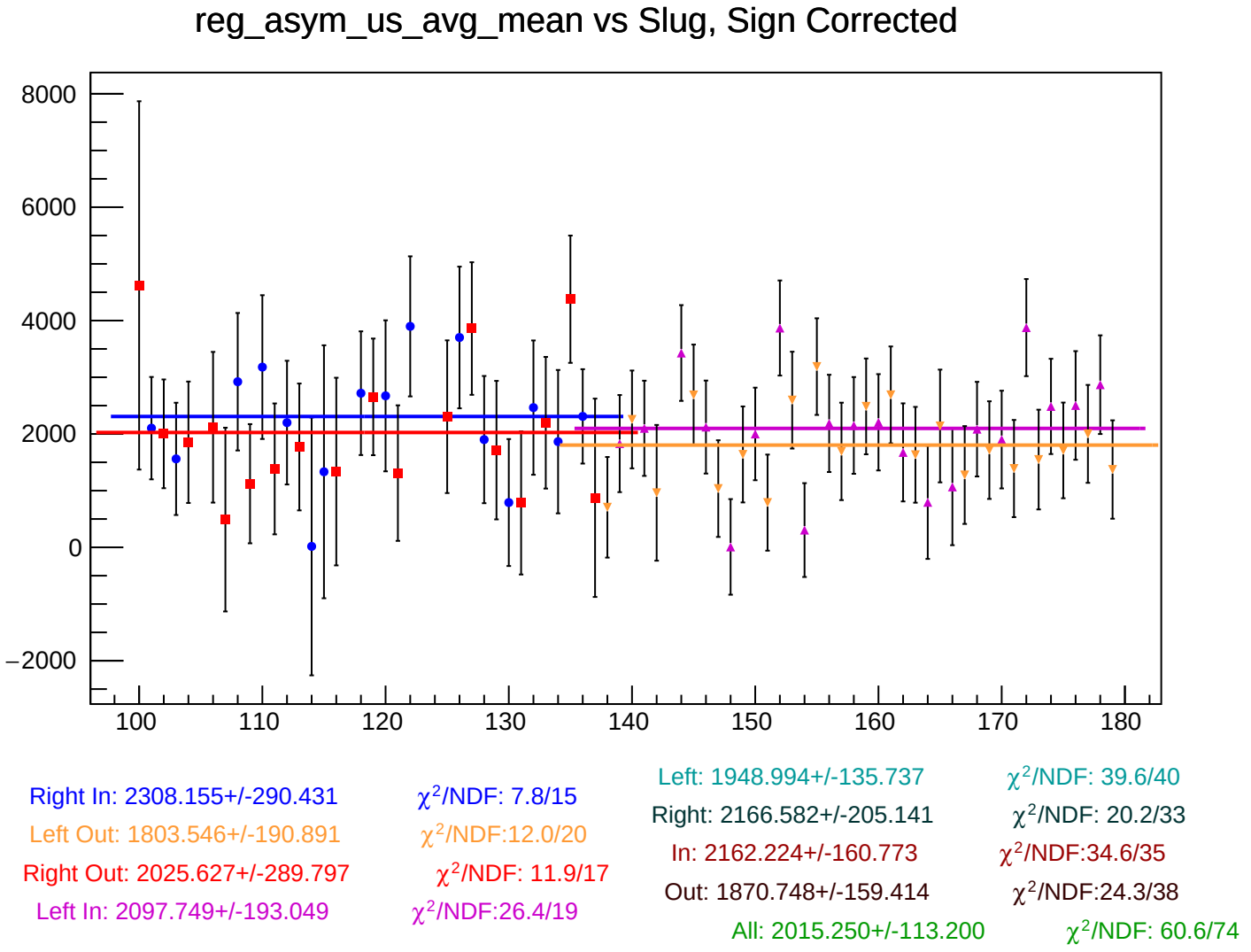
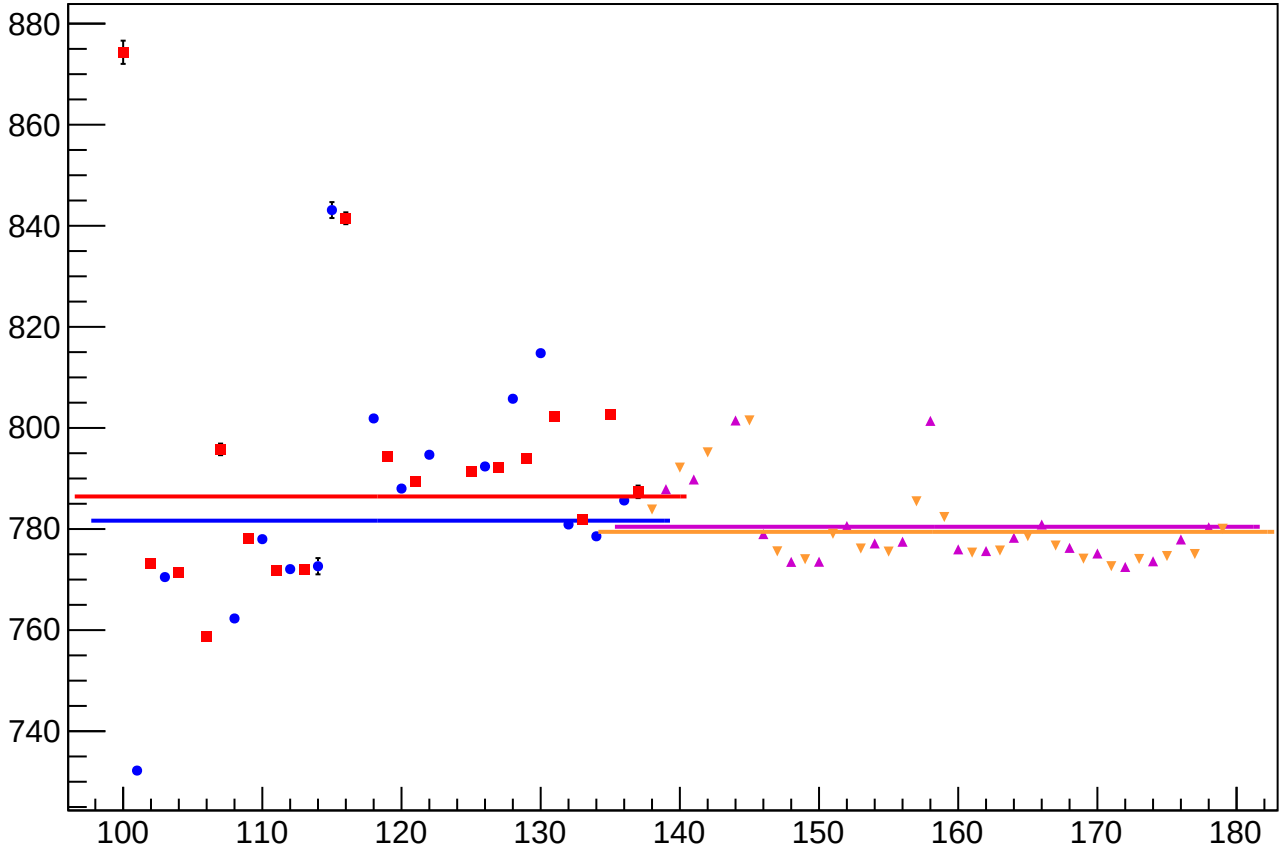

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1803.546+/-190.891
χ²/NDF:12.0/20
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2097.749+/-193.049
χ²/NDF:26.4/19
Left: 1948.994+/-135.737
χ²/NDF: 39.6/40
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2162.224+/-160.773
χ²/NDF:34.6/35
Out: 1870.748+/-159.414
χ²/NDF:24.3/38
All: 2015.250+/-113.200
χ²/NDF: 60.6/74

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

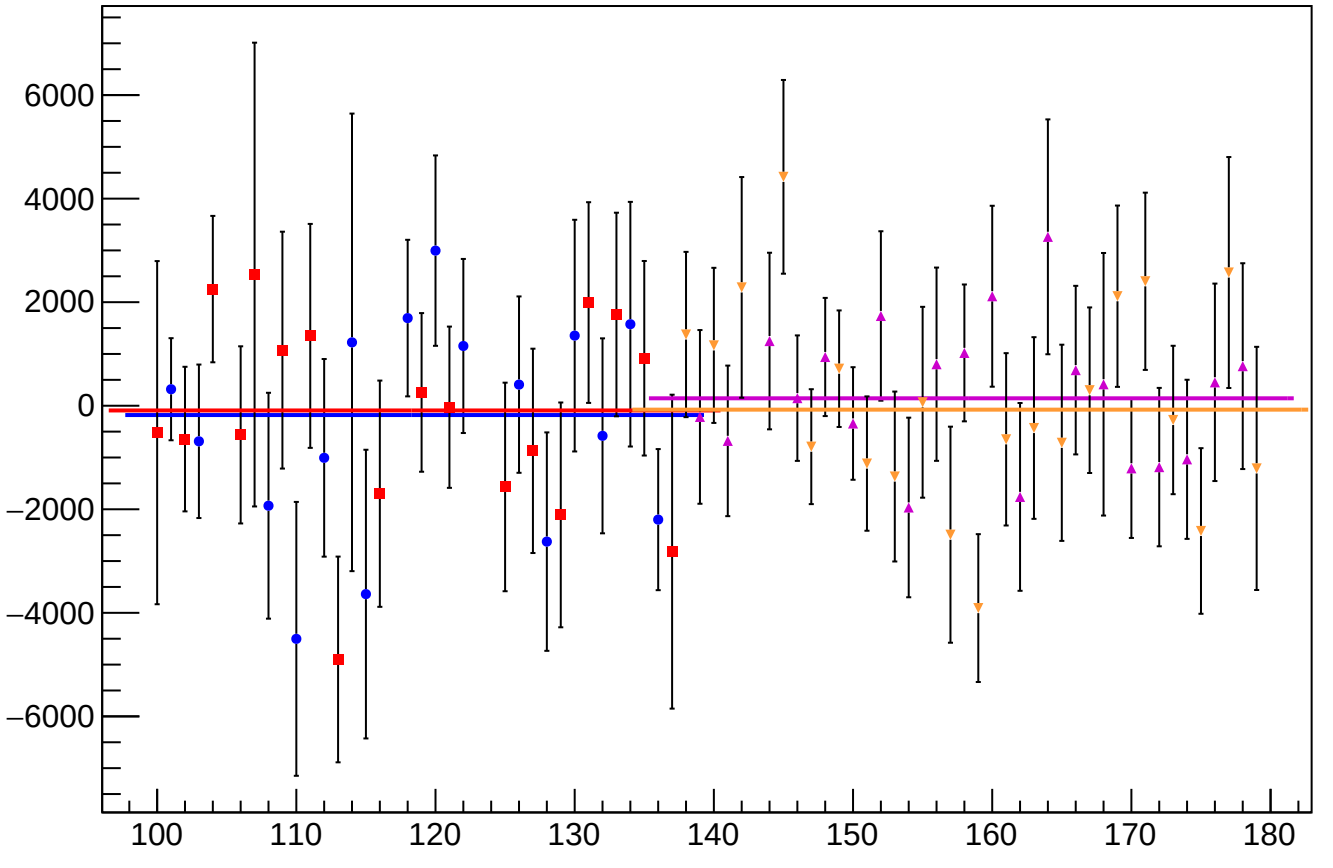
Left: 779.941+/-0.096 χ^2/NDF: 6659.1/40

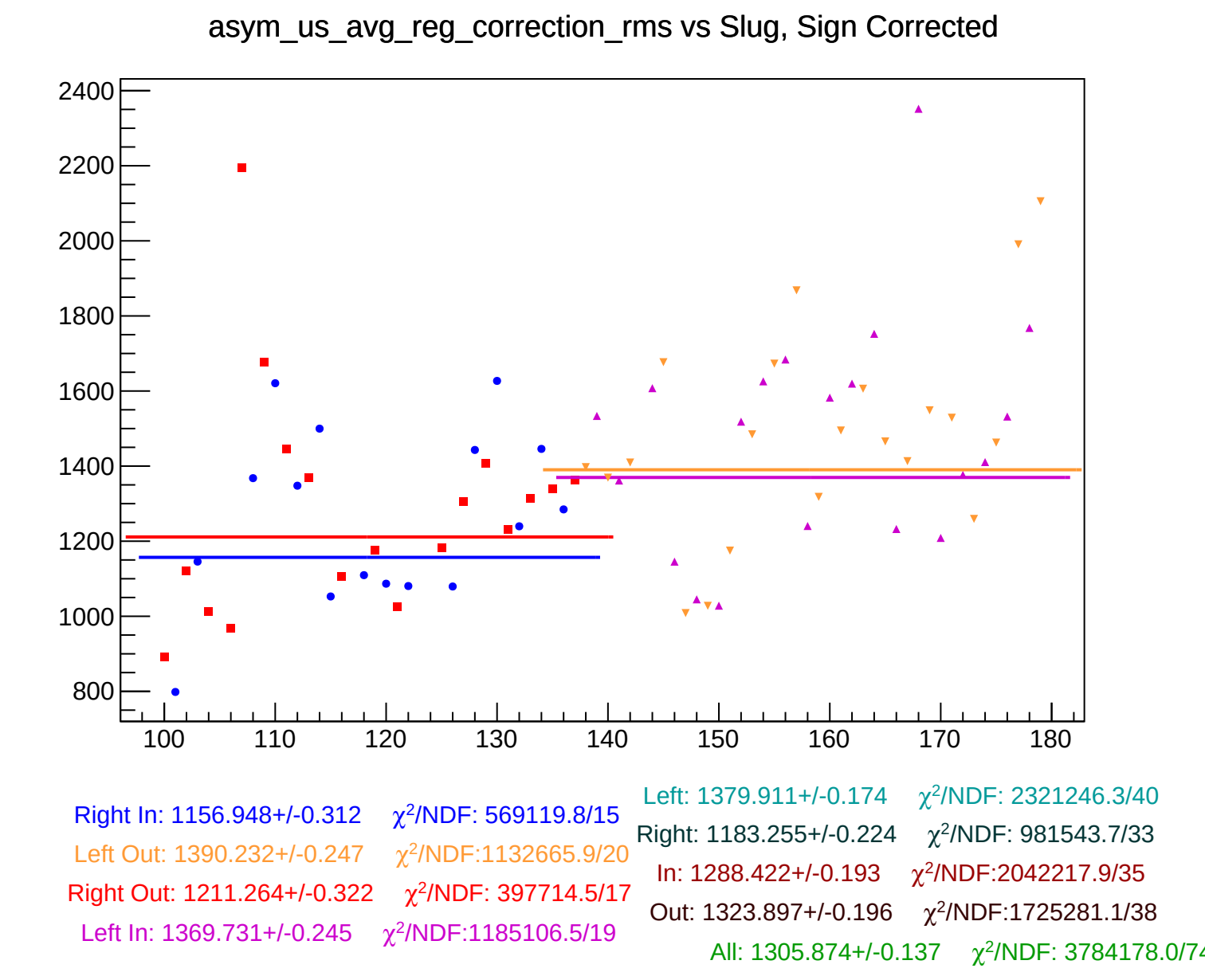
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

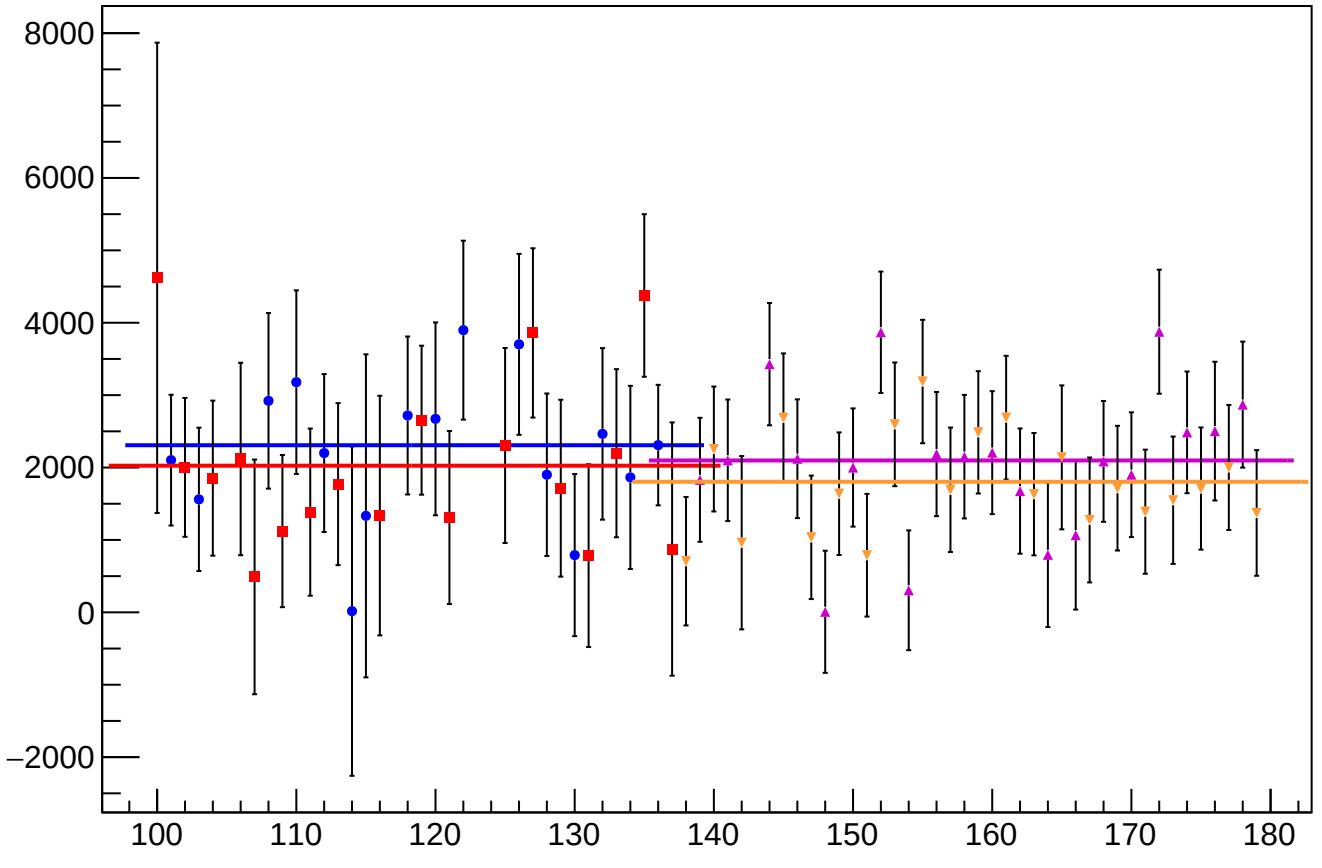
In: 780.817+/-0.114 χ^2/NDF:16099.5/35

Out: 781.563+/-0.113 χ^2/NDF:10890.3/38

All: 781.193+/-0.080 χ^2/NDF: 27011.4/74


asym_us_avg_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -75.618+/-349.034 χ²/NDF:27.0/20
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 143.420+/-346.628 χ²/NDF:11.3/19
Left: 34.659+/-245.949 χ²/NDF: 38.6/40
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 19.861+/-272.467 χ²/NDF:27.1/35
Out: -81.426+/-276.894 χ²/NDF:42.2/38
All: -29.966+/-194.210 χ²/NDF: 69.4/74


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1390.232+/-0.247 χ²/NDF:1132665.9/20
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1369.731+/-0.245 χ²/NDF:1185106.5/19
Left: 1379.911+/-0.174 χ²/NDF: 2321246.3/40
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1288.422+/-0.193 χ²/NDF:2042217.9/35
Out: 1323.897+/-0.196 χ²/NDF:1725281.1/38
All: 1305.874+/-0.137 χ²/NDF: 3784178.0/74



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1803.546+/-190.891 χ^2/NDF:12.0/20

Right Out: 2025.627+/-289.797 χ^2/NDF: 11.9/17

Left In: 2097.749+/-193.049 χ^2/NDF:26.4/19

Left: 1948.994+/-135.737 χ^2/NDF: 39.6/40

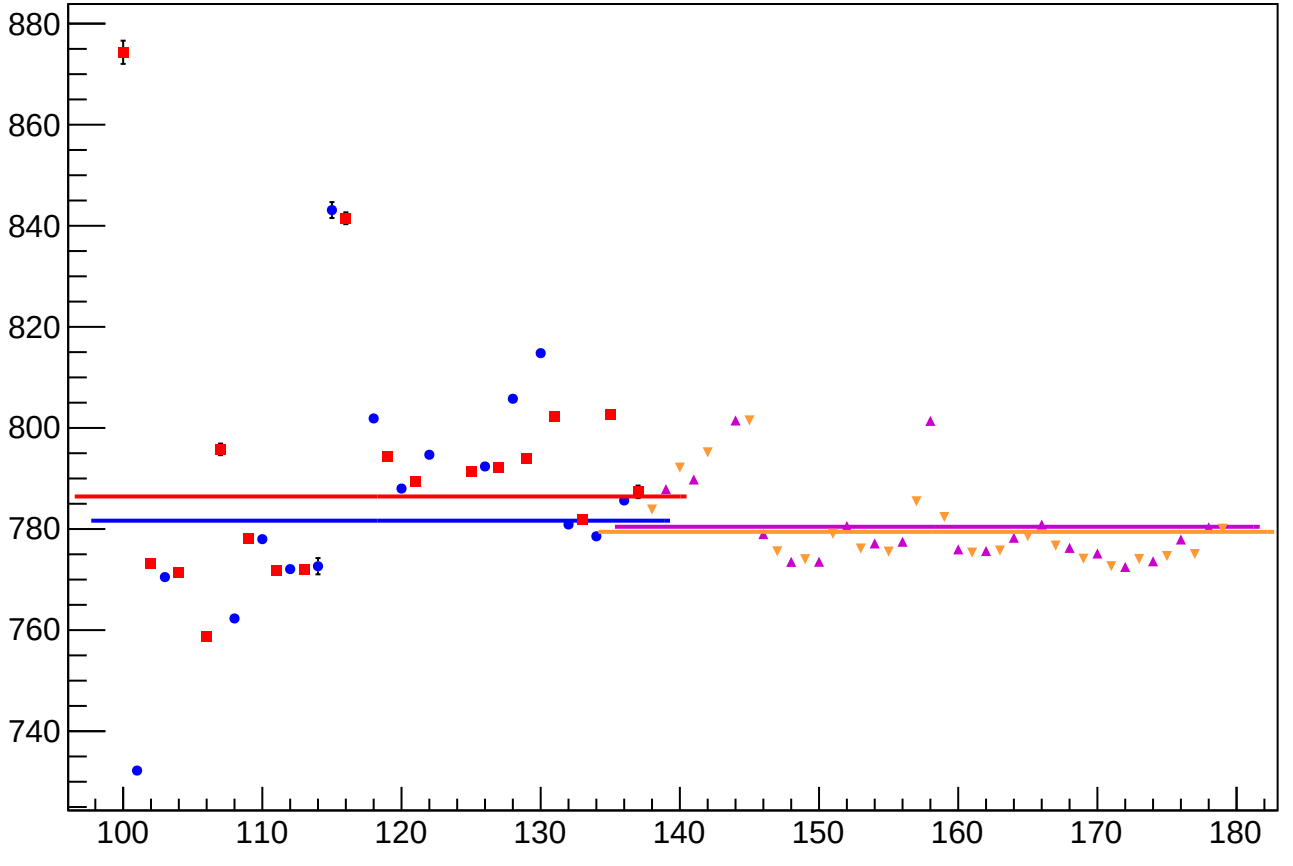
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2162.224+/-160.773 χ^2/NDF:34.6/35

Out: 1870.748+/-159.414 χ^2/NDF:24.3/38

All: 2015.250+/-113.200 χ^2/NDF: 60.6/74

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

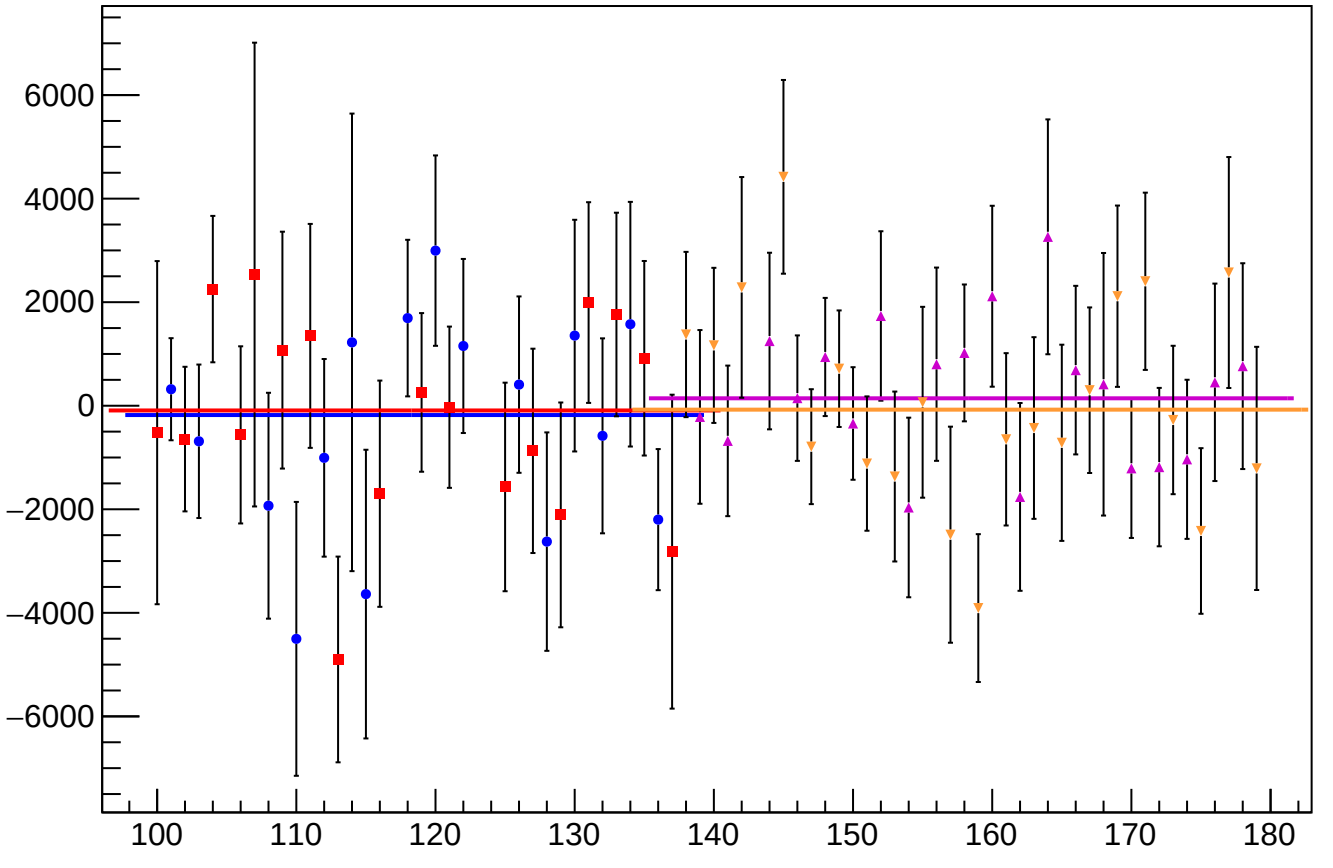
Left: 779.941+/-0.096 χ^2/NDF: 6659.1/40

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.817+/-0.114 χ^2/NDF:16099.5/35

Out: 781.563+/-0.113 χ^2/NDF:10890.3/38

All: 781.193+/-0.080 χ^2/NDF: 27011.4/74



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 143.420+/-346.628 χ^2/NDF:11.3/19

Left: 34.659+/-245.949 χ^2/NDF: 38.6/40

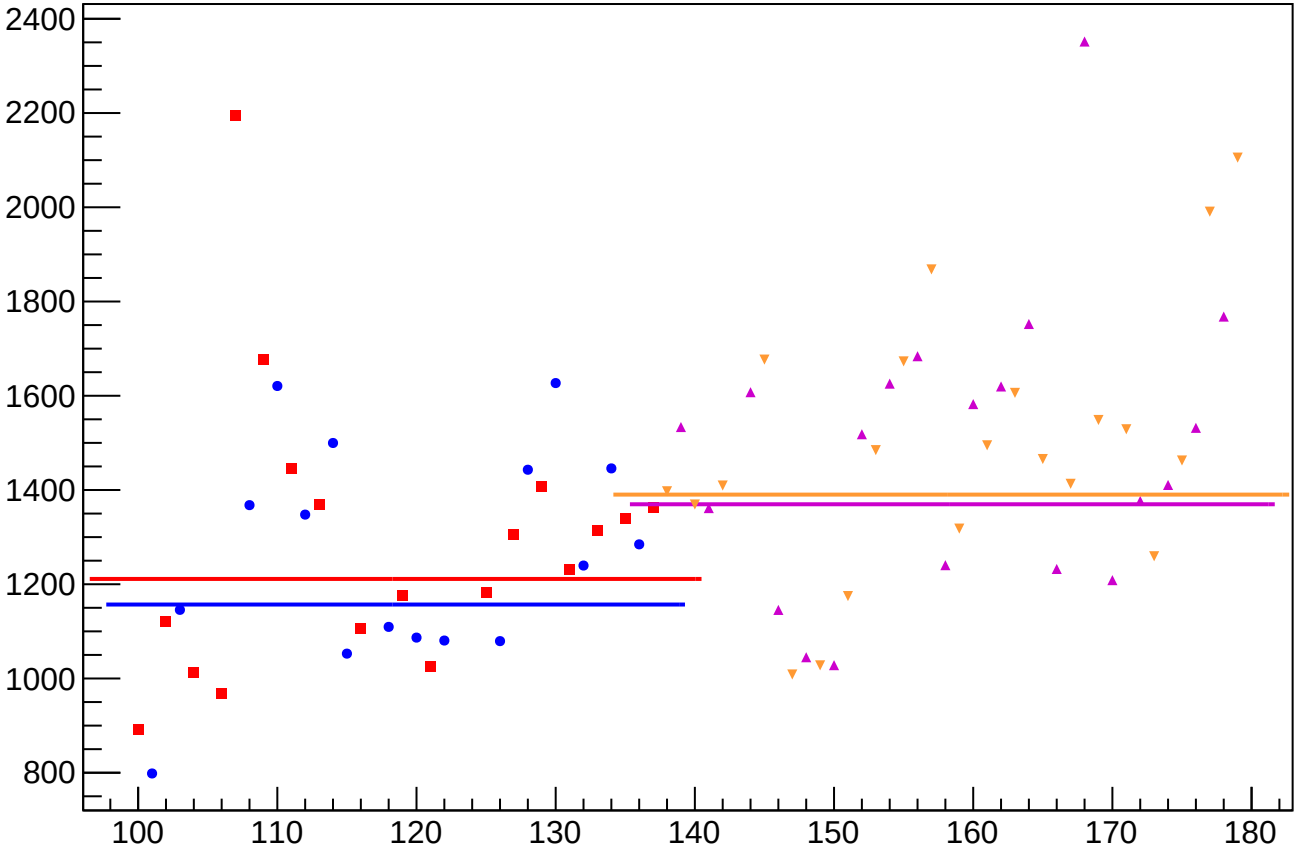
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 19.861+/-272.467 χ^2/NDF:27.1/35

Out: -81.426+/-276.894 χ^2/NDF:42.2/38

All: -29.966+/-194.210 χ^2/NDF: 69.4/74

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

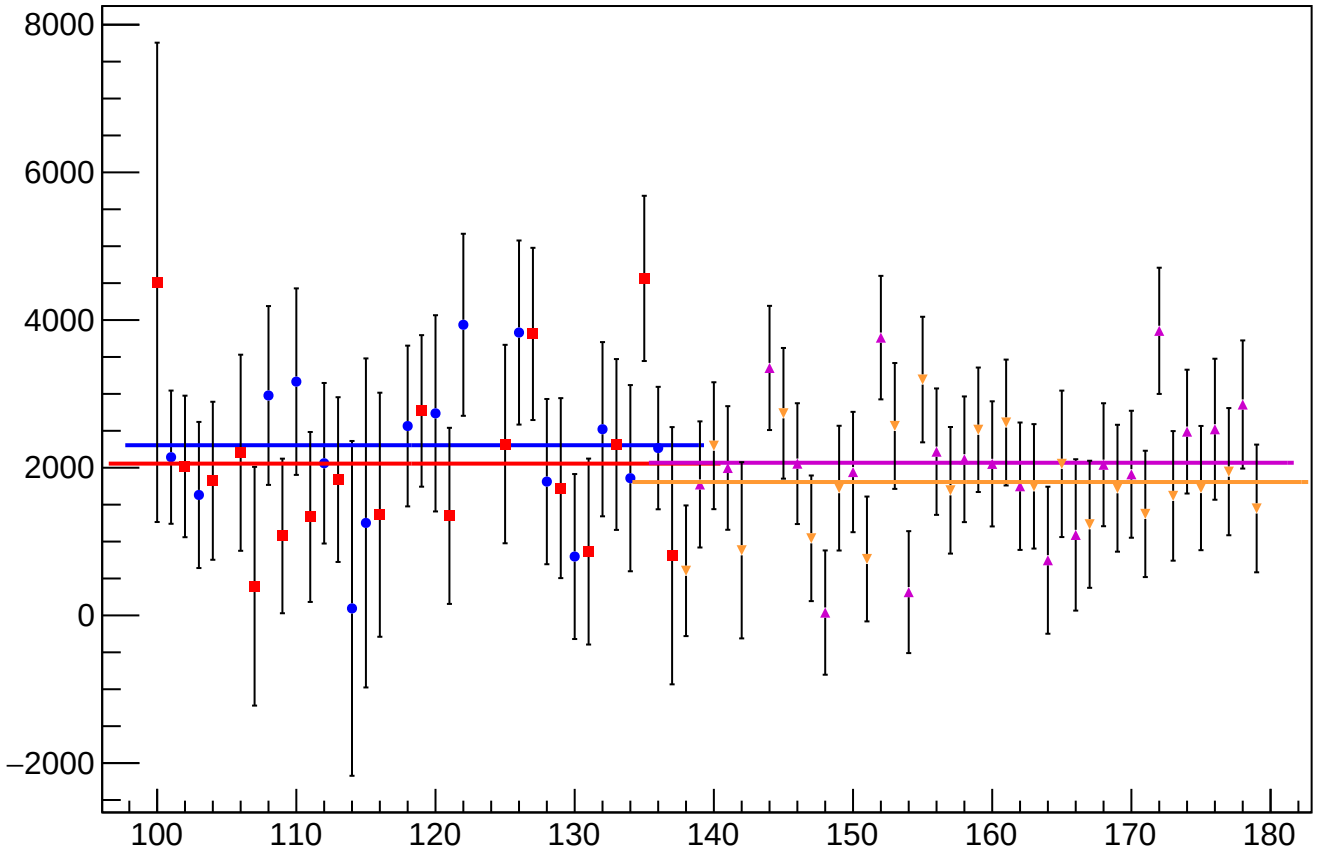
Left: 1379.911+/-0.174 χ^2/NDF: 2321246.3/40

Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1288.422+/-0.193 χ^2/NDF:2042217.9/35

Out: 1323.897+/-0.196 χ^2/NDF:1725281.1/38

All: 1305.874+/-0.137 χ^2/NDF: 3784178.0/74



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

Left Out: 1806.490+/-190.382 χ^2/NDF:12.3/20

Right Out: 2055.666+/-289.090 χ^2/NDF: 12.9/17

Left In: 2067.264+/-192.543 χ^2/NDF:25.4/19

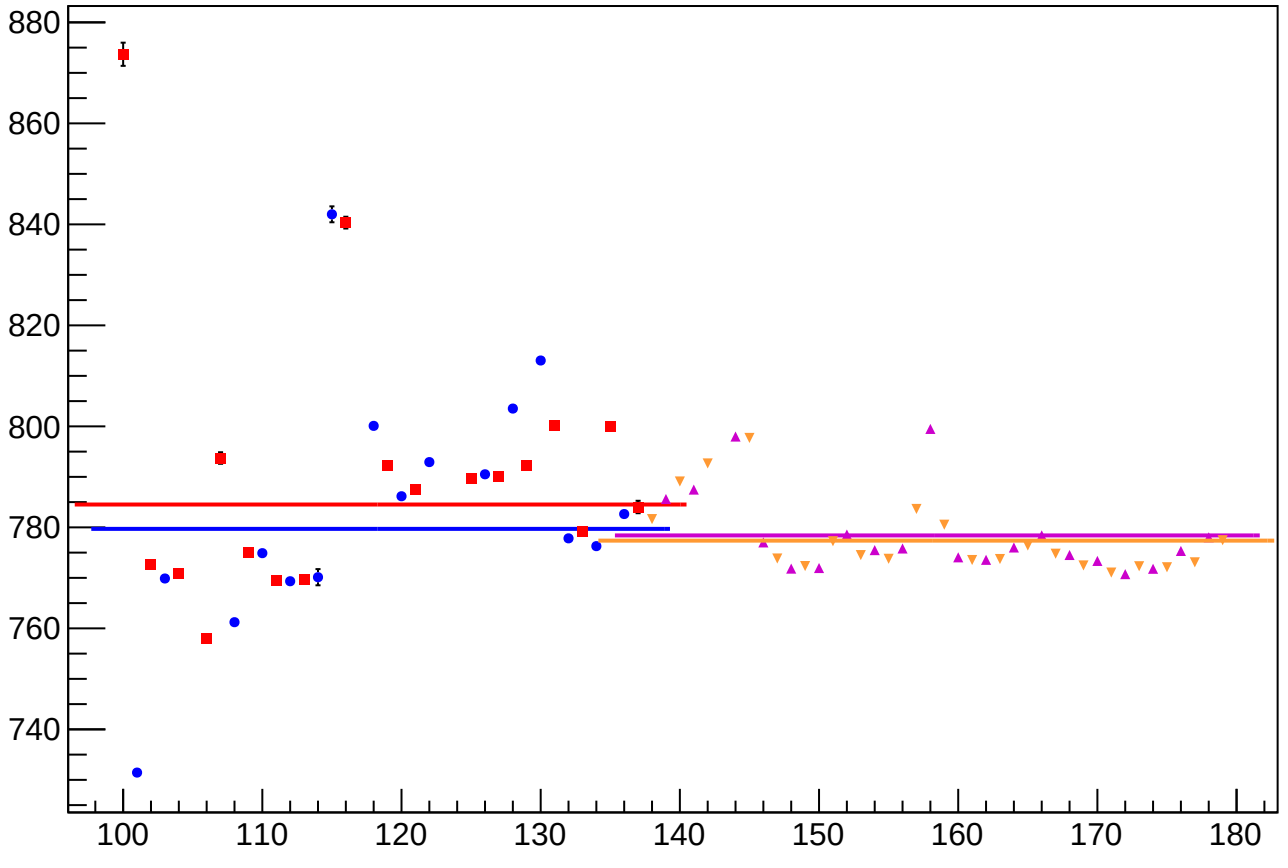
Left: 1935.405+/-135.378 χ^2/NDF: 38.7/40

Right: 2179.995+/-204.634 χ^2/NDF: 21.3/33

In: 2140.057+/-160.357 χ^2/NDF:34.0/35

Out: 1881.866+/-159.000 χ^2/NDF:25.7/38

All: 2009.865+/-112.907 χ^2/NDF: 61.0/74



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

Left Out: 777.374+/-0.135 χ^2/NDF:2569.5/20

Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 778.404+/-0.136 χ^2/NDF:3531.7/19

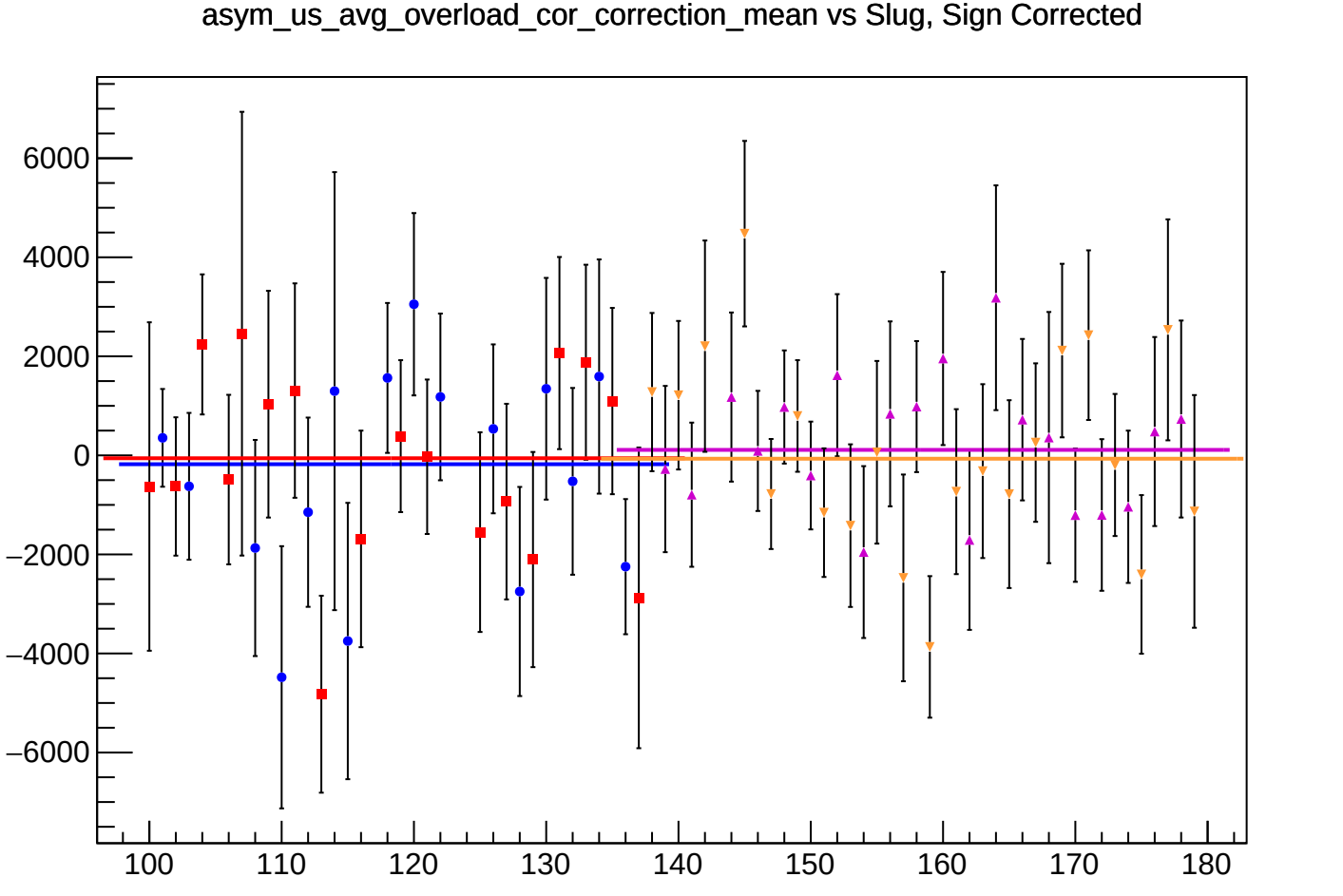
Left: 777.883+/-0.096 χ^2/NDF: 6130.1/40

Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

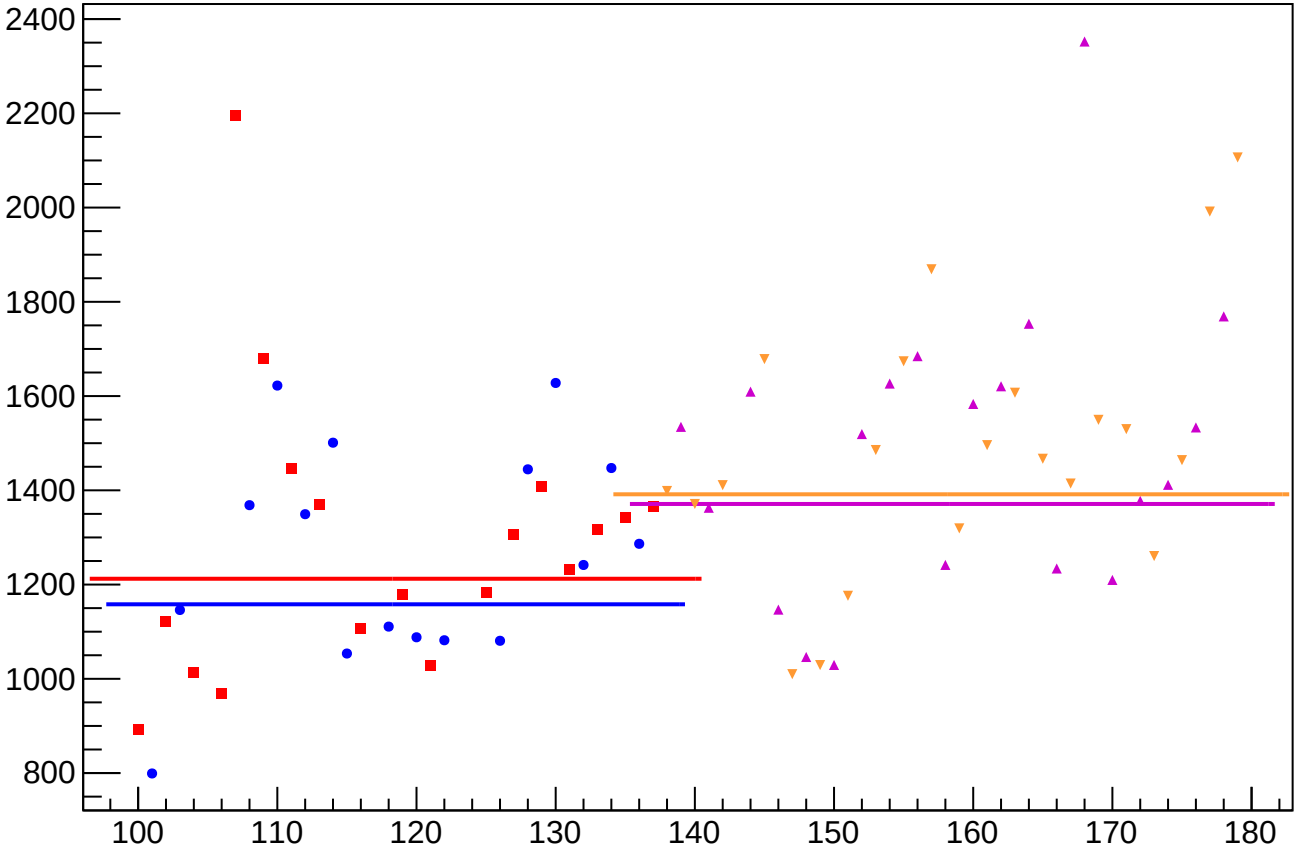
In: 778.802+/-0.113 χ^2/NDF:15619.8/35

Out: 779.537+/-0.112 χ^2/NDF:10582.9/38

All: 779.173+/-0.080 χ^2/NDF: 26223.9/74


asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -67.610+/-349.348 χ²/NDF:27.0/20
Right Out: -58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 110.799+/-346.938 χ²/NDF:11.0/19
Left: 22.212+/-246.170 χ²/NDF: 38.1/40
Right: -120.128+/-316.821 χ²/NDF: 31.0/33
In: 0.284+/-272.724 χ²/NDF:26.9/35
Out: -64.063+/-277.142 χ²/NDF:42.2/38
All: -31.372+/-194.388 χ²/NDF: 69.2/74

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1158.134+/-0.312 χ^2/NDF: 569144.8/15

Left Out: 1391.570+/-0.247 χ^2/NDF:1129811.8/20

Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1371.028+/-0.245 χ^2/NDF:1182449.6/19

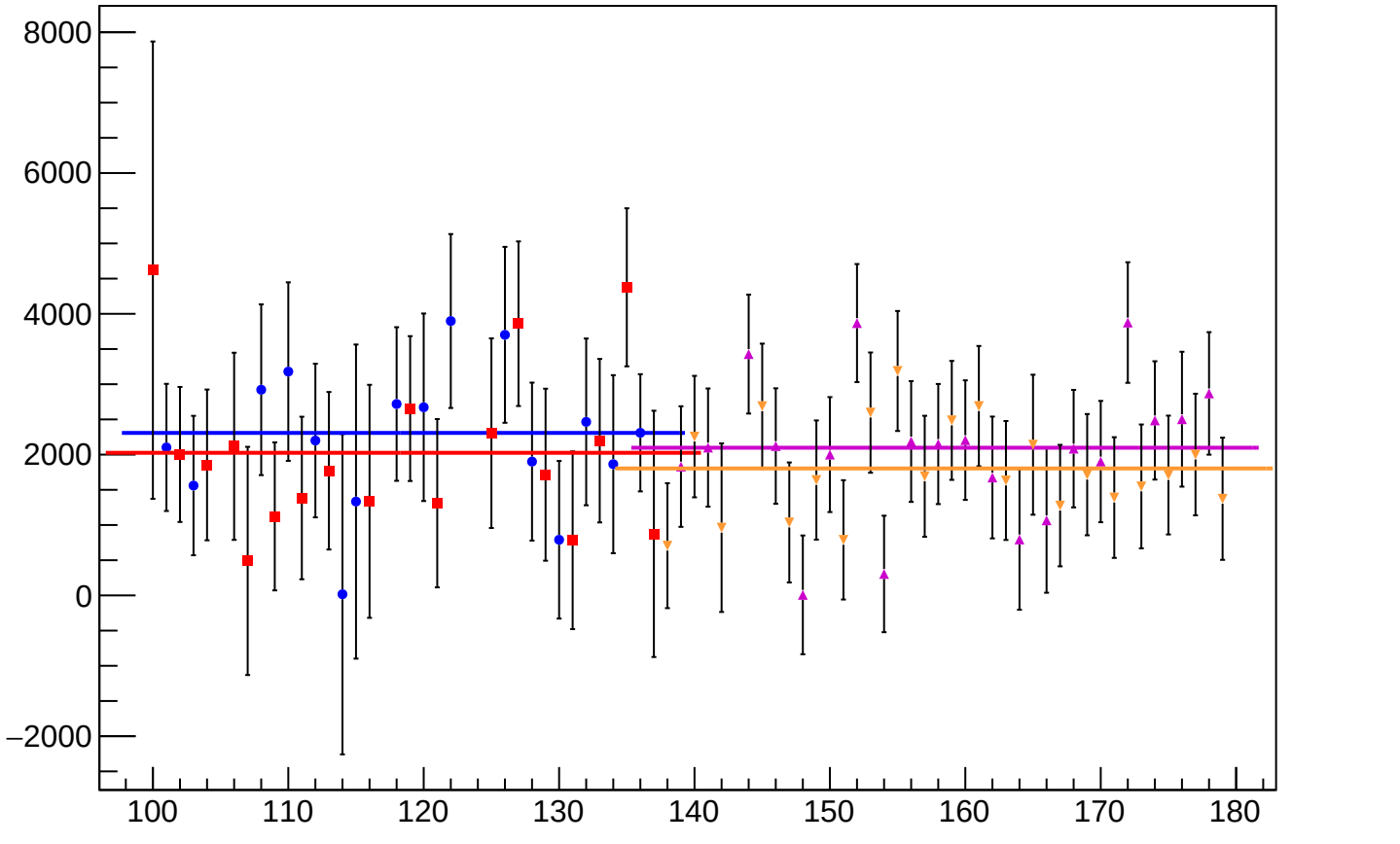
Left: 1381.228+/-0.174 χ^2/NDF: 2315742.6/40

Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1289.688+/-0.193 χ^2/NDF:2039331.7/35

Out: 1325.140+/-0.196 χ^2/NDF:1722856.0/38

All: 1307.129+/-0.137 χ^2/NDF: 3778813.6/74



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1803.546+/-190.891 χ^2/NDF:12.0/20

Right Out: 2025.627+/-289.797 χ^2/NDF: 11.9/17

Left In: 2097.749+/-193.049 χ^2/NDF:26.4/19

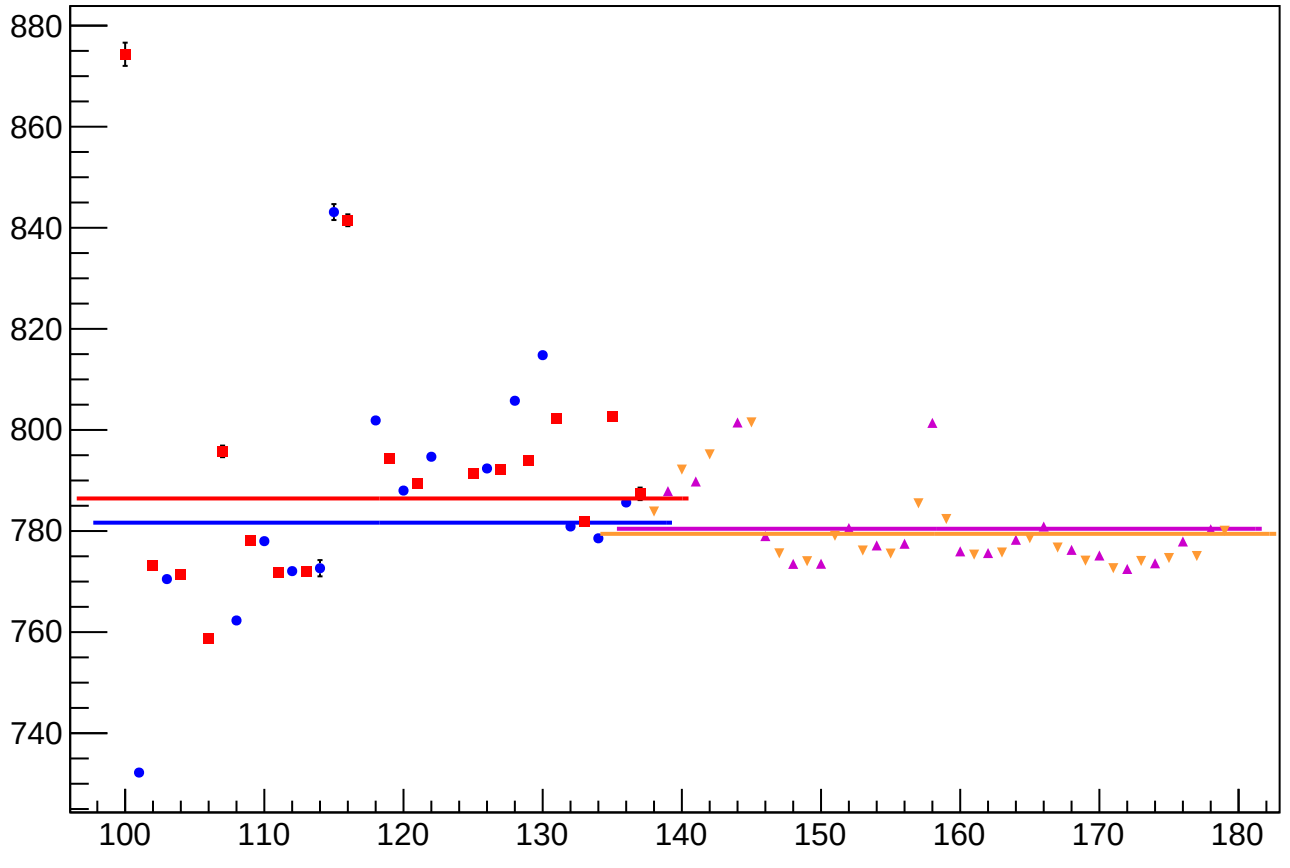
Left: 1948.994+/-135.737 χ^2/NDF: 39.6/40

Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2162.224+/-160.773 χ^2/NDF:34.6/35

Out: 1870.748+/-159.414 χ^2/NDF:24.3/38

All: 2015.250+/-113.200 χ^2/NDF: 60.6/74



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 779.445+/-0.135 χ^2/NDF:2875.2/20

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 780.448+/-0.137 χ^2/NDF:3756.5/19

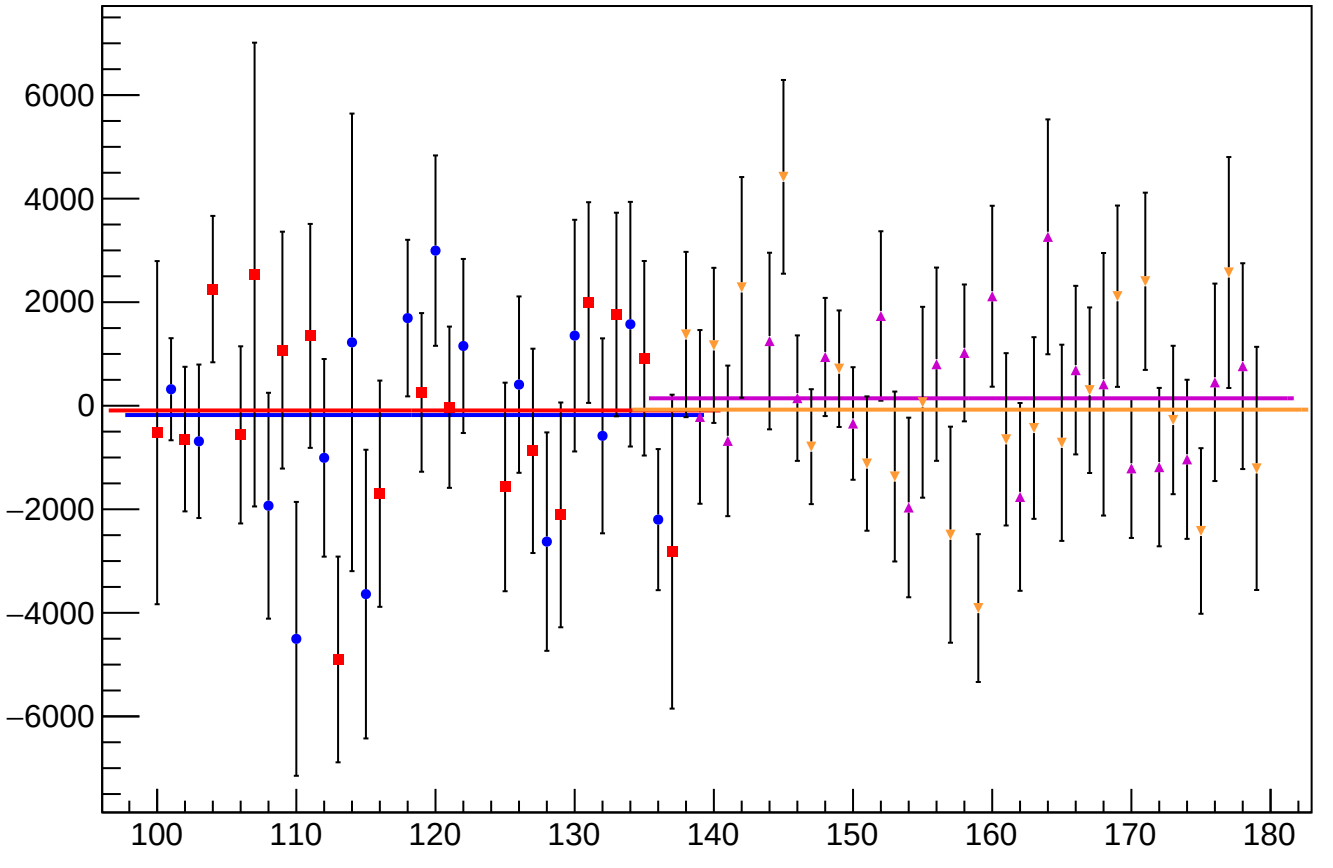
Left: 779.941+/-0.096 χ^2/NDF: 6659.1/40

Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.817+/-0.114 χ^2/NDF:16099.5/35

Out: 781.563+/-0.113 χ^2/NDF:10890.3/38

All: 781.193+/-0.080 χ^2/NDF: 27011.4/74



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: -75.618+/-349.034 χ^2/NDF:27.0/20

Right Out: -91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: 143.420+/-346.628 χ^2/NDF:11.3/19

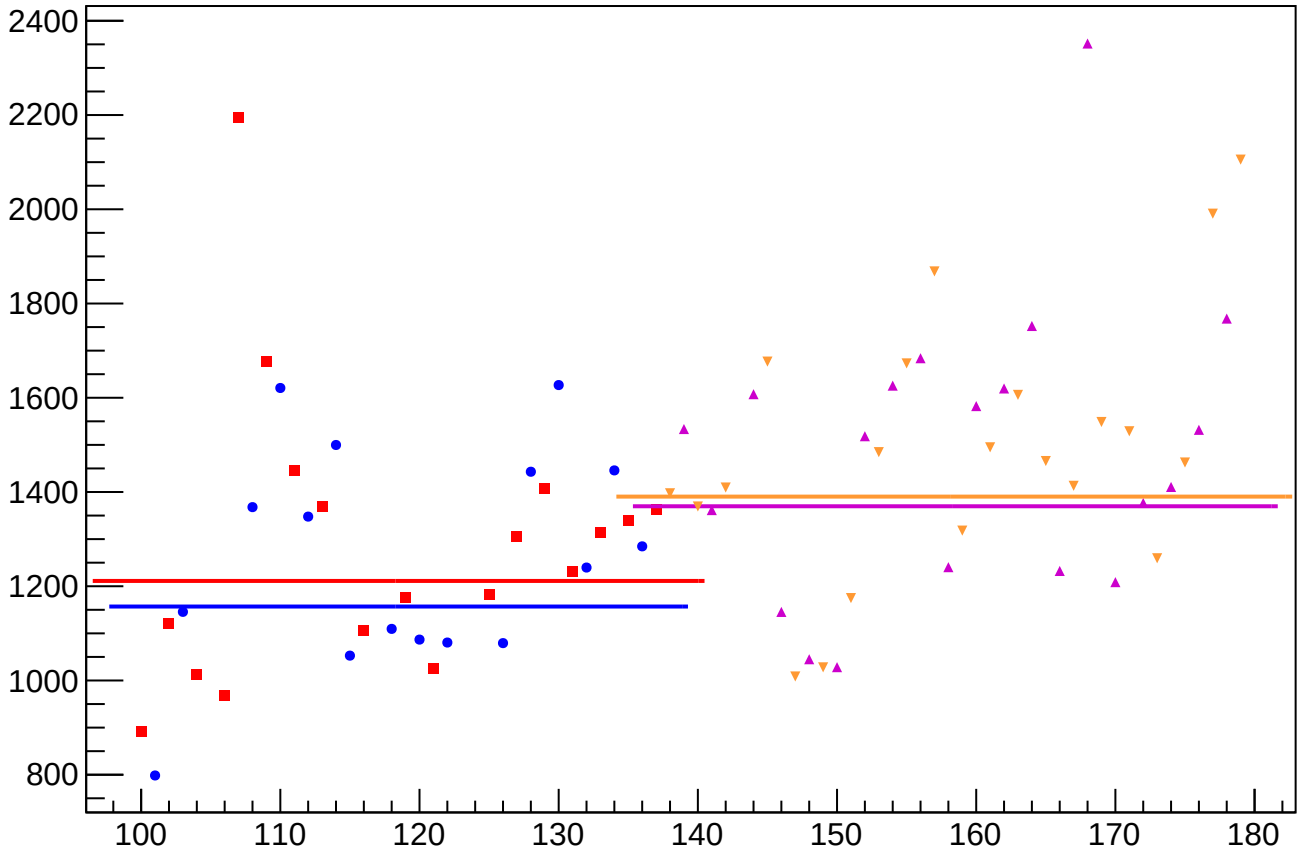
Left: 34.659+/-245.949 χ^2/NDF: 38.6/40

Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 19.861+/-272.467 χ^2/NDF:27.1/35

Out: -81.426+/-276.894 χ^2/NDF:42.2/38

All: -29.966+/-194.210 χ^2/NDF: 69.4/74



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1390.232+/-0.247 χ^2/NDF:1132665.9/20

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

Left: 1379.911+/-0.174 χ^2/NDF: 2321246.3/40

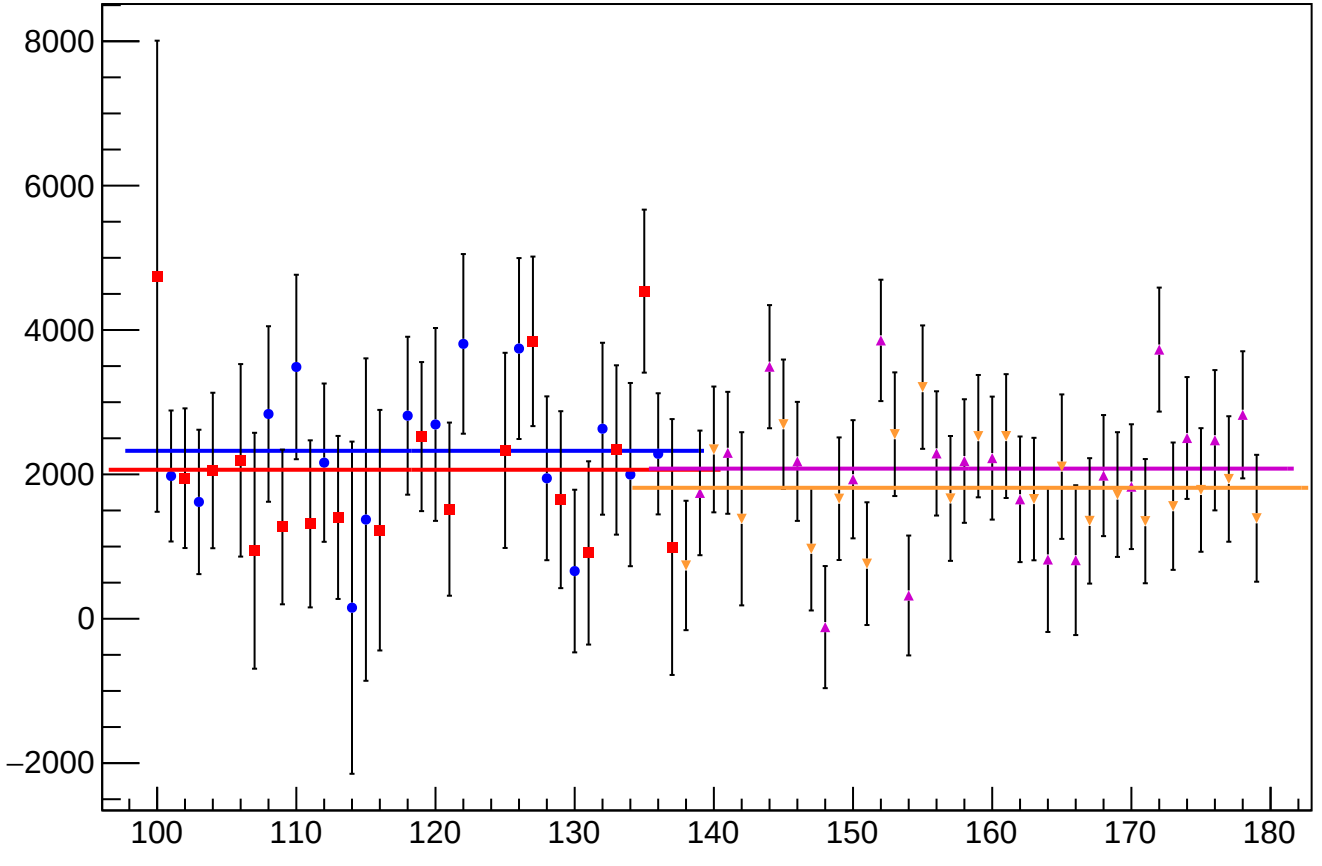
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1288.422+/-0.193 χ^2/NDF:2042217.9/35

Out: 1323.897+/-0.196 χ^2/NDF:1725281.1/38

All: 1305.874+/-0.137 χ^2/NDF: 3784178.0/74

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1813.979+/-191.988 χ^2/NDF:11.3/20

Right Out: 2063.976+/-291.790 χ^2/NDF: 11.6/17

Left In: 2079.622+/-194.085 χ^2/NDF:27.0/19

Left: 1945.357+/-136.491 χ^2/NDF: 39.3/40

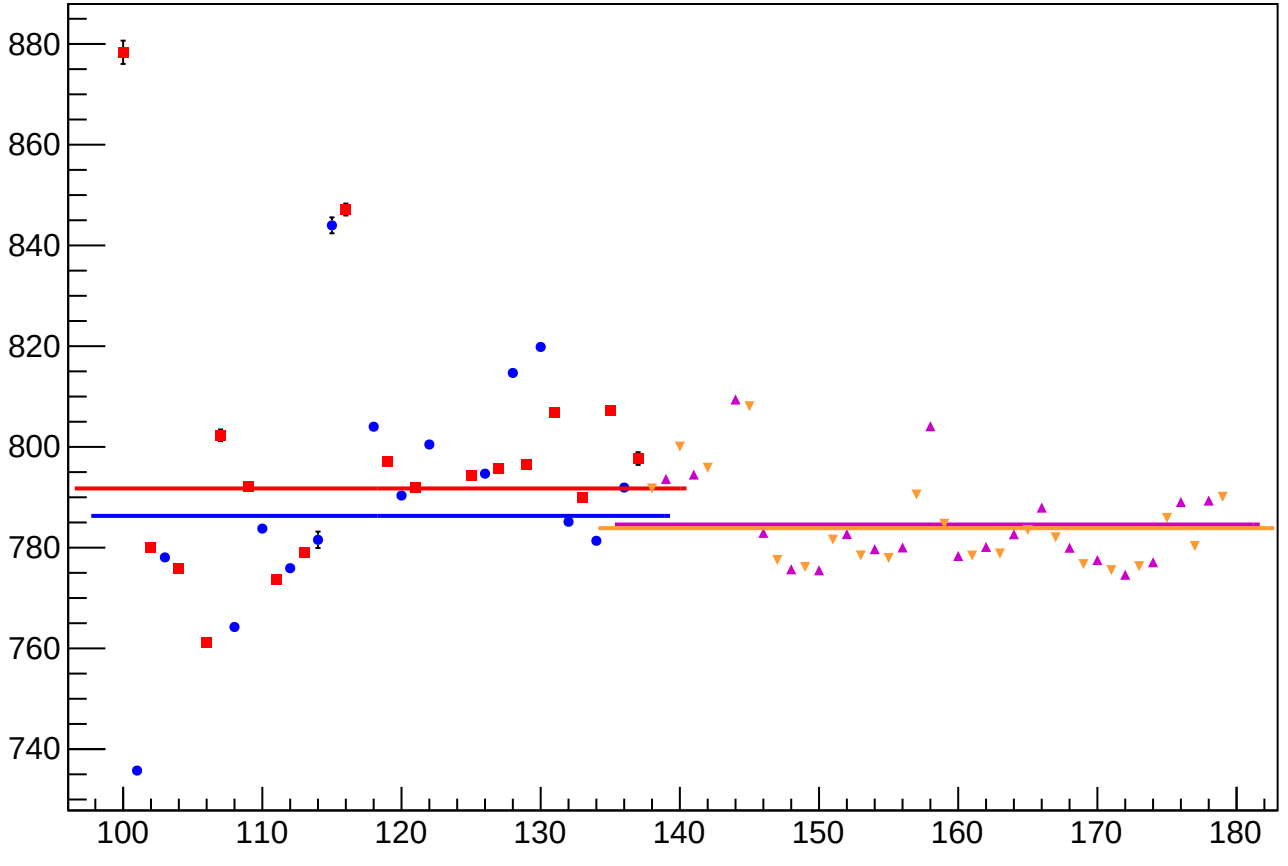
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2155.186+/-161.667 χ^2/NDF:35.7/35

Out: 1889.509+/-160.385 χ^2/NDF:23.5/38

All: 2021.290+/-113.860 χ^2/NDF: 60.5/74

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

Left Out: 783.871+/-0.136 χ^2/NDF:3864.5/20

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.599+/-0.137 χ^2/NDF:4748.1/19

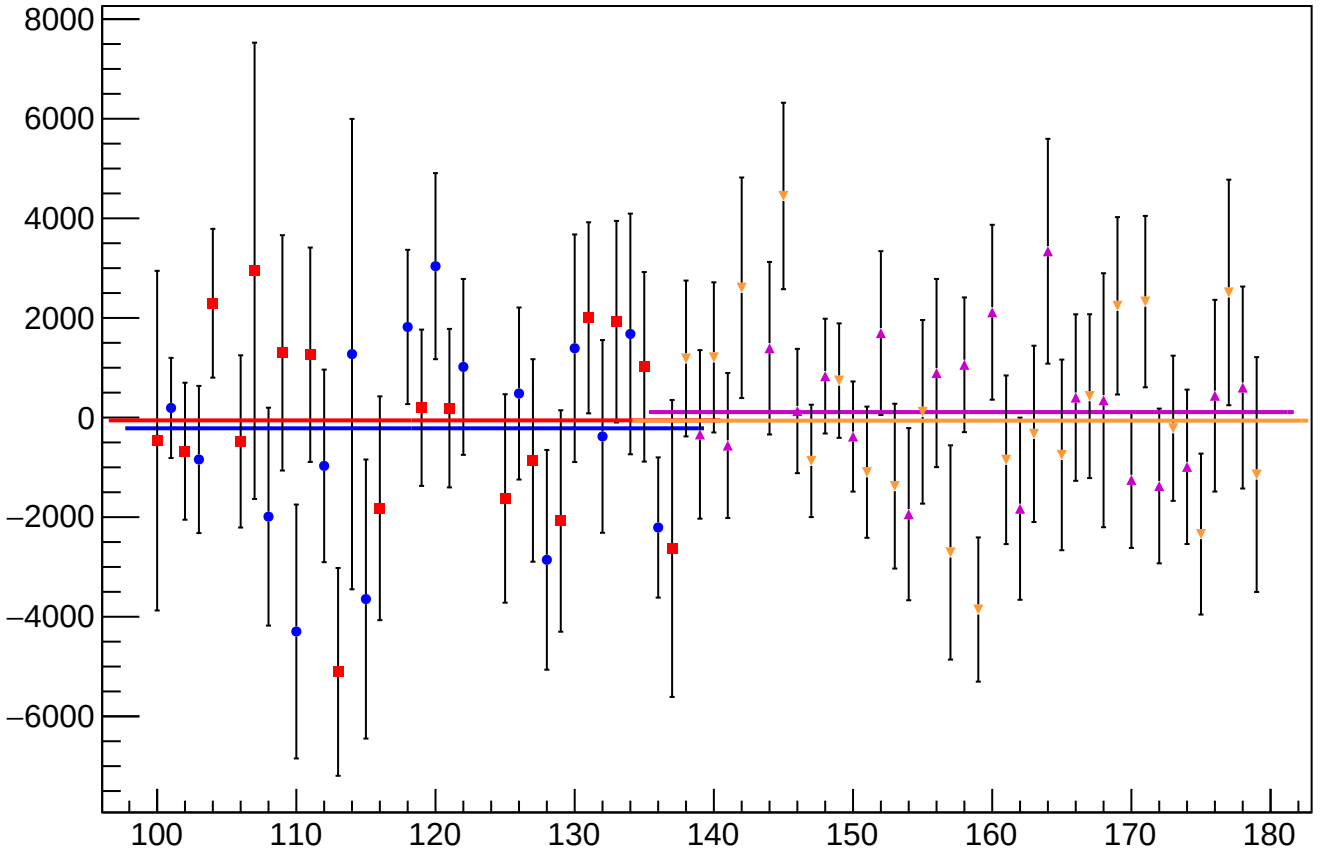
Left: 784.231+/-0.097 χ^2/NDF: 8626.9/40

Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 785.123+/-0.114 χ^2/NDF:17366.8/35

Out: 786.253+/-0.113 χ^2/NDF:11899.0/38

All: 785.692+/-0.081 χ^2/NDF: 29315.1/74



Right In: -216.184+/-449.537 χ^2/NDF: 15.3/15

Left Out: -62.257+/-353.531 χ^2/NDF:26.8/20

Right Out: -56.784+/-463.978 χ^2/NDF: 15.1/17

Left In: 109.799+/-351.220 χ^2/NDF:11.4/19

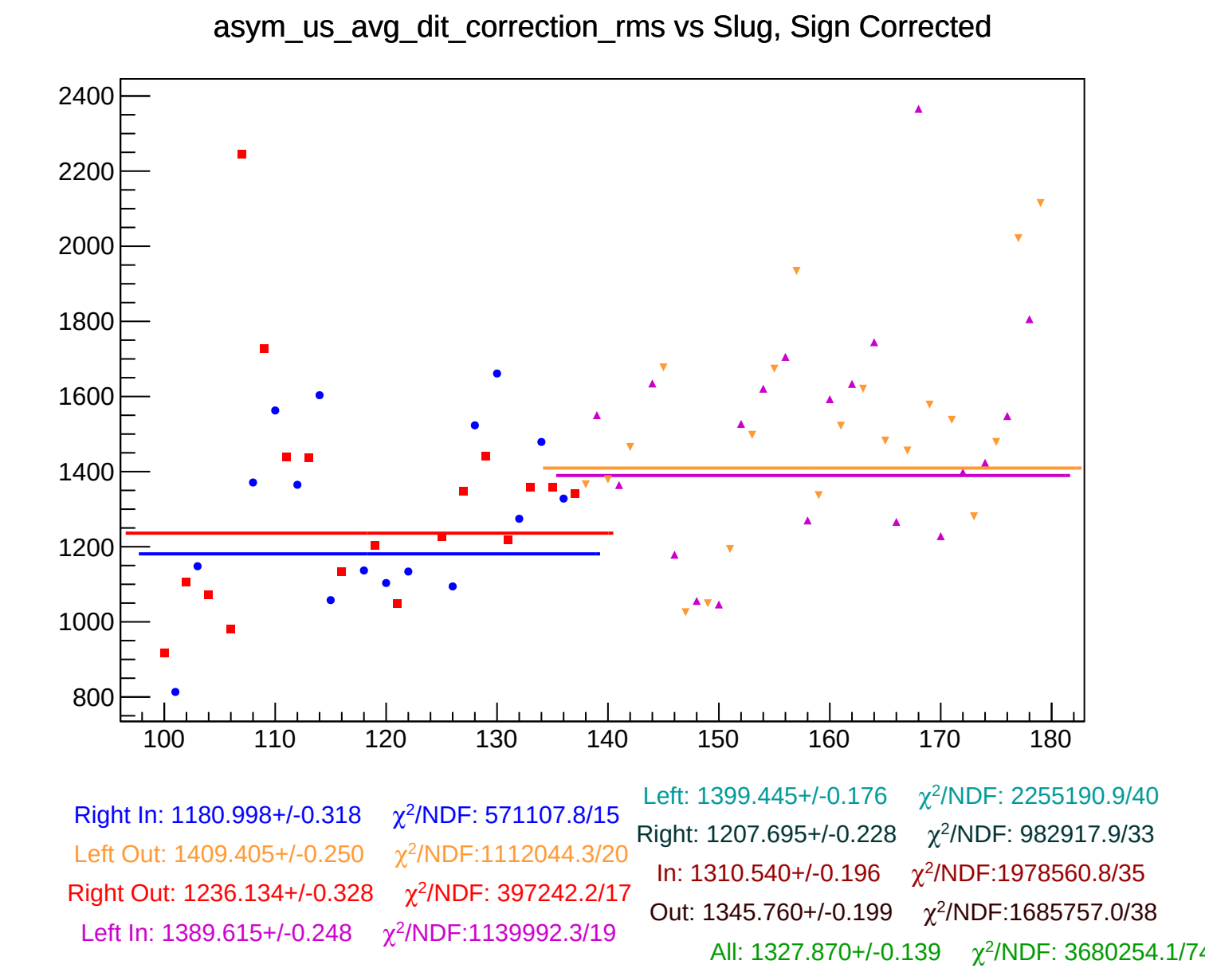
Left: 24.335+/-249.163 χ^2/NDF: 38.4/40

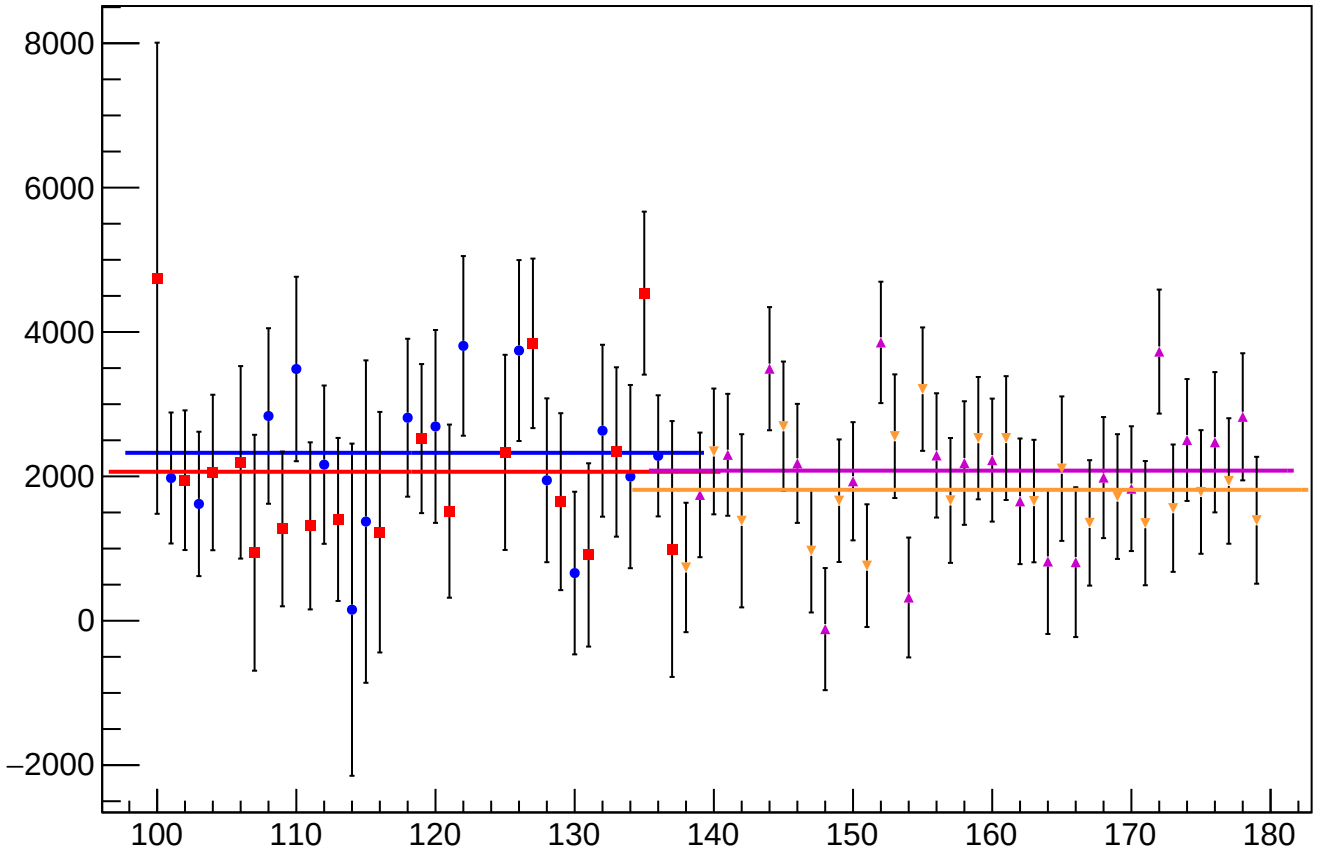
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -13.763+/-276.764 χ^2/NDF:27.0/35

Out: -60.247+/-281.203 χ^2/NDF:41.9/38

All: -36.635+/-197.252 χ^2/NDF: 69.0/74


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1409.405+/-0.250 χ²/NDF:1112044.3/20
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1389.615+/-0.248 χ²/NDF:1139992.3/19
Left: 1399.445+/-0.176 χ²/NDF: 2255190.9/40
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1310.540+/-0.196 χ²/NDF:1978560.8/35
Out: 1345.760+/-0.199 χ²/NDF:1685757.0/38
All: 1327.870+/-0.139 χ²/NDF: 3680254.1/74



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1813.976+/-191.988 χ^2/NDF:11.3/20

Right Out: 2063.975+/-291.790 χ^2/NDF: 11.6/17

Left In: 2079.623+/-194.085 χ^2/NDF:27.0/19

Left: 1945.357+/-136.491 χ^2/NDF: 39.3/40

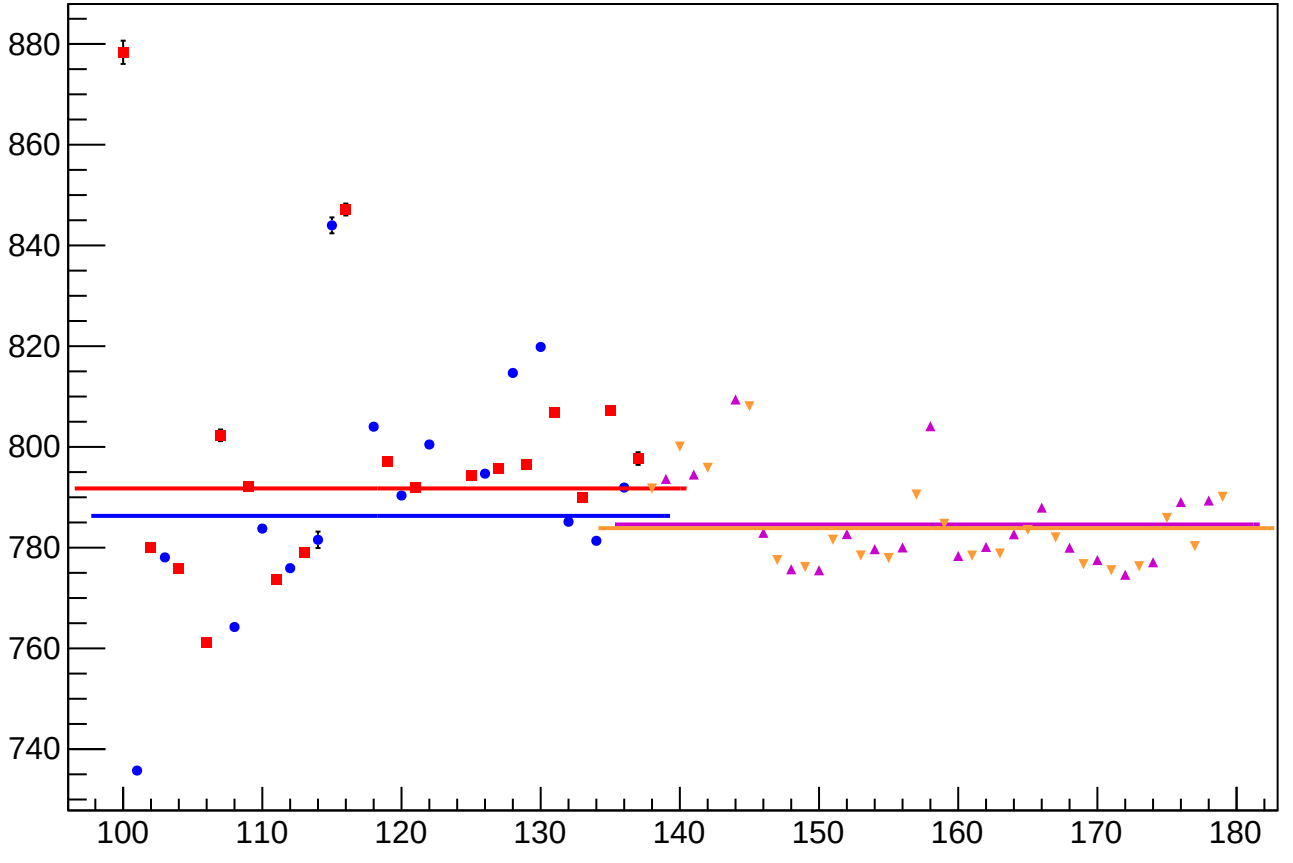
Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2155.186+/-161.667 χ^2/NDF:35.7/35

Out: 1889.507+/-160.385 χ^2/NDF:23.5/38

All: 2021.289+/-113.860 χ^2/NDF: 60.5/74

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

Left Out: 783.871+/-0.136 χ^2/NDF:3864.5/20

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 784.599+/-0.137 χ^2/NDF:4748.1/19

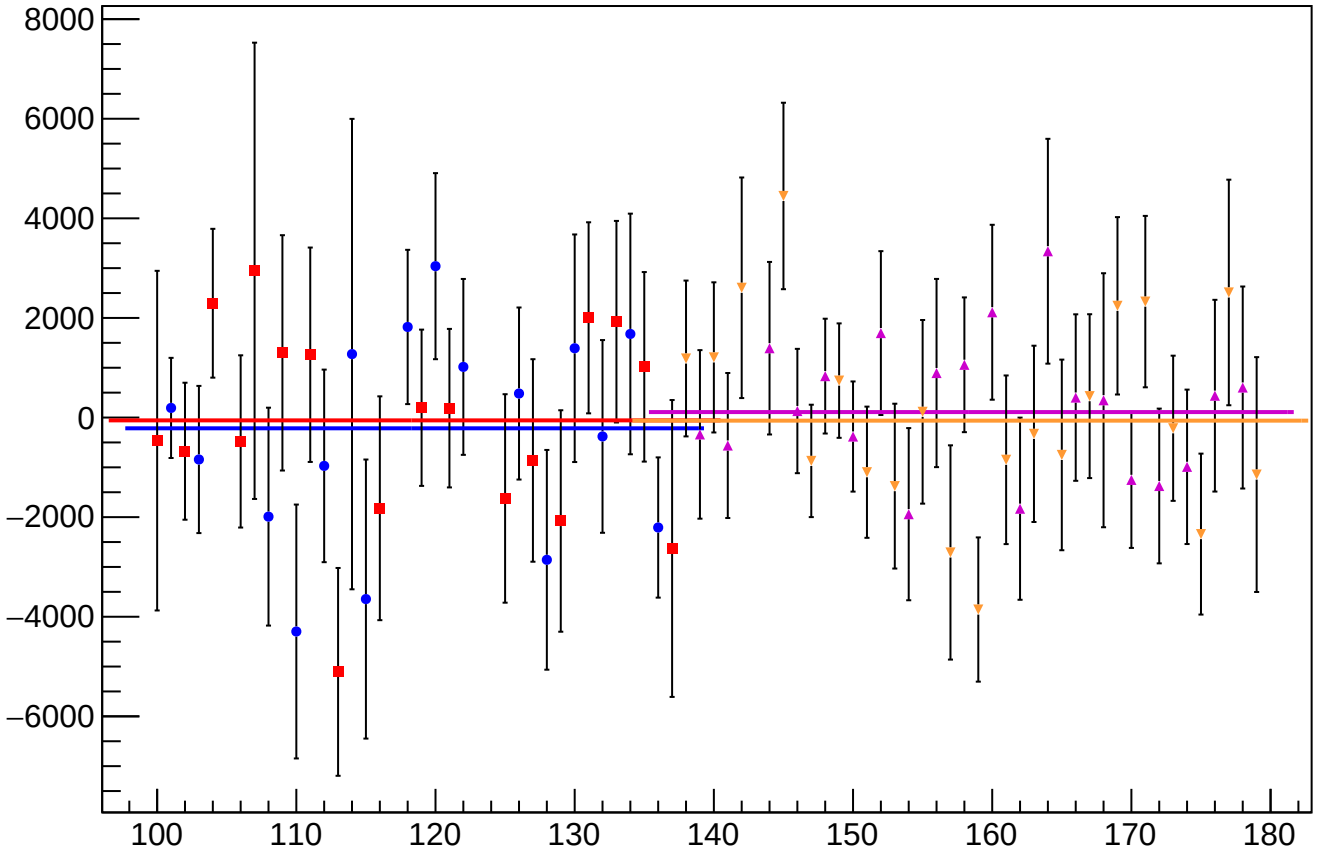
Left: 784.231+/-0.097 χ^2/NDF: 8626.9/40

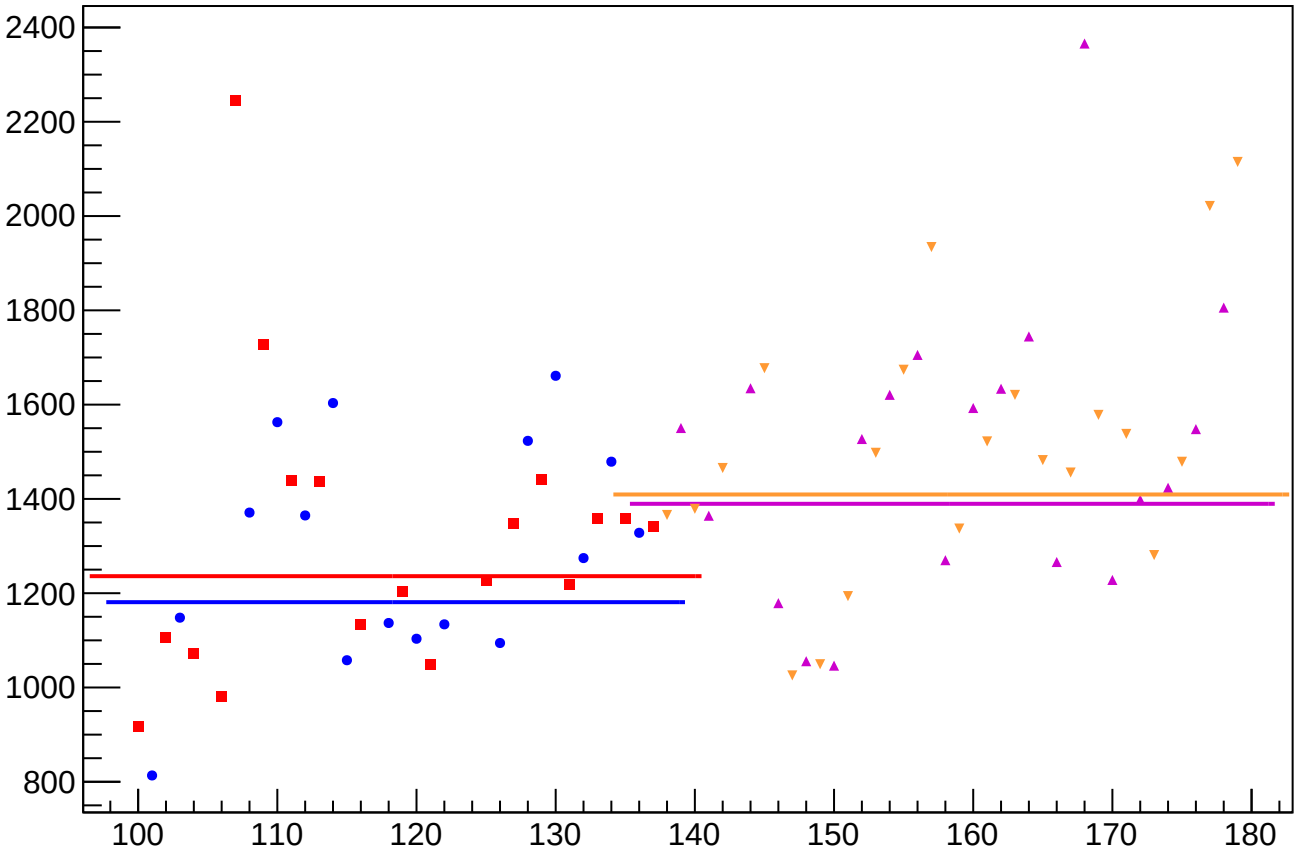
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 785.123+/-0.114 χ^2/NDF:17366.7/35

Out: 786.253+/-0.113 χ^2/NDF:11899.0/38

All: 785.692+/-0.081 χ^2/NDF: 29315.0/74


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -216.183+/-449.536 χ²/NDF: 15.3/15
Left Out: -62.260+/-353.532 χ²/NDF:26.8/20
Right Out: -56.784+/-463.977 χ²/NDF: 15.1/17
Left In: 109.800+/-351.221 χ²/NDF:11.4/19
Left: 24.334+/-249.164 χ²/NDF: 38.4/40
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -13.762+/-276.764 χ²/NDF:27.0/35
Out: -60.249+/-281.203 χ²/NDF:41.9/38
All: -36.636+/-197.252 χ²/NDF: 69.0/74



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

Left Out: 1409.408+/-0.250 χ^2/NDF:1112045.5/20

Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1389.618+/-0.248 χ^2/NDF:1139992.8/19

Left: 1399.448+/-0.176 χ^2/NDF: 2255192.6/40

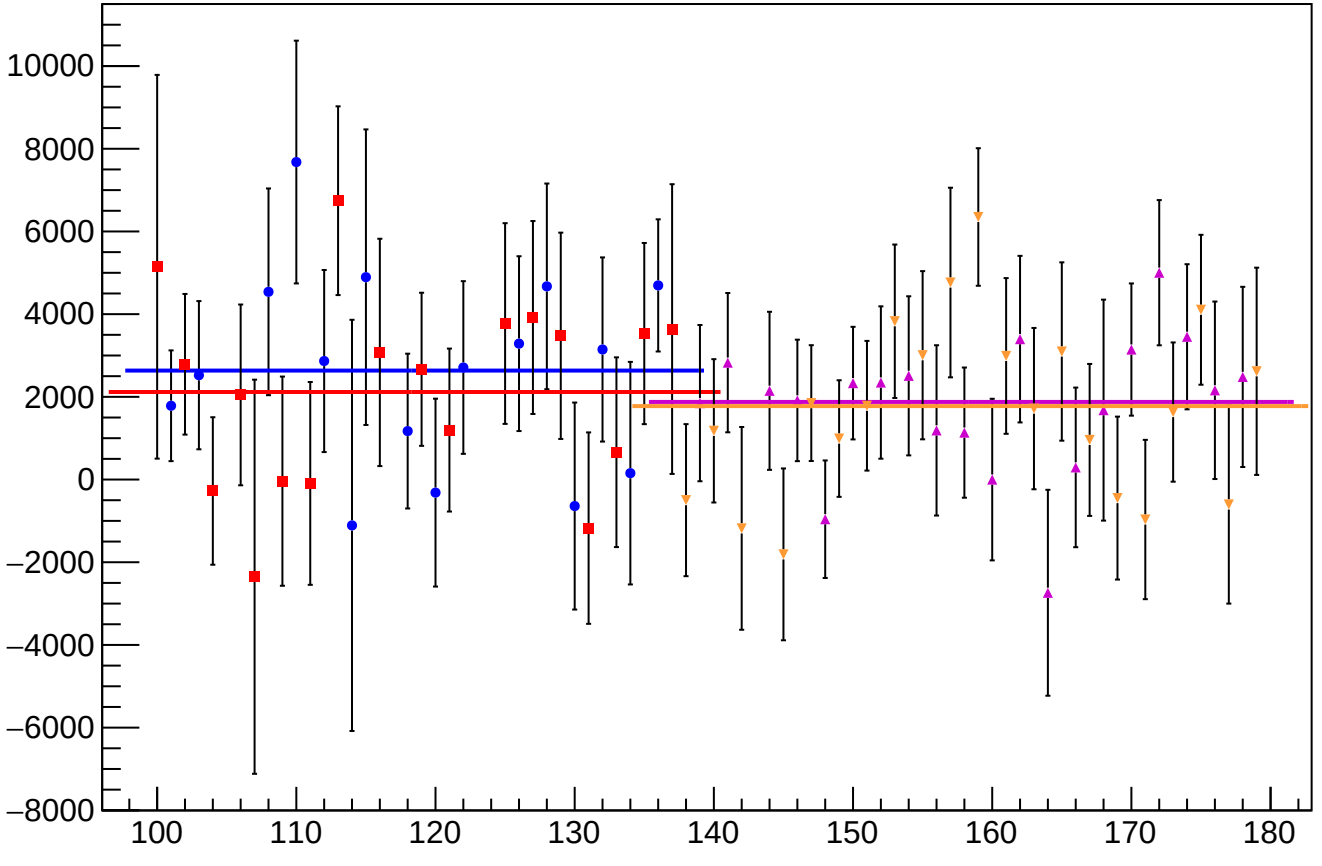
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1310.540+/-0.196 χ^2/NDF:1978574.1/35

Out: 1345.760+/-0.199 χ^2/NDF:1685769.3/38

All: 1327.870+/-0.139 χ^2/NDF: 3680279.5/74

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1776.247+/-404.795 χ^2/NDF:24.3/20

Right Out: 2117.162+/-547.483 χ^2/NDF: 13.7/17

Left In: 1877.120+/-403.104 χ^2/NDF:15.2/19

Left: 1826.895+/-285.634 χ^2/NDF: 39.6/40

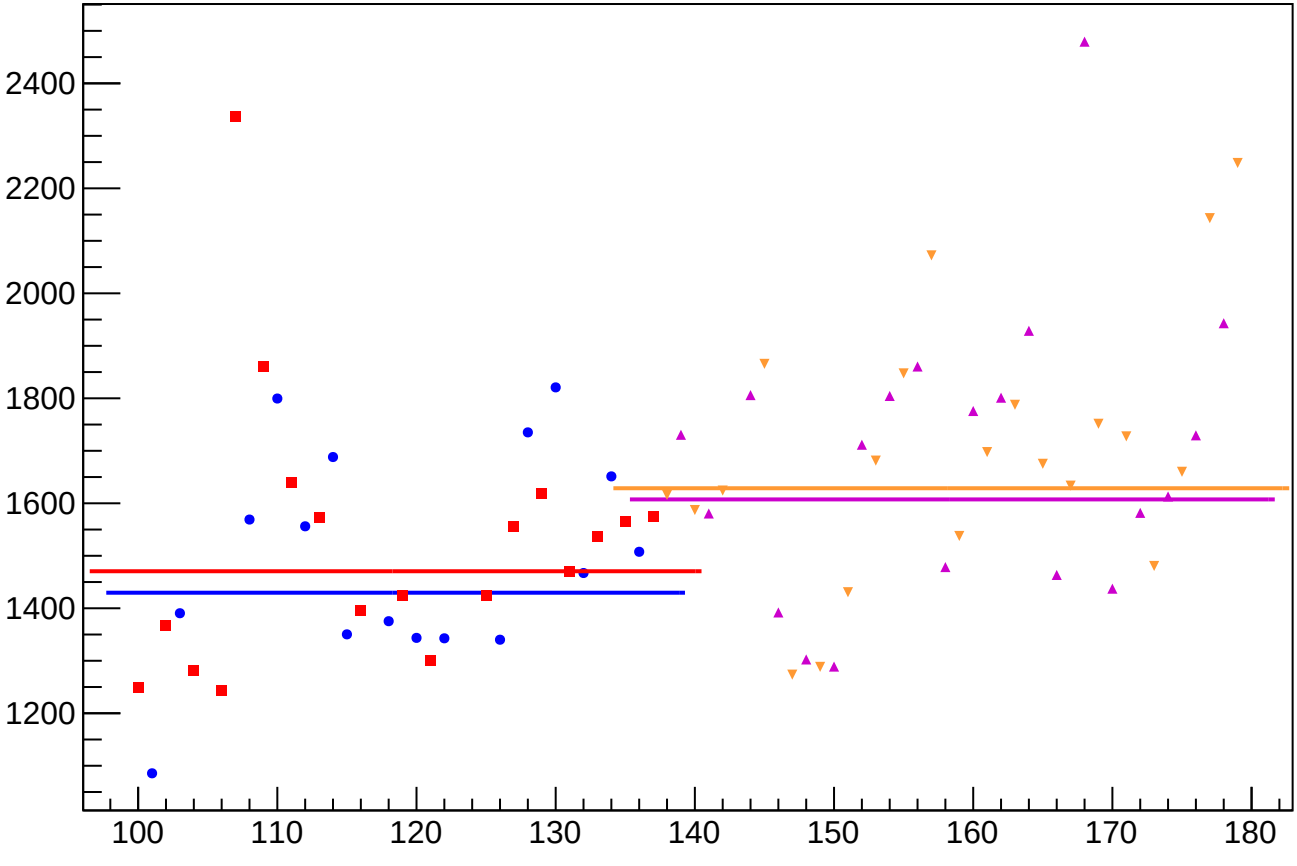
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2149.735+/-322.605 χ^2/NDF:28.8/35

Out: 1896.744+/-325.488 χ^2/NDF:38.3/38

All: 2024.365+/-229.129 χ^2/NDF: 67.3/74

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1628.665+/-0.286 χ^2/NDF:670131.5/20

Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1607.394+/-0.285 χ^2/NDF:713829.1/19

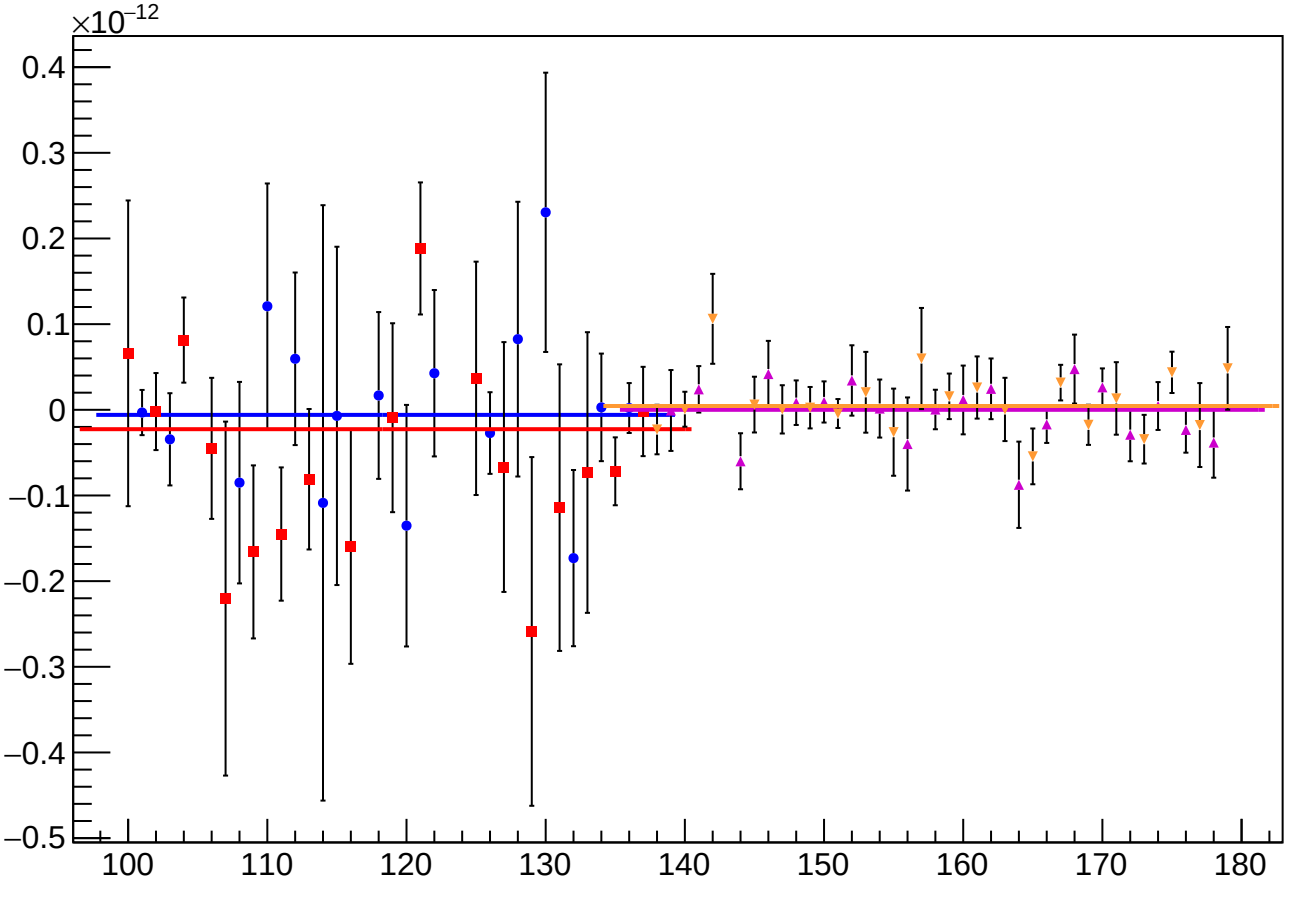
Left: 1617.985+/-0.202 χ^2/NDF: 1386733.5/40

Right: 1449.753+/-0.271 χ^2/NDF: 517137.1/33

In: 1543.493+/-0.228 χ^2/NDF:1147010.9/35

Out: 1572.784+/-0.230 χ^2/NDF:996031.8/38

All: 1558.008+/-0.162 χ^2/NDF: 2151213.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:16.4/19

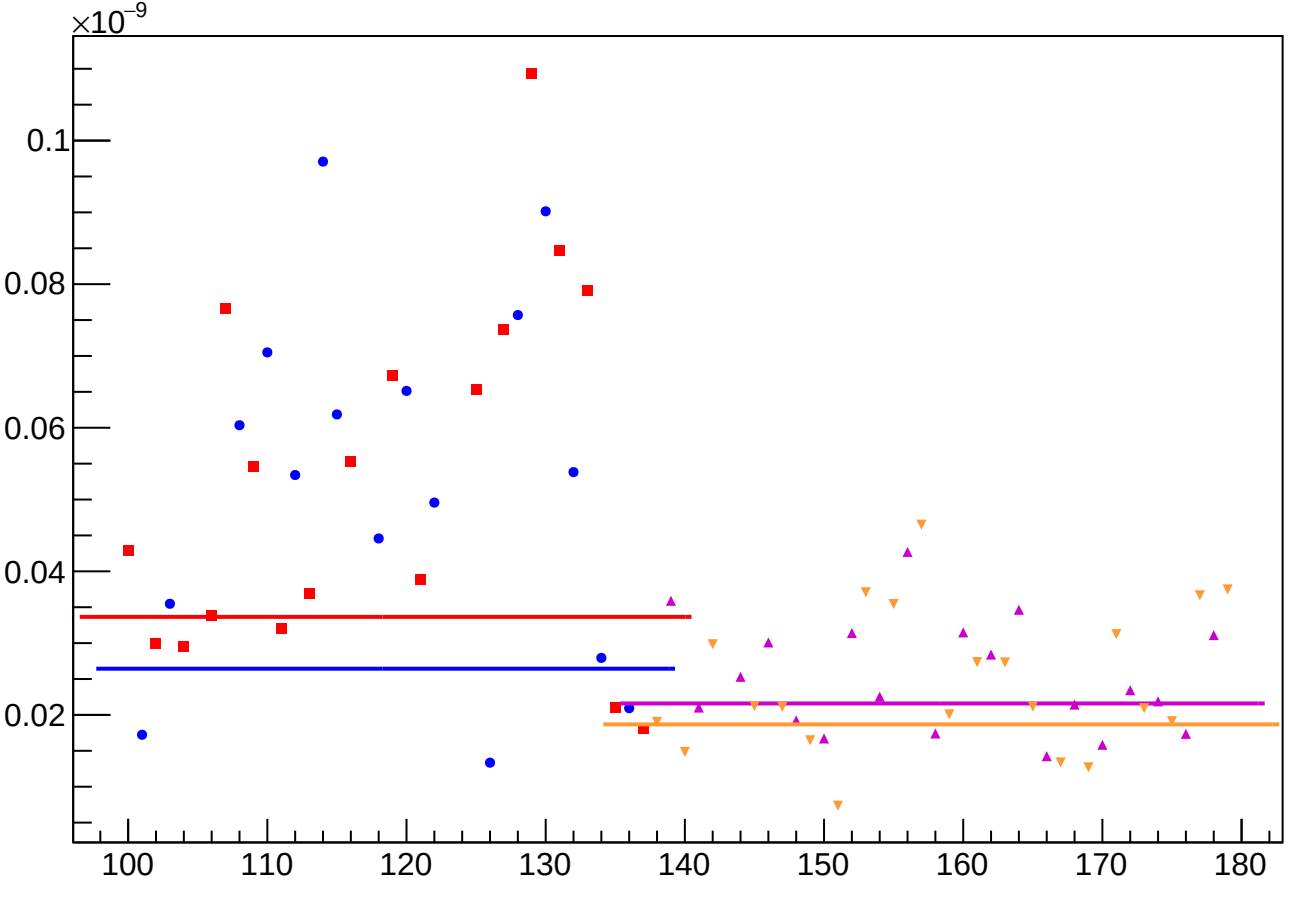
Left: 0.000+/-0.000 χ^2/NDF: 34.9/40

Right: -0.000+/-0.000 χ^2/NDF: 32.1/33

In: -0.000+/-0.000 χ^2/NDF:25.0/35

Out: 0.000+/-0.000 χ^2/NDF:43.4/38

All: 0.000+/-0.000 χ^2/NDF: 68.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3334829.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1749046.0/19

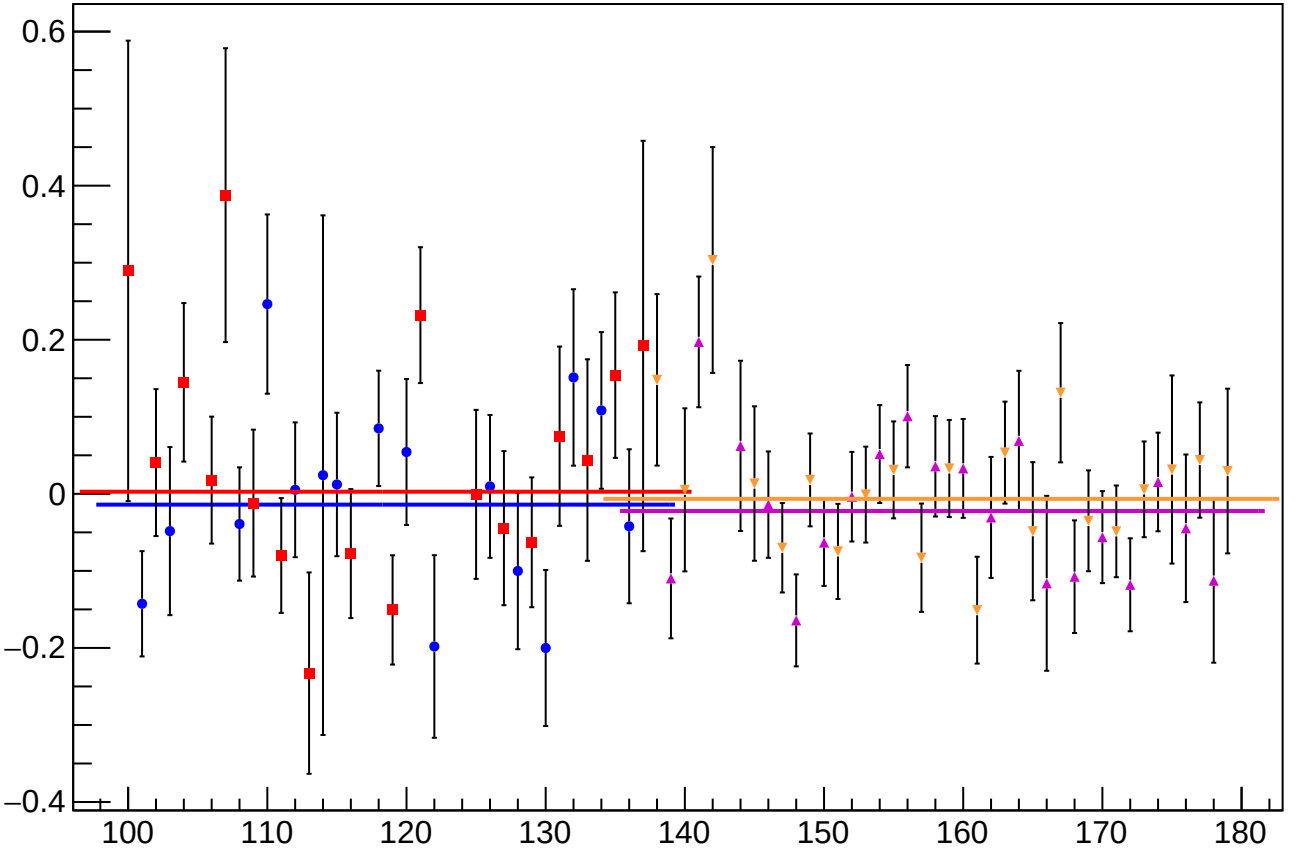
Left: 0.000+/-0.000 χ^2/NDF: 5278505.8/40

Right: 0.000+/-0.000 χ^2/NDF: 4035968.6/33

In: 0.000+/-0.000 χ^2/NDF:4056481.3/35

Out: 0.000+/-0.000 χ^2/NDF:6254760.3/38

All: 0.000+/-0.000 χ^2/NDF: 10430432.7/74



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.022+/-0.016 χ^2/NDF:28.2/19

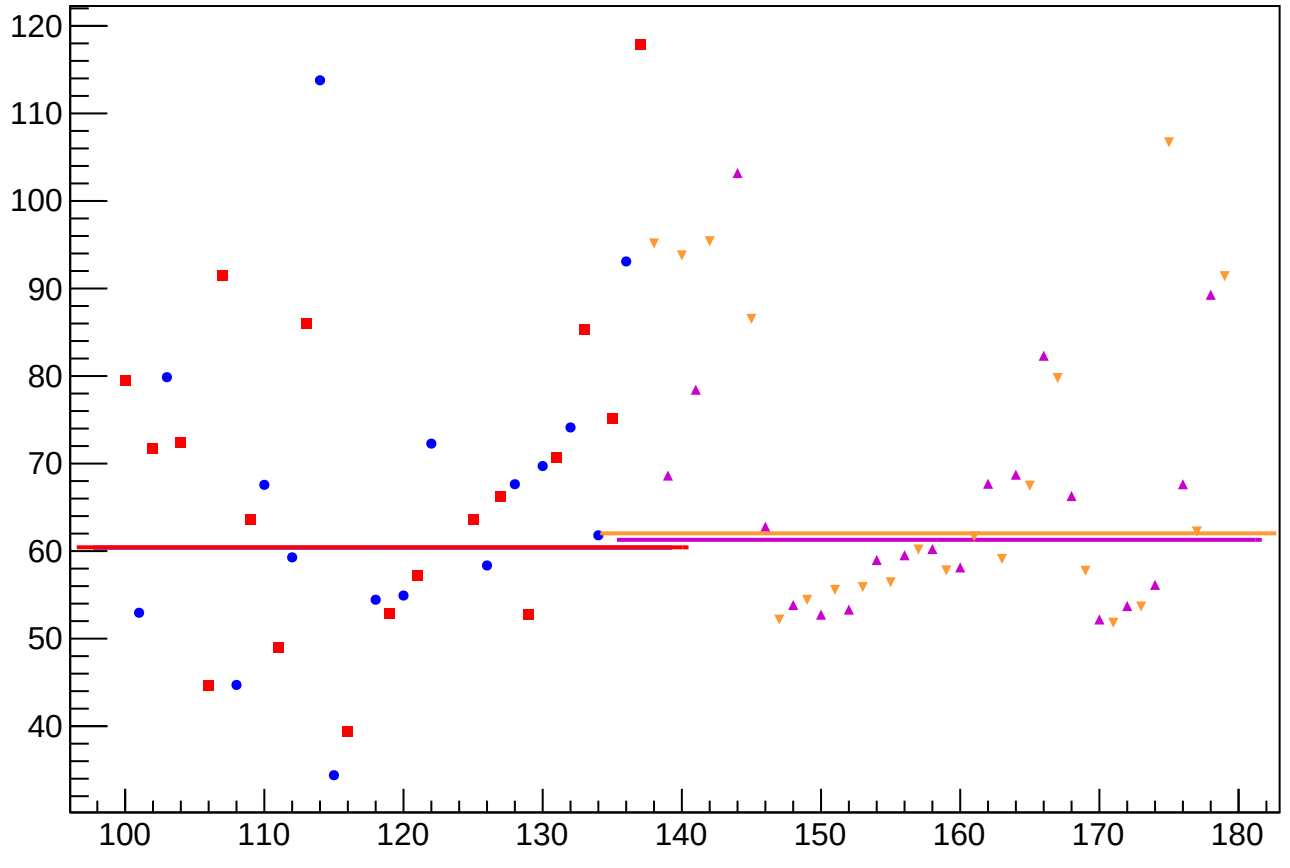
Left: -0.014+/-0.011 χ^2/NDF: 48.8/40

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 98.3/74



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 62.030+/-0.011 χ^2/NDF:1348471.4/20

Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854837.7/19

Left: 61.655+/-0.008 χ^2/NDF: 2205478.4/40

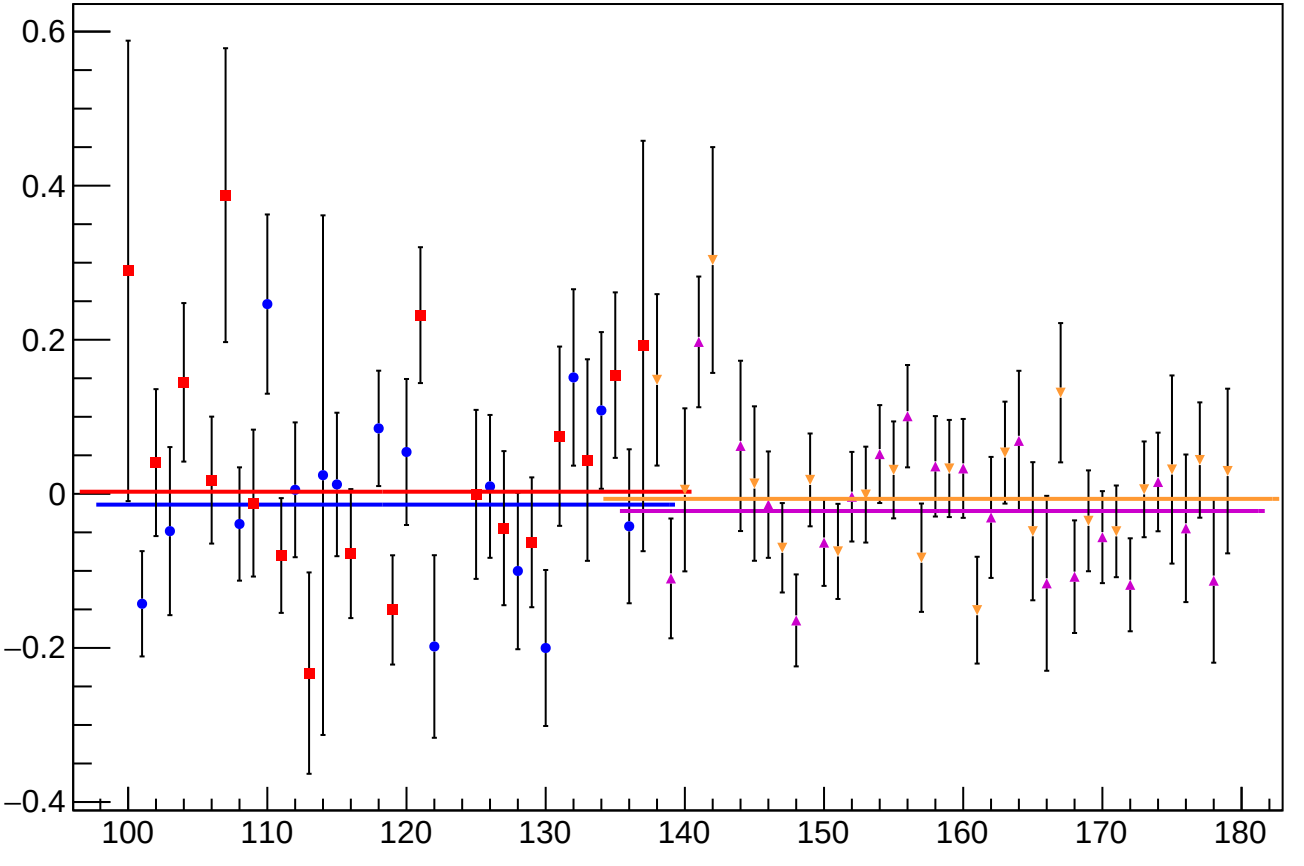
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.016+/-0.009 χ^2/NDF:1559920.1/35

Out: 61.533+/-0.009 χ^2/NDF:2065757.2/38

All: 61.273+/-0.007 χ^2/NDF: 3627200.5/74

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.022+/-0.016 χ^2/NDF:28.2/19

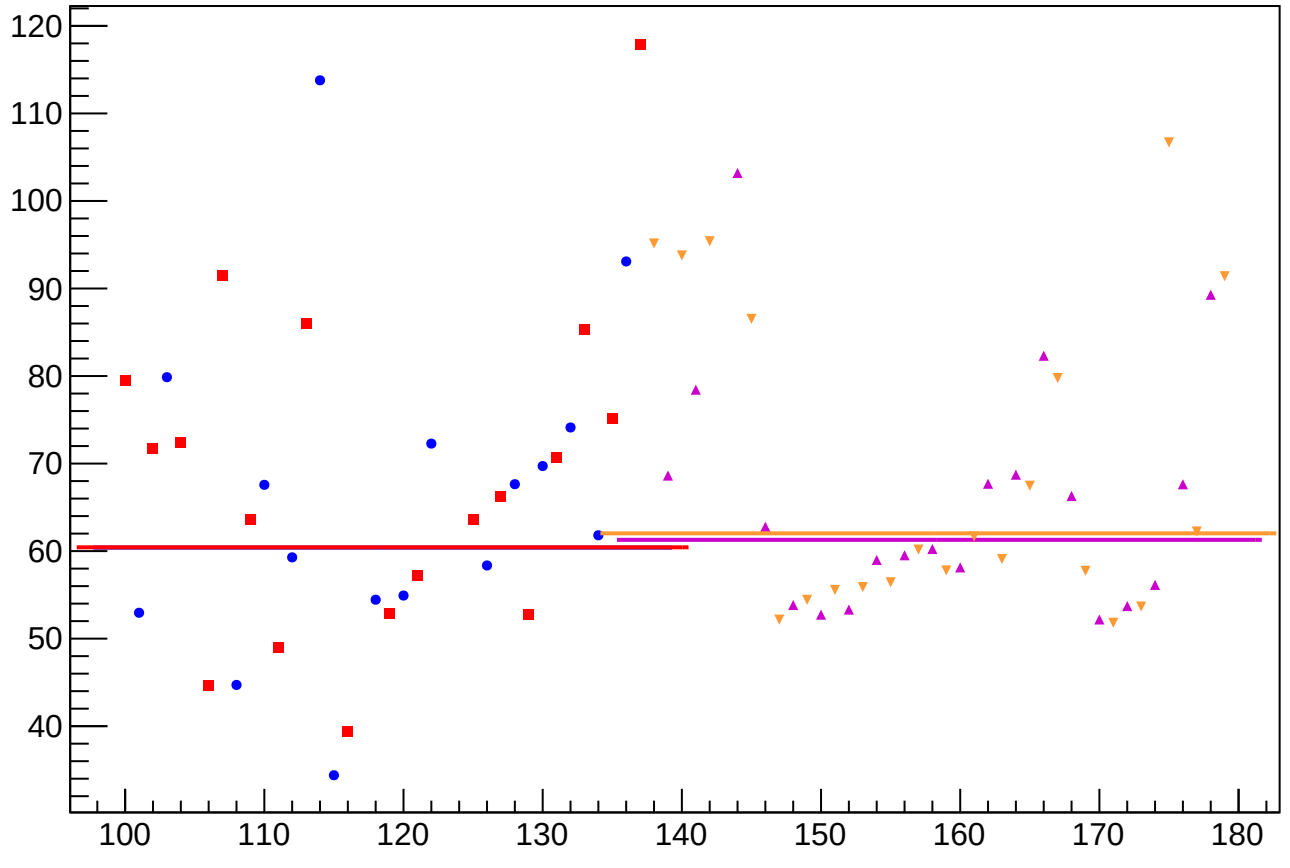
Left: -0.014+/-0.011 χ^2/NDF: 48.8/40

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 98.3/74



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 62.030+/-0.011 χ^2/NDF:1348471.4/20

Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854837.7/19

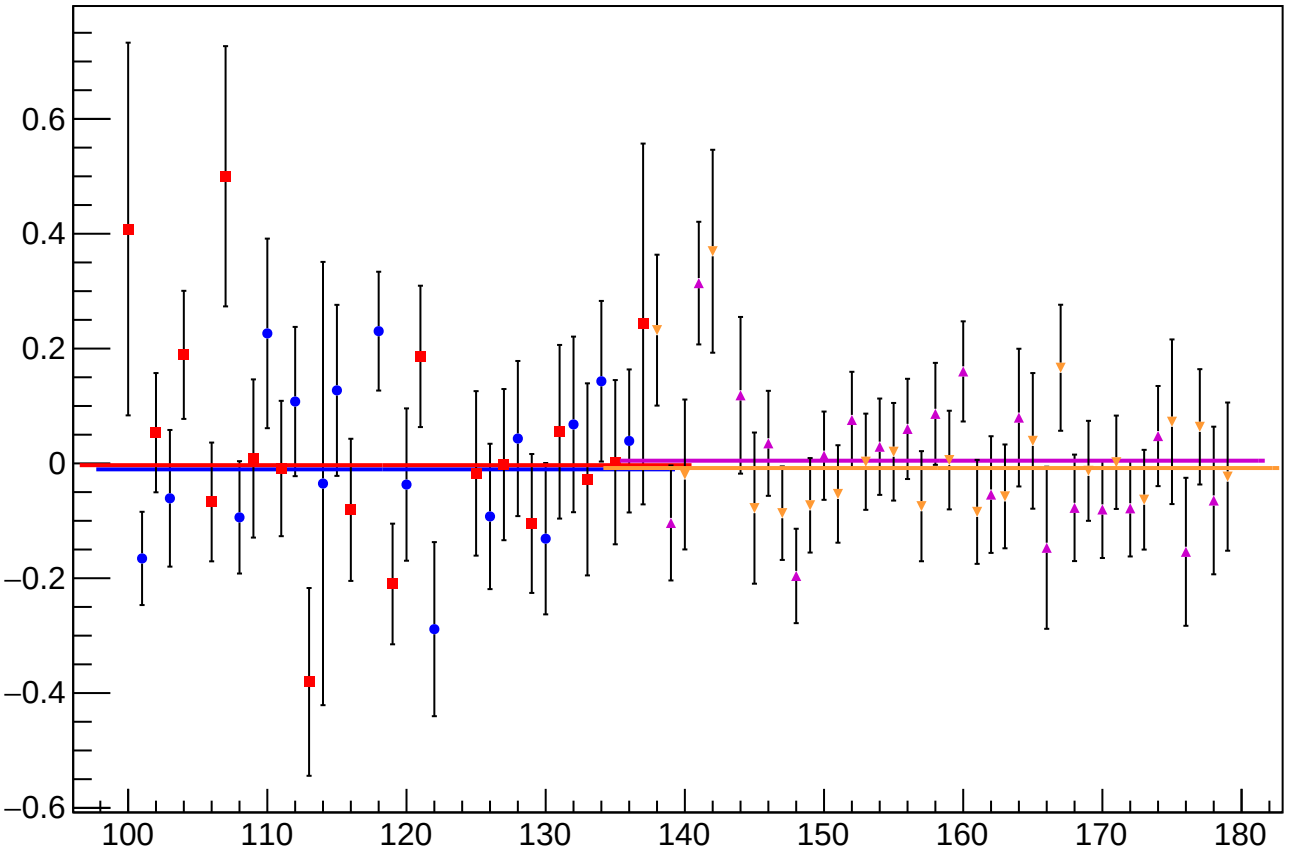
Left: 61.655+/-0.008 χ^2/NDF: 2205478.4/40

Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.016+/-0.009 χ^2/NDF:1559920.1/35

Out: 61.533+/-0.009 χ^2/NDF:2065757.2/38

All: 61.273+/-0.007 χ^2/NDF: 3627200.5/74



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.008+/-0.021 χ^2/NDF:15.6/20

Right Out: -0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.005+/-0.021 χ^2/NDF:28.3/19

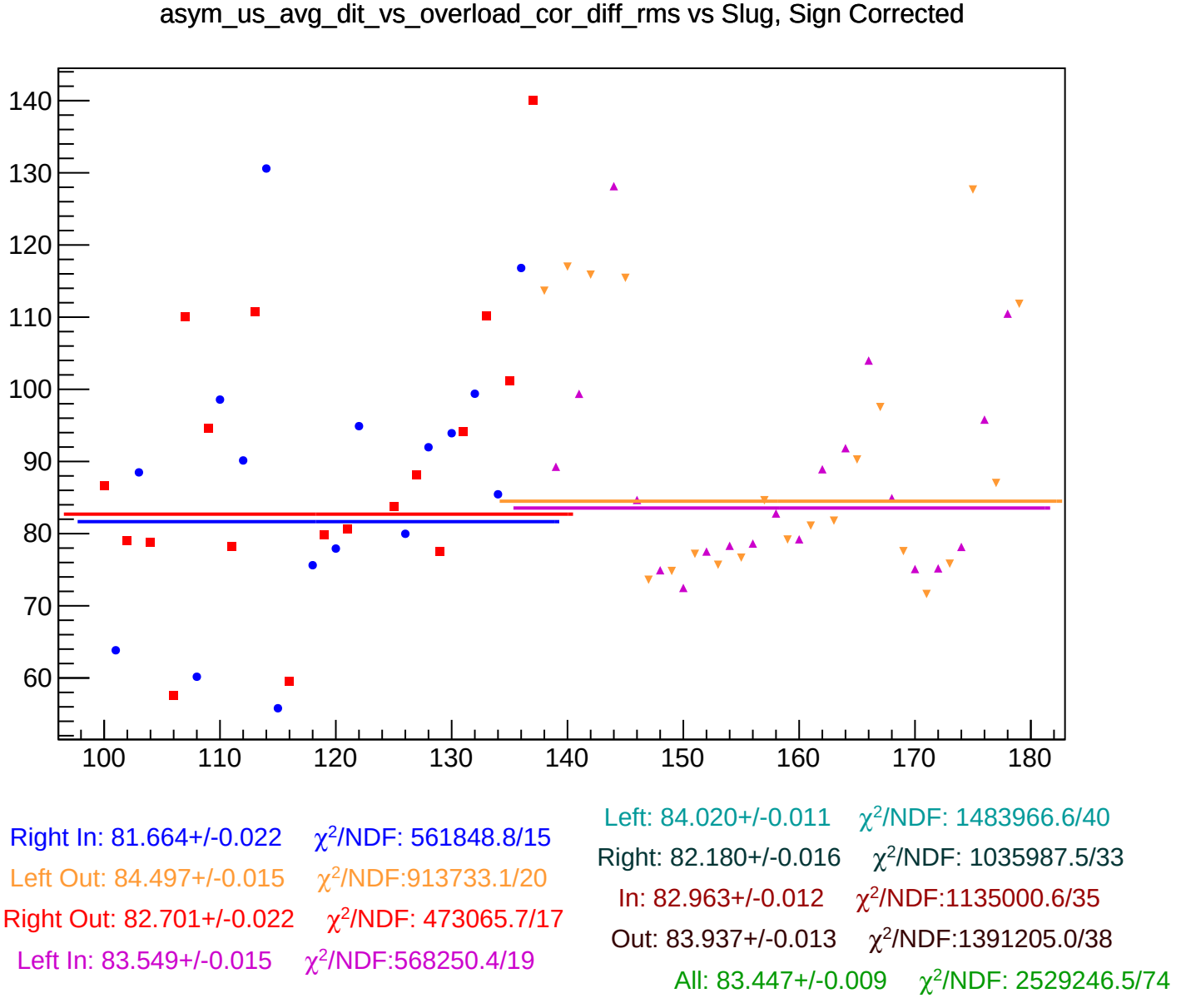
Left: -0.002+/-0.015 χ^2/NDF: 44.1/40

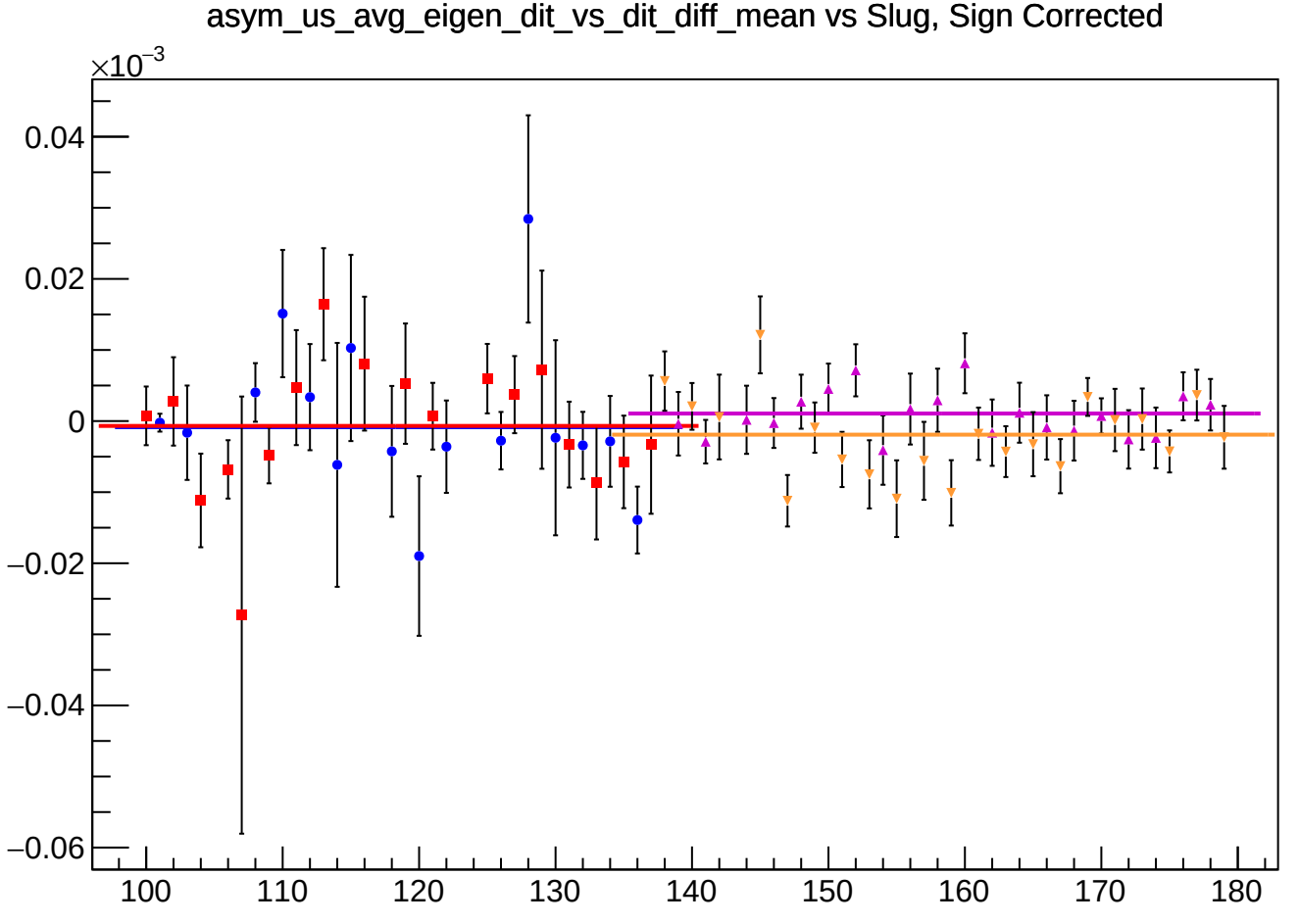
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.000+/-0.018 χ^2/NDF:48.6/35

Out: -0.007+/-0.018 χ^2/NDF:39.3/38

All: -0.003+/-0.012 χ^2/NDF: 88.0/74


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 84.497+/-0.015 χ²/NDF:913733.1/20
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 83.549+/-0.015 χ²/NDF:568250.4/19
Left: 84.020+/-0.011 χ²/NDF: 1483966.6/40
Right: 82.180+/-0.016 χ²/NDF: 1035987.5/33
In: 82.963+/-0.012 χ²/NDF:1135000.6/35
Out: 83.937+/-0.013 χ²/NDF:1391205.0/38
All: 83.447+/-0.009 χ²/NDF: 2529246.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.9/19

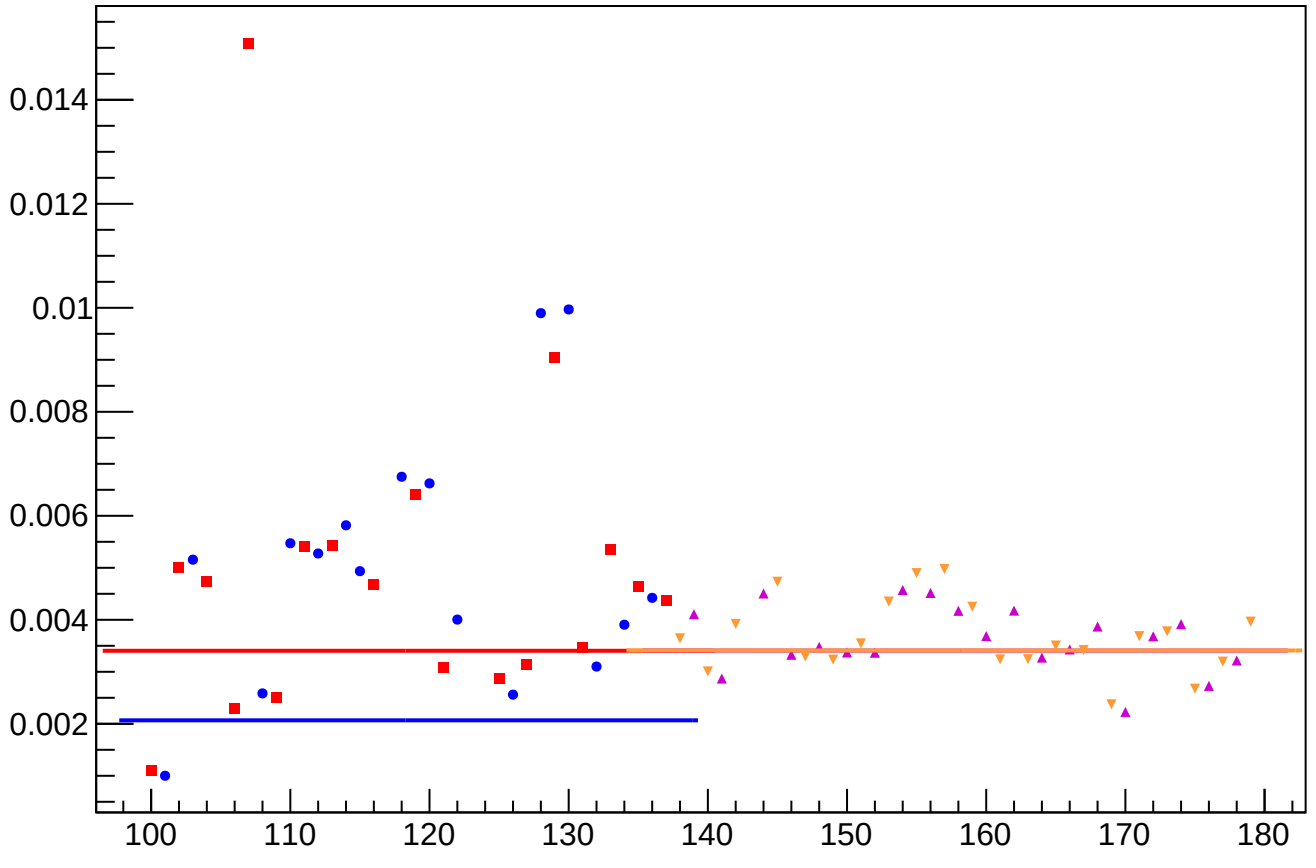
Left: -0.000+/-0.000 χ^2/NDF: 55.1/40

Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: 0.000+/-0.000 χ^2/NDF:36.3/35

Out: -0.000+/-0.000 χ^2/NDF:55.2/38

All: -0.000+/-0.000 χ^2/NDF: 94.9/74



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1135691.2/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1154859.7/19

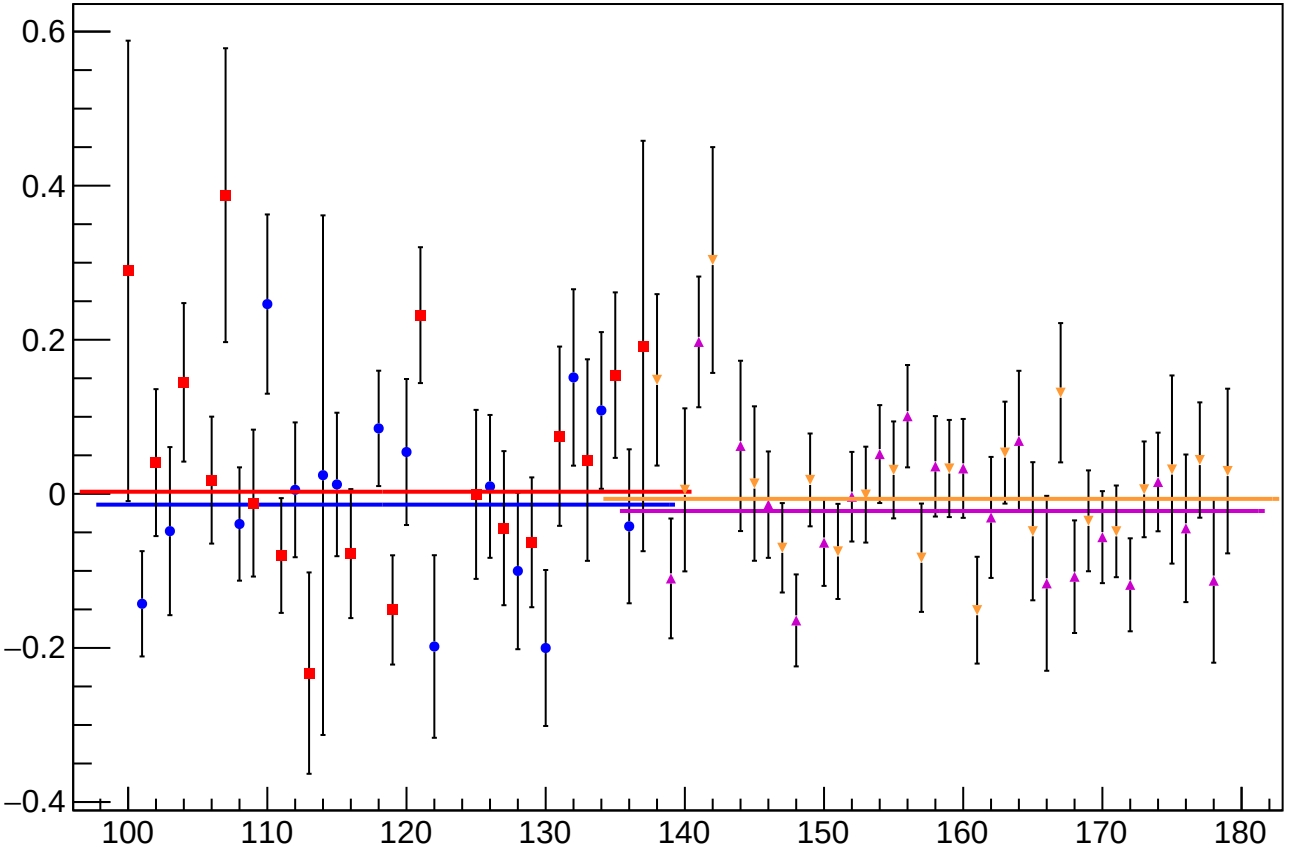
Left: 0.003+/-0.000 χ^2/NDF: 2290559.5/40

Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.003+/-0.000 χ^2/NDF:9009615.8/35

Out: 0.003+/-0.000 χ^2/NDF:3627023.6/38

All: 0.003+/-0.000 χ^2/NDF: 13301322.7/74



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.022+/-0.016 χ^2/NDF:28.2/19

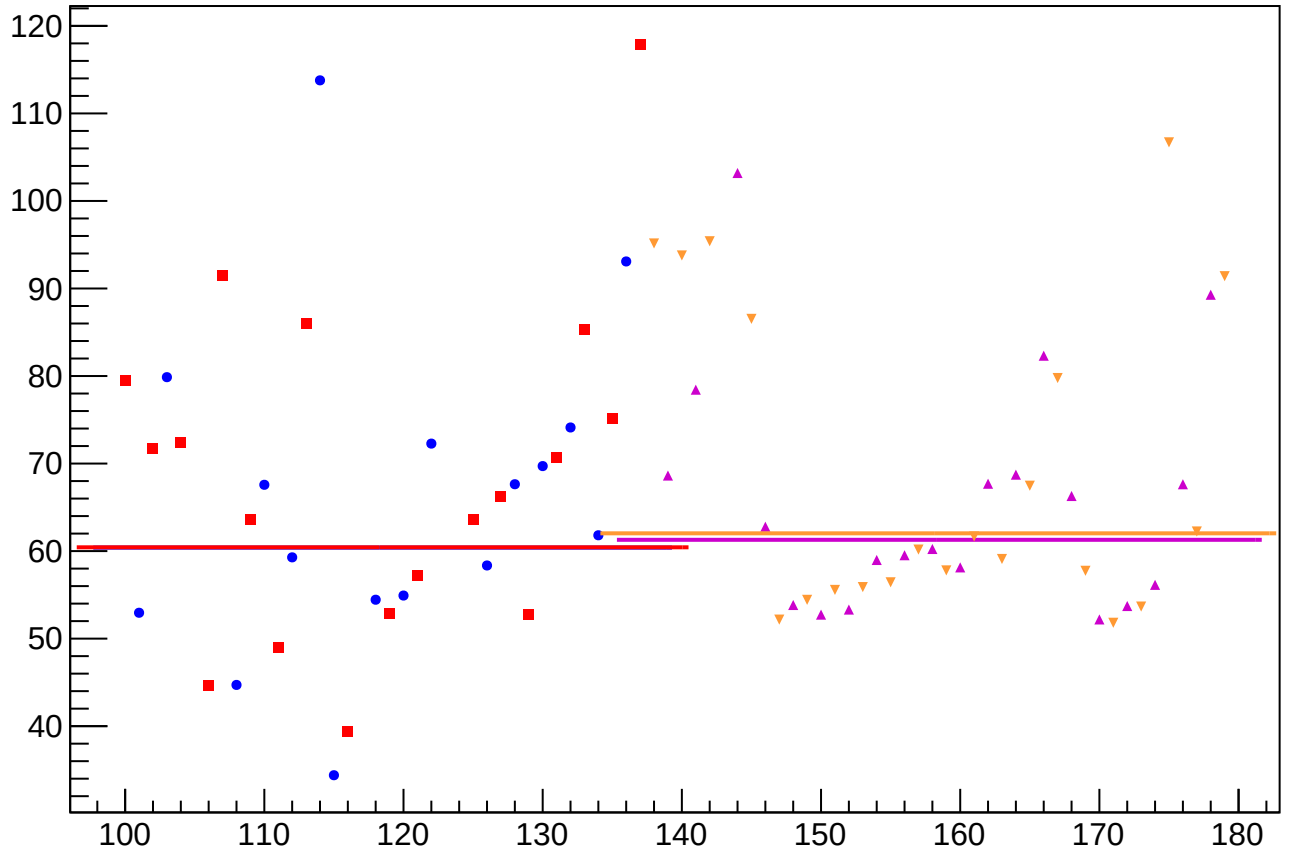
Left: -0.014+/-0.011 χ^2/NDF: 48.8/40

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 98.3/74



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 62.030+/-0.011 χ^2/NDF:1348451.6/20

Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854826.5/19

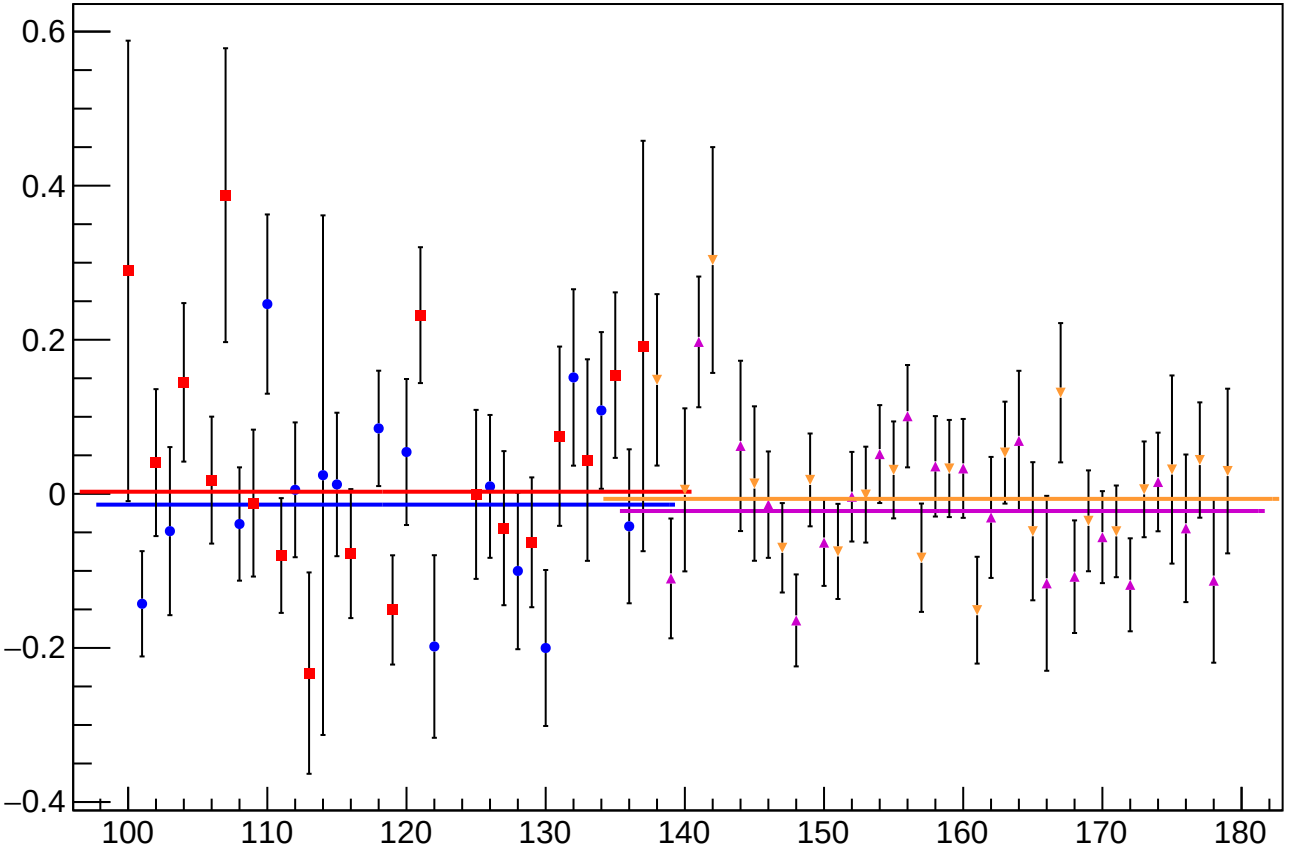
Left: 61.655+/-0.008 χ^2/NDF: 2205447.8/40

Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.016+/-0.009 χ^2/NDF:1559928.6/35

Out: 61.533+/-0.009 χ^2/NDF:2065782.7/38

All: 61.273+/-0.007 χ^2/NDF: 3627234.2/74



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.007+/-0.016 χ^2/NDF:20.1/20

Right Out: 0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: -0.022+/-0.016 χ^2/NDF:28.2/19

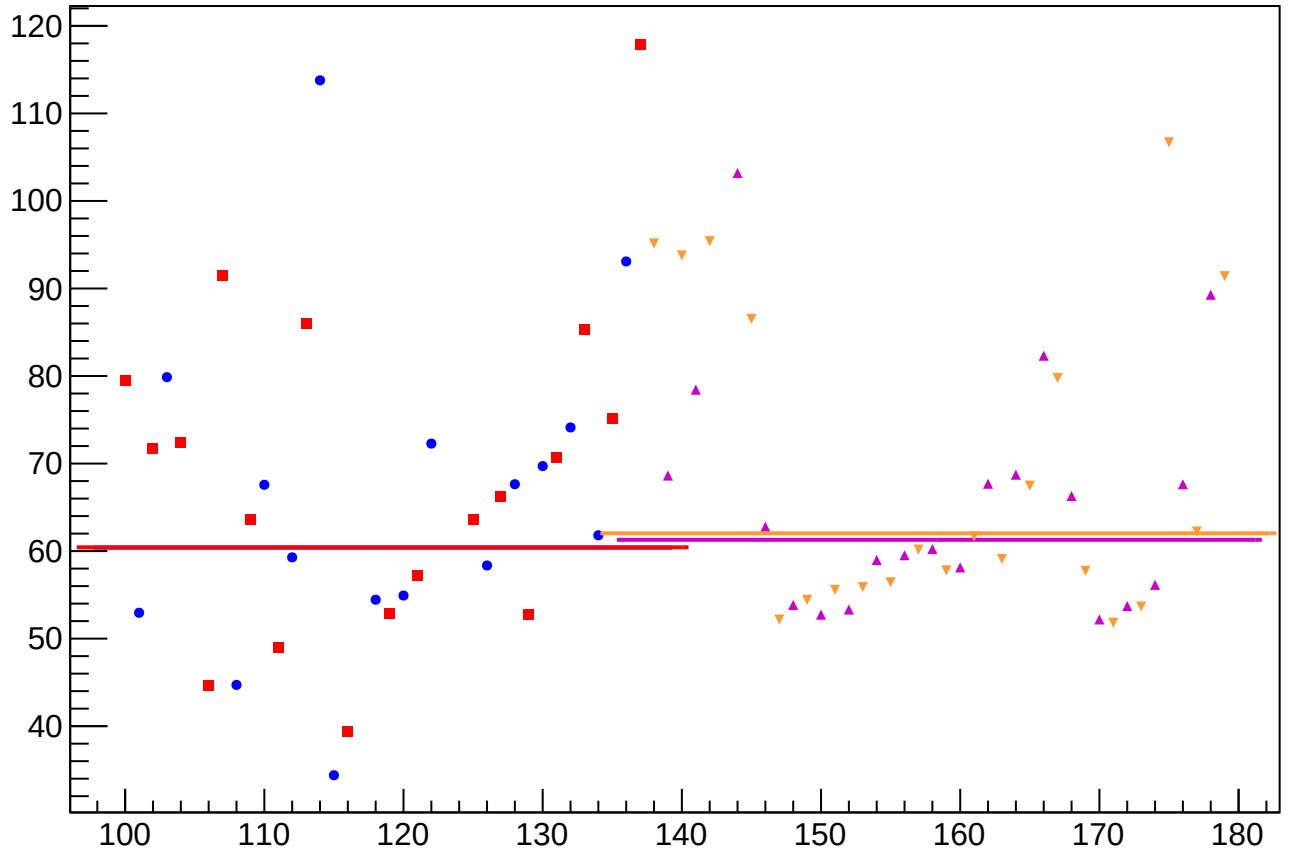
Left: -0.014+/-0.011 χ^2/NDF: 48.8/40

Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.9/38

All: -0.012+/-0.009 χ^2/NDF: 98.3/74



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 62.030+/-0.011 χ^2/NDF:1348451.6/20

Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.288+/-0.011 χ^2/NDF:854826.5/19

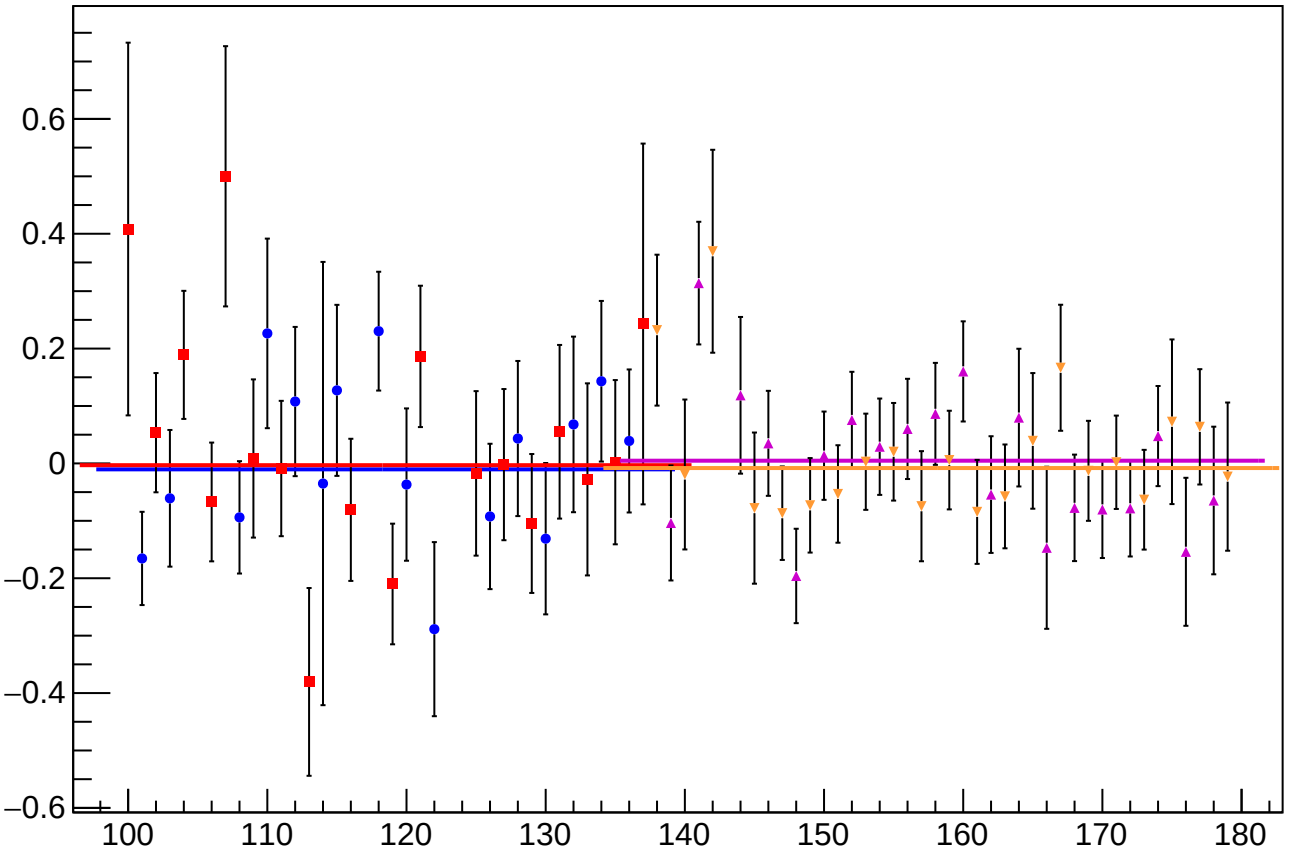
Left: 61.655+/-0.008 χ^2/NDF: 2205447.8/40

Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.016+/-0.009 χ^2/NDF:1559928.6/35

Out: 61.533+/-0.009 χ^2/NDF:2065782.7/38

All: 61.273+/-0.007 χ^2/NDF: 3627234.2/74



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.008+/-0.021 χ^2/NDF:15.6/20

Right Out: -0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: 0.005+/-0.021 χ^2/NDF:28.3/19

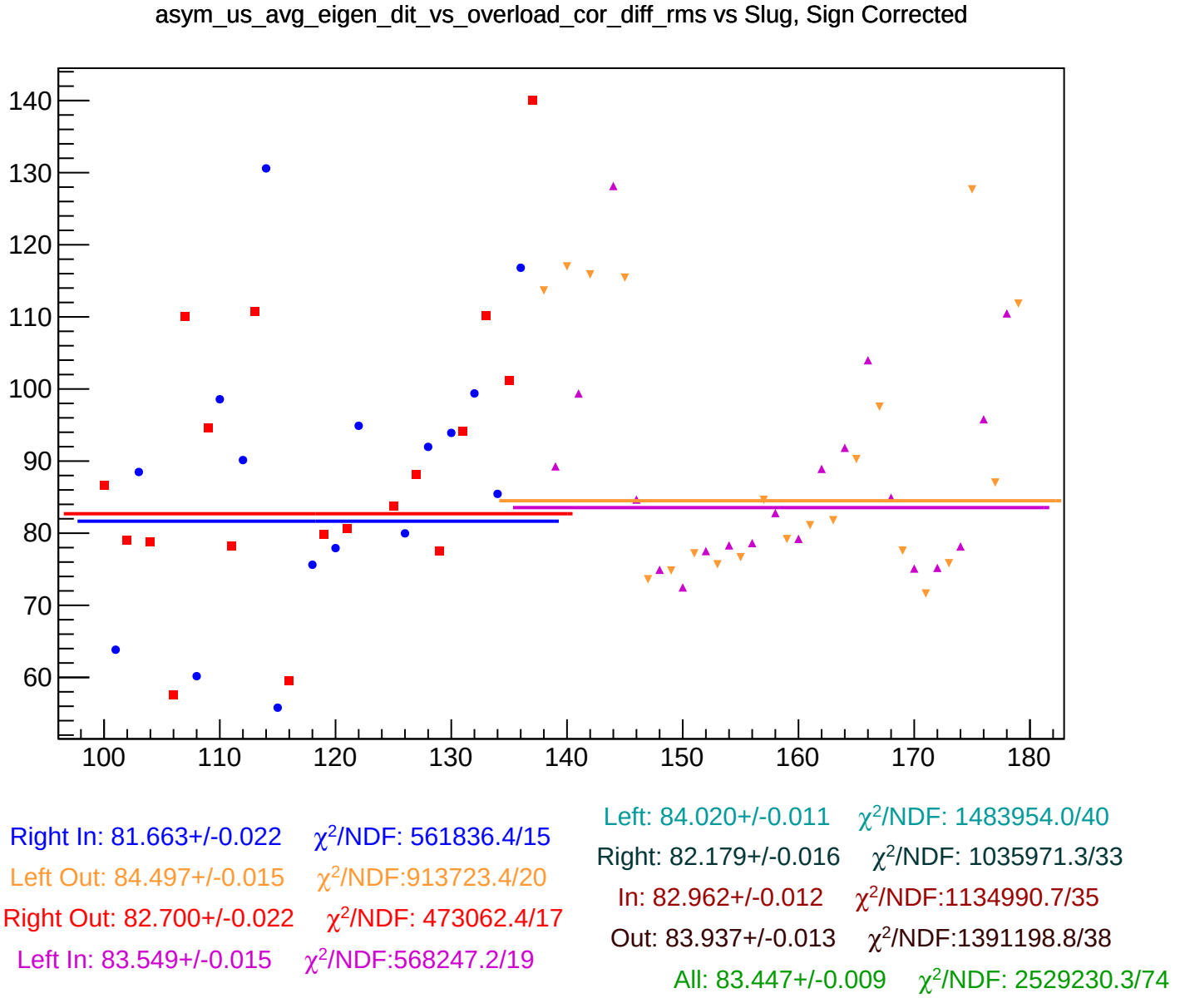
Left: -0.002+/-0.015 χ^2/NDF: 44.1/40

Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.000+/-0.018 χ^2/NDF:48.6/35

Out: -0.007+/-0.018 χ^2/NDF:39.3/38

All: -0.003+/-0.012 χ^2/NDF: 88.0/74


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
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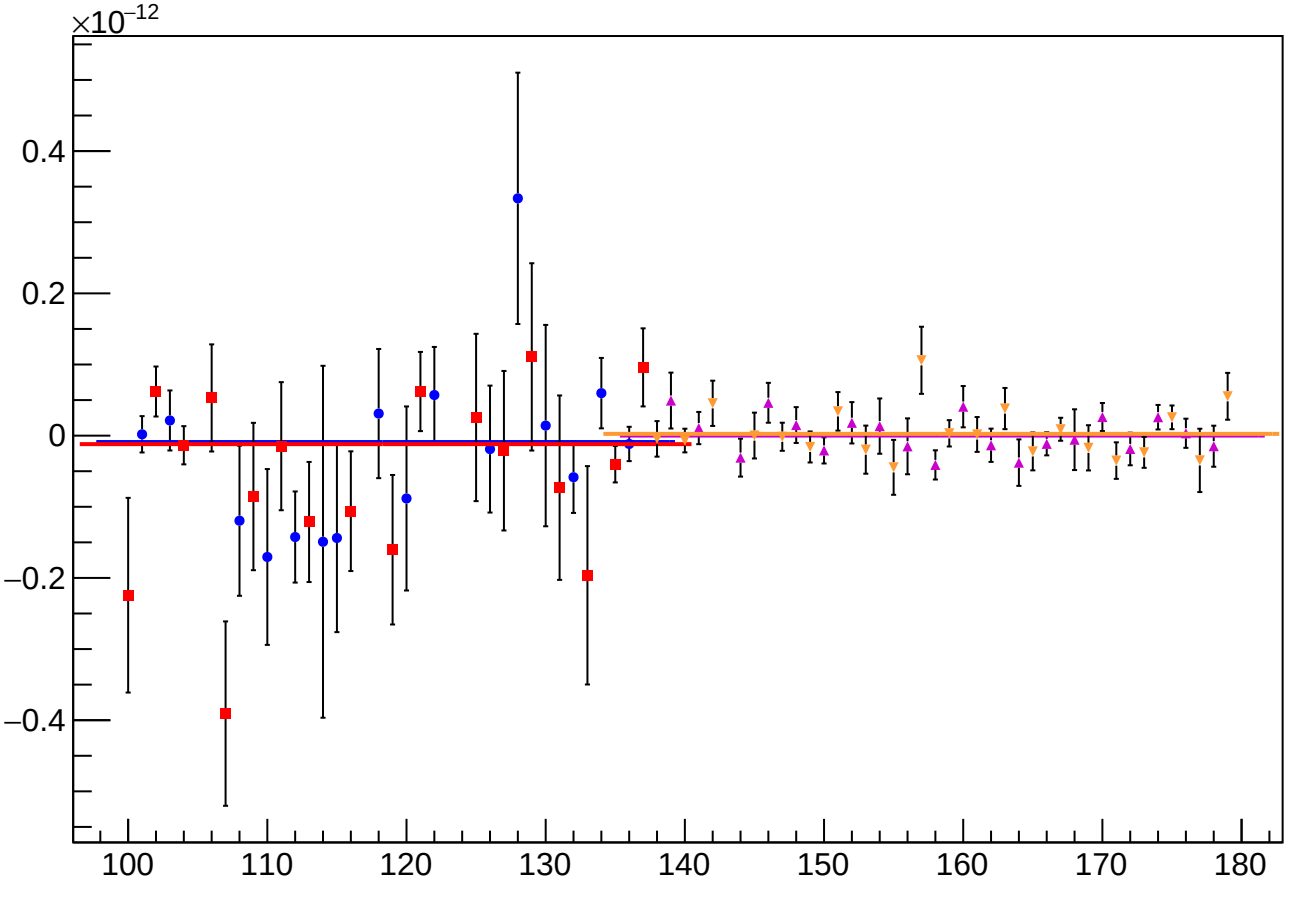
150
160
170
180
Right In: 81.663+/-0.022 χ2/NDF: 561836.4/15
Left Out: 84.497+/-0.015 χ2/NDF:913723.4/20
Right Out: 82.700+/-0.022 χ2/NDF: 473062.4/17
Left In: 83.549+/-0.015 χ2/NDF:568247.2/19
Left: 84.020+/-0.011 χ2/NDF: 1483954.0/40
Right: 82.179+/-0.016 χ2/NDF: 1035971.3/33
In: 82.962+/-0.012 χ2/NDF:1134990.7/35
Out: 83.937+/-0.013 χ2/NDF:1391198.8/38
All: 83.447+/-0.009 χ2/NDF: 2529230.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/17

Left In: 0.000+/-0.000 χ^2/NDF:21.3/19

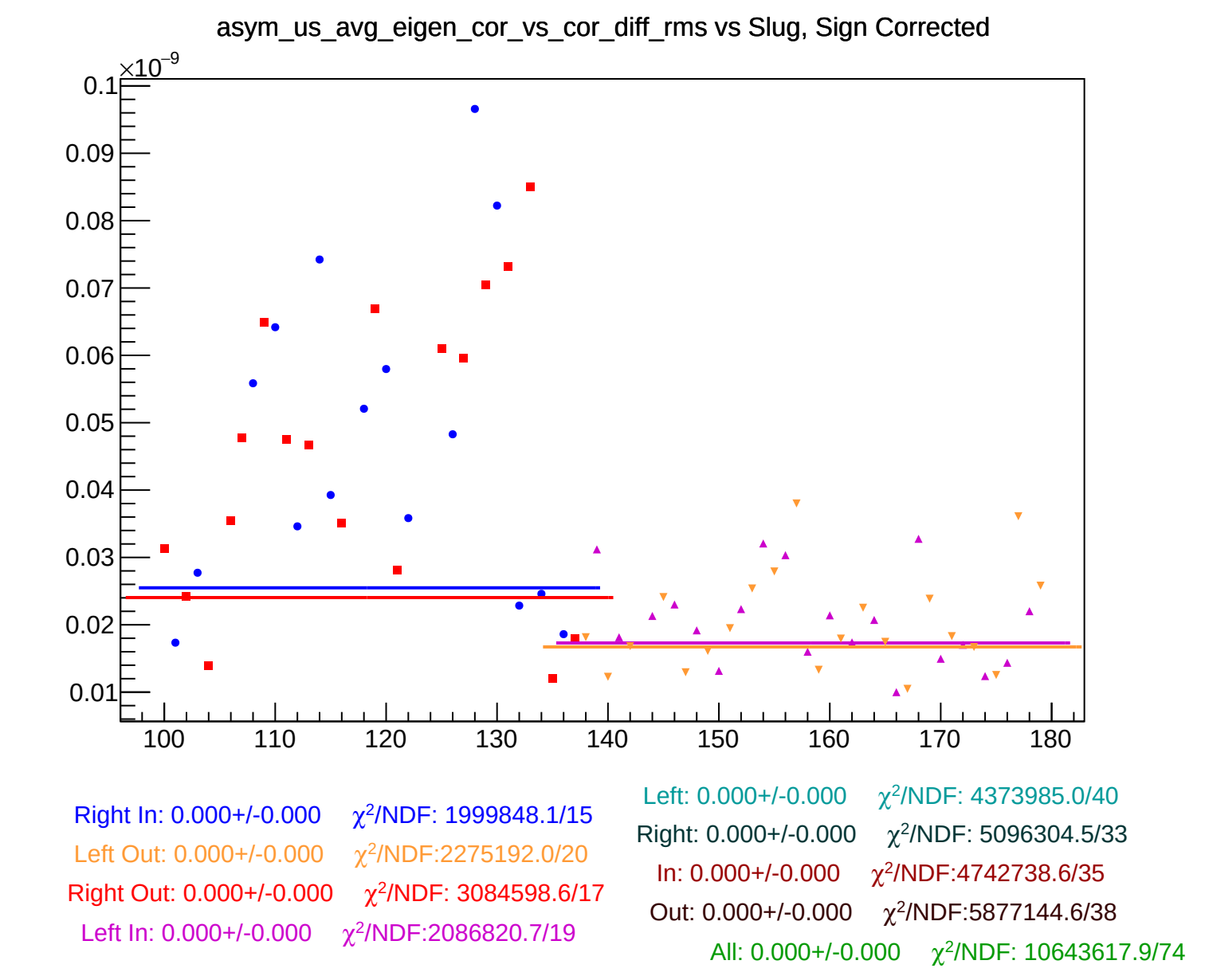
Left: 0.000+/-0.000 χ^2/NDF: 44.2/40

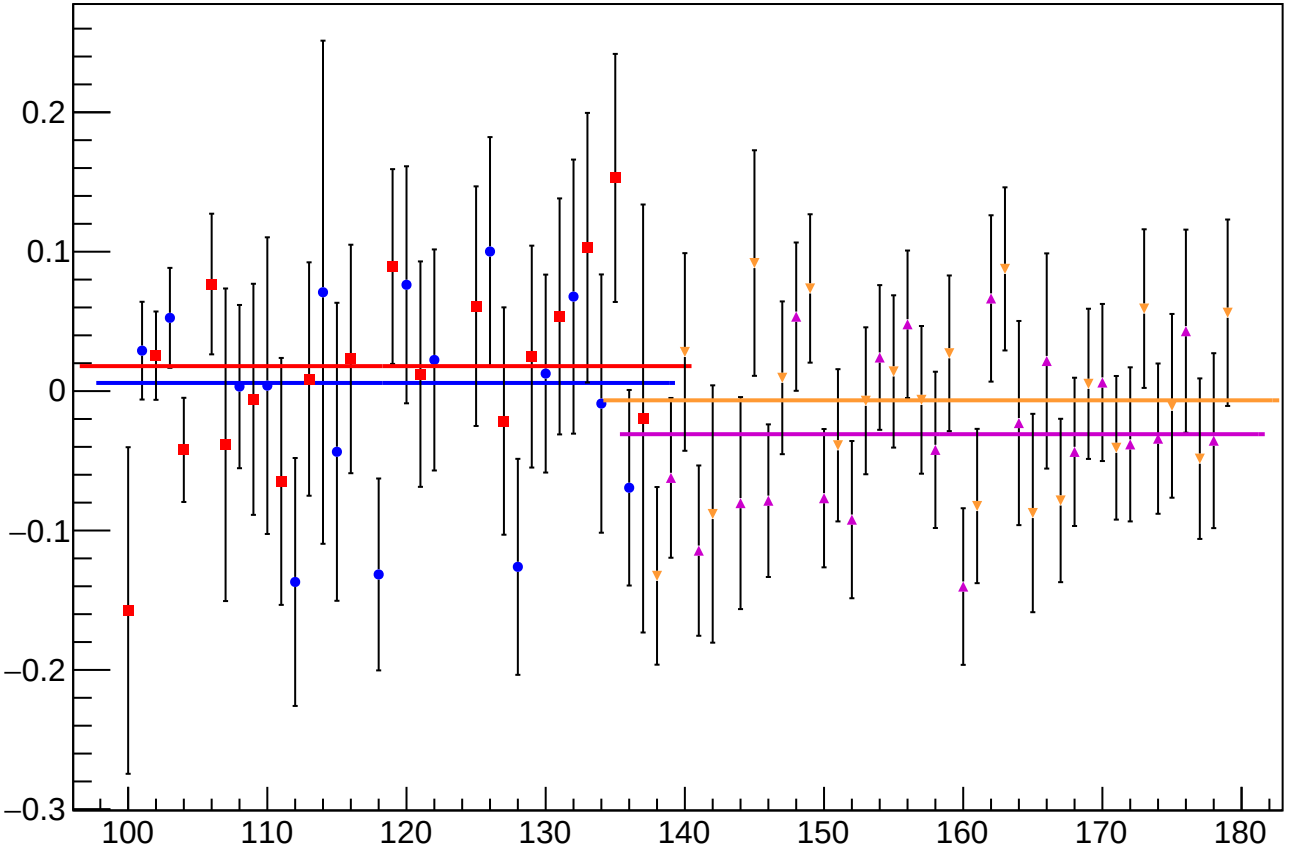
Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

In: -0.000+/-0.000 χ^2/NDF:39.1/35

Out: 0.000+/-0.000 χ^2/NDF:54.8/38

All: -0.000+/-0.000 χ^2/NDF: 94.0/74


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2275192.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 3084598.6/17
Left In: 0.000+/-0.000 χ²/NDF:2086820.7/19
Left: 0.000+/-0.000 χ²/NDF: 4373985.0/40
Right: 0.000+/-0.000 χ²/NDF: 5096304.5/33
In: 0.000+/-0.000 χ²/NDF:4742738.6/35
Out: 0.000+/-0.000 χ²/NDF:5877144.6/38
All: 0.000+/-0.000 χ²/NDF: 10643617.9/74



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.007+/-0.013 χ^2/NDF:20.1/20

Right Out: 0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: -0.031+/-0.013 χ^2/NDF:19.8/19

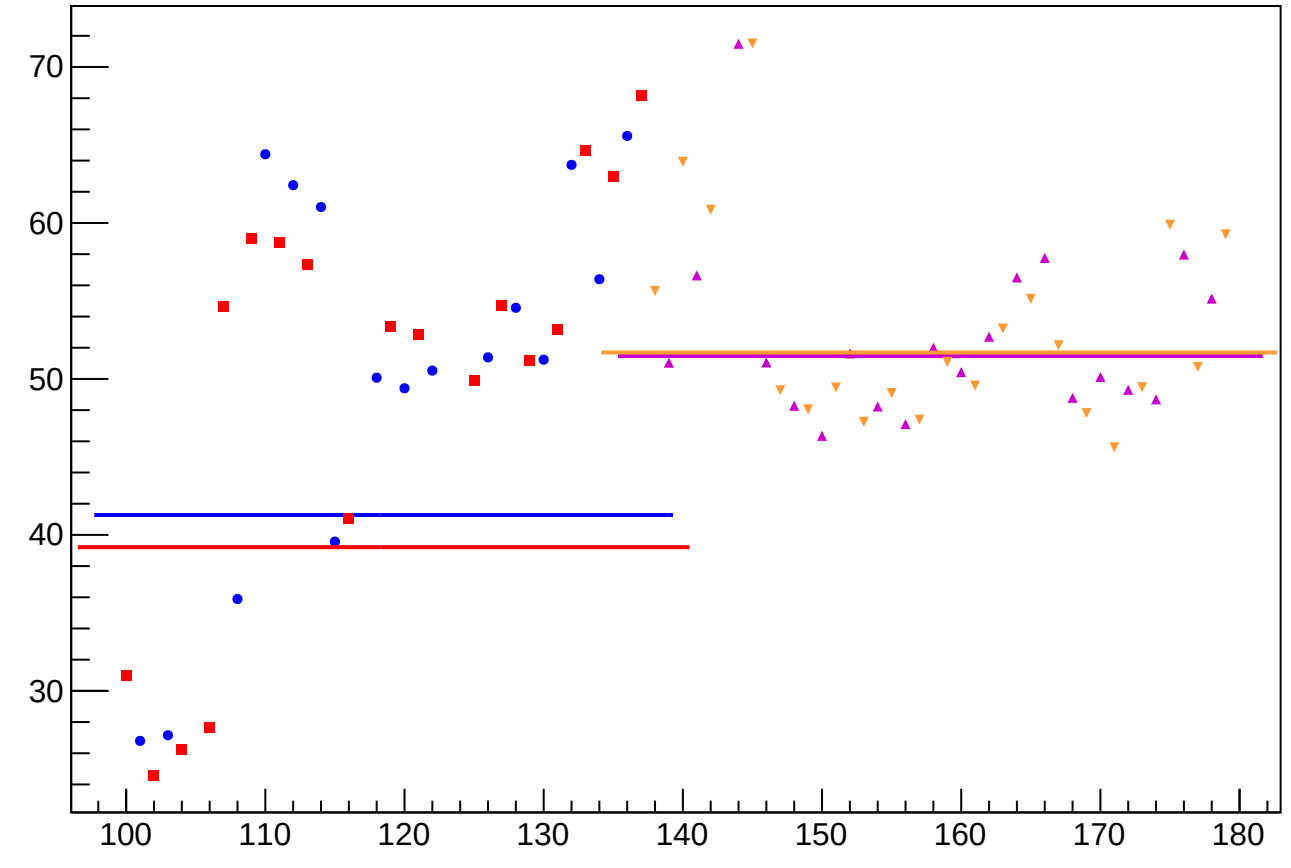
Left: -0.019+/-0.009 χ^2/NDF: 41.6/40

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.010 χ^2/NDF:38.4/35

Out: 0.003+/-0.010 χ^2/NDF:33.9/38

All: -0.007+/-0.007 χ^2/NDF: 74.3/74



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.696+/-0.009 χ^2/NDF:363239.9/20

Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.467+/-0.009 χ^2/NDF:265015.7/19

Left: 51.582+/-0.006 χ^2/NDF: 628568.7/40

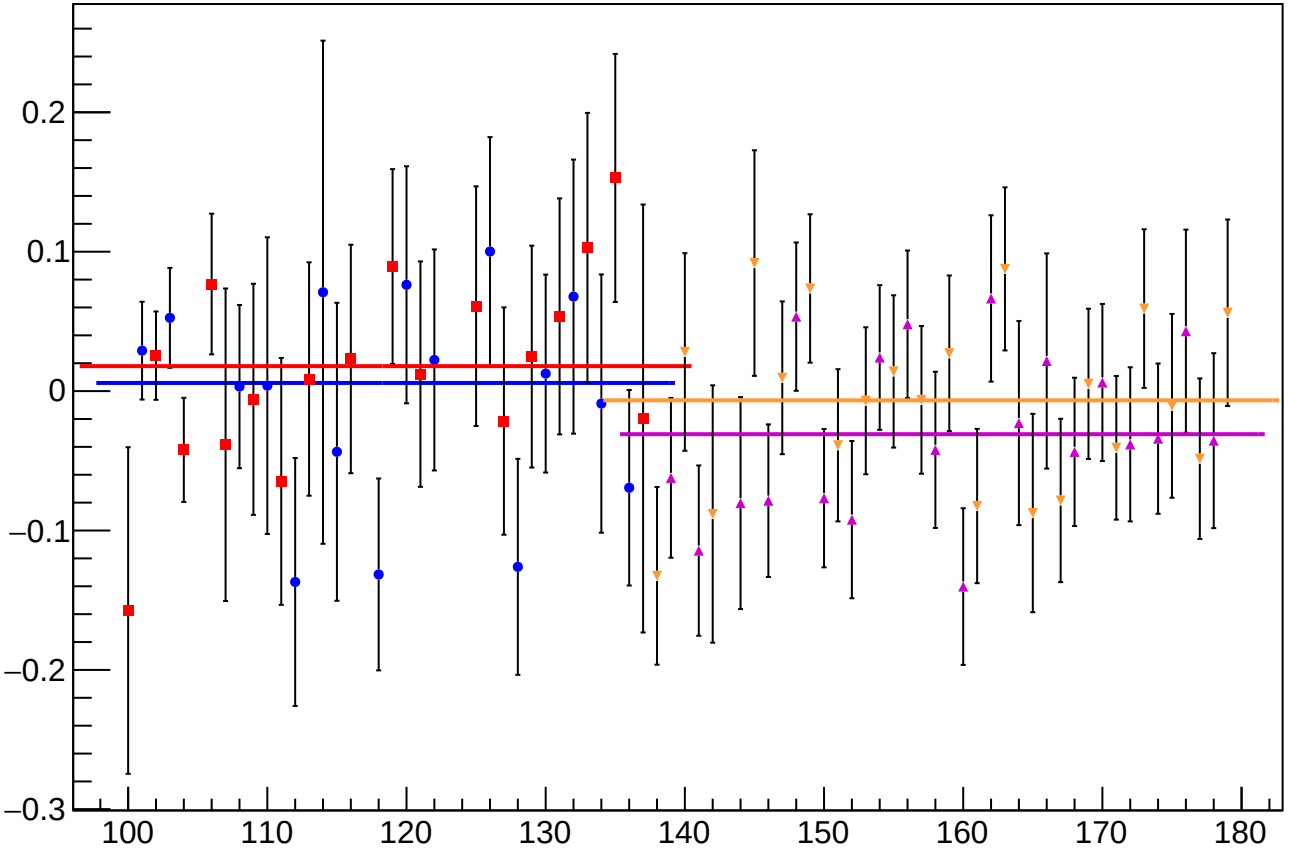
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.579+/-0.007 χ^2/NDF:2240552.4/35

Out: 46.674+/-0.007 χ^2/NDF:2935764.6/38

All: 47.116+/-0.005 χ^2/NDF: 5184347.2/74

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.007+/-0.013 χ^2/NDF:20.1/20

Right Out: 0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: -0.031+/-0.013 χ^2/NDF:19.8/19

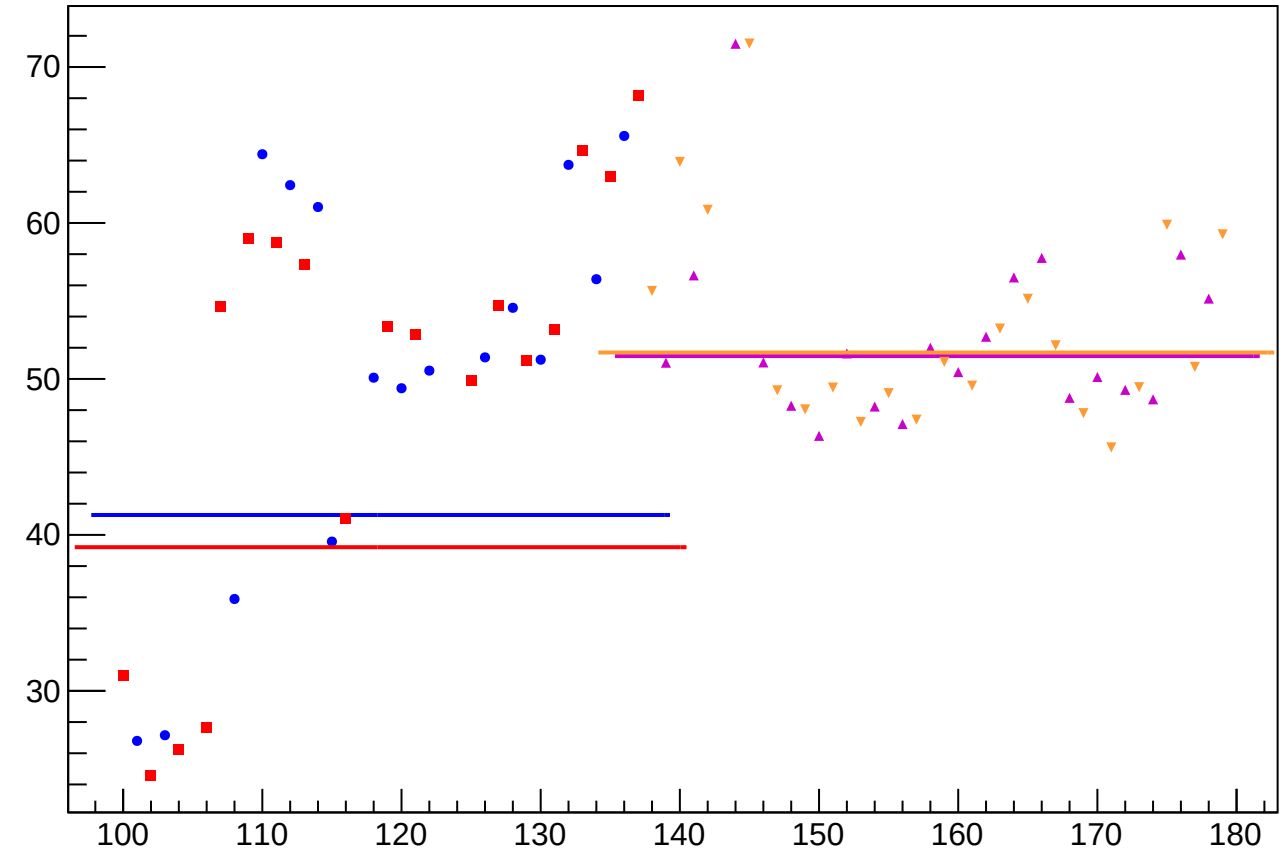
Left: -0.019+/-0.009 χ^2/NDF: 41.6/40

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.010 χ^2/NDF:38.4/35

Out: 0.003+/-0.010 χ^2/NDF:33.9/38

All: -0.007+/-0.007 χ^2/NDF: 74.3/74



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.696+/-0.009 χ^2/NDF:363239.9/20

Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.467+/-0.009 χ^2/NDF:265015.7/19

Left: 51.582+/-0.006 χ^2/NDF: 628568.7/40

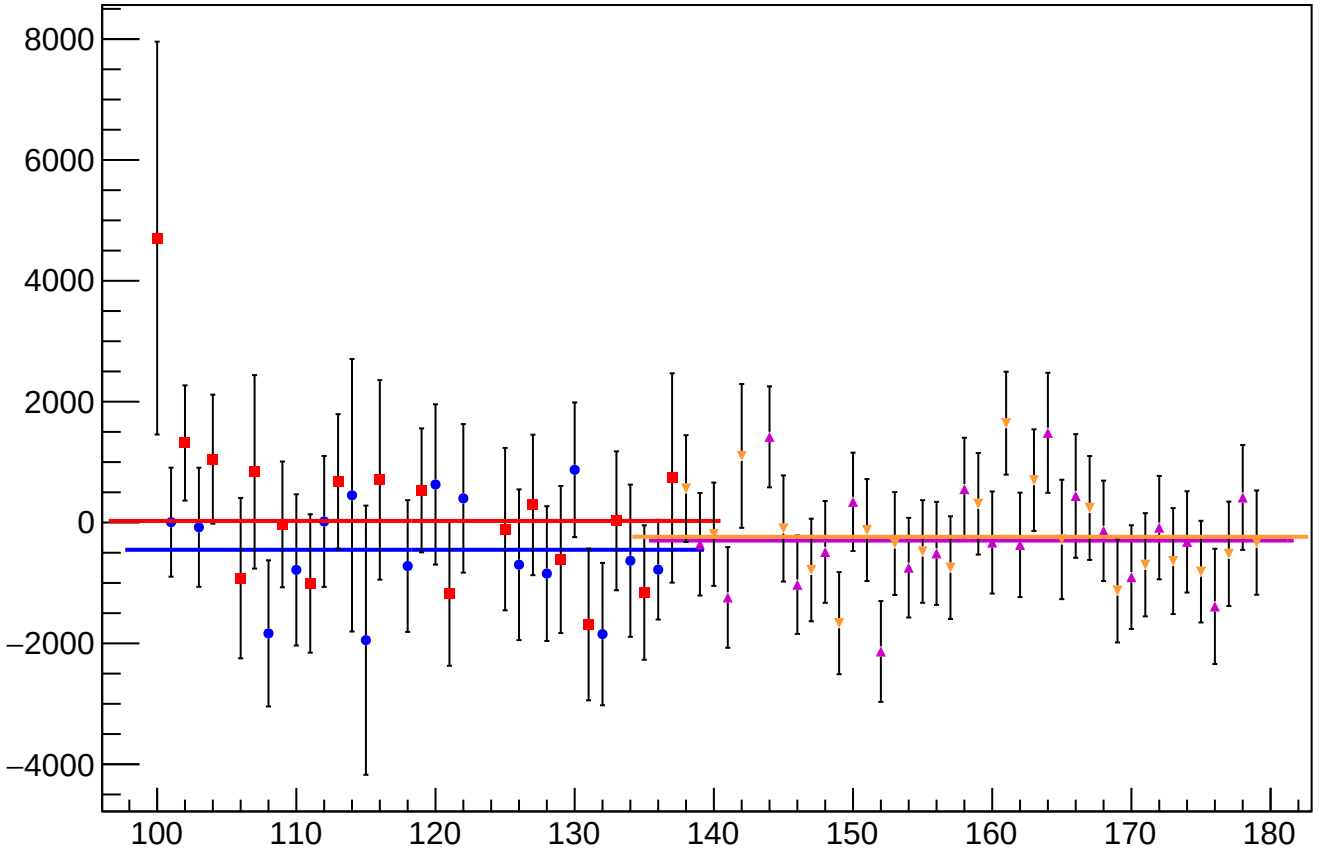
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.579+/-0.007 χ^2/NDF:2240552.4/35

Out: 46.674+/-0.007 χ^2/NDF:2935764.6/38

All: 47.116+/-0.005 χ^2/NDF: 5184347.2/74

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -298.051+/-192.106 χ^2/NDF:19.5/19

Left: -266.547+/-135.073 χ^2/NDF: 34.4/40

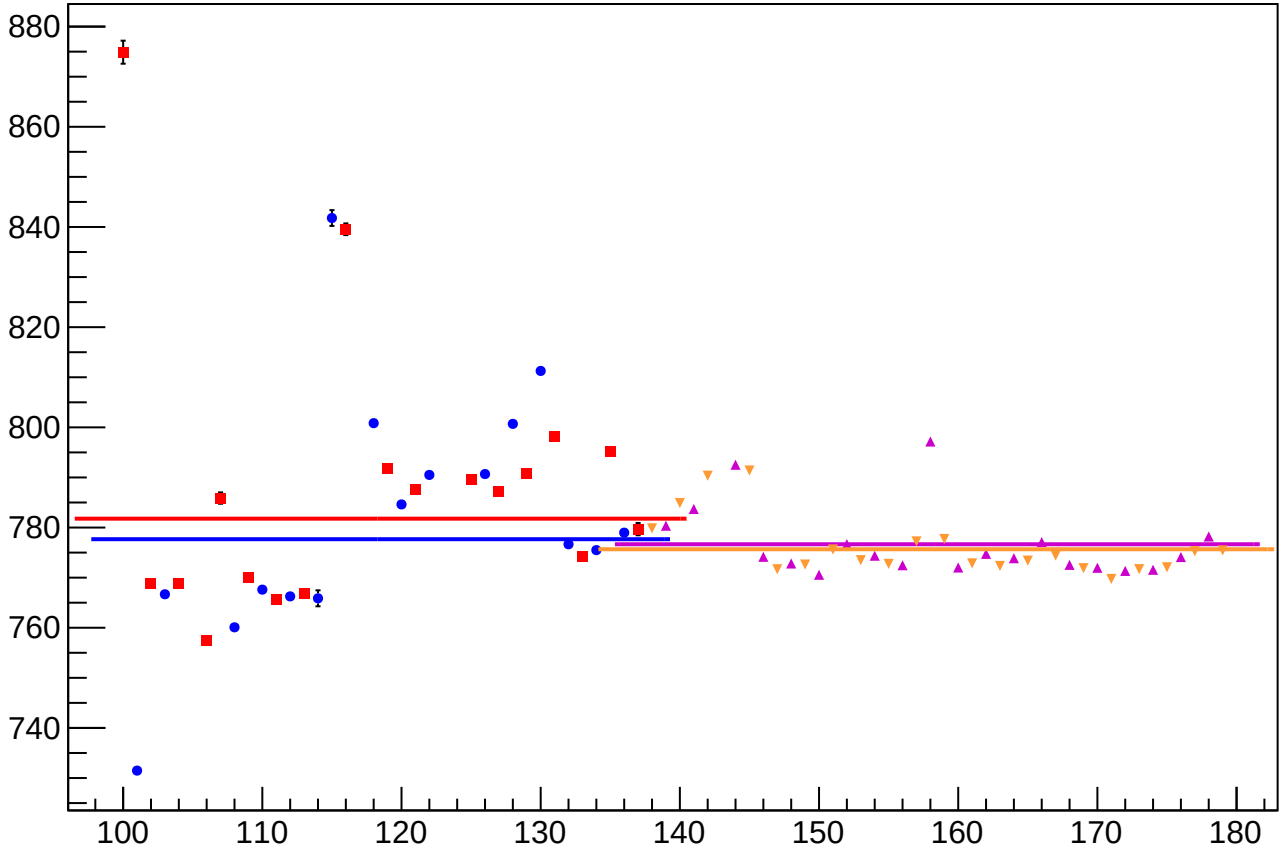
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -344.919+/-159.977 χ^2/NDF:26.7/35

Out: -156.397+/-158.583 χ^2/NDF:27.1/38

All: -249.834+/-112.625 χ^2/NDF: 54.5/74

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

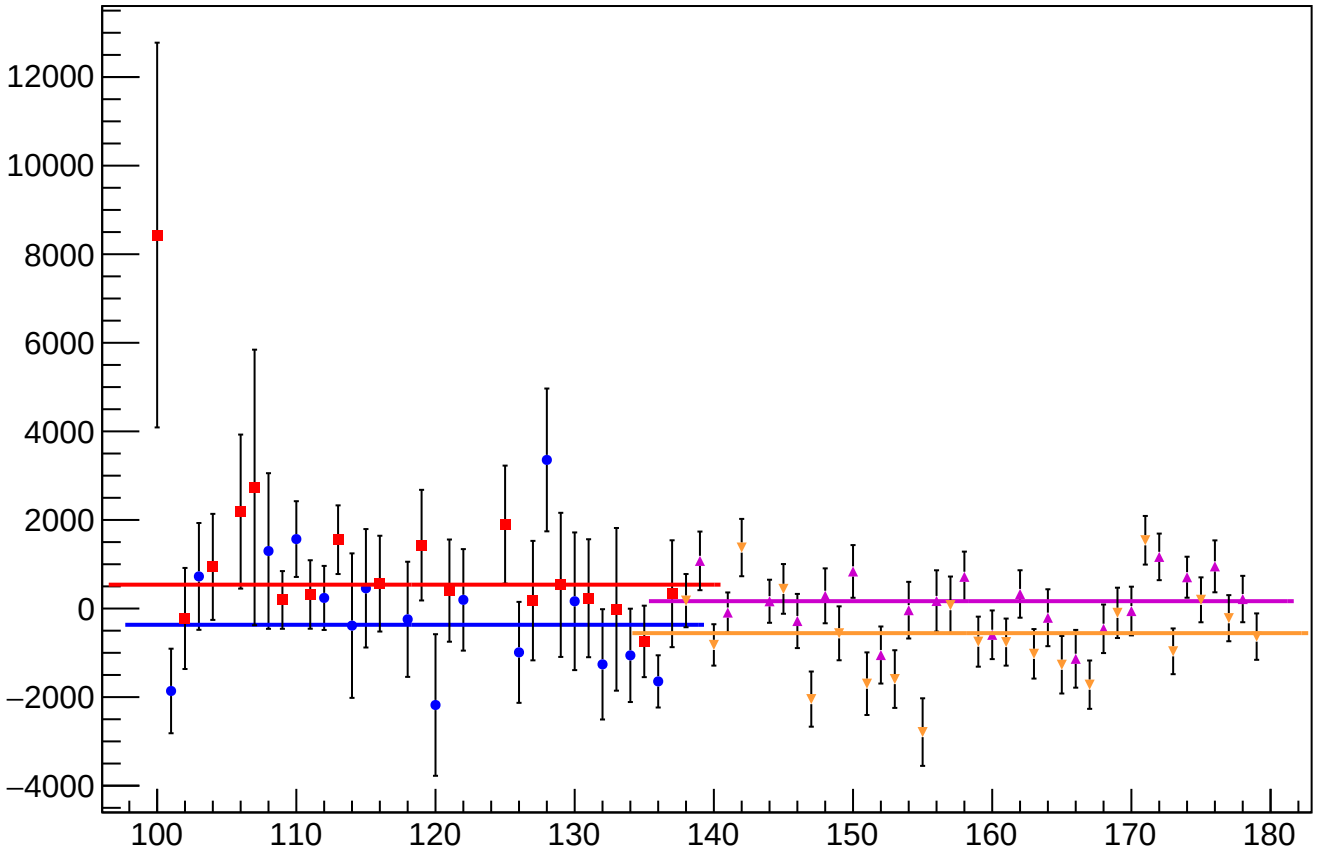
Left: 776.161+/-0.096 χ^2/NDF: 4332.5/40

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 776.976+/-0.113 χ^2/NDF:14746.9/35

Out: 777.518+/-0.112 χ^2/NDF:9883.9/38

All: 777.249+/-0.080 χ^2/NDF: 24642.3/74



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 166.219+/-126.447 χ^2/NDF:23.2/19

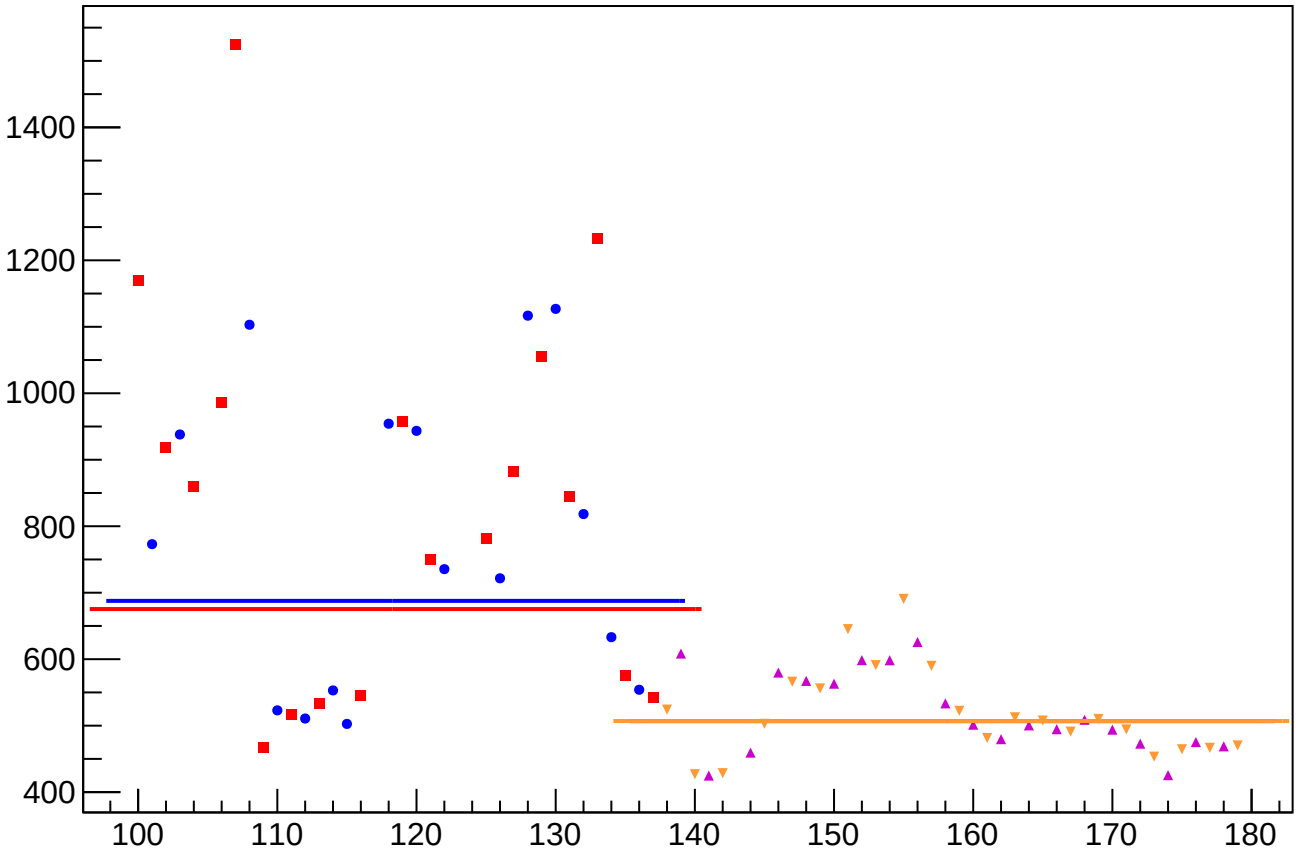
Left: -197.856+/-89.018 χ^2/NDF: 99.2/40

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 68.354+/-114.256 χ^2/NDF:49.8/35

Out: -352.899+/-113.142 χ^2/NDF:85.3/38

All: -144.336+/-80.394 χ^2/NDF: 141.9/74



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

Left: 506.866+/-0.063 χ^2/NDF: 881523.0/40

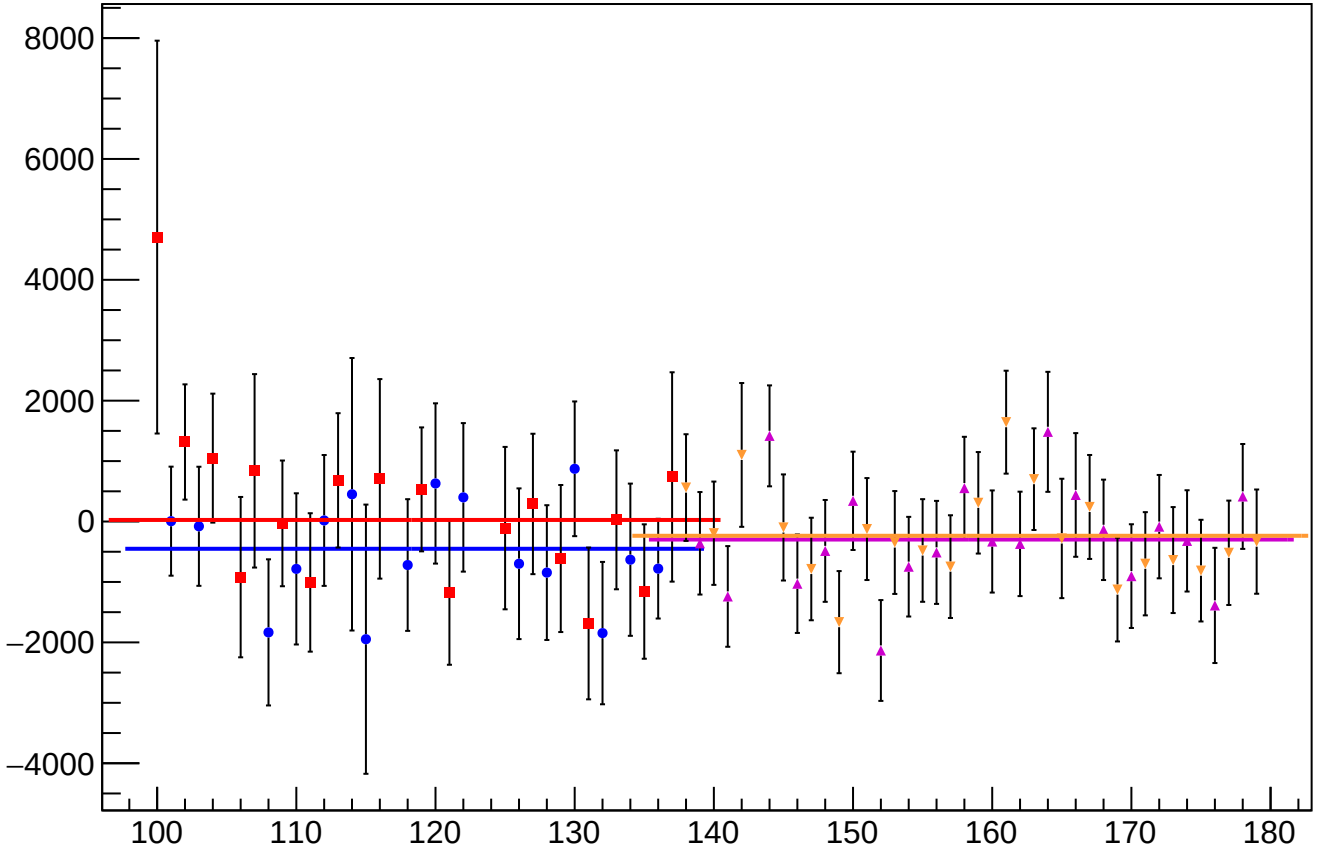
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 539.996+/-0.081 χ^2/NDF:2218720.1/35

Out: 538.141+/-0.080 χ^2/NDF:2428359.0/38

All: 539.060+/-0.057 χ^2/NDF: 4647345.3/74

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -298.051+/-192.106 χ^2/NDF:19.5/19

Left: -266.547+/-135.073 χ^2/NDF: 34.4/40

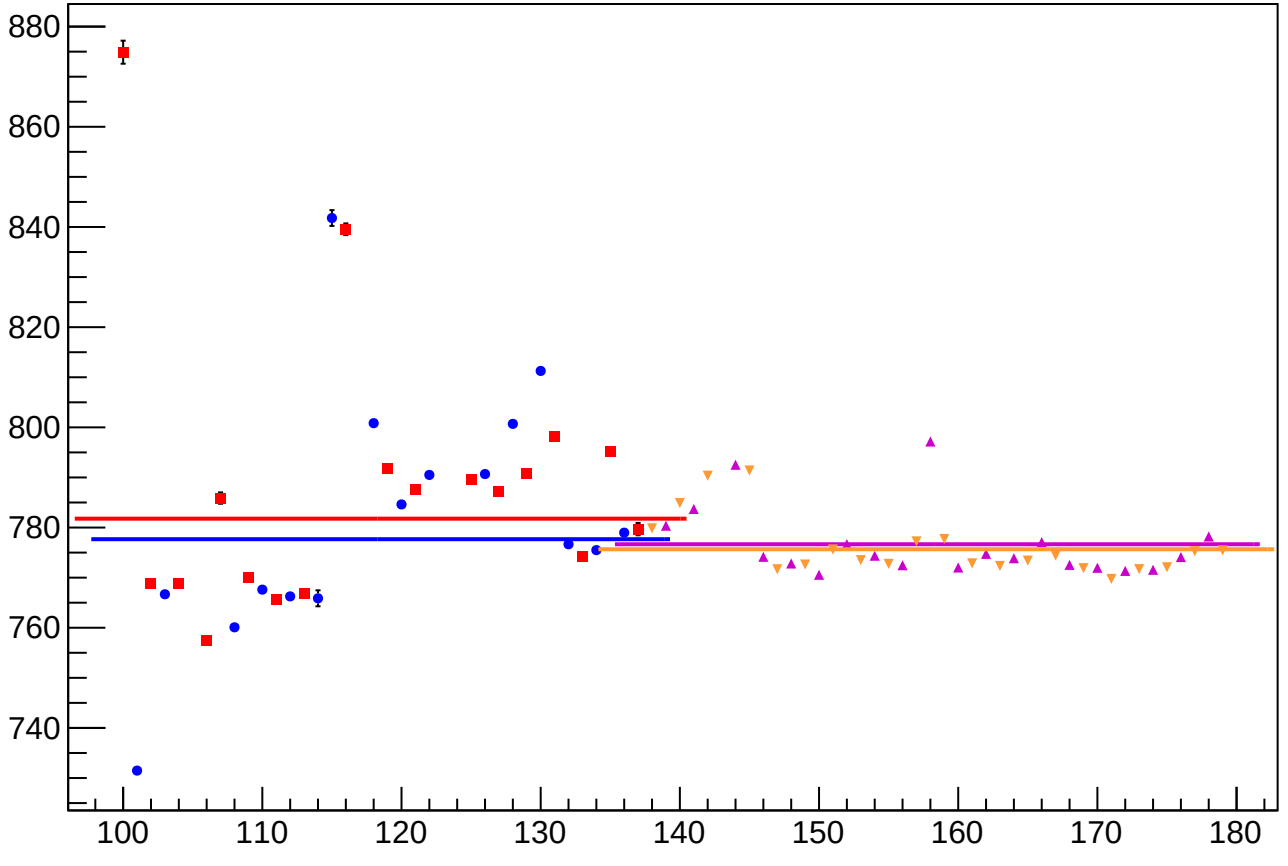
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -344.919+/-159.977 χ^2/NDF:26.7/35

Out: -156.397+/-158.583 χ^2/NDF:27.1/38

All: -249.834+/-112.625 χ^2/NDF: 54.5/74

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

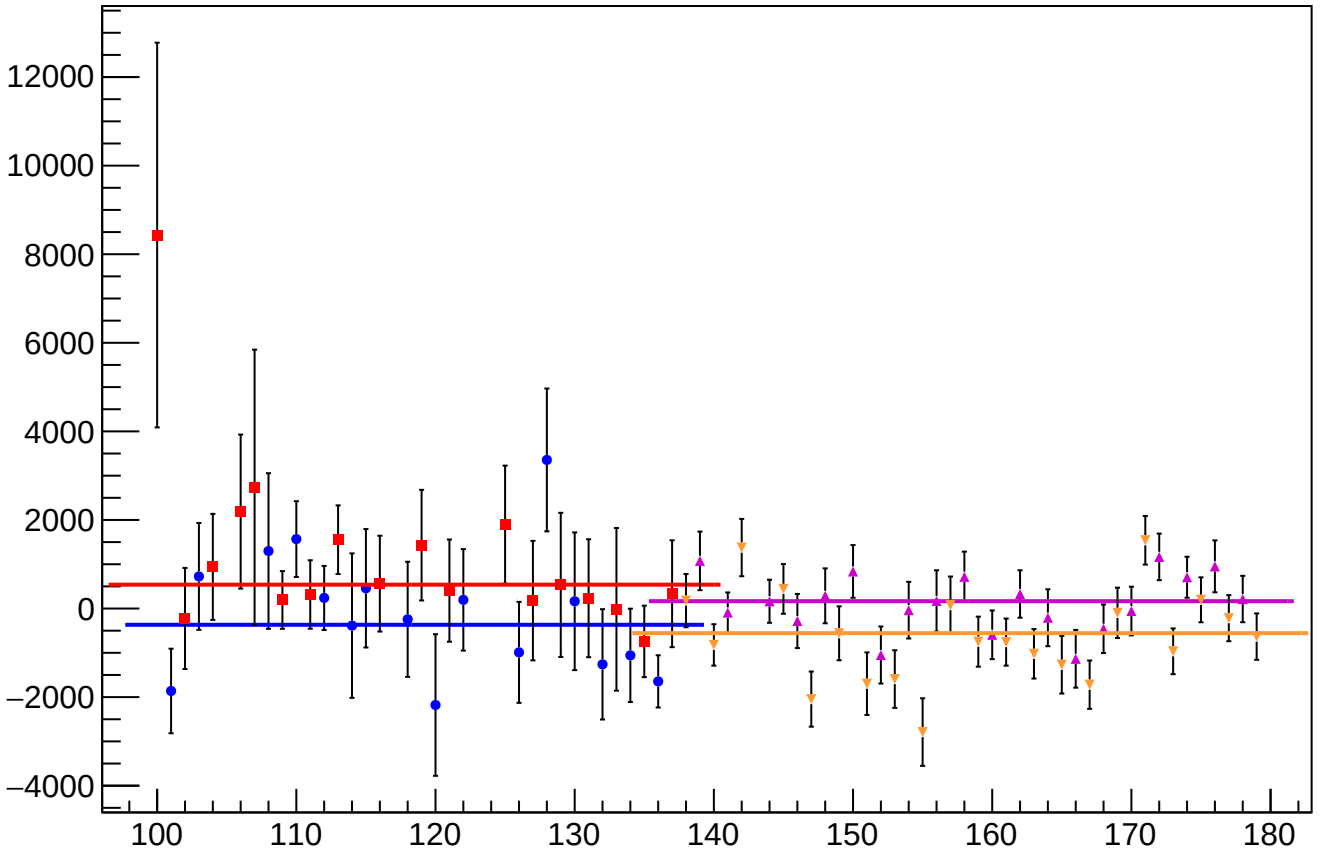
Left: 776.161+/-0.096 χ^2/NDF: 4332.5/40

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 776.976+/-0.113 χ^2/NDF:14746.9/35

Out: 777.518+/-0.112 χ^2/NDF:9883.9/38

All: 777.249+/-0.080 χ^2/NDF: 24642.3/74



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 166.219+/-126.447 χ^2/NDF:23.2/19

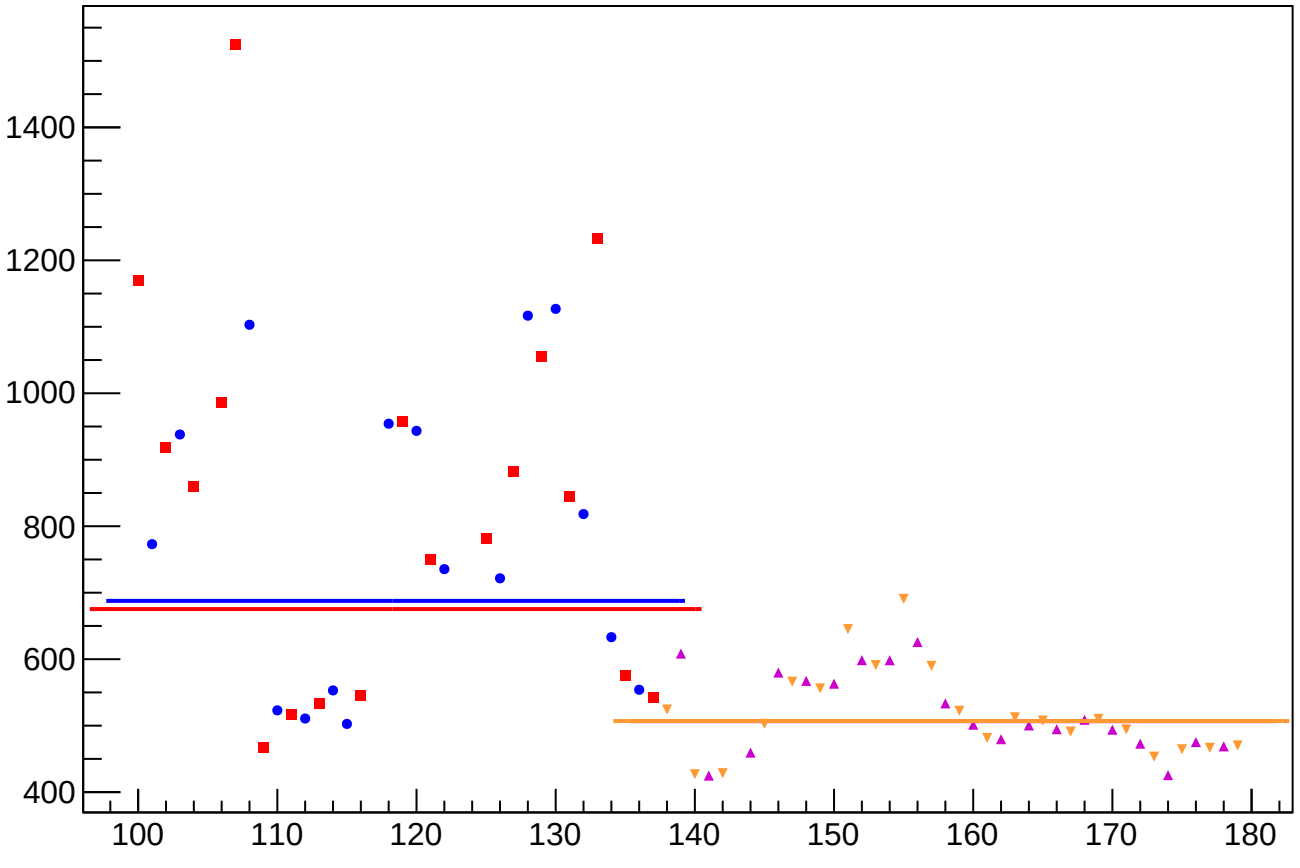
Left: -197.856+/-89.018 χ^2/NDF: 99.2/40

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 68.354+/-114.256 χ^2/NDF:49.8/35

Out: -352.899+/-113.142 χ^2/NDF:85.3/38

All: -144.336+/-80.394 χ^2/NDF: 141.9/74



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

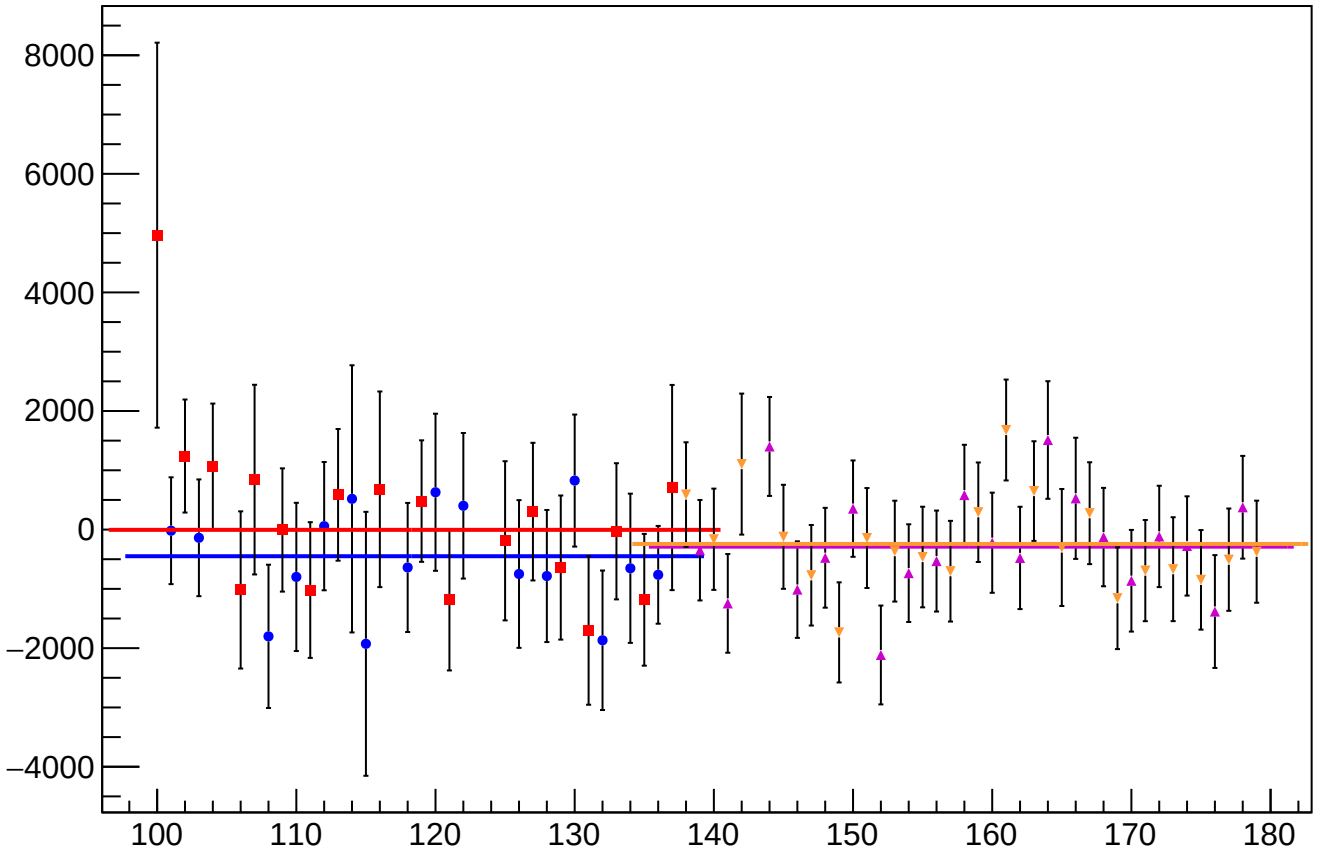
Left: 506.866+/-0.063 χ^2/NDF: 881523.0/40

Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 539.996+/-0.081 χ^2/NDF:2218720.1/35

Out: 538.141+/-0.080 χ^2/NDF:2428359.0/38

All: 539.060+/-0.057 χ^2/NDF: 4647345.3/74



Right In: -449.430+/-288.668 χ^2/NDF: 6.8/15

Left Out: -242.333+/-189.760 χ^2/NDF:15.4/20

Right Out: -4.645+/-287.815 χ^2/NDF: 11.8/17

Left In: -288.240+/-191.914 χ^2/NDF:19.5/19

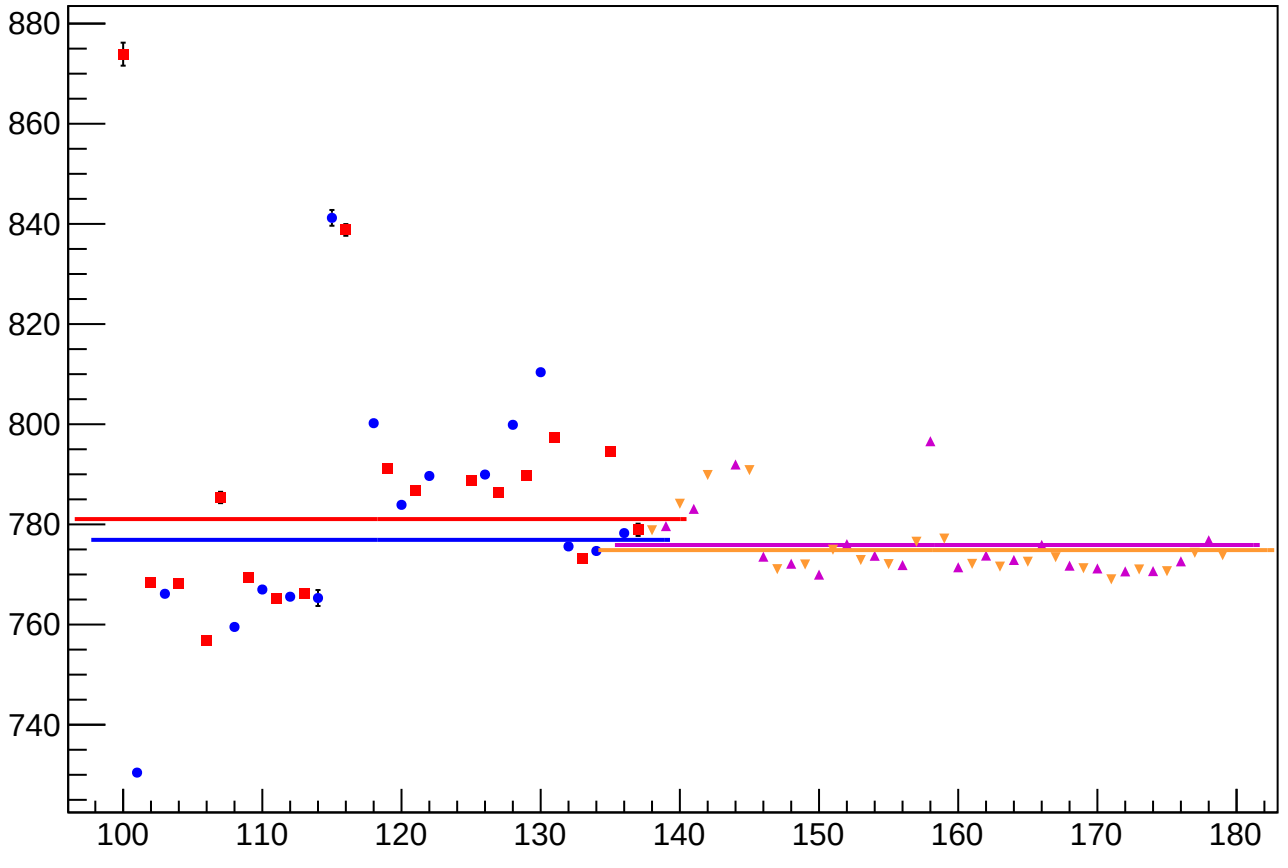
Left: -265.028+/-134.935 χ^2/NDF: 35.0/40

Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -337.648+/-159.818 χ^2/NDF:26.5/35

Out: -170.317+/-158.425 χ^2/NDF:27.7/38

All: -253.250+/-112.513 χ^2/NDF: 54.8/74



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

Left Out: 774.866+/-0.134 χ^2/NDF:1664.8/20

Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 775.888+/-0.136 χ^2/NDF:2719.6/19

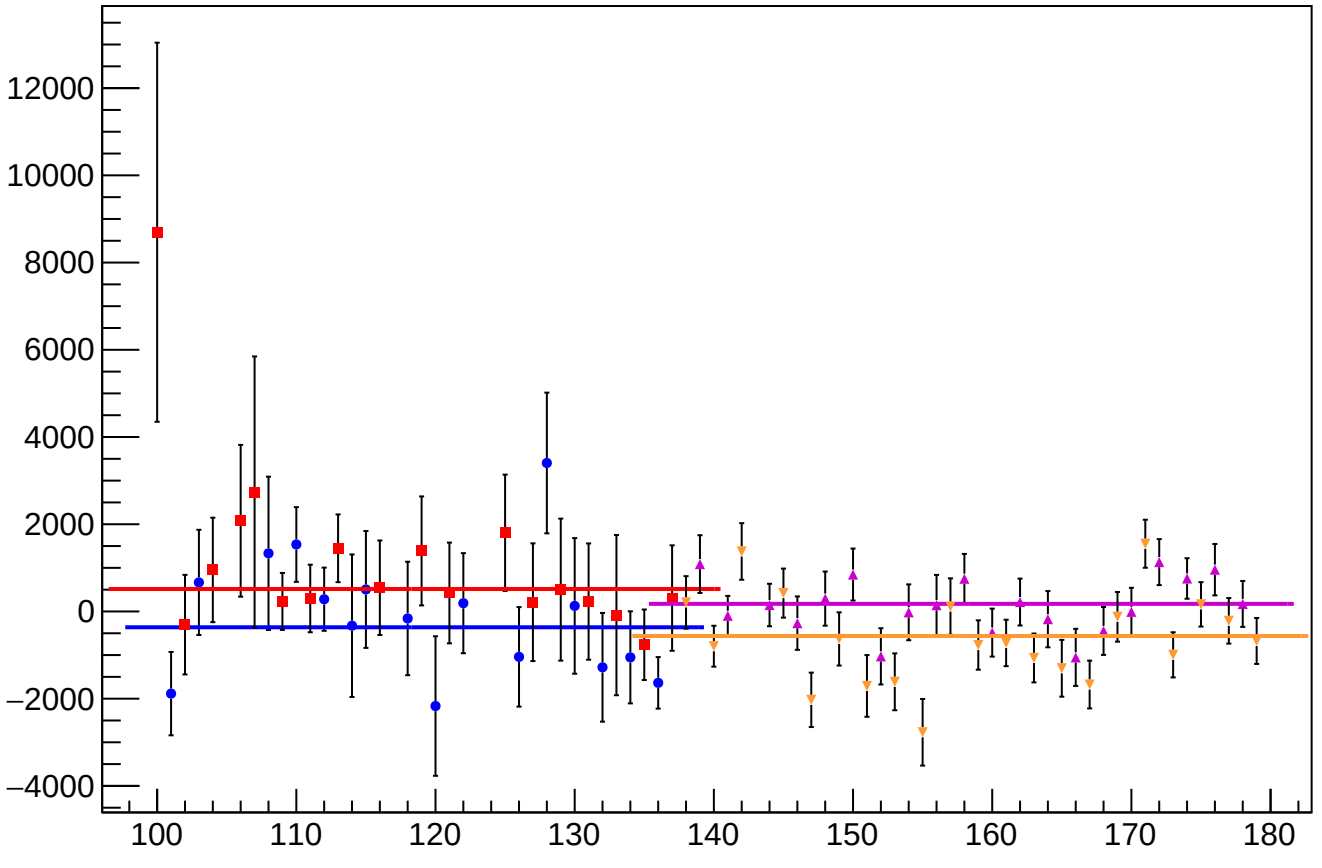
Left: 775.371+/-0.095 χ^2/NDF: 4413.1/40

Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 776.202+/-0.113 χ^2/NDF:14860.7/35

Out: 776.743+/-0.112 χ^2/NDF:9896.4/38

All: 776.475+/-0.080 χ^2/NDF: 24768.7/74



Right In: -362.811+/-267.086 χ^2/NDF: 23.4/15

Left Out: -562.509+/-125.672 χ^2/NDF:59.1/20

Right Out: 515.295+/-263.302 χ^2/NDF: 11.4/17

Left In: 174.275+/-126.773 χ^2/NDF:22.0/19

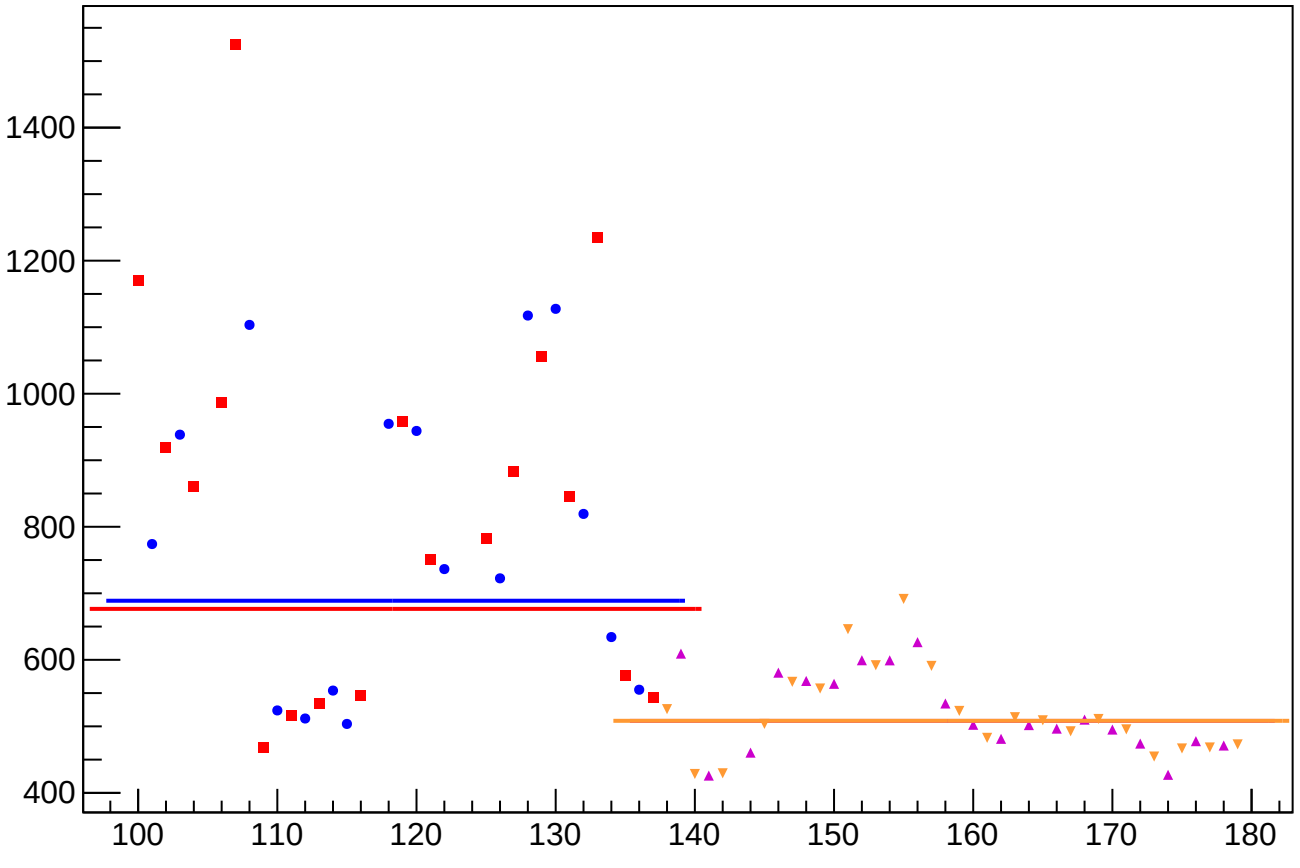
Left: -197.328+/-89.250 χ^2/NDF: 98.1/40

Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: 75.522+/-114.526 χ^2/NDF:48.6/35

Out: -362.531+/-113.416 χ^2/NDF:84.1/38

All: -145.639+/-80.587 χ^2/NDF: 140.1/74



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

Left Out: 508.331+/-0.089 χ^2/NDF:440696.0/20

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

Left In: 508.147+/-0.090 χ^2/NDF:429741.5/19

Left: 508.239+/-0.063 χ^2/NDF: 870439.6/40

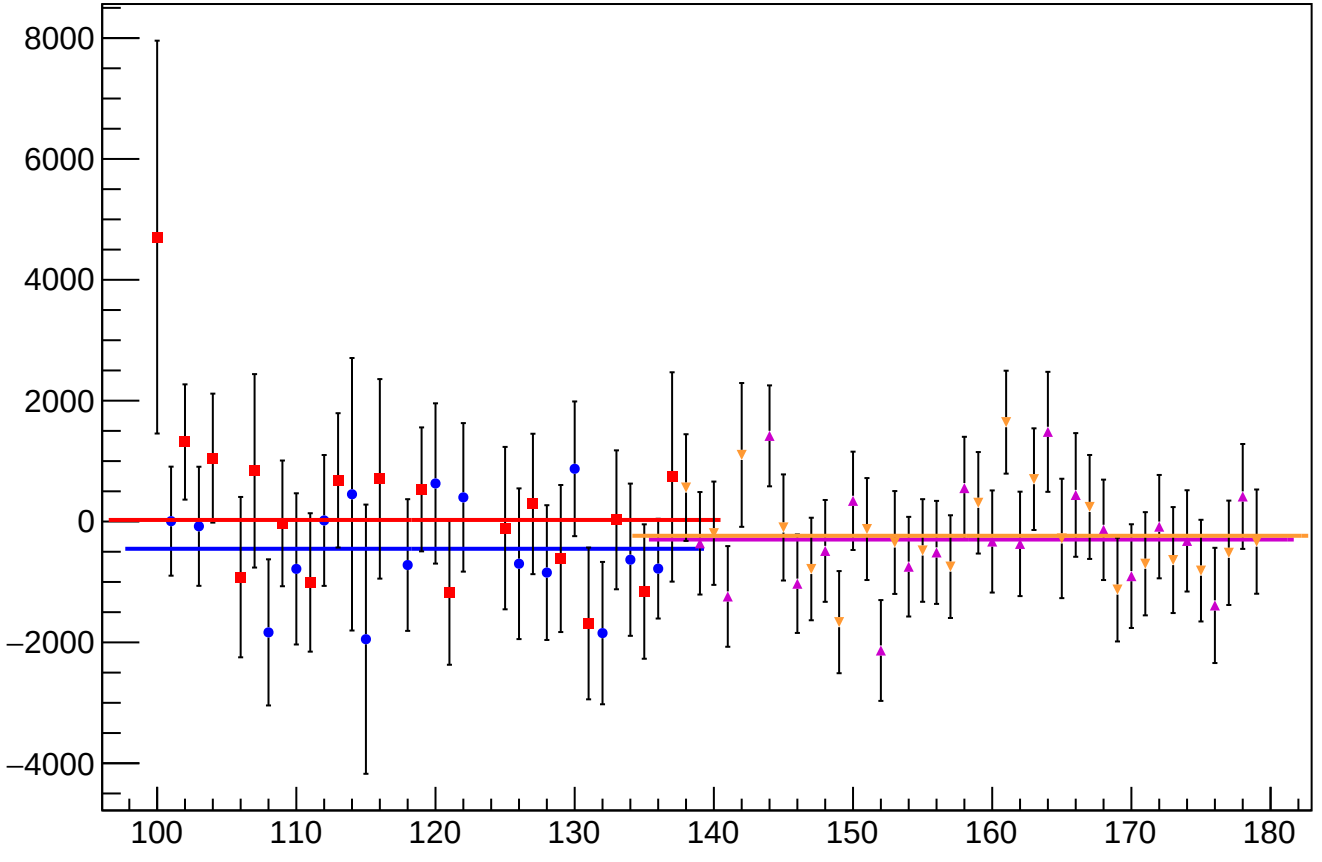
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 541.369+/-0.081 χ^2/NDF:2204854.3/35

Out: 539.546+/-0.080 χ^2/NDF:2413785.7/38

All: 540.449+/-0.057 χ^2/NDF: 4618895.7/74

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -235.744+/-189.955 χ^2/NDF:14.9/20

Right Out: 26.099+/-288.079 χ^2/NDF: 11.7/17

Left In: -298.051+/-192.106 χ^2/NDF:19.5/19

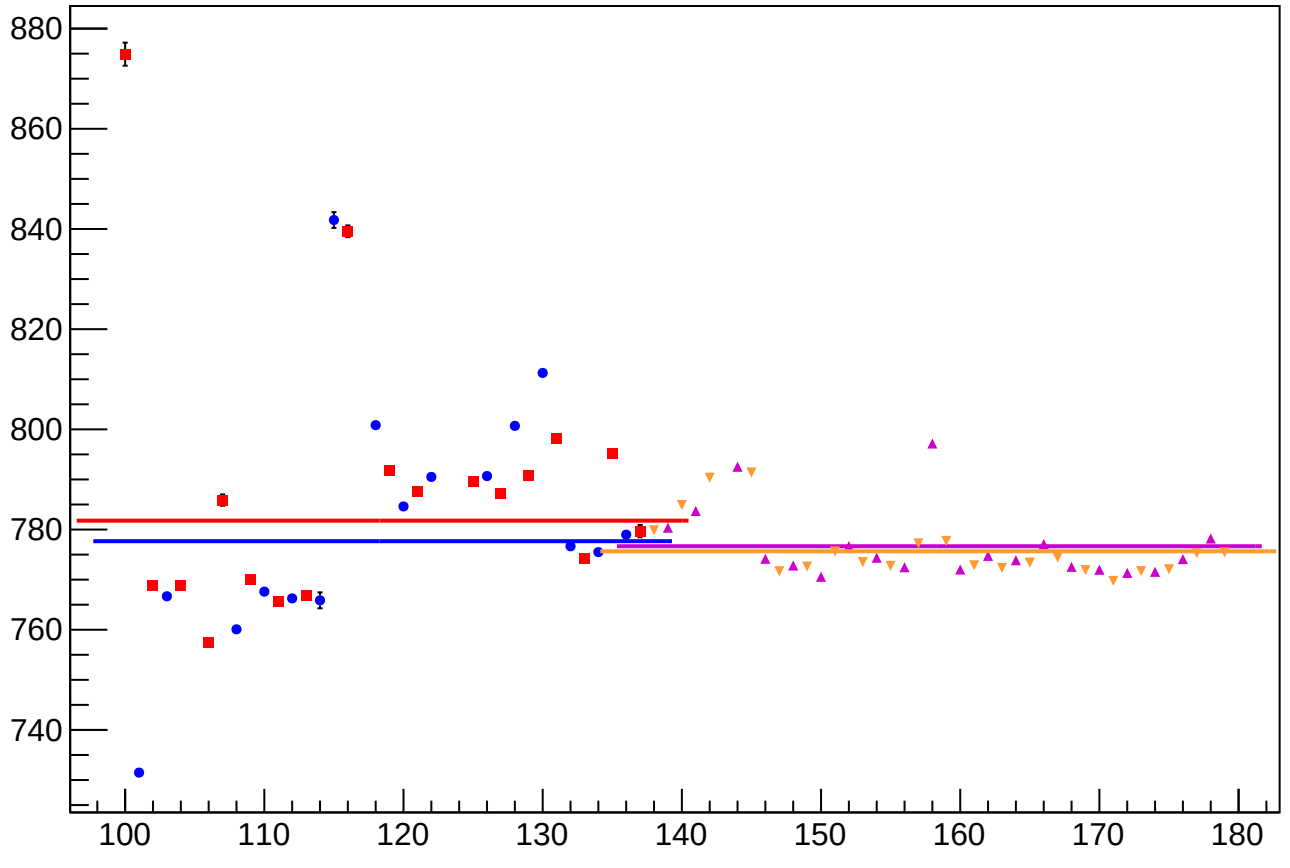
Left: -266.547+/-135.073 χ^2/NDF: 34.4/40

Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -344.919+/-159.977 χ^2/NDF:26.7/35

Out: -156.397+/-158.583 χ^2/NDF:27.1/38

All: -249.834+/-112.625 χ^2/NDF: 54.5/74



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 775.667+/-0.134 χ^2/NDF:1630.5/20

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 776.667+/-0.136 χ^2/NDF:2674.6/19

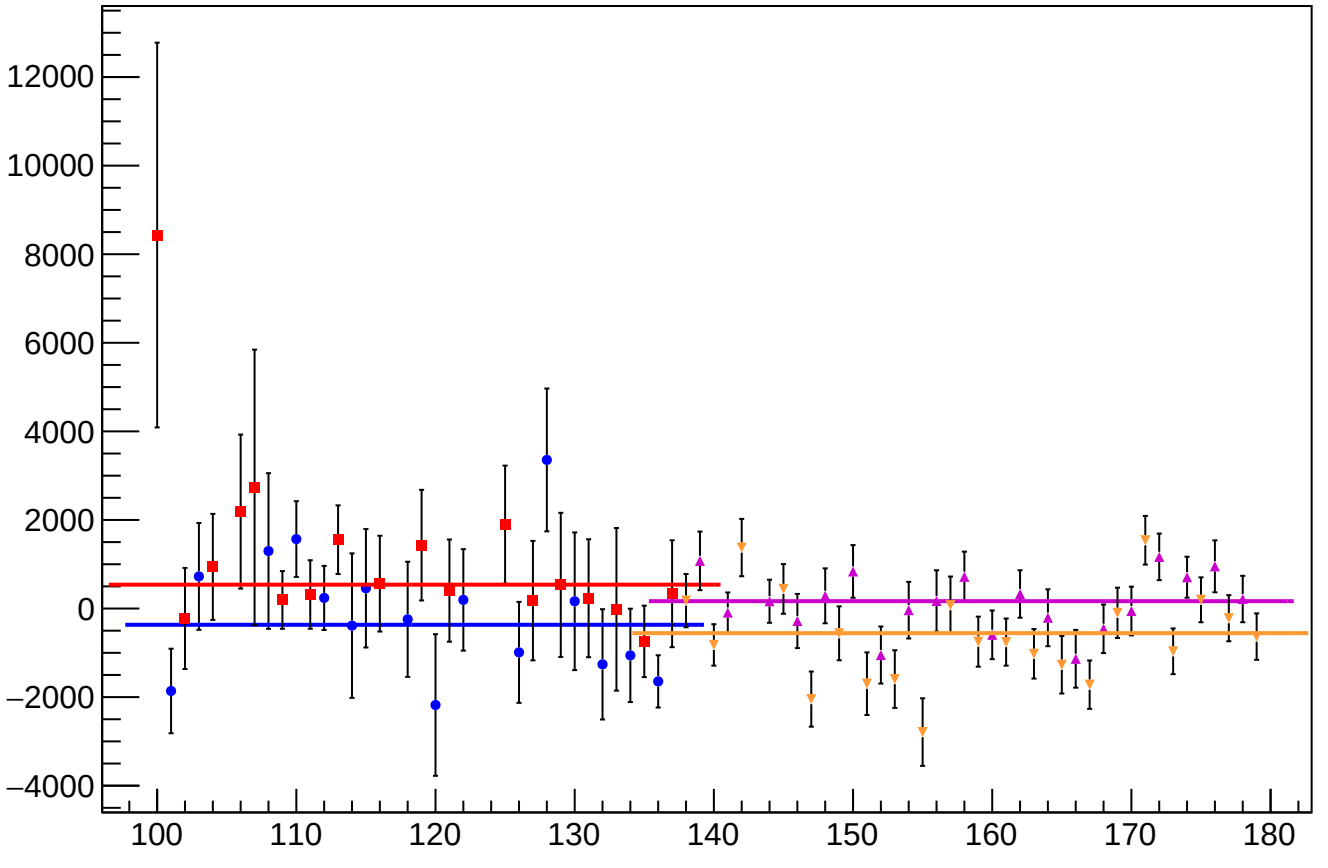
Left: 776.161+/-0.096 χ^2/NDF: 4332.5/40

Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 776.976+/-0.113 χ^2/NDF:14746.9/35

Out: 777.518+/-0.112 χ^2/NDF:9883.9/38

All: 777.249+/-0.080 χ^2/NDF: 24642.3/74



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -555.599+/-125.342 χ^2/NDF:59.5/20

Right Out: 538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 166.219+/-126.447 χ^2/NDF:23.2/19

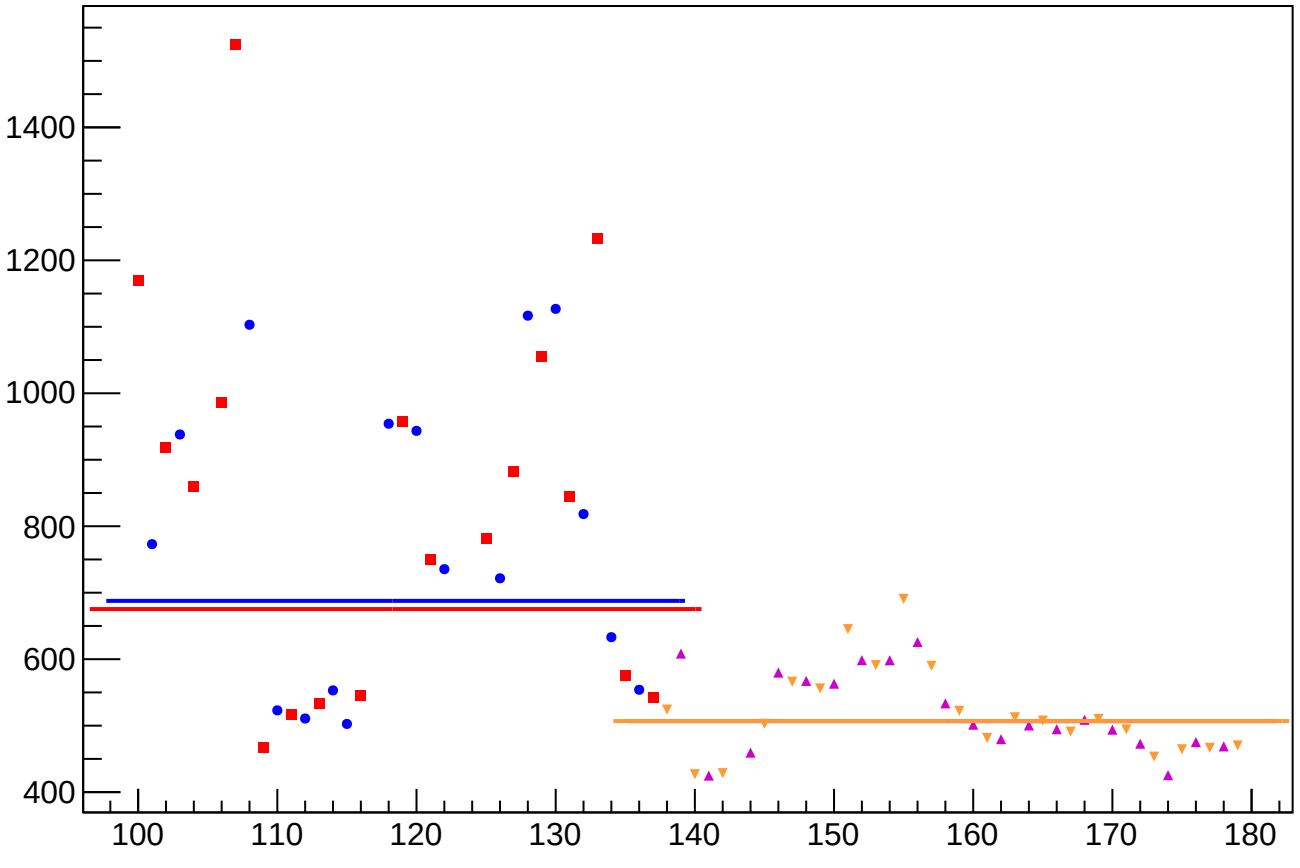
Left: -197.856+/-89.018 χ^2/NDF: 99.2/40

Right: 92.424+/-187.229 χ^2/NDF: 40.8/33

In: 68.354+/-114.256 χ^2/NDF:49.8/35

Out: -352.899+/-113.142 χ^2/NDF:85.3/38

All: -144.336+/-80.394 χ^2/NDF: 141.9/74



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 506.941+/-0.089 χ^2/NDF:446216.6/20

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 506.790+/-0.089 χ^2/NDF:435305.0/19

Left: 506.866+/-0.063 χ^2/NDF: 881523.0/40

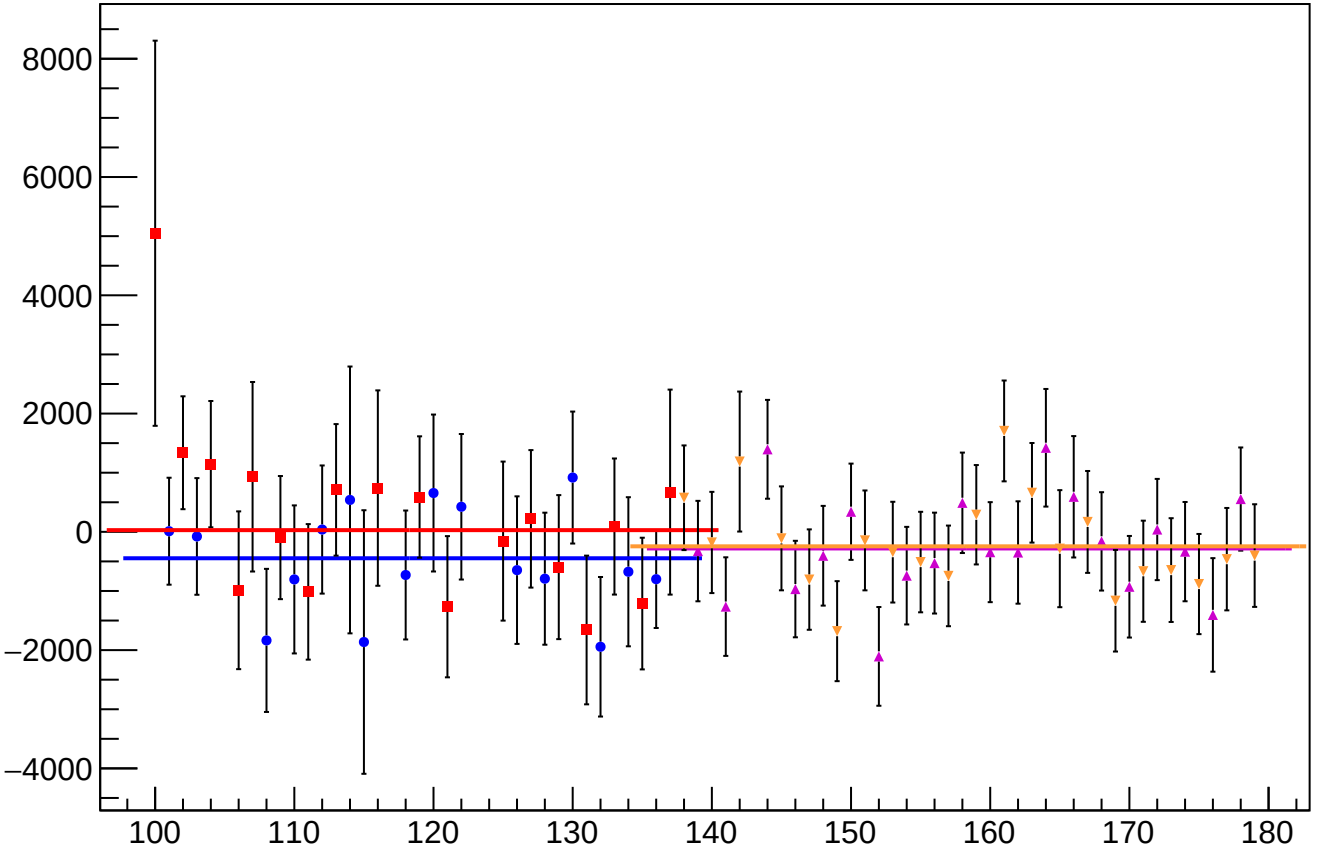
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 539.996+/-0.081 χ^2/NDF:2218720.1/35

Out: 538.141+/-0.080 χ^2/NDF:2428359.0/38

All: 539.060+/-0.057 χ^2/NDF: 4647345.3/74

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -244.949+/-190.239 χ^2/NDF:15.4/20

Right Out: 28.787+/-288.372 χ^2/NDF: 12.6/17

Left In: -280.919+/-192.382 χ^2/NDF:19.4/19

Left: -262.733+/-135.271 χ^2/NDF: 34.9/40

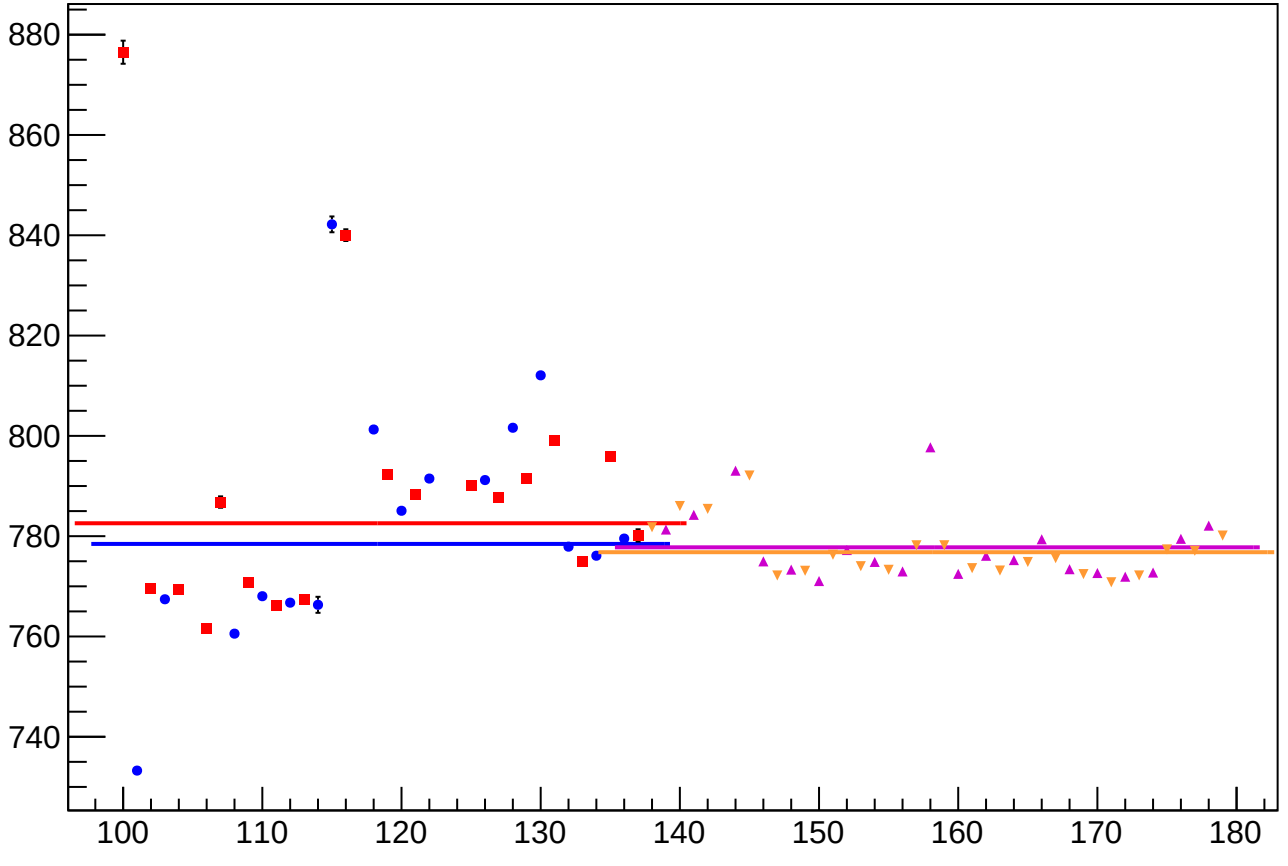
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -331.753+/-160.185 χ^2/NDF:26.9/35

Out: -161.943+/-158.797 χ^2/NDF:28.7/38

All: -246.109+/-112.774 χ^2/NDF: 56.2/74

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 776.805+/-0.135 χ^2/NDF:1485.5/20

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.779+/-0.136 χ^2/NDF:2682.9/19

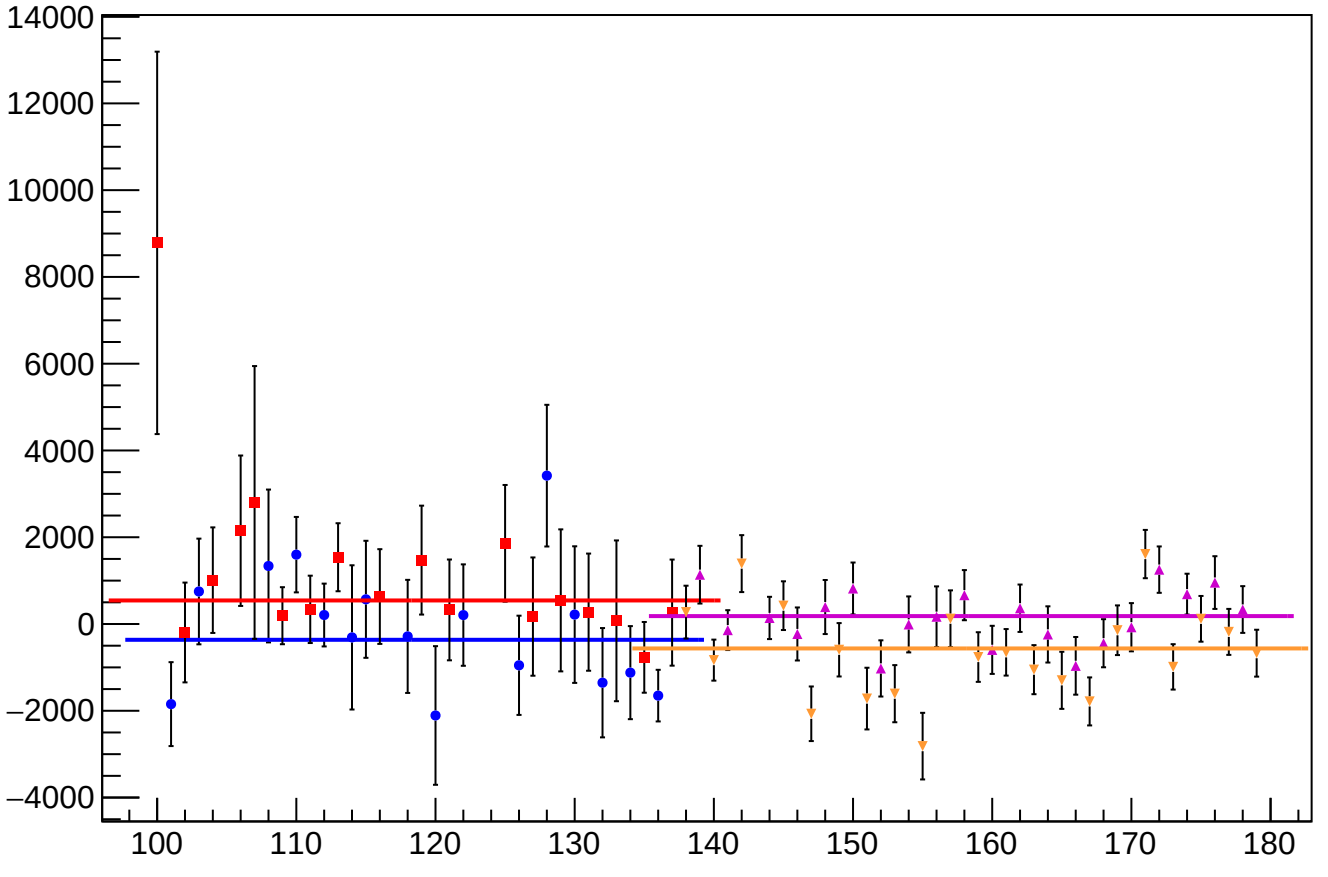
Left: 777.286+/-0.096 χ^2/NDF: 4194.3/40

Right: 780.522+/-0.144 χ^2/NDF: 19480.1/33

In: 777.986+/-0.113 χ^2/NDF:14485.7/35

Out: 778.555+/-0.112 χ^2/NDF:9524.9/38

All: 778.273+/-0.080 χ^2/NDF: 24023.3/74



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

Left Out: -563.266+/-127.085 χ^2/NDF:60.5/20

Right Out: 542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: 182.377+/-128.023 χ^2/NDF:22.4/19

Left: -193.186+/-90.193 χ^2/NDF: 99.9/40

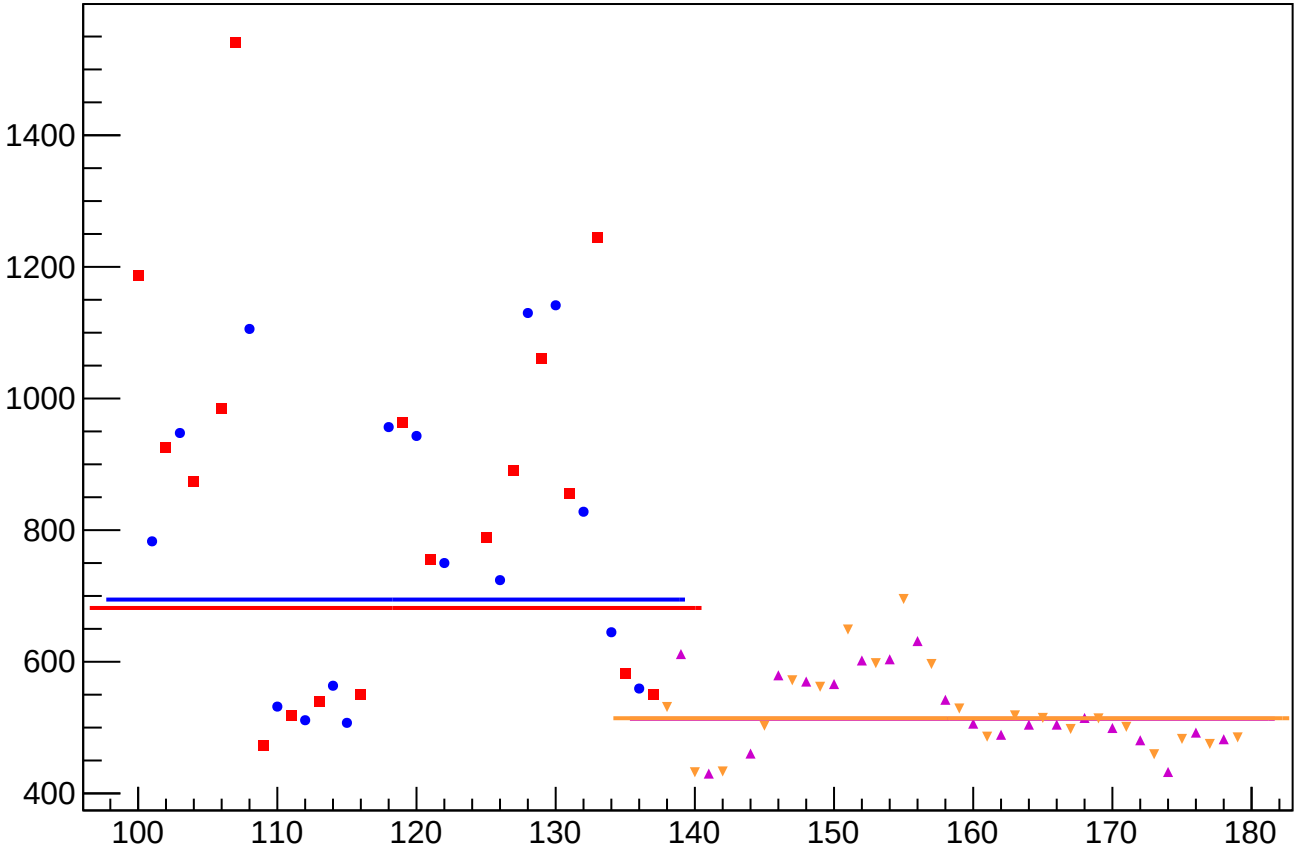
Right: 96.308+/-188.989 χ^2/NDF: 40.8/33

In: 81.672+/-115.624 χ^2/NDF:49.0/35

Out: -356.783+/-114.612 χ^2/NDF:86.4/38

All: -139.483+/-81.398 χ^2/NDF: 142.7/74

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

Left Out: 514.214+/-0.090 χ^2/NDF:424717.7/20

Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 513.392+/-0.091 χ^2/NDF:409090.5/19

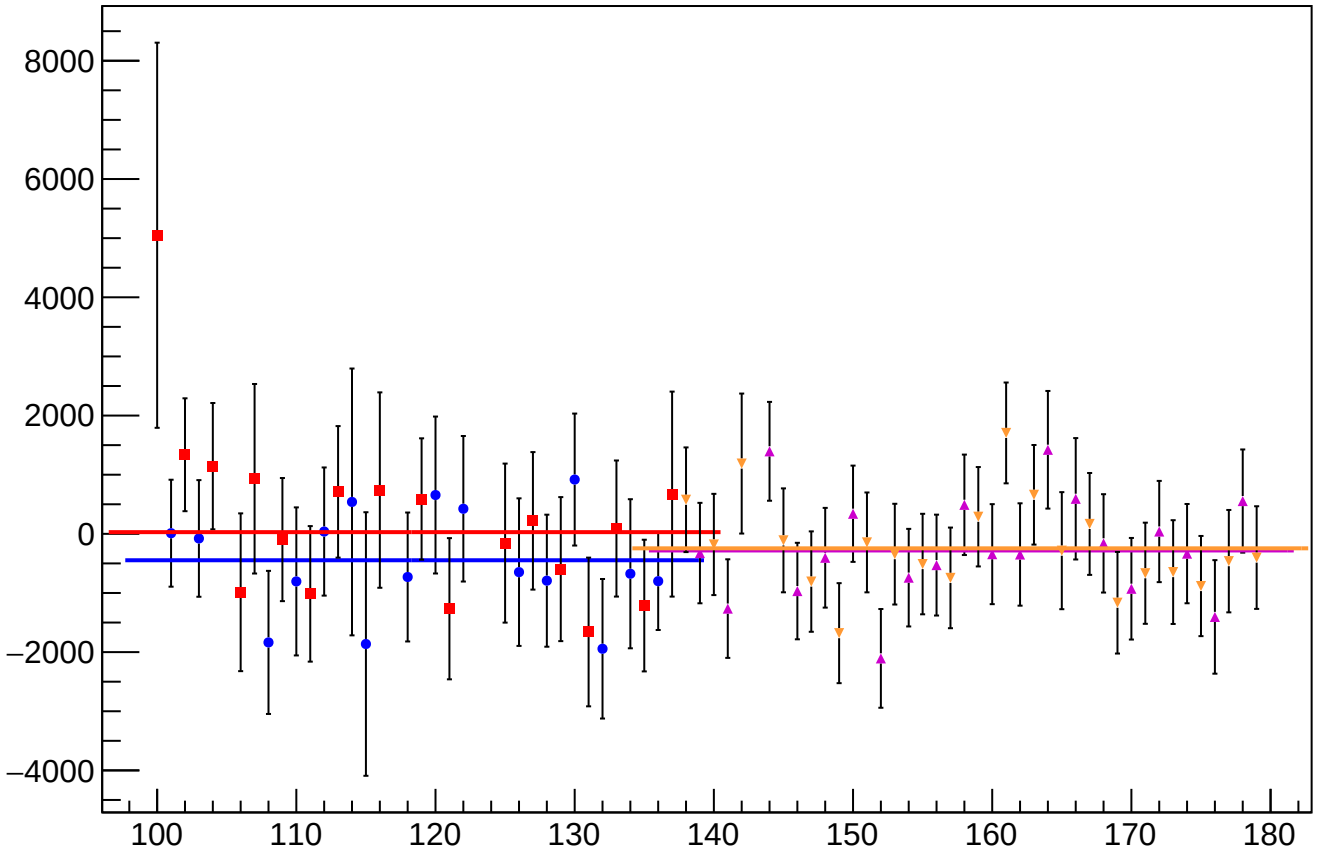
Left: 513.806+/-0.064 χ^2/NDF: 833849.7/40

Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 546.778+/-0.082 χ^2/NDF:2176896.3/35

Out: 545.486+/-0.081 χ^2/NDF:2384816.4/38

All: 546.126+/-0.058 χ^2/NDF: 4561838.5/74



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -244.950+/-190.239 χ^2/NDF:15.4/20

Right Out: 28.786+/-288.372 χ^2/NDF: 12.6/17

Left In: -280.919+/-192.382 χ^2/NDF:19.4/19

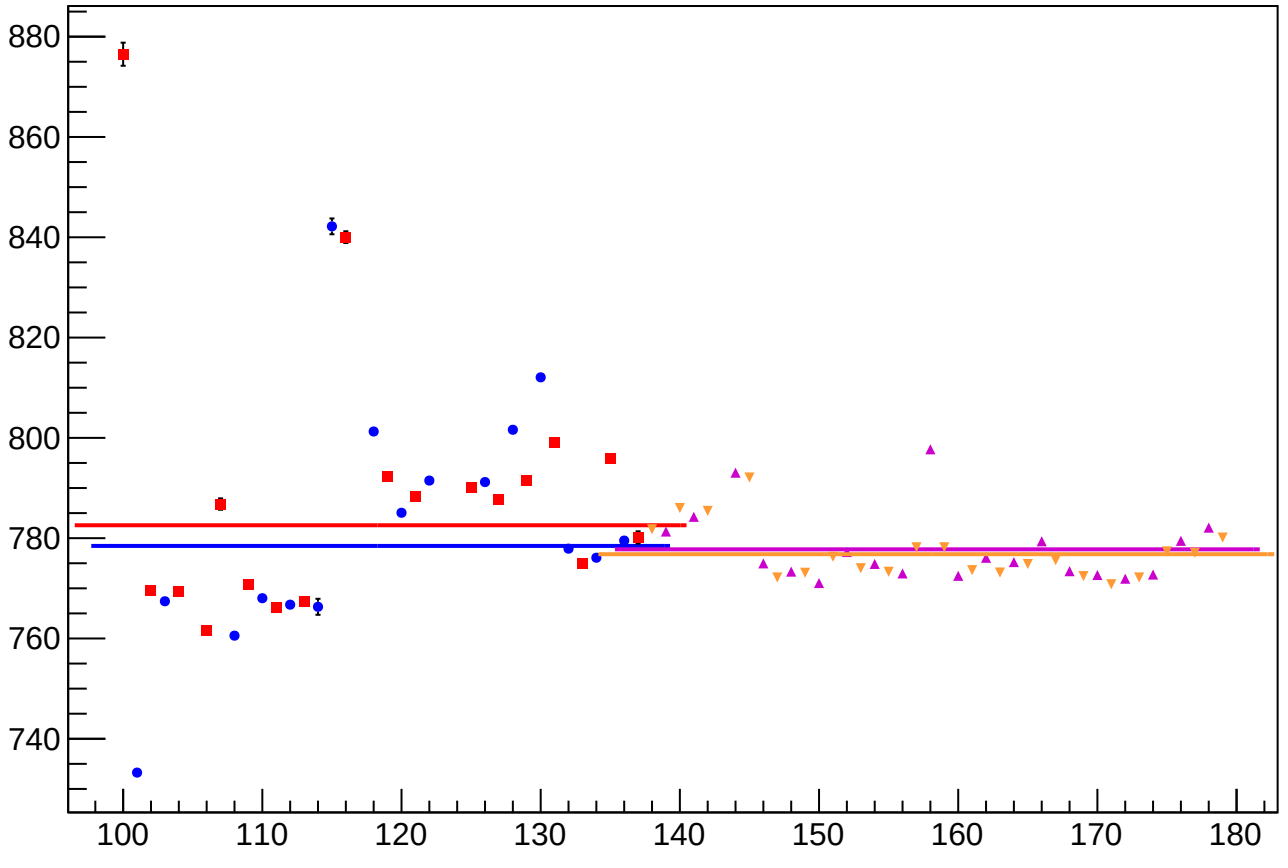
Left: -262.733+/-135.271 χ^2/NDF: 34.9/40

Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -331.753+/-160.185 χ^2/NDF:26.9/35

Out: -161.944+/-158.797 χ^2/NDF:28.7/38

All: -246.110+/-112.774 χ^2/NDF: 56.2/74



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 776.805+/-0.135 χ^2/NDF:1485.5/20

Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 777.779+/-0.136 χ^2/NDF:2682.9/19

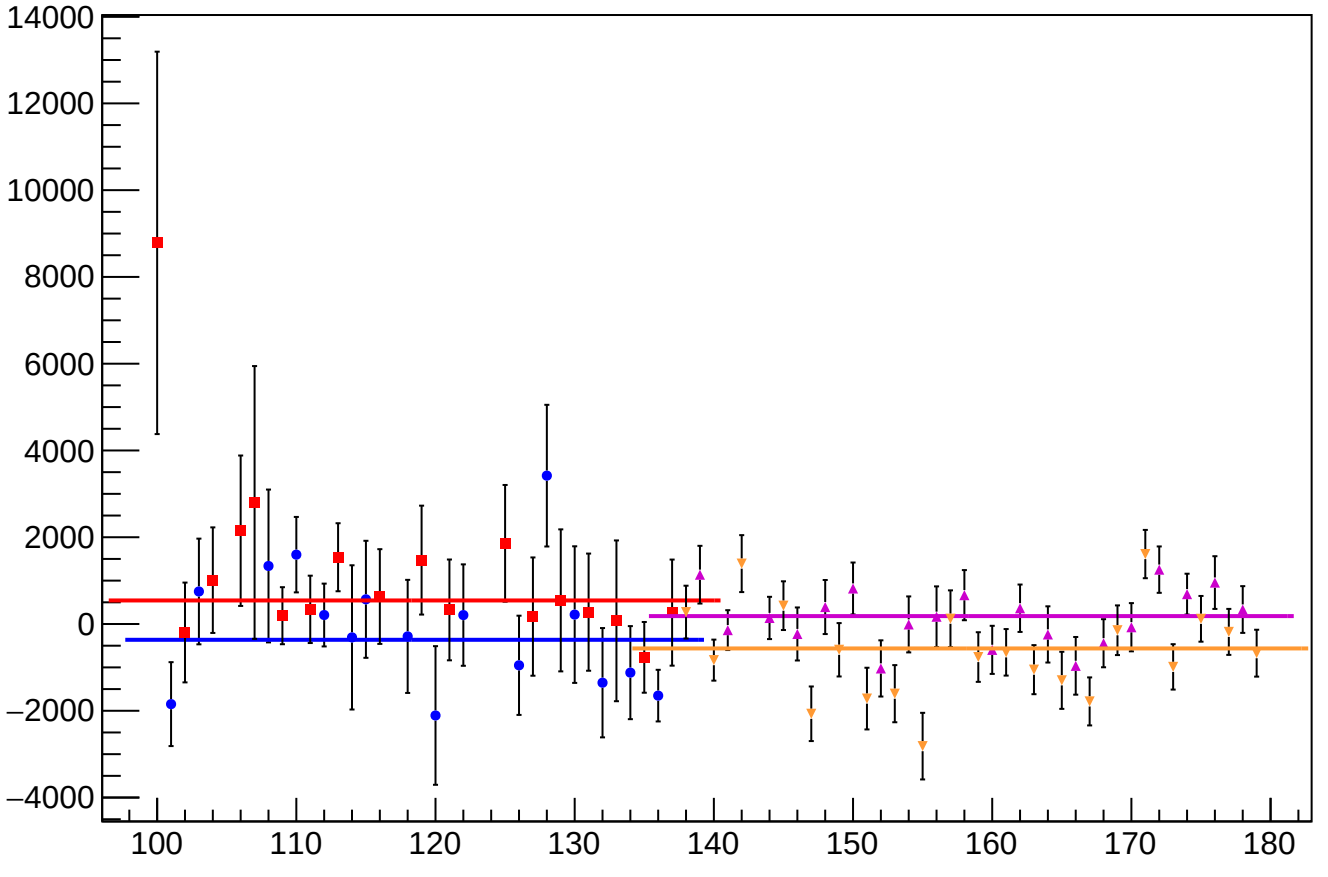
Left: 777.286+/-0.096 χ^2/NDF: 4194.3/40

Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 777.986+/-0.113 χ^2/NDF:14485.7/35

Out: 778.555+/-0.112 χ^2/NDF:9524.9/38

All: 778.273+/-0.080 χ^2/NDF: 24023.3/74



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

Left Out: -563.266+/-127.085 χ^2/NDF:60.5/20

Right Out: 542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: 182.376+/-128.023 χ^2/NDF:22.4/19

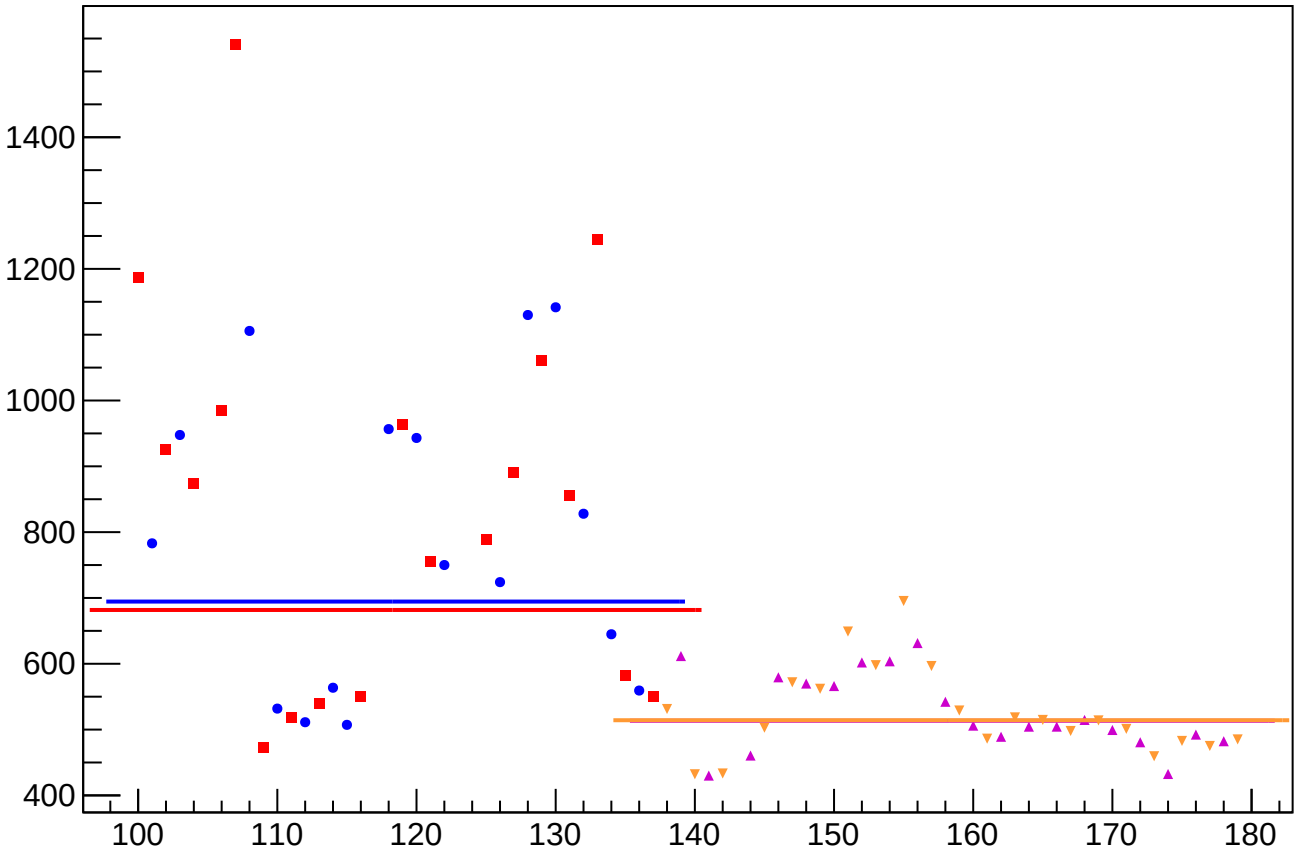
Left: -193.187+/-90.193 χ^2/NDF: 99.9/40

Right: 96.309+/-188.989 χ^2/NDF: 40.8/33

In: 81.672+/-115.624 χ^2/NDF:49.0/35

Out: -356.782+/-114.612 χ^2/NDF:86.4/38

All: -139.483+/-81.398 χ^2/NDF: 142.7/74



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

Left Out: 514.214+/-0.090 χ^2/NDF:424729.5/20

Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

Left In: 513.392+/-0.091 χ^2/NDF:409103.6/19

Left: 513.806+/-0.064 χ^2/NDF: 833874.6/40

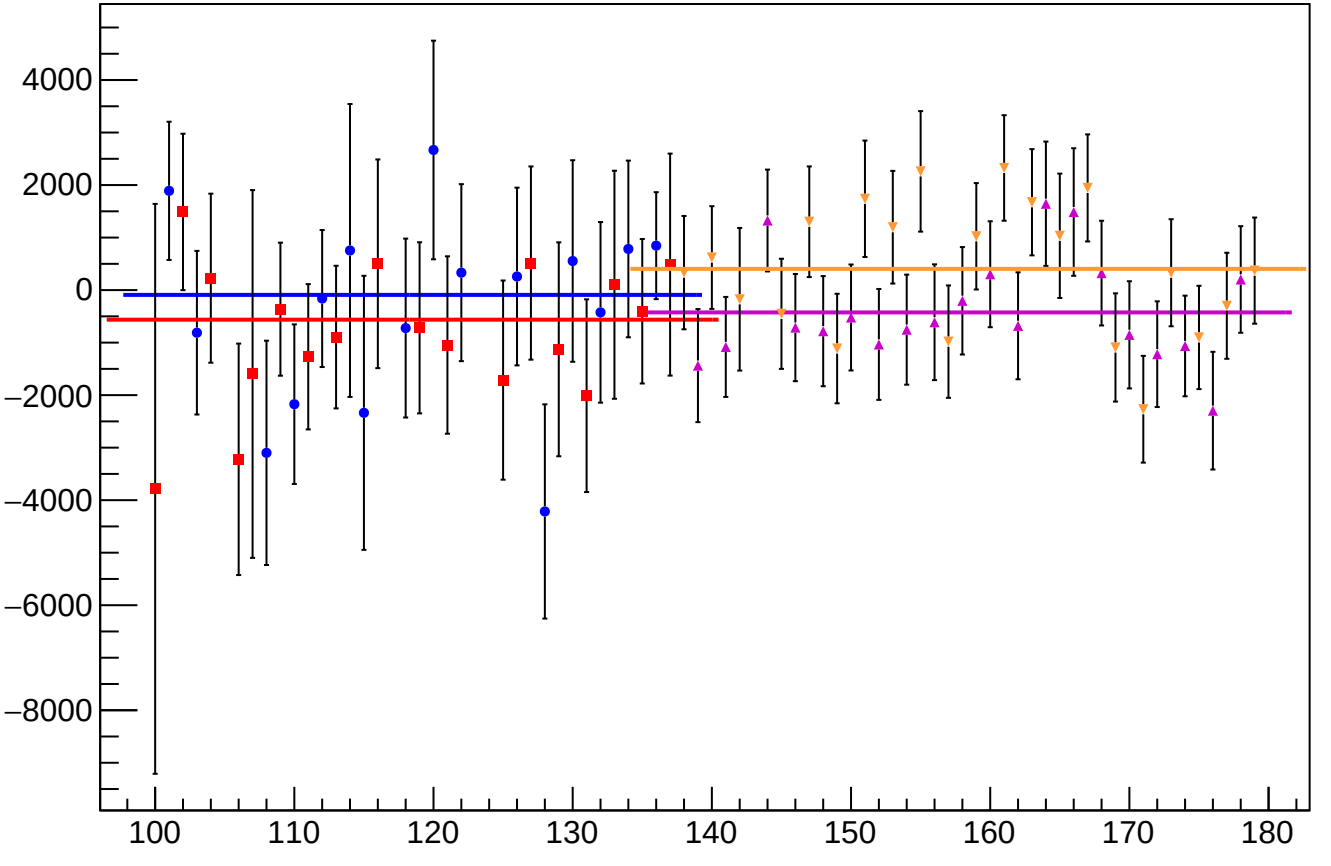
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 546.778+/-0.082 χ^2/NDF:2176897.4/35

Out: 545.486+/-0.081 χ^2/NDF:2384826.4/38

All: 546.126+/-0.058 χ^2/NDF: 4561849.7/74

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 404.179+/-229.553 χ^2/NDF:29.5/20

Right Out: -563.292+/-411.565 χ^2/NDF: 6.5/17

Left In: -424.958+/-231.742 χ^2/NDF:16.4/19

Left: -6.454+/-163.087 χ^2/NDF: 52.4/40

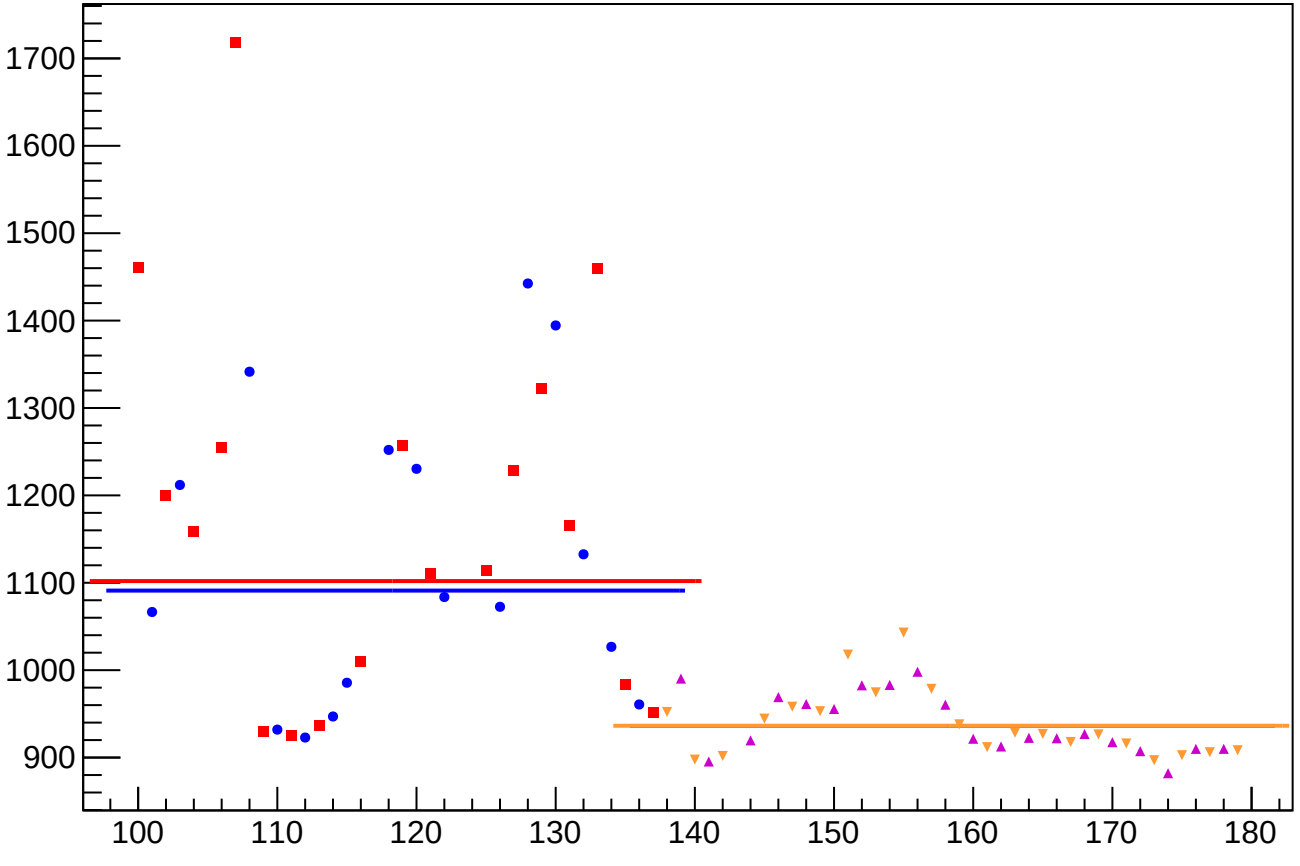
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -344.159+/-201.740 χ^2/NDF:31.5/35

Out: 174.621+/-200.478 χ^2/NDF:40.2/38

All: -83.141+/-142.203 χ^2/NDF: 75.0/74

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 936.381+/-0.162 χ^2/NDF:51819.5/20

Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 936.161+/-0.164 χ^2/NDF:41935.2/19

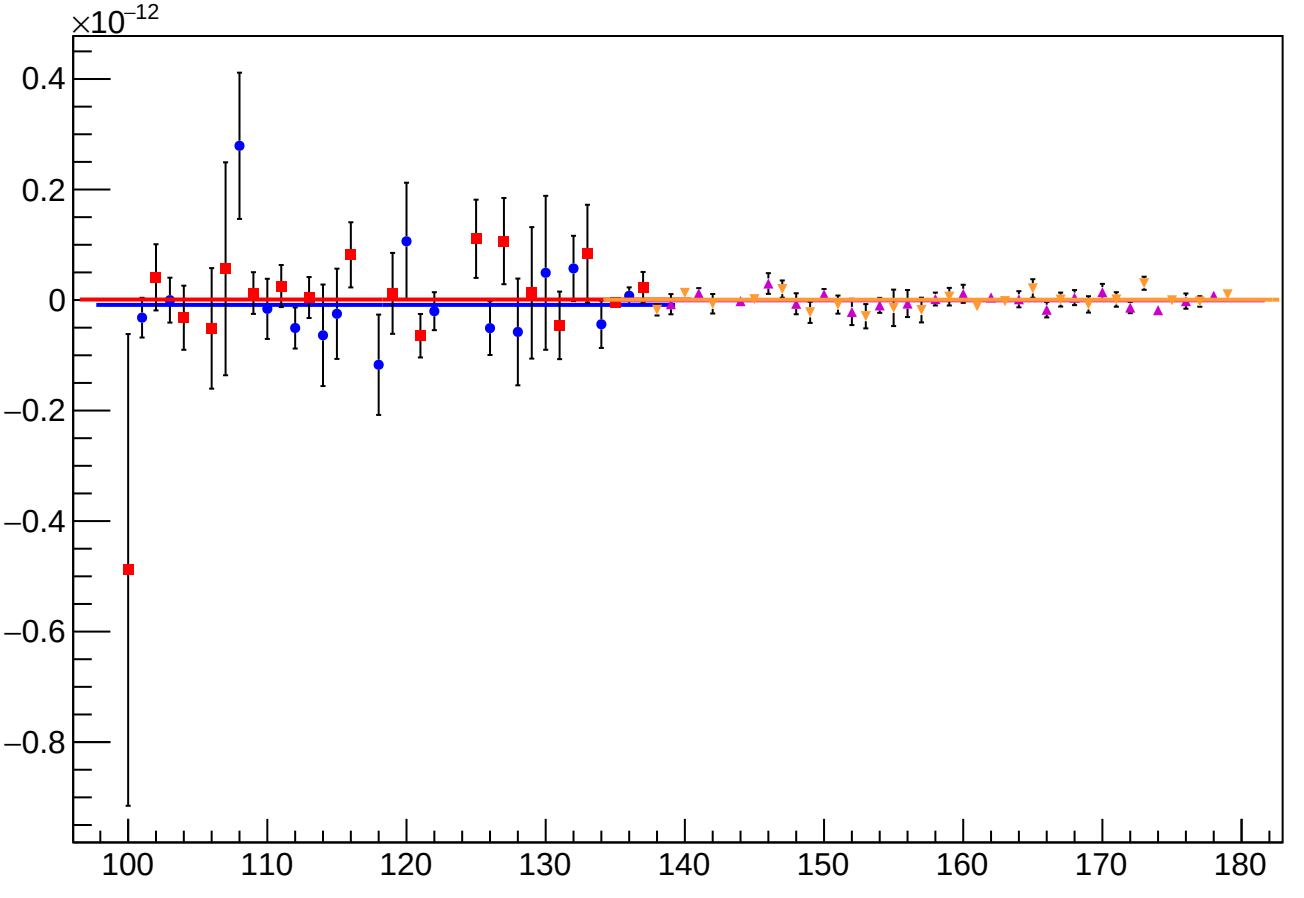
Left: 936.272+/-0.115 χ^2/NDF: 93755.6/40

Right: 1096.476+/-0.205 χ^2/NDF: 606118.2/33

In: 973.667+/-0.143 χ^2/NDF:535572.0/35

Out: 975.667+/-0.142 χ^2/NDF:626811.2/38

All: 974.674+/-0.101 χ^2/NDF: 1162482.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:18.6/19

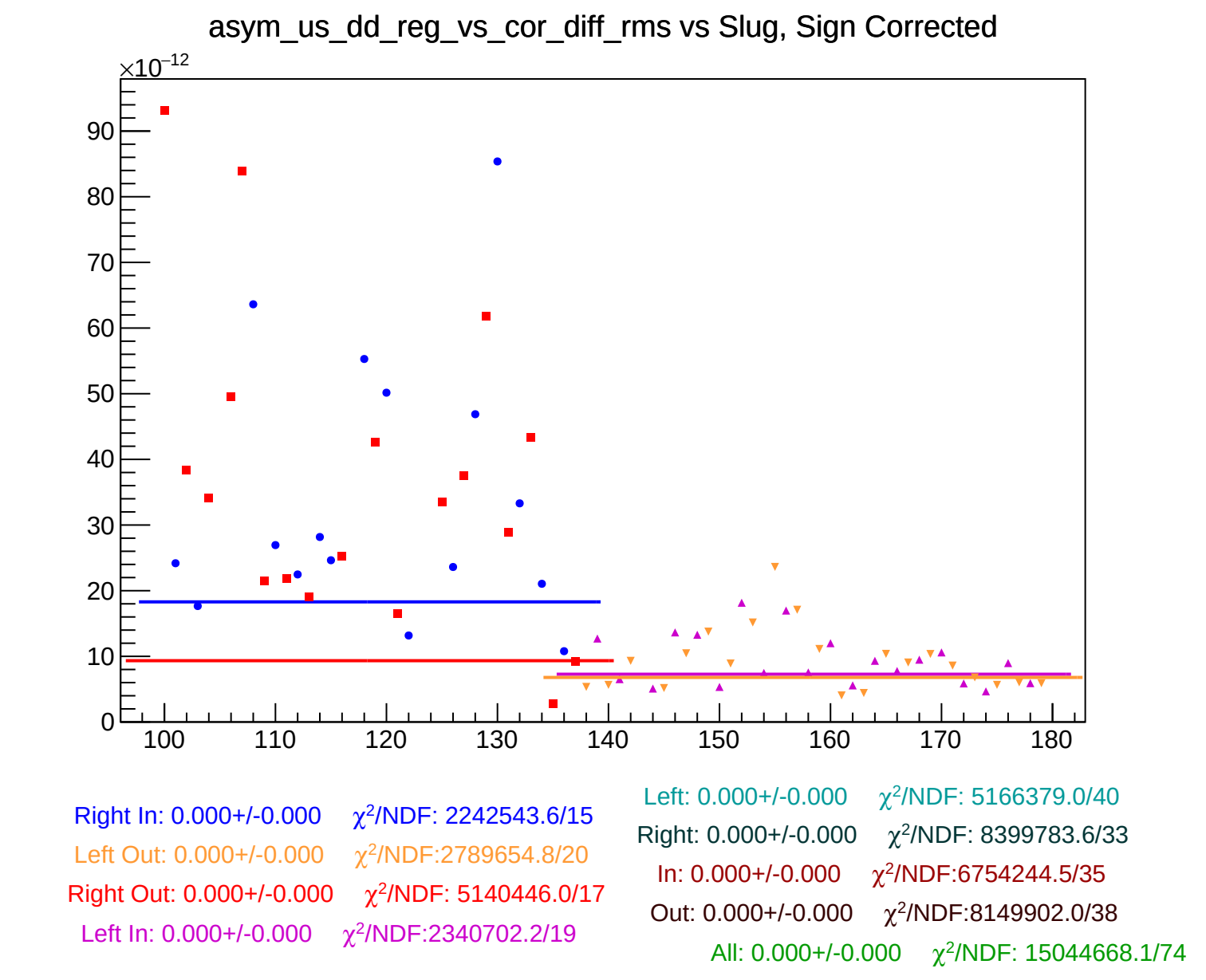
Left: 0.000+/-0.000 χ^2/NDF: 42.8/40

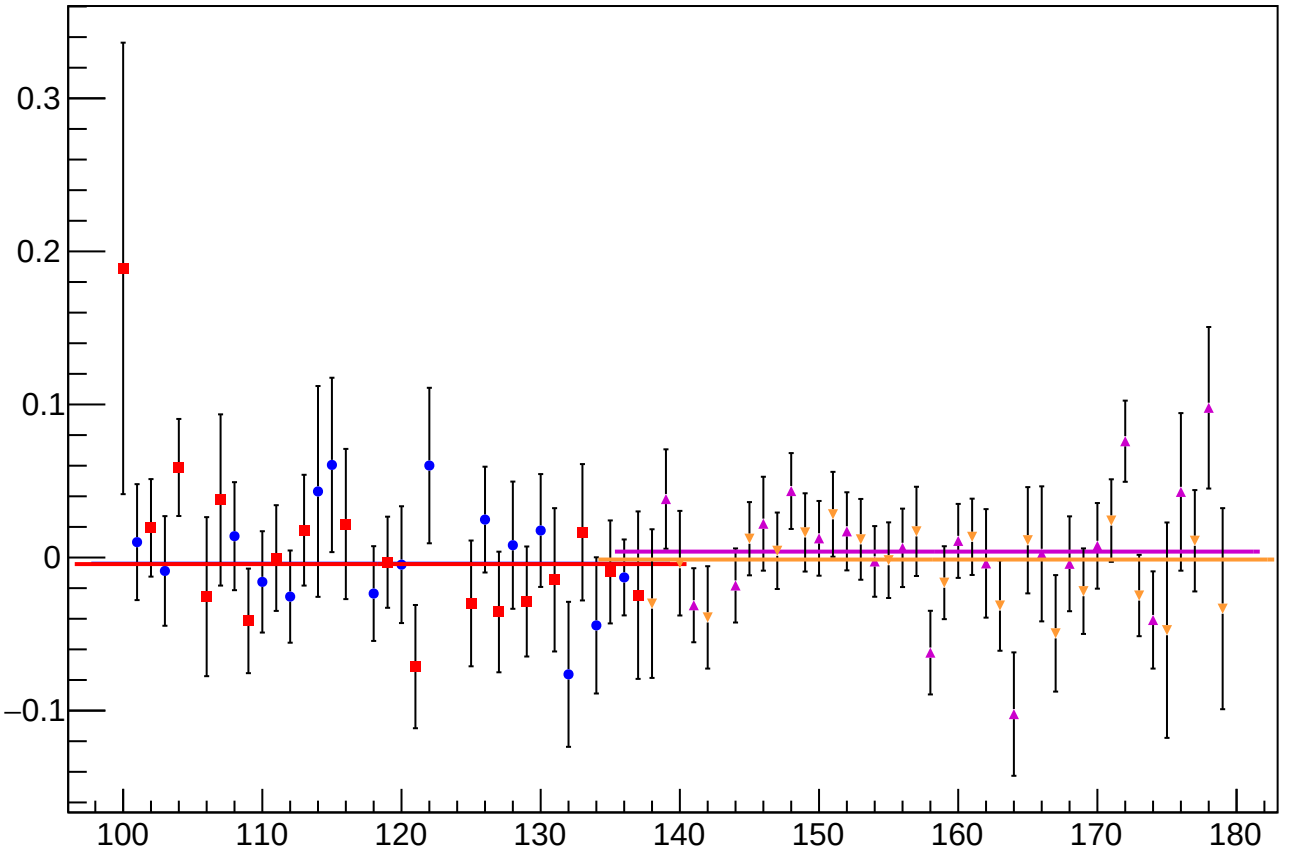
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:33.0/35

Out: 0.000+/-0.000 χ^2/NDF:38.4/38

All: -0.000+/-0.000 χ^2/NDF: 71.7/74


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2789654.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2340702.2/19
Left: 0.000+/-0.000 χ²/NDF: 5166379.0/40
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6754244.5/35
Out: 0.000+/-0.000 χ²/NDF:8149902.0/38
All: 0.000+/-0.000 χ²/NDF: 15044668.1/74



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.004+/-0.006 χ^2/NDF:33.5/19

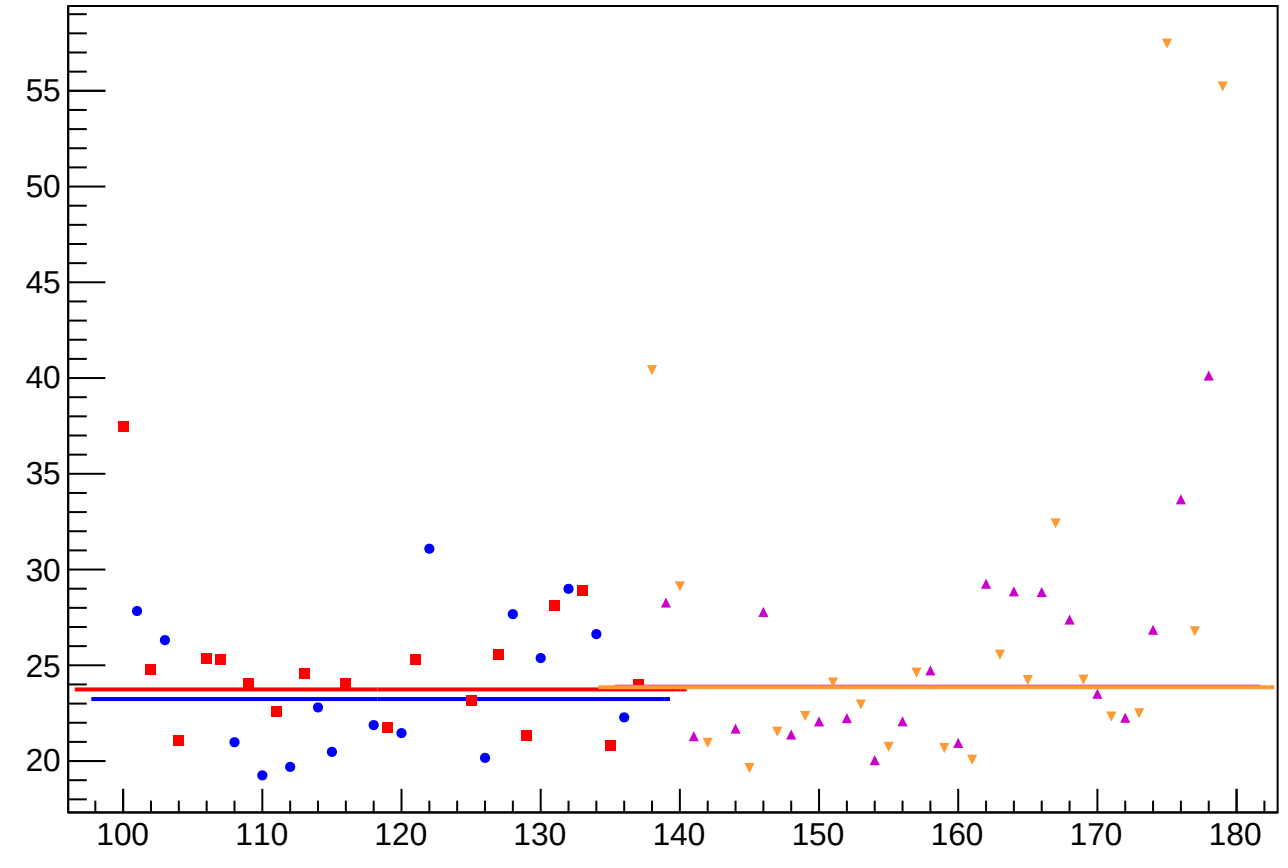
Left: 0.001+/-0.005 χ^2/NDF: 44.7/40

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 67.9/74



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.855+/-0.005 χ^2/NDF:1546895.2/20

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.881+/-0.005 χ^2/NDF:658874.7/19

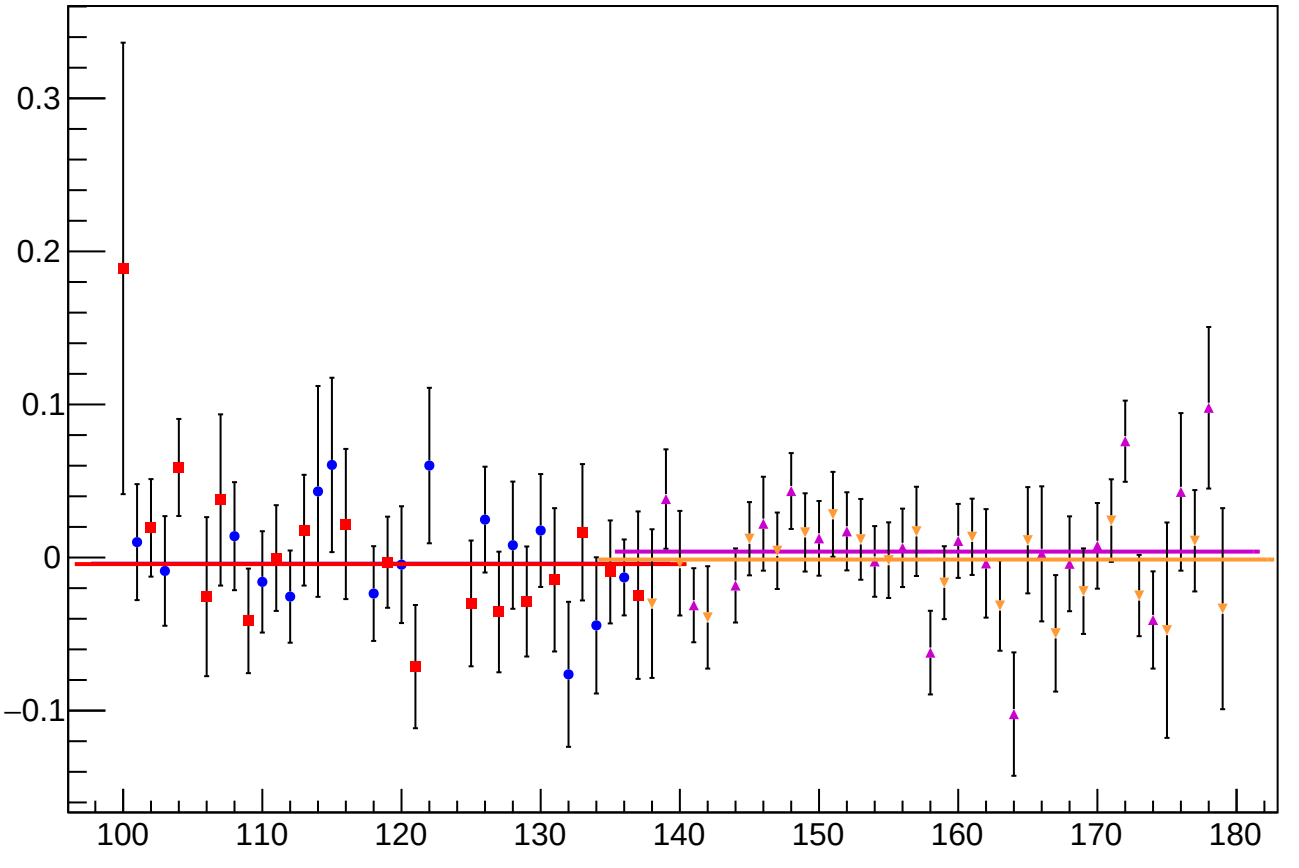
Left: 23.868+/-0.003 χ^2/NDF: 2205786.0/40

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.672+/-0.004 χ^2/NDF:924613.7/35

Out: 23.818+/-0.004 χ^2/NDF:1673285.3/38

All: 23.745+/-0.003 χ^2/NDF: 2598665.6/74



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.004+/-0.006 χ^2/NDF:33.5/19

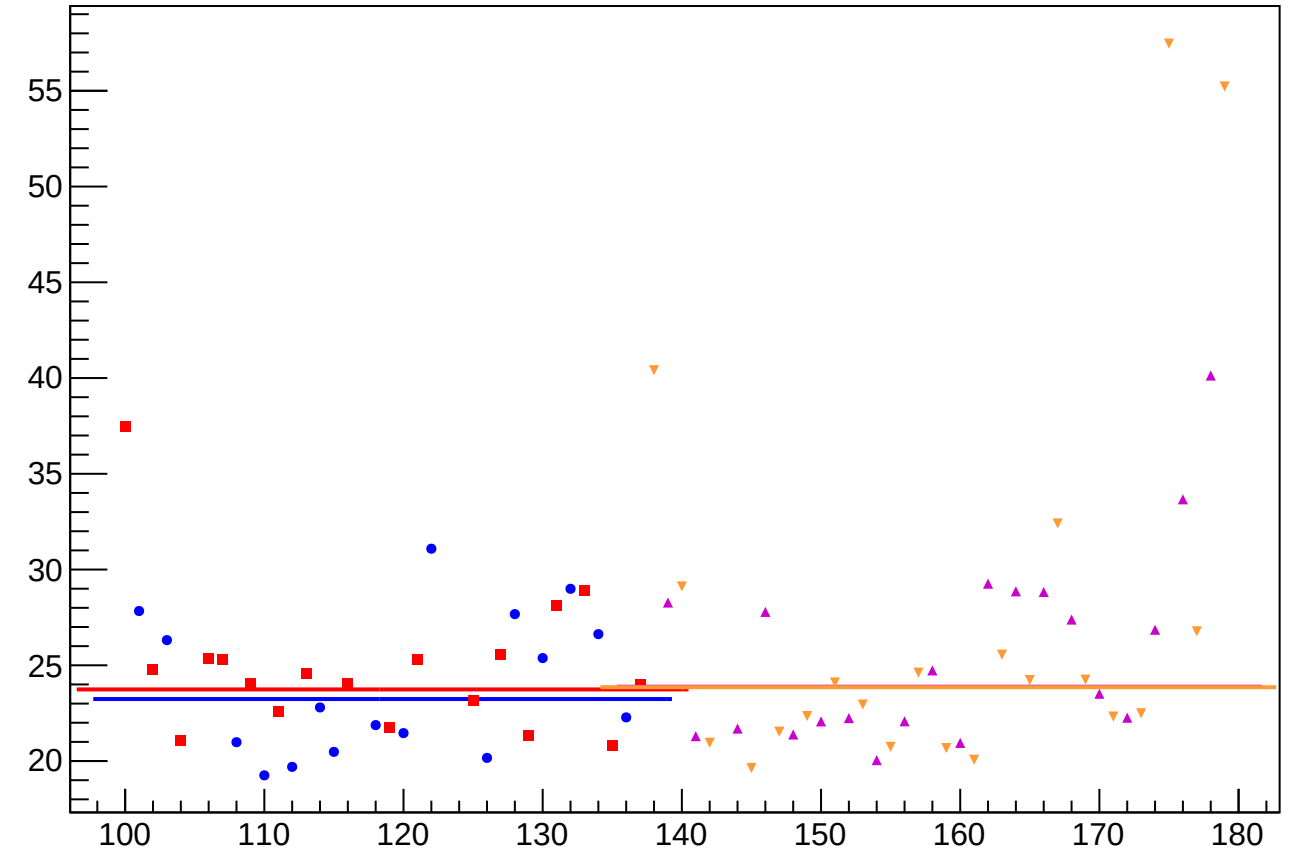
Left: 0.001+/-0.005 χ^2/NDF: 44.7/40

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 67.9/74



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.855+/-0.005 χ^2/NDF:1546895.2/20

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.881+/-0.005 χ^2/NDF:658874.7/19

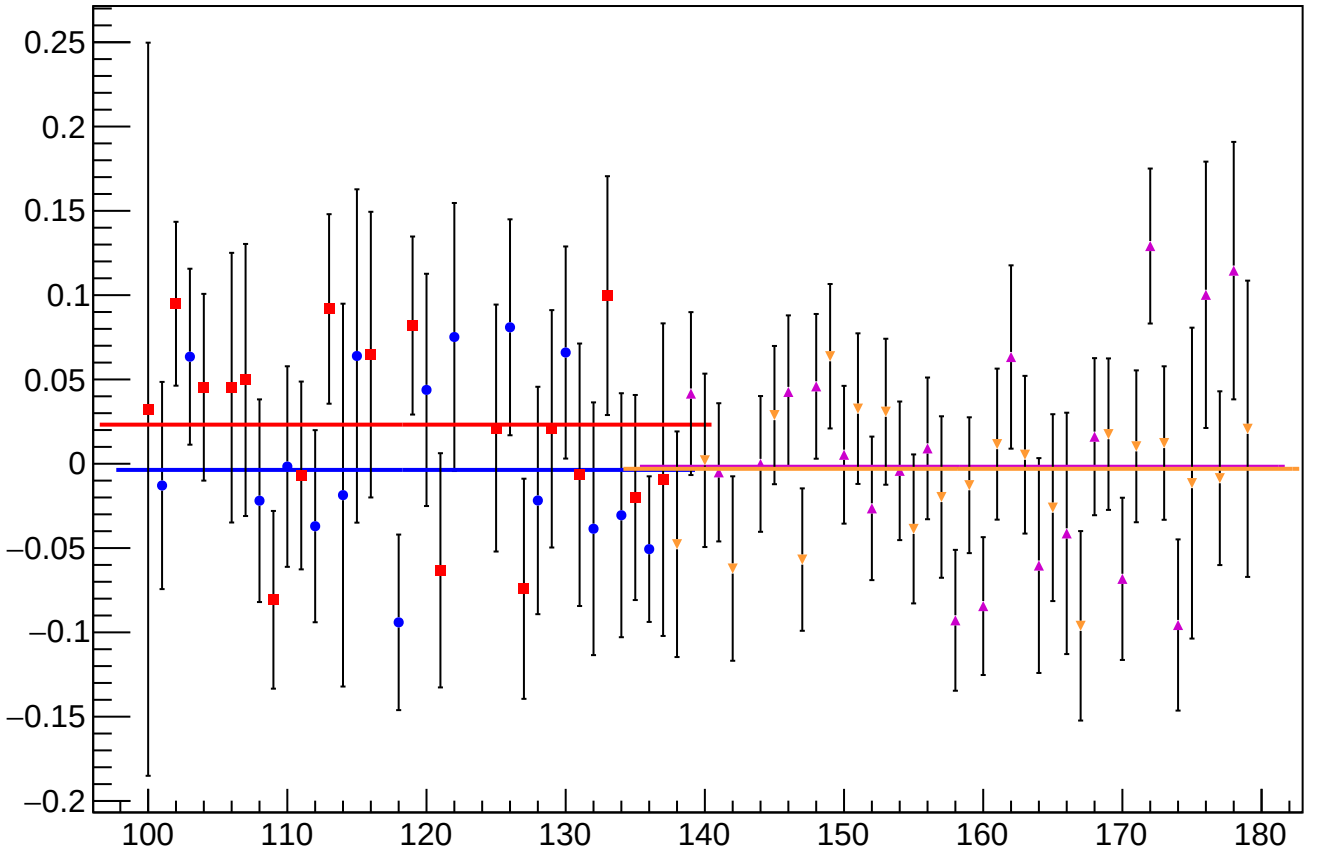
Left: 23.868+/-0.003 χ^2/NDF: 2205786.0/40

Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.672+/-0.004 χ^2/NDF:924613.7/35

Out: 23.818+/-0.004 χ^2/NDF:1673285.3/38

All: 23.745+/-0.003 χ^2/NDF: 2598665.6/74



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/20

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.002+/-0.011 χ^2/NDF:32.4/19

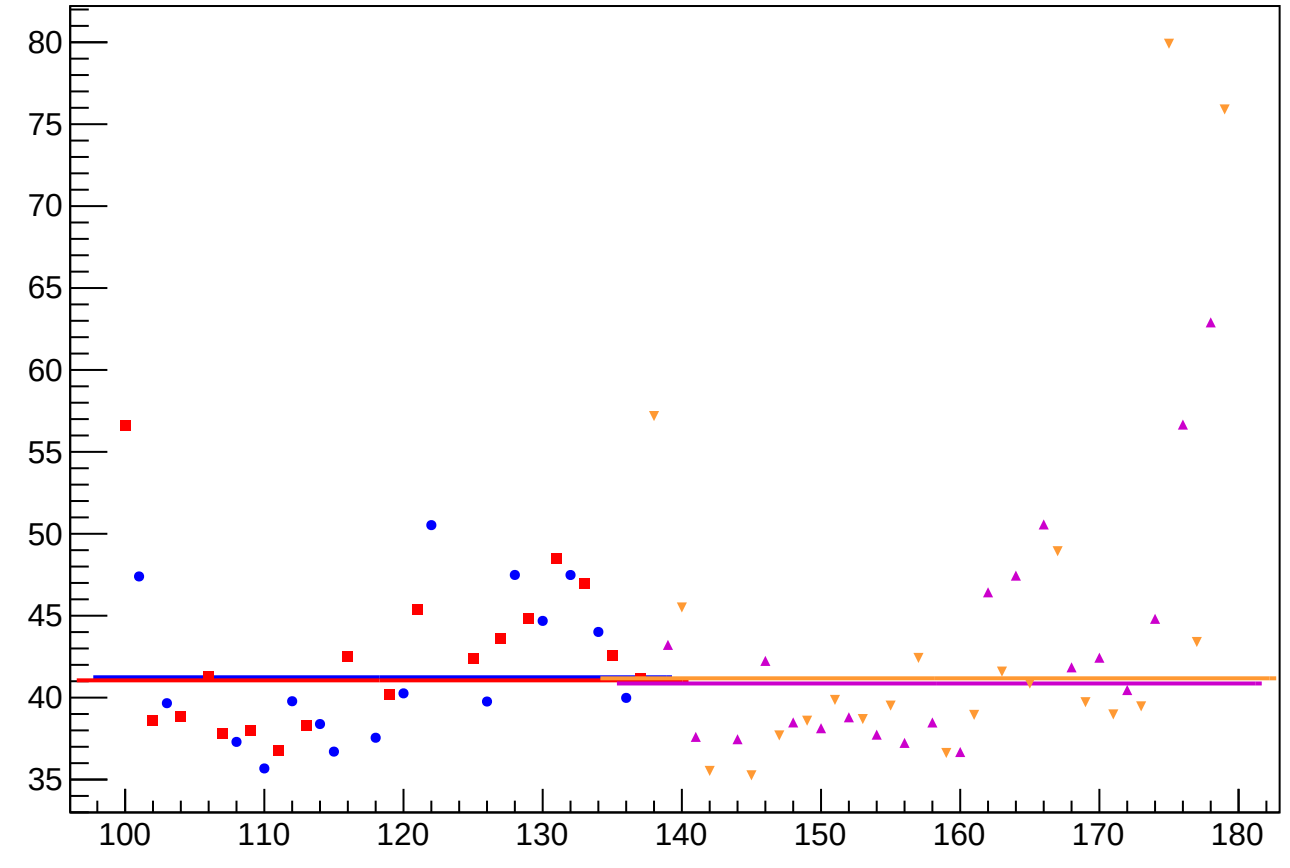
Left: -0.002+/-0.007 χ^2/NDF: 44.4/40

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:44.1/35

Out: 0.005+/-0.009 χ^2/NDF:29.3/38

All: 0.001+/-0.006 χ^2/NDF: 73.7/74



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 41.179+/-0.007 χ^2/NDF:972773.8/20

Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 40.863+/-0.007 χ^2/NDF:448248.4/19

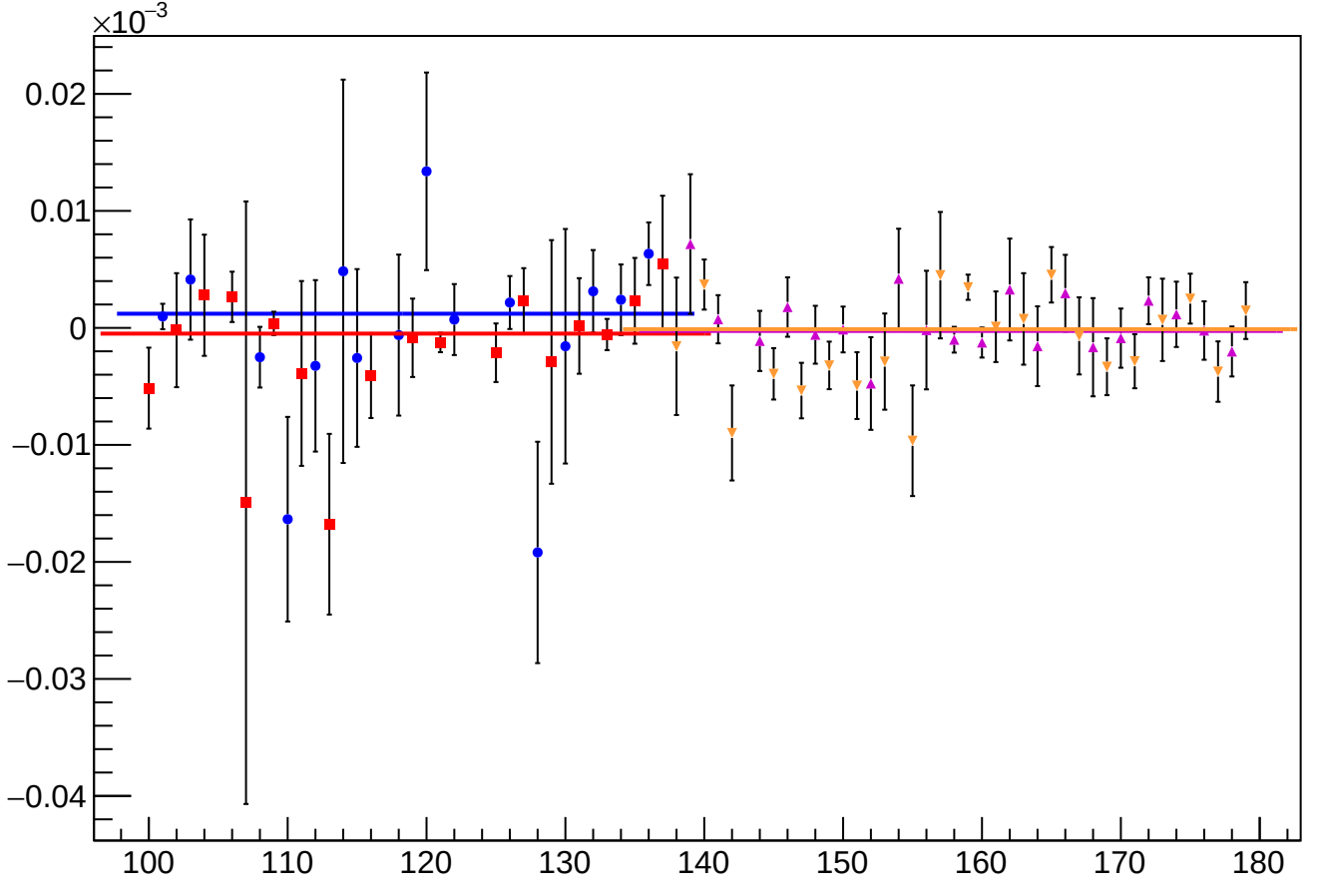
Left: 41.020+/-0.005 χ^2/NDF: 1421915.3/40

Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

In: 40.980+/-0.006 χ^2/NDF:584325.7/35

Out: 41.139+/-0.006 χ^2/NDF:1069421.8/38

All: 41.060+/-0.004 χ^2/NDF: 1654078.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/19

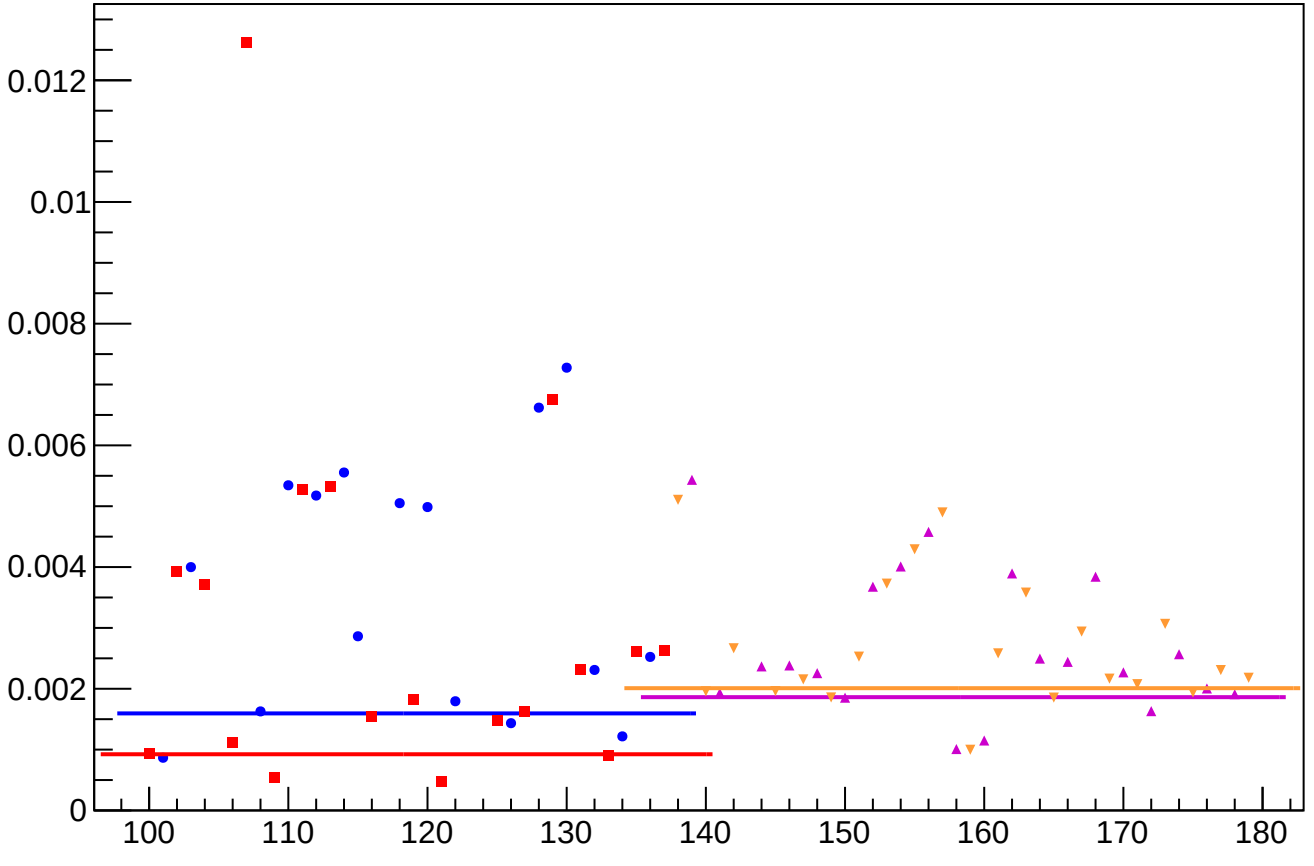
Left: -0.000+/-0.000 χ^2/NDF: 59.0/40

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:31.5/35

Out: -0.000+/-0.000 χ^2/NDF:63.7/38

All: -0.000+/-0.000 χ^2/NDF: 96.0/74



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:4634246.4/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5470490.0/19

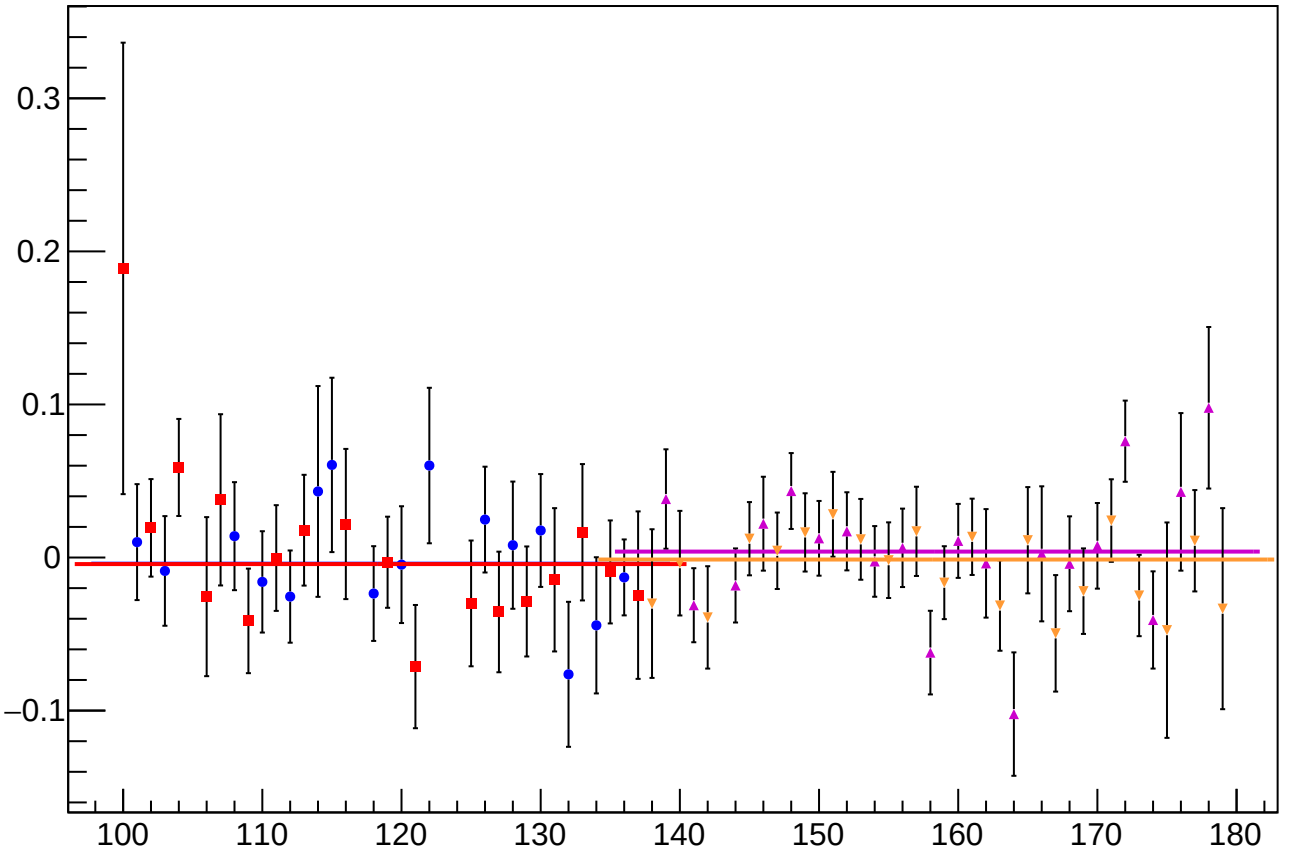
Left: 0.002+/-0.000 χ^2/NDF: 10183673.4/40

Right: 0.001+/-0.000 χ^2/NDF: 11655258.3/33

In: 0.002+/-0.000 χ^2/NDF:10404912.7/35

Out: 0.001+/-0.000 χ^2/NDF:14825548.8/38

All: 0.002+/-0.000 χ^2/NDF: 26018954.4/74



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.004+/-0.006 χ^2/NDF:33.5/19

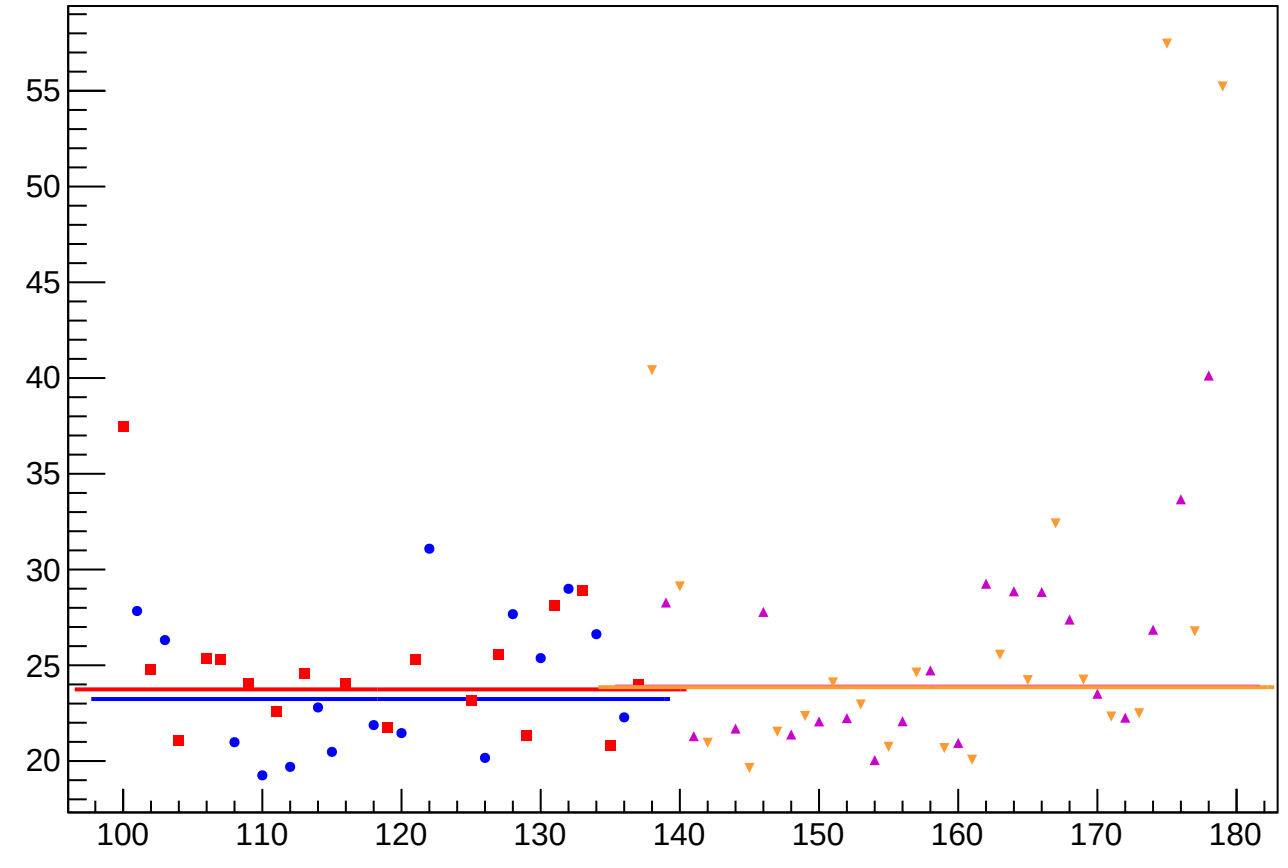
Left: 0.001+/-0.005 χ^2/NDF: 44.7/40

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 67.9/74



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.855+/-0.005 χ^2/NDF:1546907.8/20

Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.881+/-0.005 χ^2/NDF:658780.3/19

Left: 23.868+/-0.003 χ^2/NDF: 2205704.4/40

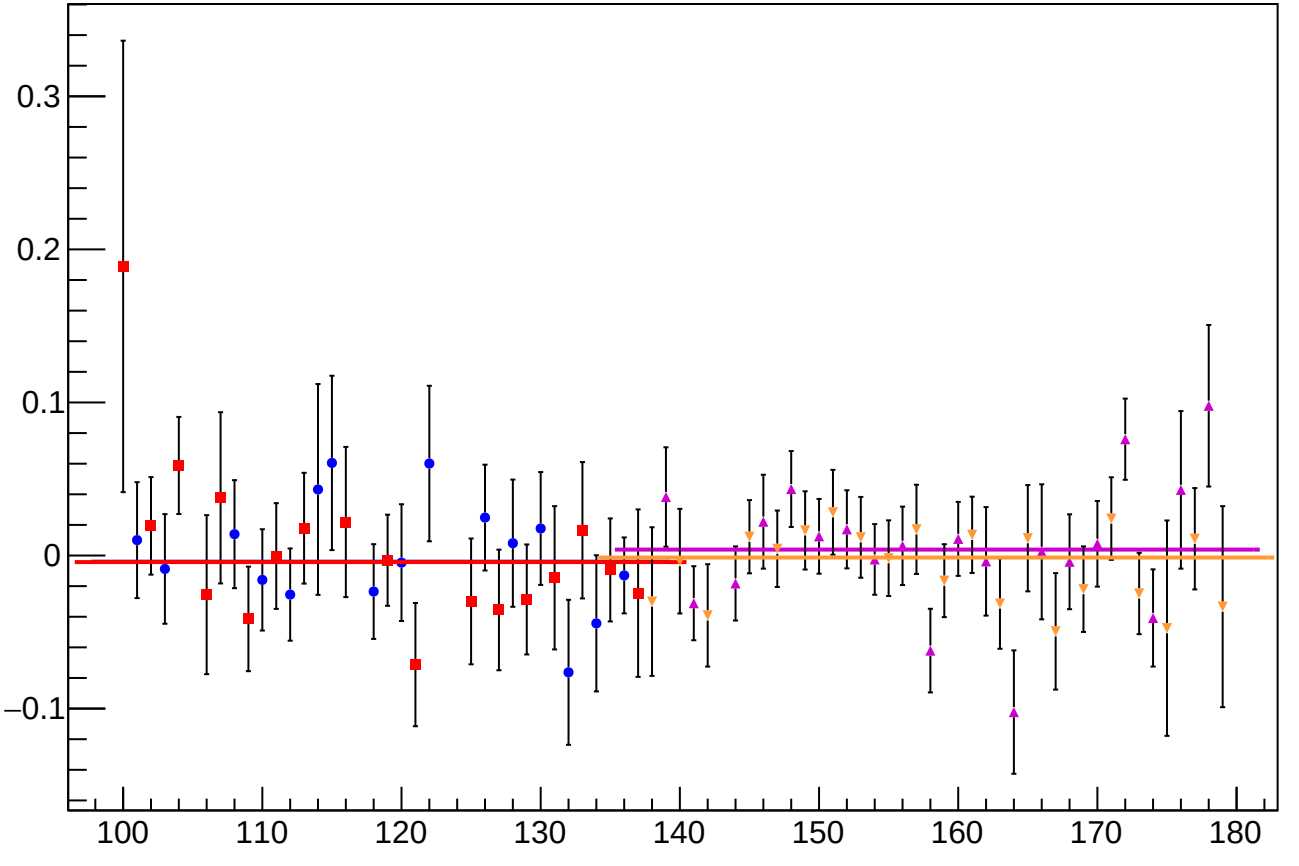
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.671+/-0.004 χ^2/NDF:924527.2/35

Out: 23.818+/-0.004 χ^2/NDF:1673246.3/38

All: 23.745+/-0.003 χ^2/NDF: 2598541.4/74

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: -0.001+/-0.006 χ^2/NDF:10.8/20

Right Out: -0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.004+/-0.006 χ^2/NDF:33.5/19

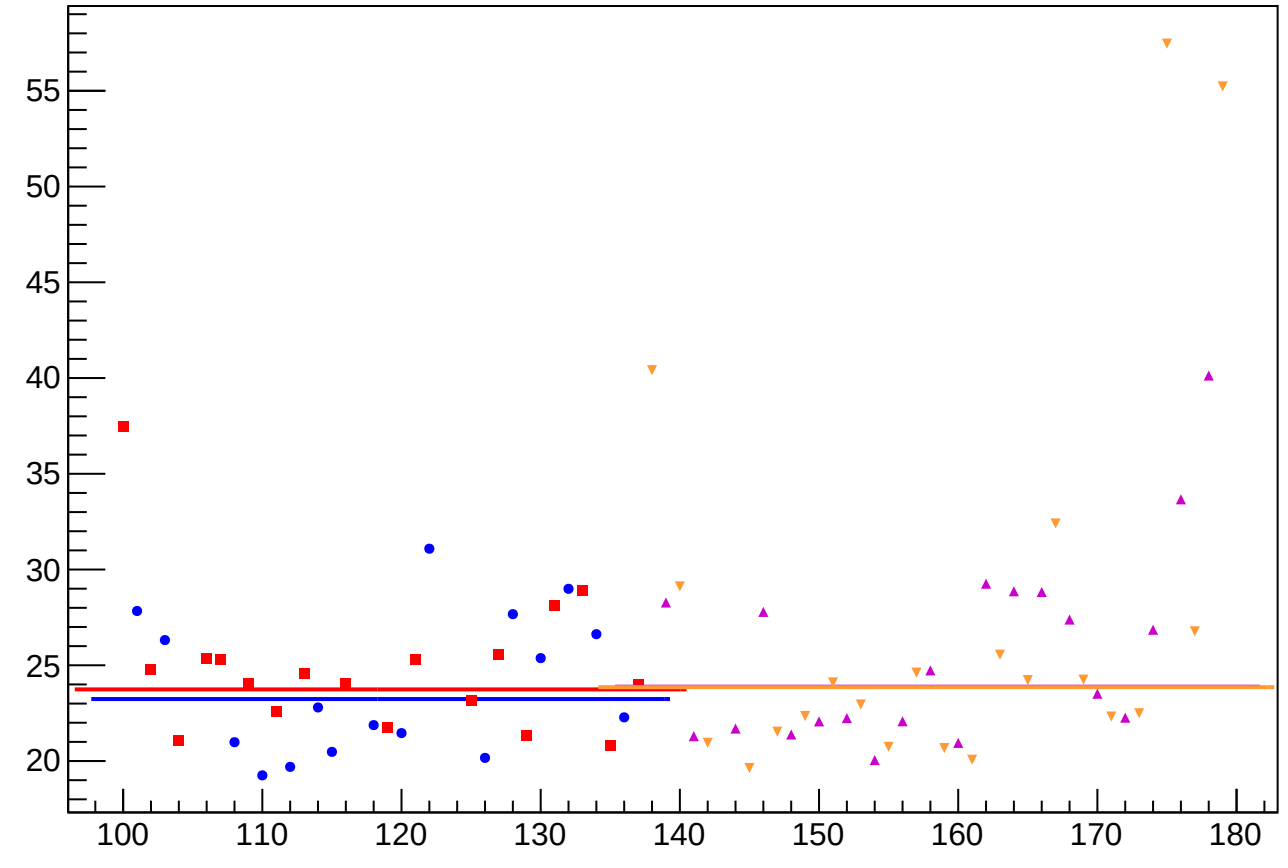
Left: 0.001+/-0.005 χ^2/NDF: 44.7/40

Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.4/38

All: -0.000+/-0.004 χ^2/NDF: 67.9/74



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.855+/-0.005 χ^2/NDF:1546907.8/20

Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.881+/-0.005 χ^2/NDF:658780.3/19

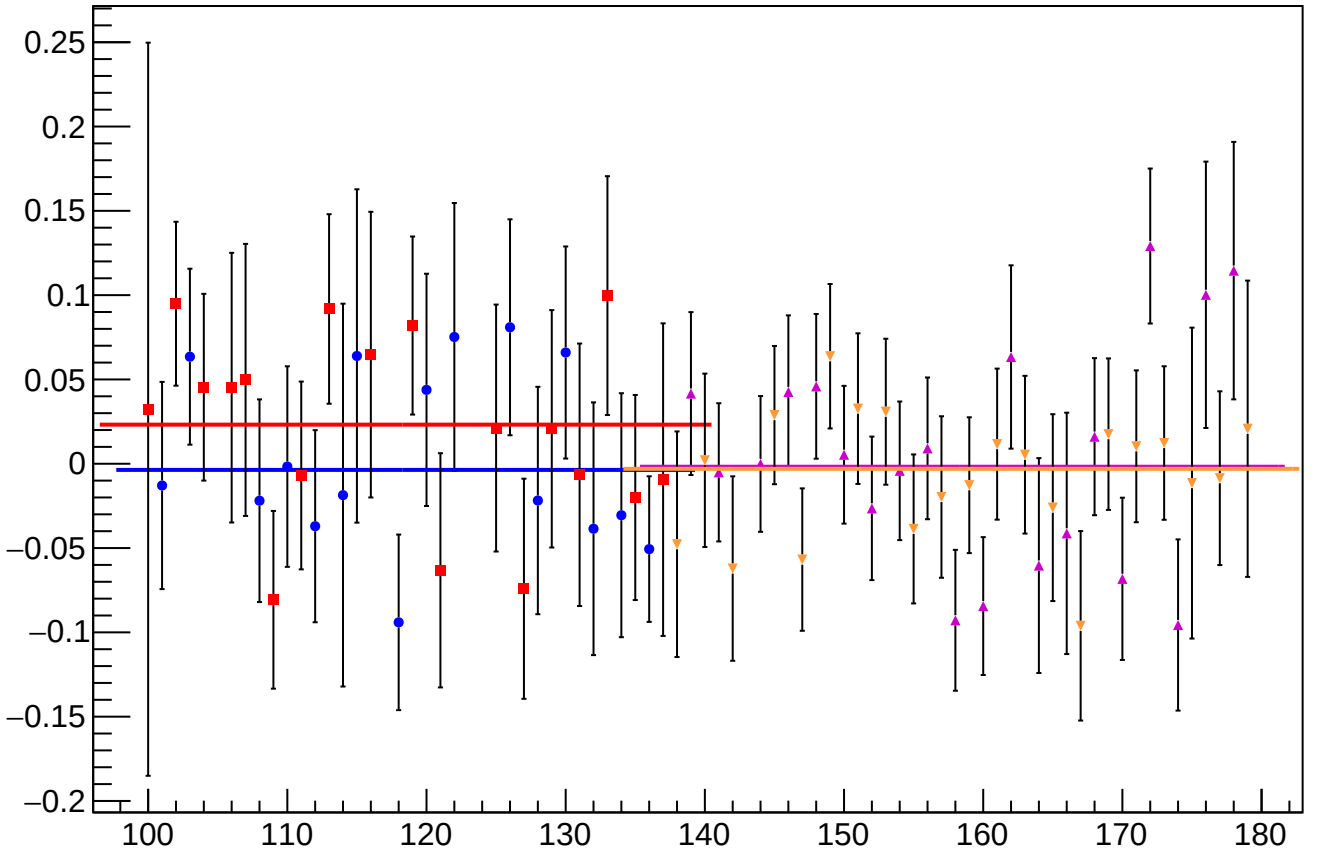
Left: 23.868+/-0.003 χ^2/NDF: 2205704.4/40

Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.671+/-0.004 χ^2/NDF:924527.2/35

Out: 23.818+/-0.004 χ^2/NDF:1673246.3/38

All: 23.745+/-0.003 χ^2/NDF: 2598541.4/74



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/20

Right Out: 0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.002+/-0.011 χ^2/NDF:32.4/19

Left: -0.002+/-0.007 χ^2/NDF: 44.4/40

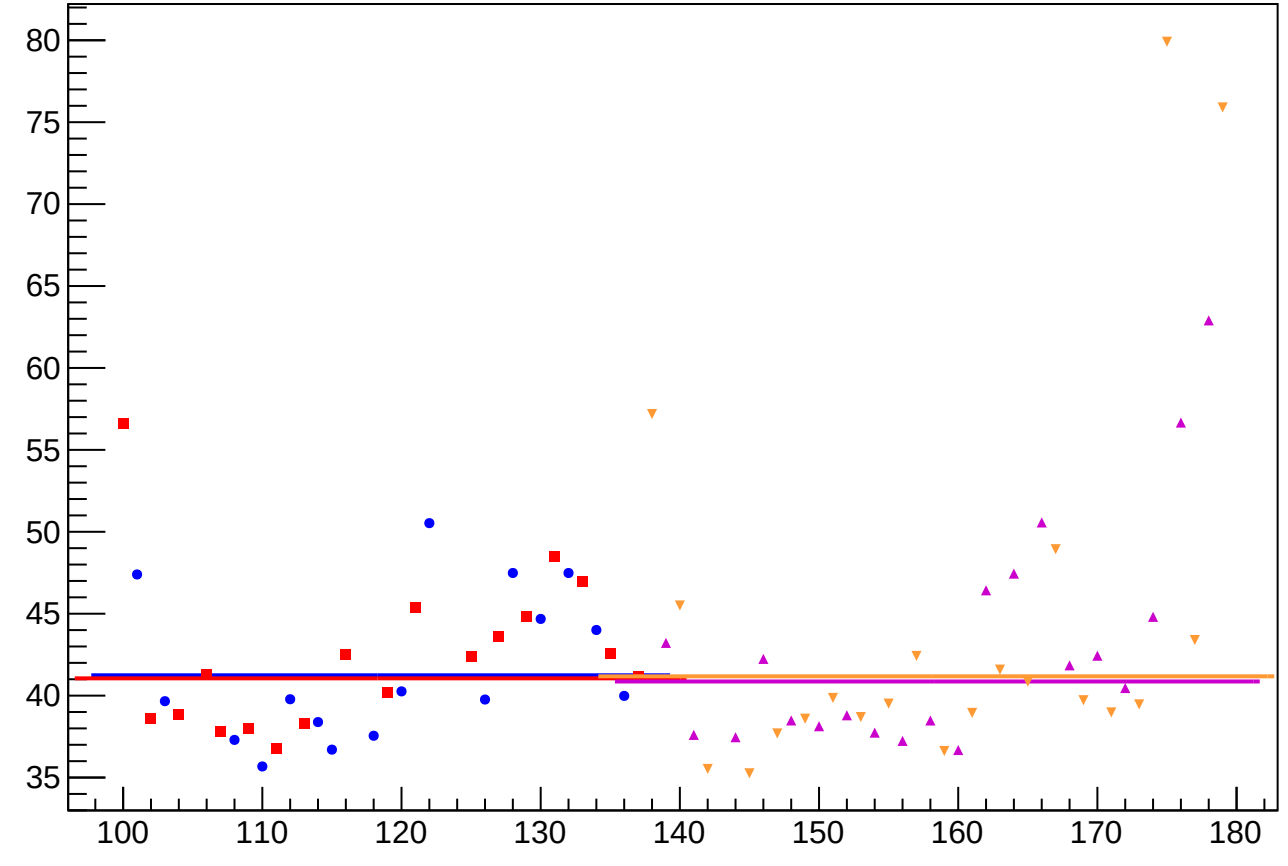
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:44.1/35

Out: 0.005+/-0.009 χ^2/NDF:29.3/38

All: 0.001+/-0.006 χ^2/NDF: 73.8/74

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 41.179+/-0.007 χ^2/NDF:972773.8/20

Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 40.863+/-0.007 χ^2/NDF:448241.2/19

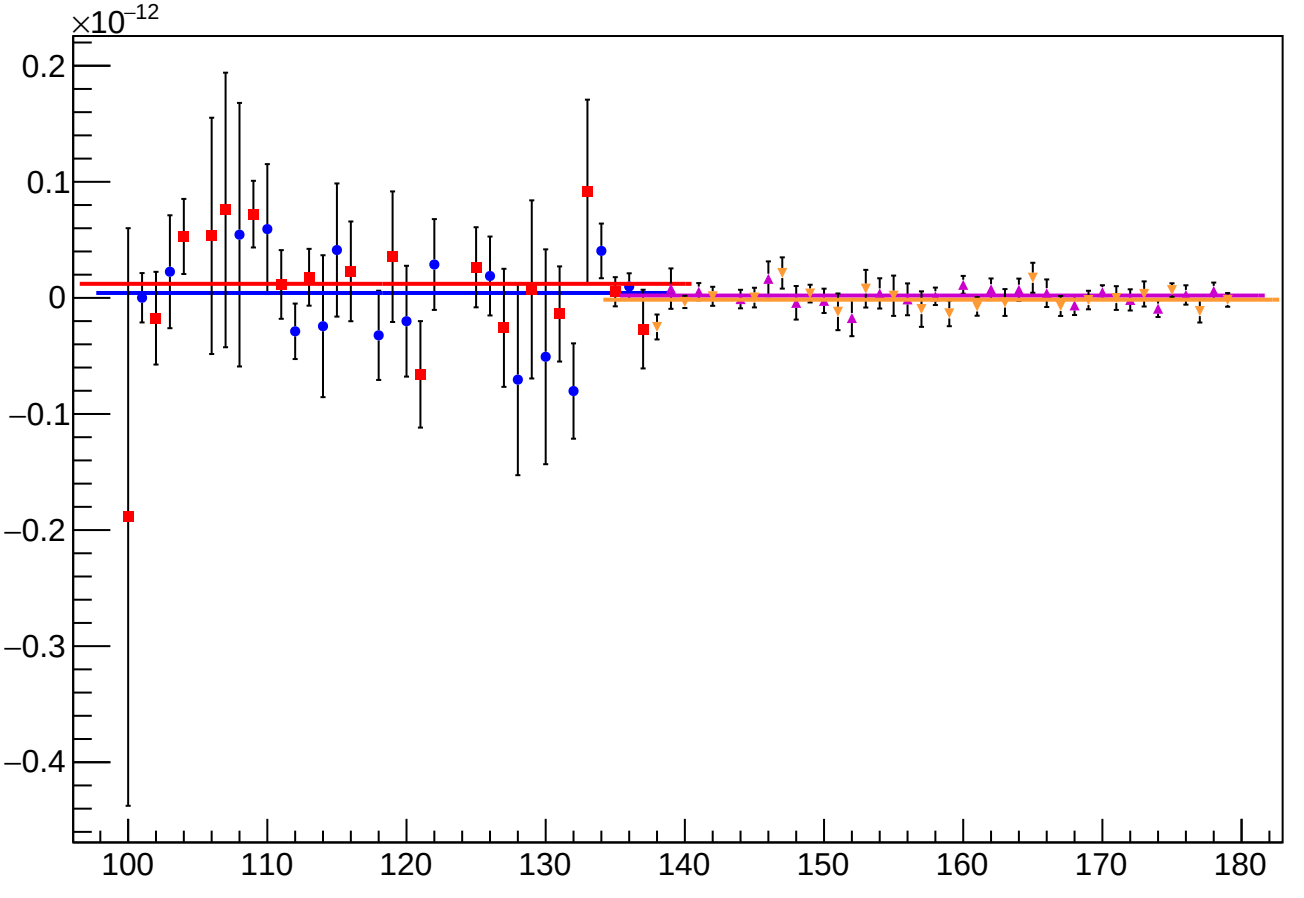
Left: 41.020+/-0.005 χ^2/NDF: 1421907.5/40

Right: 41.147+/-0.008 χ^2/NDF: 231949.1/33

In: 40.980+/-0.006 χ^2/NDF:584294.8/35

Out: 41.139+/-0.006 χ^2/NDF:1069410.7/38

All: 41.060+/-0.004 χ^2/NDF: 1654036.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/19

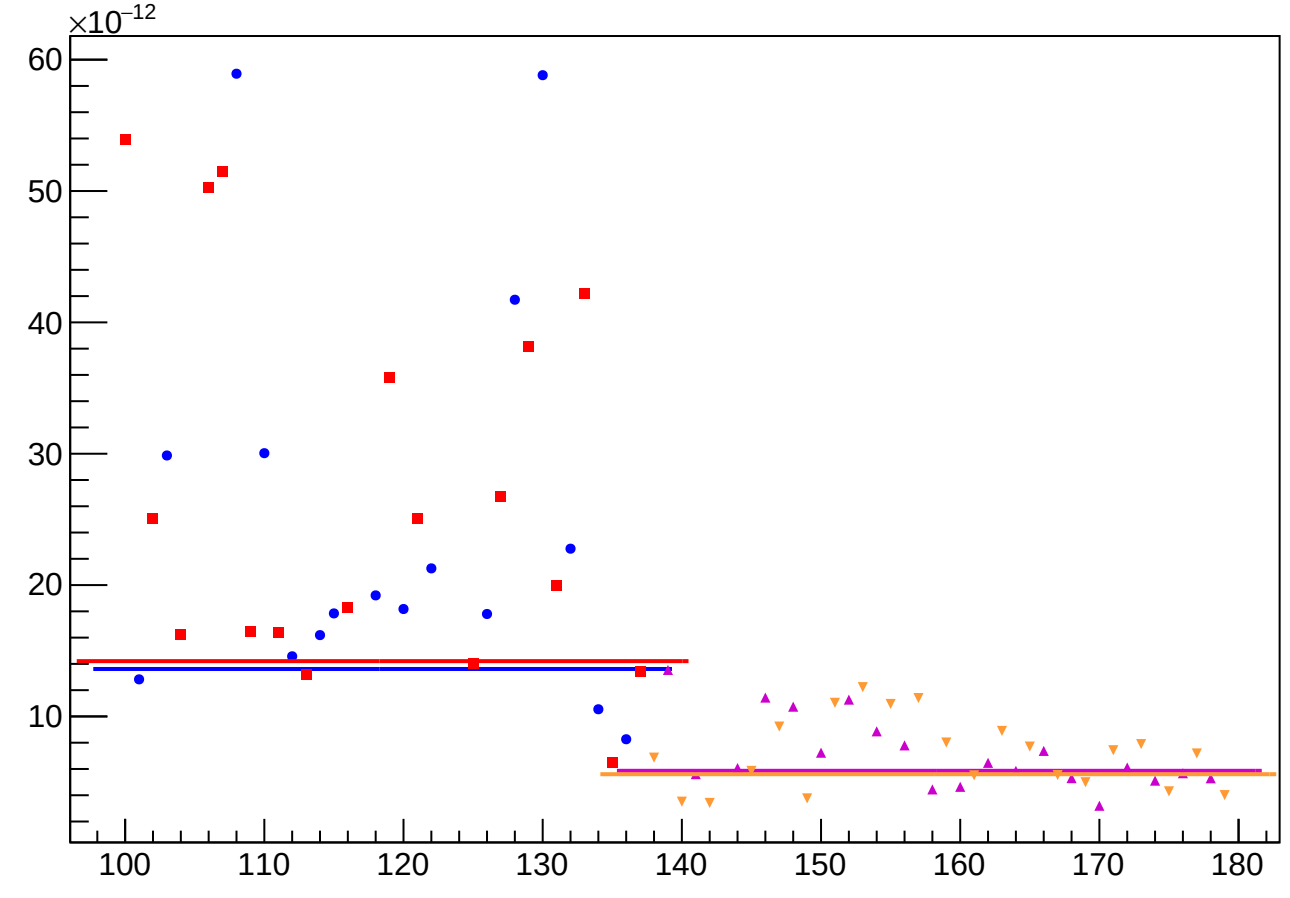
Left: 0.000+/-0.000 χ^2/NDF: 28.3/40

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:23.4/35

Out: -0.000+/-0.000 χ^2/NDF:34.5/38

All: 0.000+/-0.000 χ^2/NDF: 59.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2566965.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1919747.6/19

Left: 0.000+/-0.000 χ^2/NDF: 4503744.7/40

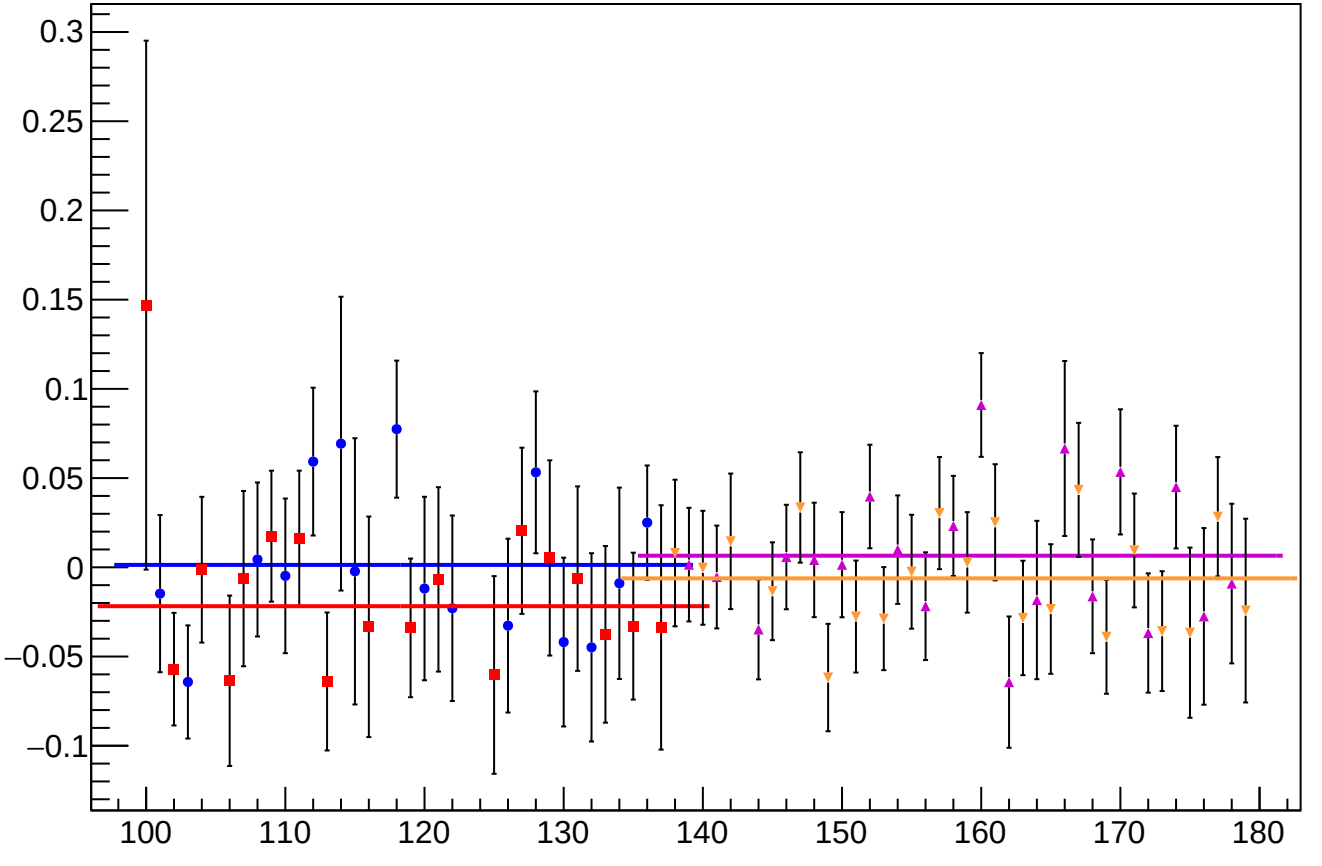
Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

In: 0.000+/-0.000 χ^2/NDF:6160652.8/35

Out: 0.000+/-0.000 χ^2/NDF:7338073.1/38

All: 0.000+/-0.000 χ^2/NDF: 13523168.8/74

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/20

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.007 χ^2/NDF:24.8/19

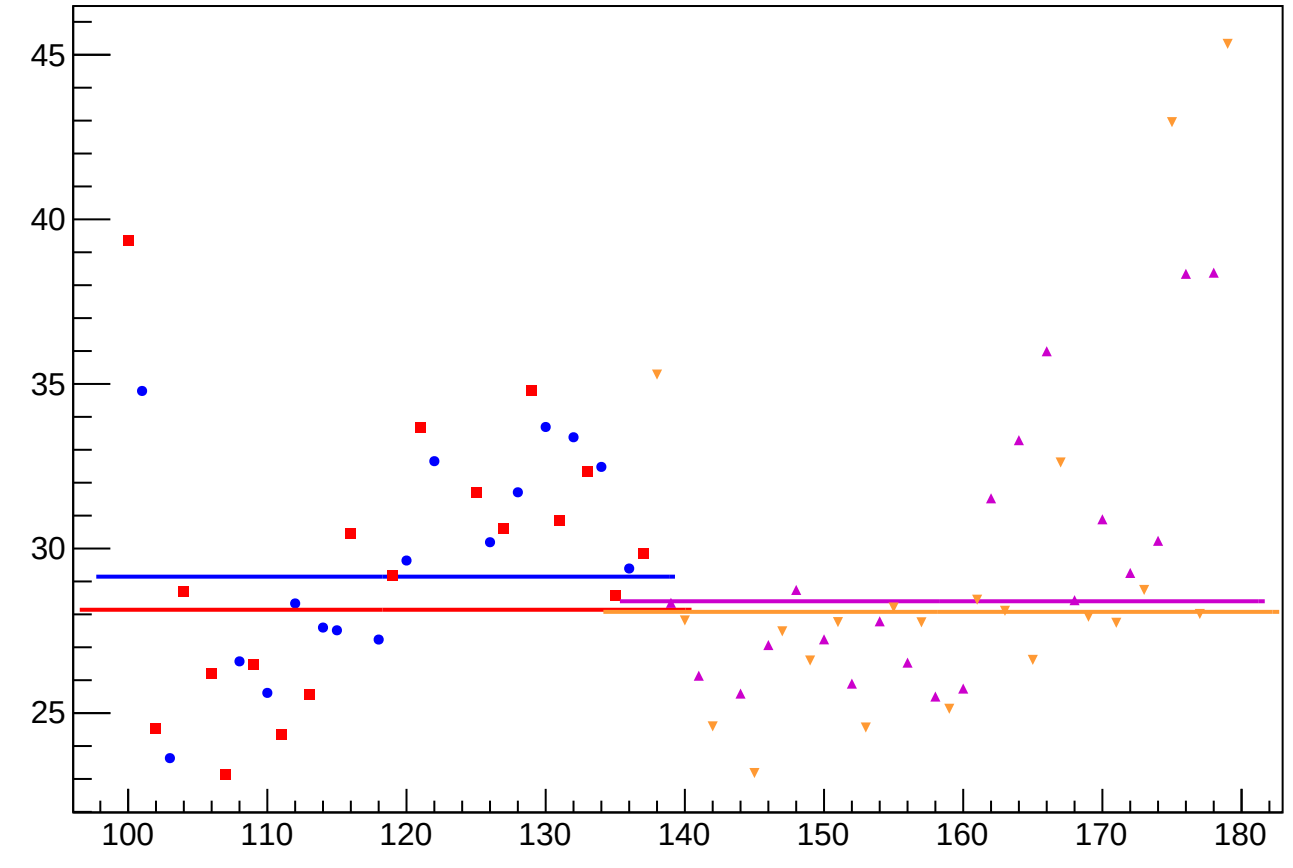
Left: 0.000+/-0.005 χ^2/NDF: 41.5/40

Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.006 χ^2/NDF:40.2/35

Out: -0.011+/-0.006 χ^2/NDF:25.7/38

All: -0.003+/-0.004 χ^2/NDF: 69.3/74



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 28.076+/-0.005 χ^2/NDF:652734.9/20

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

Left: 28.235+/-0.004 χ^2/NDF: 1039989.6/40

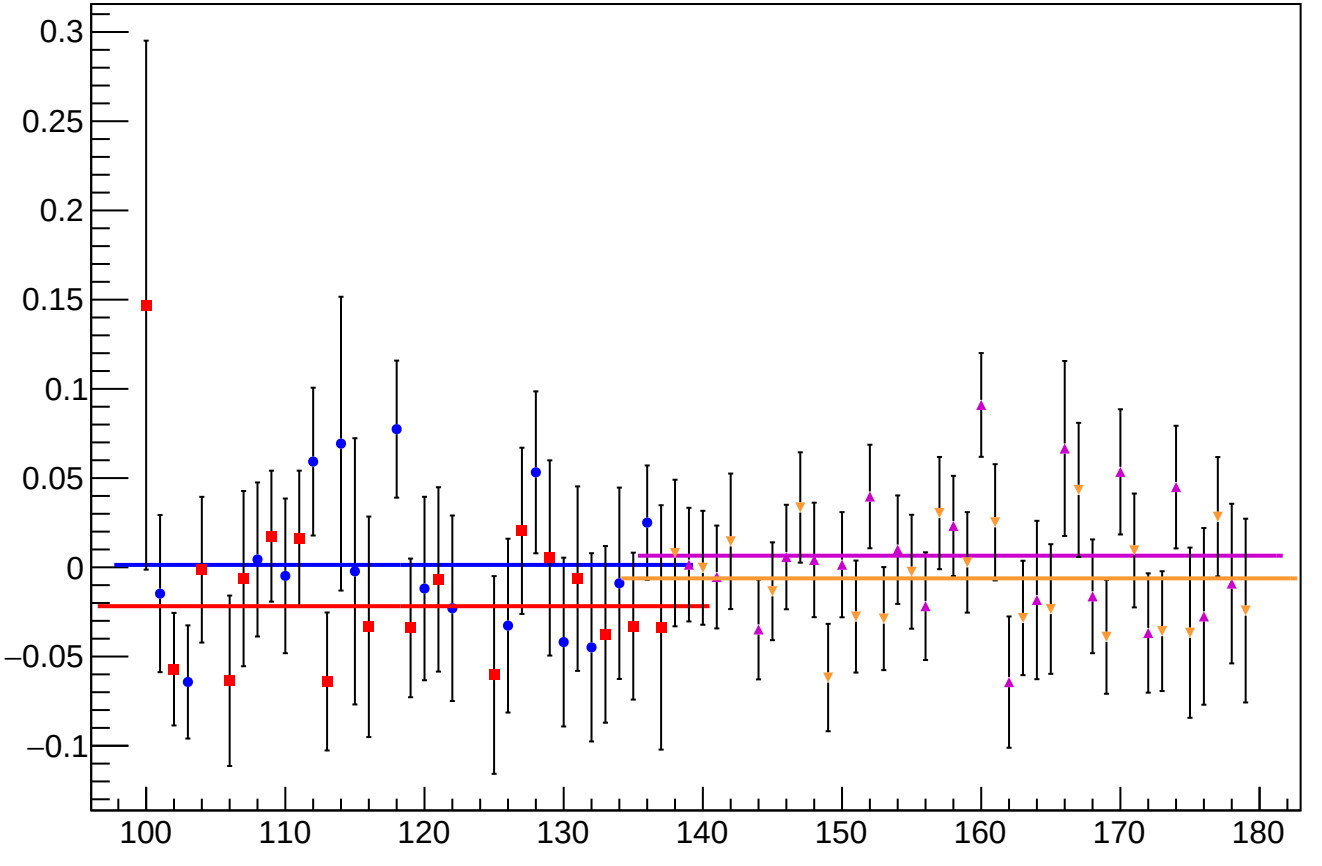
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.621+/-0.004 χ^2/NDF:568422.1/35

Out: 28.096+/-0.004 χ^2/NDF:839887.3/38

All: 28.353+/-0.003 χ^2/NDF: 1415811.5/74

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.006+/-0.007 χ^2/NDF:15.2/20

Right Out: -0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.007+/-0.007 χ^2/NDF:24.8/19

Left: 0.000+/-0.005 χ^2/NDF: 41.5/40

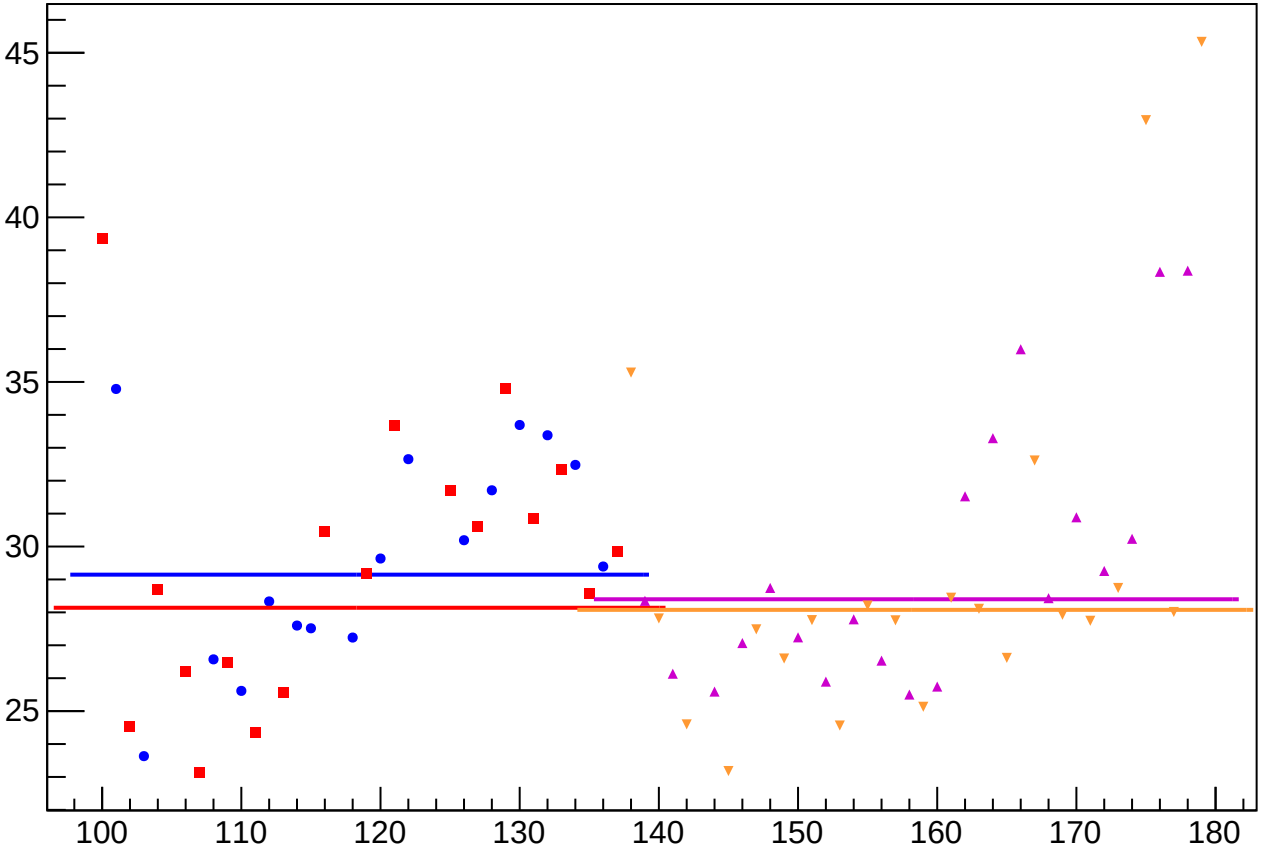
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.006 χ^2/NDF:40.2/35

Out: -0.011+/-0.006 χ^2/NDF:25.7/38

All: -0.003+/-0.004 χ^2/NDF: 69.3/74

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 28.076+/-0.005 χ^2/NDF:652734.9/20

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

Left: 28.235+/-0.004 χ^2/NDF: 1039989.6/40

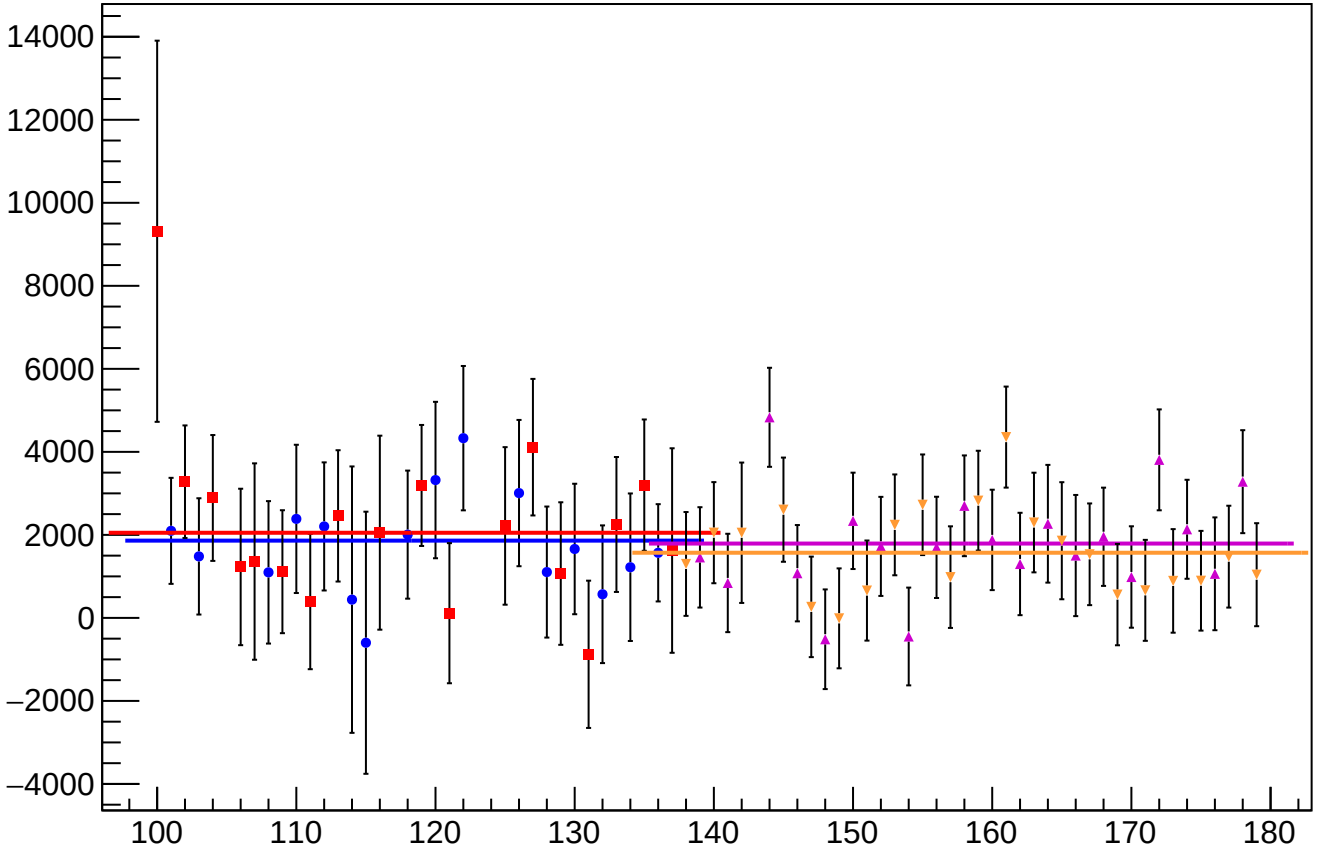
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.621+/-0.004 χ^2/NDF:568422.1/35

Out: 28.096+/-0.004 χ^2/NDF:839887.3/38

All: 28.353+/-0.003 χ^2/NDF: 1415811.5/74

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1790.956+/-274.038 χ^2/NDF:21.0/19

Left: 1679.123+/-192.711 χ^2/NDF: 36.0/40

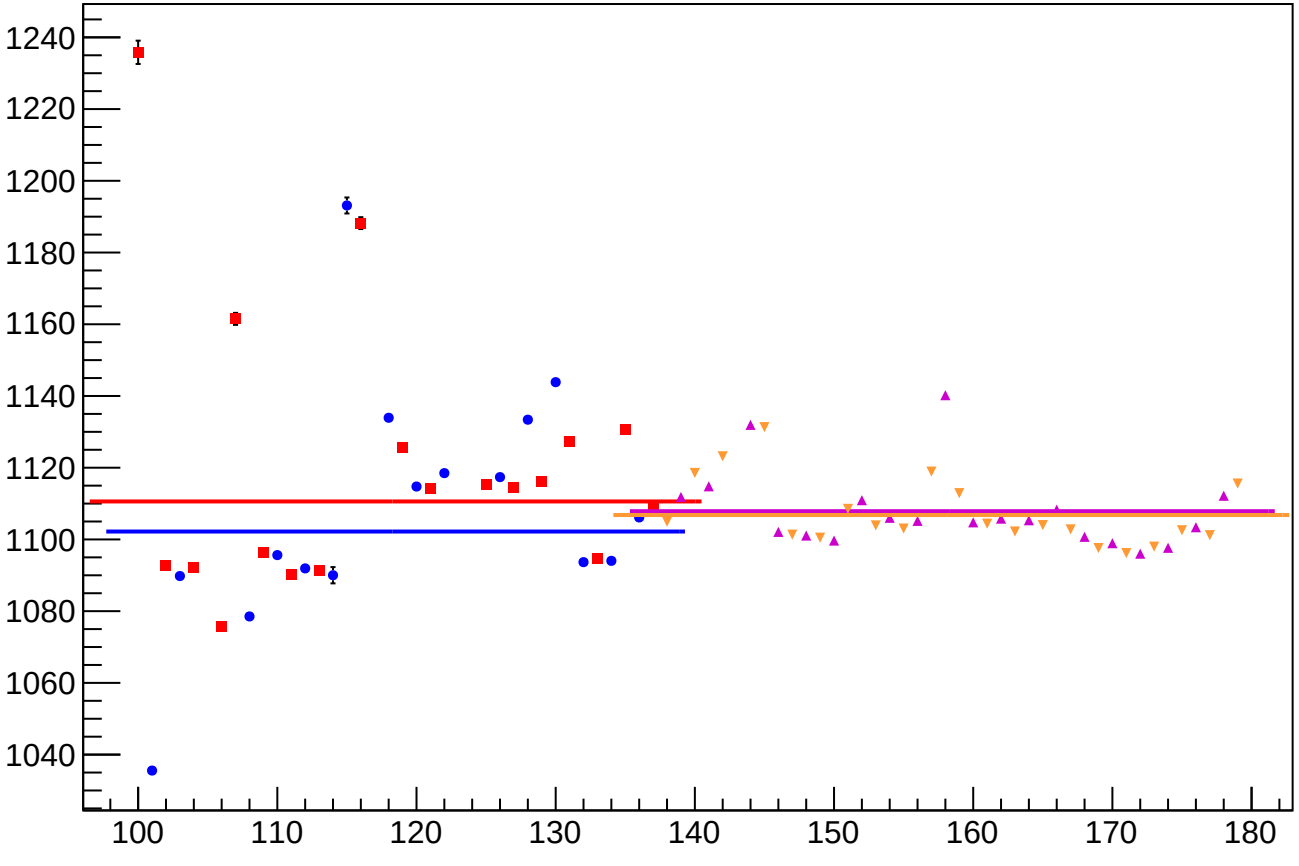
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1812.782+/-227.751 χ^2/NDF:26.4/35

Out: 1716.415+/-225.984 χ^2/NDF:28.1/38

All: 1764.223+/-160.416 χ^2/NDF: 54.6/74

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

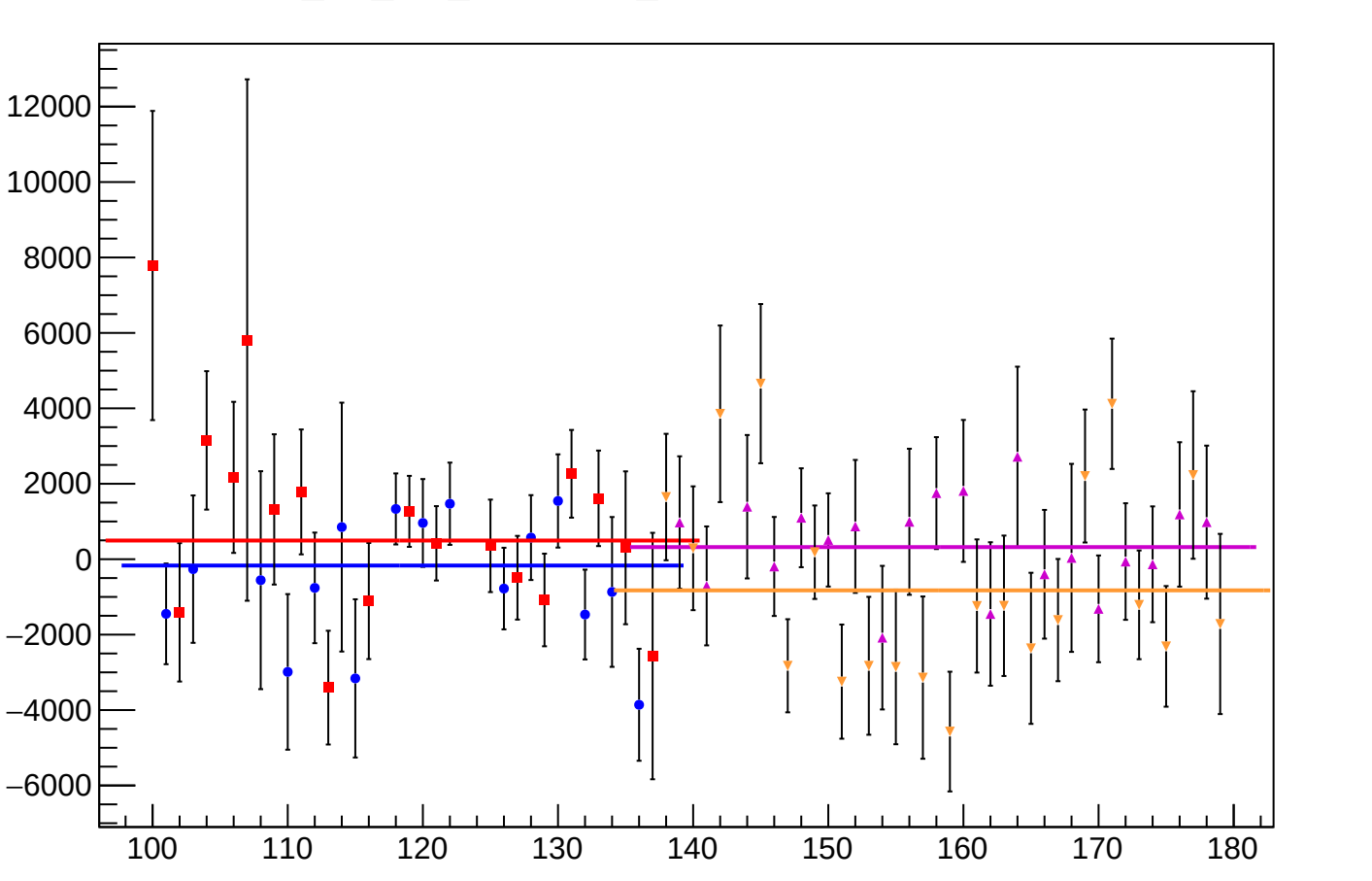
Left: 1107.336+/-0.136 χ^2/NDF: 5286.1/40

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1106.124+/-0.161 χ^2/NDF:14767.0/35

Out: 1107.960+/-0.160 χ^2/NDF:9932.7/38

All: 1107.049+/-0.113 χ^2/NDF: 24765.1/74



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

Right Out: 495.172+/-345.054 χ^2/NDF: 23.3/17

Left In: 320.949+/-371.769 χ^2/NDF:8.6/19

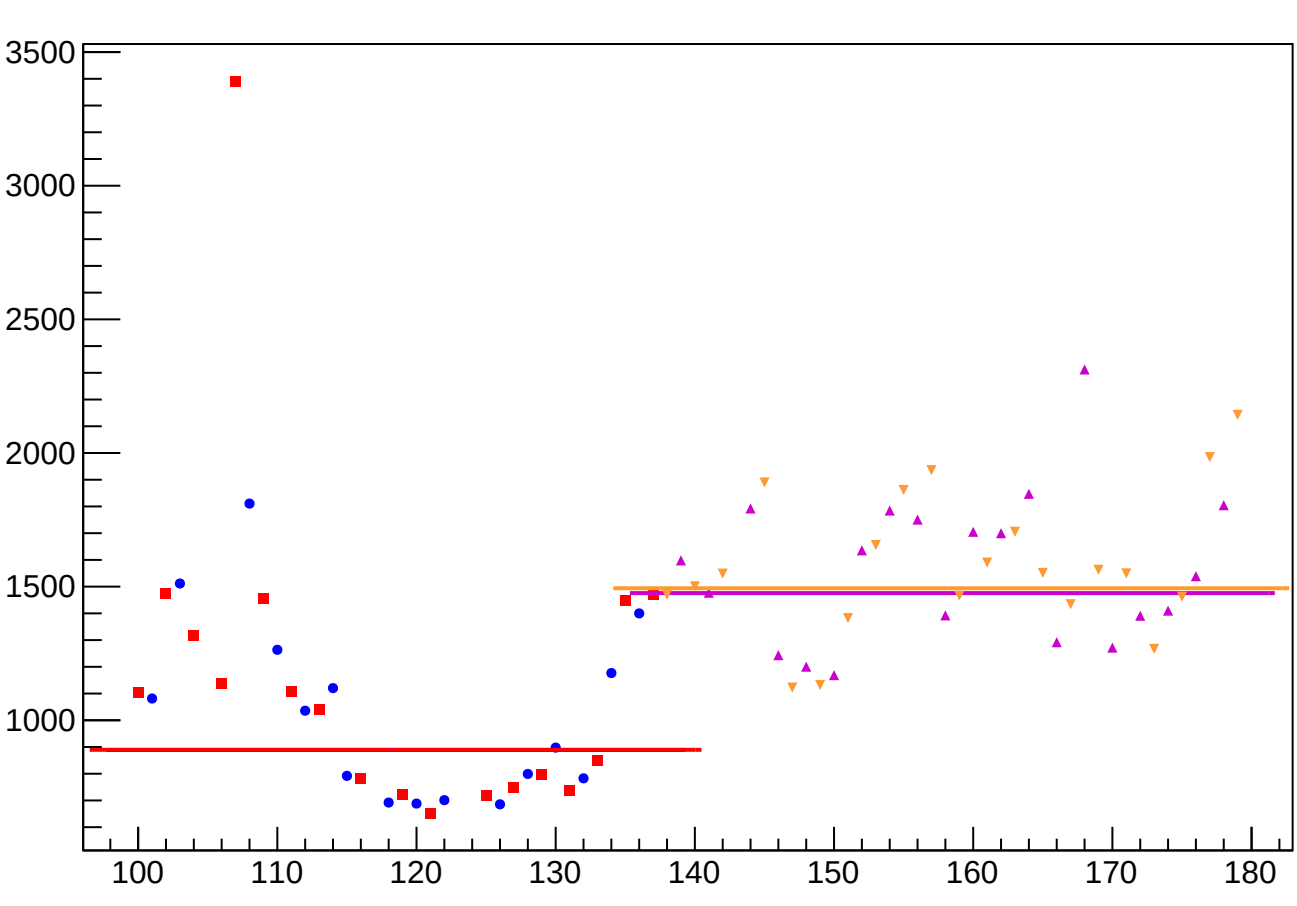
Left: -250.206+/-263.435 χ^2/NDF: 56.6/40

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 58.608+/-253.060 χ^2/NDF:30.6/35

Out: -113.566+/-253.402 χ^2/NDF:73.2/38

All: -27.363+/-179.061 χ^2/NDF: 104.0/74



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

Left: 1484.869+/-0.186 χ^2/NDF: 1853513.3/40

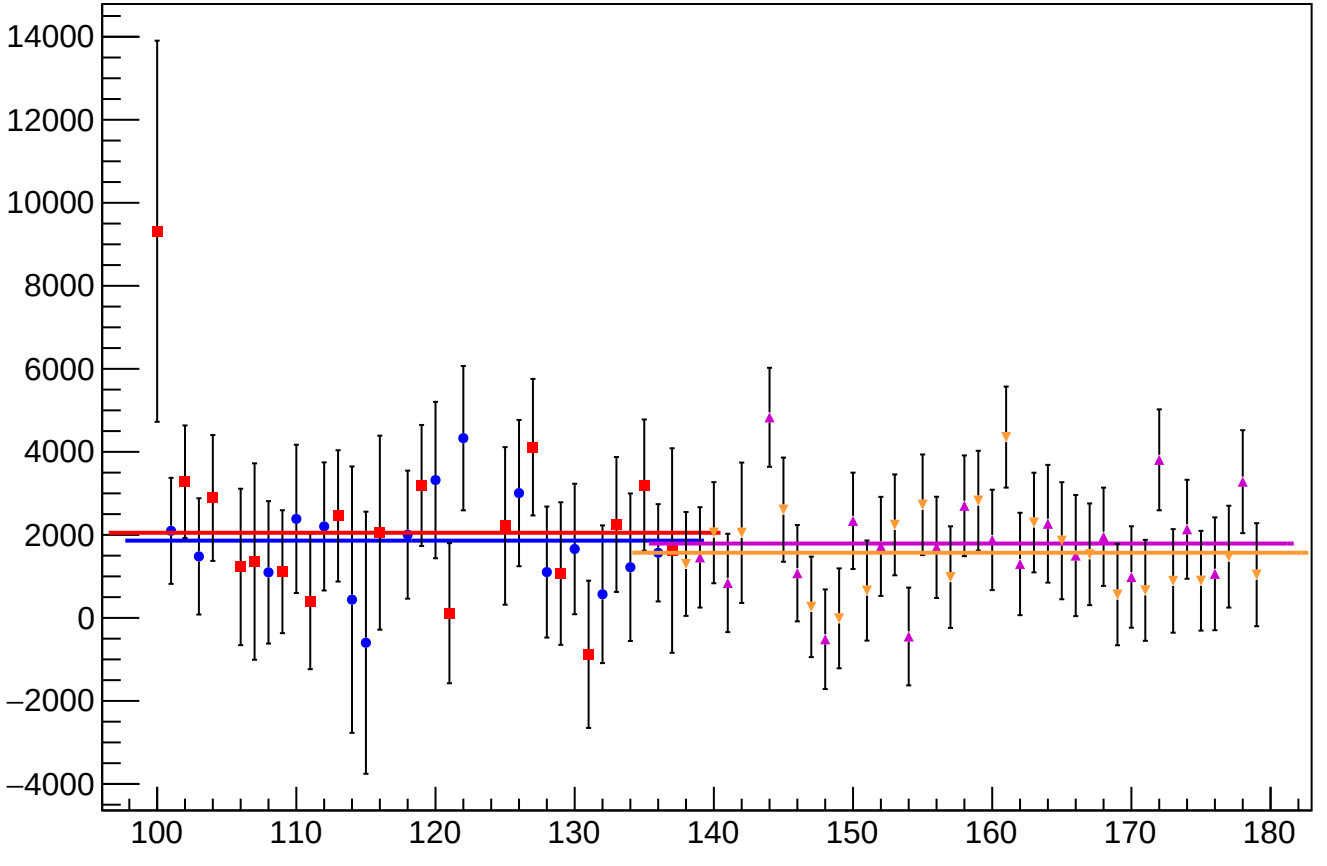
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1160.882+/-0.179 χ^2/NDF:4722765.8/35

Out: 1167.961+/-0.179 χ^2/NDF:5109450.6/38

All: 1164.417+/-0.127 χ^2/NDF: 9832997.9/74

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1790.956+/-274.038 χ^2/NDF:21.0/19

Left: 1679.123+/-192.711 χ^2/NDF: 36.0/40

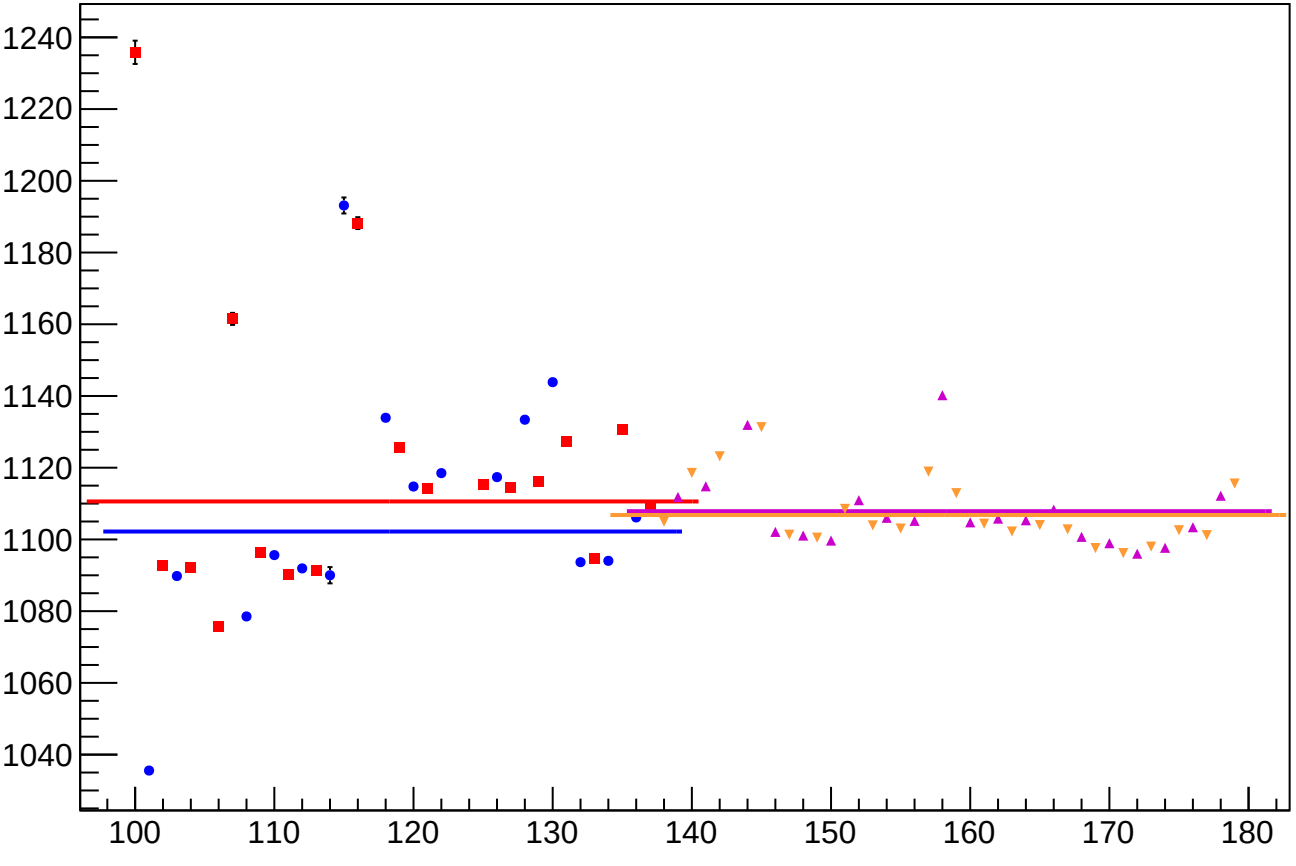
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1812.782+/-227.751 χ^2/NDF:26.4/35

Out: 1716.415+/-225.984 χ^2/NDF:28.1/38

All: 1764.223+/-160.416 χ^2/NDF: 54.6/74

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

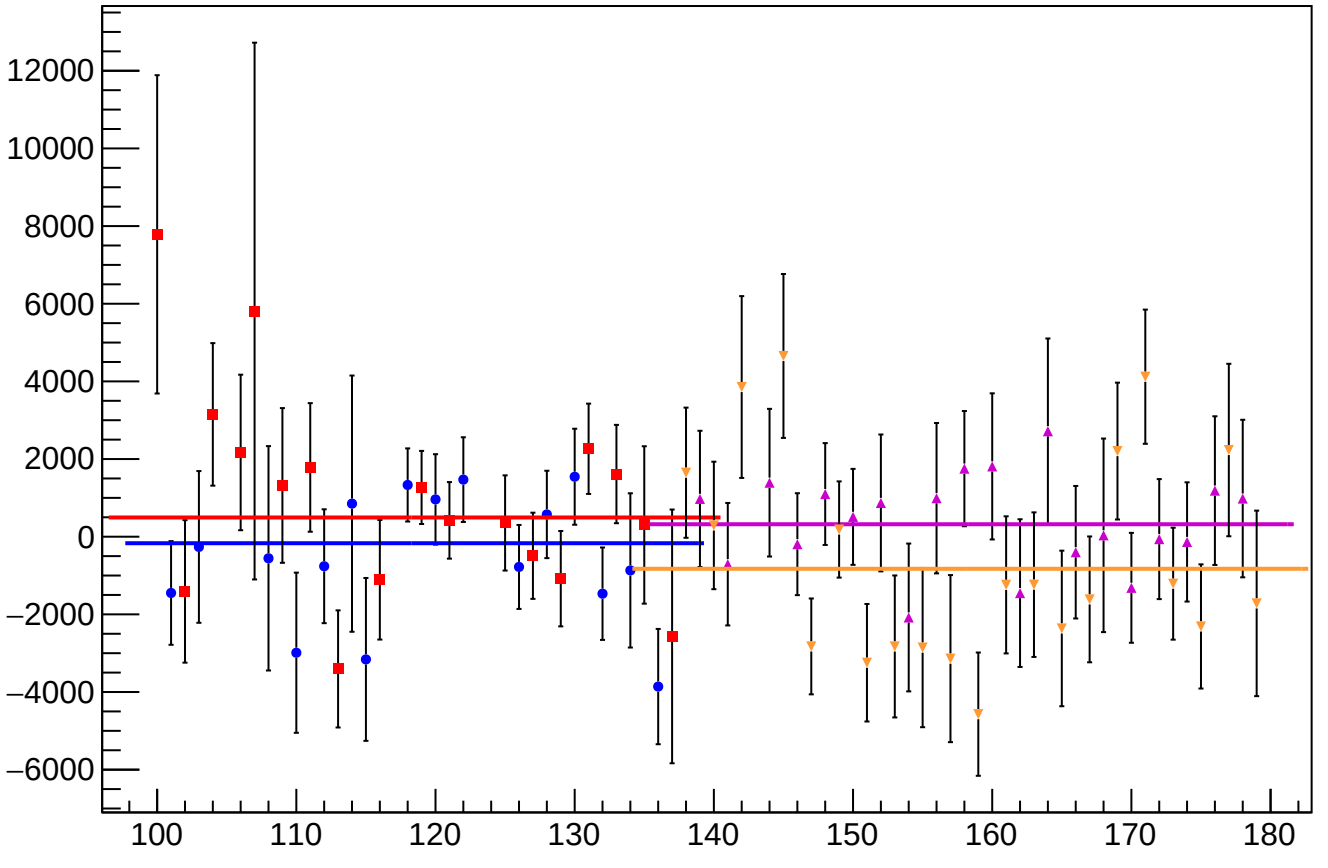
Left: 1107.336+/-0.136 χ^2/NDF: 5286.1/40

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1106.124+/-0.161 χ^2/NDF:14767.0/35

Out: 1107.960+/-0.160 χ^2/NDF:9932.7/38

All: 1107.049+/-0.113 χ^2/NDF: 24765.1/74



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

Right Out: 495.172+/-345.054 χ^2/NDF: 23.3/17

Left In: 320.949+/-371.769 χ^2/NDF:8.6/19

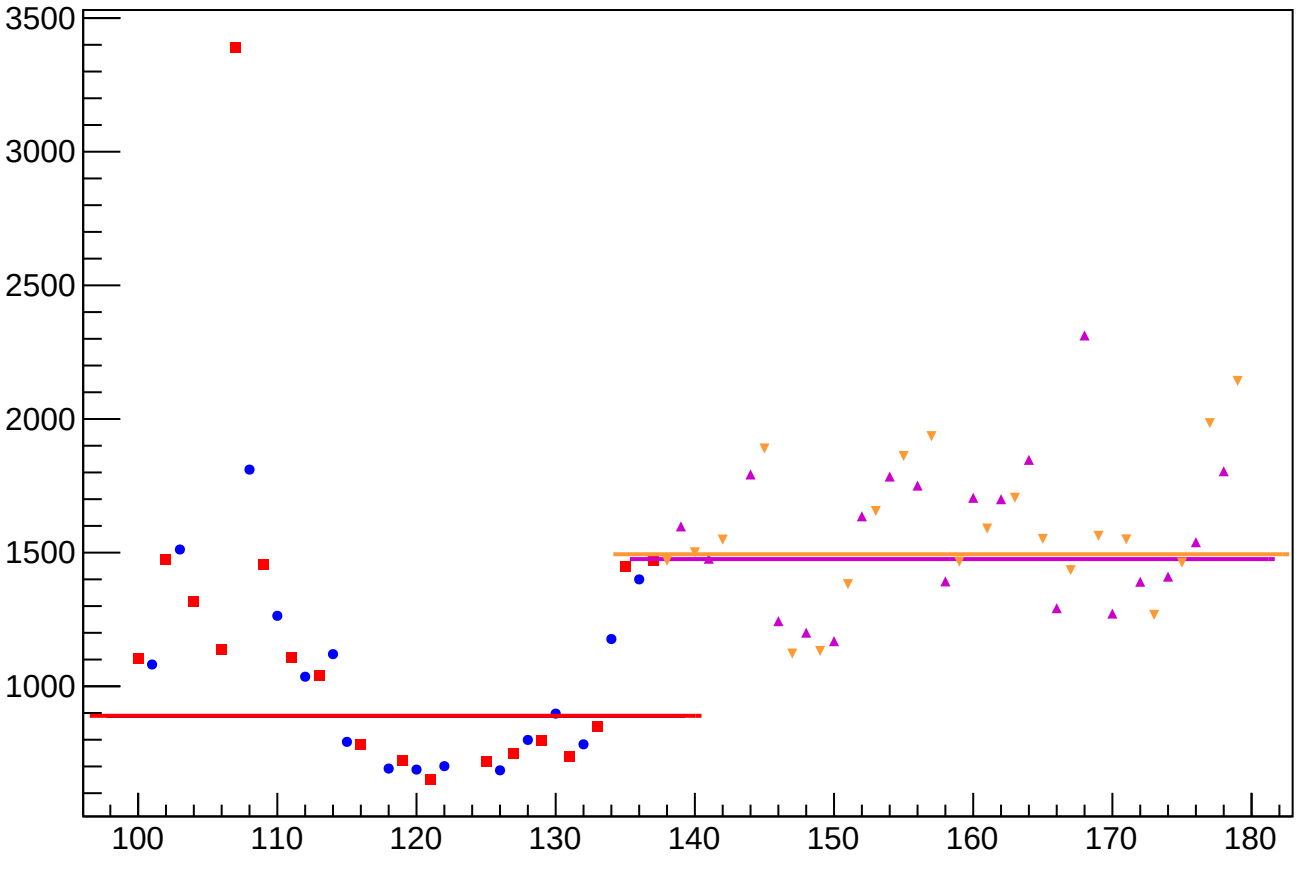
Left: -250.206+/-263.435 χ^2/NDF: 56.6/40

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 58.608+/-253.060 χ^2/NDF:30.6/35

Out: -113.566+/-253.402 χ^2/NDF:73.2/38

All: -27.363+/-179.061 χ^2/NDF: 104.0/74



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

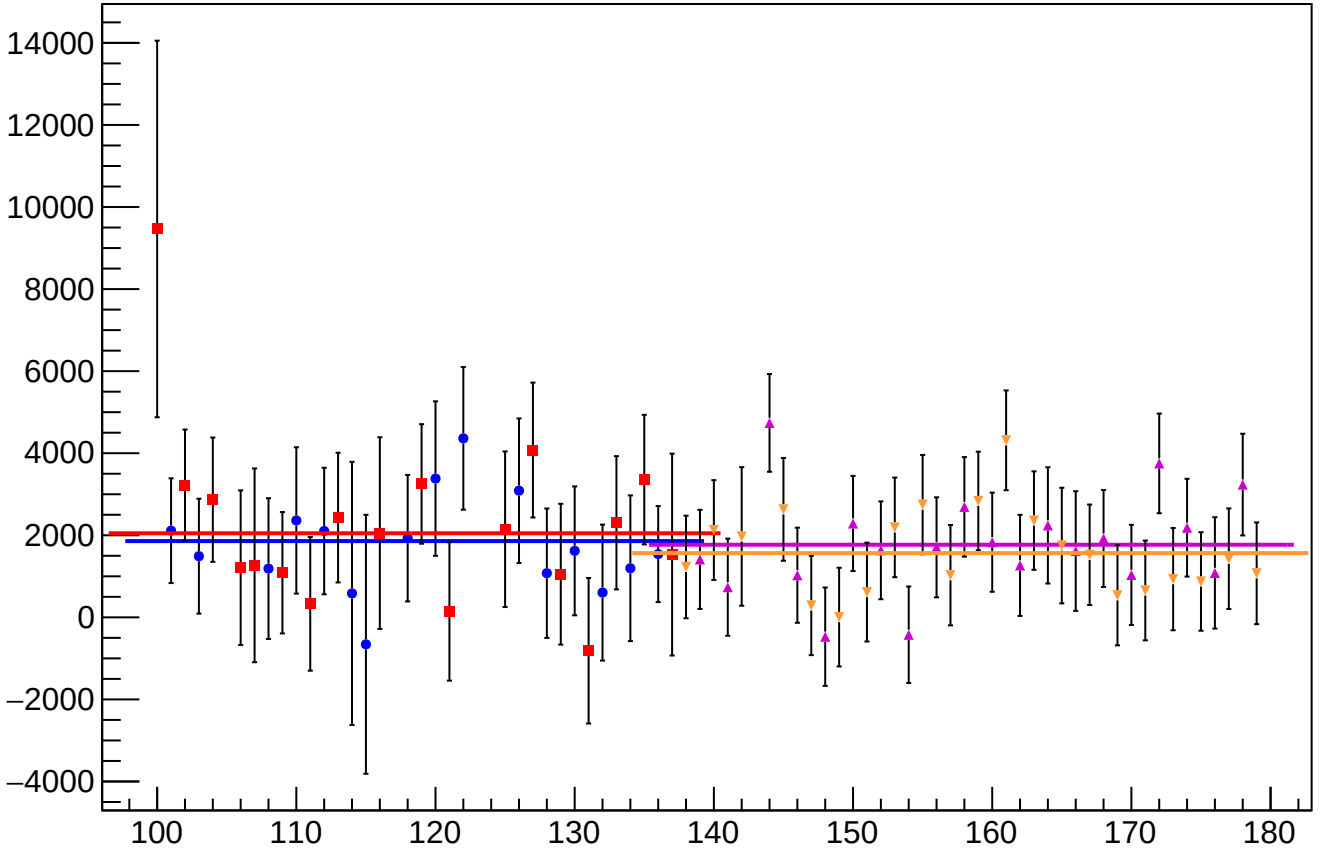
Left: 1484.869+/-0.186 χ^2/NDF: 1853513.3/40

Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1160.882+/-0.179 χ^2/NDF:4722765.8/35

Out: 1167.961+/-0.179 χ^2/NDF:5109450.6/38

All: 1164.417+/-0.127 χ^2/NDF: 9832997.9/74



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

Left Out: 1565.771+/-270.796 χ^2/NDF:14.6/20

Right Out: 2048.674+/-408.894 χ^2/NDF: 12.7/17

Left In: 1769.502+/-273.776 χ^2/NDF:20.4/19

Left: 1666.522+/-192.527 χ^2/NDF: 35.2/40

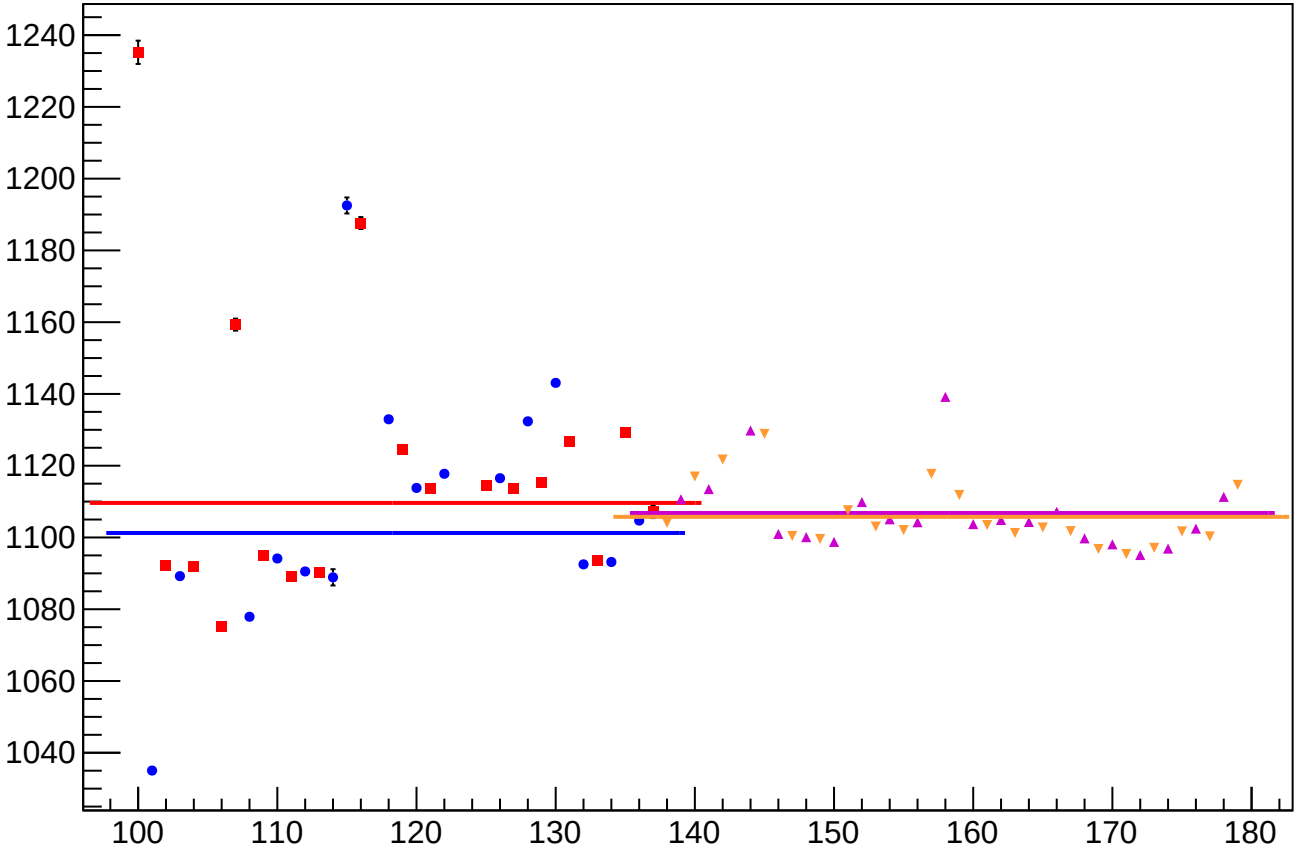
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1797.081+/-227.540 χ^2/NDF:25.8/35

Out: 1712.998+/-225.774 χ^2/NDF:28.3/38

All: 1754.712+/-160.267 χ^2/NDF: 54.2/74

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

Left Out: 1105.748+/-0.191 χ^2/NDF:1982.8/20

Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1106.824+/-0.194 χ^2/NDF:3059.5/19

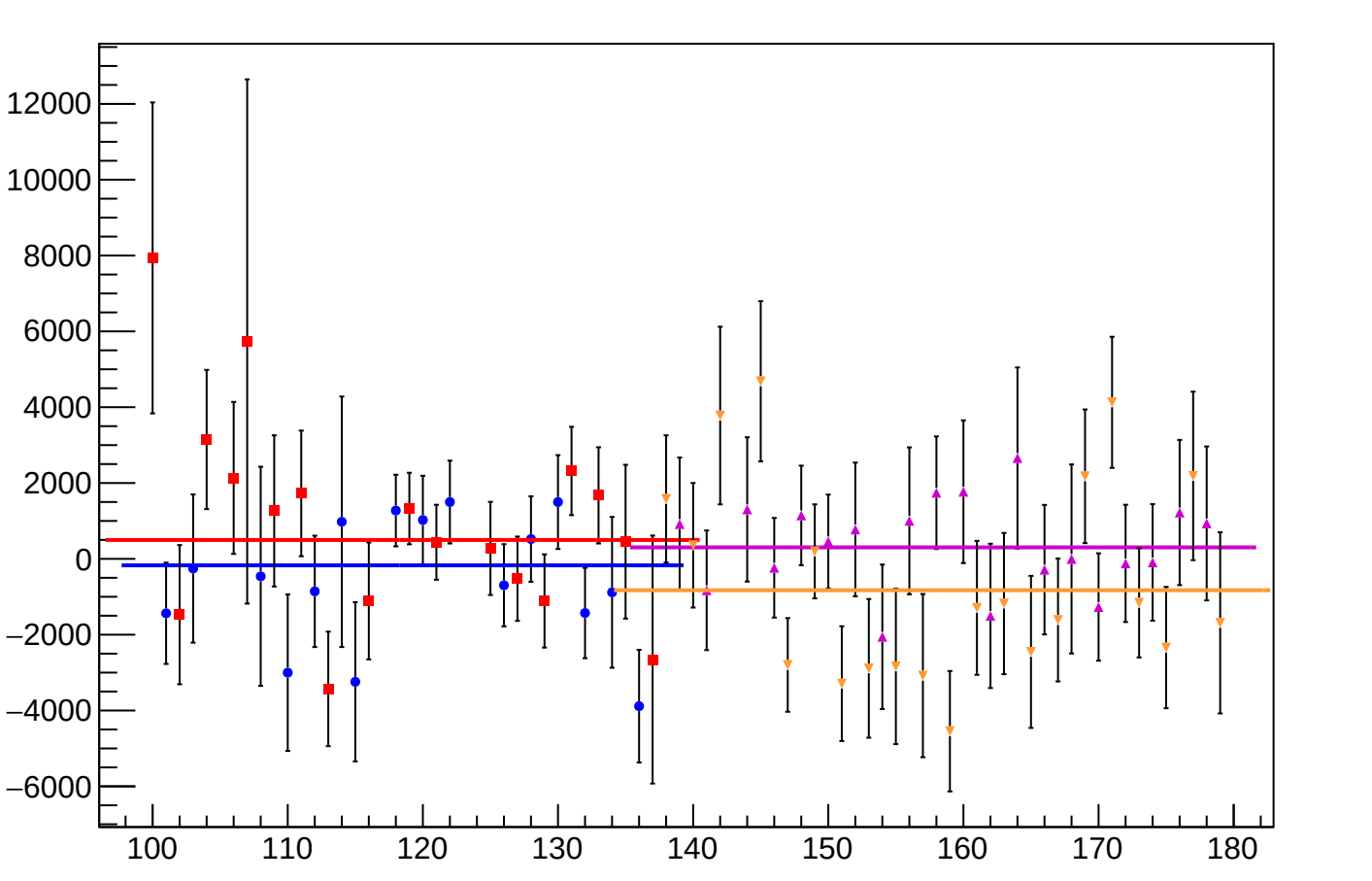
Left: 1106.280+/-0.136 χ^2/NDF: 5057.9/40

Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1105.102+/-0.161 χ^2/NDF:14623.7/35

Out: 1106.931+/-0.160 χ^2/NDF:9781.1/38

All: 1106.023+/-0.113 χ^2/NDF: 24470.0/74



Right In: -170.930+/-345.980 χ^2/NDF: 20.9/15

Left Out: -827.639+/-373.549 χ^2/NDF:43.0/20

Right Out: 497.957+/-345.565 χ^2/NDF: 23.9/17

Left In: 302.435+/-371.978 χ^2/NDF:8.5/19

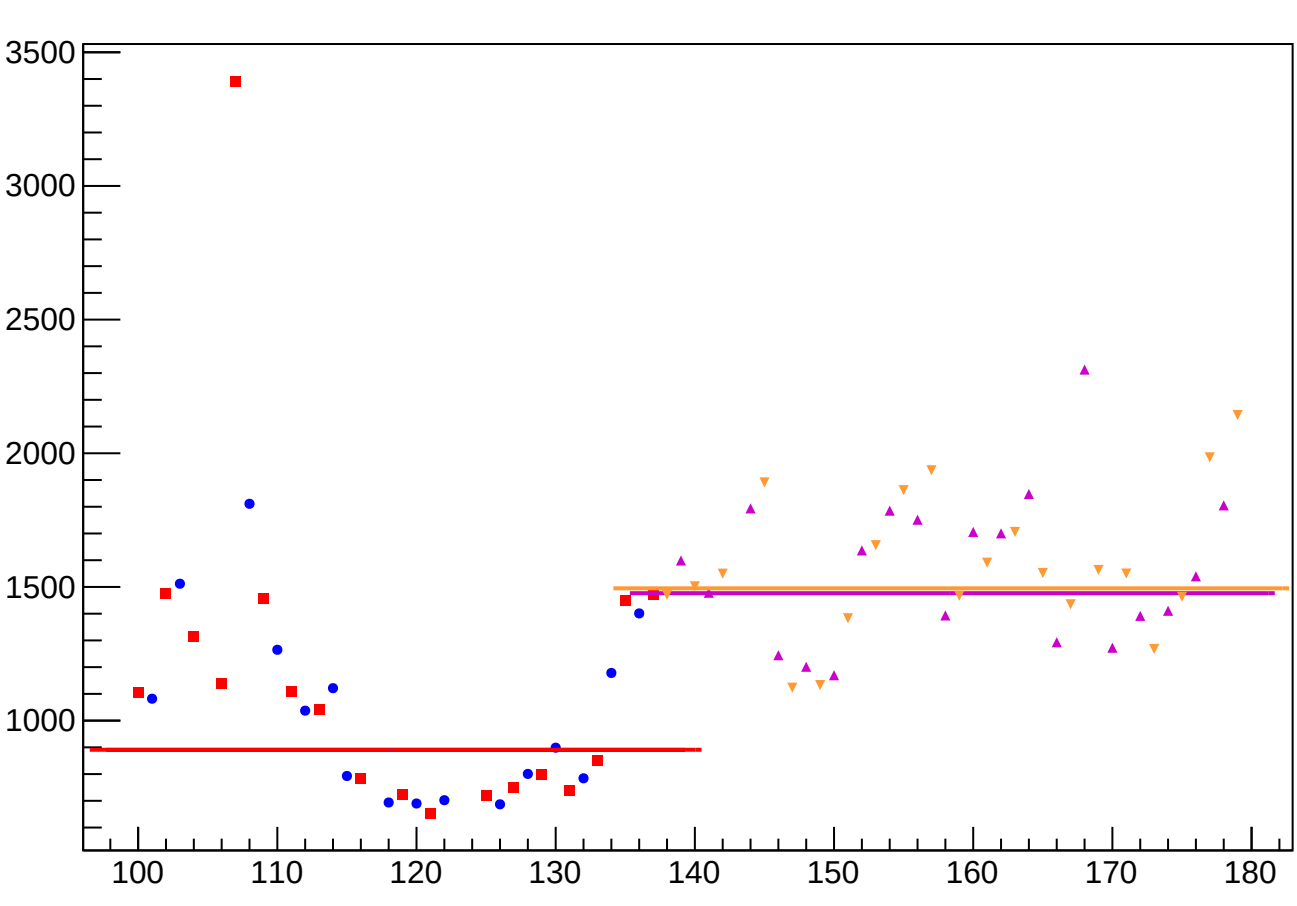
Left: -260.221+/-263.582 χ^2/NDF: 56.1/40

Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: 48.634+/-253.338 χ^2/NDF:30.3/35

Out: -113.335+/-253.668 χ^2/NDF:73.7/38

All: -32.245+/-179.254 χ^2/NDF: 104.2/74



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

Left Out: 1494.849+/-0.264 χ^2/NDF:934409.9/20

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1476.708+/-0.263 χ^2/NDF:913851.3/19

Left: 1485.740+/-0.186 χ^2/NDF: 1850629.5/40

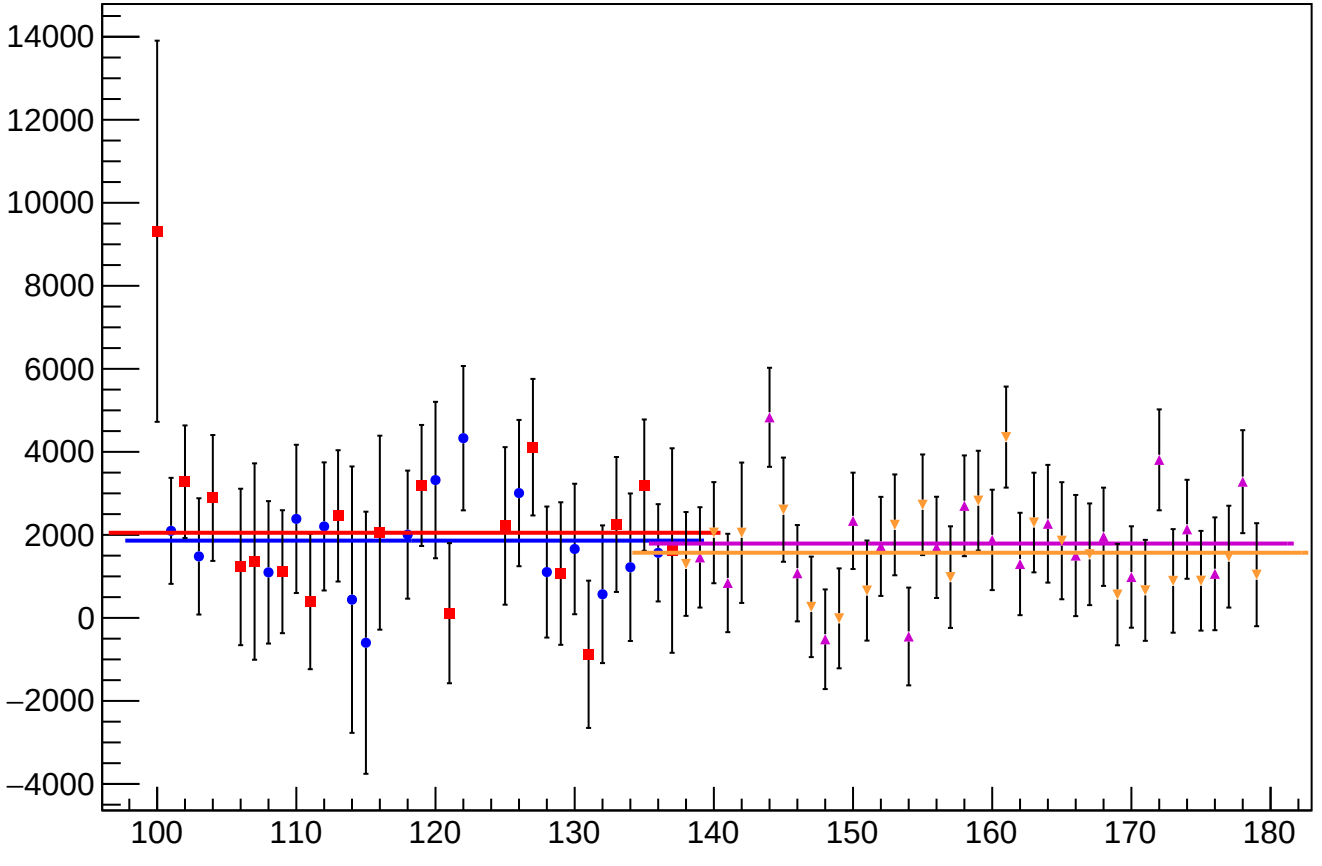
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1162.402+/-0.179 χ^2/NDF:4705789.5/35

Out: 1169.428+/-0.179 χ^2/NDF:5092987.4/38

All: 1165.911+/-0.127 χ^2/NDF: 9799545.2/74

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1569.709+/-271.057 χ^2/NDF:14.6/20

Right Out: 2050.842+/-409.249 χ^2/NDF: 12.5/17

Left In: 1790.956+/-274.038 χ^2/NDF:21.0/19

Left: 1679.123+/-192.711 χ^2/NDF: 36.0/40

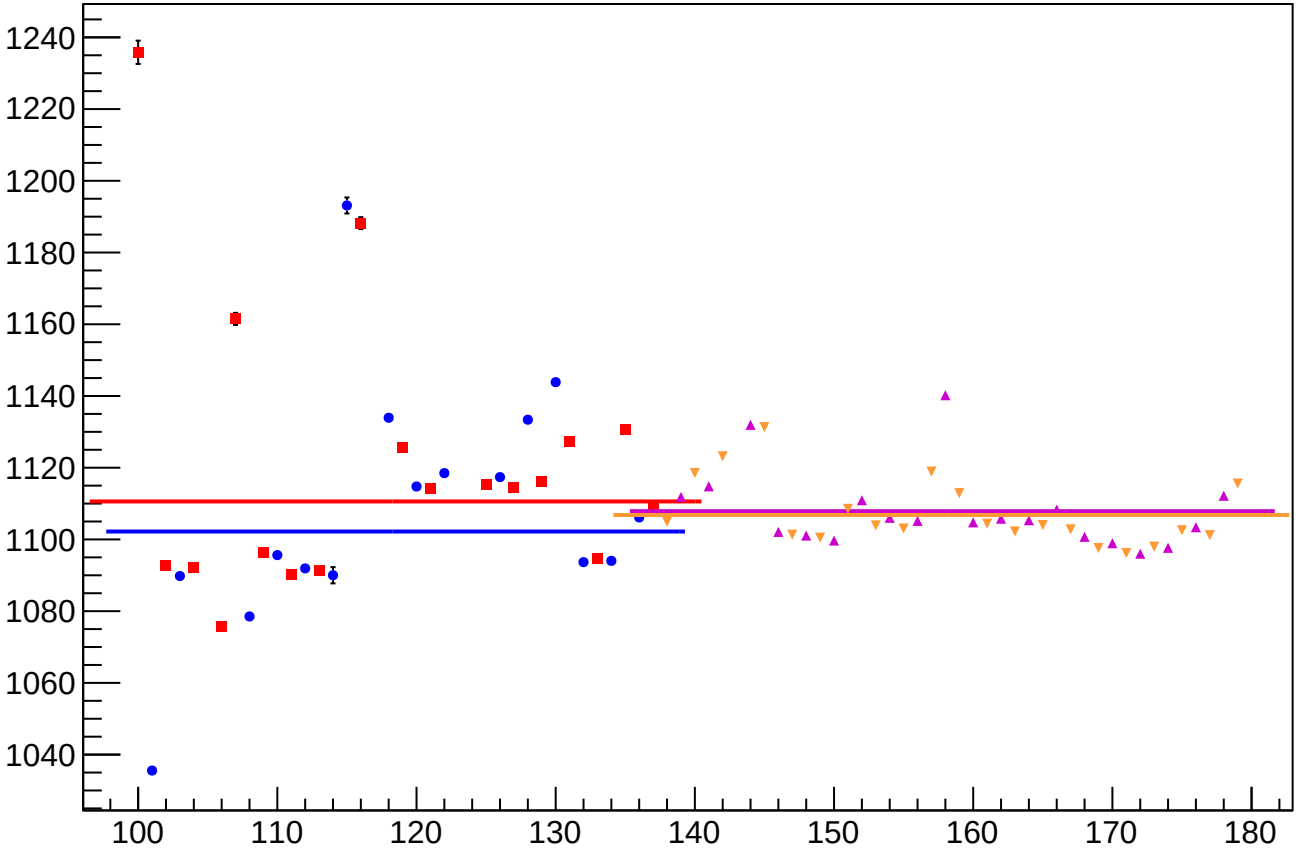
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1812.782+/-227.751 χ^2/NDF:26.4/35

Out: 1716.415+/-225.984 χ^2/NDF:28.1/38

All: 1764.223+/-160.416 χ^2/NDF: 54.6/74

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1106.805+/-0.192 χ^2/NDF:2117.6/20

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1107.879+/-0.194 χ^2/NDF:3152.9/19

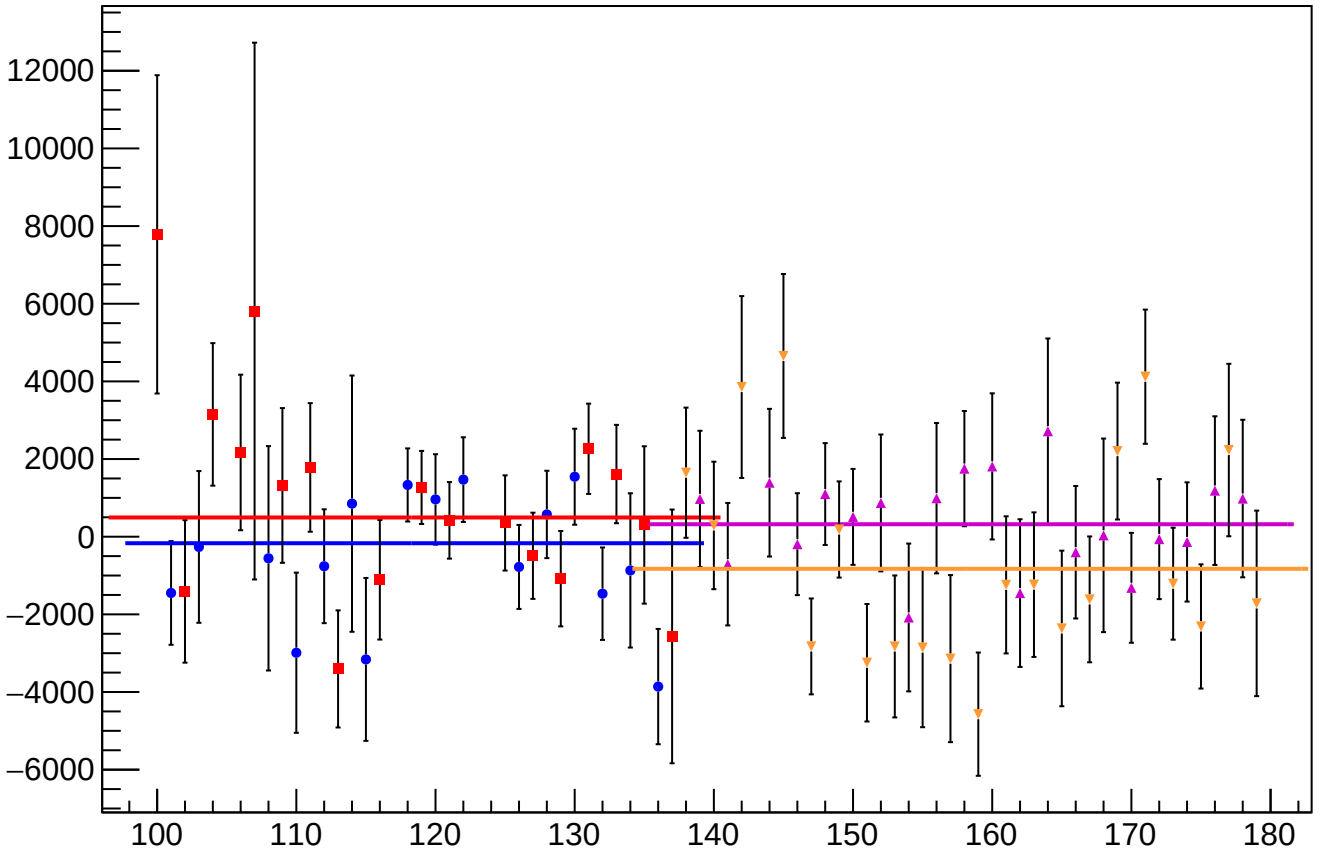
Left: 1107.336+/-0.136 χ^2/NDF: 5286.1/40

Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1106.124+/-0.161 χ^2/NDF:14767.0/35

Out: 1107.960+/-0.160 χ^2/NDF:9932.7/38

All: 1107.049+/-0.113 χ^2/NDF: 24765.1/74



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -826.209+/-373.343 χ^2/NDF:43.2/20

Right Out: 495.172+/-345.054 χ^2/NDF: 23.3/17

Left In: 320.949+/-371.769 χ^2/NDF:8.6/19

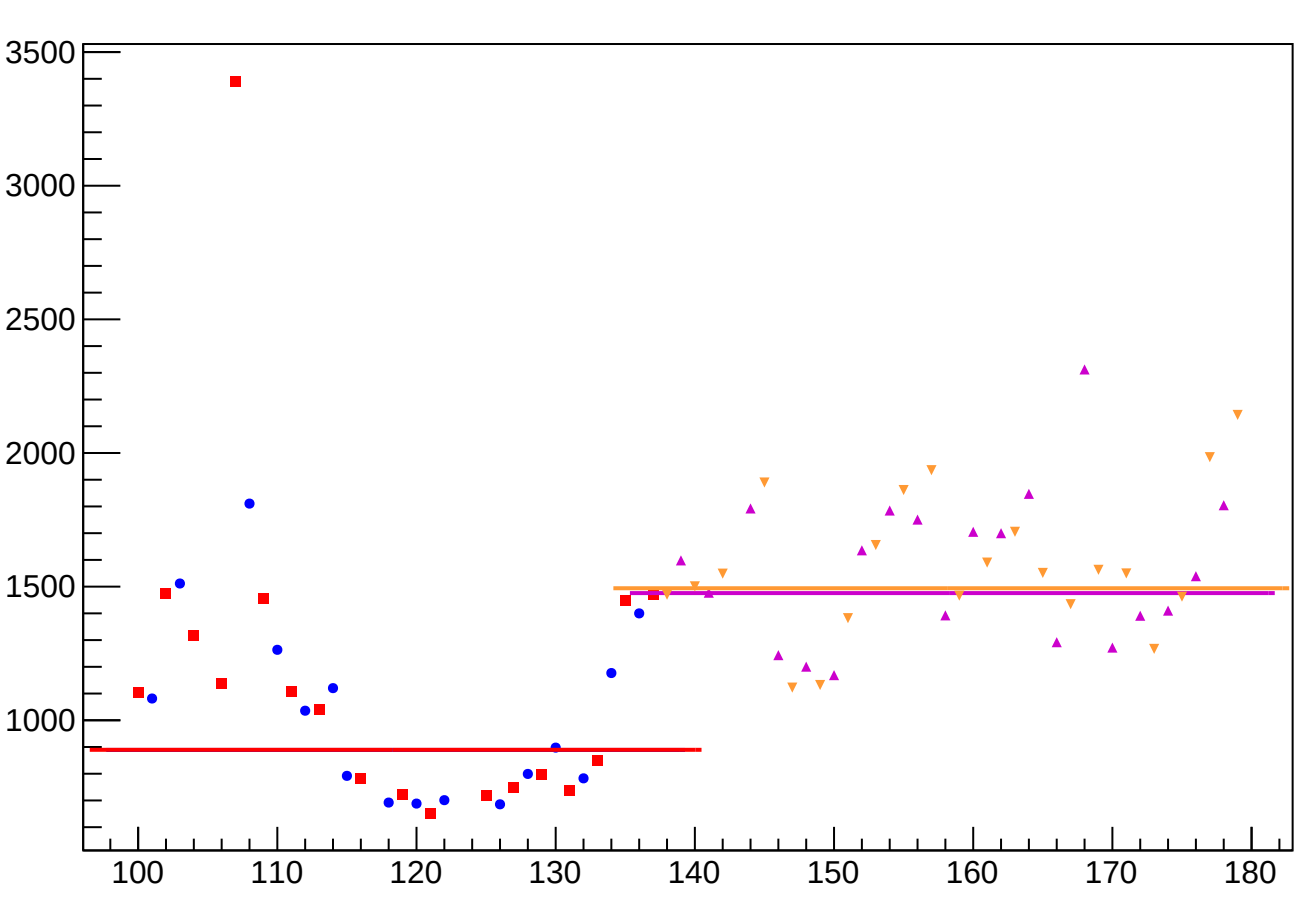
Left: -250.206+/-263.435 χ^2/NDF: 56.6/40

Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 58.608+/-253.060 χ^2/NDF:30.6/35

Out: -113.566+/-253.402 χ^2/NDF:73.2/38

All: -27.363+/-179.061 χ^2/NDF: 104.0/74



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1493.978+/-0.264 χ^2/NDF:935890.5/20

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1475.837+/-0.263 χ^2/NDF:915251.9/19

Left: 1484.869+/-0.186 χ^2/NDF: 1853513.3/40

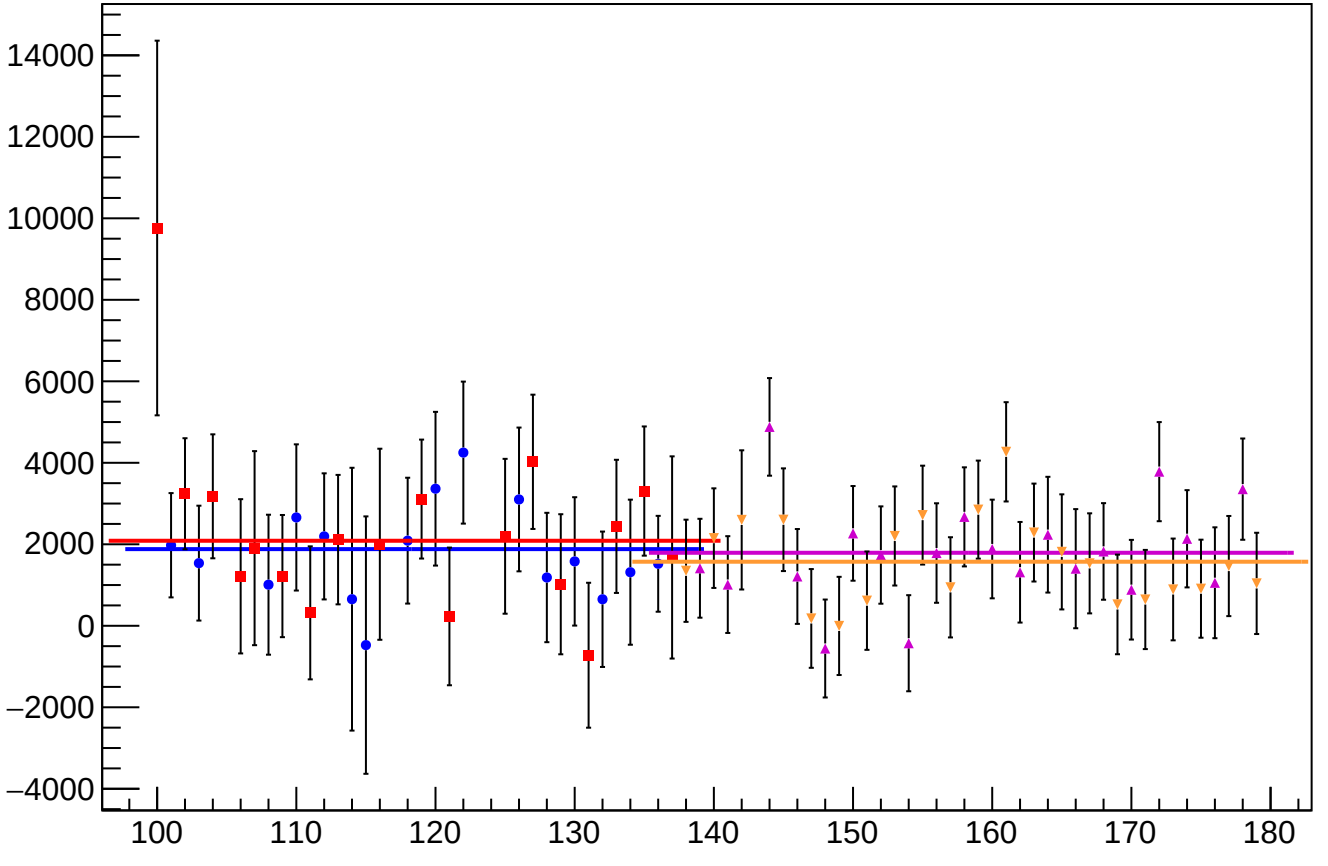
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1160.882+/-0.179 χ^2/NDF:4722765.8/35

Out: 1167.961+/-0.179 χ^2/NDF:5109450.6/38

All: 1164.417+/-0.127 χ^2/NDF: 9832997.9/74

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1572.313+/-271.570 χ^2/NDF:14.9/20

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1791.906+/-274.489 χ^2/NDF:21.0/19

Left: 1680.936+/-193.053 χ^2/NDF: 36.2/40

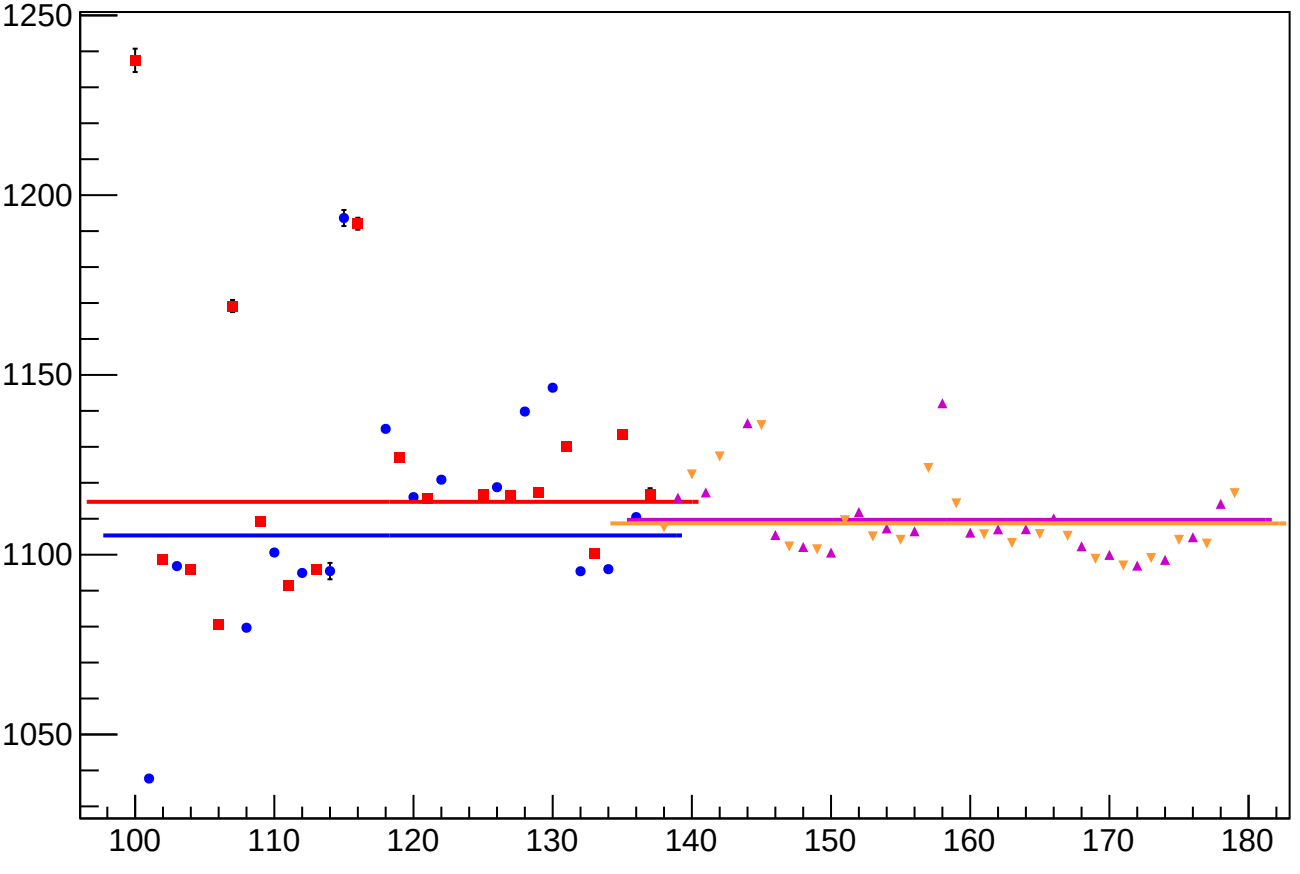
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1819.577+/-228.212 χ^2/NDF:26.2/35

Out: 1728.811+/-226.540 χ^2/NDF:28.4/38

All: 1773.860+/-160.776 χ^2/NDF: 54.7/74

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1108.702+/-0.192 χ^2/NDF:2635.7/20

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

Left: 1109.186+/-0.137 χ^2/NDF: 6151.0/40

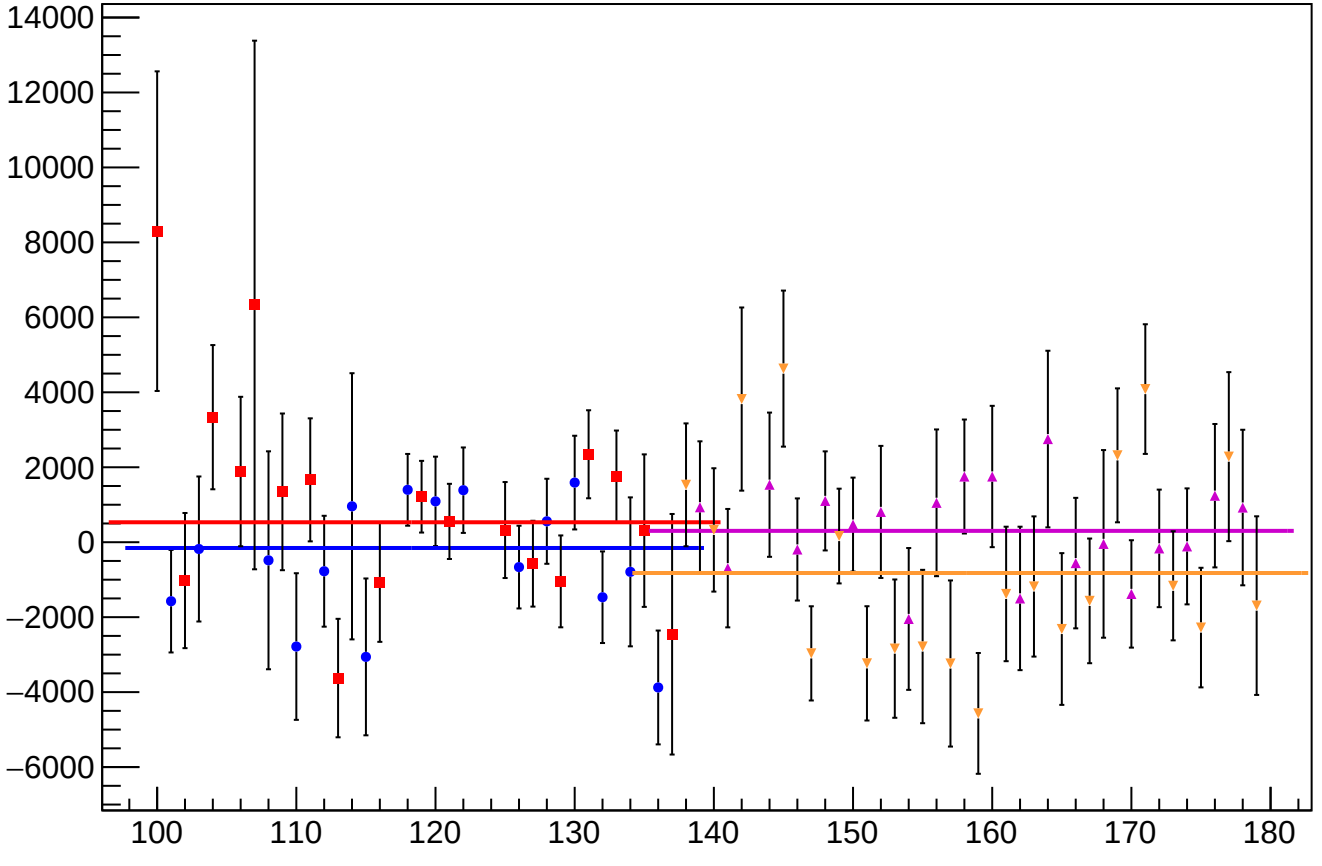
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.345+/-0.161 χ^2/NDF:14986.7/35

Out: 1110.528+/-0.160 χ^2/NDF:10263.2/38

All: 1109.444+/-0.114 χ^2/NDF: 25342.1/74

asym_usl_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -821.506+/-376.978 χ^2/NDF:42.7/20

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 302.746+/-375.900 χ^2/NDF:8.8/19

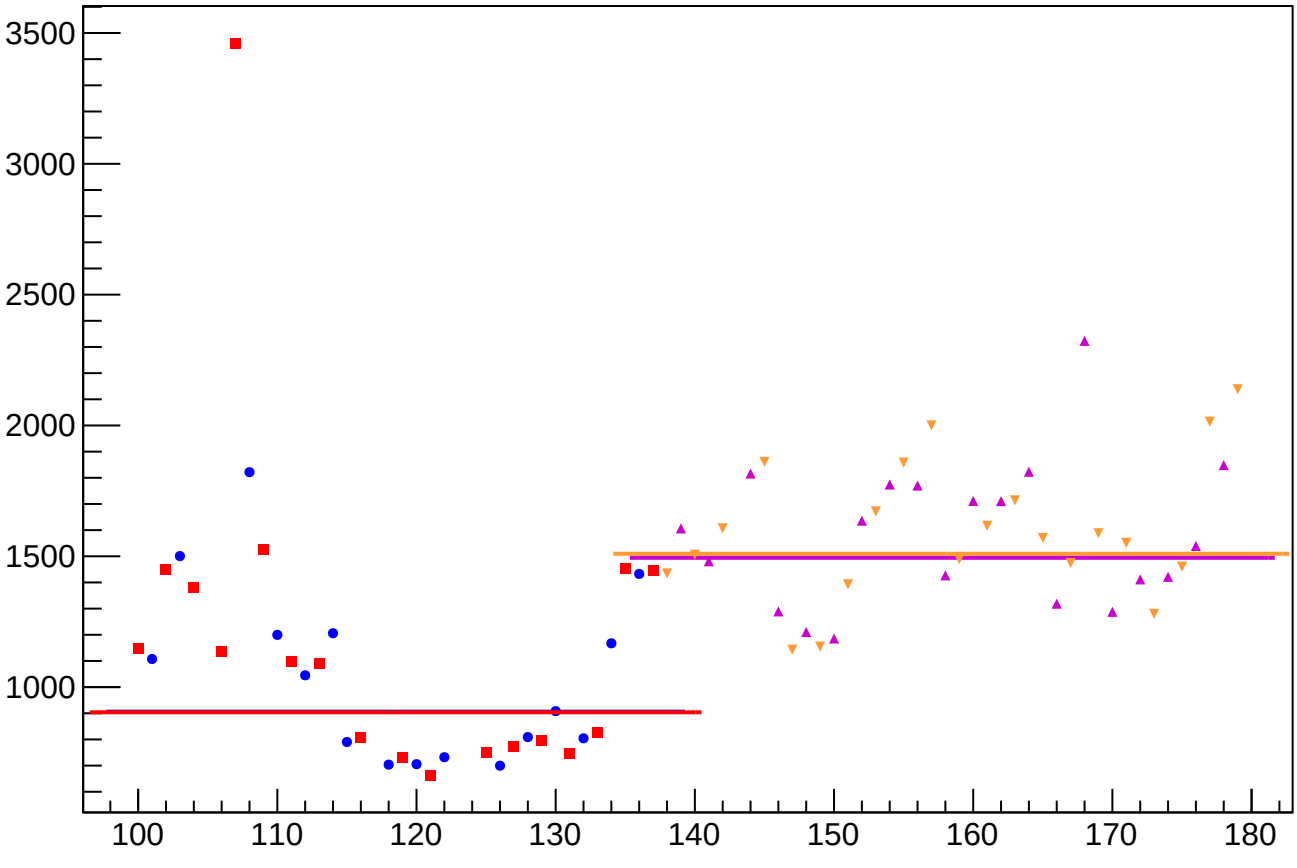
Left: -257.770+/-266.182 χ^2/NDF: 56.0/40

Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 58.951+/-256.670 χ^2/NDF:30.1/35

Out: -95.292+/-256.655 χ^2/NDF:72.8/38

All: -18.175+/-181.488 χ^2/NDF: 103.1/74



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1509.657+/-0.267 χ^2/NDF:905549.4/20

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1494.263+/-0.266 χ^2/NDF:865104.3/19

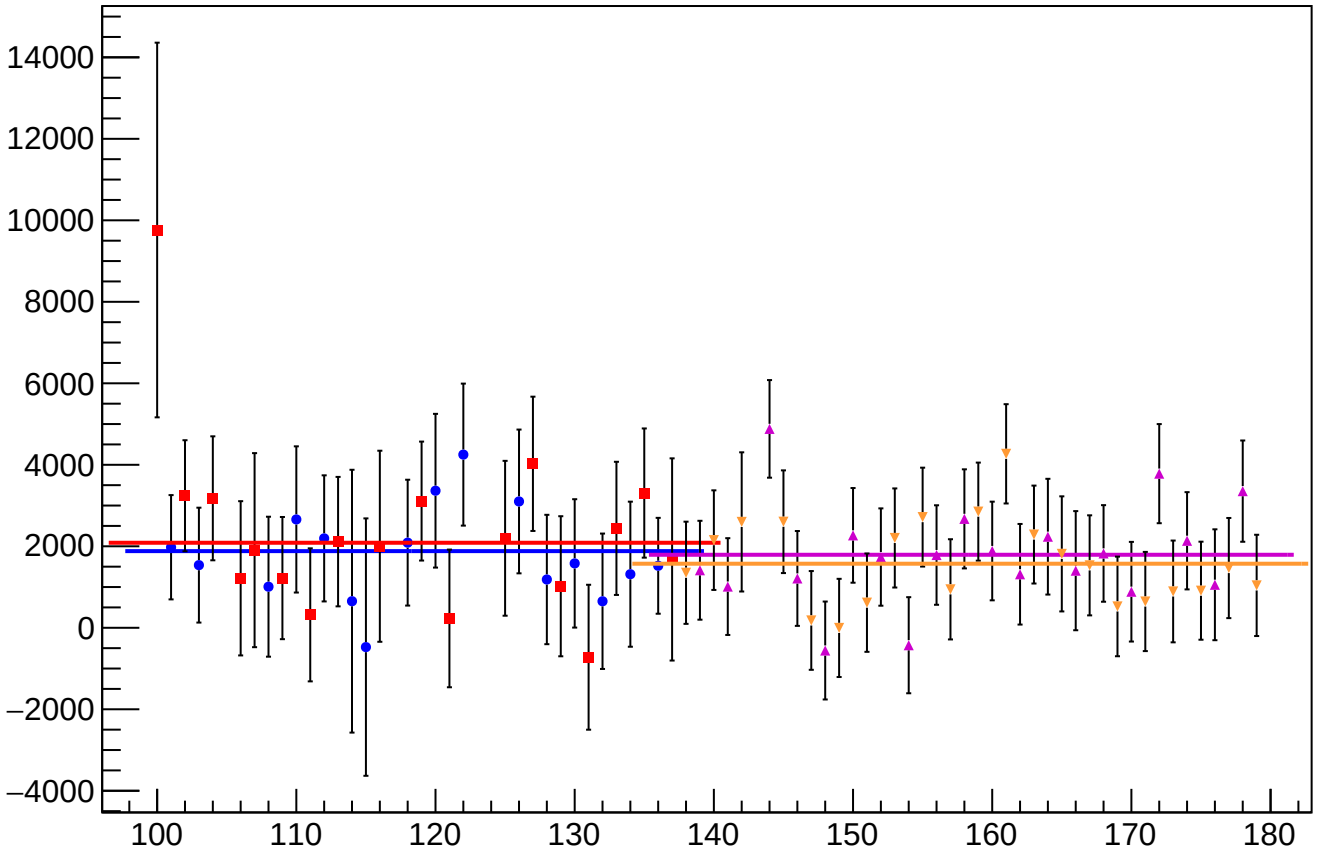
Left: 1501.938+/-0.188 χ^2/NDF: 1772326.1/40

Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1180.288+/-0.181 χ^2/NDF:4558654.3/35

Out: 1184.601+/-0.181 χ^2/NDF:5017313.6/38

All: 1182.445+/-0.128 χ^2/NDF: 9576250.3/74



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1572.310+/-271.570 χ^2/NDF:14.9/20

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1791.908+/-274.489 χ^2/NDF:21.0/19

Left: 1680.935+/-193.053 χ^2/NDF: 36.2/40

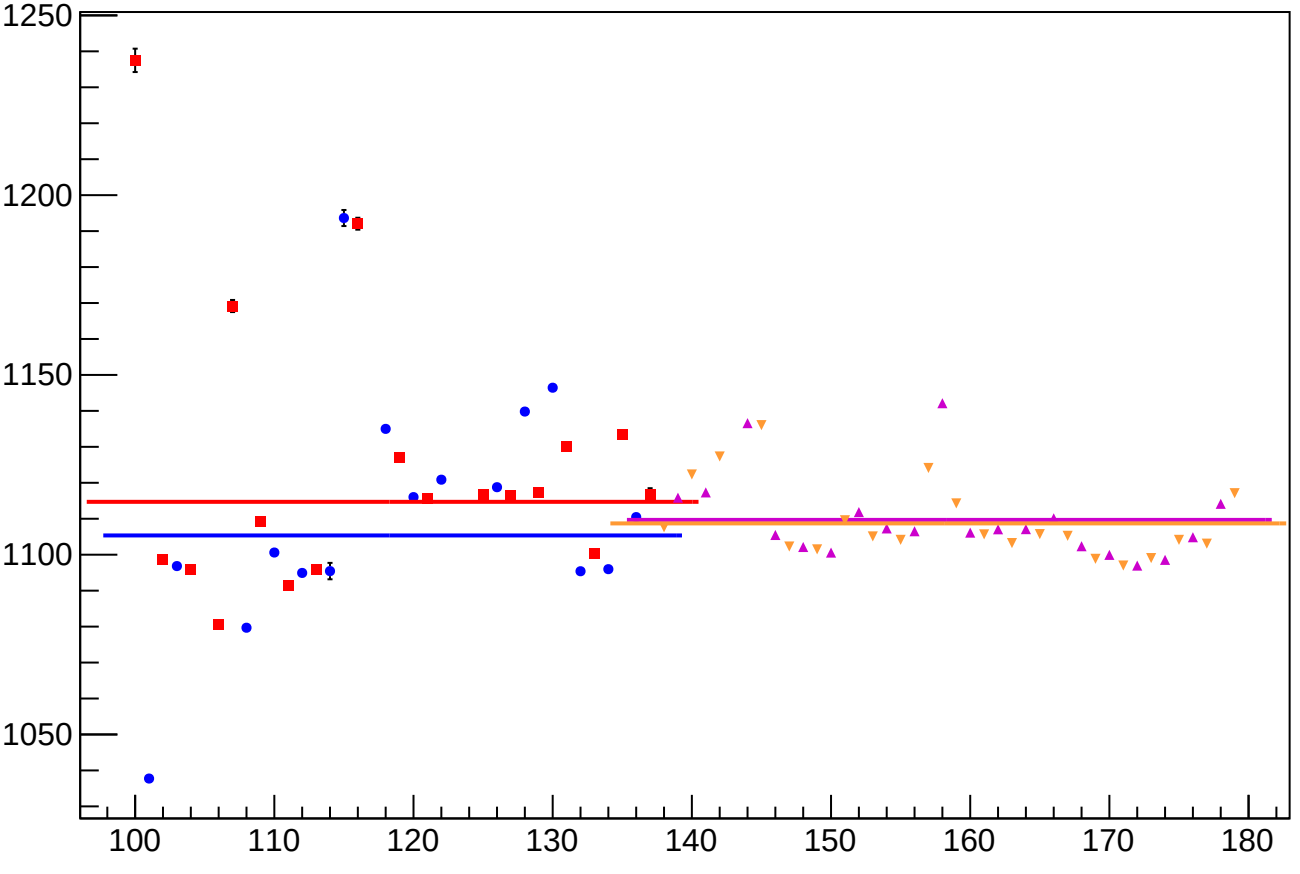
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1819.578+/-228.212 χ^2/NDF:26.2/35

Out: 1728.808+/-226.540 χ^2/NDF:28.4/38

All: 1773.859+/-160.776 χ^2/NDF: 54.7/74

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1108.702+/-0.192 χ^2/NDF:2635.7/20

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

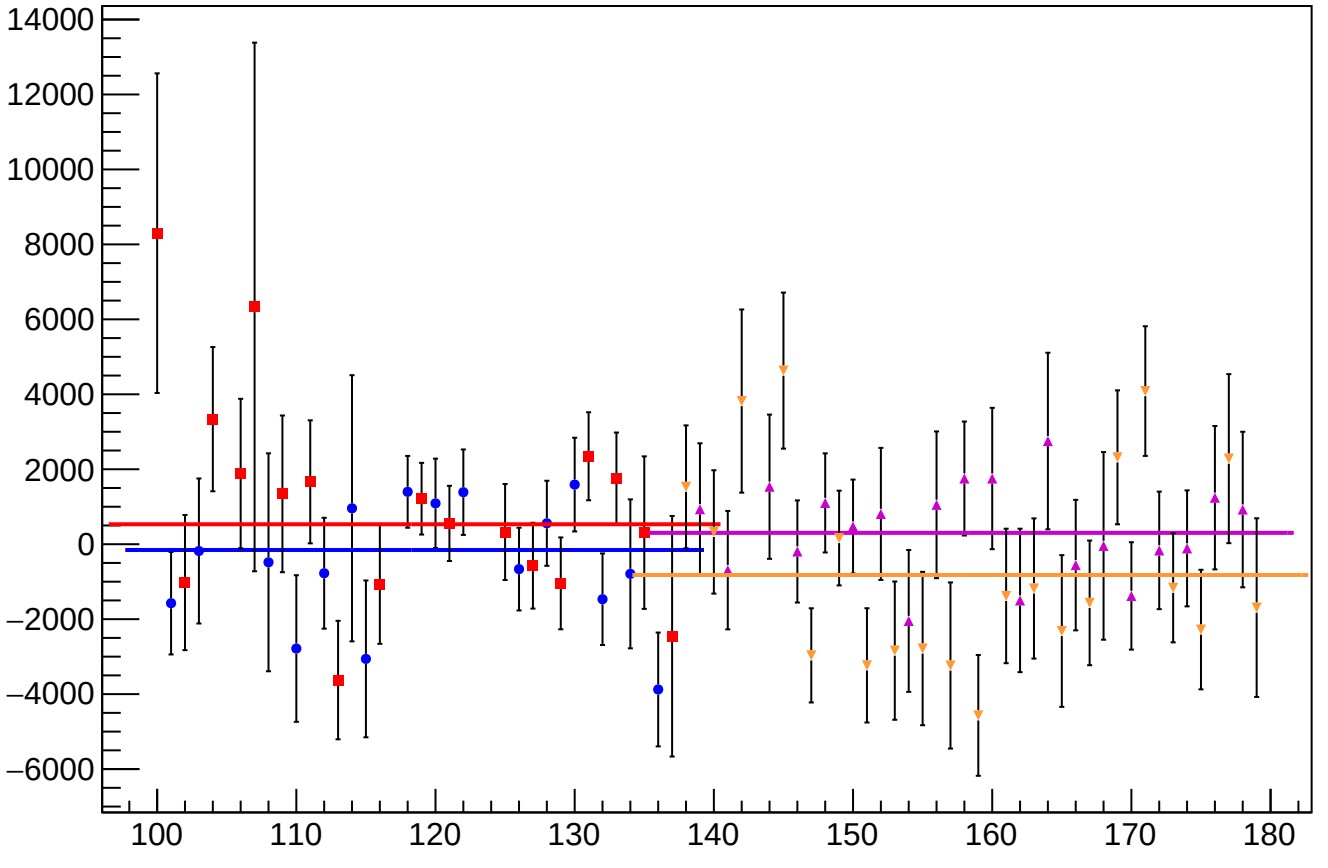
Left: 1109.186+/-0.137 χ^2/NDF: 6151.0/40

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.345+/-0.161 χ^2/NDF:14986.7/35

Out: 1110.528+/-0.160 χ^2/NDF:10263.1/38

All: 1109.444+/-0.114 χ^2/NDF: 25342.0/74



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -821.510+/-376.979 χ^2/NDF:42.7/20

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 302.747+/-375.900 χ^2/NDF:8.8/19

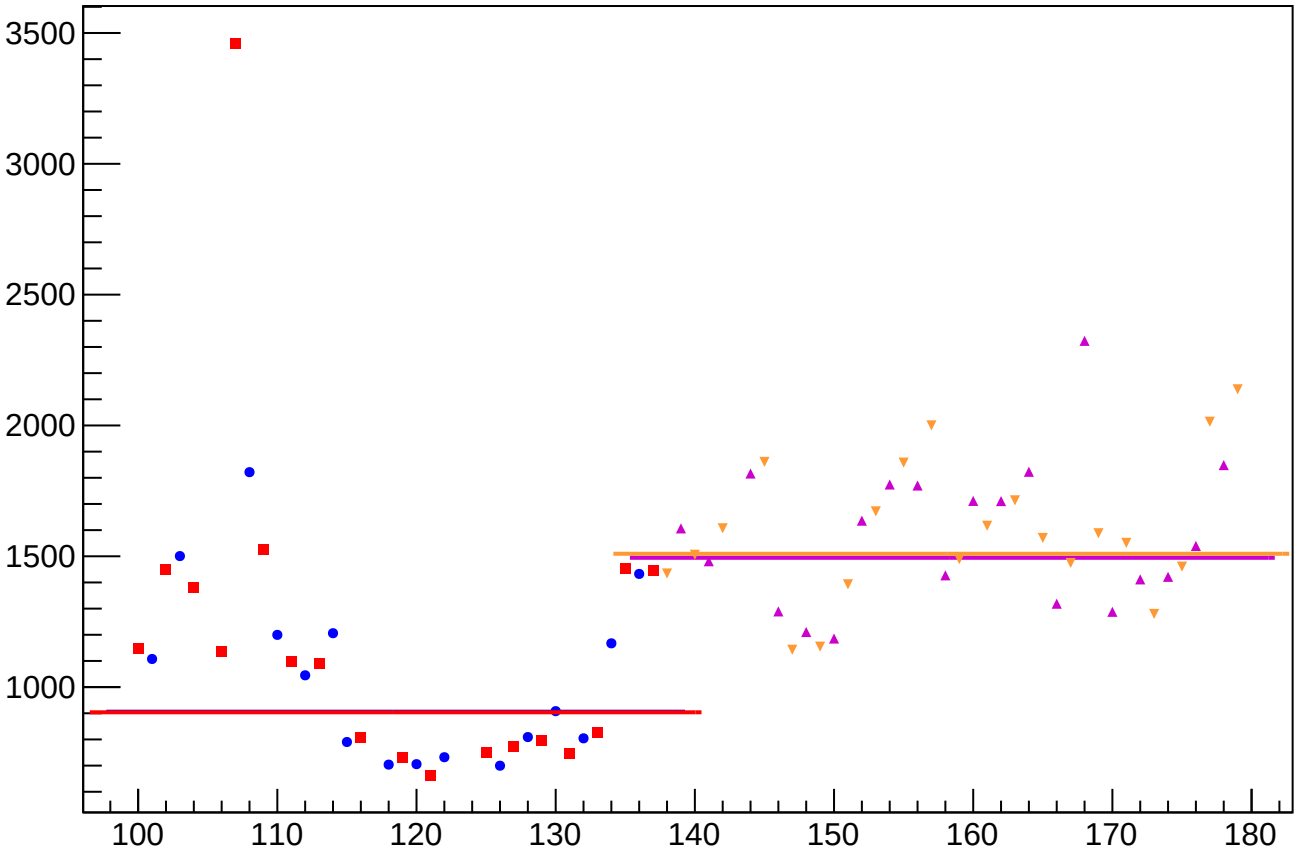
Left: -257.772+/-266.182 χ^2/NDF: 56.0/40

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 58.952+/-256.670 χ^2/NDF:30.1/35

Out: -95.292+/-256.655 χ^2/NDF:72.8/38

All: -18.175+/-181.488 χ^2/NDF: 103.1/74



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1509.659+/-0.267 χ^2/NDF:905545.6/20

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1494.264+/-0.266 χ^2/NDF:865100.9/19

Left: 1501.939+/-0.188 χ^2/NDF: 1772318.9/40

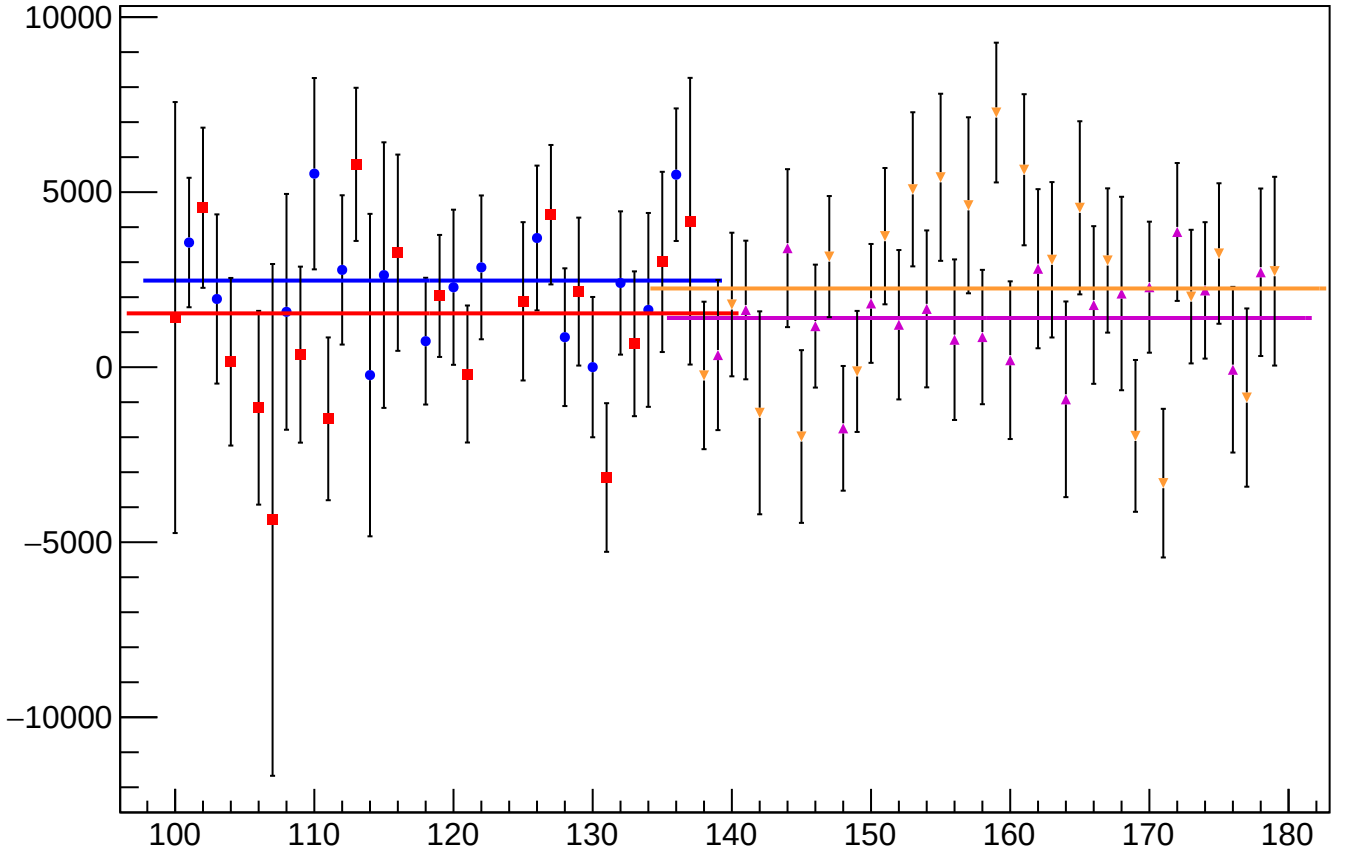
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1180.287+/-0.181 χ^2/NDF:4558688.7/35

Out: 1184.600+/-0.181 χ^2/NDF:5017349.8/38

All: 1182.443+/-0.128 χ^2/NDF: 9576320.8/74

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2248.515+/-469.538 χ^2/NDF:35.3/20

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1405.134+/-469.195 χ^2/NDF:8.5/19

Left: 1826.517+/-331.892 χ^2/NDF: 45.5/40

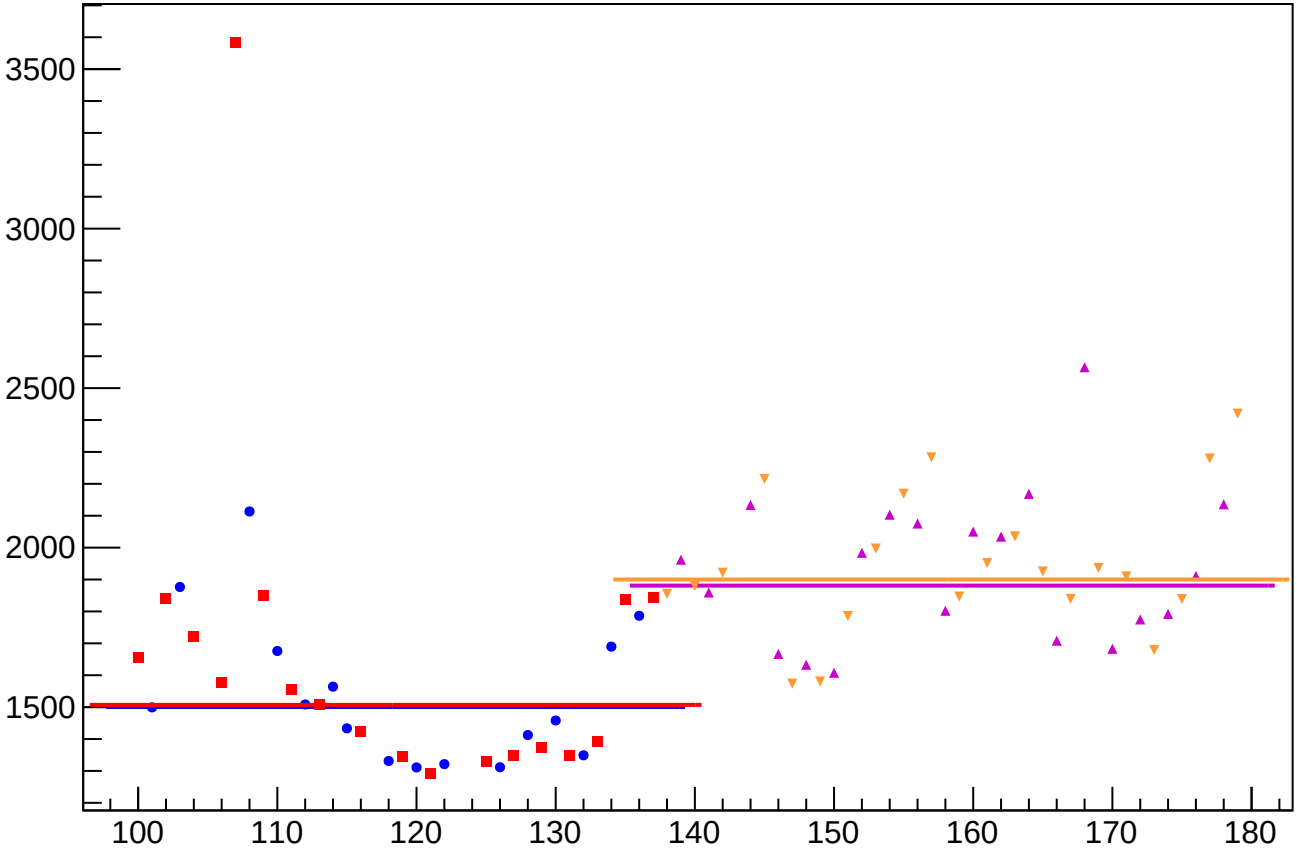
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1843.440+/-360.383 χ^2/NDF:18.9/35

Out: 1957.157+/-360.738 χ^2/NDF:54.8/38

All: 1900.242+/-254.955 χ^2/NDF: 73.7/74

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1900.019+/-0.332 χ^2/NDF:416049.7/20

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1880.963+/-0.332 χ^2/NDF:422206.5/19

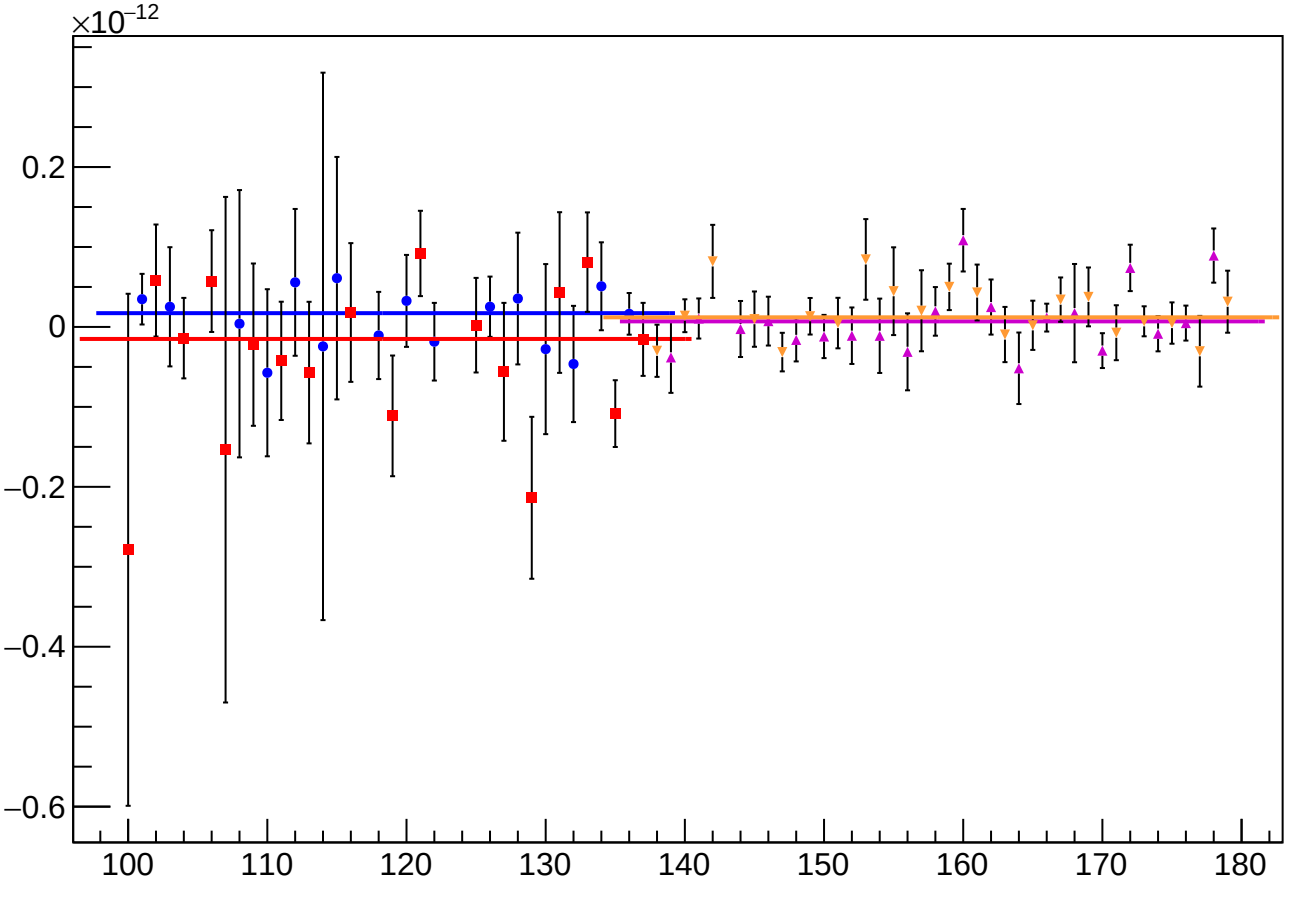
Left: 1890.484+/-0.235 χ^2/NDF: 839904.7/40

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1724.907+/-0.255 χ^2/NDF:1220578.0/35

Out: 1739.023+/-0.255 χ^2/NDF:1391142.1/38

All: 1731.958+/-0.180 χ^2/NDF: 2613252.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:26.9/19

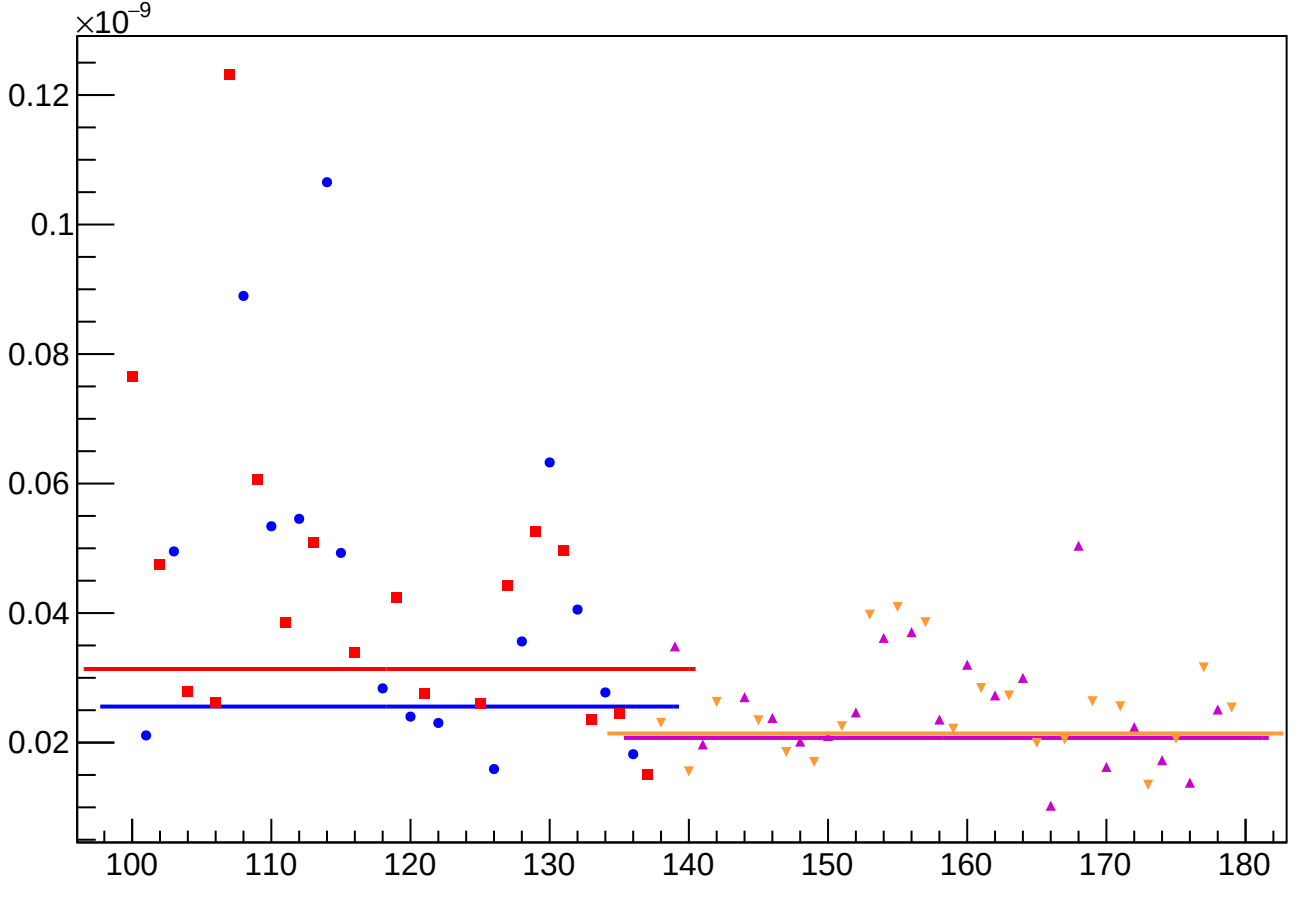
Left: 0.000+/-0.000 χ^2/NDF: 42.7/40

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:30.8/35

Out: 0.000+/-0.000 χ^2/NDF:39.2/38

All: 0.000+/-0.000 χ^2/NDF: 70.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1748782.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2672630.1/19

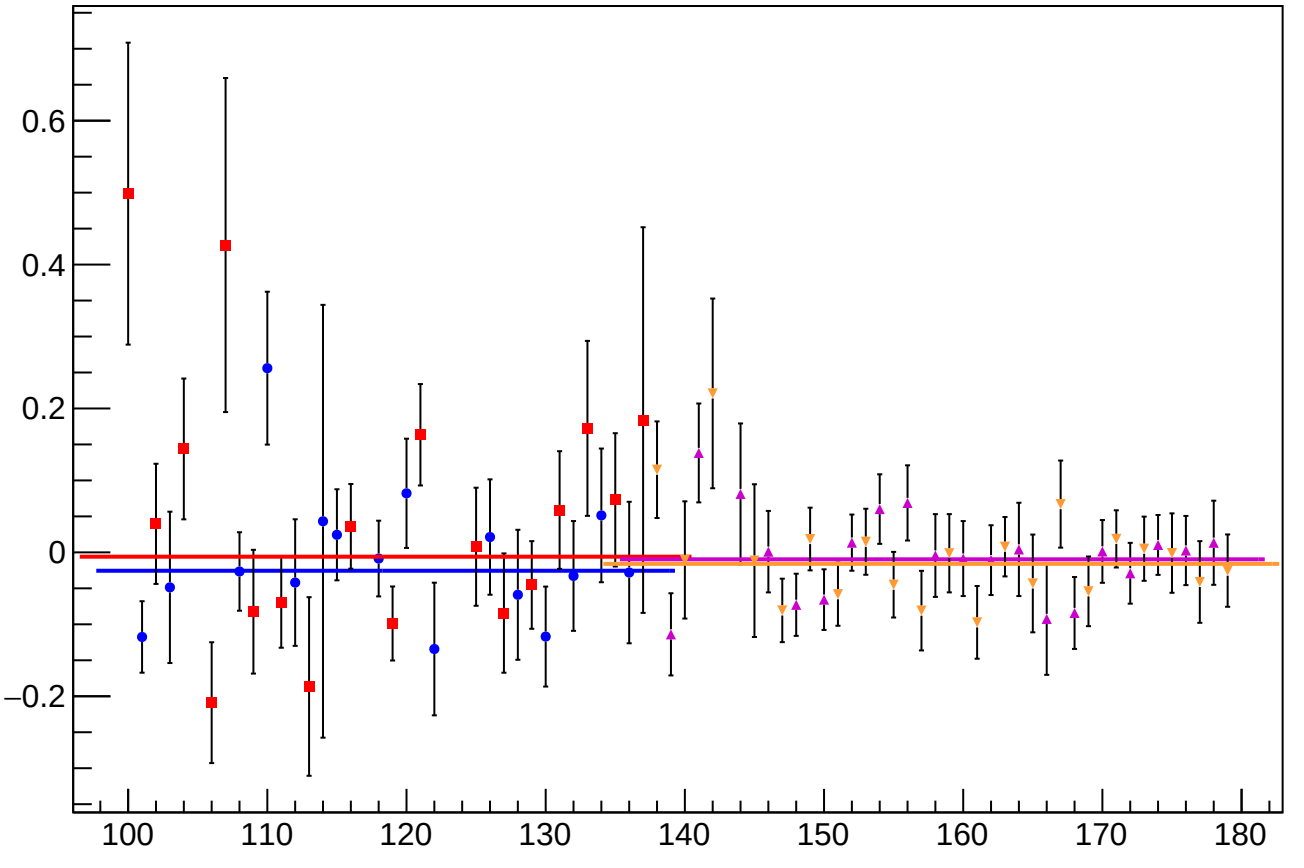
Left: 0.000+/-0.000 χ^2/NDF: 4432385.0/40

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:4588646.1/35

Out: 0.000+/-0.000 χ^2/NDF:3630871.1/38

All: 0.000+/-0.000 χ^2/NDF: 8260668.8/74



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.6/19

Left: -0.013+/-0.008 χ^2/NDF: 41.7/40

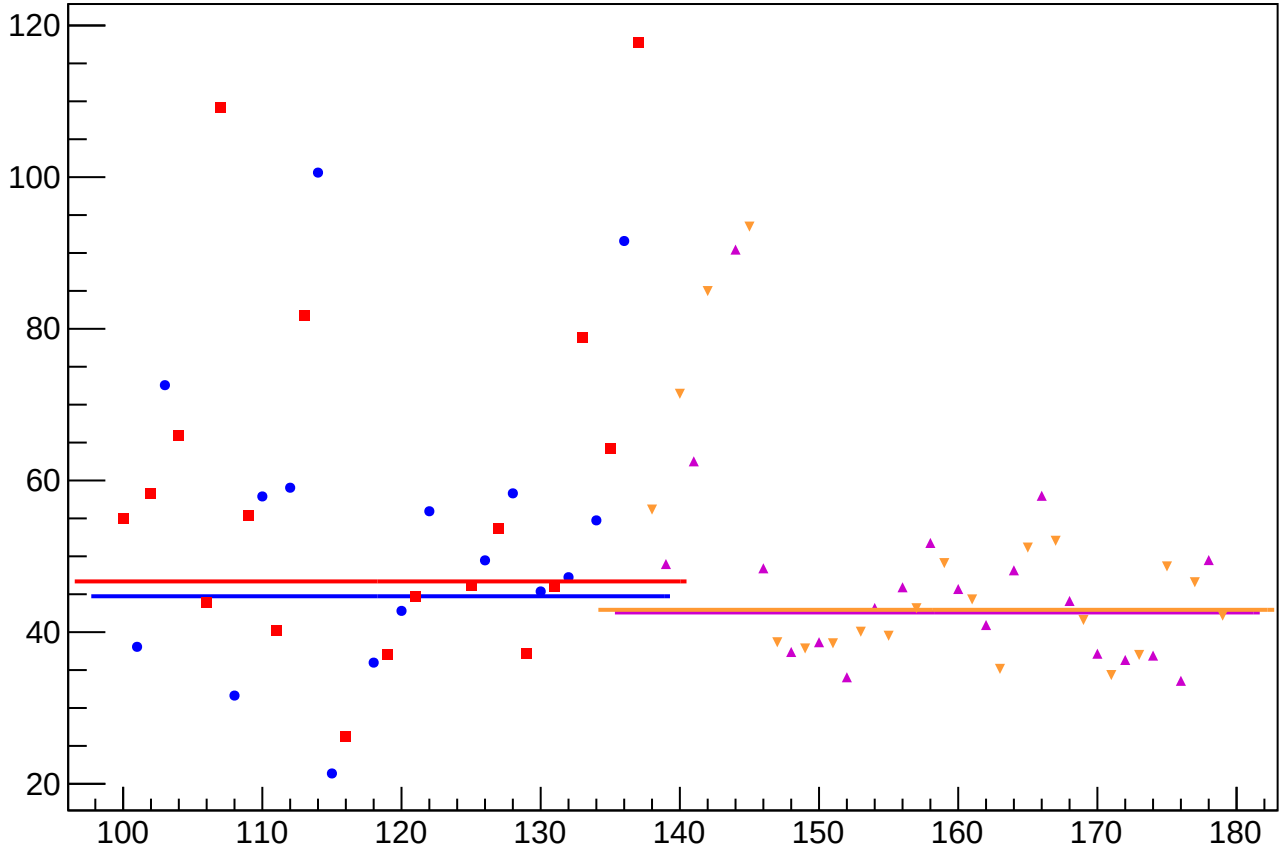
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.4/74

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397871.6/20

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.597+/-0.008 χ^2/NDF:1207283.9/19

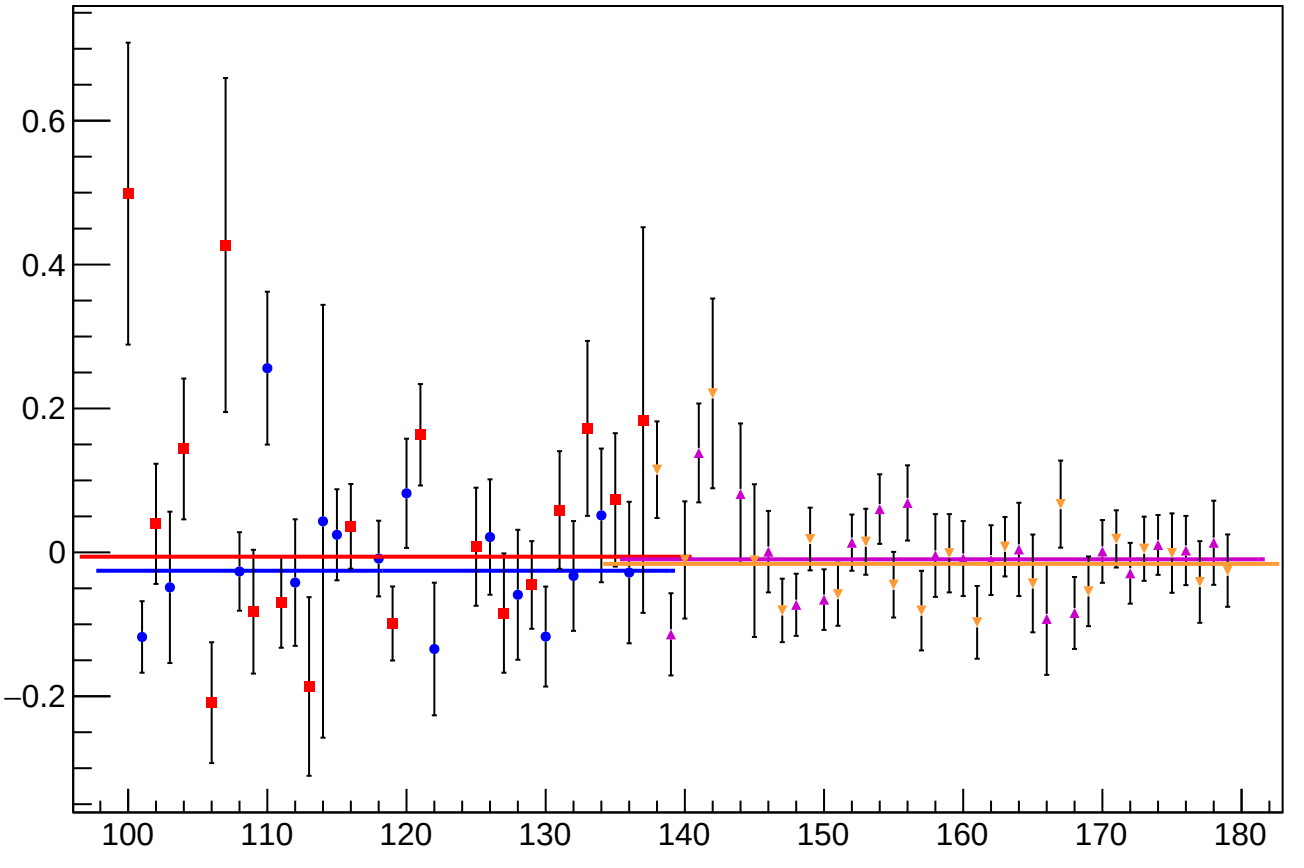
Left: 42.771+/-0.006 χ^2/NDF: 2606097.9/40

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.168+/-0.007 χ^2/NDF:2560808.1/35

Out: 43.901+/-0.007 χ^2/NDF:2648913.4/38

All: 43.531+/-0.005 χ^2/NDF: 5215359.7/74



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.6/19

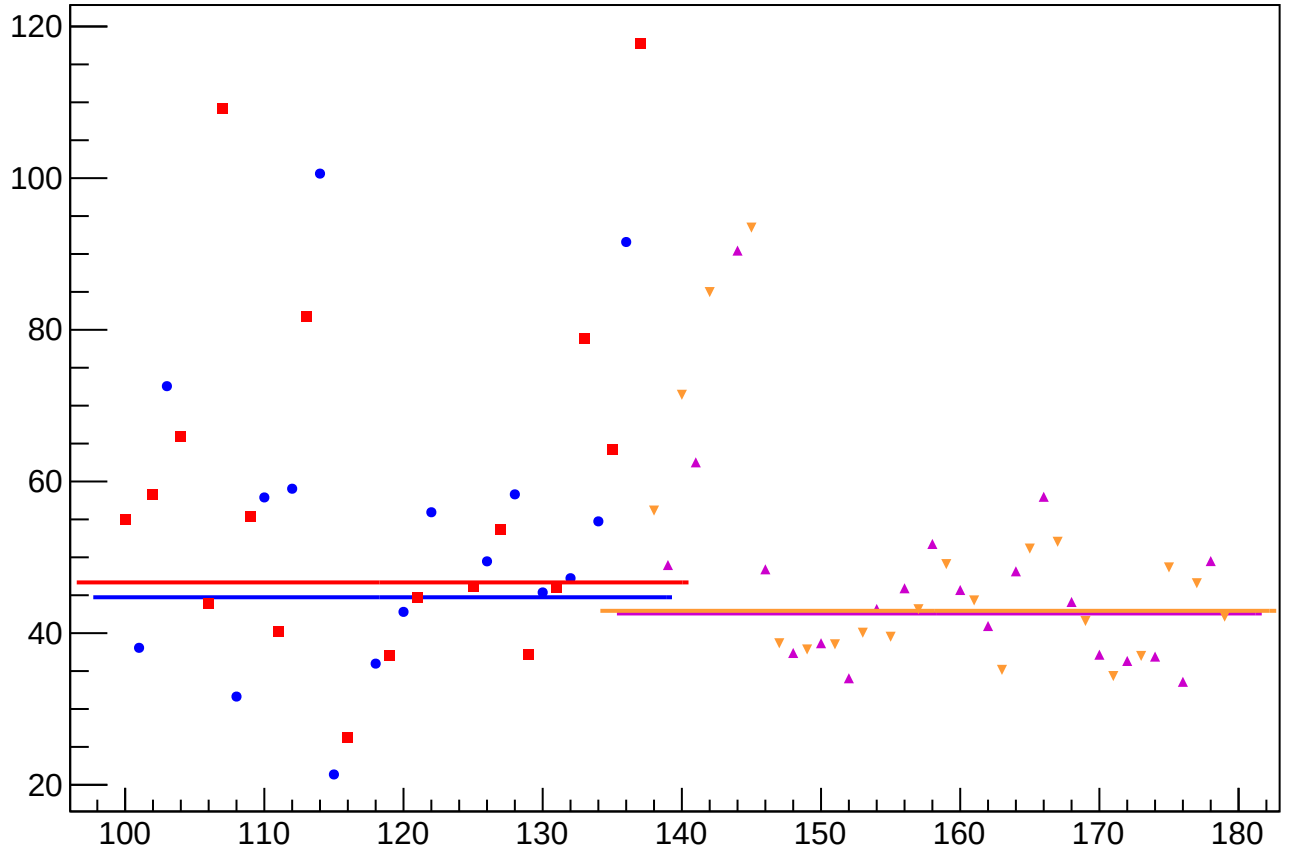
Left: -0.013+/-0.008 χ^2/NDF: 41.7/40

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.4/74



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397871.6/20

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.597+/-0.008 χ^2/NDF:1207283.9/19

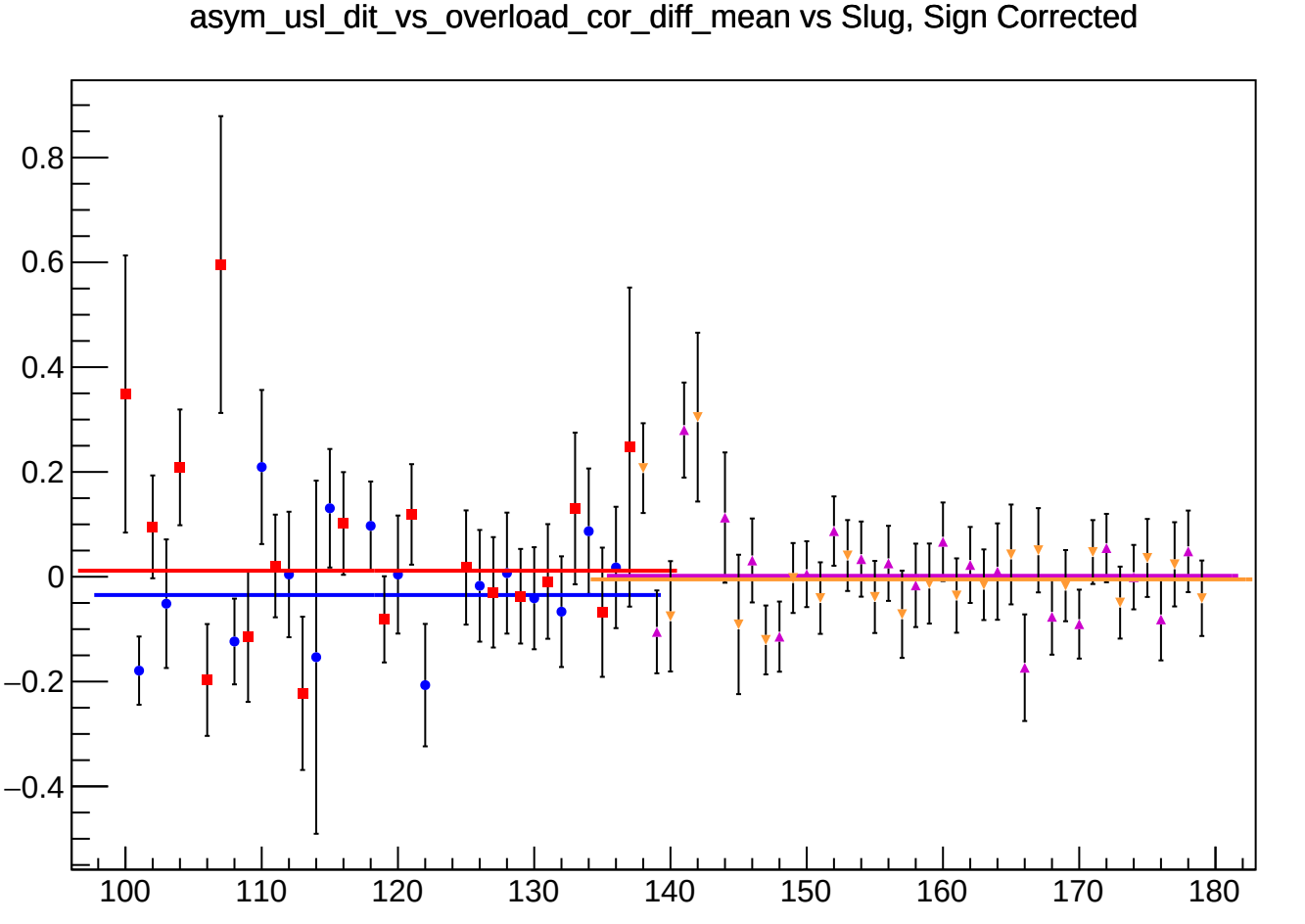
Left: 42.771+/-0.006 χ^2/NDF: 2606097.9/40

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.168+/-0.007 χ^2/NDF:2560808.1/35

Out: 43.901+/-0.007 χ^2/NDF:2648913.4/38

All: 43.531+/-0.005 χ^2/NDF: 5215359.7/74



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.002+/-0.017 χ^2/NDF:26.3/19

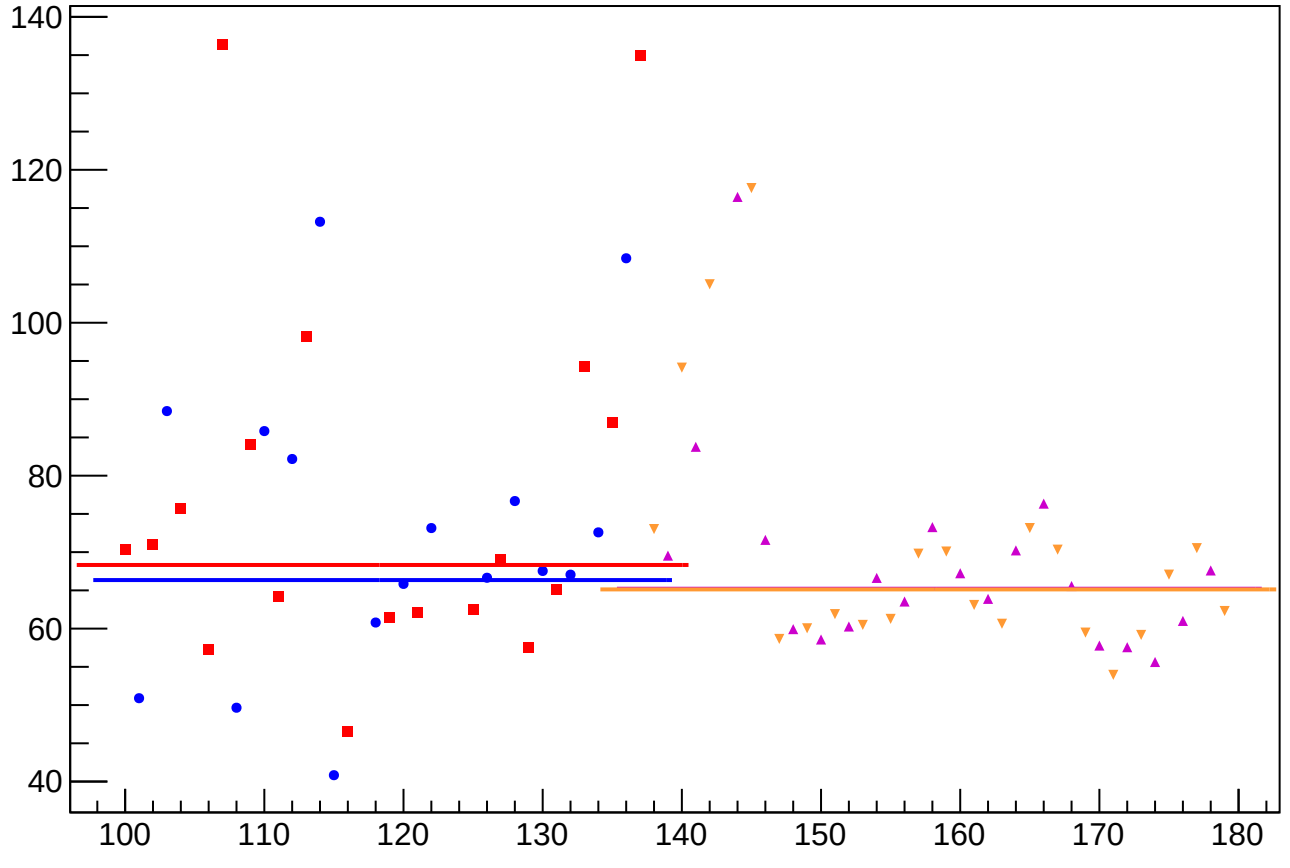
Left: -0.002+/-0.012 χ^2/NDF: 44.6/40

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.009+/-0.014 χ^2/NDF:45.1/35

Out: -0.000+/-0.014 χ^2/NDF:41.2/38

All: -0.005+/-0.010 χ^2/NDF: 86.6/74



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.126+/-0.012 χ^2/NDF:811345.0/20

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 65.215+/-0.012 χ^2/NDF:652054.8/19

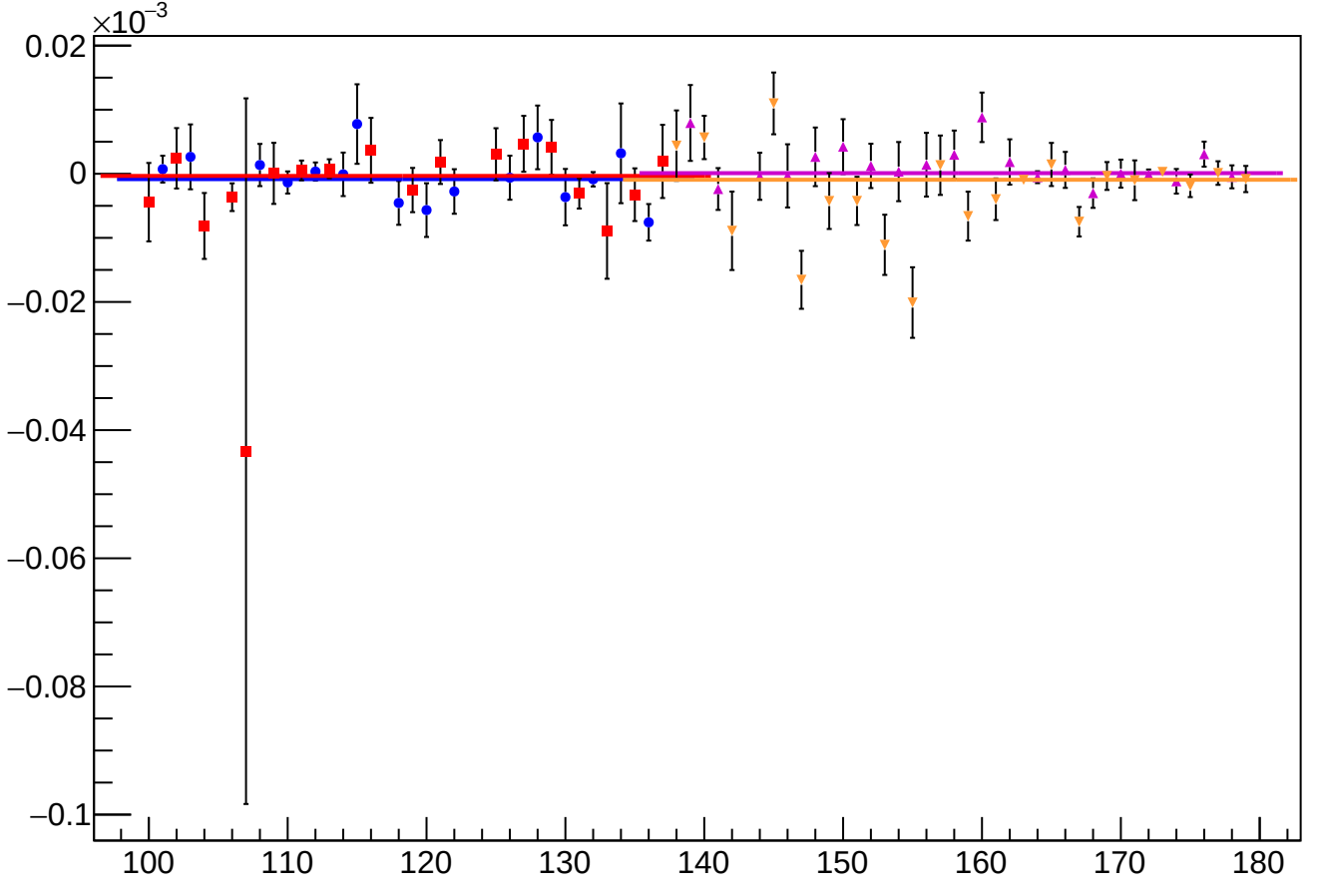
Left: 65.170+/-0.008 χ^2/NDF: 1463428.1/40

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 65.541+/-0.010 χ^2/NDF:1427360.8/35

Out: 66.004+/-0.010 χ^2/NDF:1461485.0/38

All: 65.772+/-0.007 χ^2/NDF: 2889927.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.9/19

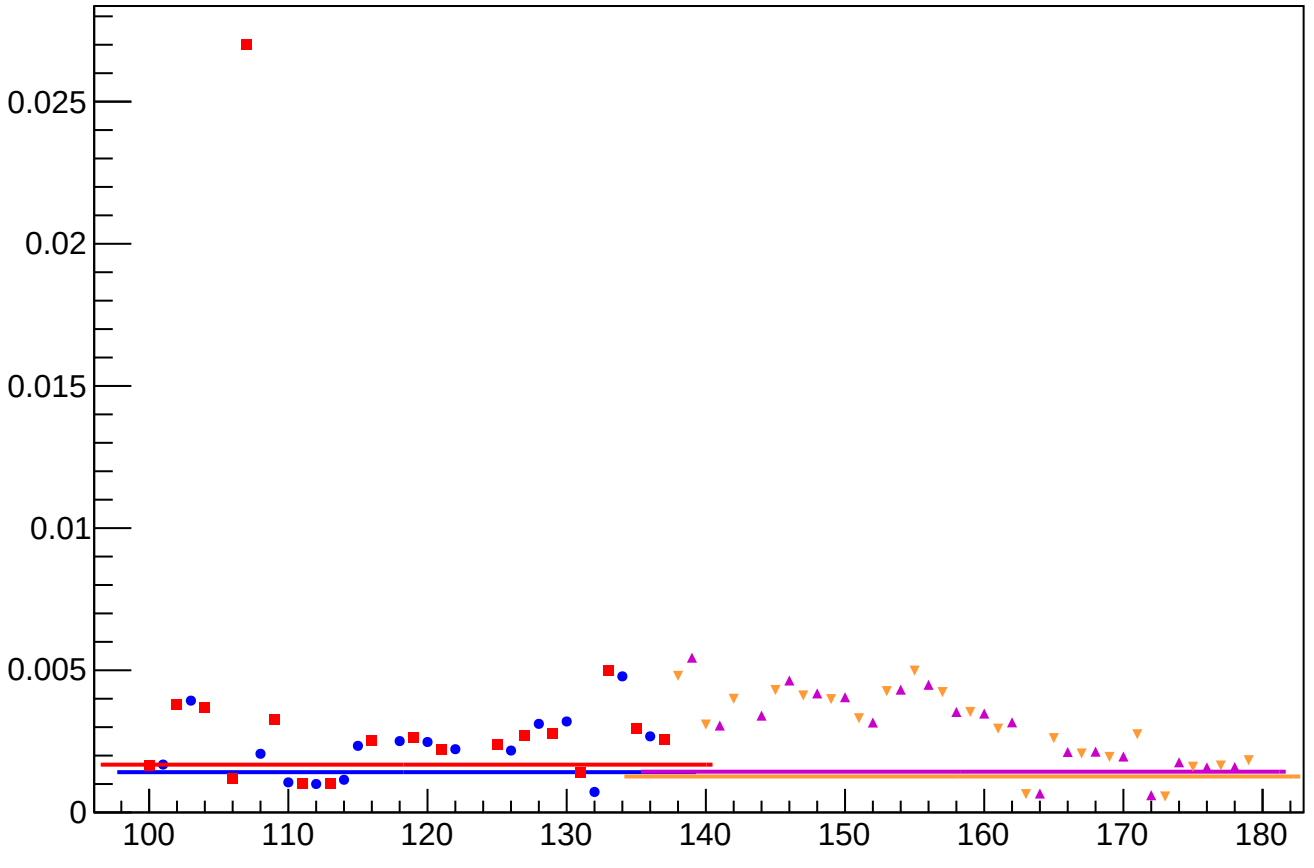
Left: -0.000+/-0.000 χ^2/NDF: 76.2/40

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:31.4/35

Out: -0.000+/-0.000 χ^2/NDF:73.8/38

All: -0.000+/-0.000 χ^2/NDF: 106.3/74



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13525857.1/20

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.001+/-0.000 χ^2/NDF:11993773.1/19

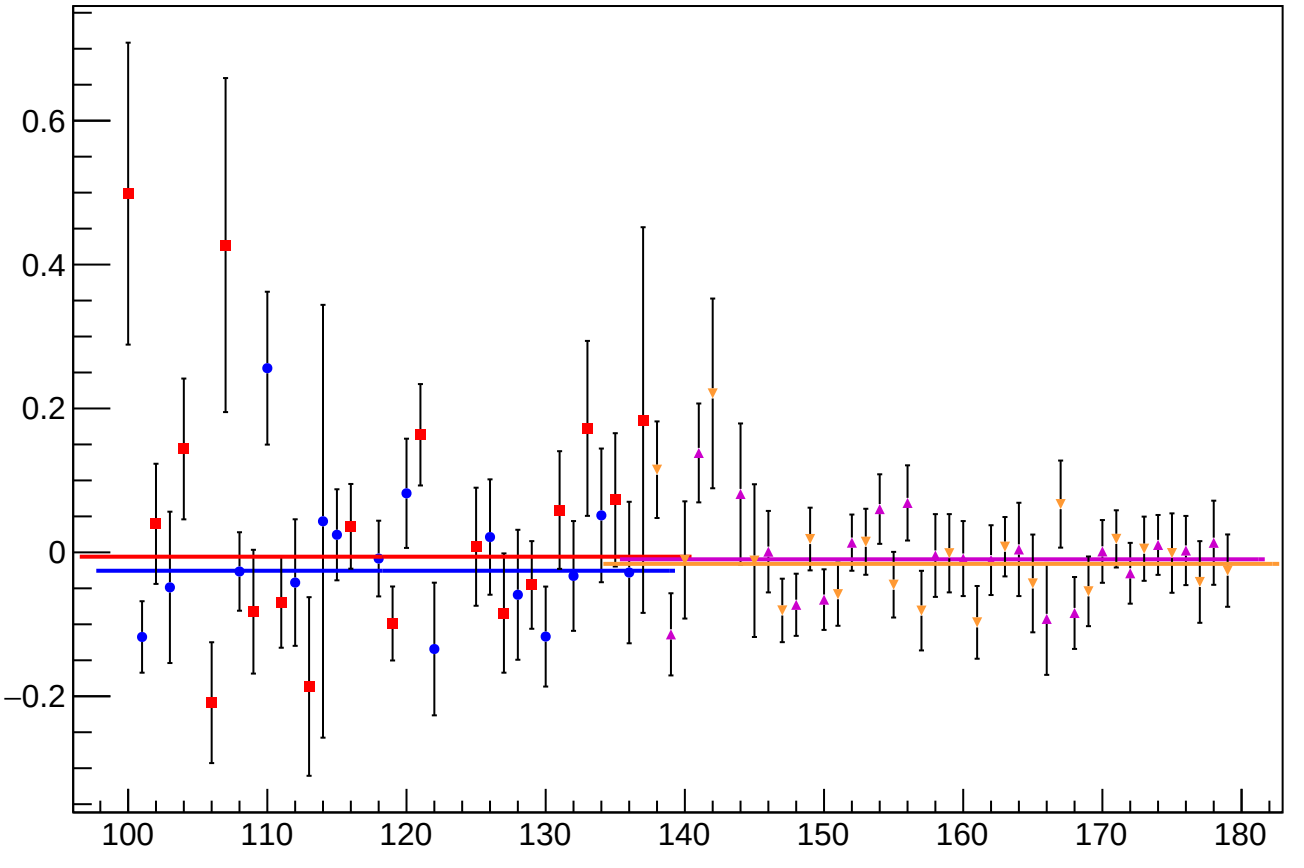
Left: 0.001+/-0.000 χ^2/NDF: 25670525.7/40

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:15541954.5/35

Out: 0.001+/-0.000 χ^2/NDF:17453354.8/38

All: 0.001+/-0.000 χ^2/NDF: 33024132.2/74



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.6/19

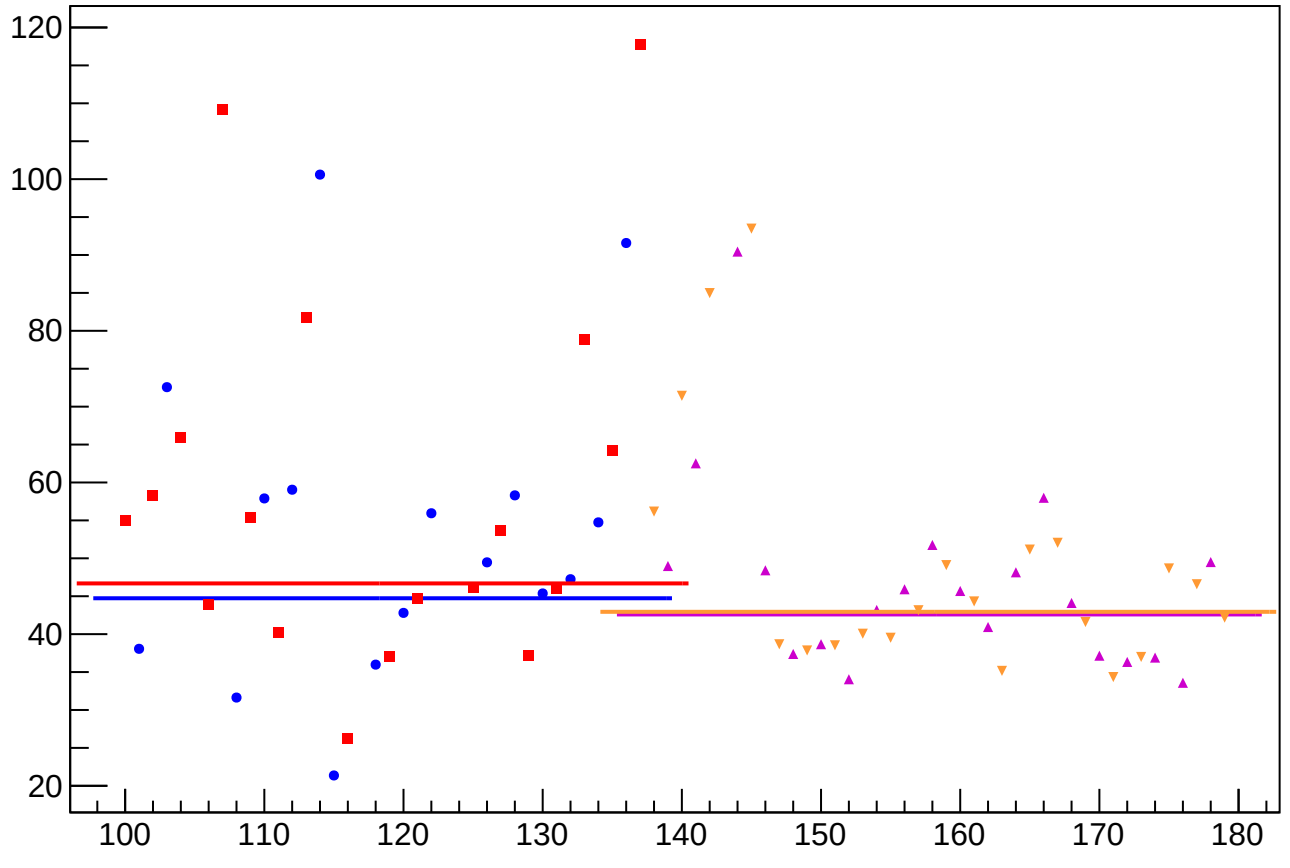
Left: -0.013+/-0.008 χ^2/NDF: 41.7/40

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.4/74



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.597+/-0.008 χ^2/NDF:1207229.3/19

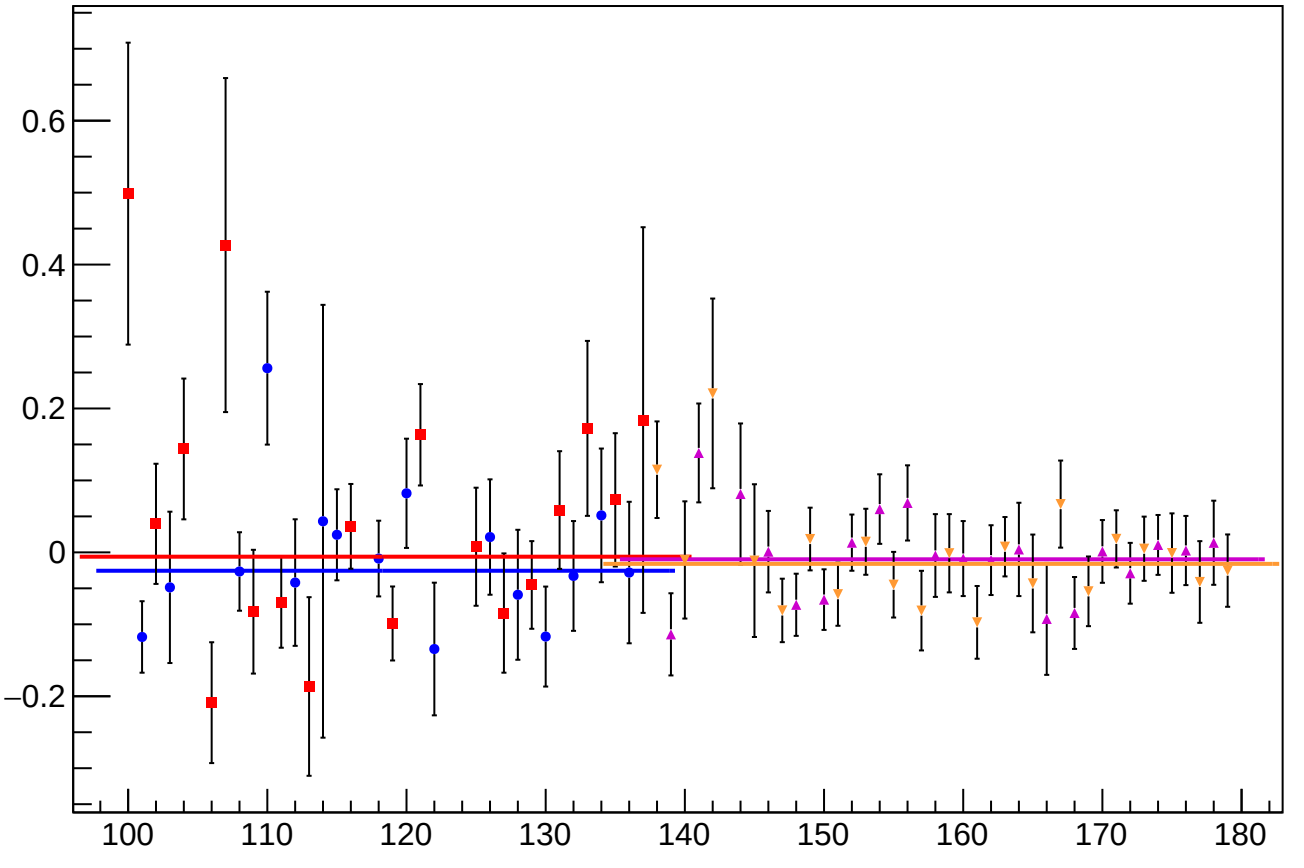
Left: 42.771+/-0.006 χ^2/NDF: 2606010.3/40

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.168+/-0.007 χ^2/NDF:2560793.6/35

Out: 43.900+/-0.007 χ^2/NDF:2648889.9/38

All: 43.531+/-0.005 χ^2/NDF: 5215319.9/74



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.016+/-0.011 χ^2/NDF:19.9/20

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.010+/-0.011 χ^2/NDF:21.6/19

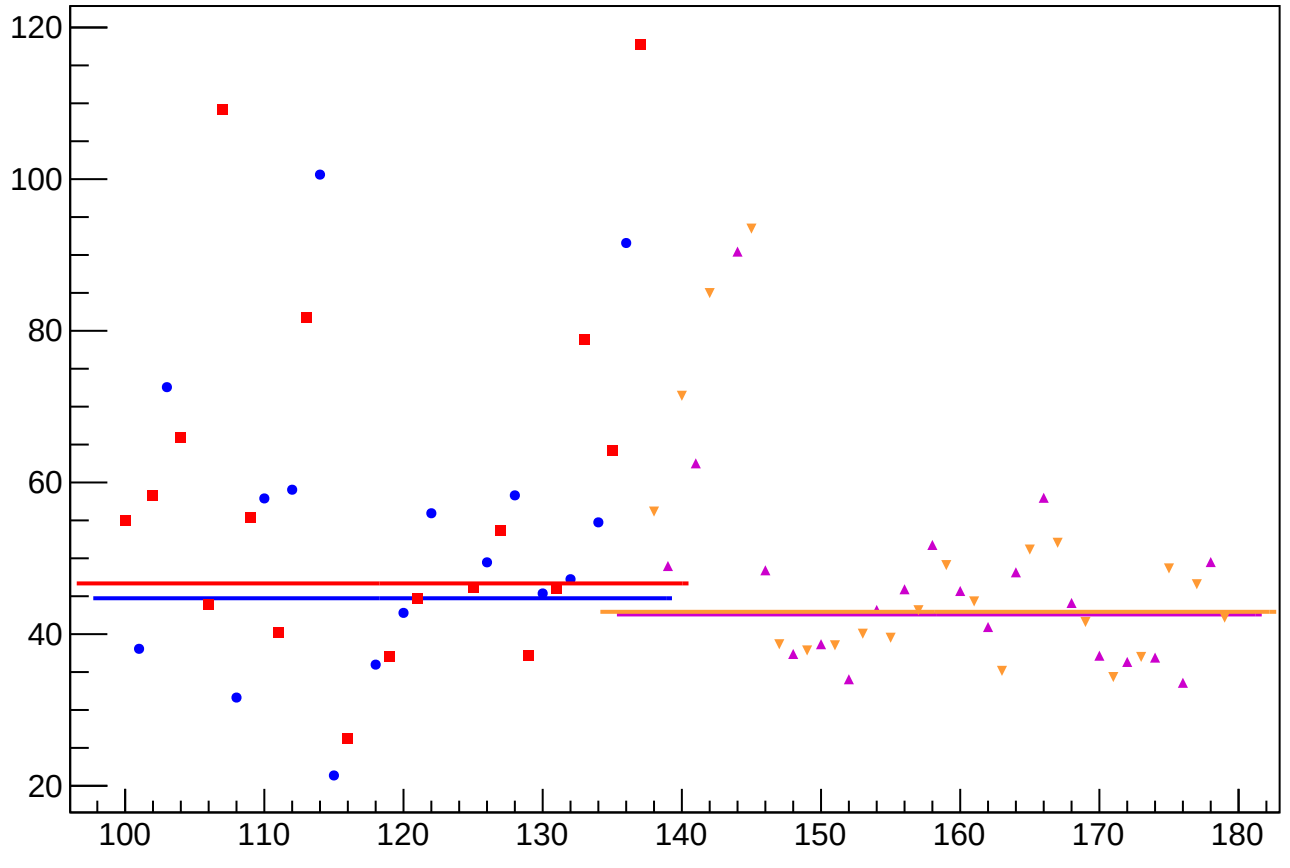
Left: -0.013+/-0.008 χ^2/NDF: 41.7/40

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.7/38

All: -0.014+/-0.007 χ^2/NDF: 96.4/74



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.945+/-0.008 χ^2/NDF:1397839.5/20

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.597+/-0.008 χ^2/NDF:1207229.3/19

Left: 42.771+/-0.006 χ^2/NDF: 2606010.3/40

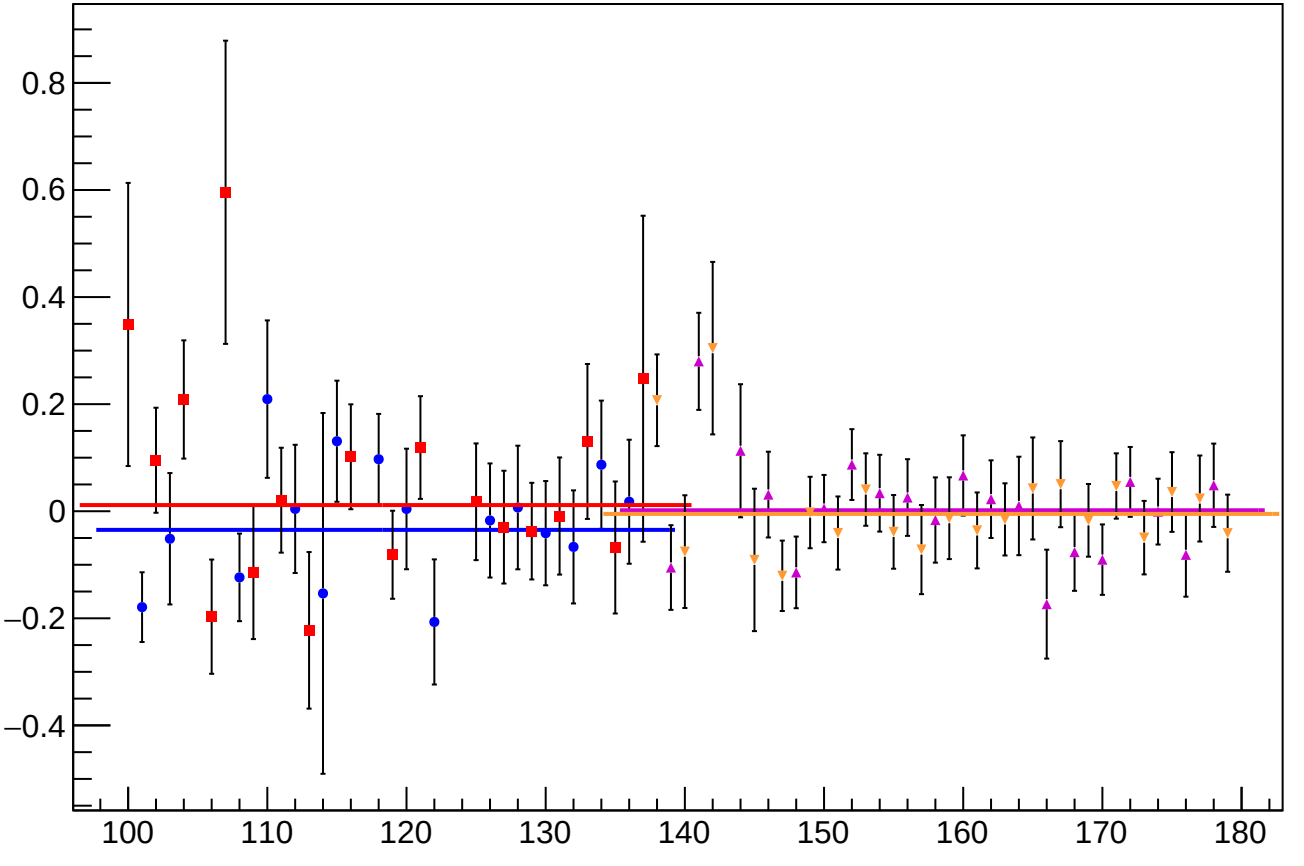
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.168+/-0.007 χ^2/NDF:2560793.6/35

Out: 43.900+/-0.007 χ^2/NDF:2648889.9/38

All: 43.531+/-0.005 χ^2/NDF: 5215319.9/74

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.005+/-0.017 χ^2/NDF:18.2/20

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.002+/-0.017 χ^2/NDF:26.3/19

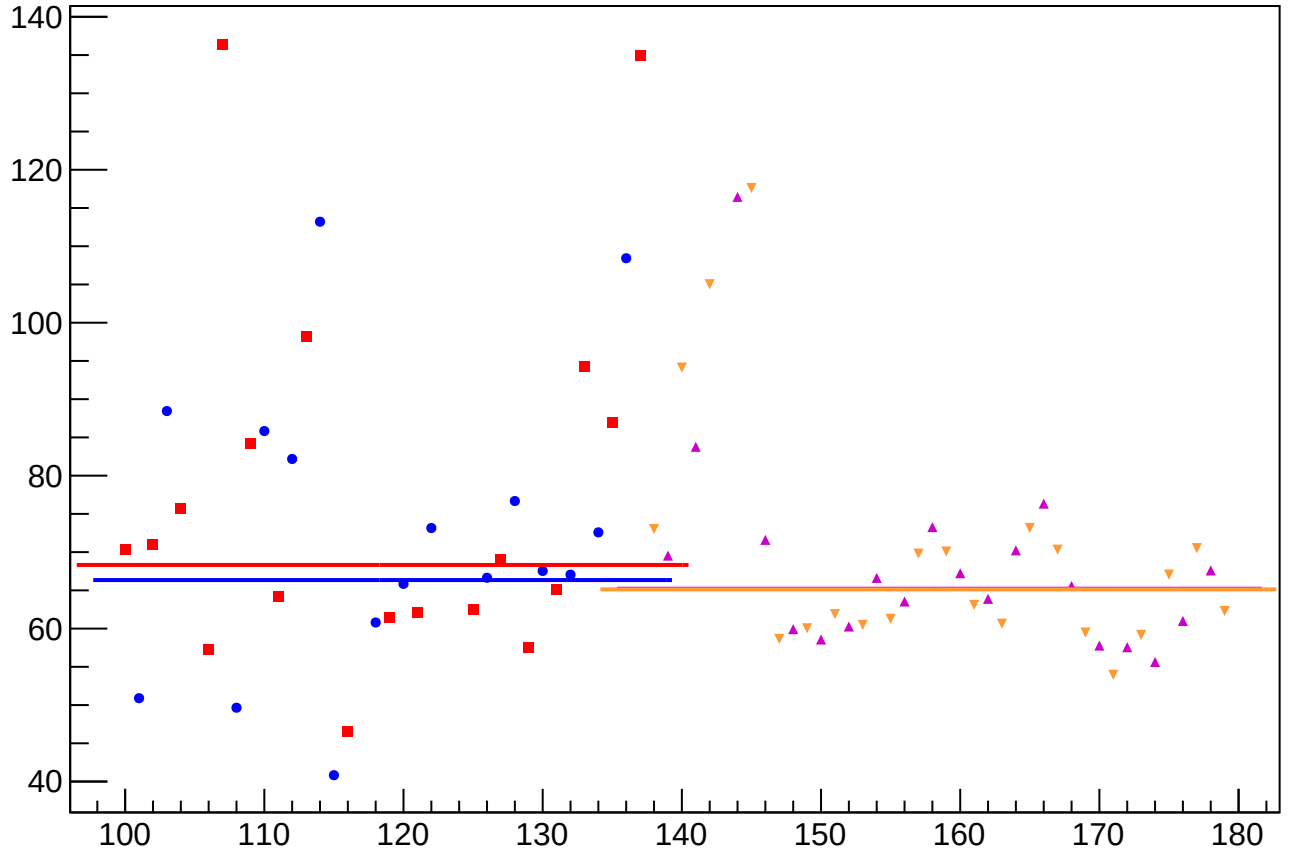
Left: -0.002+/-0.012 χ^2/NDF: 44.6/40

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.009+/-0.014 χ^2/NDF:45.1/35

Out: -0.000+/-0.014 χ^2/NDF:41.2/38

All: -0.005+/-0.010 χ^2/NDF: 86.6/74



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.126+/-0.012 χ^2/NDF:811333.2/20

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 65.215+/-0.012 χ^2/NDF:652044.6/19

Left: 65.170+/-0.008 χ^2/NDF: 1463406.2/40

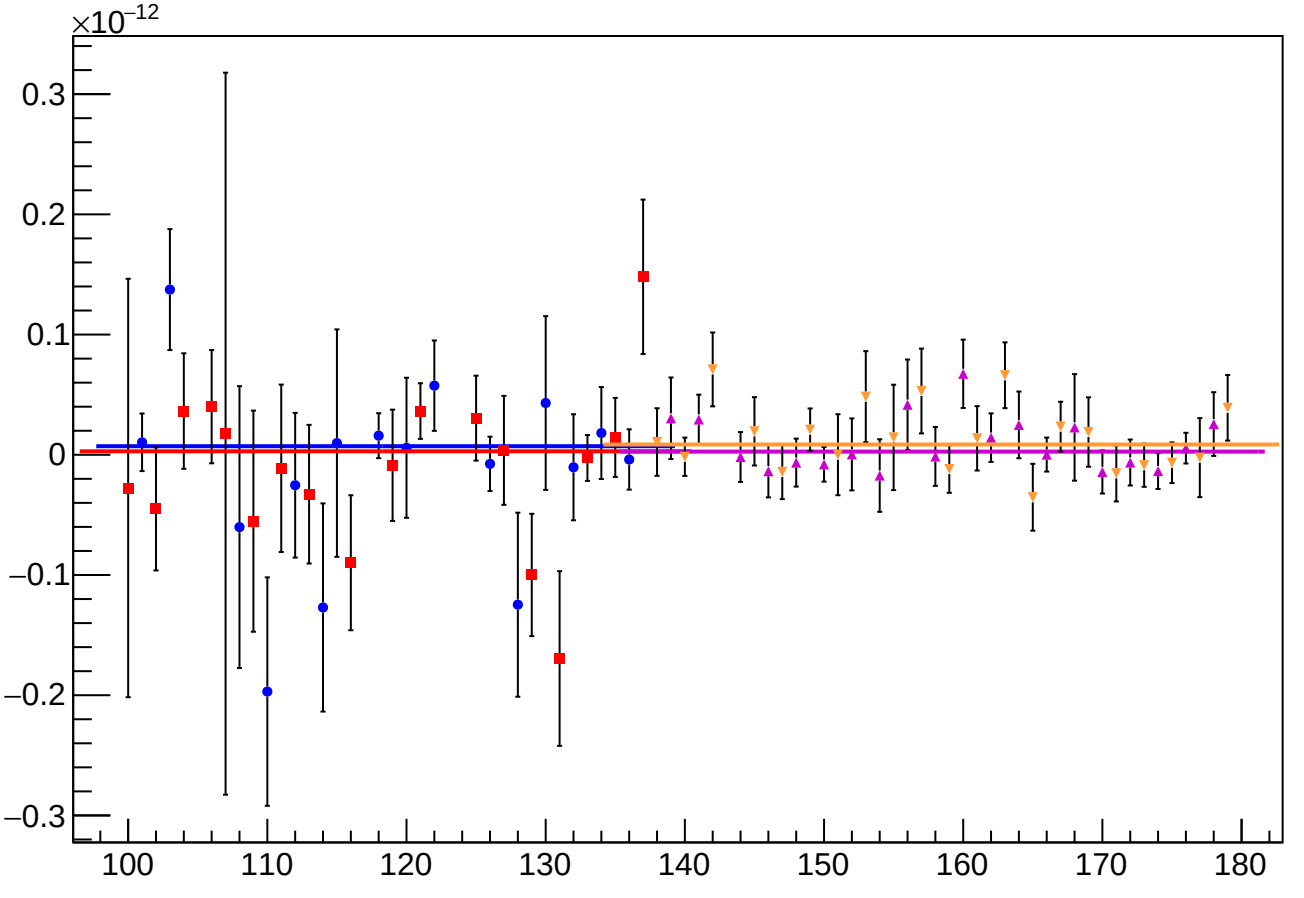
Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 65.541+/-0.010 χ^2/NDF:1427354.7/35

Out: 66.004+/-0.010 χ^2/NDF:1461459.2/38

All: 65.772+/-0.007 χ^2/NDF: 2889894.9/74

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:14.7/19

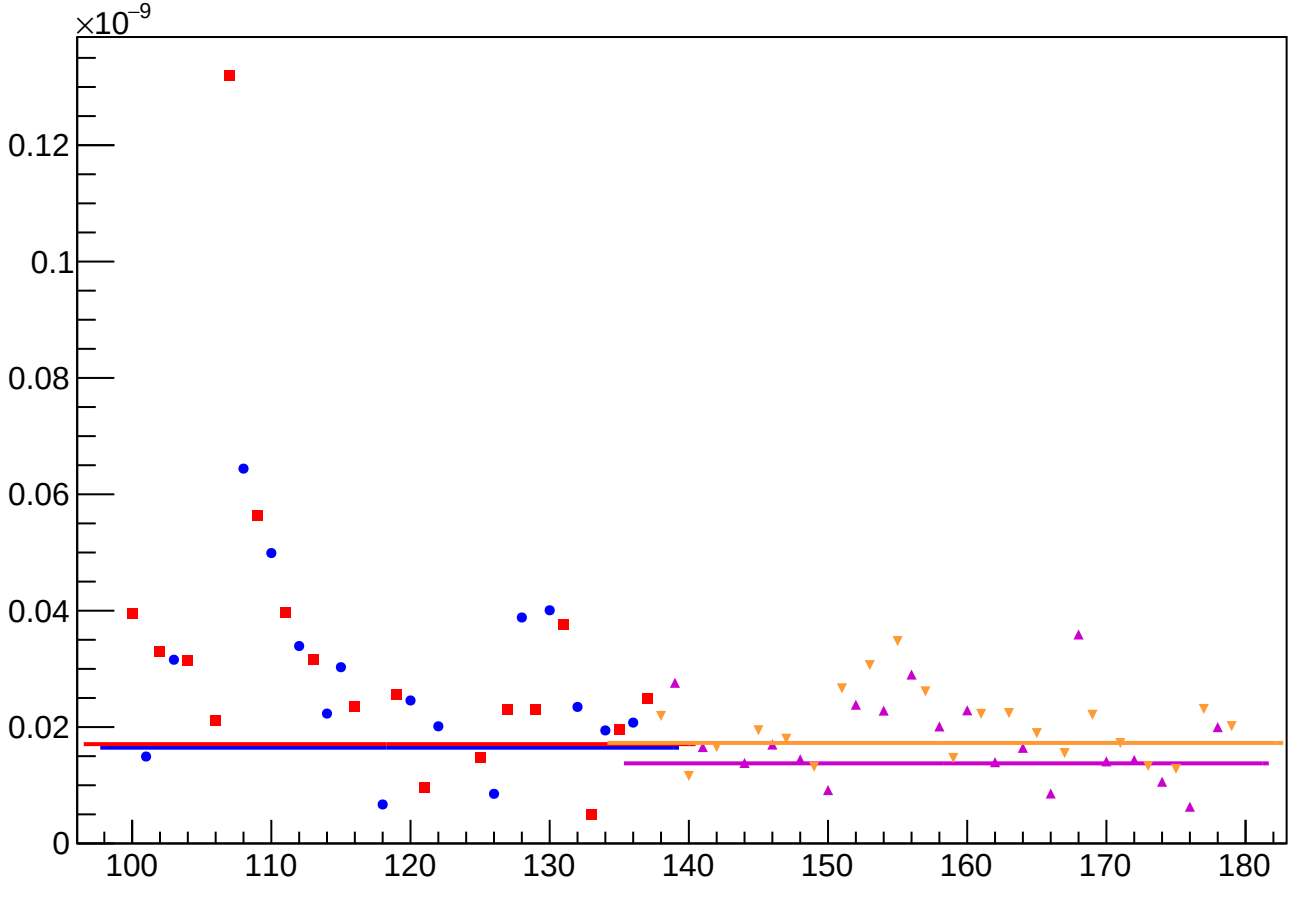
Left: 0.000+/-0.000 χ^2/NDF: 37.2/40

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:35.4/35

Out: 0.000+/-0.000 χ^2/NDF:45.4/38

All: 0.000+/-0.000 χ^2/NDF: 81.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1852288.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3367549.1/19

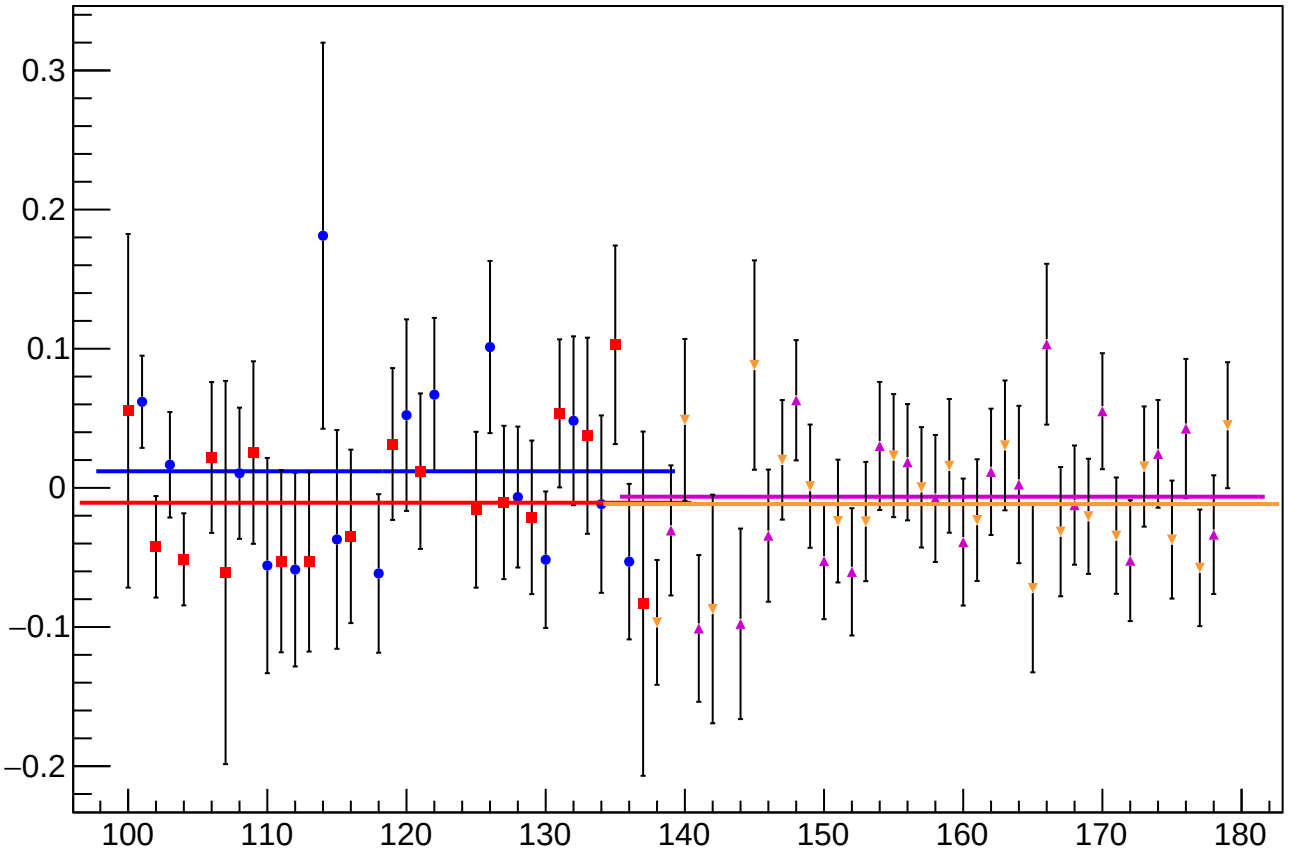
Left: 0.000+/-0.000 χ^2/NDF: 5729378.5/40

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:5851305.2/35

Out: 0.000+/-0.000 χ^2/NDF:4644324.4/38

All: 0.000+/-0.000 χ^2/NDF: 10946382.6/74



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.010 χ^2/NDF:15.0/20

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.006+/-0.010 χ^2/NDF:21.4/19

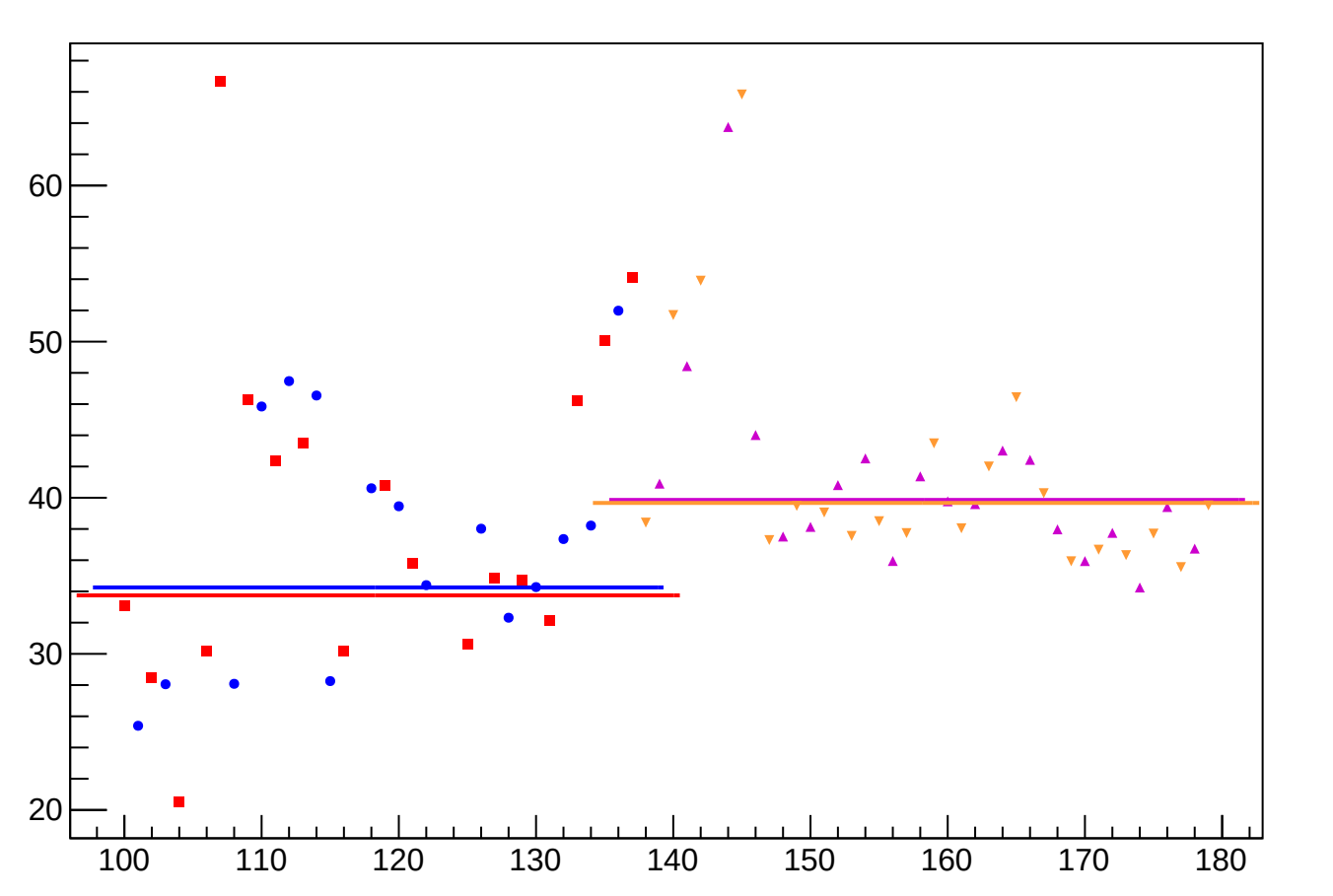
Left: -0.009+/-0.007 χ^2/NDF: 36.5/40

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.000+/-0.008 χ^2/NDF:37.2/35

Out: -0.011+/-0.008 χ^2/NDF:25.0/38

All: -0.006+/-0.006 χ^2/NDF: 63.2/74



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.668+/-0.007 χ^2/NDF:514169.9/20

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 39.861+/-0.007 χ^2/NDF:438484.5/19

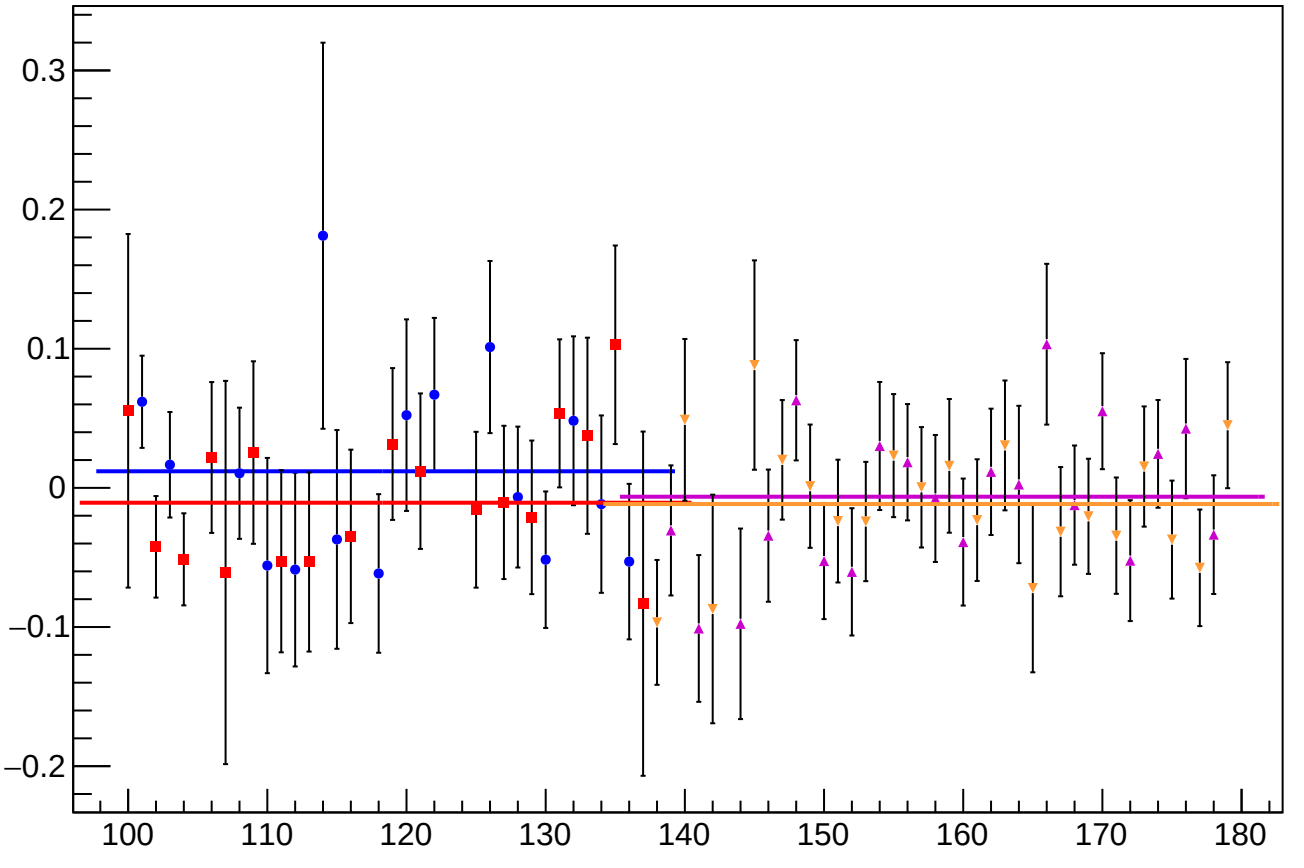
Left: 39.763+/-0.005 χ^2/NDF: 953011.3/40

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.820+/-0.006 χ^2/NDF:1290249.6/35

Out: 37.521+/-0.006 χ^2/NDF:1673517.3/38

All: 37.668+/-0.004 χ^2/NDF: 2965114.7/74



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.010 χ^2/NDF:15.0/20

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.006+/-0.010 χ^2/NDF:21.4/19

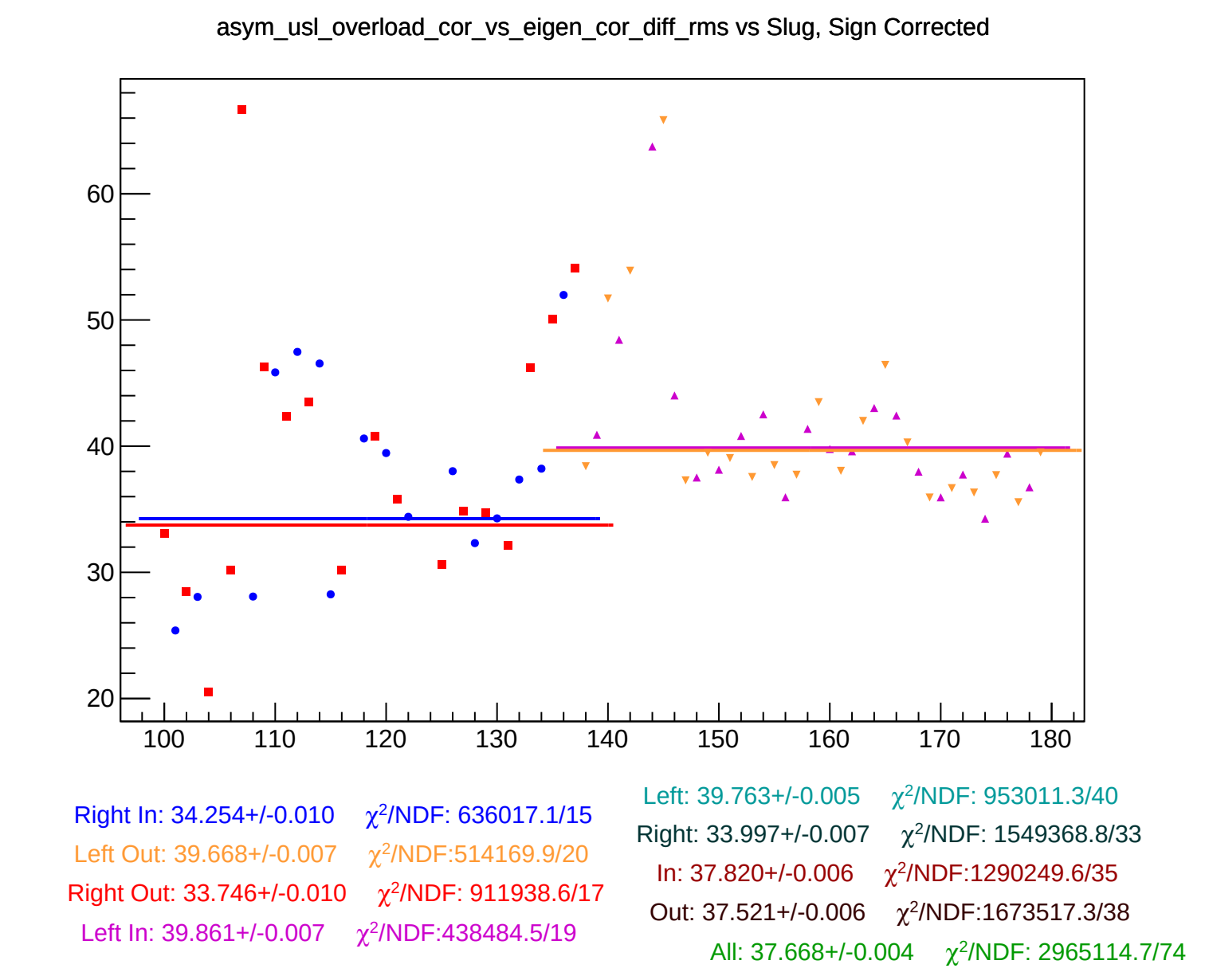
Left: -0.009+/-0.007 χ^2/NDF: 36.5/40

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

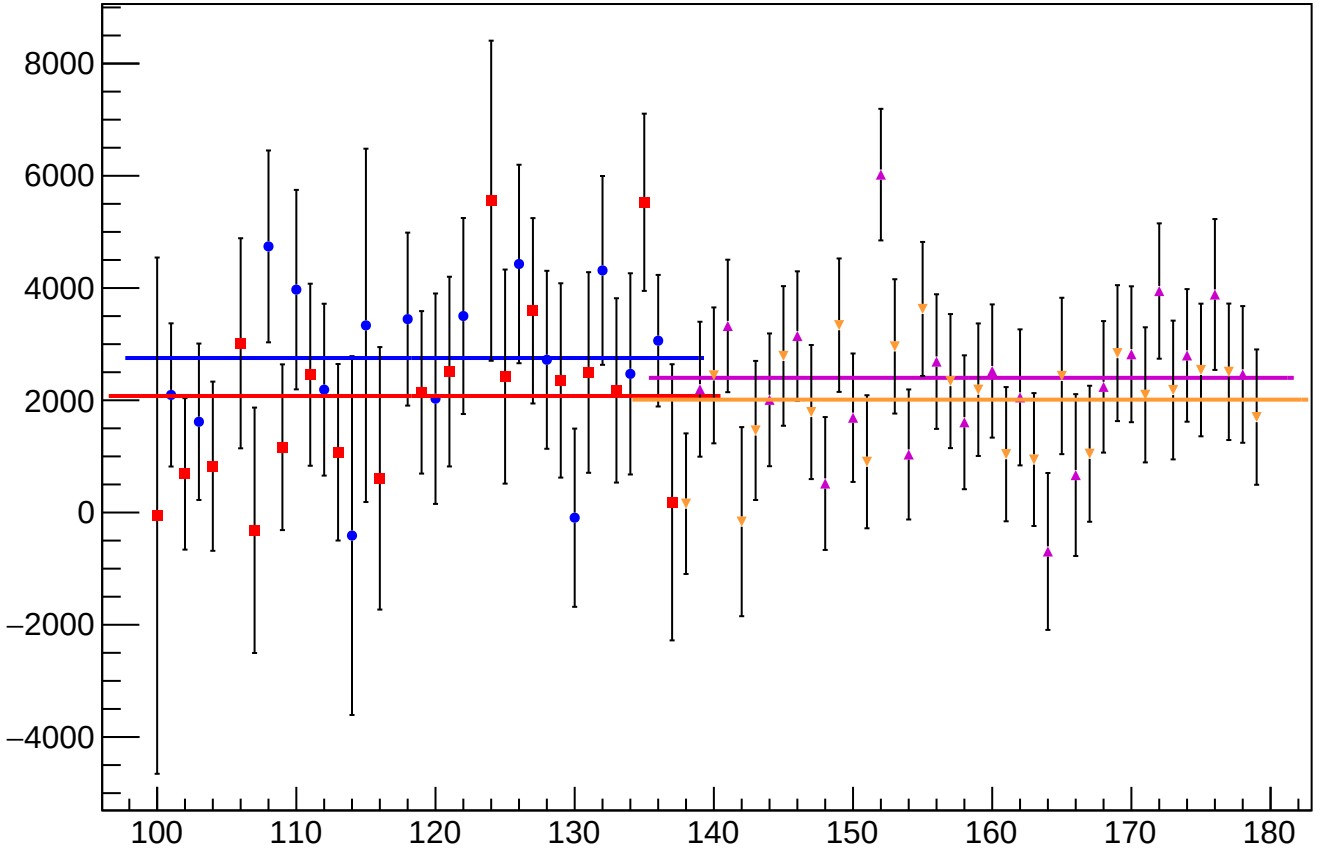
In: 0.000+/-0.008 χ^2/NDF:37.2/35

Out: -0.011+/-0.008 χ^2/NDF:25.0/38

All: -0.006+/-0.006 χ^2/NDF: 63.2/74


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 39.668+/-0.007 χ²/NDF:514169.9/20
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 39.861+/-0.007 χ²/NDF:438484.5/19
Left: 39.763+/-0.005 χ²/NDF: 953011.3/40
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.820+/-0.006 χ²/NDF:1290249.6/35
Out: 37.521+/-0.006 χ²/NDF:1673517.3/38
All: 37.668+/-0.004 χ²/NDF: 2965114.7/74

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2399.768+/-270.643 χ^2/NDF:25.1/19

Left: 2198.903+/-188.061 χ^2/NDF: 38.5/41

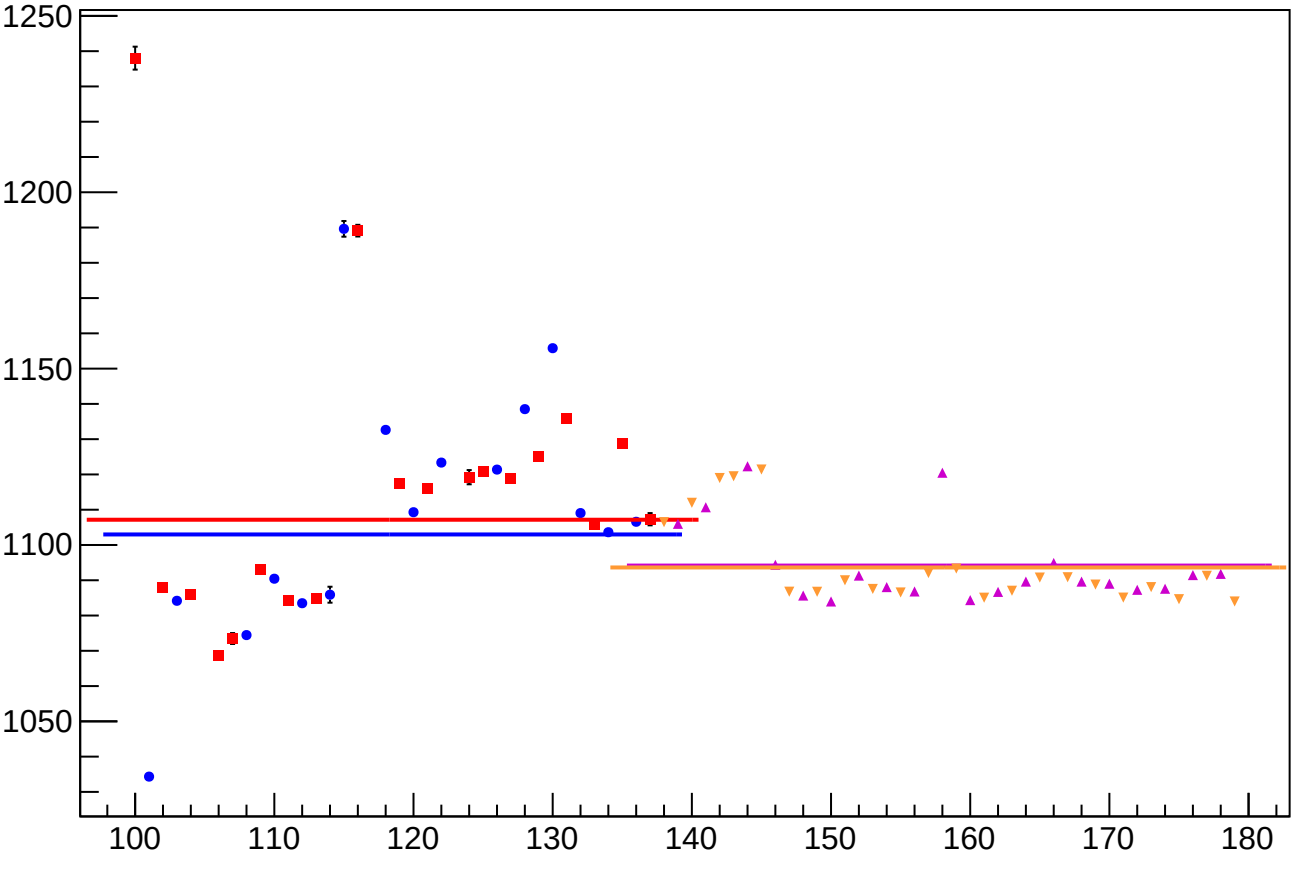
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2507.069+/-225.843 χ^2/NDF:35.1/35

Out: 2030.605+/-219.498 χ^2/NDF:25.0/40

All: 2262.050+/-157.404 χ^2/NDF: 62.3/76

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

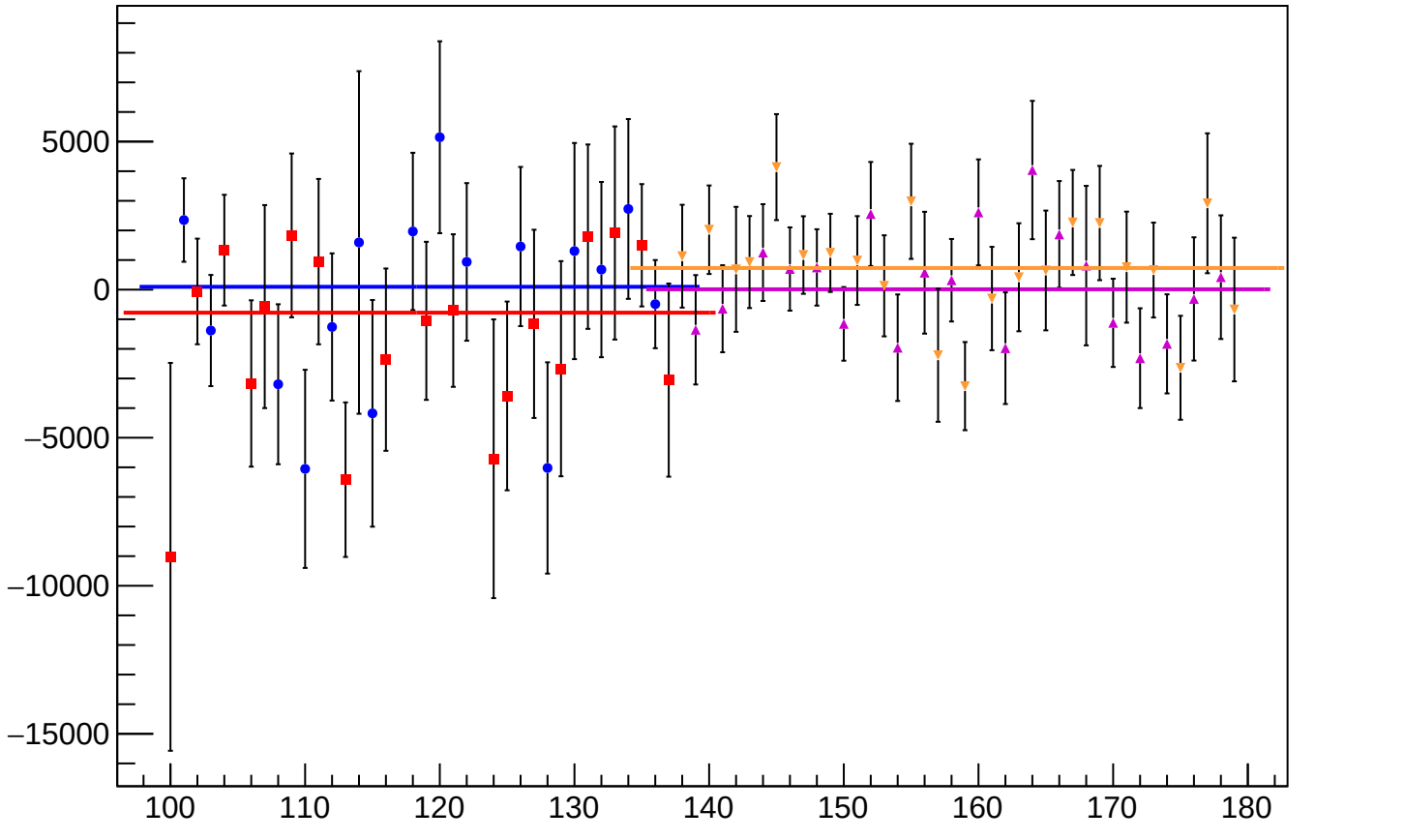
Left: 1093.886+/-0.133 χ^2/NDF: 7418.7/41

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.843+/-0.160 χ^2/NDF:17408.0/35

Out: 1097.625+/-0.155 χ^2/NDF:14142.0/40

All: 1097.246+/-0.111 χ^2/NDF: 31562.3/76



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 12.189+/-374.982 χ^2/NDF:17.3/19

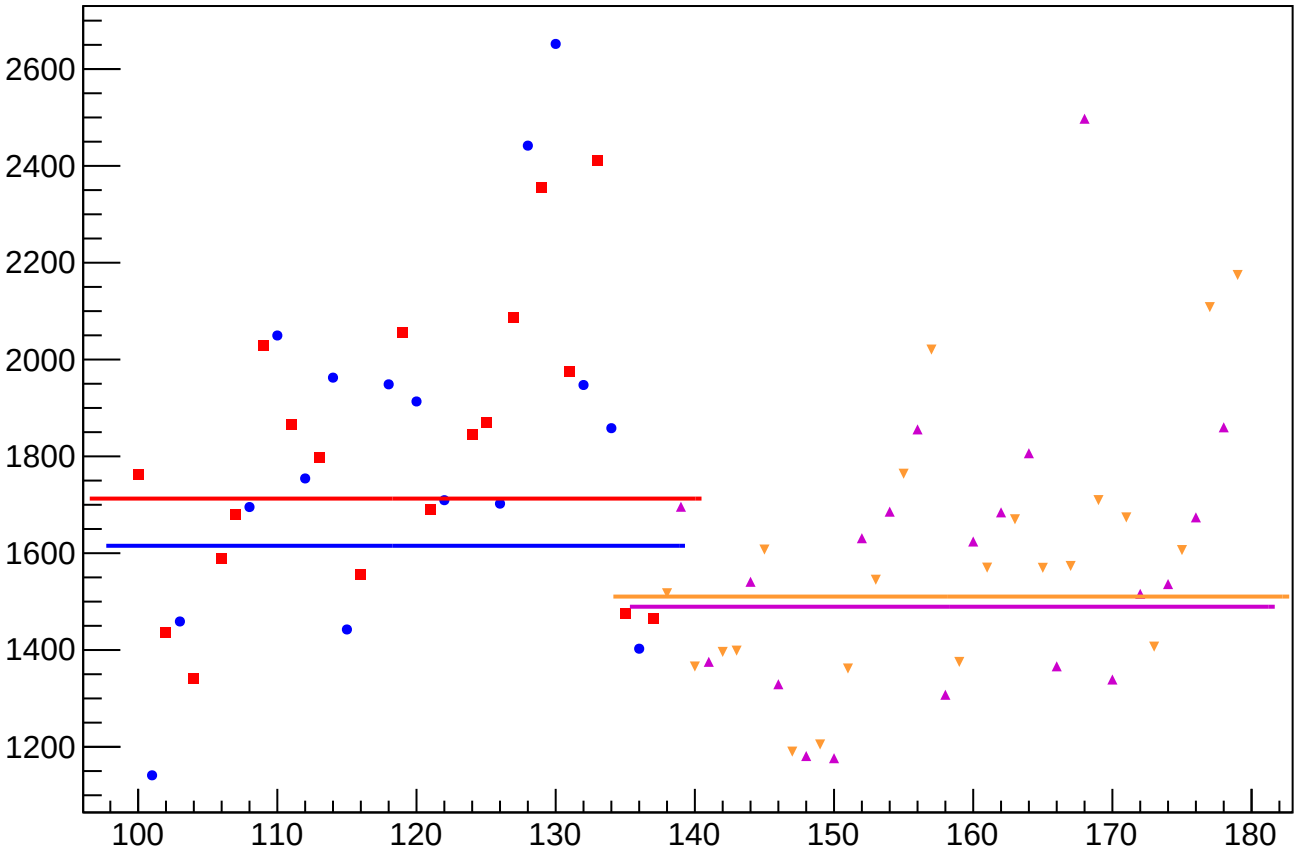
Left: 378.709+/-262.530 χ^2/NDF: 40.9/41

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 34.725+/-320.597 χ^2/NDF:34.2/35

Out: 354.184+/-318.431 χ^2/NDF:41.0/40

All: 195.537+/-225.927 χ^2/NDF: 75.7/76



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1510.407+/-0.260 χ^2/NDF:792533.6/21

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

Left: 1500.131+/-0.186 χ^2/NDF: 1696250.8/41

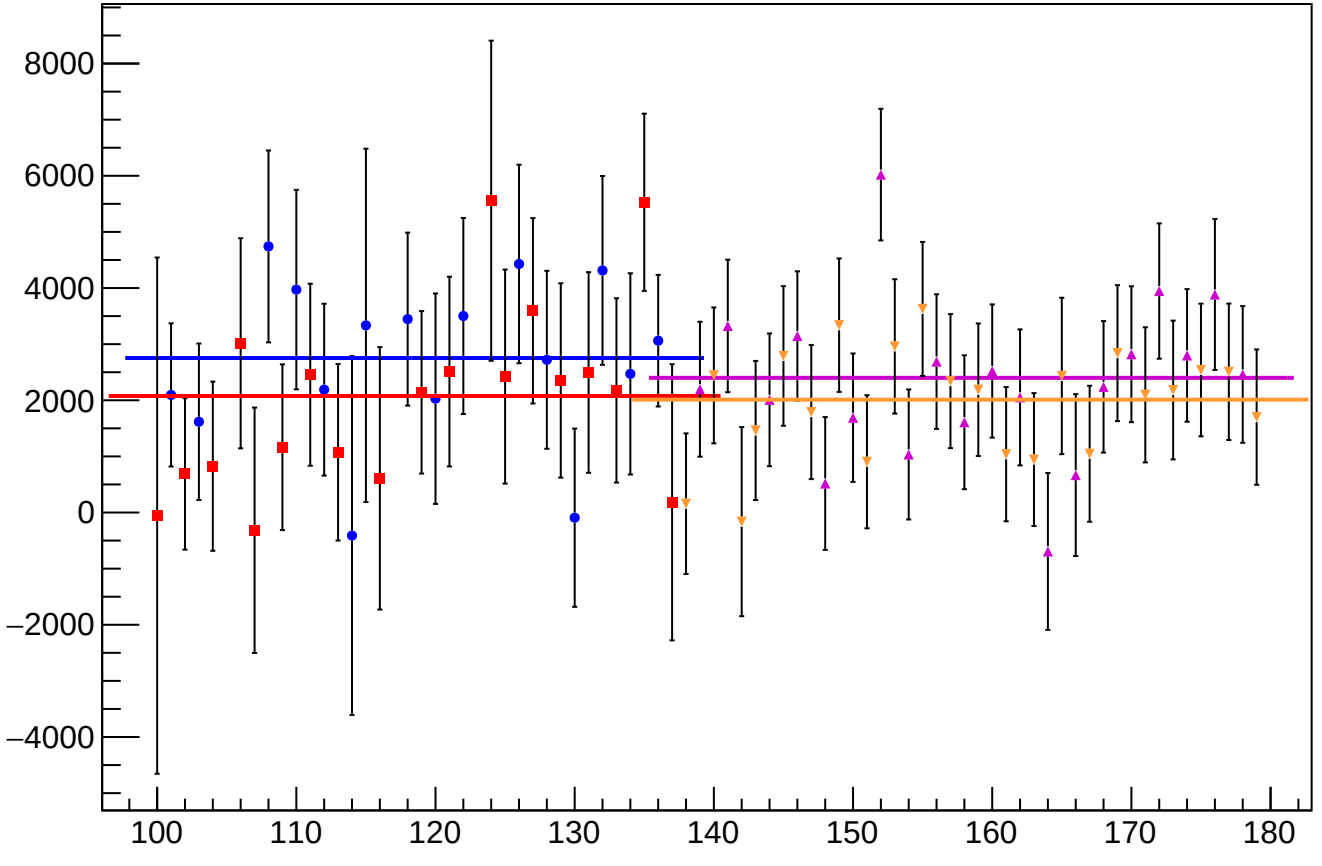
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1523.307+/-0.227 χ^2/NDF:1654789.2/35

Out: 1560.988+/-0.225 χ^2/NDF:1372055.4/40

All: 1542.275+/-0.160 χ^2/NDF: 3040752.8/76

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2399.768+/-270.643 χ^2/NDF:25.1/19

Left: 2198.903+/-188.061 χ^2/NDF: 38.5/41

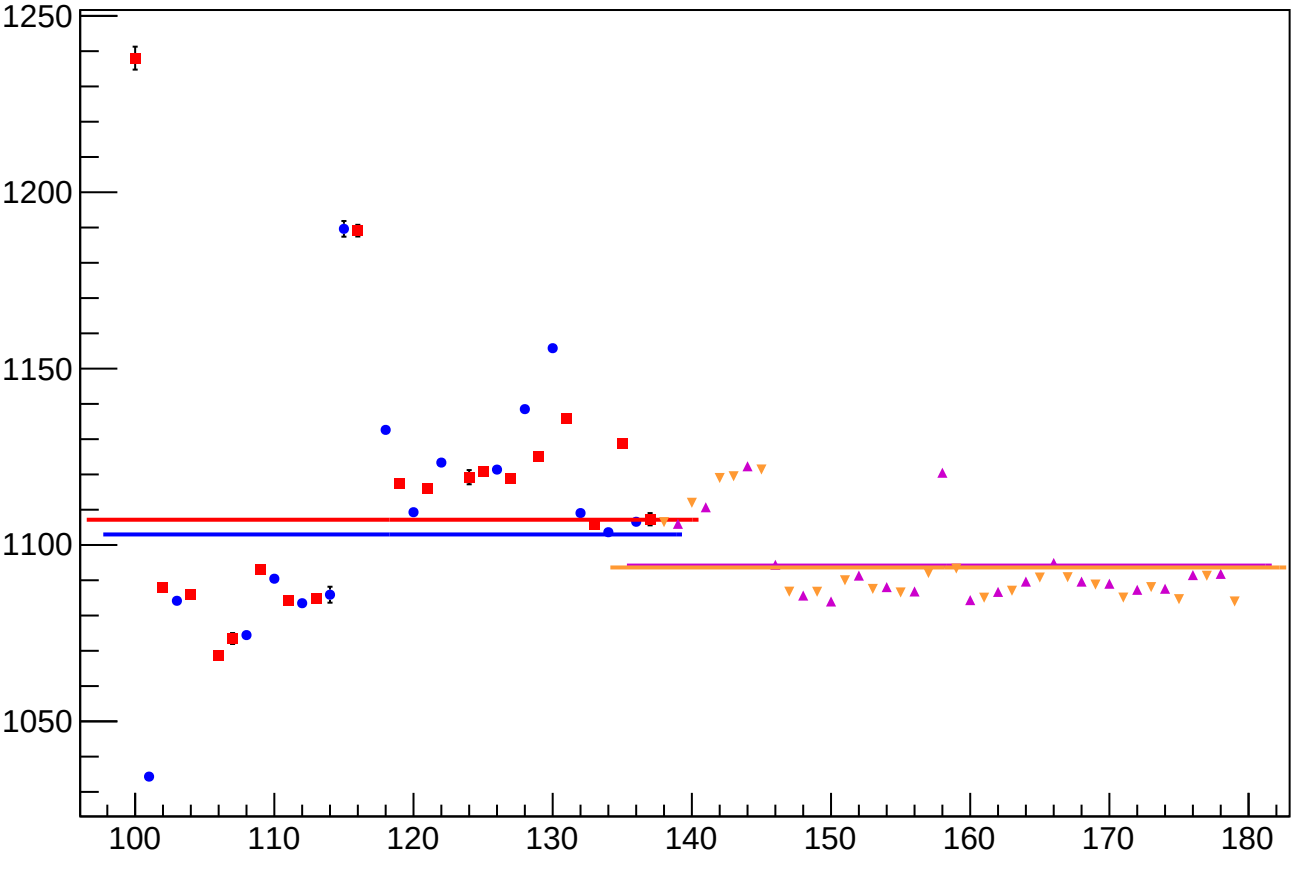
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2507.069+/-225.843 χ^2/NDF:35.1/35

Out: 2030.605+/-219.498 χ^2/NDF:25.0/40

All: 2262.050+/-157.404 χ^2/NDF: 62.3/76

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

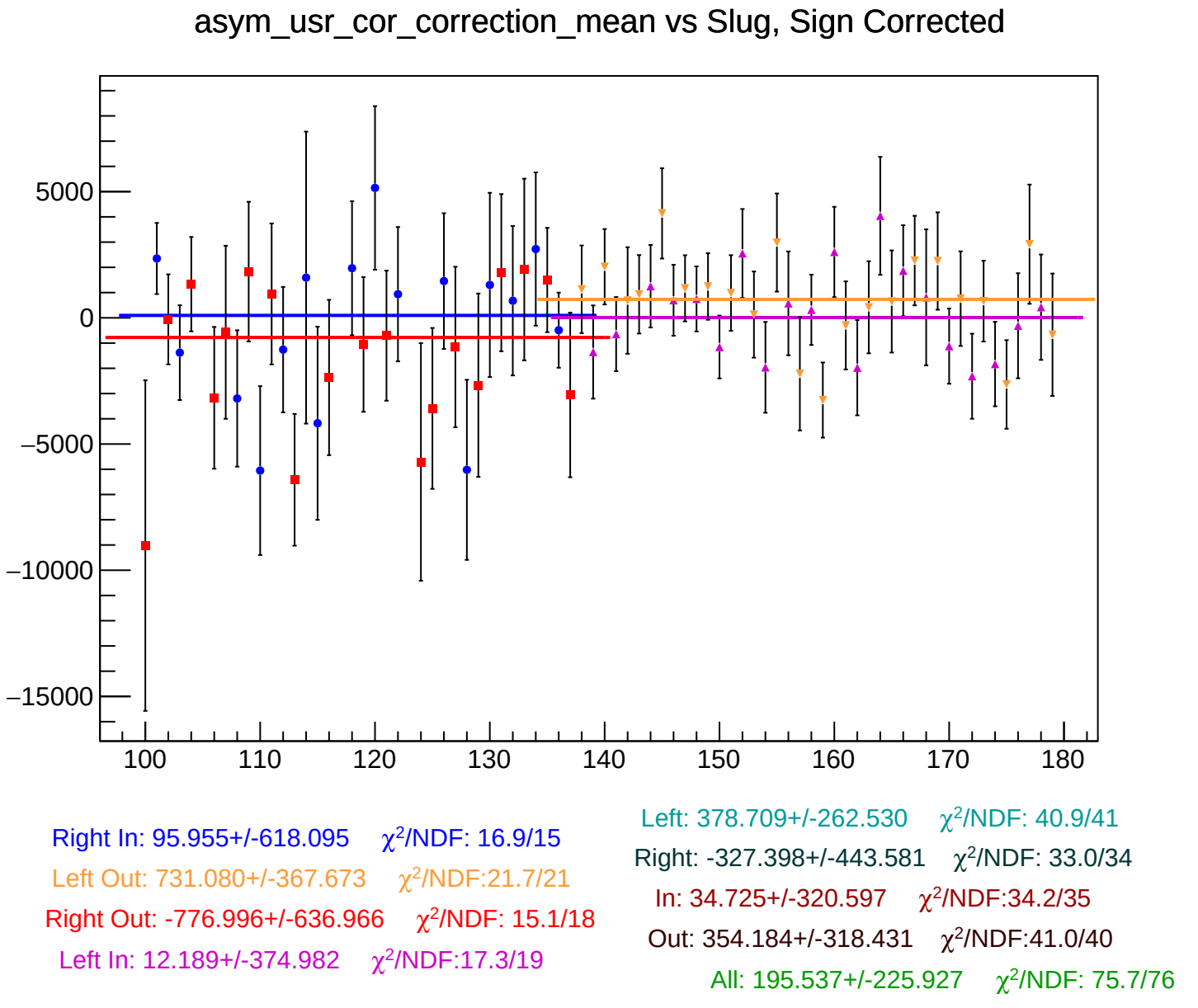
Left: 1093.886+/-0.133 χ^2/NDF: 7418.7/41

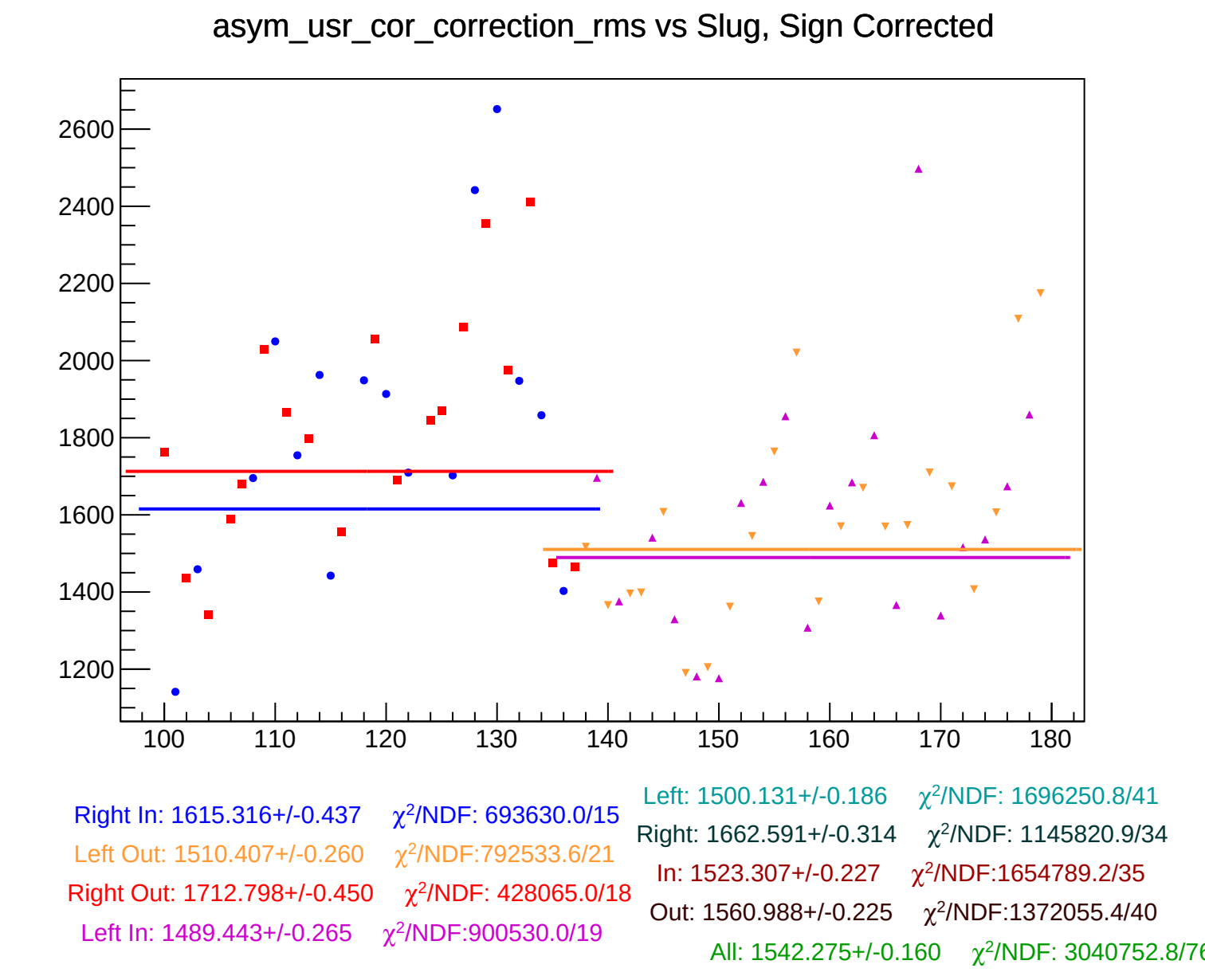
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

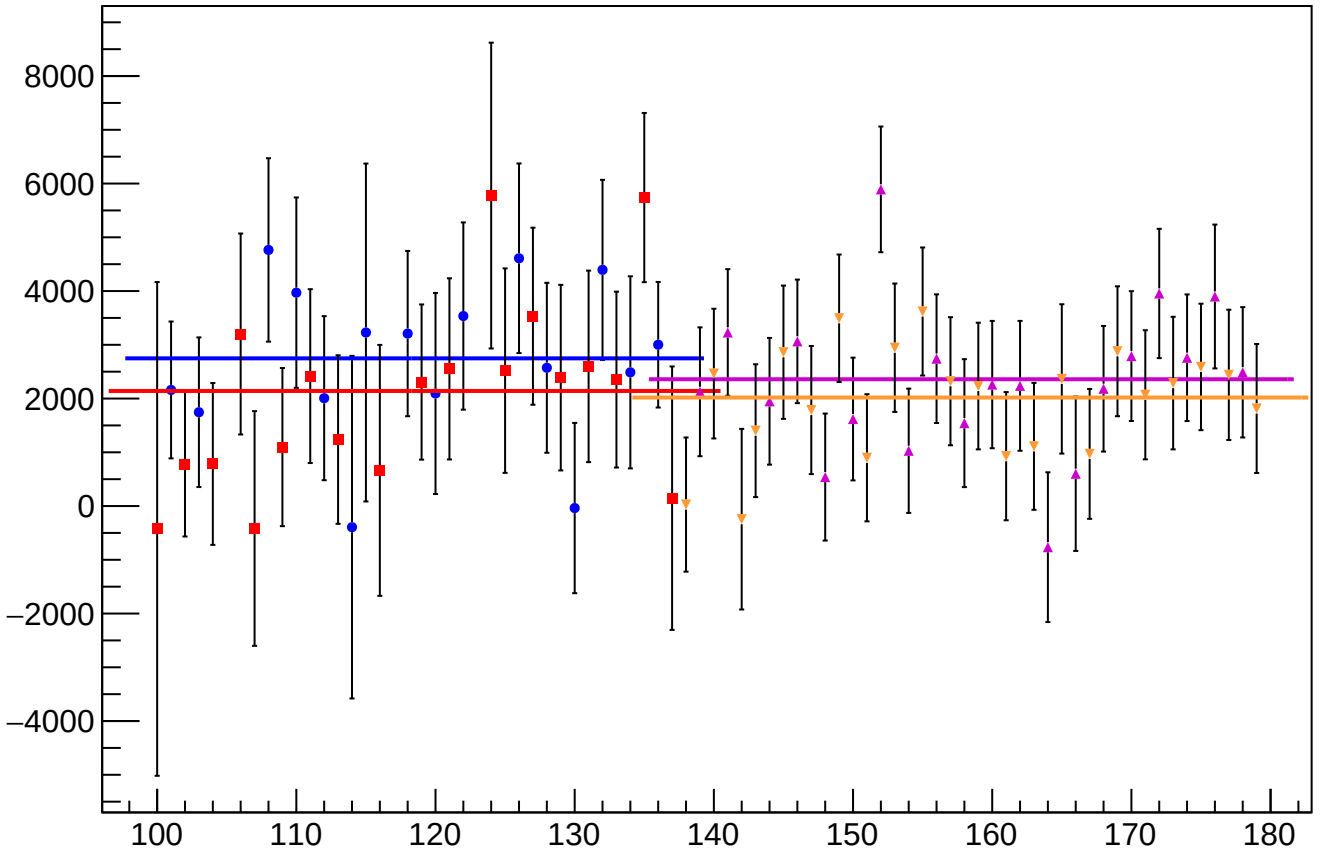
In: 1096.843+/-0.160 χ^2/NDF:17408.0/35

Out: 1097.625+/-0.155 χ^2/NDF:14142.0/40

All: 1097.246+/-0.111 χ^2/NDF: 31562.3/76


asym_usr_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 731.080+/-367.673 χ²/NDF:21.7/21
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 12.189+/-374.982 χ²/NDF:17.3/19
Left: 378.709+/-262.530 χ²/NDF: 40.9/41
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 34.725+/-320.597 χ²/NDF:34.2/35
Out: 354.184+/-318.431 χ²/NDF:41.0/40
All: 195.537+/-225.927 χ²/NDF: 75.7/76


asym_usr_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1510.407+/-0.260 χ²/NDF:792533.6/21
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1489.443+/-0.265 χ²/NDF:900530.0/19
Left: 1500.131+/-0.186 χ²/NDF: 1696250.8/41
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1523.307+/-0.227 χ²/NDF:1654789.2/35
Out: 1560.988+/-0.225 χ²/NDF:1372055.4/40
All: 1542.275+/-0.160 χ²/NDF: 3040752.8/76



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2018.961+/-260.782 χ^2/NDF:13.4/21

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2359.140+/-269.910 χ^2/NDF:24.8/19

Left: 2183.201+/-187.545 χ^2/NDF: 39.0/41

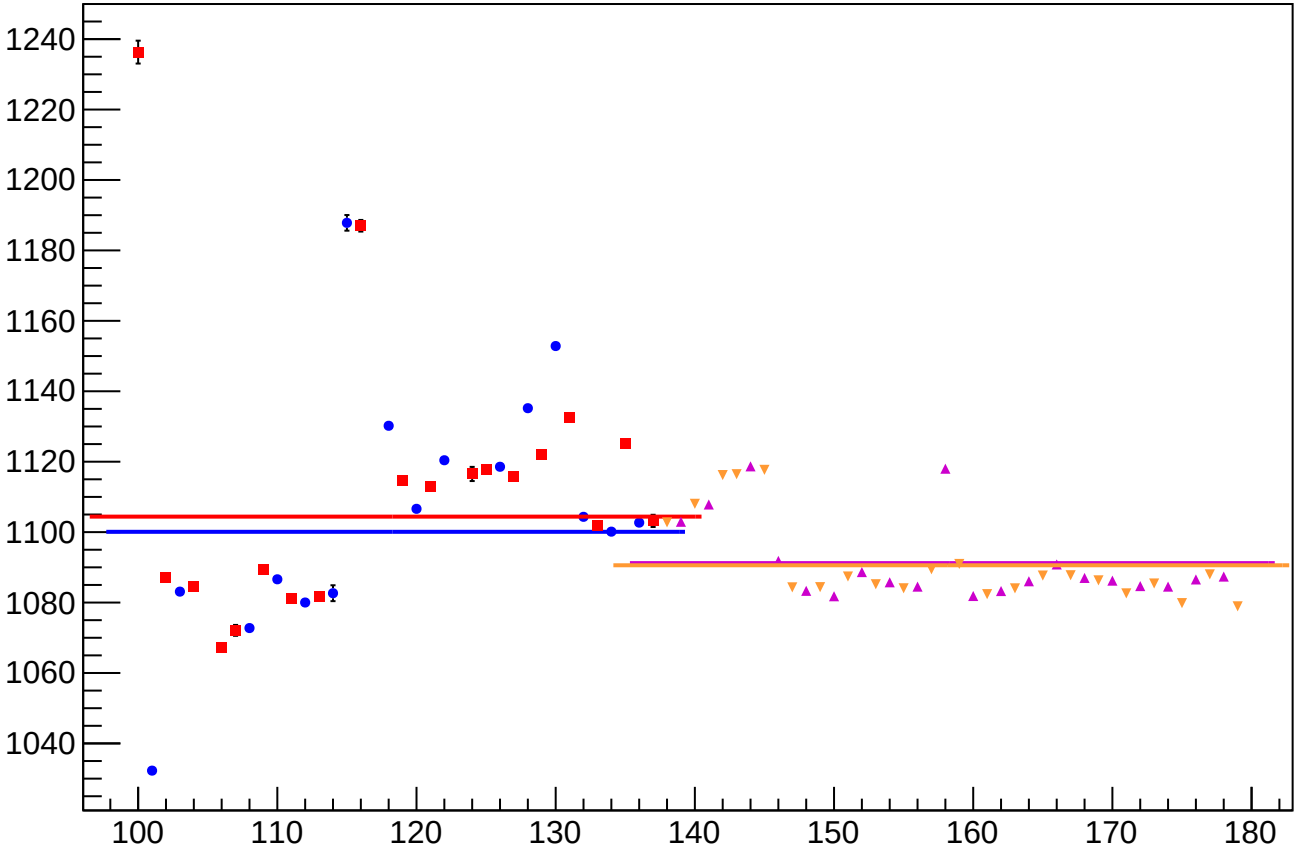
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2477.191+/-225.237 χ^2/NDF:34.9/35

Out: 2055.057+/-218.906 χ^2/NDF:27.0/40

All: 2260.108+/-156.981 χ^2/NDF: 63.7/76

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1090.587+/-0.184 χ^2/NDF:3822.0/21

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1091.201+/-0.191 χ^2/NDF:3499.1/19

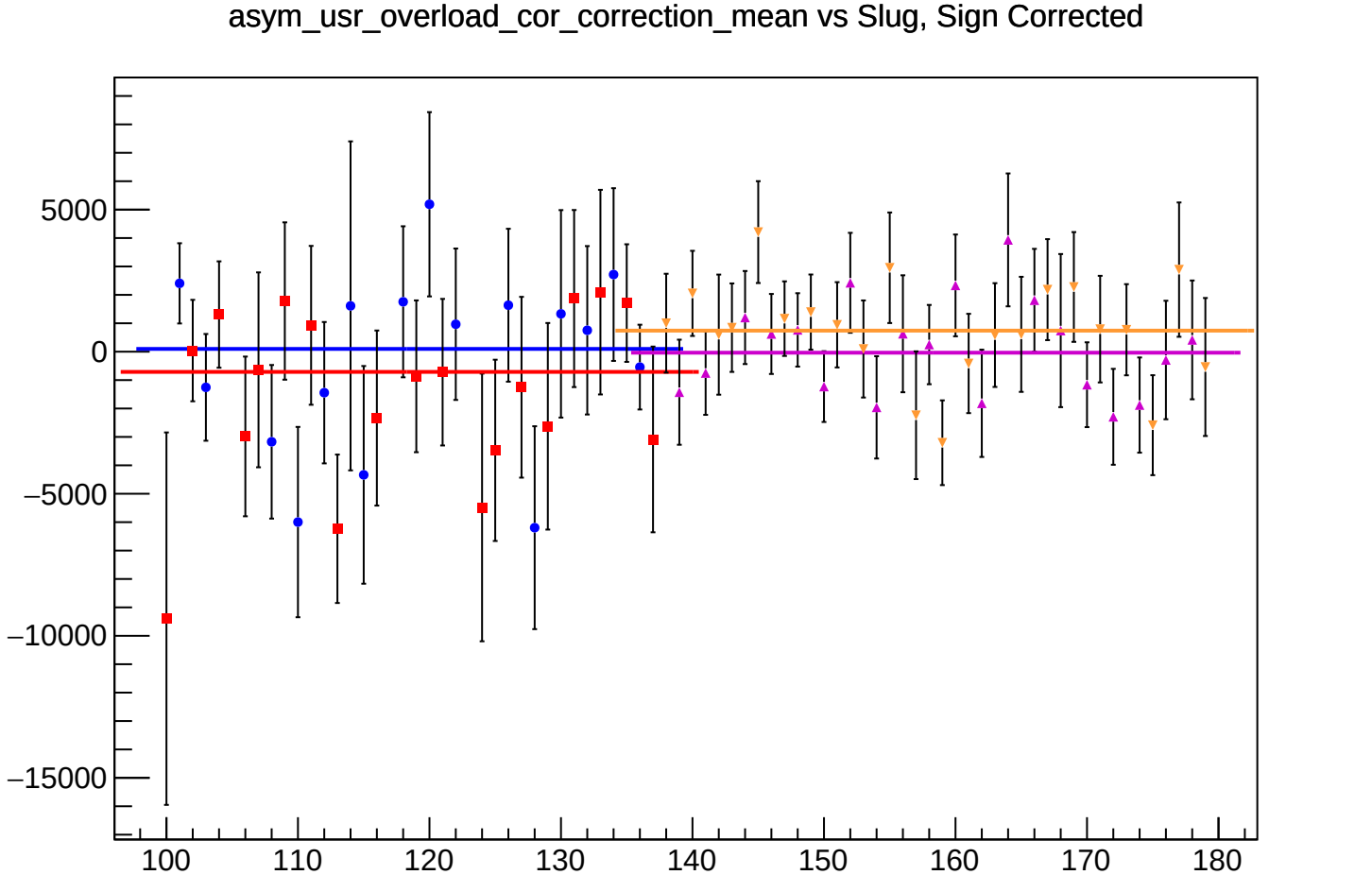
Left: 1090.884+/-0.133 χ^2/NDF: 7326.5/41

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1093.900+/-0.159 χ^2/NDF:17234.9/35

Out: 1094.668+/-0.155 χ^2/NDF:14023.5/40

All: 1094.295+/-0.111 χ^2/NDF: 31270.3/76



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 741.144+/-368.225 χ^2/NDF:21.5/21

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -35.485+/-375.543 χ^2/NDF:16.4/19

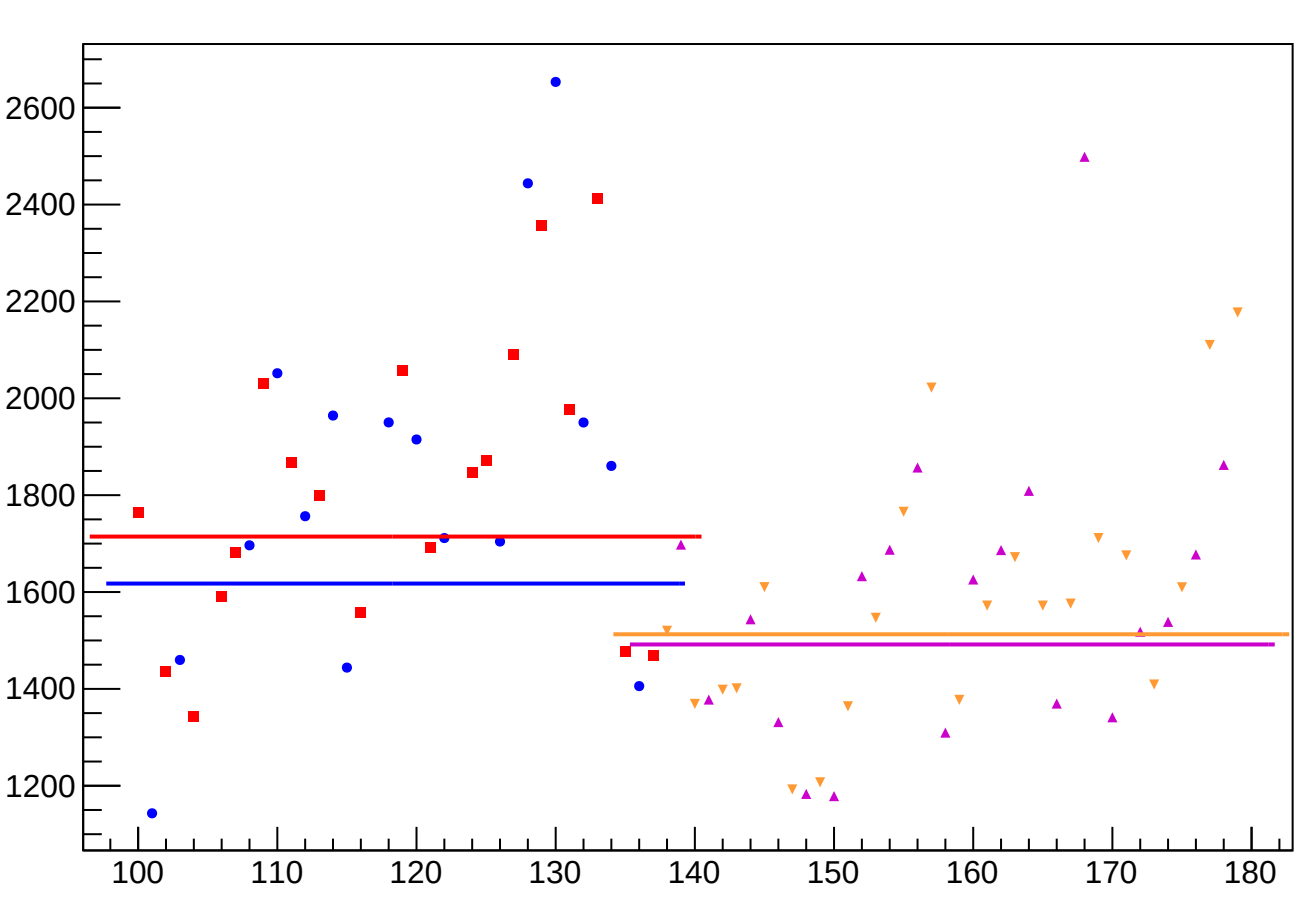
Left: 360.470+/-262.924 χ^2/NDF: 40.1/41

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 0.287+/-321.056 χ^2/NDF:33.7/35

Out: 377.867+/-318.868 χ^2/NDF:40.3/40

All: 190.368+/-226.243 χ^2/NDF: 74.7/76



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1512.778+/-0.260 χ^2/NDF:789825.5/21

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1491.762+/-0.266 χ^2/NDF:897618.7/19

Left: 1502.477+/-0.186 χ^2/NDF: 1690637.7/41

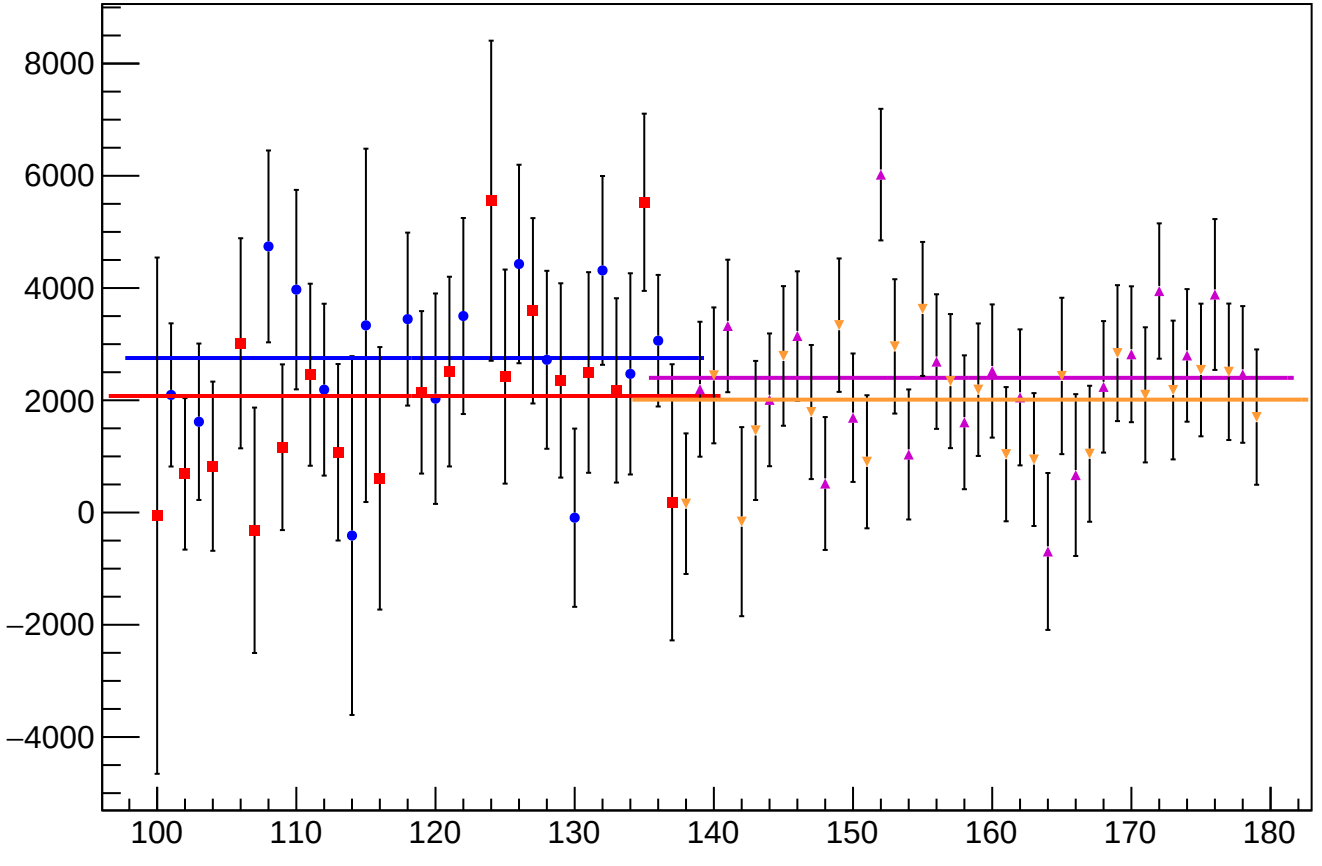
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1525.599+/-0.227 χ^2/NDF:1649674.7/35

Out: 1563.234+/-0.225 χ^2/NDF:1367670.9/40

All: 1544.545+/-0.160 χ^2/NDF: 3031181.0/76

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2011.368+/-261.509 χ^2/NDF:12.4/21

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2399.768+/-270.643 χ^2/NDF:25.1/19

Left: 2198.903+/-188.061 χ^2/NDF: 38.5/41

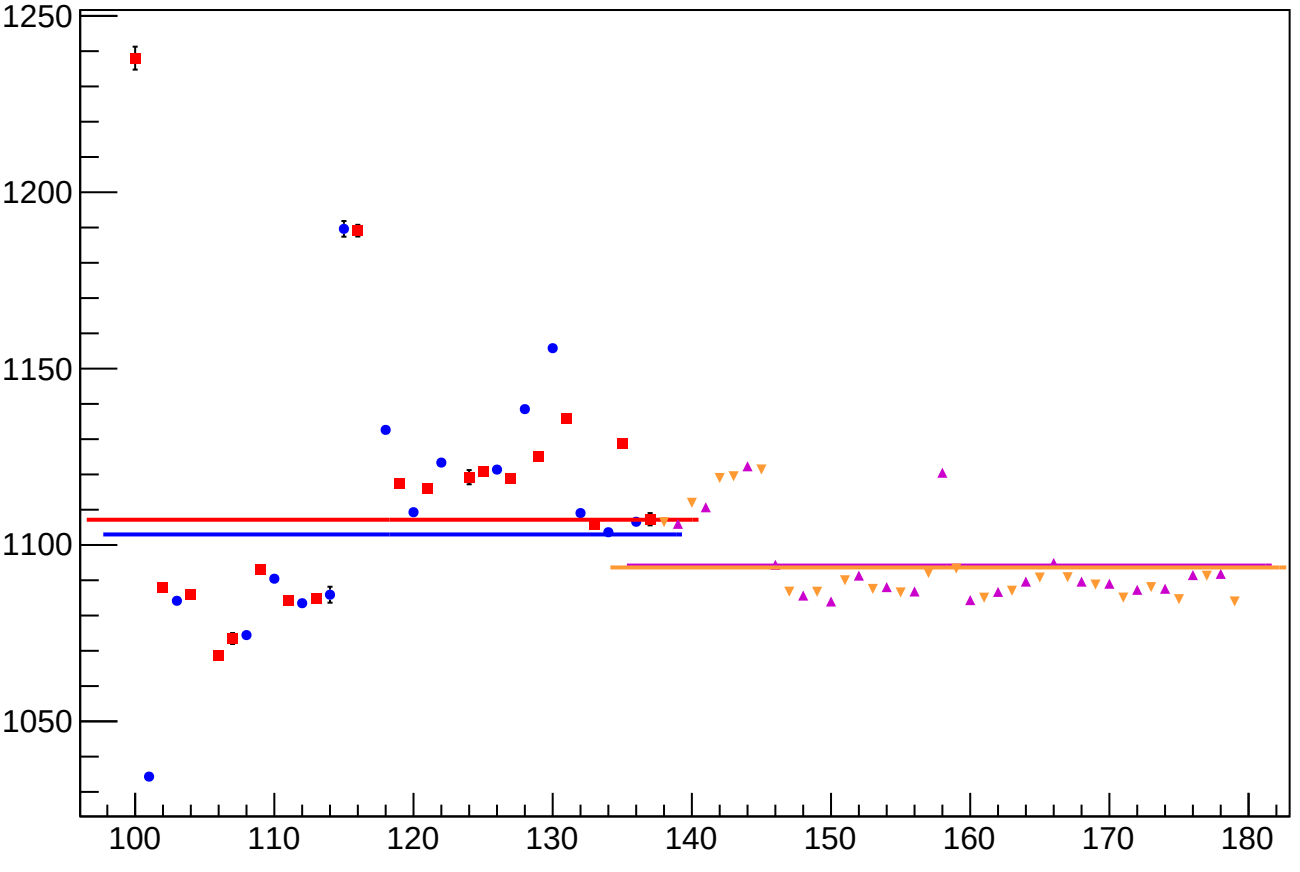
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2507.069+/-225.843 χ^2/NDF:35.1/35

Out: 2030.605+/-219.498 χ^2/NDF:25.0/40

All: 2262.050+/-157.404 χ^2/NDF: 62.3/76

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1093.627+/-0.185 χ^2/NDF:3876.0/21

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.164+/-0.191 χ^2/NDF:3538.6/19

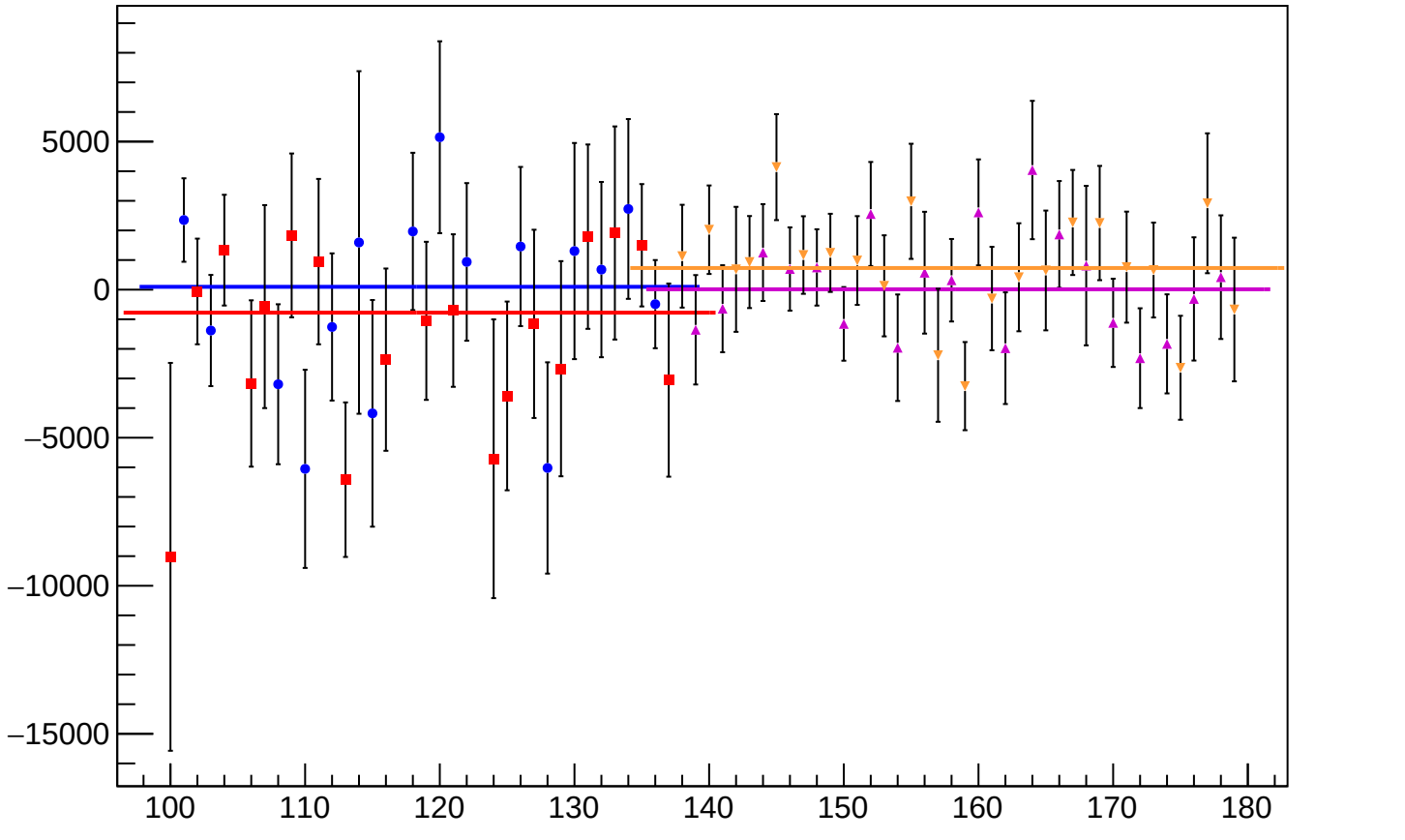
Left: 1093.886+/-0.133 χ^2/NDF: 7418.7/41

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.843+/-0.160 χ^2/NDF:17408.0/35

Out: 1097.625+/-0.155 χ^2/NDF:14142.0/40

All: 1097.246+/-0.111 χ^2/NDF: 31562.3/76



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 731.080+/-367.673 χ^2/NDF:21.7/21

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 12.189+/-374.982 χ^2/NDF:17.3/19

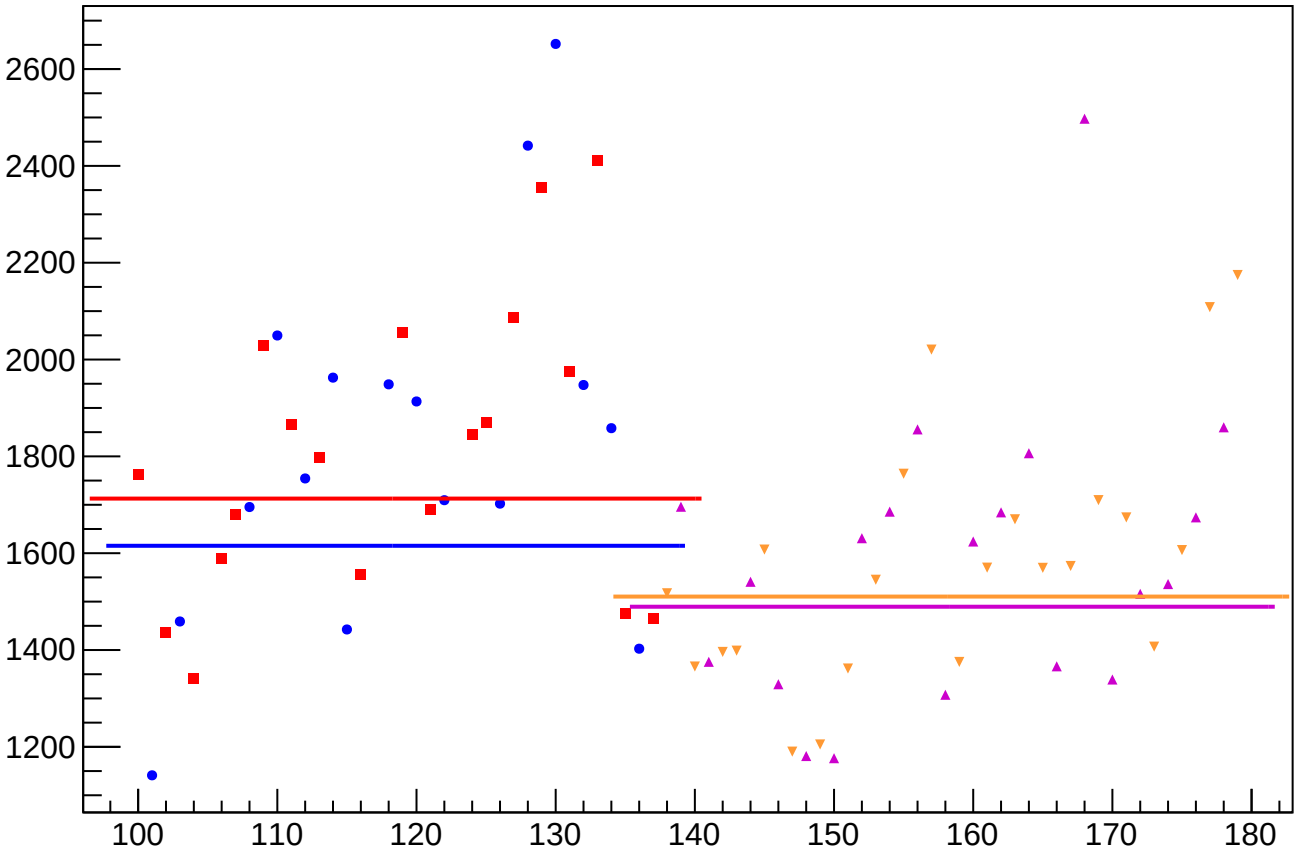
Left: 378.709+/-262.530 χ^2/NDF: 40.9/41

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 34.725+/-320.597 χ^2/NDF:34.2/35

Out: 354.184+/-318.431 χ^2/NDF:41.0/40

All: 195.537+/-225.927 χ^2/NDF: 75.7/76



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1510.407+/-0.260 χ^2/NDF:792533.6/21

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1489.443+/-0.265 χ^2/NDF:900530.0/19

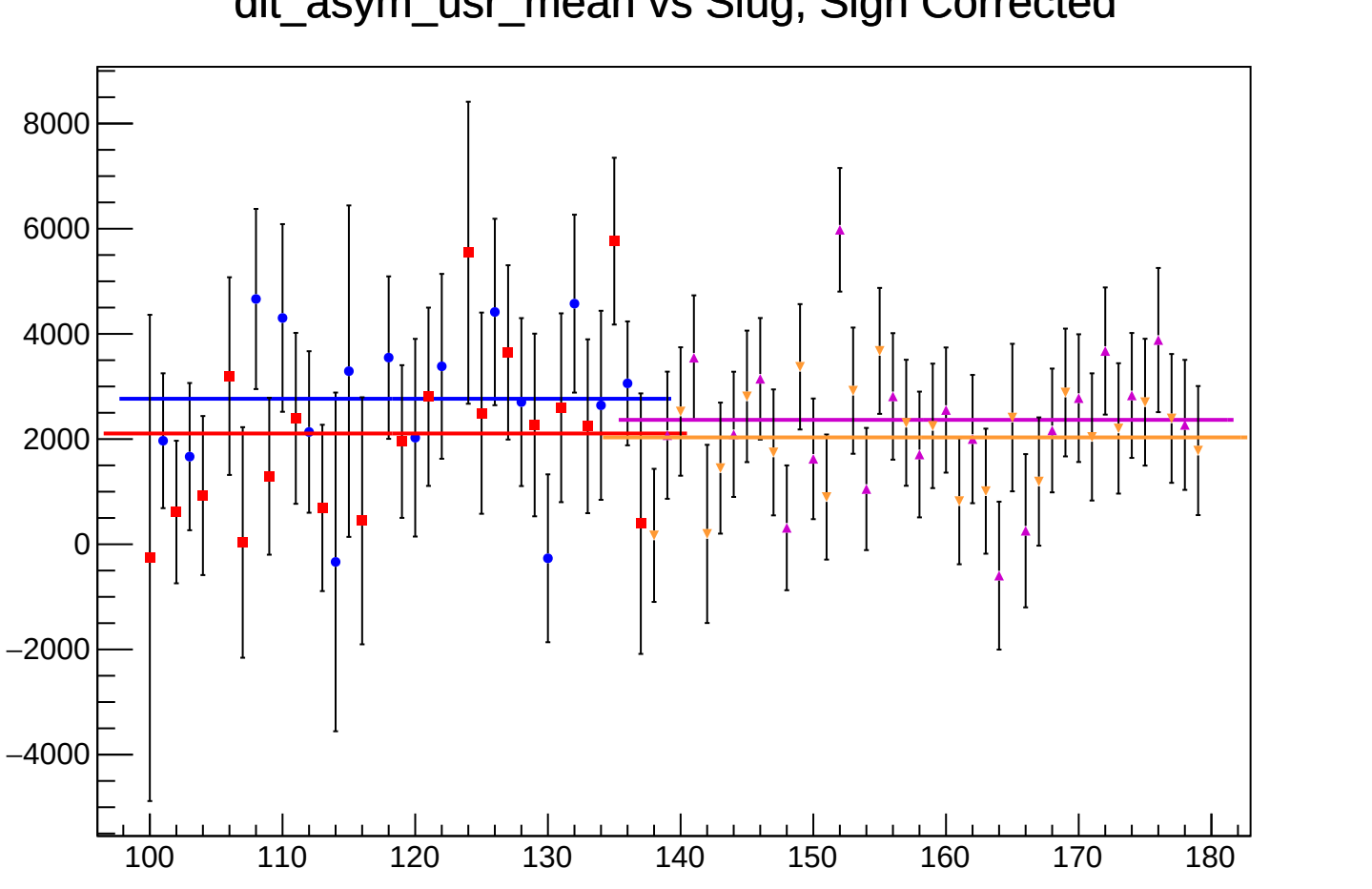
Left: 1500.131+/-0.186 χ^2/NDF: 1696250.8/41

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

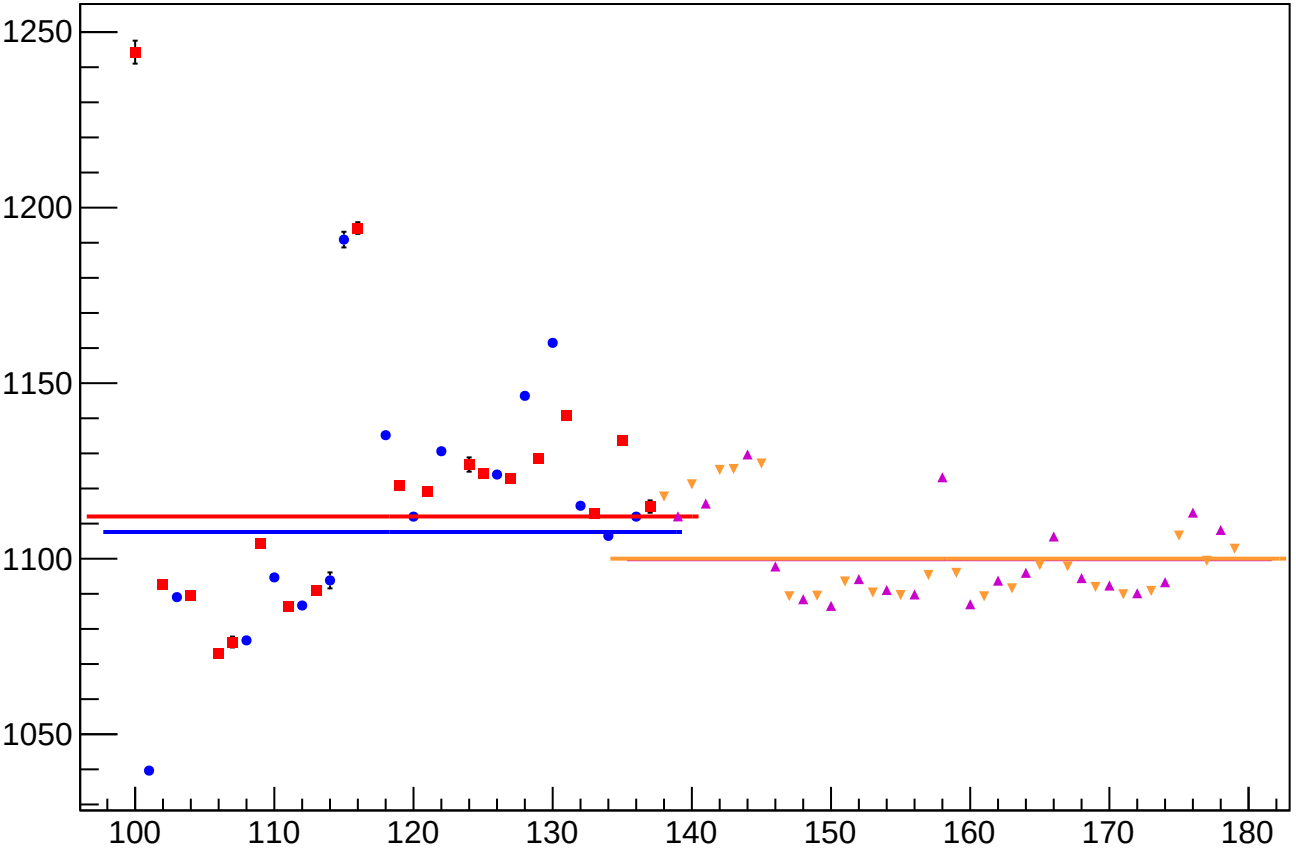
In: 1523.307+/-0.227 χ^2/NDF:1654789.2/35

Out: 1560.988+/-0.225 χ^2/NDF:1372055.4/40

All: 1542.275+/-0.160 χ^2/NDF: 3040752.8/76


dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 2032.147+/-263.044 χ²/NDF:12.1/21
Right Out: 2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: 2365.374+/-272.059 χ²/NDF:25.5/19
Left: 2193.149+/-189.107 χ²/NDF: 38.4/41
Right: 2431.678+/-288.883 χ²/NDF: 25.0/34
In: 2487.401+/-226.954 χ²/NDF:36.5/35
Out: 2054.120+/-220.694 χ²/NDF:25.5/40
All: 2264.702+/-158.221 χ²/NDF: 63.9/76

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.858+/-0.192 χ^2/NDF:4263.6/19

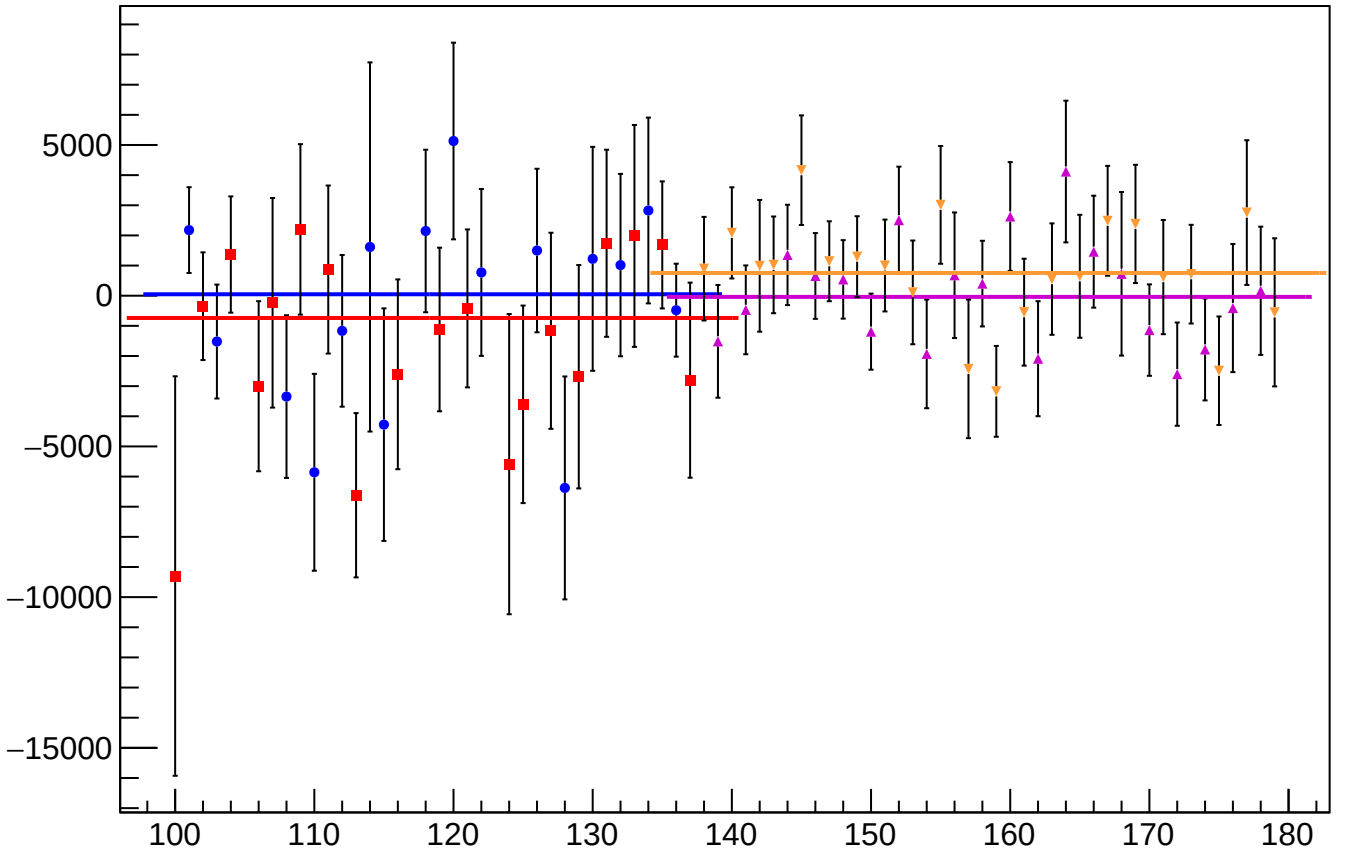
Left: 1099.938+/-0.134 χ^2/NDF: 8872.2/41

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.216+/-0.160 χ^2/NDF:17978.7/35

Out: 1103.571+/-0.156 χ^2/NDF:14497.4/40

All: 1102.913+/-0.112 χ^2/NDF: 32512.7/76



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 755.409+/-373.393 χ^2/NDF:21.2/21

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -38.904+/-379.993 χ^2/NDF:17.1/19

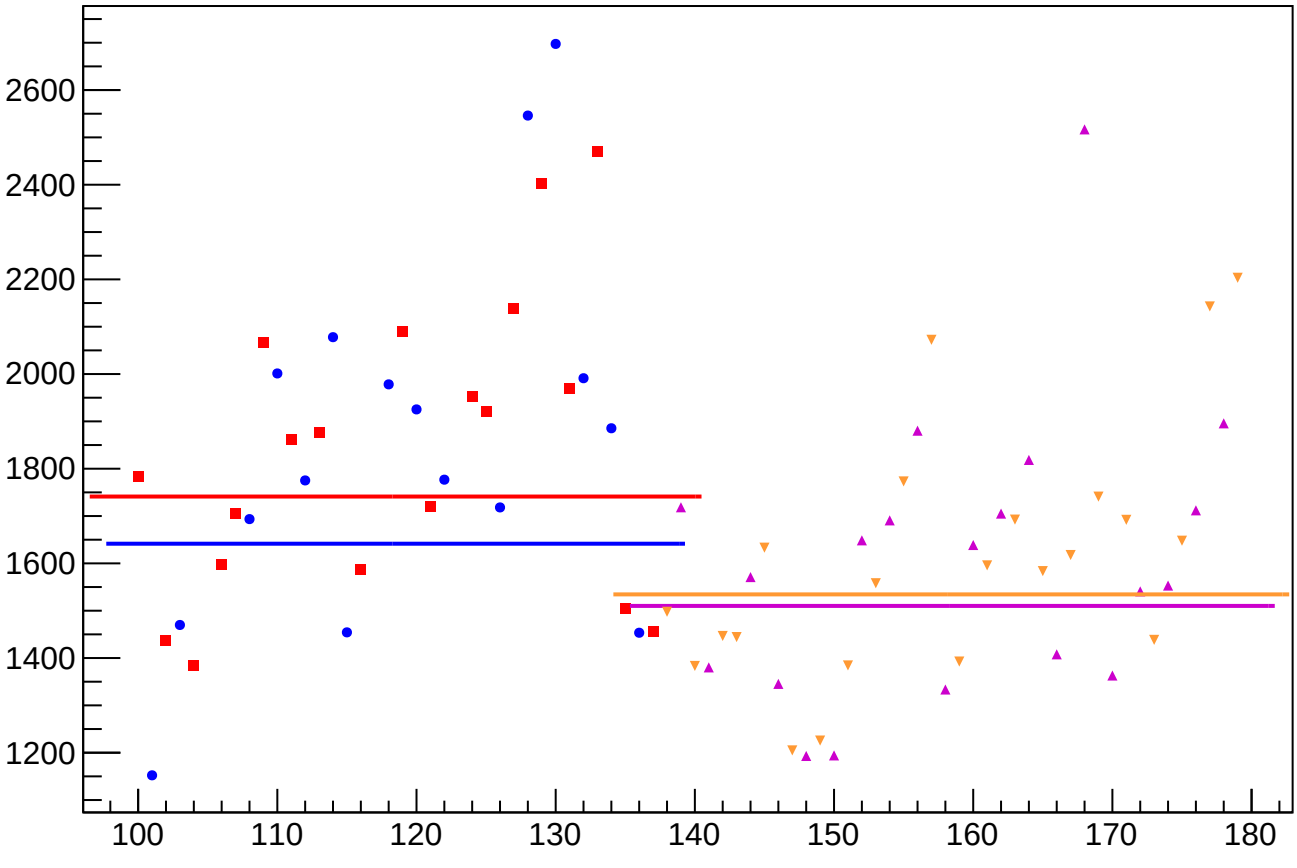
Left: 365.210+/-266.332 χ^2/NDF: 40.5/41

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -15.666+/-325.118 χ^2/NDF:34.0/35

Out: 382.927+/-323.500 χ^2/NDF:40.1/40

All: 184.625+/-229.319 χ^2/NDF: 74.9/76



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1534.466+/-0.264 χ^2/NDF:792688.5/21

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1510.127+/-0.269 χ^2/NDF:891455.9/19

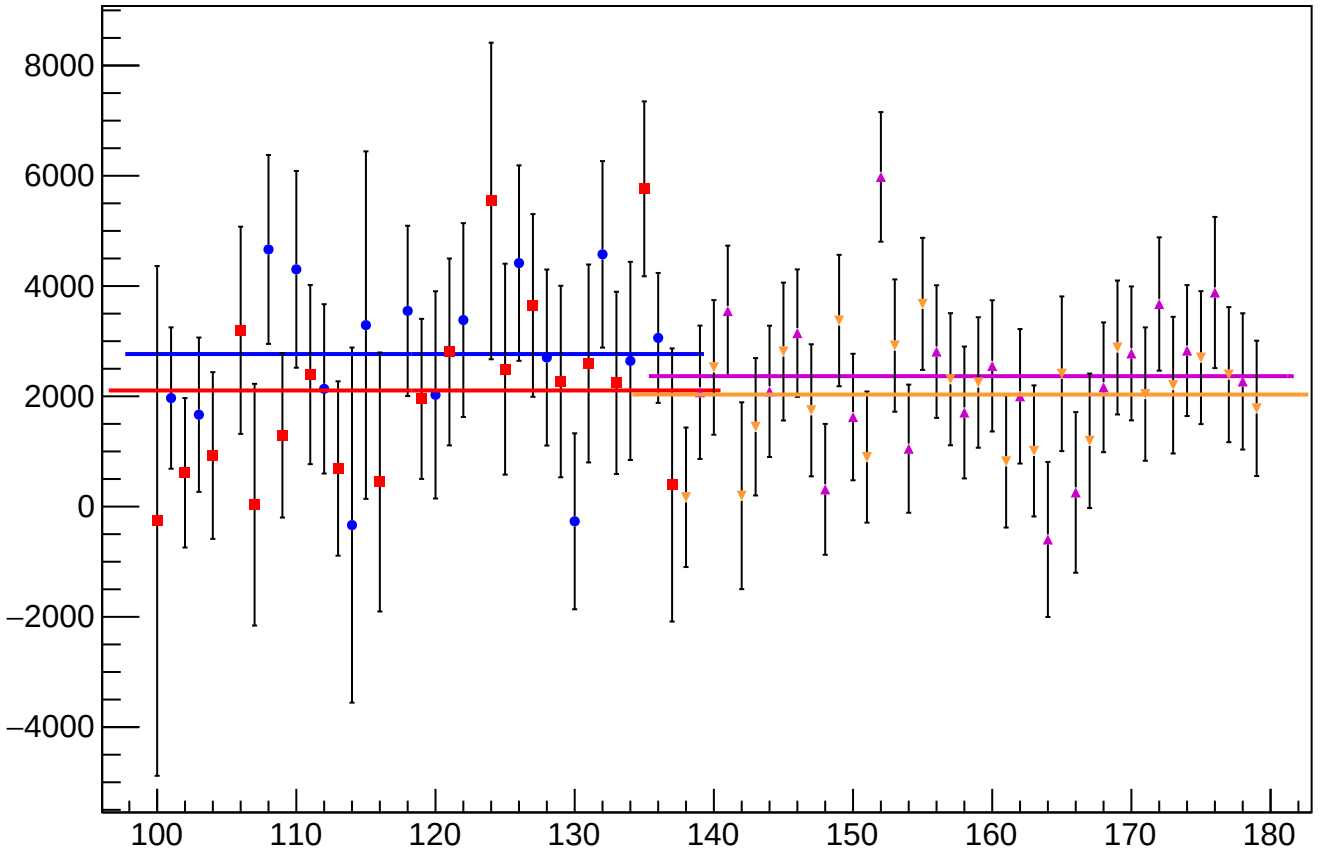
Left: 1522.510+/-0.188 χ^2/NDF: 1688318.7/41

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1545.341+/-0.230 χ^2/NDF:1656861.8/35

Out: 1586.023+/-0.229 χ^2/NDF:1383920.7/40

All: 1565.783+/-0.162 χ^2/NDF: 3056518.1/76



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2032.146+/-263.044 χ^2/NDF:12.1/21

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2365.374+/-272.059 χ^2/NDF:25.5/19

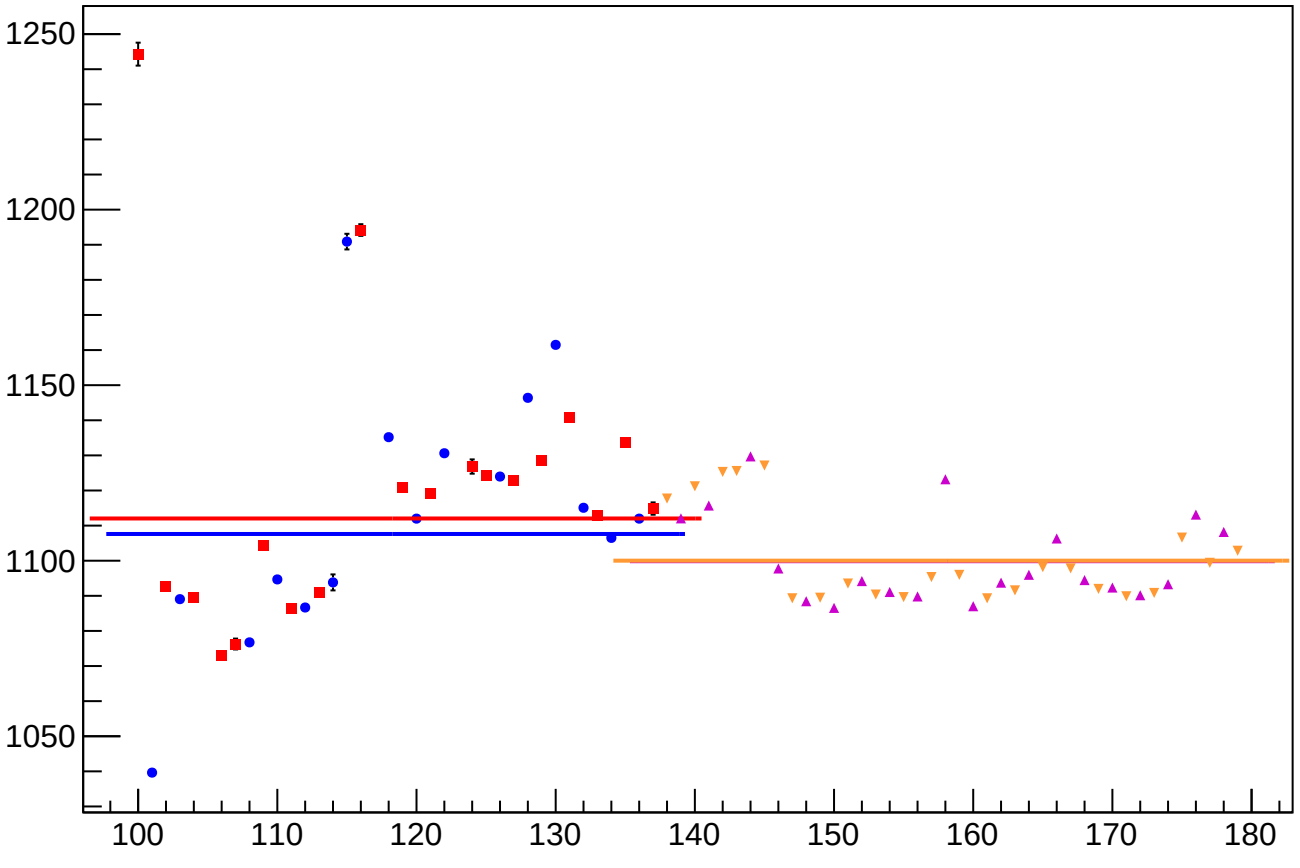
Left: 2193.148+/-189.107 χ^2/NDF: 38.4/41

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2487.401+/-226.954 χ^2/NDF:36.5/35

Out: 2054.119+/-220.694 χ^2/NDF:25.5/40

All: 2264.701+/-158.221 χ^2/NDF: 63.9/76



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1100.013+/-0.186 χ^2/NDF:4608.3/21

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.858+/-0.192 χ^2/NDF:4263.6/19

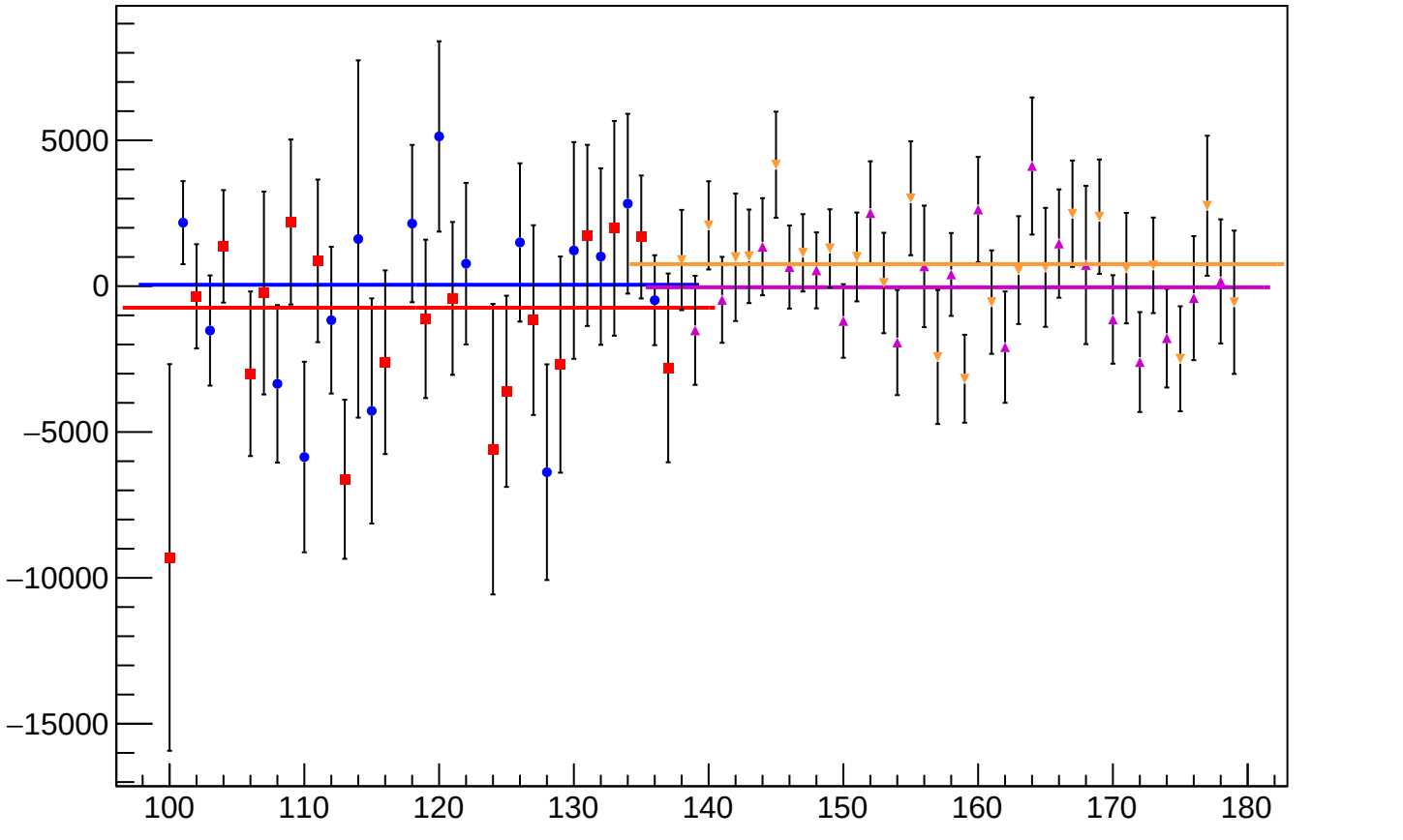
Left: 1099.938+/-0.134 χ^2/NDF: 8872.2/41

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1102.216+/-0.160 χ^2/NDF:17978.5/35

Out: 1103.571+/-0.156 χ^2/NDF:14497.3/40

All: 1102.913+/-0.112 χ^2/NDF: 32512.5/76



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 755.408+/-373.394 χ^2/NDF:21.2/21

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -38.903+/-379.994 χ^2/NDF:17.1/19

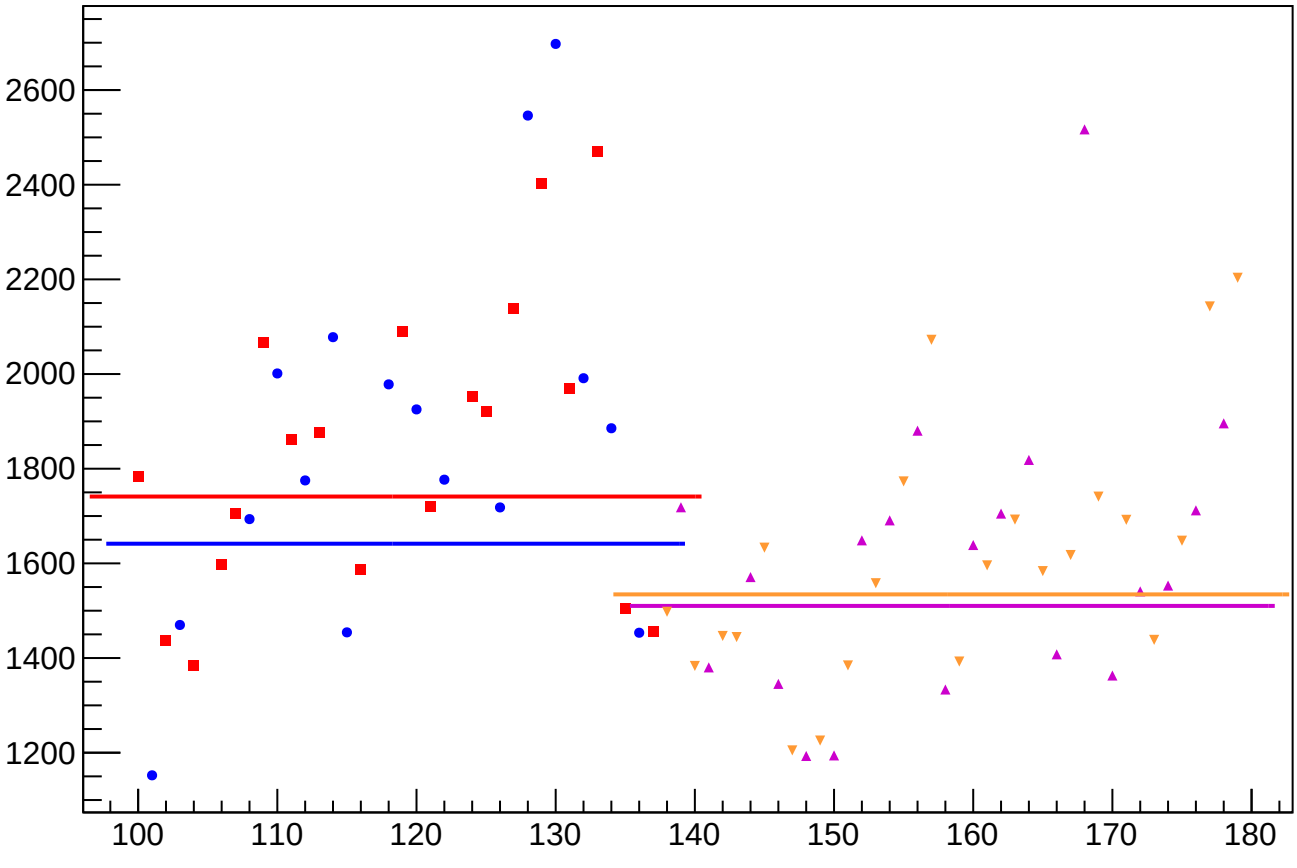
Left: 365.210+/-266.332 χ^2/NDF: 40.5/41

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -15.666+/-325.119 χ^2/NDF:34.0/35

Out: 382.923+/-323.501 χ^2/NDF:40.1/40

All: 184.623+/-229.319 χ^2/NDF: 74.9/76



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1534.470+/-0.264 χ^2/NDF:792692.4/21

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1510.131+/-0.269 χ^2/NDF:891461.3/19

Left: 1522.513+/-0.188 χ^2/NDF: 1688328.0/41

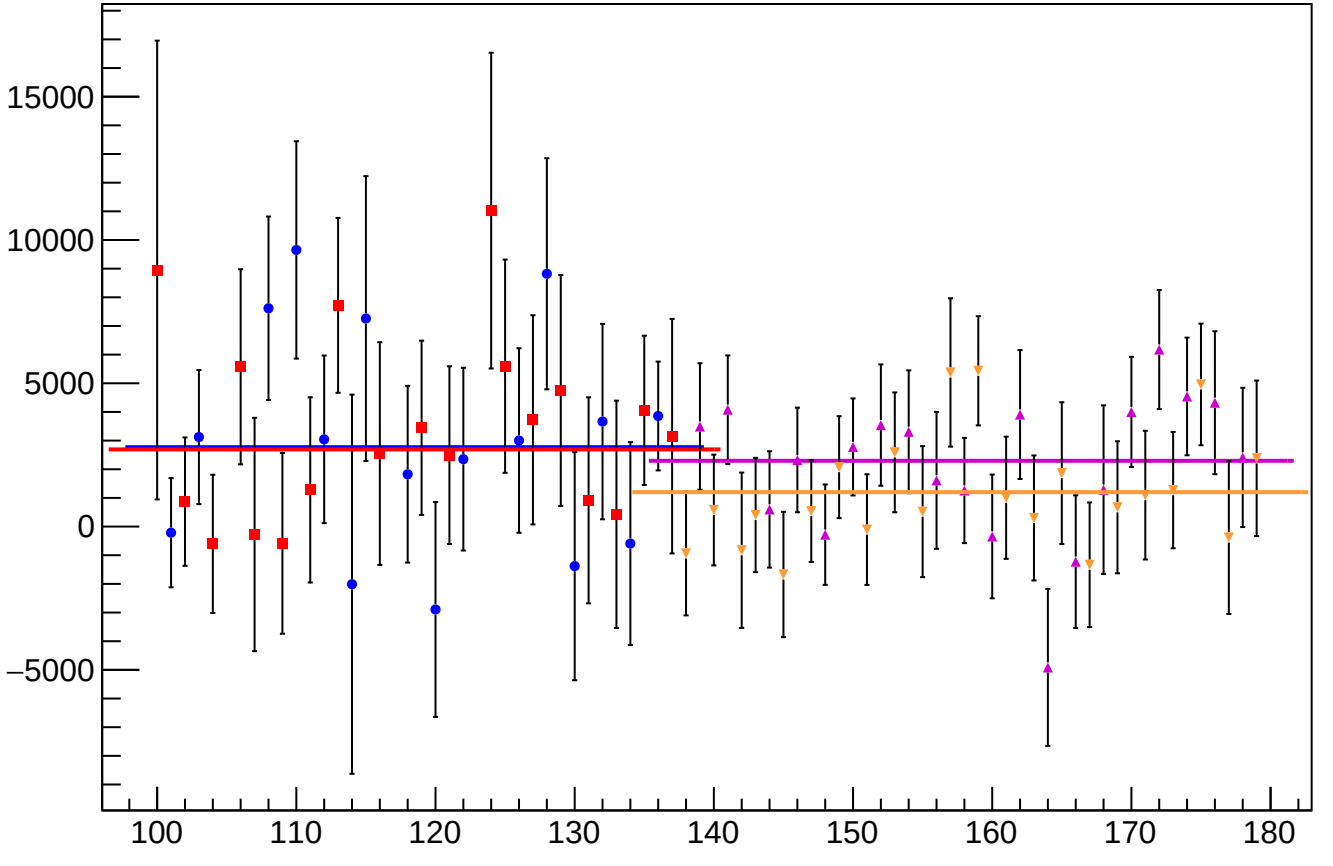
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1545.343+/-0.230 χ^2/NDF:1656849.3/35

Out: 1586.025+/-0.229 χ^2/NDF:1383904.8/40

All: 1565.786+/-0.162 χ^2/NDF: 3056489.9/76

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1201.842+/-458.412 χ^2/NDF:17.8/21

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2295.213+/-469.698 χ^2/NDF:22.6/19

Left: 1735.233+/-328.064 χ^2/NDF: 43.2/41

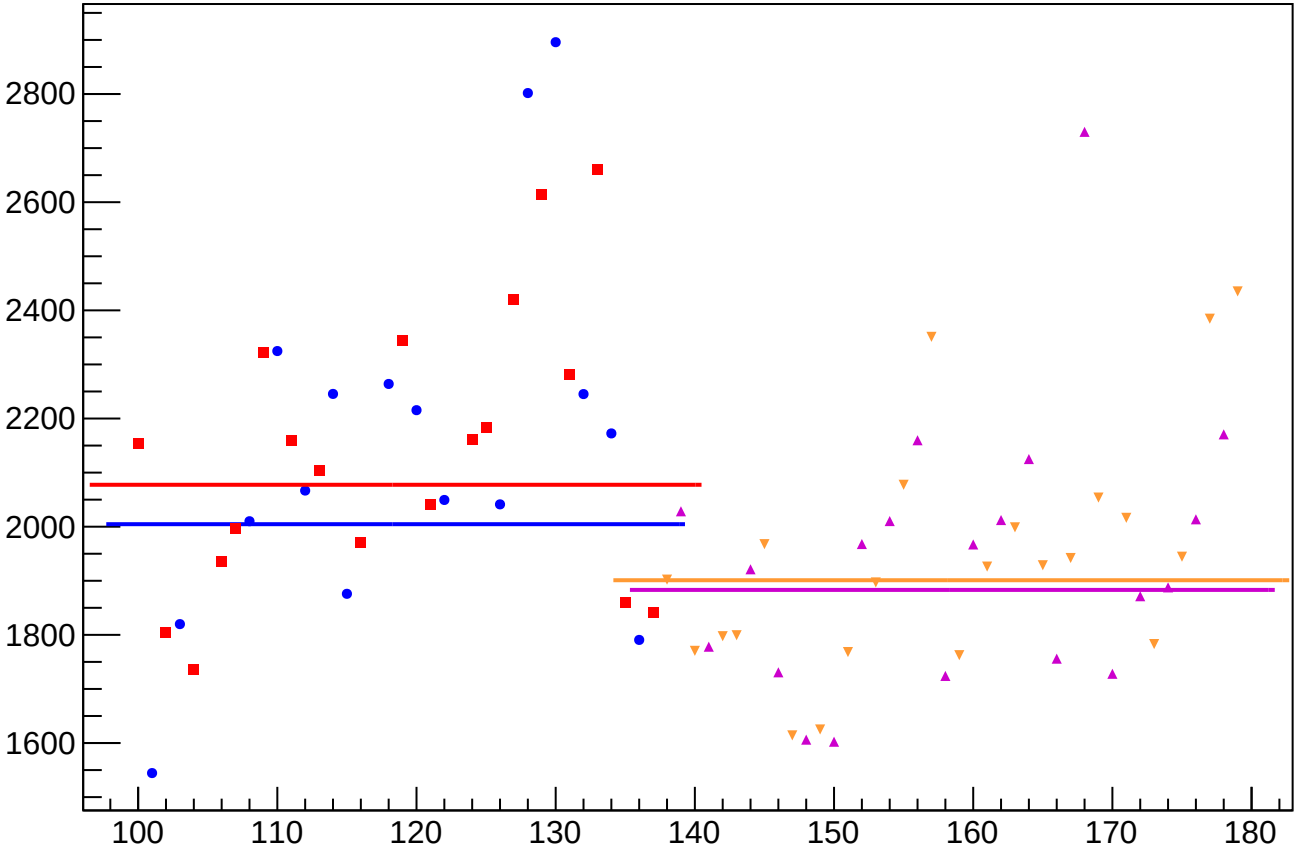
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2427.149+/-399.129 χ^2/NDF:39.3/35

Out: 1595.146+/-393.320 χ^2/NDF:33.1/40

All: 2005.049+/-280.151 χ^2/NDF: 74.6/76

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1901.007+/-0.324 χ^2/NDF:382163.0/21

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1883.115+/-0.332 χ^2/NDF:430241.9/19

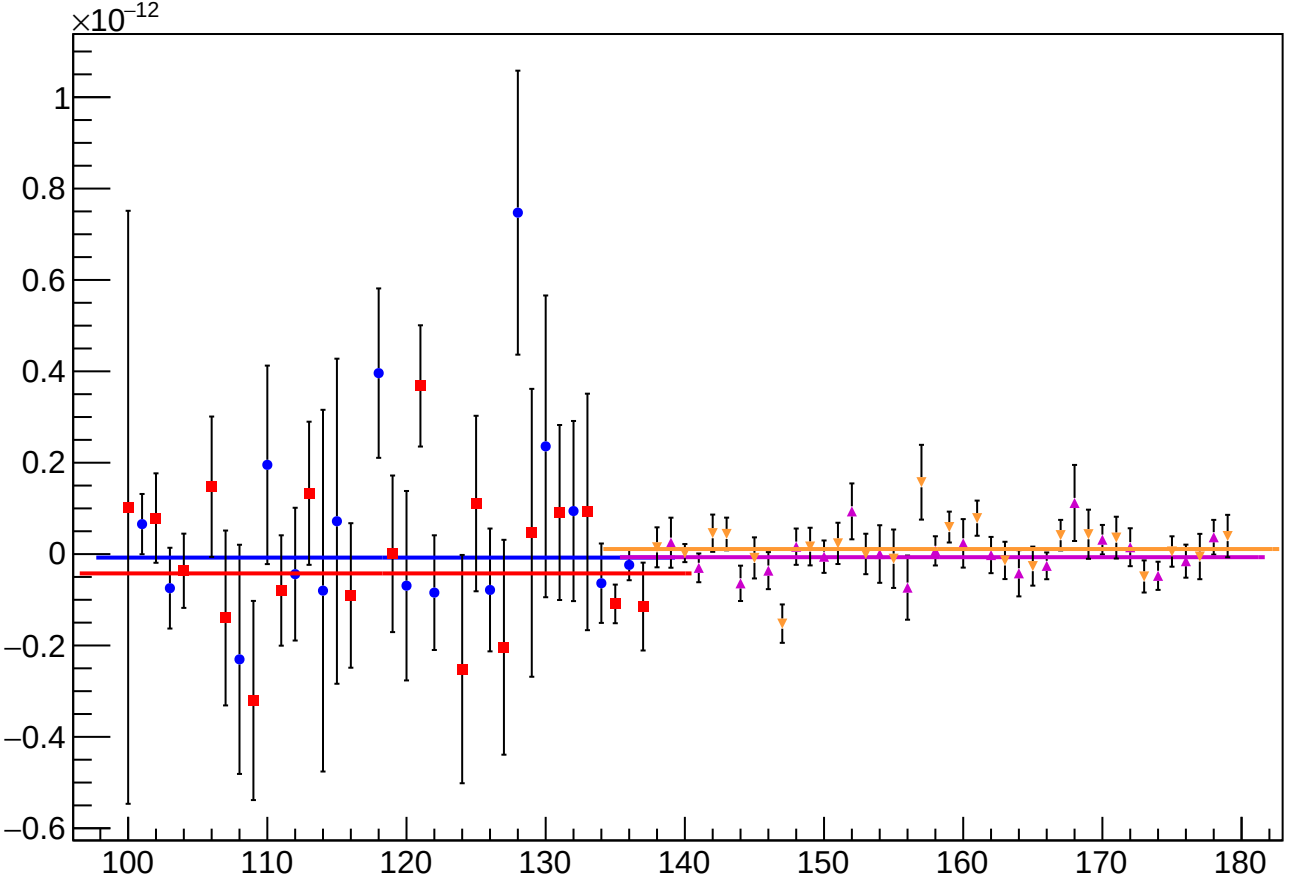
Left: 1892.279+/-0.232 χ^2/NDF: 813891.2/41

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1916.887+/-0.282 χ^2/NDF:855013.9/35

Out: 1947.570+/-0.278 χ^2/NDF:690859.8/40

All: 1932.454+/-0.198 χ^2/NDF: 1551870.1/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/19

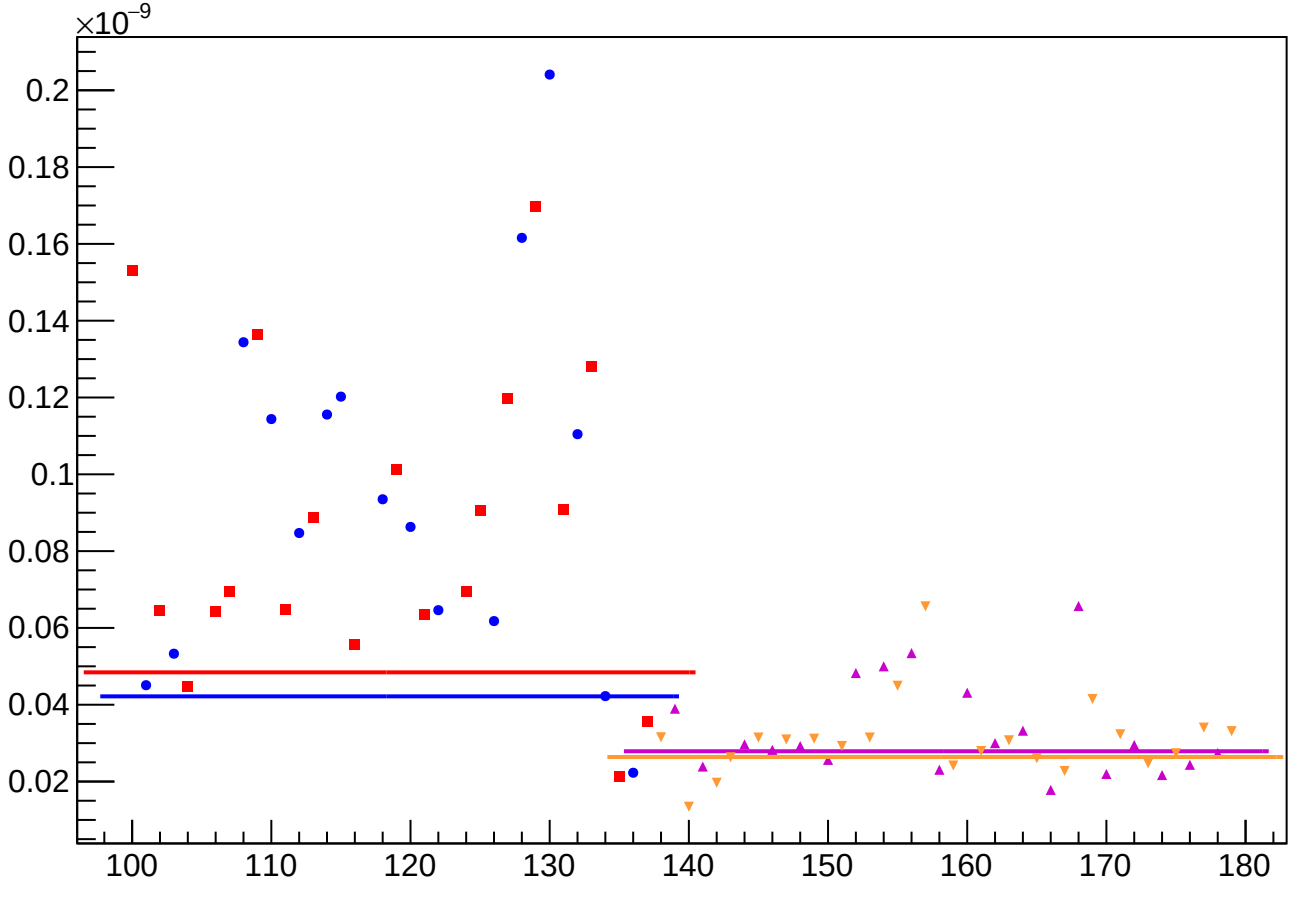
Left: 0.000+/-0.000 χ^2/NDF: 49.6/41

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:32.3/35

Out: 0.000+/-0.000 χ^2/NDF:57.0/40

All: 0.000+/-0.000 χ^2/NDF: 90.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2021103.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1919014.6/19

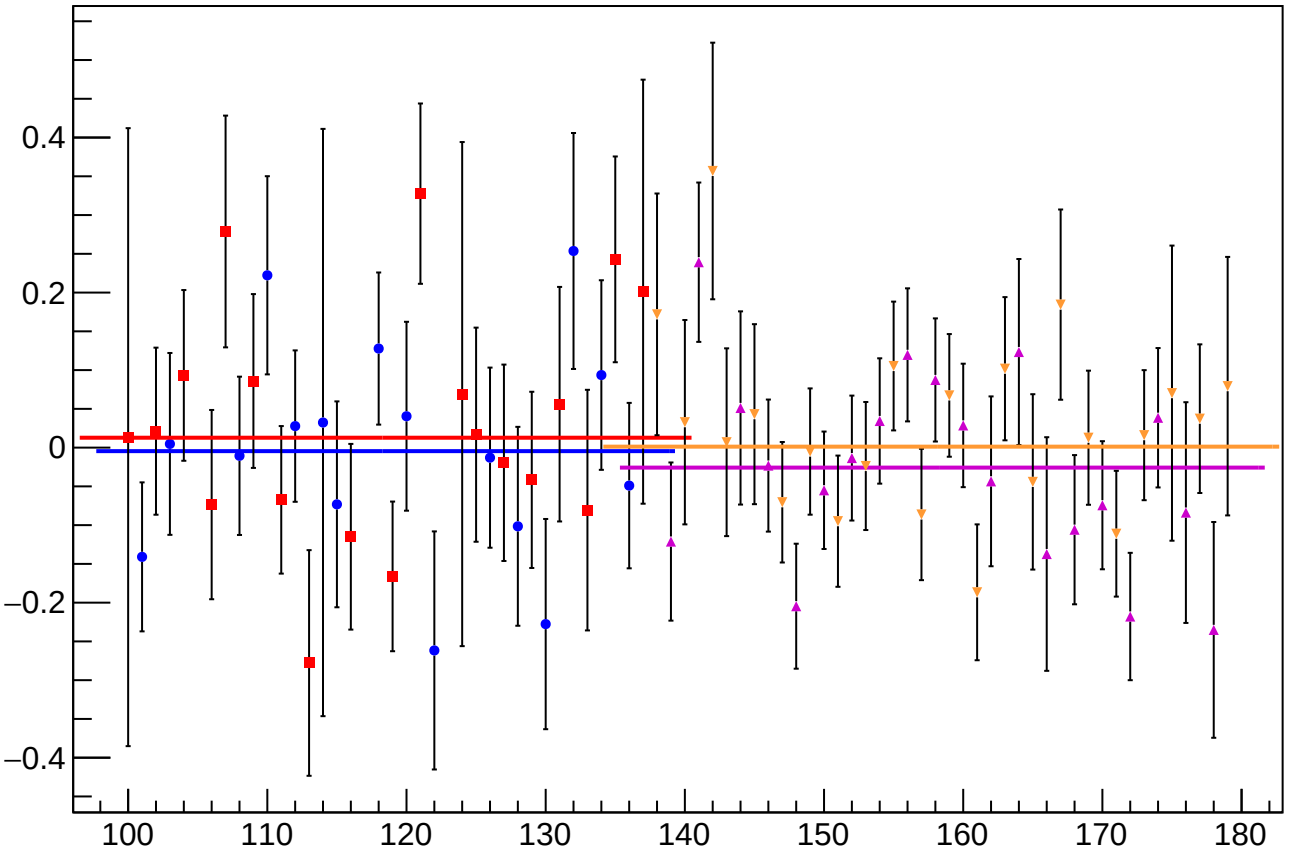
Left: 0.000+/-0.000 χ^2/NDF: 3970452.7/41

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:5462559.9/35

Out: 0.000+/-0.000 χ^2/NDF:5843000.3/40

All: 0.000+/-0.000 χ^2/NDF: 11331191.7/76



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.021 χ^2/NDF:30.5/19

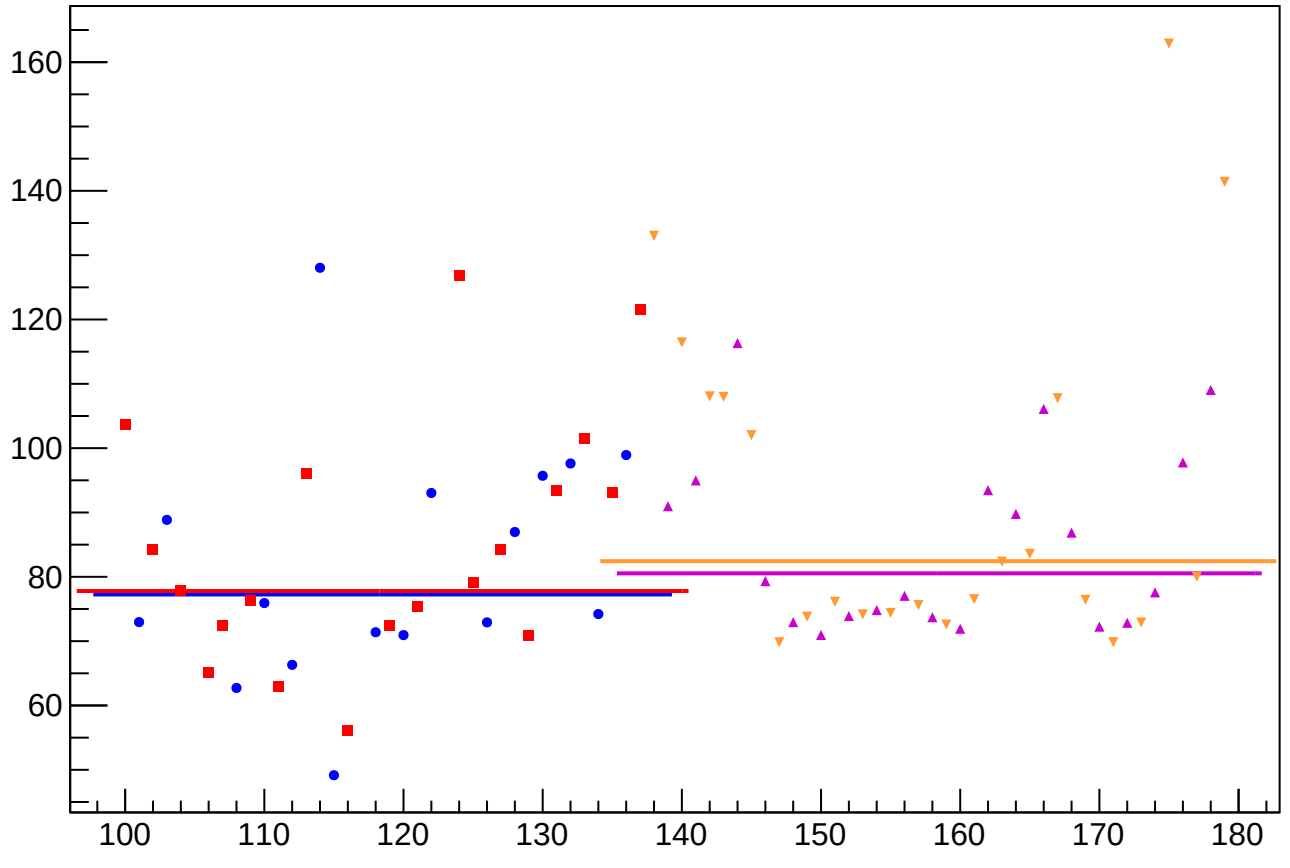
Left: -0.012+/-0.015 χ^2/NDF: 53.5/41

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.007+/-0.012 χ^2/NDF: 96.9/76



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.540+/-0.015 χ^2/NDF:599494.4/19

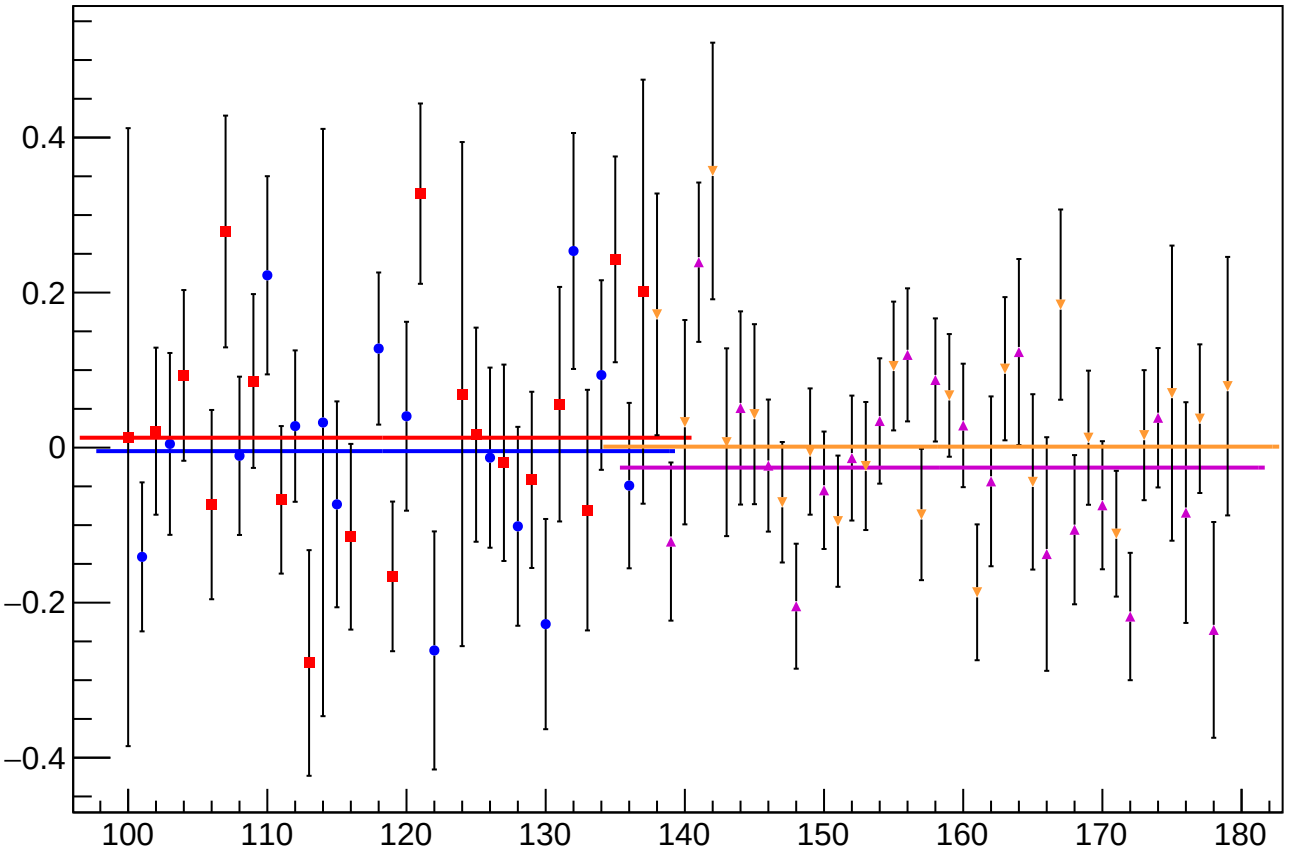
Left: 81.488+/-0.010 χ^2/NDF: 2100931.3/41

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.475+/-0.012 χ^2/NDF:1034895.0/35

Out: 80.909+/-0.012 χ^2/NDF:1922319.0/40

All: 80.196+/-0.009 χ^2/NDF: 2964266.7/76



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.021 χ^2/NDF:30.5/19

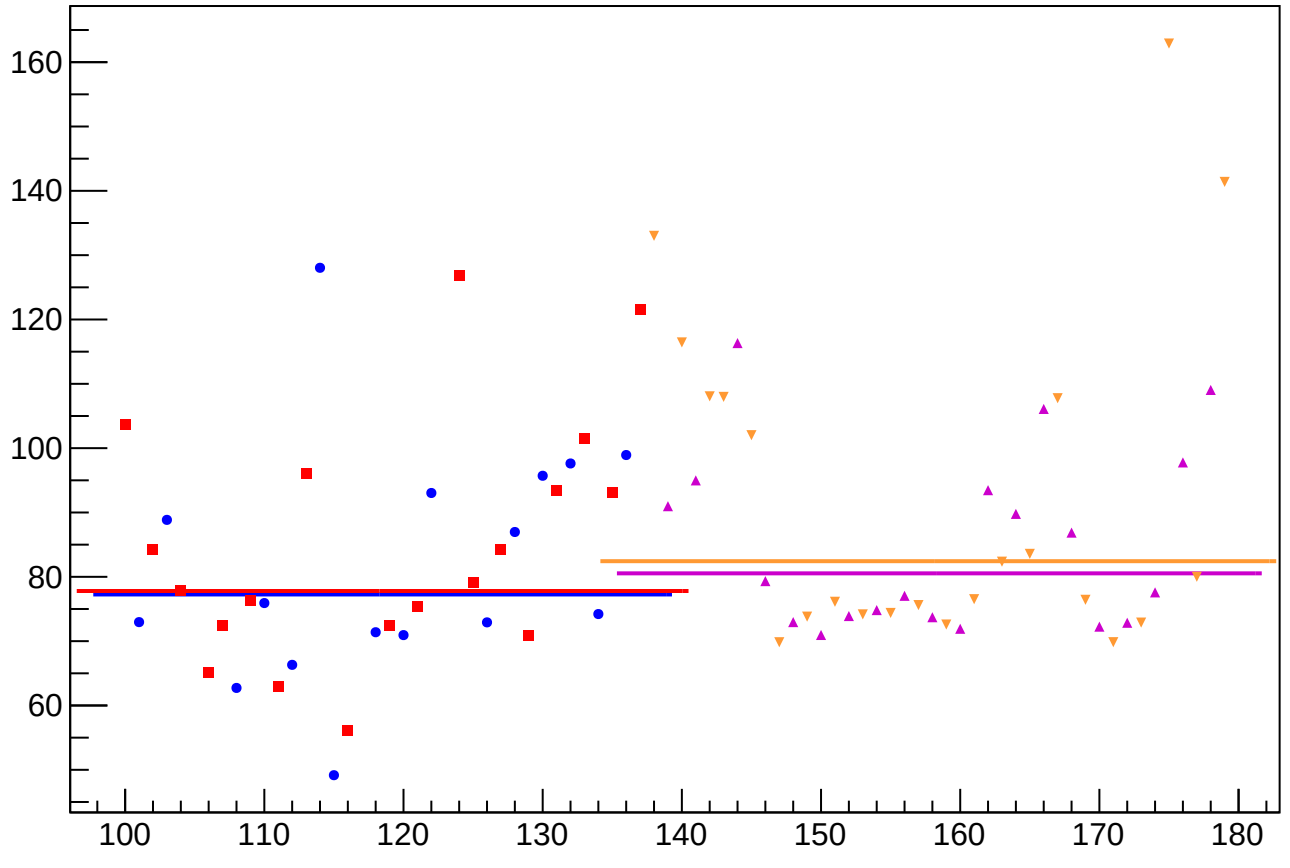
Left: -0.012+/-0.015 χ^2/NDF: 53.5/41

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.007+/-0.012 χ^2/NDF: 96.9/76



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493183.3/21

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.540+/-0.015 χ^2/NDF:599494.4/19

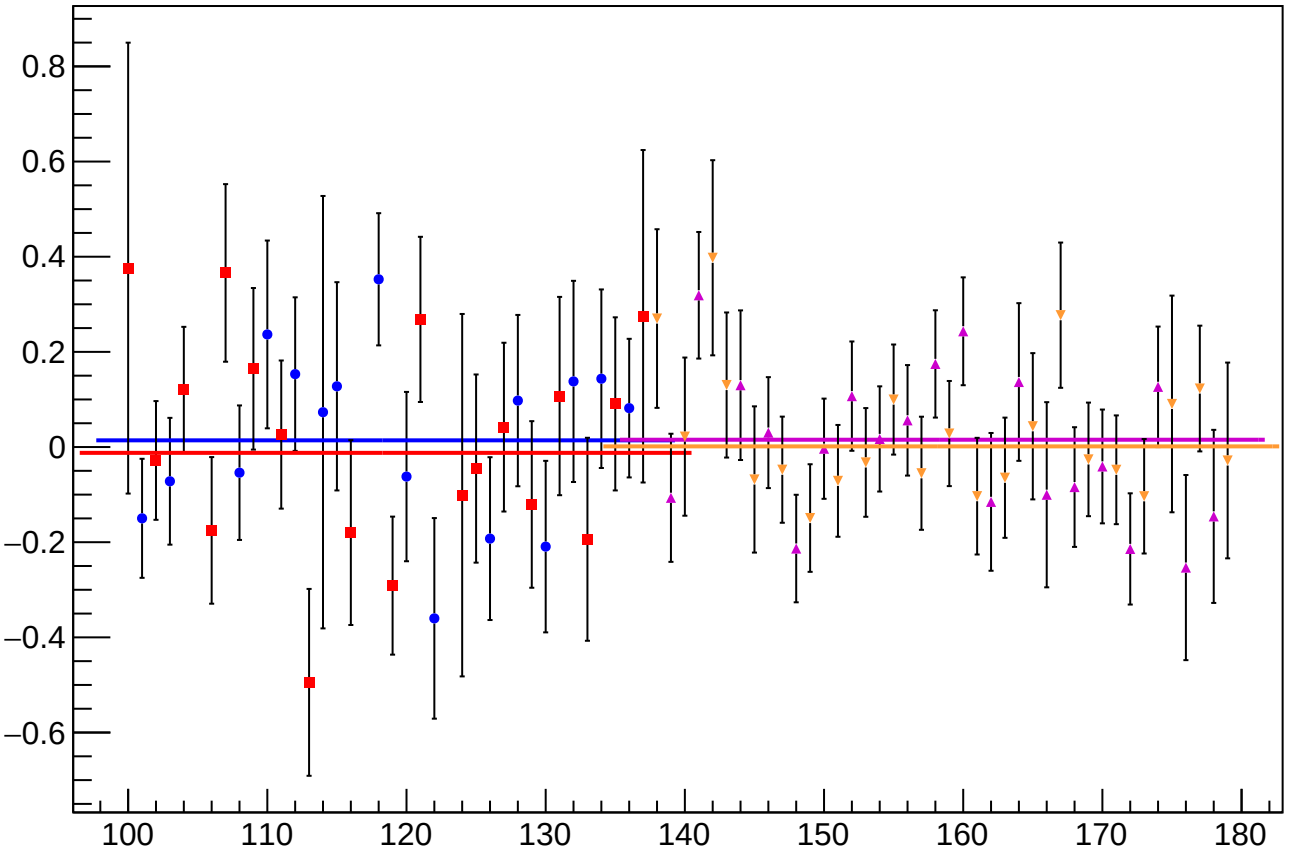
Left: 81.488+/-0.010 χ^2/NDF: 2100931.3/41

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.475+/-0.012 χ^2/NDF:1034895.0/35

Out: 80.909+/-0.012 χ^2/NDF:1922319.0/40

All: 80.196+/-0.009 χ^2/NDF: 2964266.7/76



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.001+/-0.028 χ^2/NDF:16.5/21

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.015+/-0.029 χ^2/NDF:27.4/19

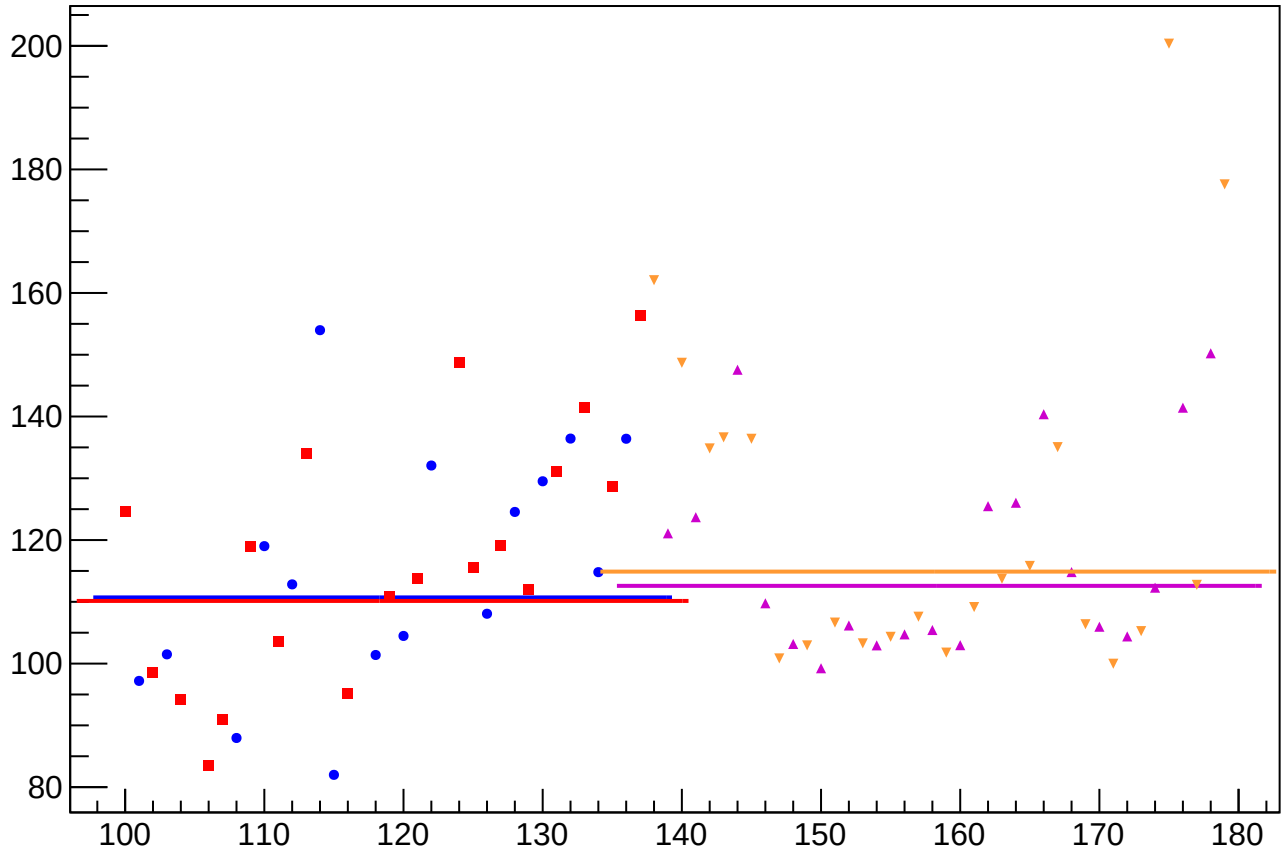
Left: 0.008+/-0.020 χ^2/NDF: 44.0/41

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.015+/-0.024 χ^2/NDF:45.6/35

Out: -0.003+/-0.023 χ^2/NDF:40.3/40

All: 0.006+/-0.017 χ^2/NDF: 86.2/76



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.893+/-0.020 χ^2/NDF:1009299.8/21

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 112.586+/-0.020 χ^2/NDF:437137.1/19

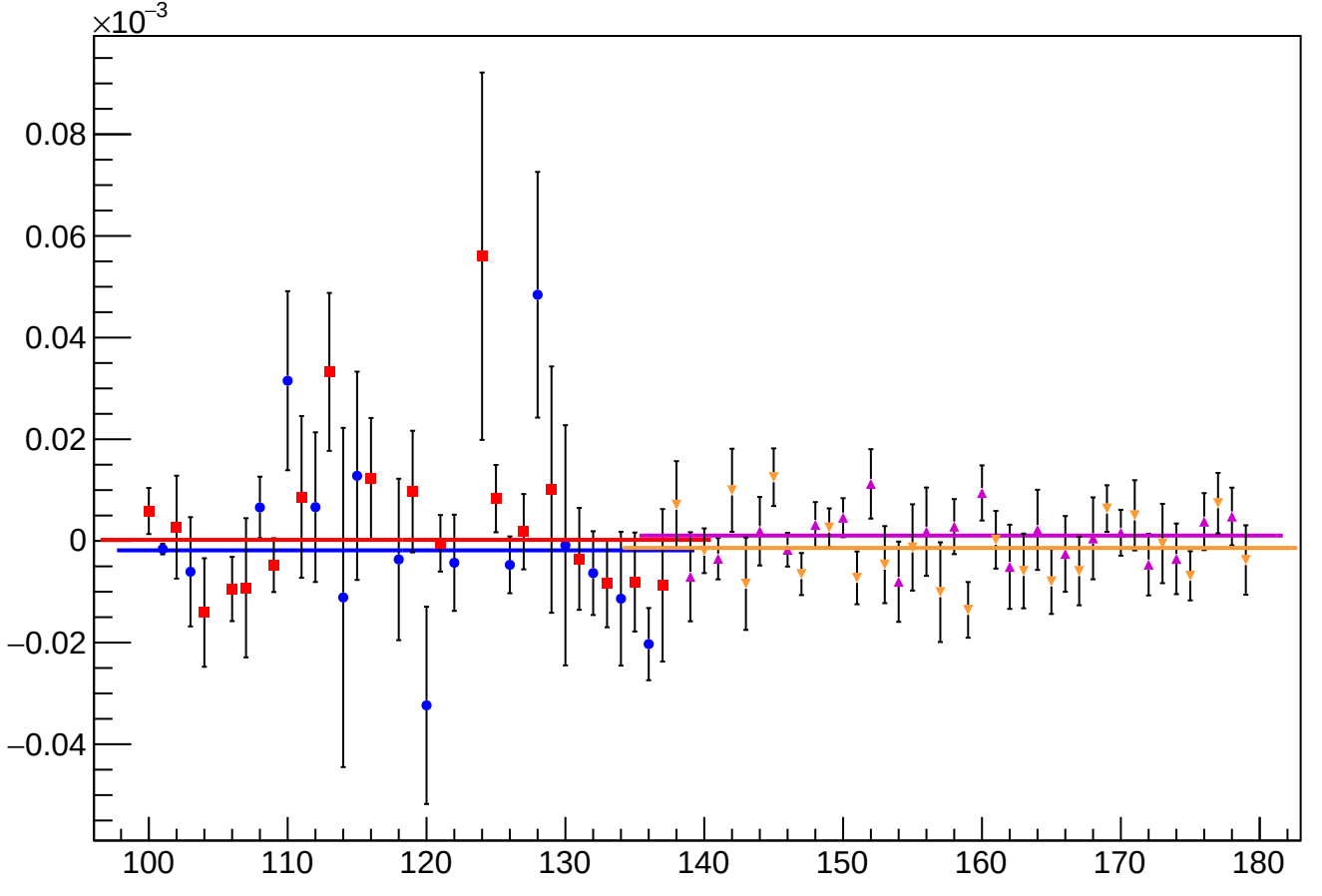
Left: 113.750+/-0.014 χ^2/NDF: 1452975.3/41

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 111.997+/-0.017 χ^2/NDF:739797.4/35

Out: 113.369+/-0.017 χ^2/NDF:1353966.5/40

All: 112.692+/-0.012 χ^2/NDF: 2097152.9/76



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/19

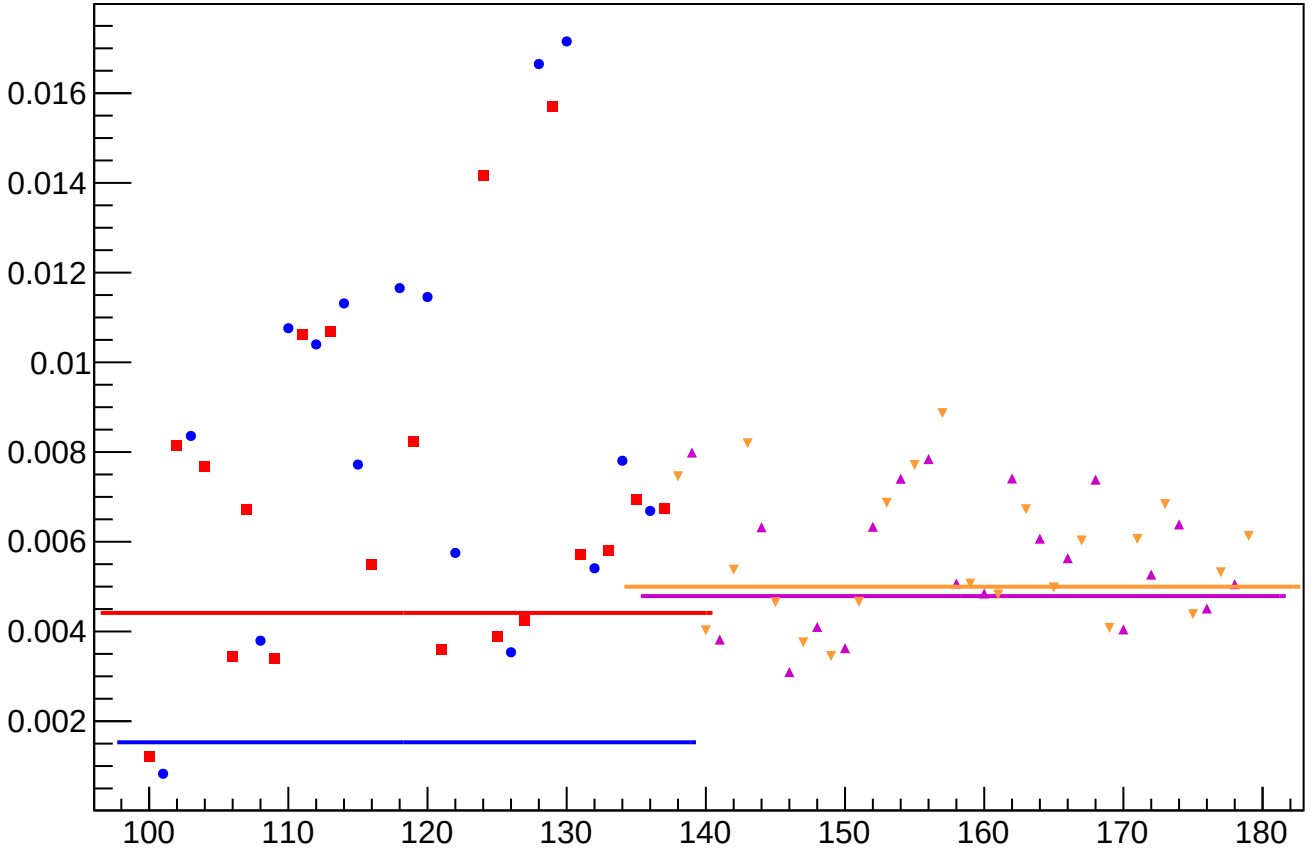
Left: -0.000+/-0.000 χ^2/NDF: 43.4/41

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:37.5/35

Out: -0.000+/-0.000 χ^2/NDF:49.1/40

All: -0.000+/-0.000 χ^2/NDF: 86.6/76



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2174619.6/21

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2480376.2/19

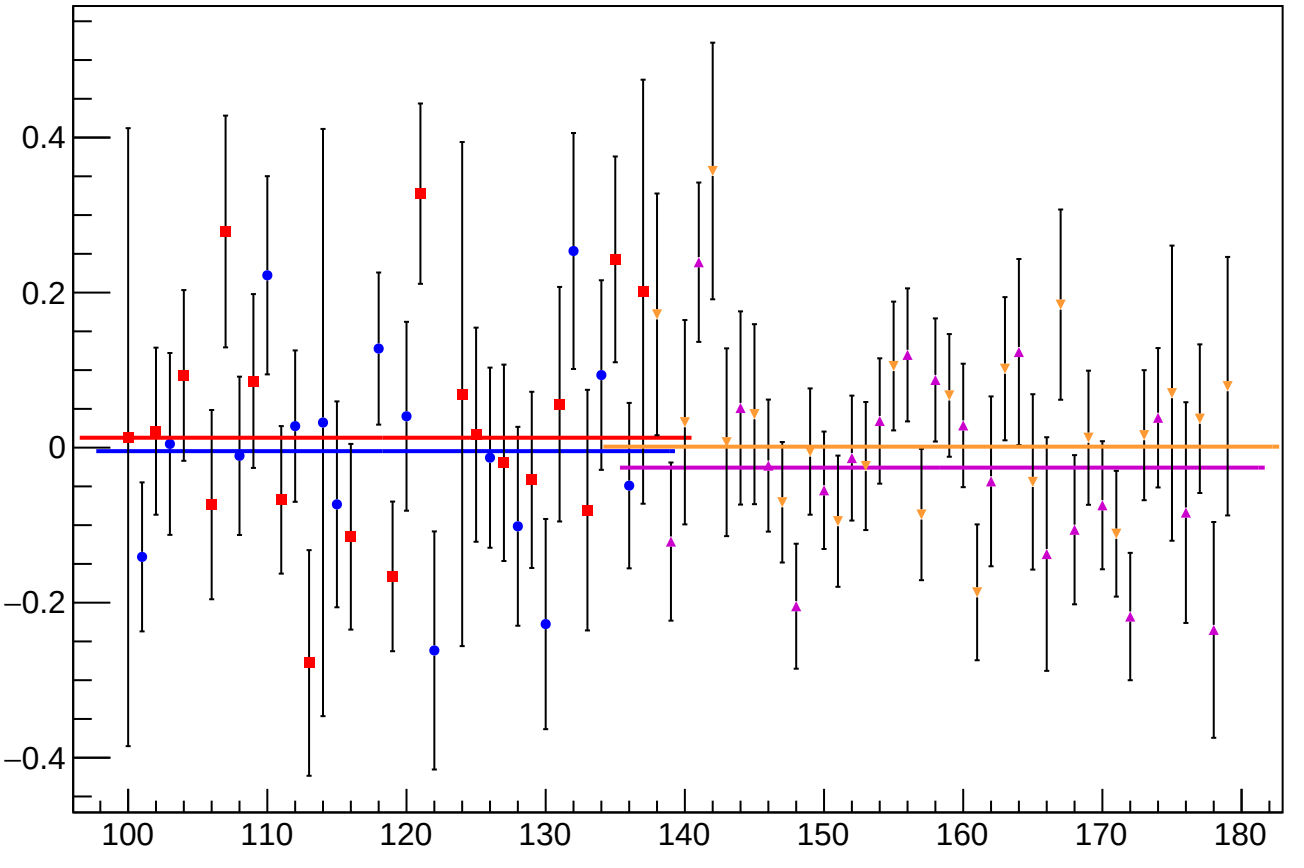
Left: 0.005+/-0.000 χ^2/NDF: 4683185.7/41

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.003+/-0.000 χ^2/NDF:20229468.1/35

Out: 0.005+/-0.000 χ^2/NDF:5692268.8/40

All: 0.003+/-0.000 χ^2/NDF: 30931958.7/76



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.021 χ^2/NDF:30.5/19

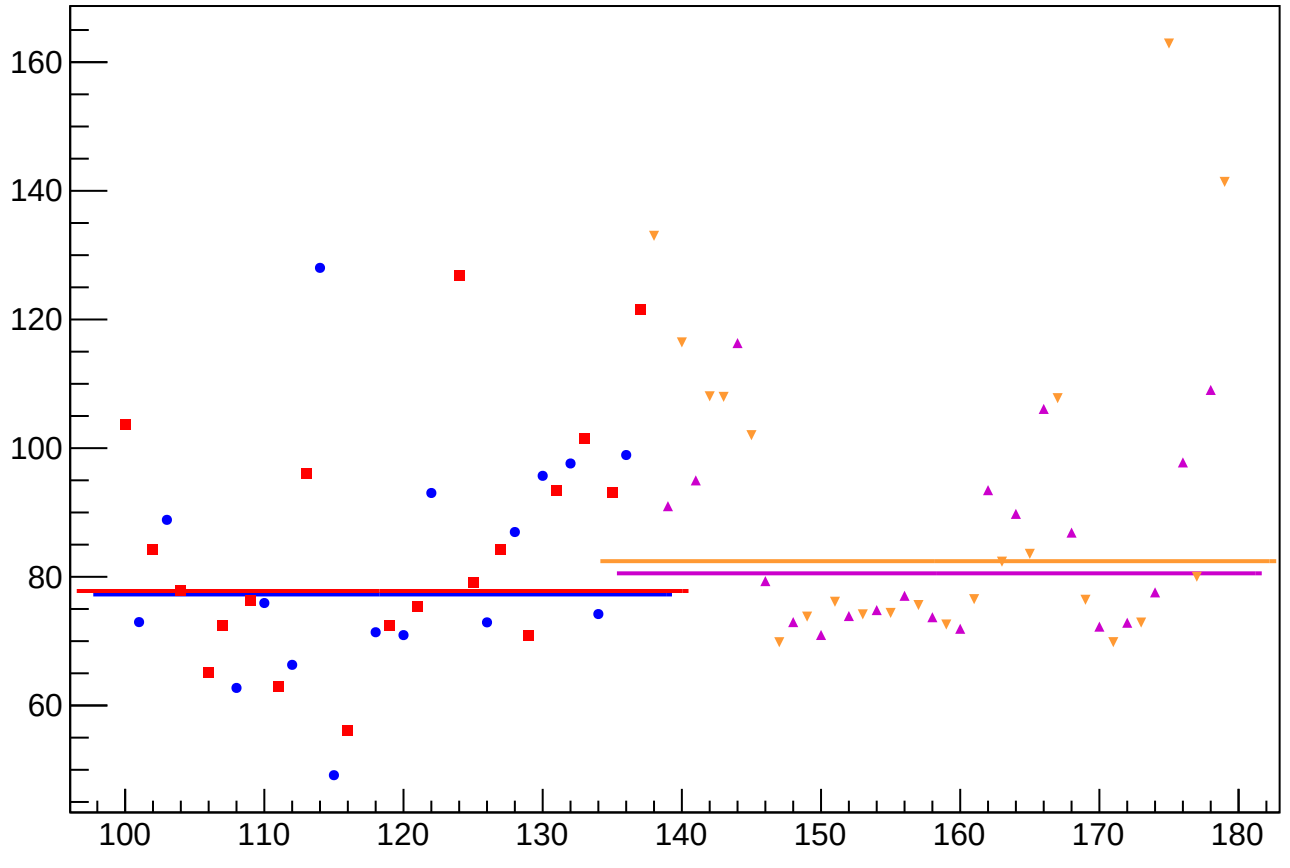
Left: -0.012+/-0.015 χ^2/NDF: 53.5/41

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.007+/-0.012 χ^2/NDF: 96.9/76



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493174.5/21

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.541+/-0.015 χ^2/NDF:599493.4/19

Left: 81.488+/-0.010 χ^2/NDF: 2100922.7/41

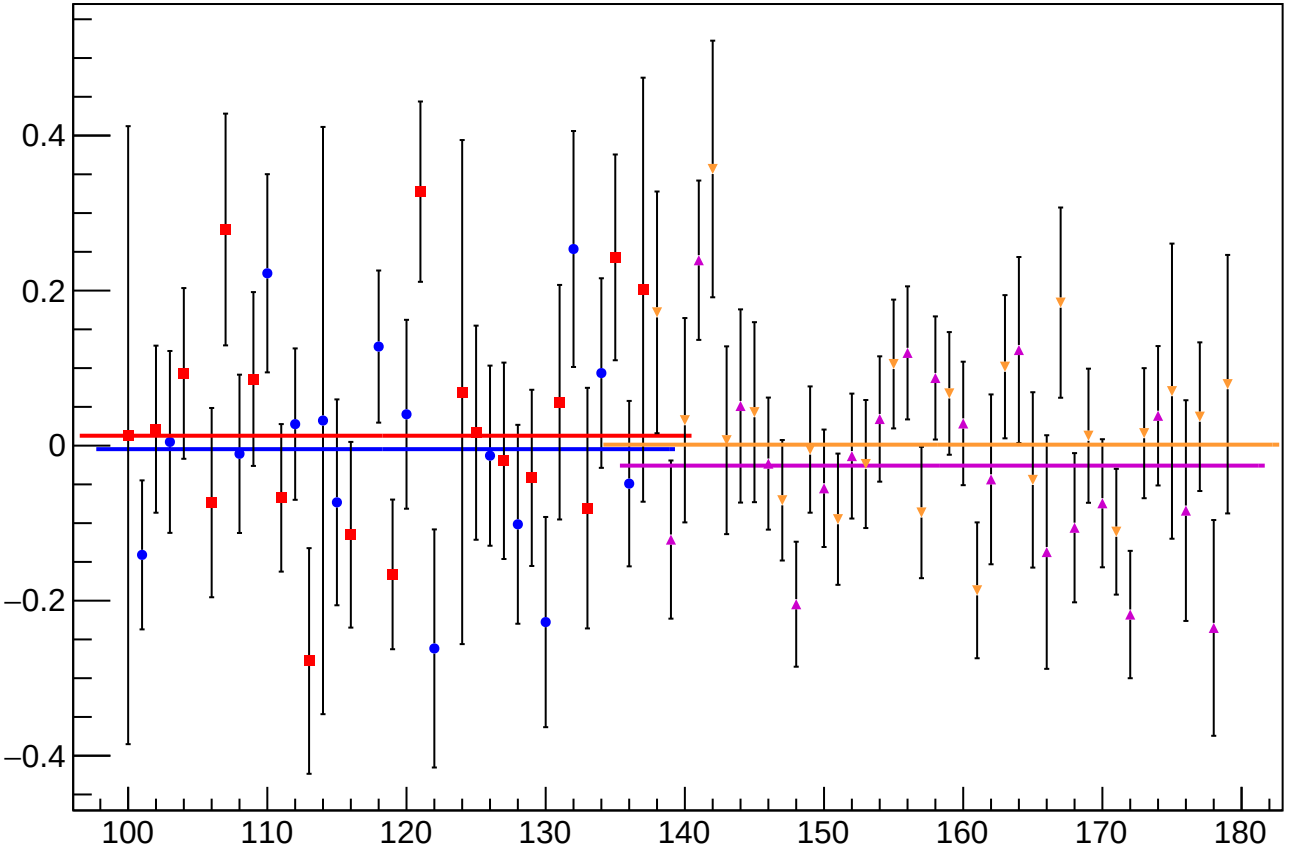
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.475+/-0.012 χ^2/NDF:1034901.0/35

Out: 80.909+/-0.012 χ^2/NDF:1922339.0/40

All: 80.196+/-0.009 χ^2/NDF: 2964293.5/76

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.001+/-0.021 χ^2/NDF:22.2/21

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.021 χ^2/NDF:30.5/19

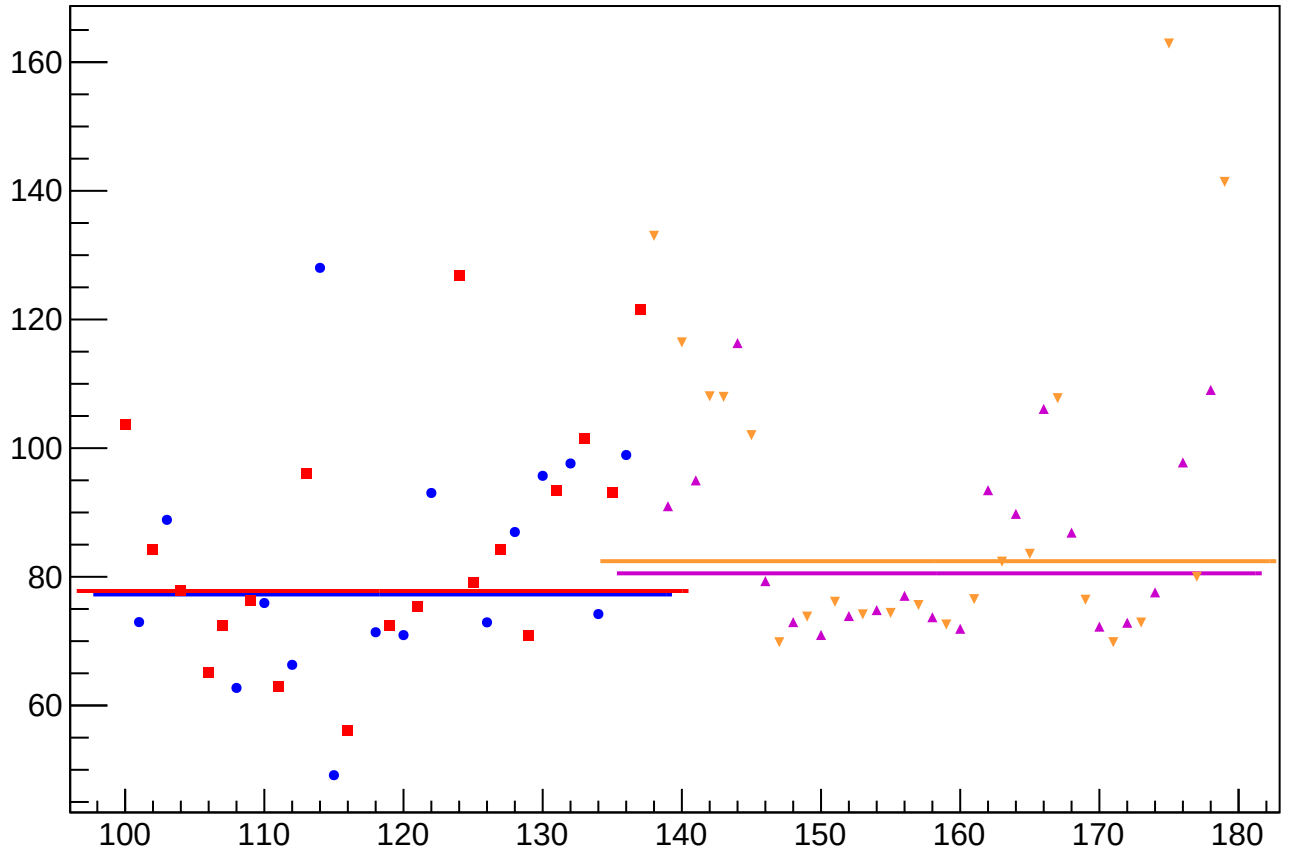
Left: -0.012+/-0.015 χ^2/NDF: 53.5/41

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.005+/-0.017 χ^2/NDF:47.8/40

All: -0.007+/-0.012 χ^2/NDF: 96.9/76



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.431+/-0.015 χ^2/NDF:1493174.5/21

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.541+/-0.015 χ^2/NDF:599493.4/19

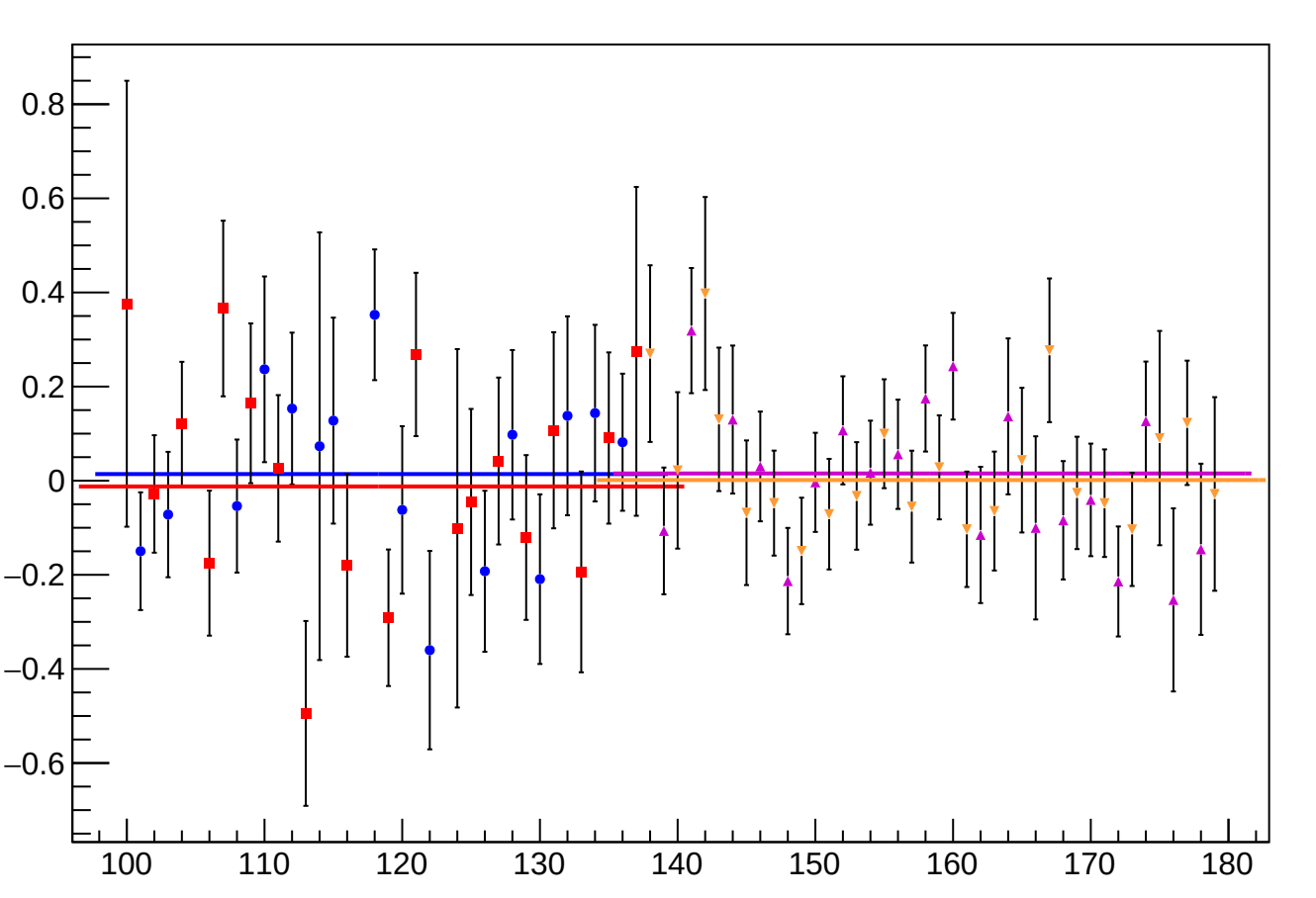
Left: 81.488+/-0.010 χ^2/NDF: 2100922.7/41

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

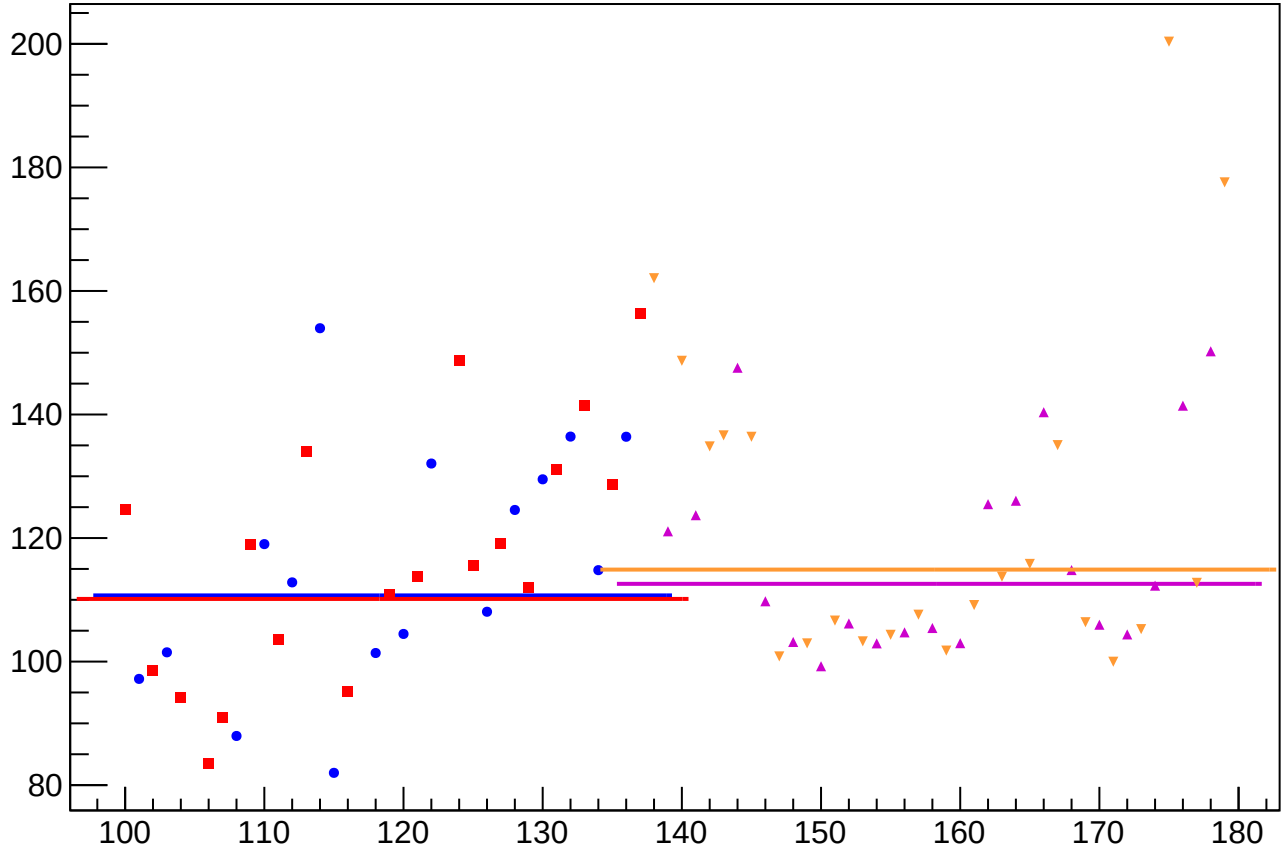
In: 79.475+/-0.012 χ^2/NDF:1034901.0/35

Out: 80.909+/-0.012 χ^2/NDF:1922339.0/40

All: 80.196+/-0.009 χ^2/NDF: 2964293.5/76


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.028 χ²/NDF:16.5/21
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.015+/-0.029 χ²/NDF:27.4/19
Left: 0.008+/-0.020 χ²/NDF: 44.0/41
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.015+/-0.024 χ²/NDF:45.6/35
Out: -0.003+/-0.023 χ²/NDF:40.3/40
All: 0.006+/-0.017 χ²/NDF: 86.2/76

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.894+/-0.020 χ^2/NDF:1009294.4/21

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 112.587+/-0.020 χ^2/NDF:437138.4/19

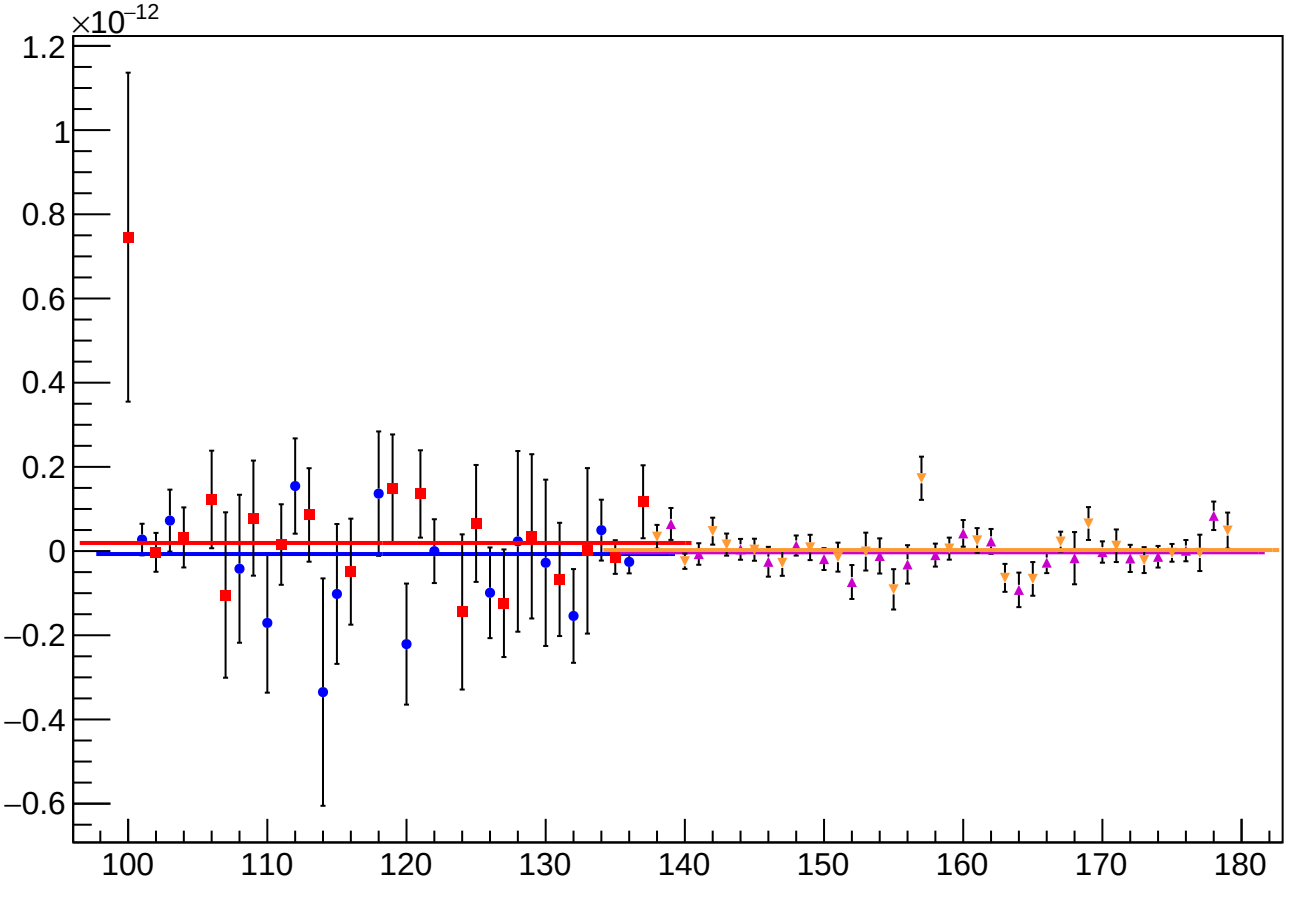
Left: 113.750+/-0.014 χ^2/NDF: 1452971.7/41

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.997+/-0.017 χ^2/NDF:739777.7/35

Out: 113.369+/-0.017 χ^2/NDF:1353940.9/40

All: 112.692+/-0.012 χ^2/NDF: 2097108.1/76



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:23.6/19

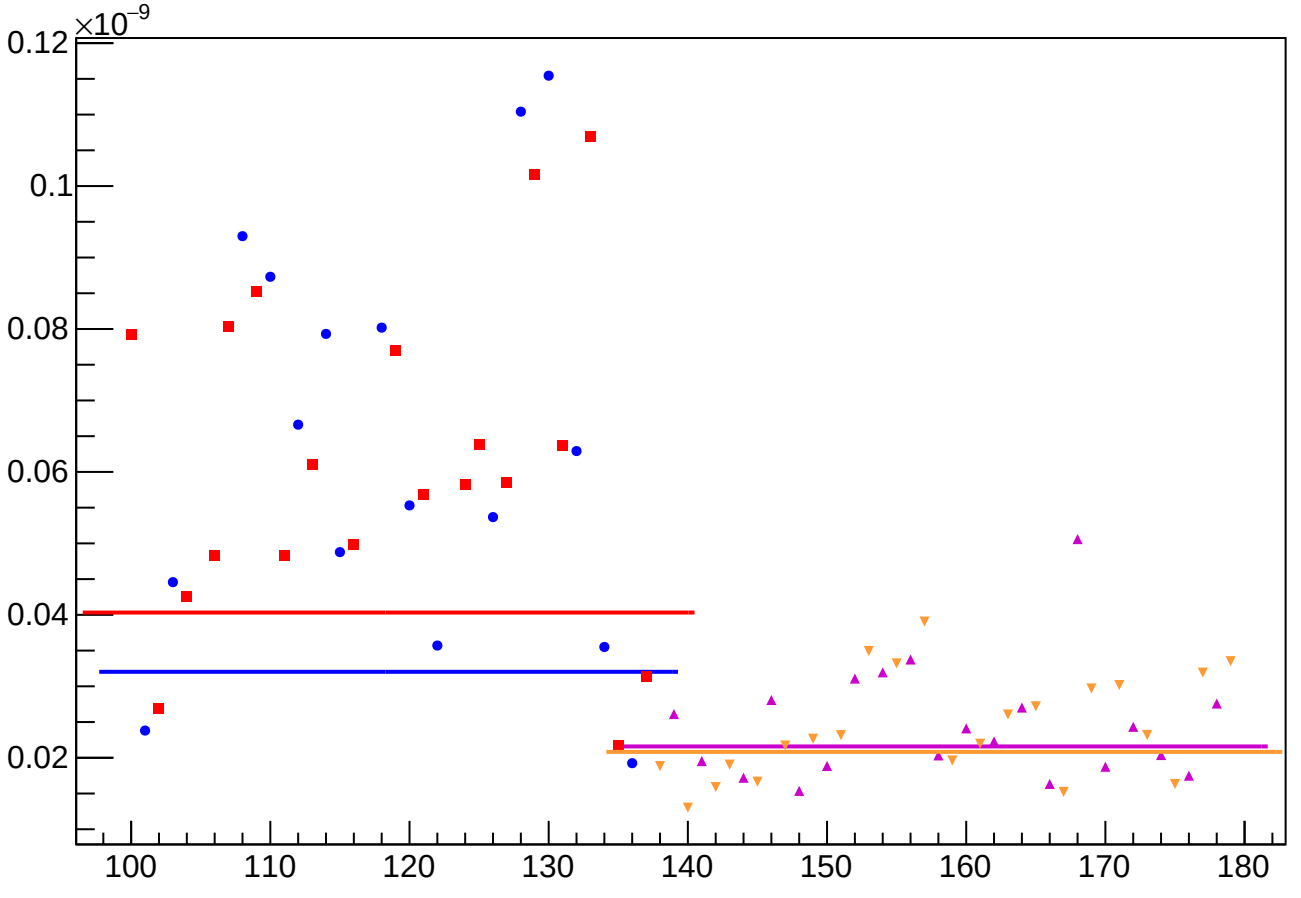
Left: -0.000+/-0.000 χ^2/NDF: 58.4/41

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:37.2/35

Out: 0.000+/-0.000 χ^2/NDF:47.7/40

All: 0.000+/-0.000 χ^2/NDF: 85.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1940645.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1444277.0/19

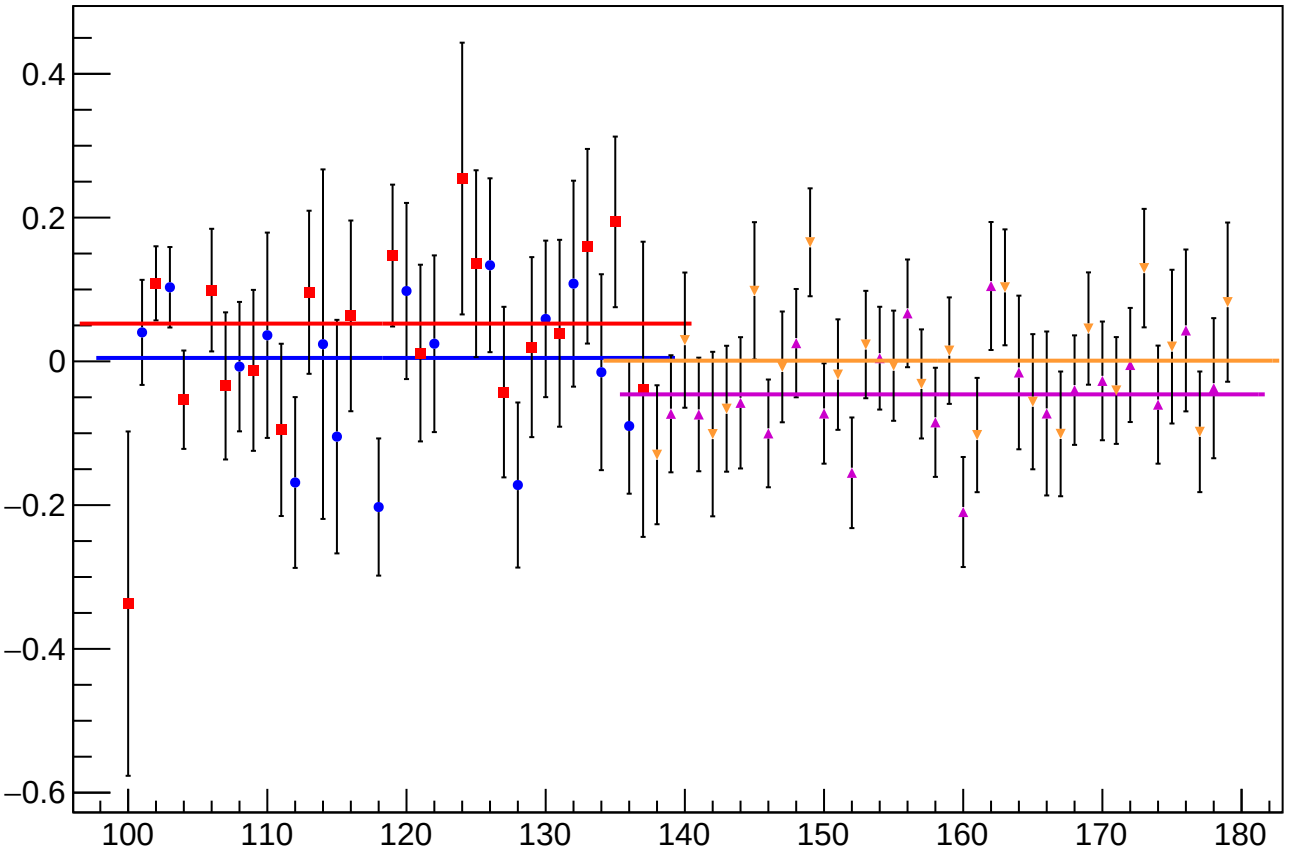
Left: 0.000+/-0.000 χ^2/NDF: 3398217.7/41

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4498602.6/35

Out: 0.000+/-0.000 χ^2/NDF:5366461.2/40

All: 0.000+/-0.000 χ^2/NDF: 9869209.9/76



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.046+/-0.018 χ^2/NDF:15.4/19

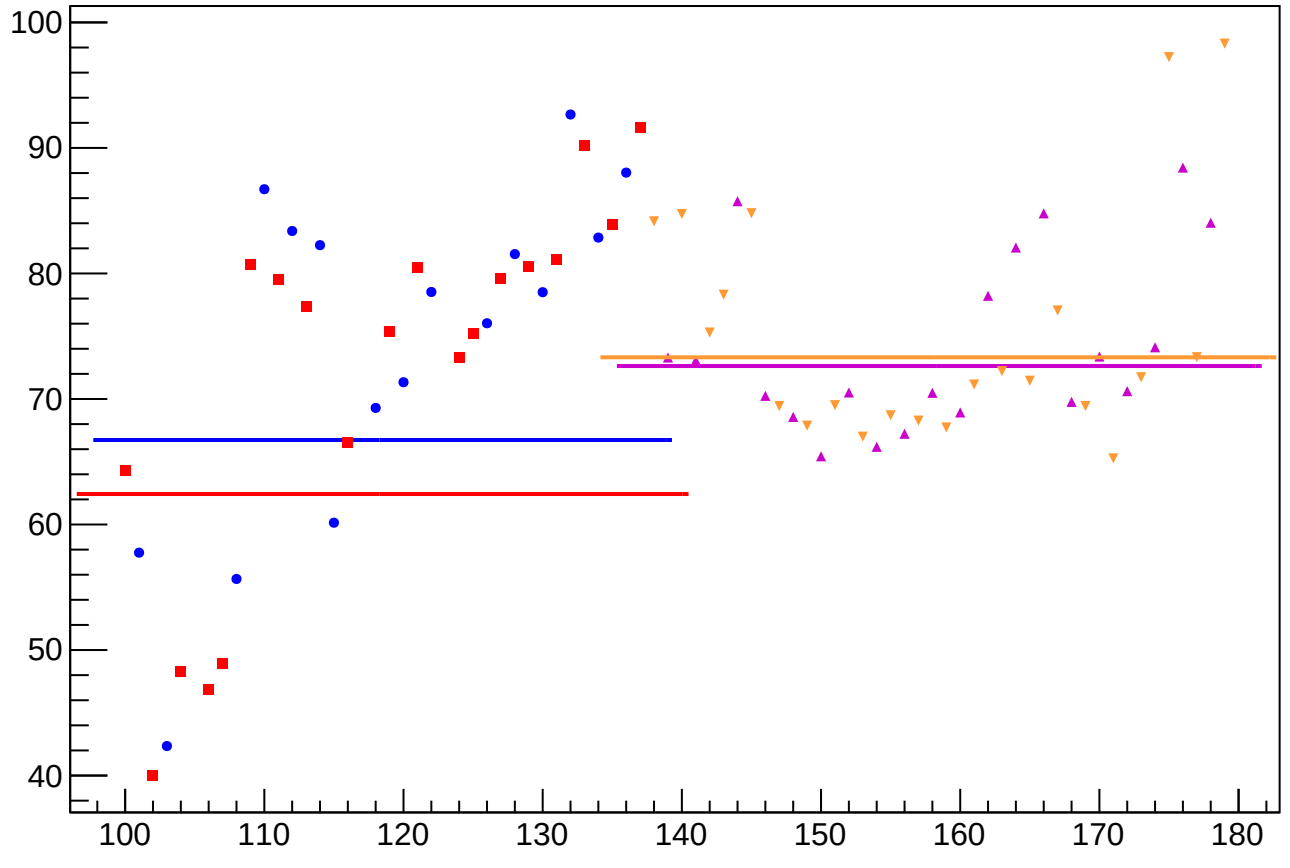
Left: -0.022+/-0.013 χ^2/NDF: 38.4/41

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/35

Out: 0.019+/-0.014 χ^2/NDF:37.4/40

All: -0.004+/-0.010 χ^2/NDF: 77.4/76



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.321+/-0.013 χ^2/NDF:390197.7/21

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.626+/-0.013 χ^2/NDF:222918.2/19

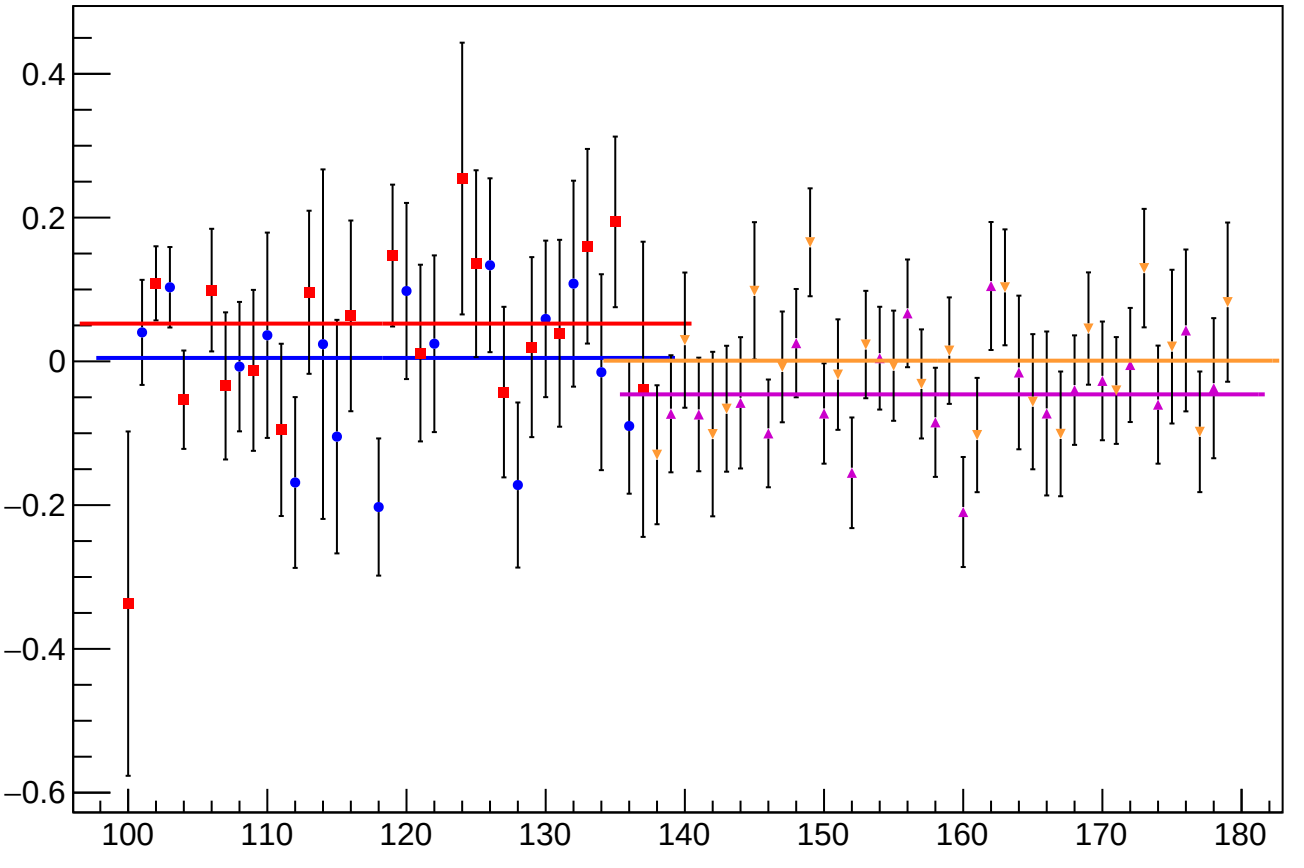
Left: 72.981+/-0.009 χ^2/NDF: 614585.5/41

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.659+/-0.011 χ^2/NDF:1108685.4/35

Out: 69.443+/-0.010 χ^2/NDF:1767603.0/40

All: 70.027+/-0.007 χ^2/NDF: 2883161.8/76



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.001+/-0.018 χ^2/NDF:19.6/21

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.046+/-0.018 χ^2/NDF:15.4/19

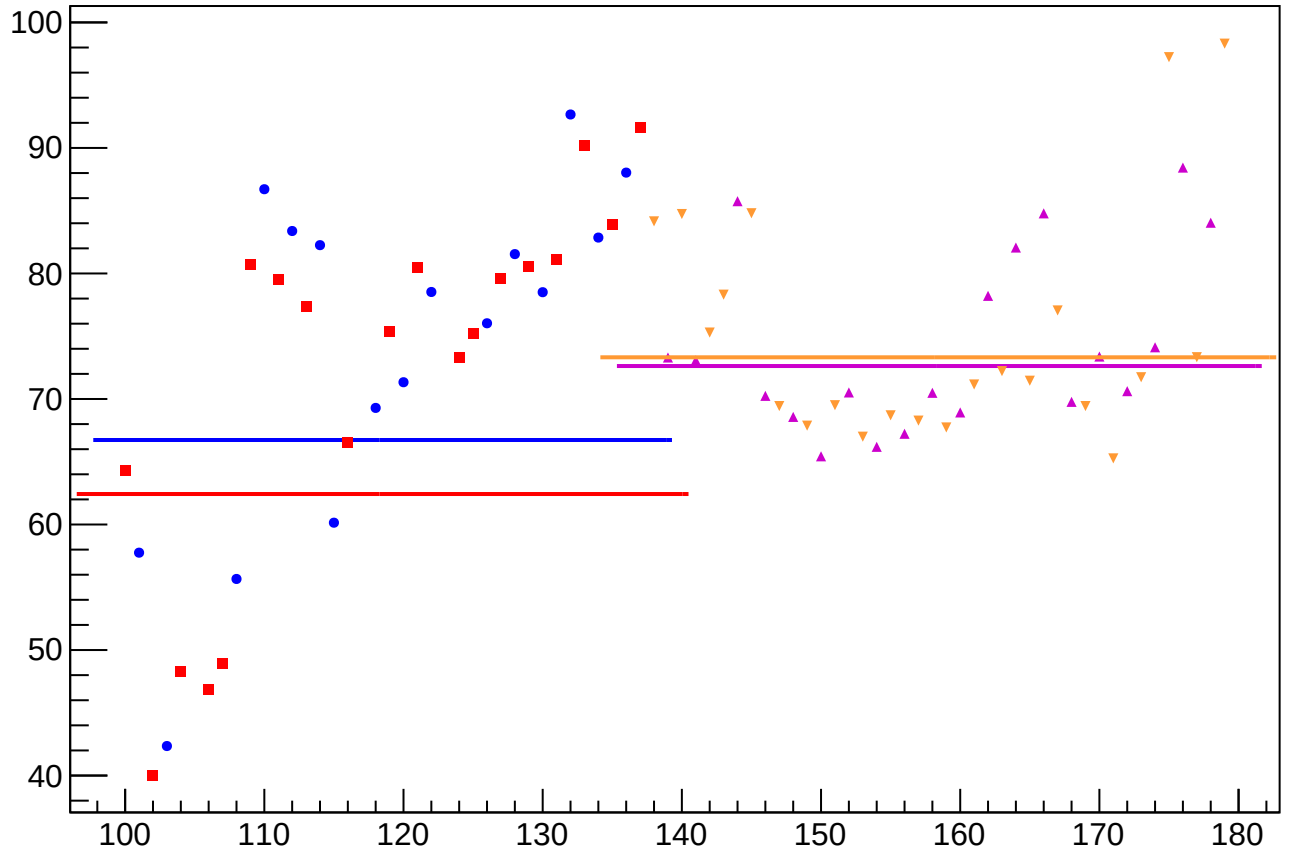
Left: -0.022+/-0.013 χ^2/NDF: 38.4/41

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/35

Out: 0.019+/-0.014 χ^2/NDF:37.4/40

All: -0.004+/-0.010 χ^2/NDF: 77.4/76



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.321+/-0.013 χ^2/NDF:390197.7/21

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.626+/-0.013 χ^2/NDF:222918.2/19

Left: 72.981+/-0.009 χ^2/NDF: 614585.5/41

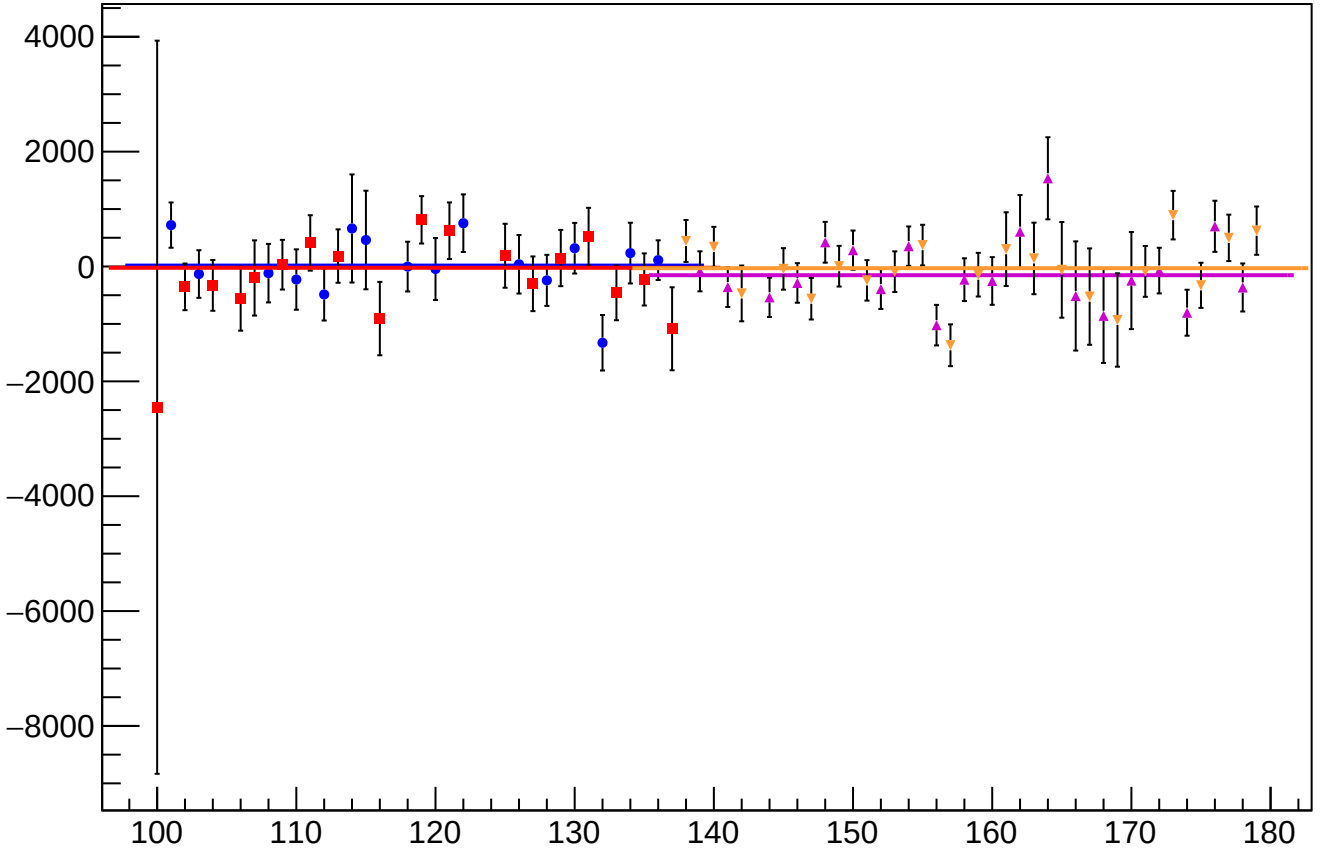
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.659+/-0.011 χ^2/NDF:1108685.4/35

Out: 69.443+/-0.010 χ^2/NDF:1767603.0/40

All: 70.027+/-0.007 χ^2/NDF: 2883161.8/76

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -29.566+/-91.254 χ^2/NDF:32.6/20

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -151.830+/-91.438 χ^2/NDF:29.4/19

Left: -90.575+/-64.591 χ^2/NDF: 62.9/40

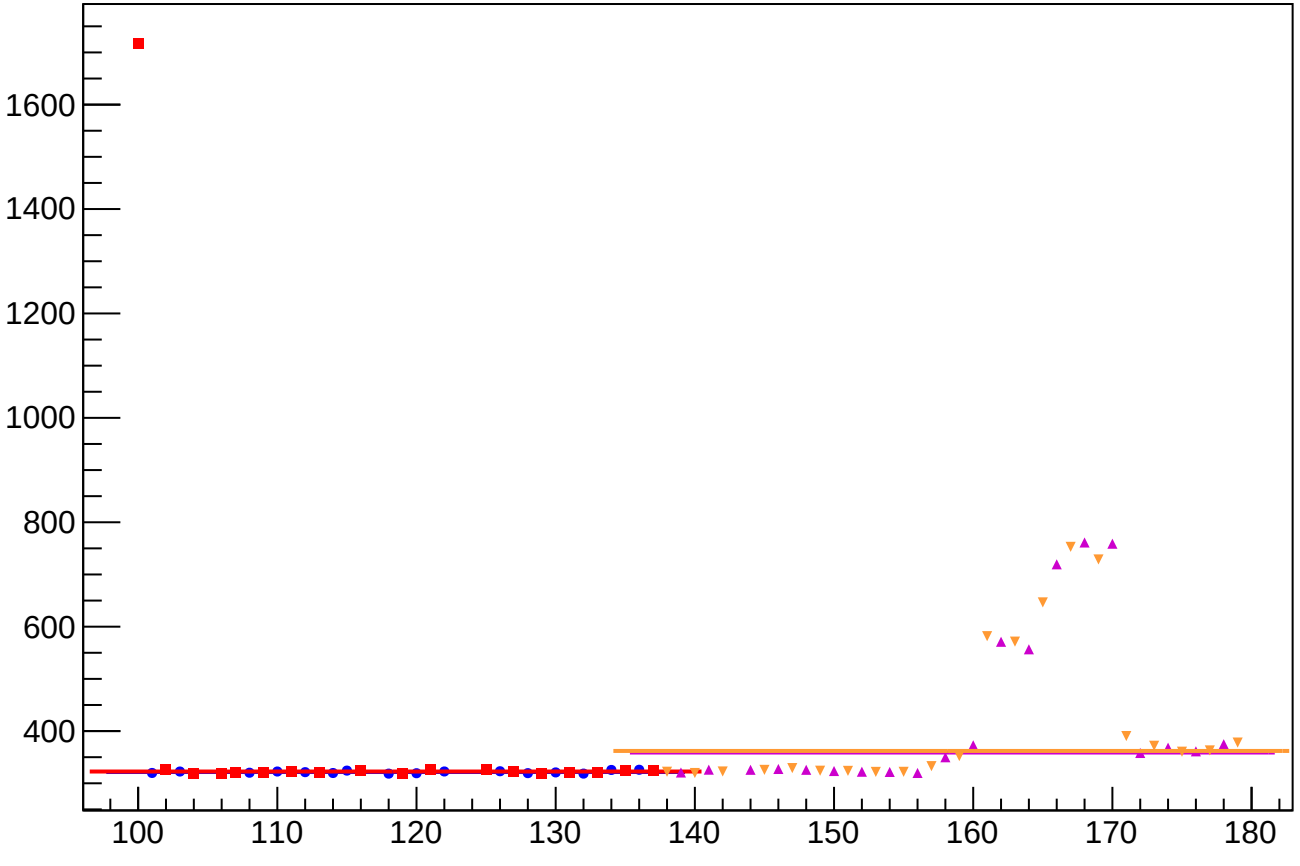
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -89.987+/-72.603 χ^2/NDF:47.2/35

Out: -26.824+/-72.461 χ^2/NDF:48.6/38

All: -58.344+/-51.288 χ^2/NDF: 96.1/74

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.969+/-0.065 χ^2/NDF:1762008.4/20

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 358.935+/-0.065 χ^2/NDF:1785007.3/19

Left: 360.455+/-0.046 χ^2/NDF: 3548119.2/40

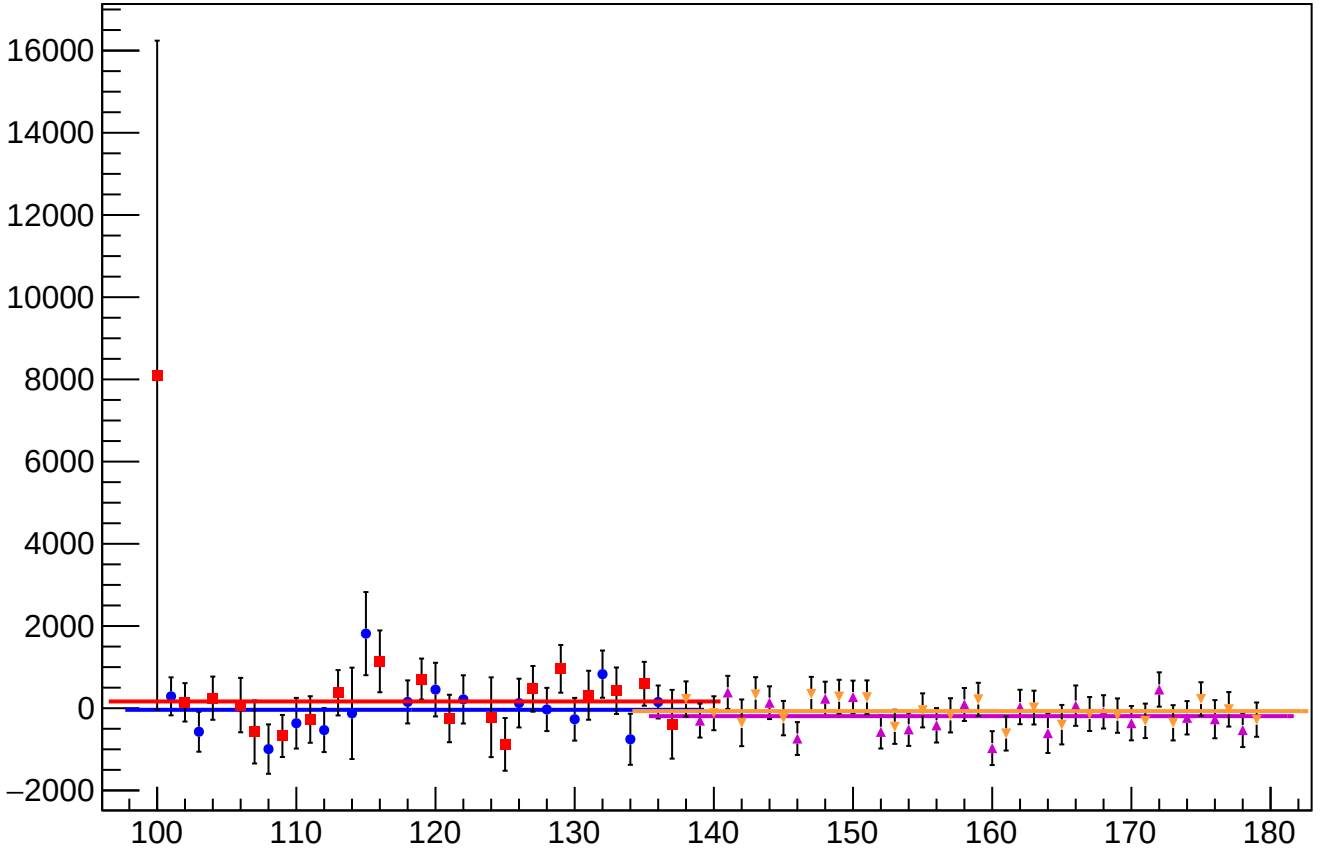
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 345.139+/-0.051 χ^2/NDF:1909021.8/35

Out: 347.406+/-0.051 χ^2/NDF:1996765.5/38

All: 346.275+/-0.036 χ^2/NDF: 3906764.2/74

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -70.031+/-90.147 χ^2/NDF:9.5/21

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -192.817+/-93.270 χ^2/NDF:17.6/19

Left: -129.335+/-64.820 χ^2/NDF: 27.9/41

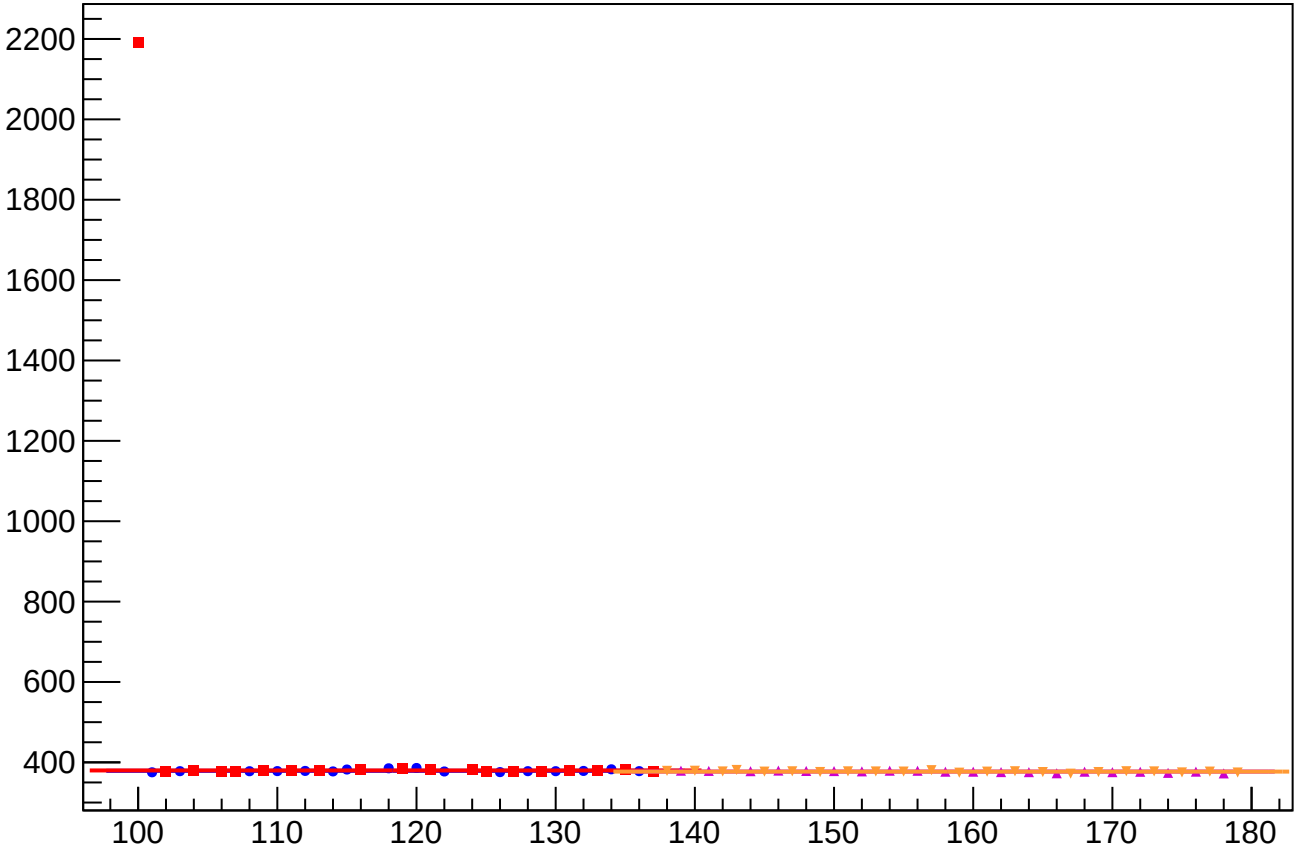
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -145.842+/-77.743 χ^2/NDF:32.1/35

Out: -0.525+/-75.628 χ^2/NDF:26.6/40

All: -71.179+/-54.209 χ^2/NDF: 60.5/76

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 376.993+/-0.064 χ^2/NDF:1001.7/21

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.069+/-0.066 χ^2/NDF:916.1/19

Left: 377.030+/-0.046 χ^2/NDF: 1918.6/41

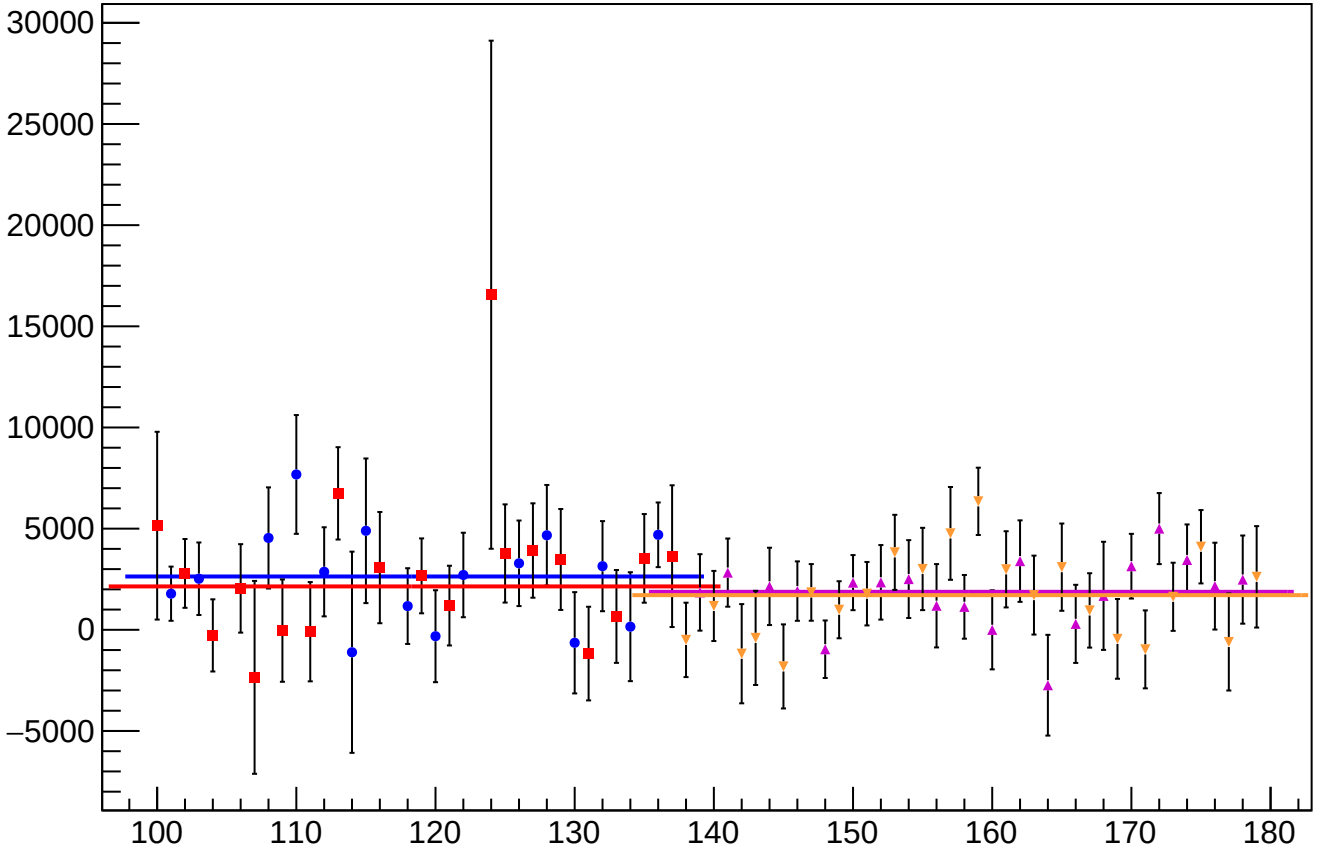
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.631+/-0.055 χ^2/NDF:2005.1/35

Out: 377.847+/-0.053 χ^2/NDF:101229.9/40

All: 377.742+/-0.038 χ^2/NDF: 103243.0/76

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1712.307+/-398.805 χ^2/NDF:25.1/21

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1877.120+/-403.104 χ^2/NDF:15.2/19

Left: 1793.830+/-283.505 χ^2/NDF: 40.5/41

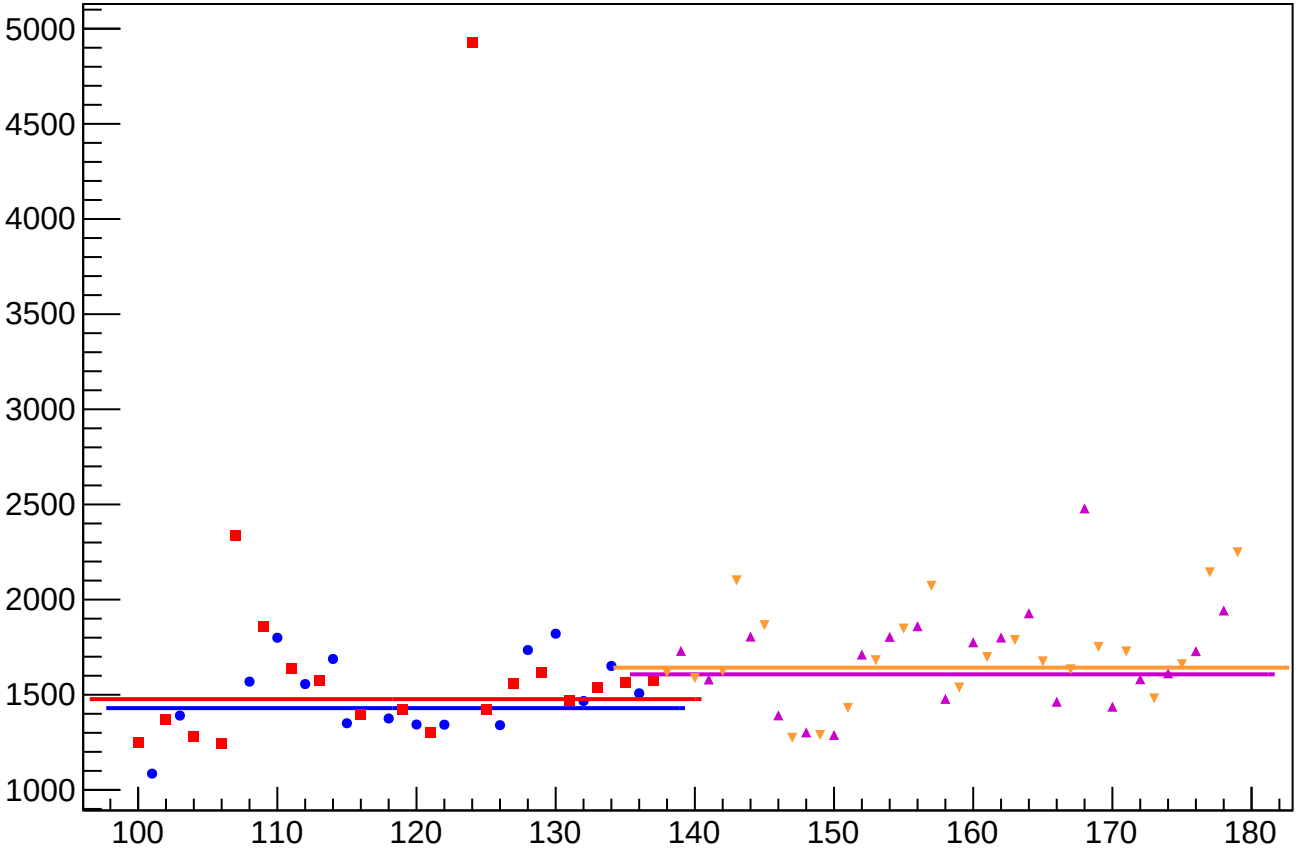
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2149.735+/-322.605 χ^2/NDF:28.8/35

Out: 1862.344+/-322.244 χ^2/NDF:40.6/40

All: 2005.879+/-227.988 χ^2/NDF: 69.8/76

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1642.545+/-0.282 χ^2/NDF:750180.6/21

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1607.394+/-0.285 χ^2/NDF:713829.1/19

Left: 1625.158+/-0.200 χ^2/NDF: 1471695.5/41

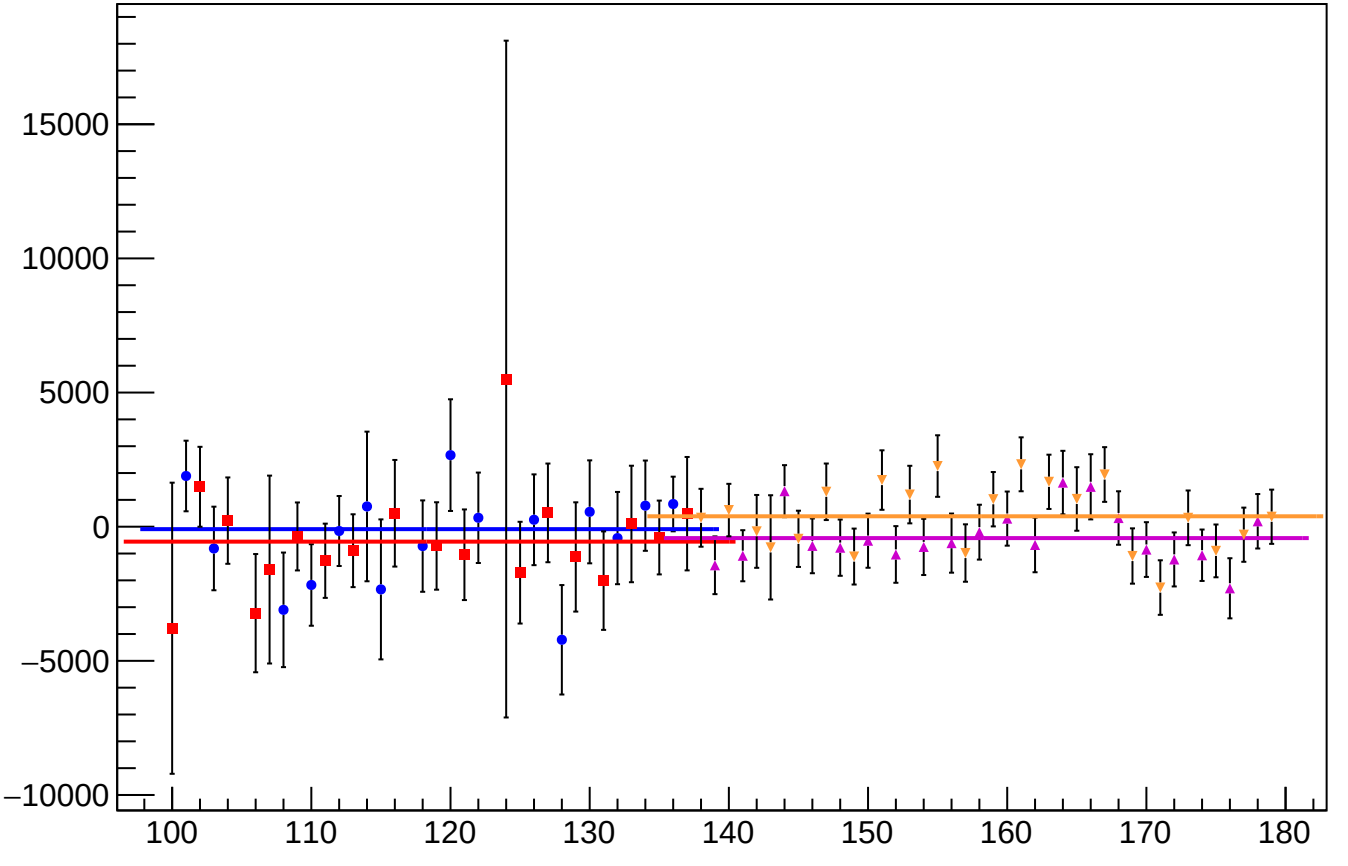
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1543.493+/-0.228 χ^2/NDF:1147010.9/35

Out: 1585.128+/-0.228 χ^2/NDF:1239047.0/40

All: 1564.334+/-0.161 χ^2/NDF: 2402733.3/76

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 388.010+/-227.968 χ^2/NDF:29.8/21

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -424.958+/-231.742 χ^2/NDF:16.4/19

Left: -11.799+/-162.516 χ^2/NDF: 52.5/41

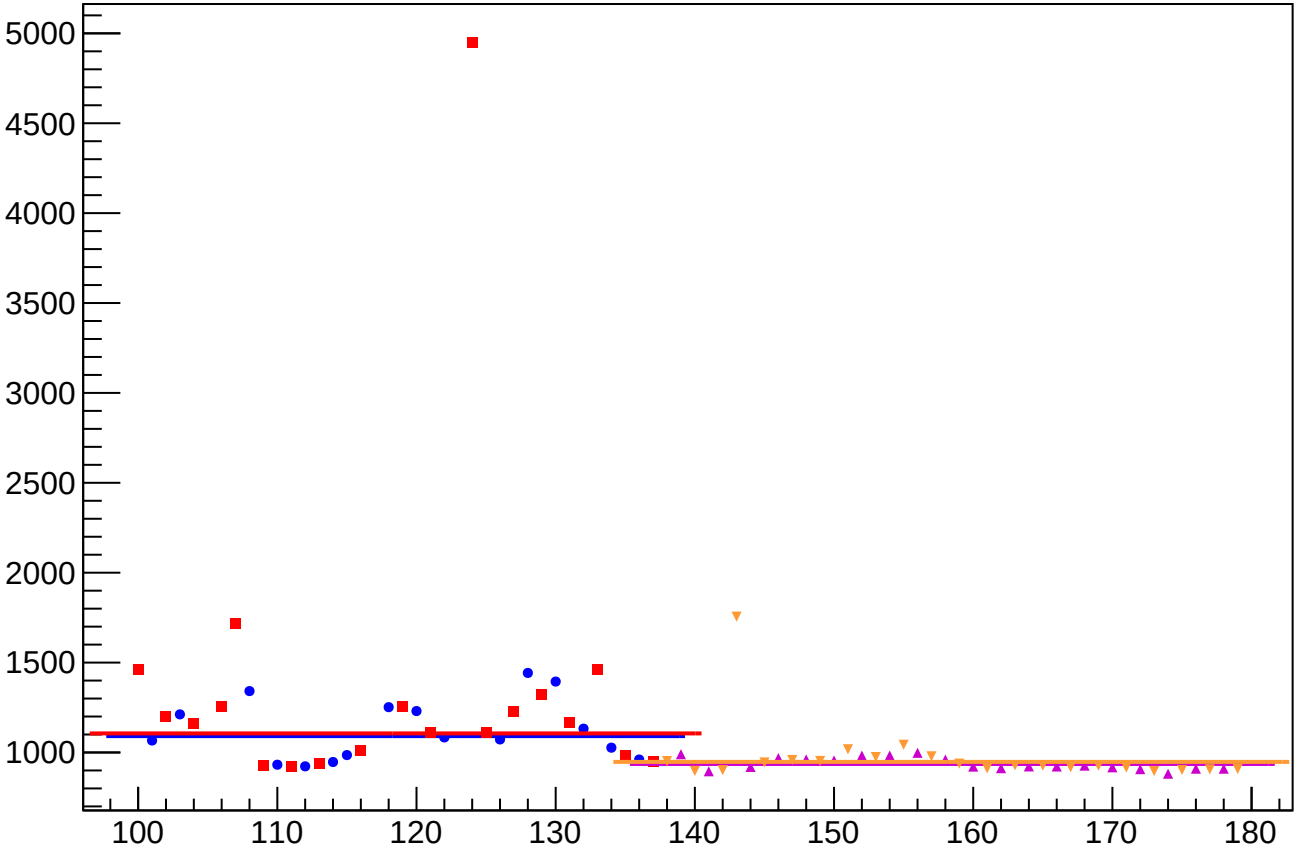
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -344.159+/-201.740 χ^2/NDF:31.5/35

Out: 165.999+/-199.394 χ^2/NDF:40.6/40

All: -86.096+/-141.815 χ^2/NDF: 75.3/76

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 947.655+/-0.161 χ^2/NDF:402339.9/21

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 936.161+/-0.164 χ^2/NDF:41935.2/19

Left: 942.002+/-0.115 χ^2/NDF: 446775.6/41

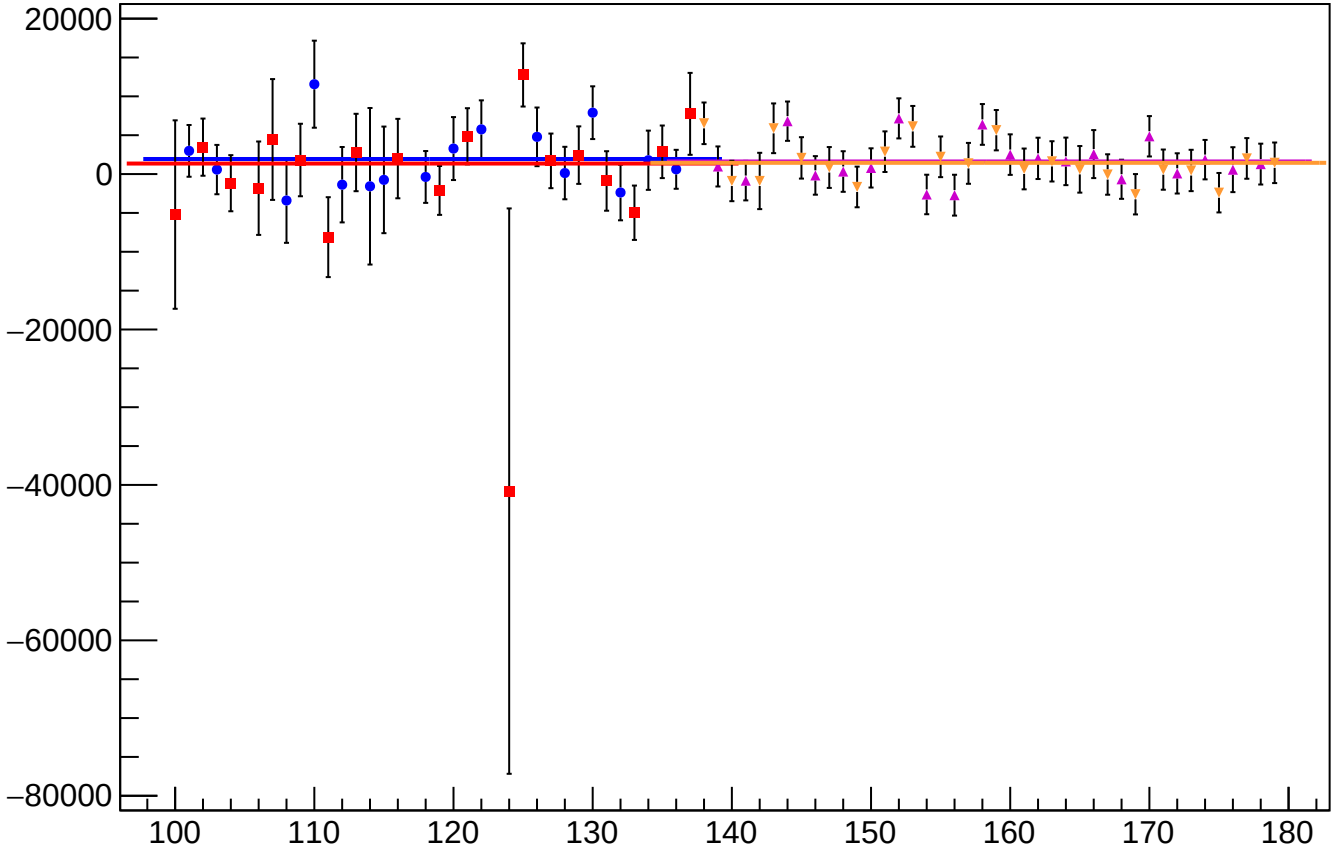
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 973.667+/-0.143 χ^2/NDF:535572.0/35

Out: 984.872+/-0.141 χ^2/NDF:1143296.1/40

All: 979.335+/-0.100 χ^2/NDF: 1681989.1/76

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.244+/-571.295 χ^2/NDF:20.0/21

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1620.700+/-587.428 χ^2/NDF:22.6/19

Left: 1531.558+/-409.551 χ^2/NDF: 42.7/41

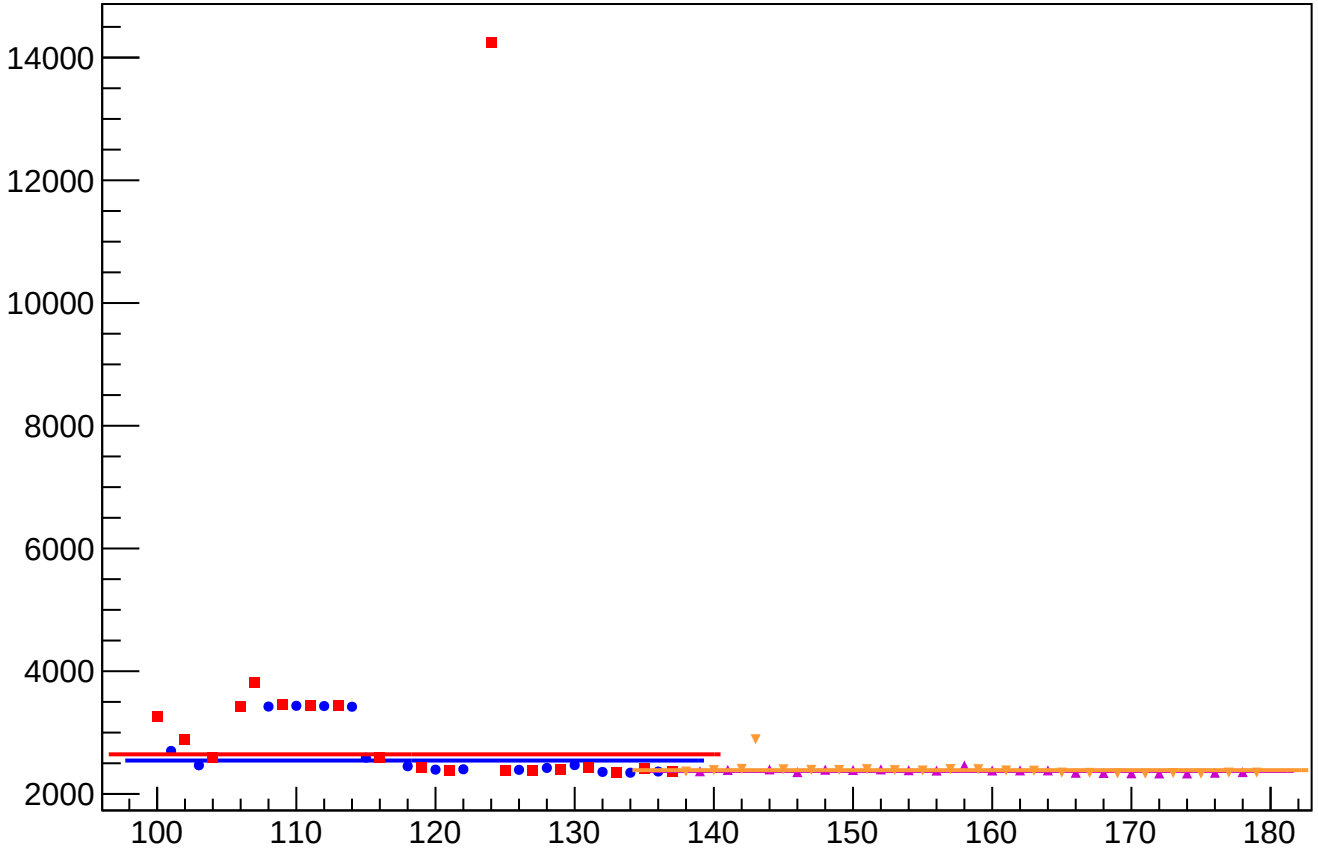
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1708.581+/-499.995 χ^2/NDF:35.0/35

Out: 1423.633+/-494.204 χ^2/NDF:41.8/40

All: 1564.448+/-351.484 χ^2/NDF: 76.9/76

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

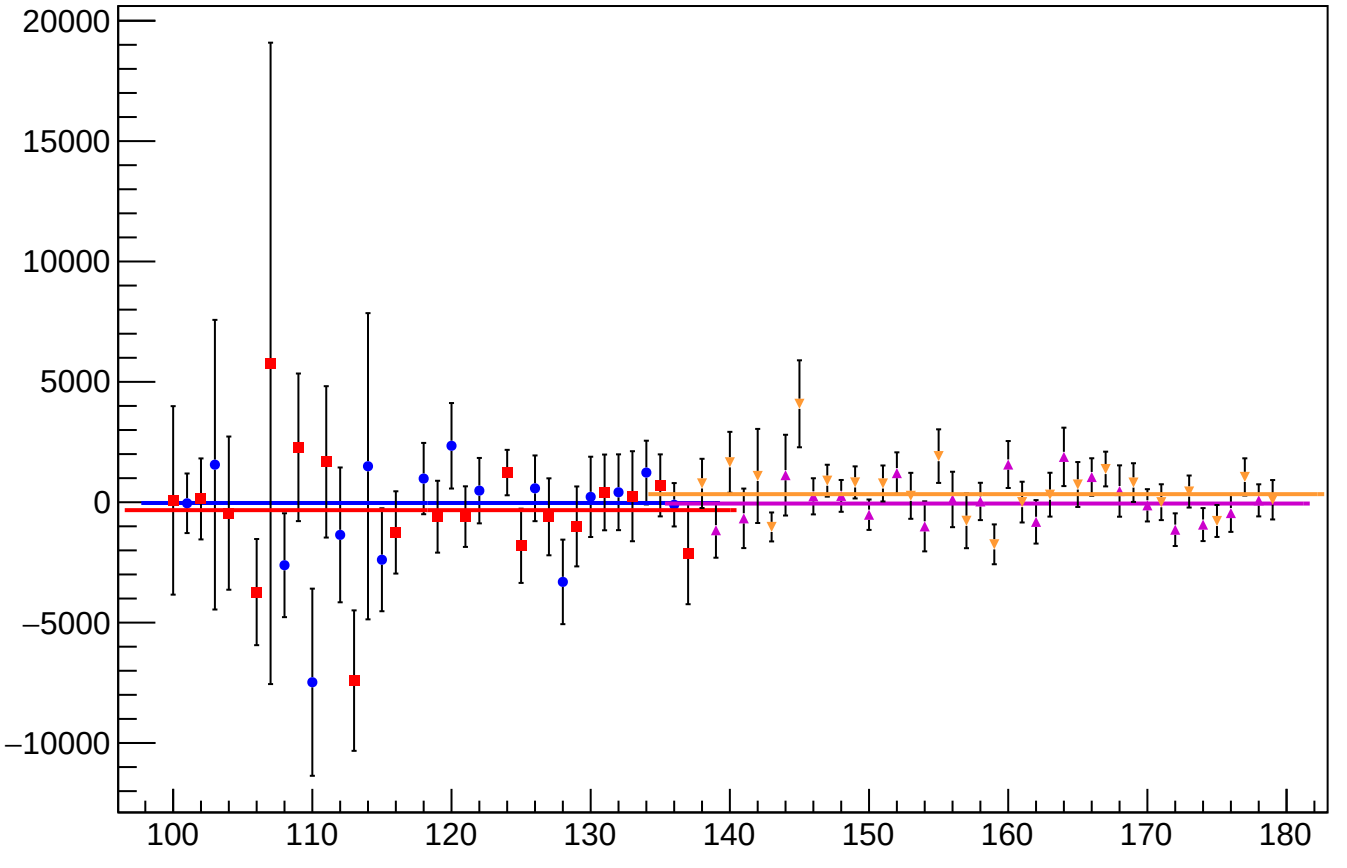
Left: 2381.274+/-0.290 χ^2/NDF: 61211.7/41

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2421.535+/-0.354 χ^2/NDF:277022.5/35

Out: 2452.391+/-0.349 χ^2/NDF:695093.6/40

All: 2437.142+/-0.249 χ^2/NDF: 975969.0/76



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 335.780+/-176.504 χ^2/NDF:28.6/21

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -54.464+/-185.923 χ^2/NDF:18.4/19

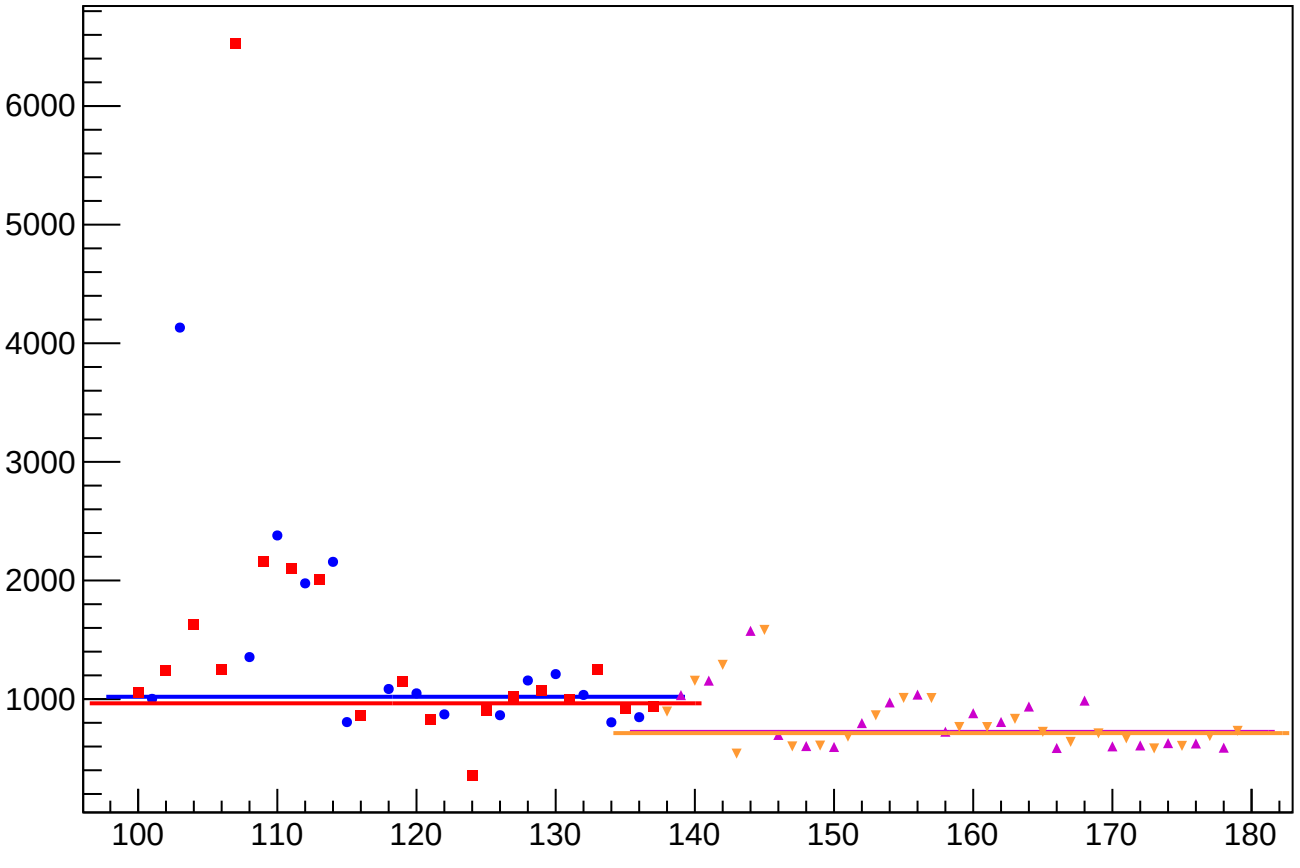
Left: 150.793+/-128.007 χ^2/NDF: 49.2/41

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -50.425+/-169.021 χ^2/NDF:32.2/35

Out: 226.870+/-161.387 χ^2/NDF:46.5/40

All: 94.626+/-116.723 χ^2/NDF: 80.1/76



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.142+/-0.125 χ^2/NDF:1755820.5/21

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 723.482+/-0.131 χ^2/NDF:1920912.1/19

Left: 718.044+/-0.091 χ^2/NDF: 3679986.1/41

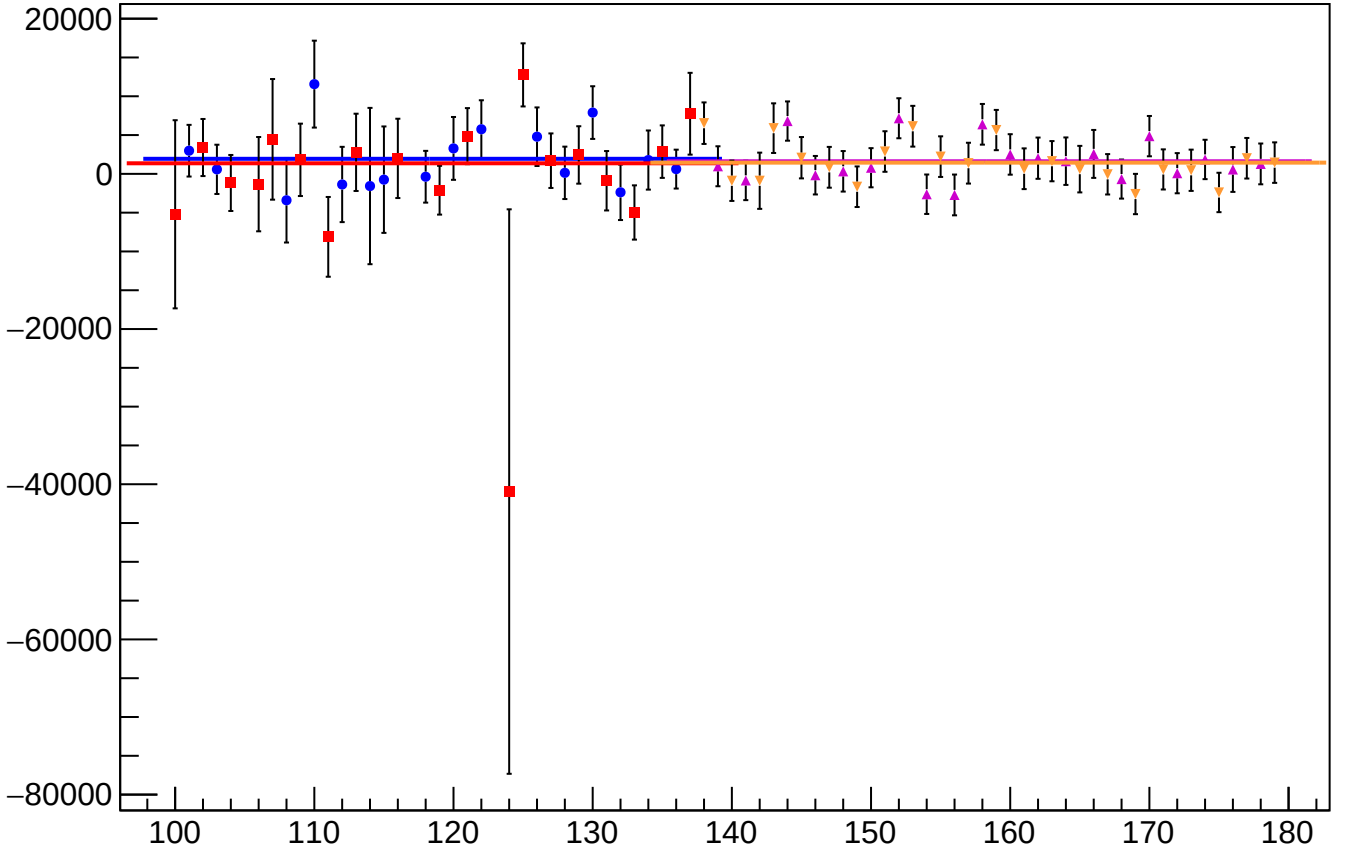
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 774.859+/-0.120 χ^2/NDF:4165662.7/35

Out: 754.335+/-0.114 χ^2/NDF:4729563.6/40

All: 764.123+/-0.083 χ^2/NDF: 8910652.7/76

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1620.760+/-587.428 χ^2/NDF:22.6/19

Left: 1531.562+/-409.551 χ^2/NDF: 42.7/41

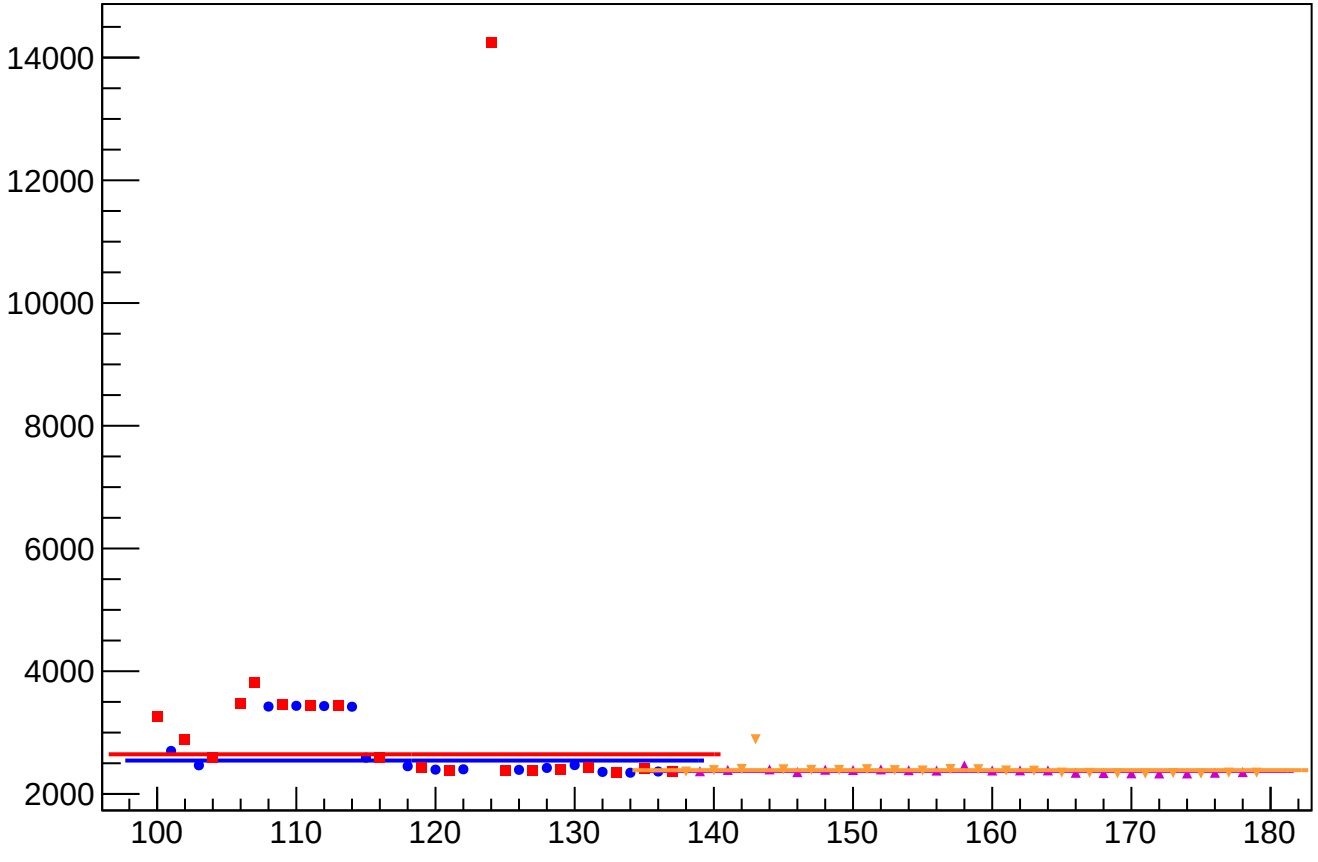
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1708.721+/-499.995 χ^2/NDF:35.0/35

Out: 1426.038+/-494.242 χ^2/NDF:41.7/40

All: 1565.744+/-351.498 χ^2/NDF: 76.8/76

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

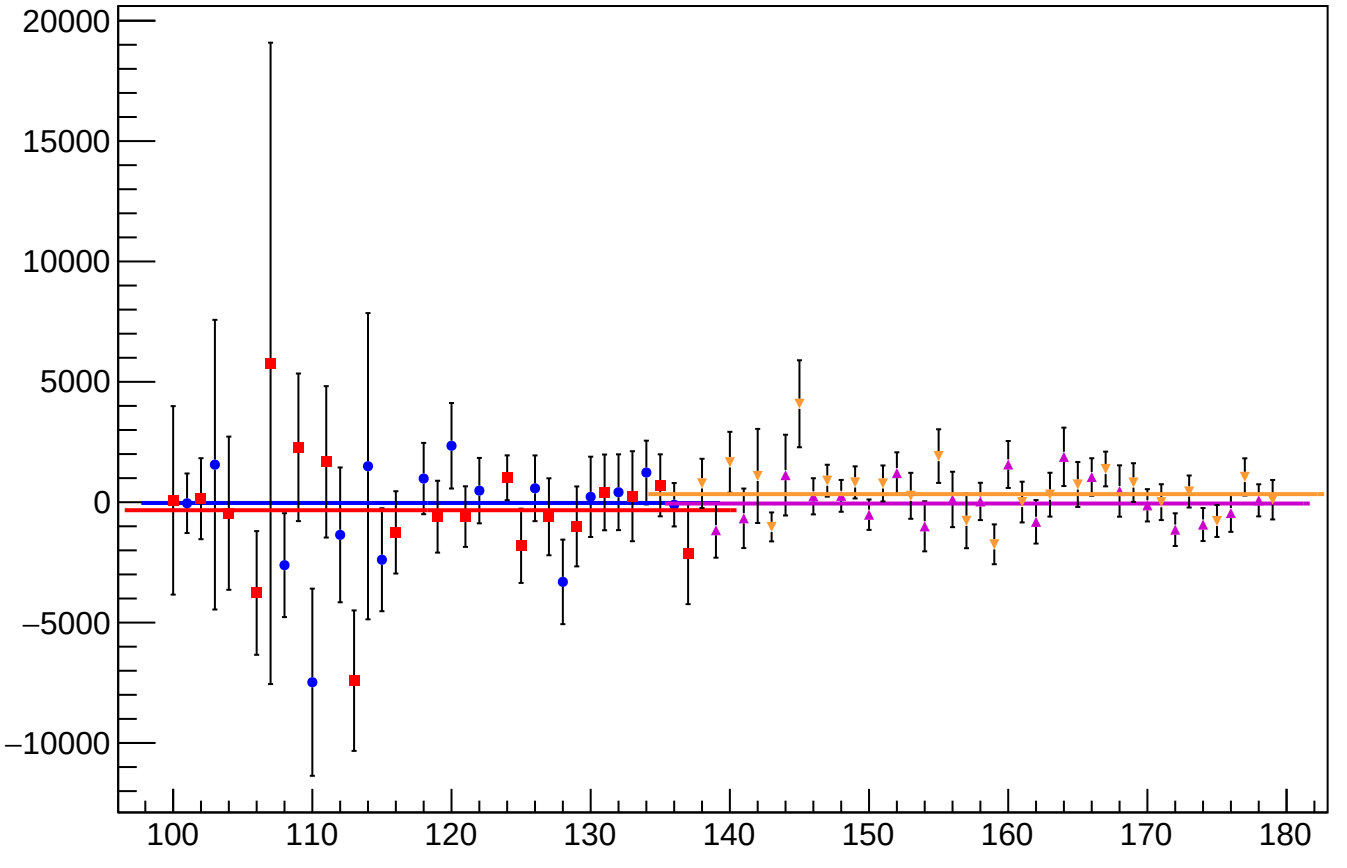
Left: 2381.274+/-0.290 χ^2/NDF: 61211.7/41

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2421.535+/-0.354 χ^2/NDF:277022.5/35

Out: 2452.501+/-0.349 χ^2/NDF:698071.6/40

All: 2437.197+/-0.249 χ^2/NDF: 978974.2/76



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -54.382+/-185.923 χ^2/NDF:18.4/19

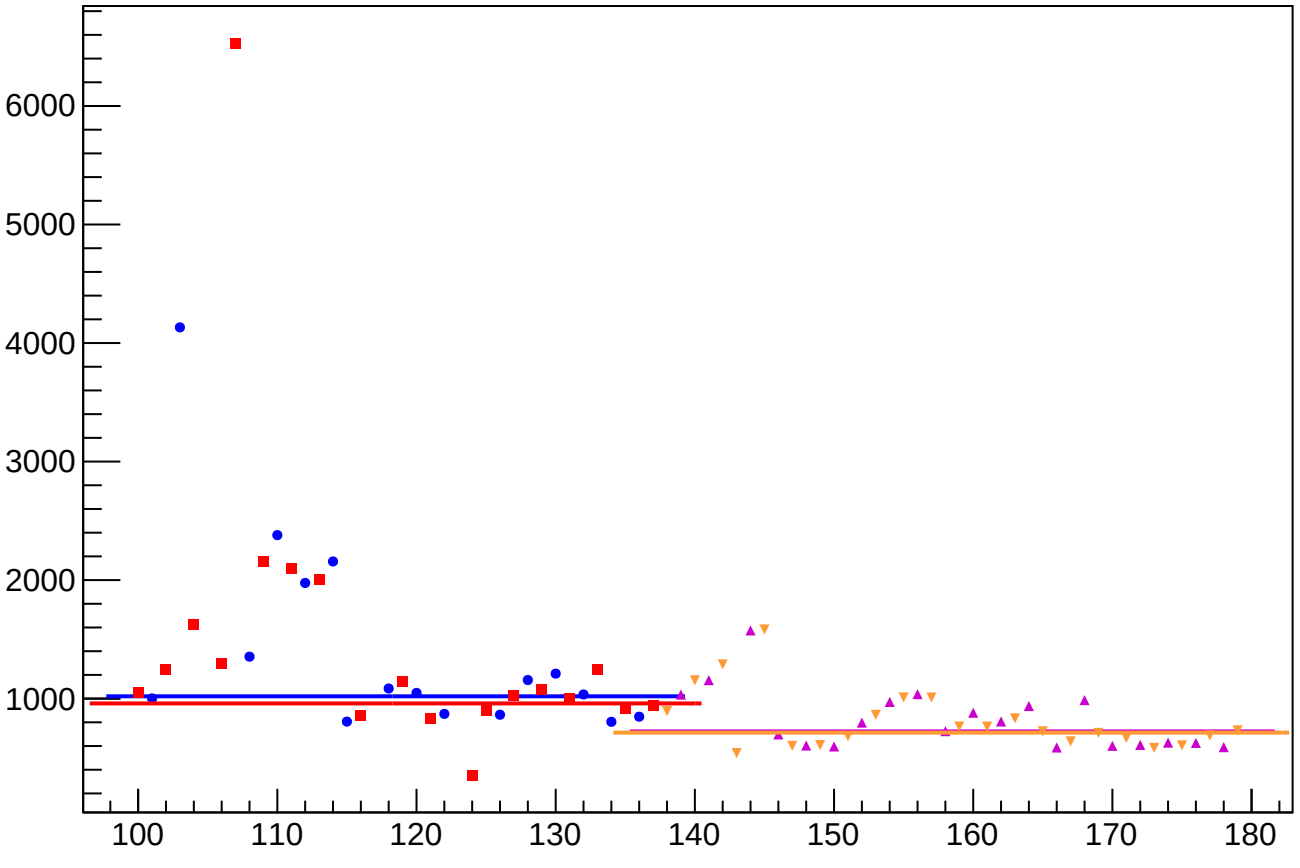
Left: 150.811+/-128.008 χ^2/NDF: 49.2/41

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -50.368+/-169.022 χ^2/NDF:32.2/35

Out: 226.616+/-161.438 χ^2/NDF:45.3/40

All: 94.477+/-116.743 χ^2/NDF: 78.8/76



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 723.485+/-0.131 χ^2/NDF:1921025.4/19

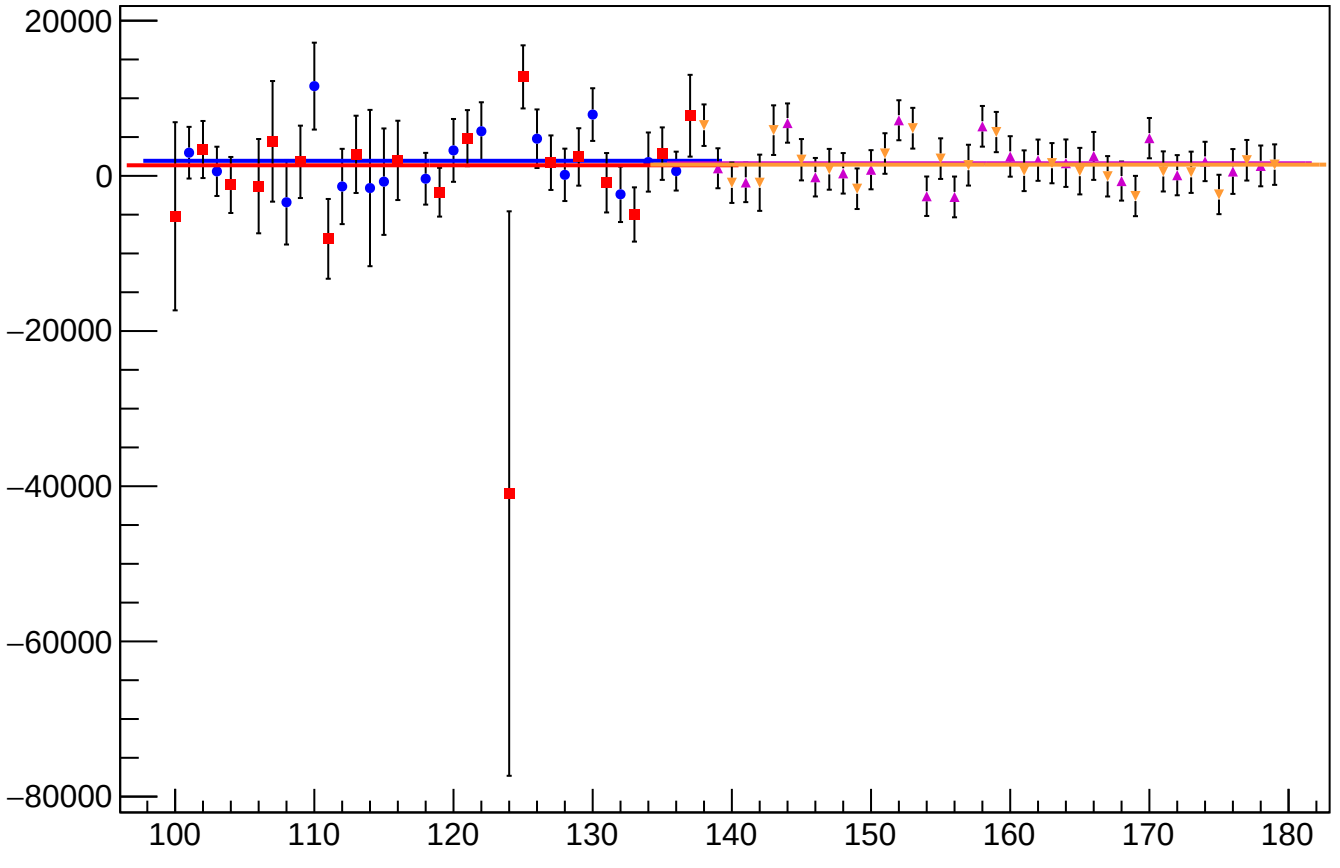
Left: 718.046+/-0.091 χ^2/NDF: 3680181.0/41

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 774.861+/-0.120 χ^2/NDF:4165711.6/35

Out: 753.381+/-0.114 χ^2/NDF:4736304.0/40

All: 763.628+/-0.083 χ^2/NDF: 8918906.9/76



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.196+/-571.295 χ^2/NDF:20.0/21

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1620.760+/-587.428 χ^2/NDF:22.6/19

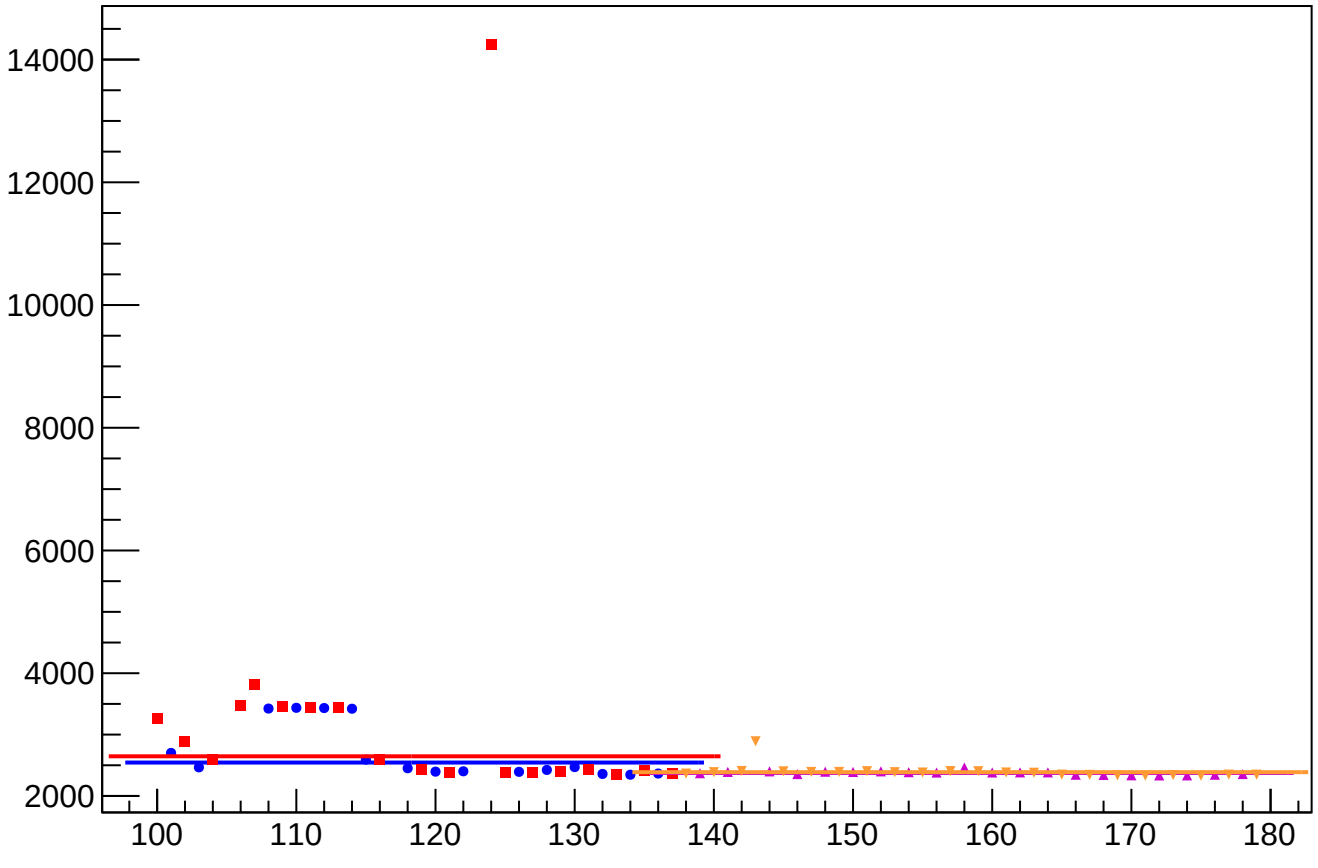
Left: 1531.562+/-409.551 χ^2/NDF: 42.7/41

Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1708.721+/-499.995 χ^2/NDF:35.0/35

Out: 1426.038+/-494.242 χ^2/NDF:41.7/40

All: 1565.744+/-351.498 χ^2/NDF: 76.8/76



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2387.396+/-0.404 χ^2/NDF:55273.2/21

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2374.801+/-0.415 χ^2/NDF:5466.0/19

Left: 2381.274+/-0.290 χ^2/NDF: 61211.7/41

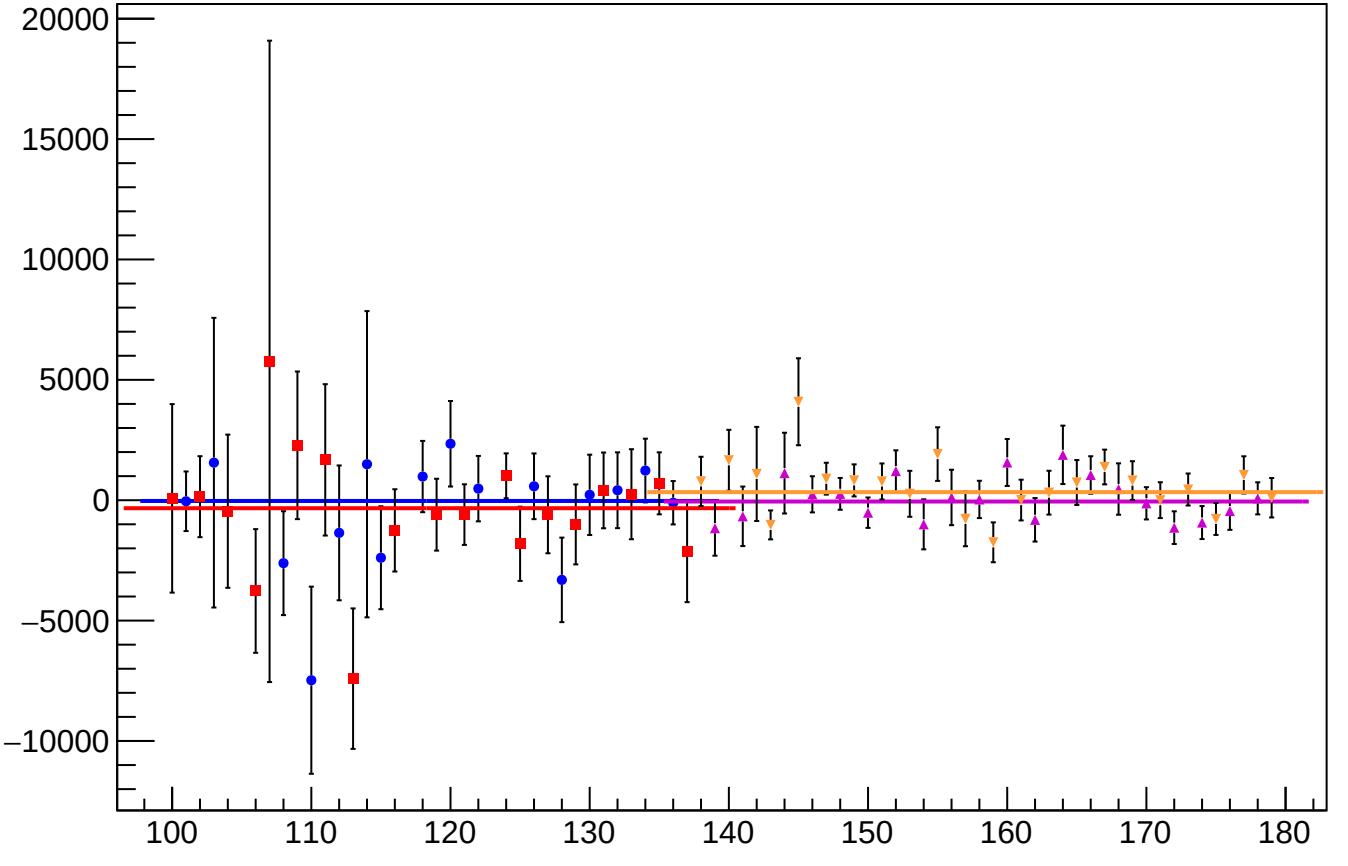
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2421.535+/-0.354 χ^2/NDF:277022.5/35

Out: 2452.501+/-0.349 χ^2/NDF:698071.6/40

All: 2437.197+/-0.249 χ^2/NDF: 978974.2/76

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 335.741+/-176.504 χ^2/NDF:28.6/21

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -54.382+/-185.923 χ^2/NDF:18.4/19

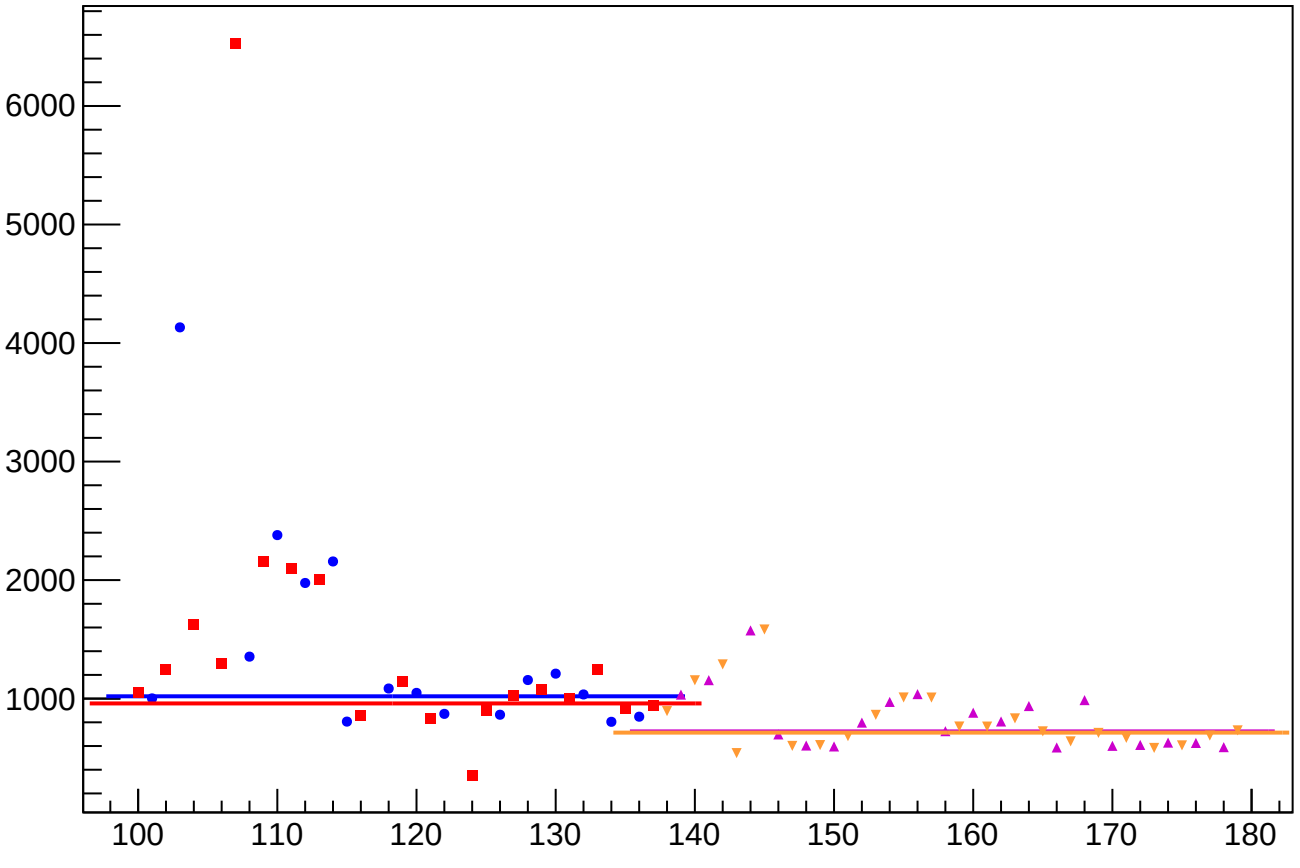
Left: 150.811+/-128.008 χ^2/NDF: 49.2/41

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -50.368+/-169.022 χ^2/NDF:32.2/35

Out: 226.616+/-161.438 χ^2/NDF:45.3/40

All: 94.477+/-116.743 χ^2/NDF: 78.8/76



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.144+/-0.125 χ^2/NDF:1755901.2/21

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 723.485+/-0.131 χ^2/NDF:1921025.4/19

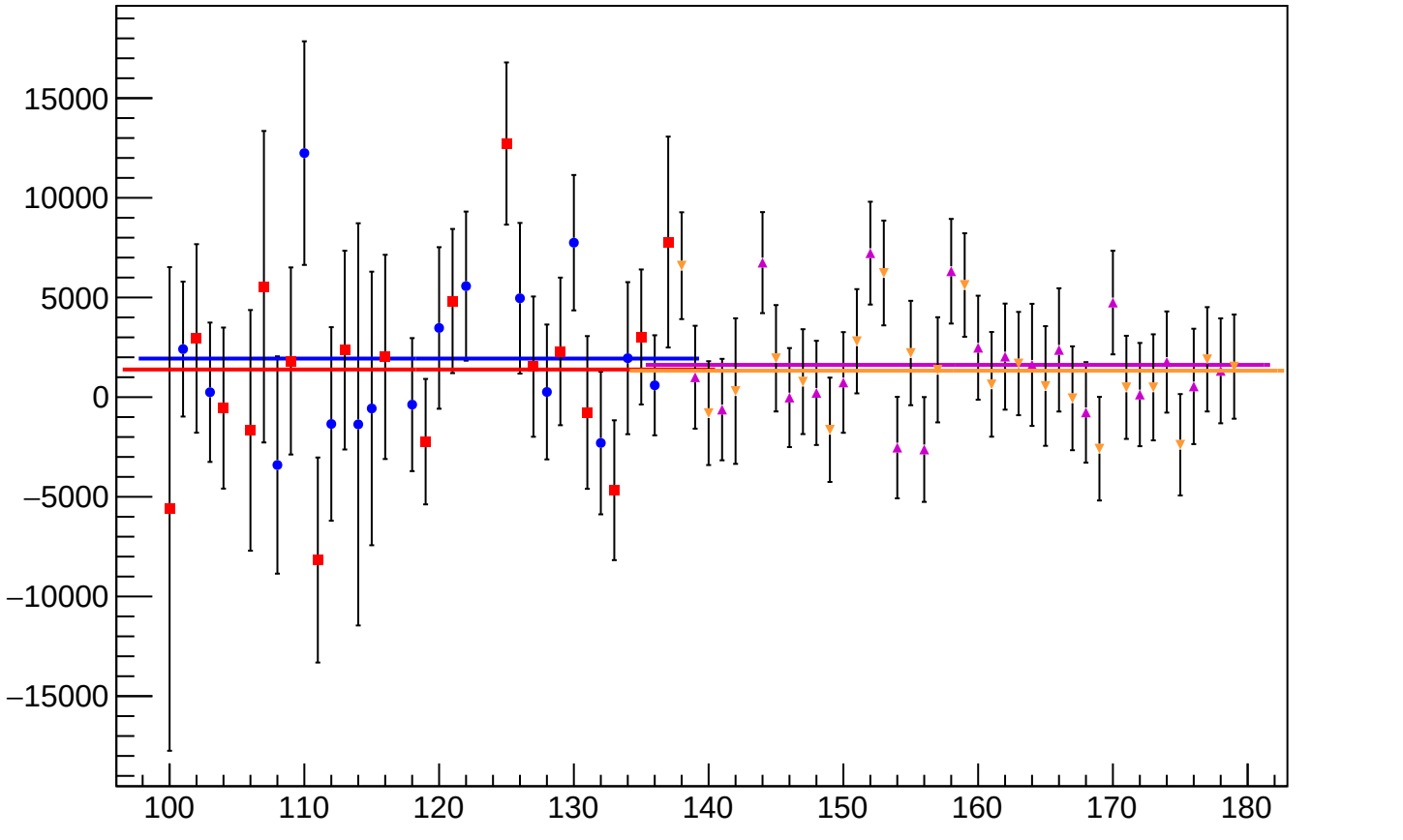
Left: 718.046+/-0.091 χ^2/NDF: 3680181.0/41

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 774.861+/-0.120 χ^2/NDF:4165711.6/35

Out: 753.381+/-0.114 χ^2/NDF:4736304.0/40

All: 763.628+/-0.083 χ^2/NDF: 8918906.9/76



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.886+/-581.281 χ^2/NDF:17.7/20

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1618.348+/-587.959 χ^2/NDF:22.0/19

Left: 1470.952+/-413.369 χ^2/NDF: 39.8/40

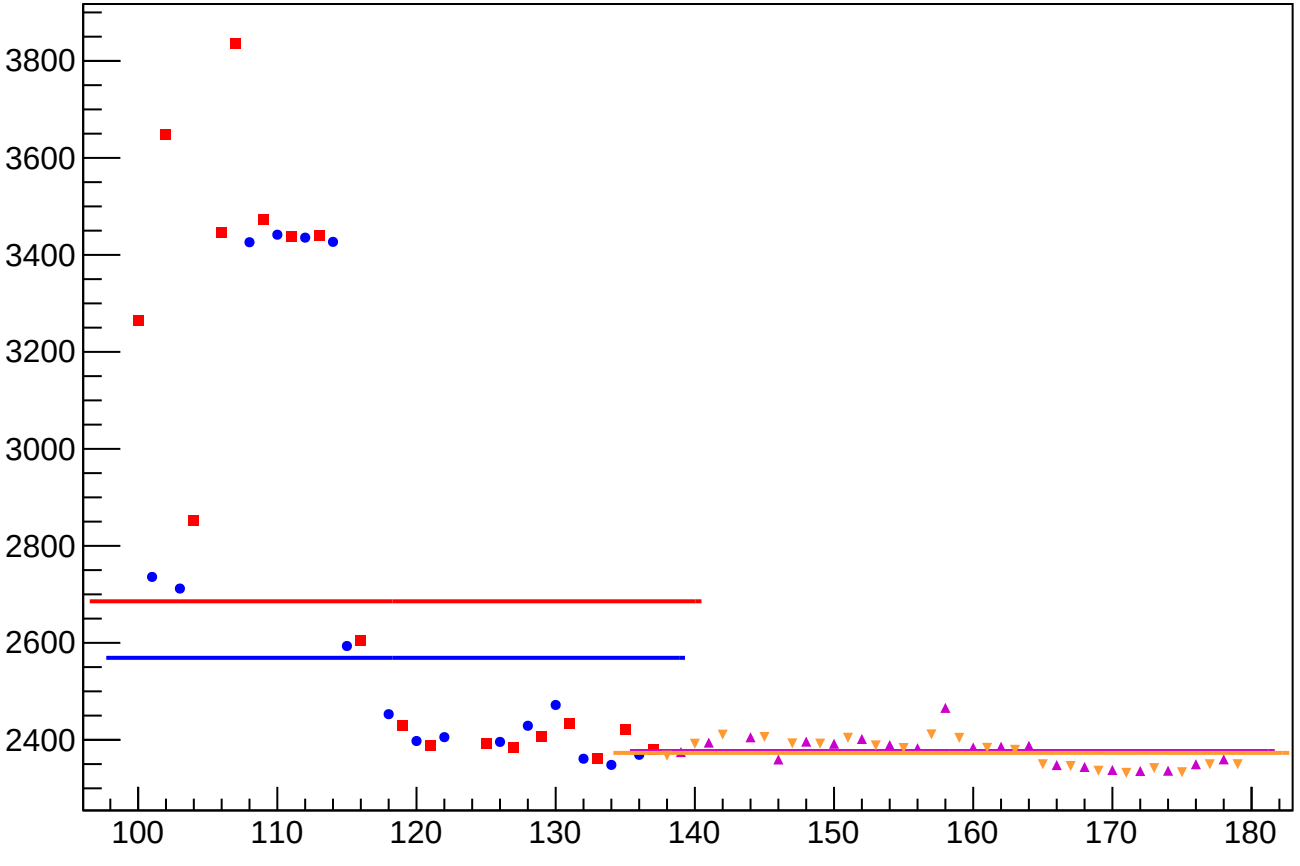
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1704.691+/-501.724 χ^2/NDF:34.4/35

Out: 1342.000+/-503.691 χ^2/NDF:37.5/38

All: 1524.055+/-355.466 χ^2/NDF: 72.2/74

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2376.938+/-0.416 χ^2/NDF:5474.3/19

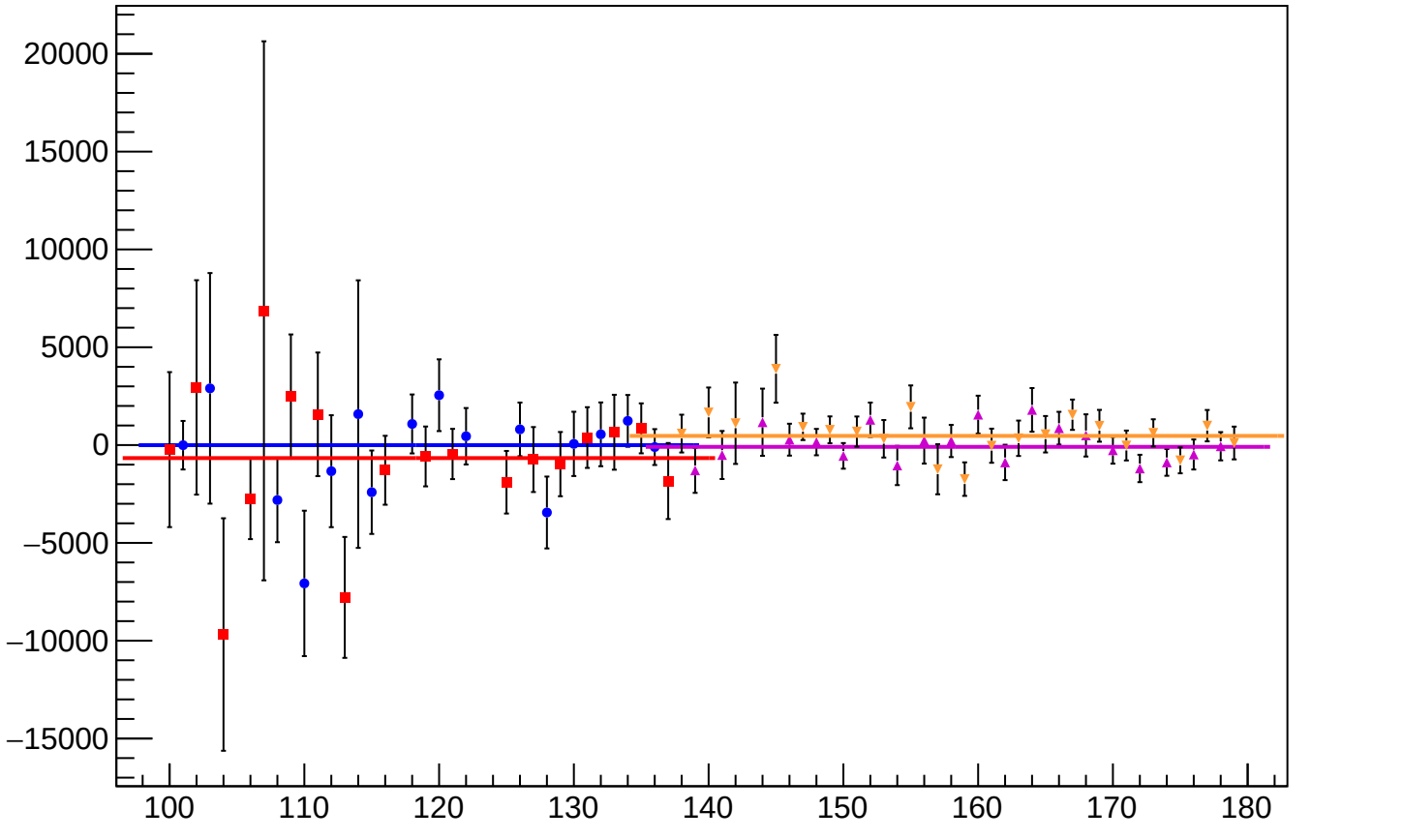
Left: 2374.994+/-0.292 χ^2/NDF: 9832.9/40

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2429.181+/-0.355 χ^2/NDF:293050.9/35

Out: 2450.973+/-0.356 χ^2/NDF:567670.7/38

All: 2440.034+/-0.251 χ^2/NDF: 862600.8/74



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.400+/-188.800 χ^2/NDF:23.3/20

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -91.230+/-190.380 χ^2/NDF:18.5/19

Left: 190.916+/-134.057 χ^2/NDF: 46.1/40

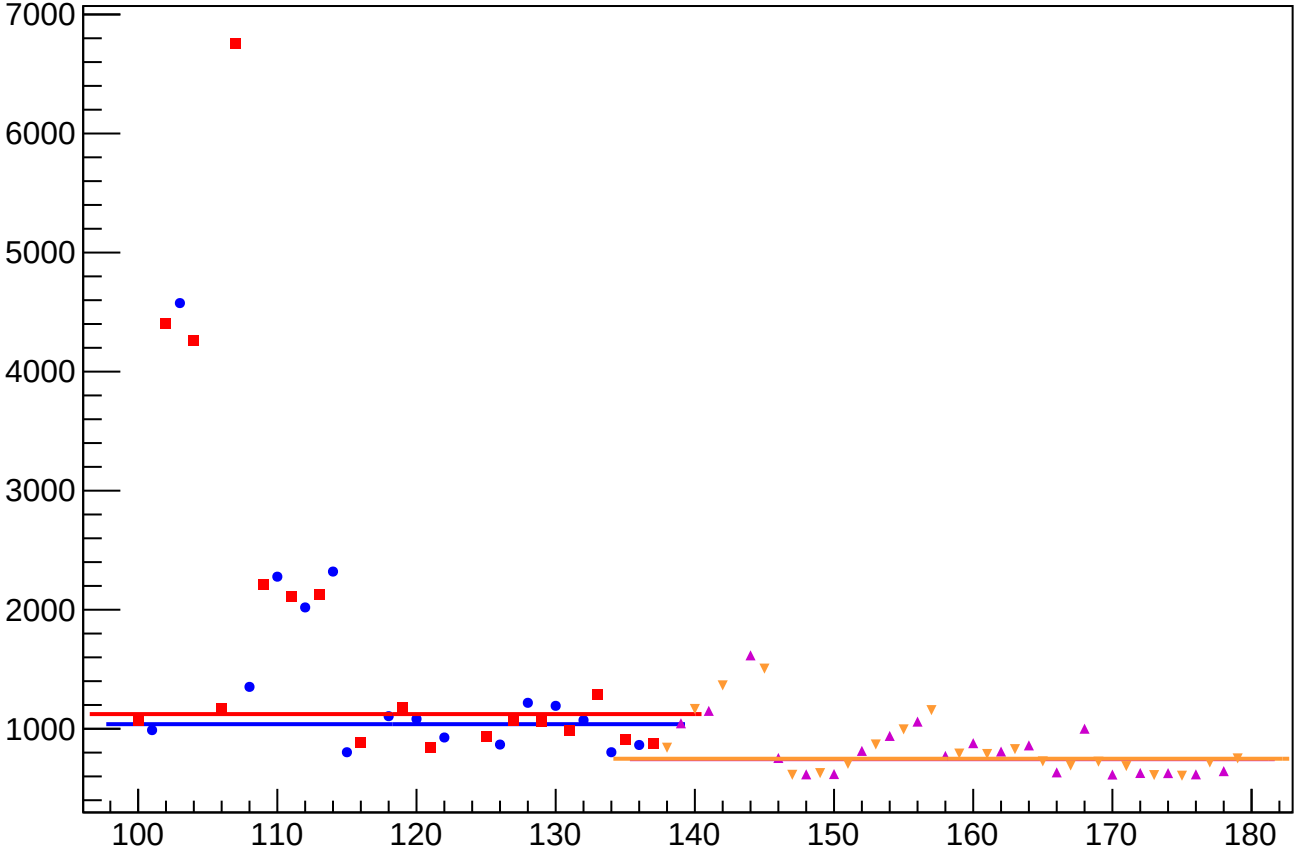
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -76.102+/-172.839 χ^2/NDF:33.0/35

Out: 305.172+/-174.689 χ^2/NDF:42.9/38

All: 112.506+/-122.864 χ^2/NDF: 78.3/74

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 748.402+/-0.134 χ^2/NDF:1500736.5/20

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 744.762+/-0.135 χ^2/NDF:1746642.8/19

Left: 746.597+/-0.095 χ^2/NDF: 3247747.9/40

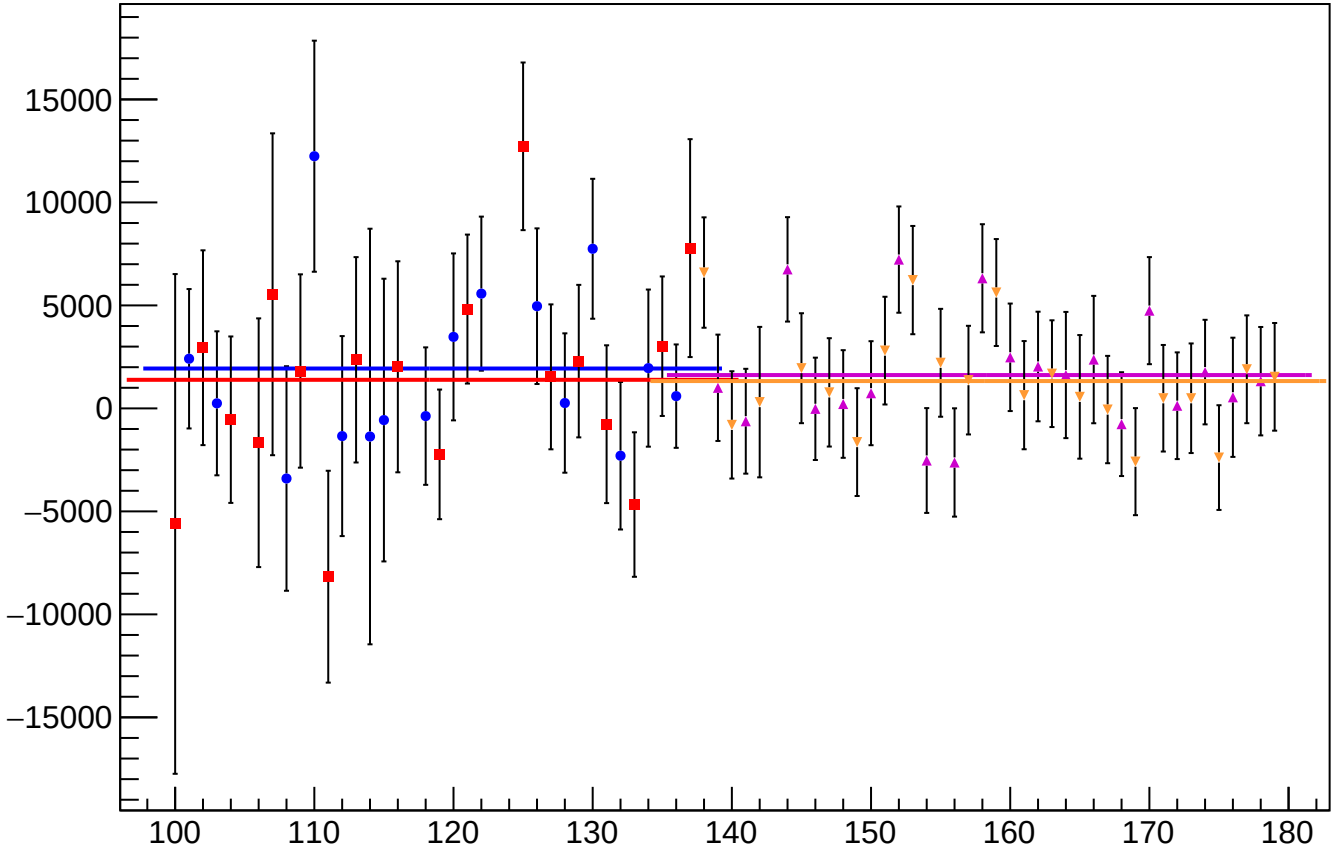
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 796.448+/-0.122 χ^2/NDF:4125006.3/35

Out: 802.373+/-0.124 χ^2/NDF:5172050.6/38

All: 799.379+/-0.087 χ^2/NDF: 9298219.6/74

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1326.887+/-581.281 χ^2/NDF:17.7/20

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1618.349+/-587.959 χ^2/NDF:22.0/19

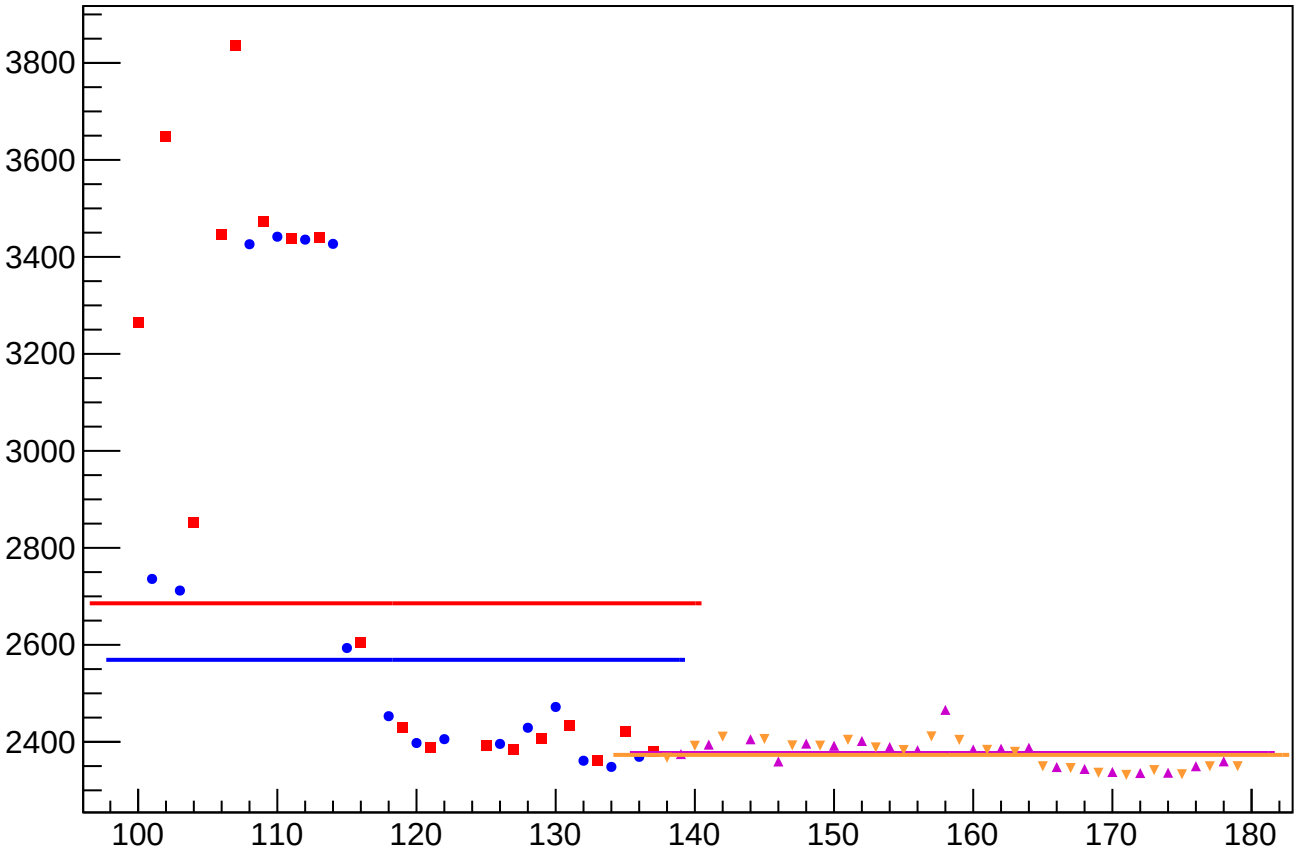
Left: 1470.953+/-413.369 χ^2/NDF: 39.8/40

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1704.691+/-501.724 χ^2/NDF:34.4/35

Out: 1342.000+/-503.691 χ^2/NDF:37.5/38

All: 1524.055+/-355.466 χ^2/NDF: 72.2/74



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2373.094+/-0.411 χ^2/NDF:4315.4/20

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2376.938+/-0.416 χ^2/NDF:5474.3/19

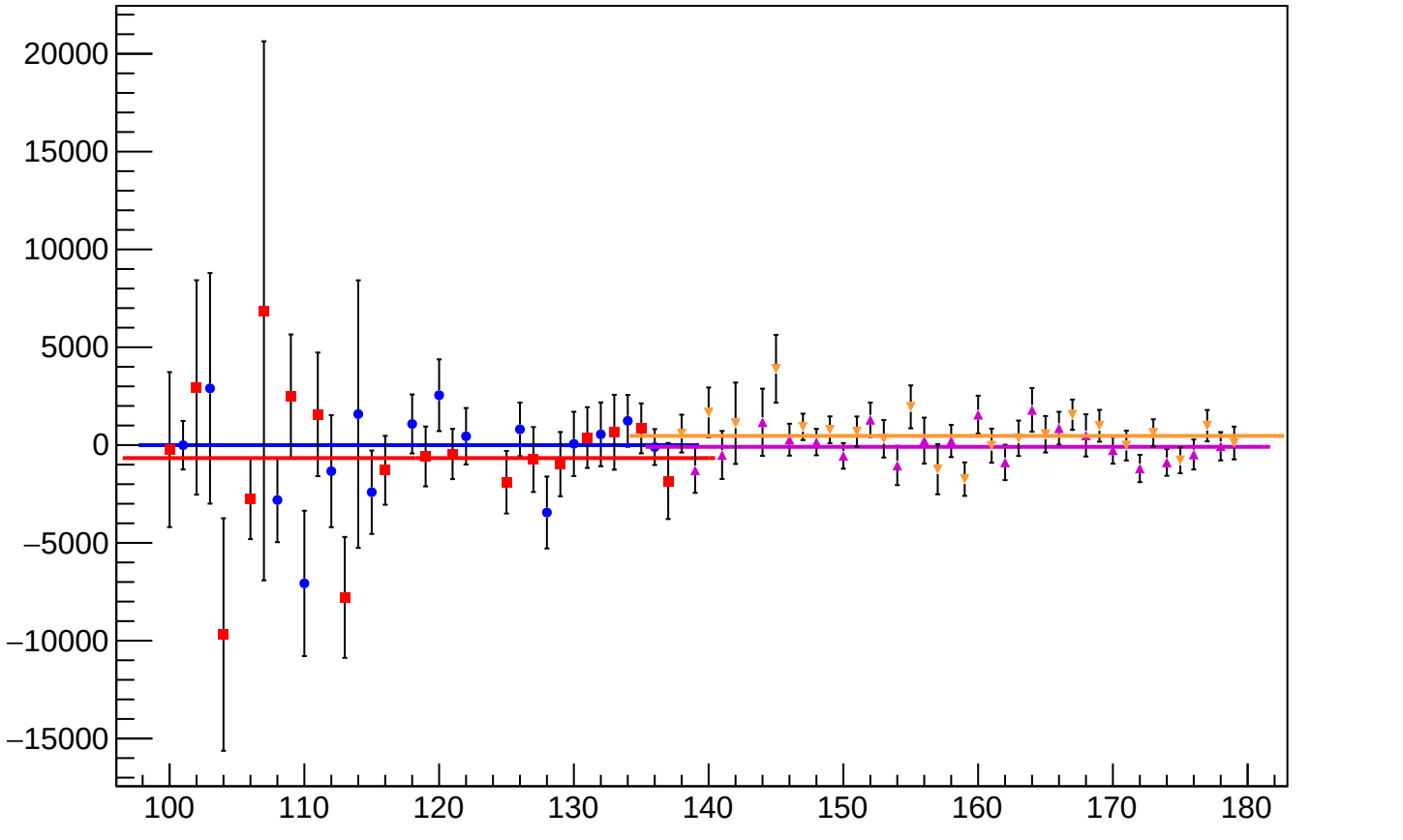
Left: 2374.994+/-0.292 χ^2/NDF: 9832.9/40

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2429.181+/-0.355 χ^2/NDF:293050.4/35

Out: 2450.973+/-0.356 χ^2/NDF:567669.8/38

All: 2440.034+/-0.251 χ^2/NDF: 862599.3/74



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 468.401+/-188.800 χ^2/NDF:23.3/20

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -91.230+/-190.380 χ^2/NDF:18.5/19

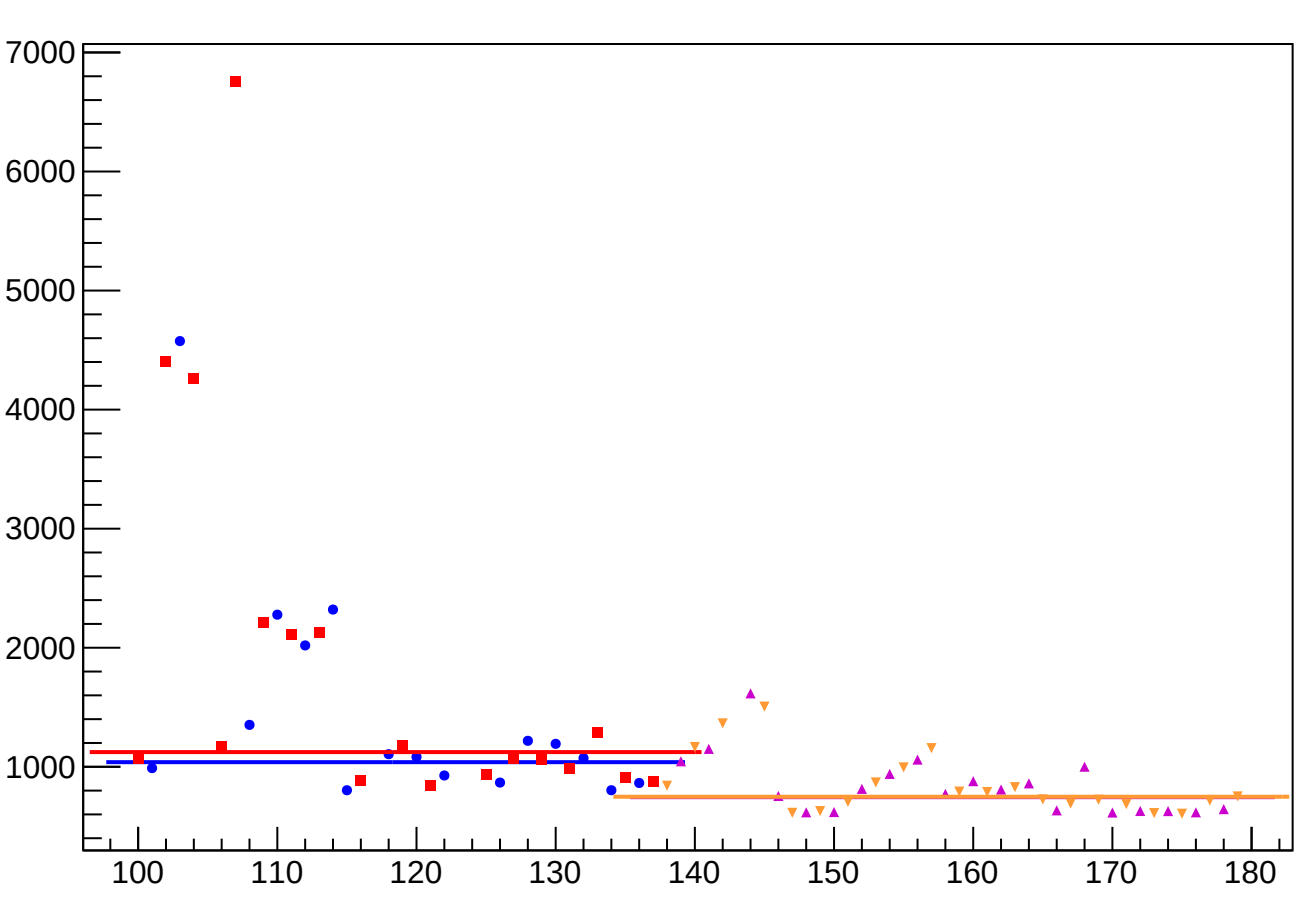
Left: 190.917+/-134.057 χ^2/NDF: 46.1/40

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -76.102+/-172.839 χ^2/NDF:33.0/35

Out: 305.171+/-174.689 χ^2/NDF:42.9/38

All: 112.505+/-122.865 χ^2/NDF: 78.3/74



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 748.404+/-0.134 χ^2/NDF:1500734.3/20

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 744.764+/-0.135 χ^2/NDF:1746639.3/19

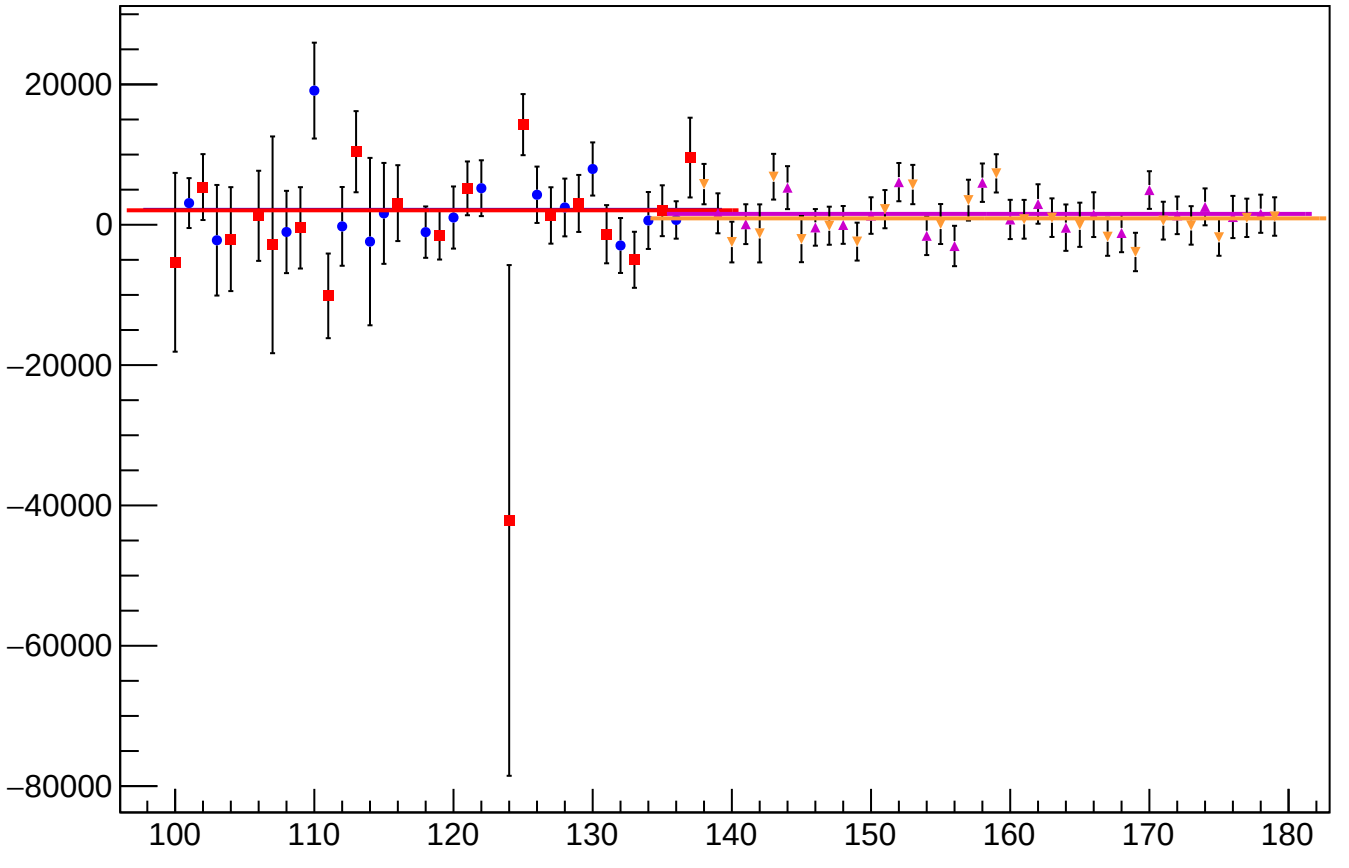
Left: 746.599+/-0.095 χ^2/NDF: 3247742.2/40

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 796.450+/-0.122 χ^2/NDF:4124990.7/35

Out: 802.375+/-0.124 χ^2/NDF:5172037.2/38

All: 799.381+/-0.087 χ^2/NDF: 9298190.5/74



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 910.890+/-607.312 χ^2/NDF:25.2/21

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1548.242+/-625.947 χ^2/NDF:15.3/19

Left: 1219.937+/-435.874 χ^2/NDF: 41.0/41

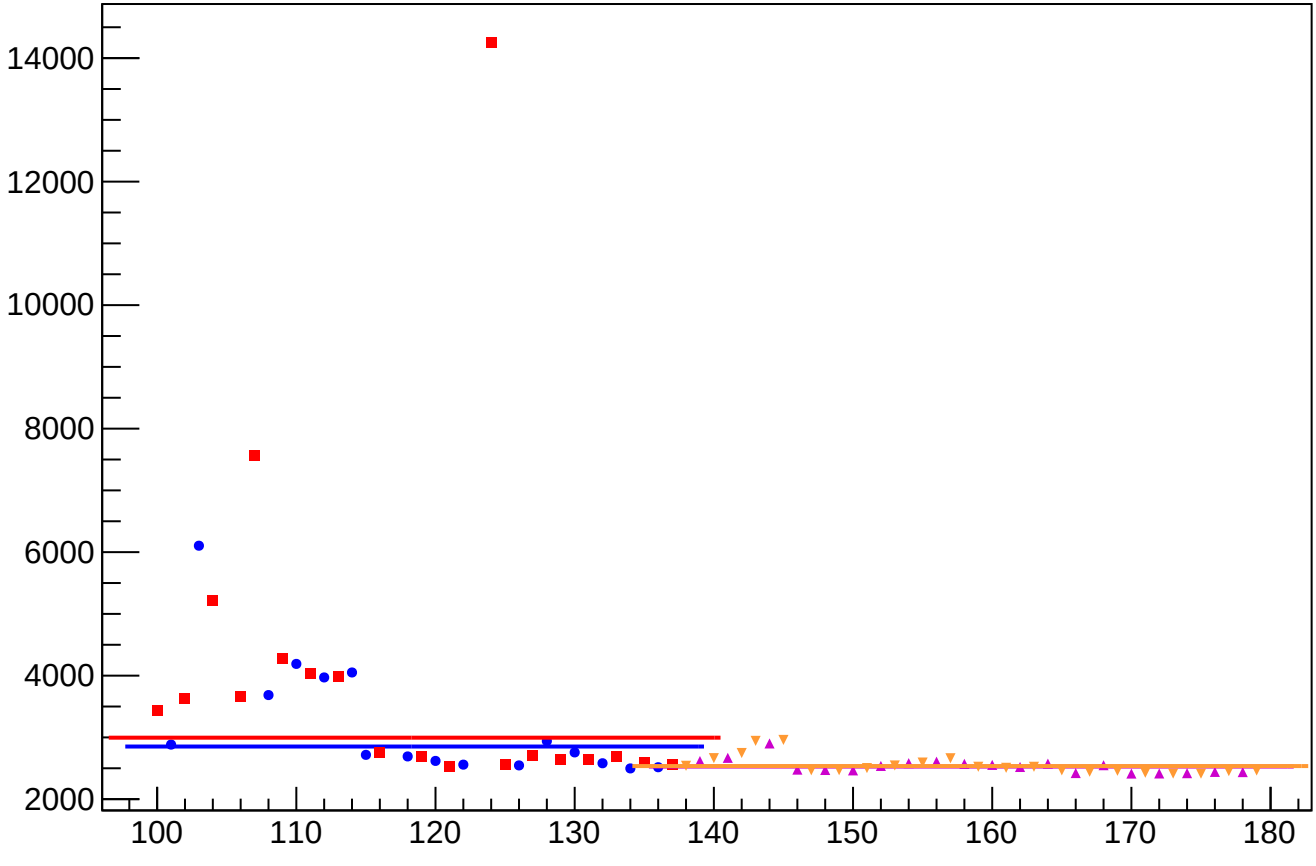
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1691.575+/-542.152 χ^2/NDF:28.9/35

Out: 1165.970+/-535.665 χ^2/NDF:50.3/40

All: 1425.609+/-381.045 χ^2/NDF: 79.6/76

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2535.684+/-0.429 χ^2/NDF:100757.9/21

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2527.922+/-0.443 χ^2/NDF:59462.0/19

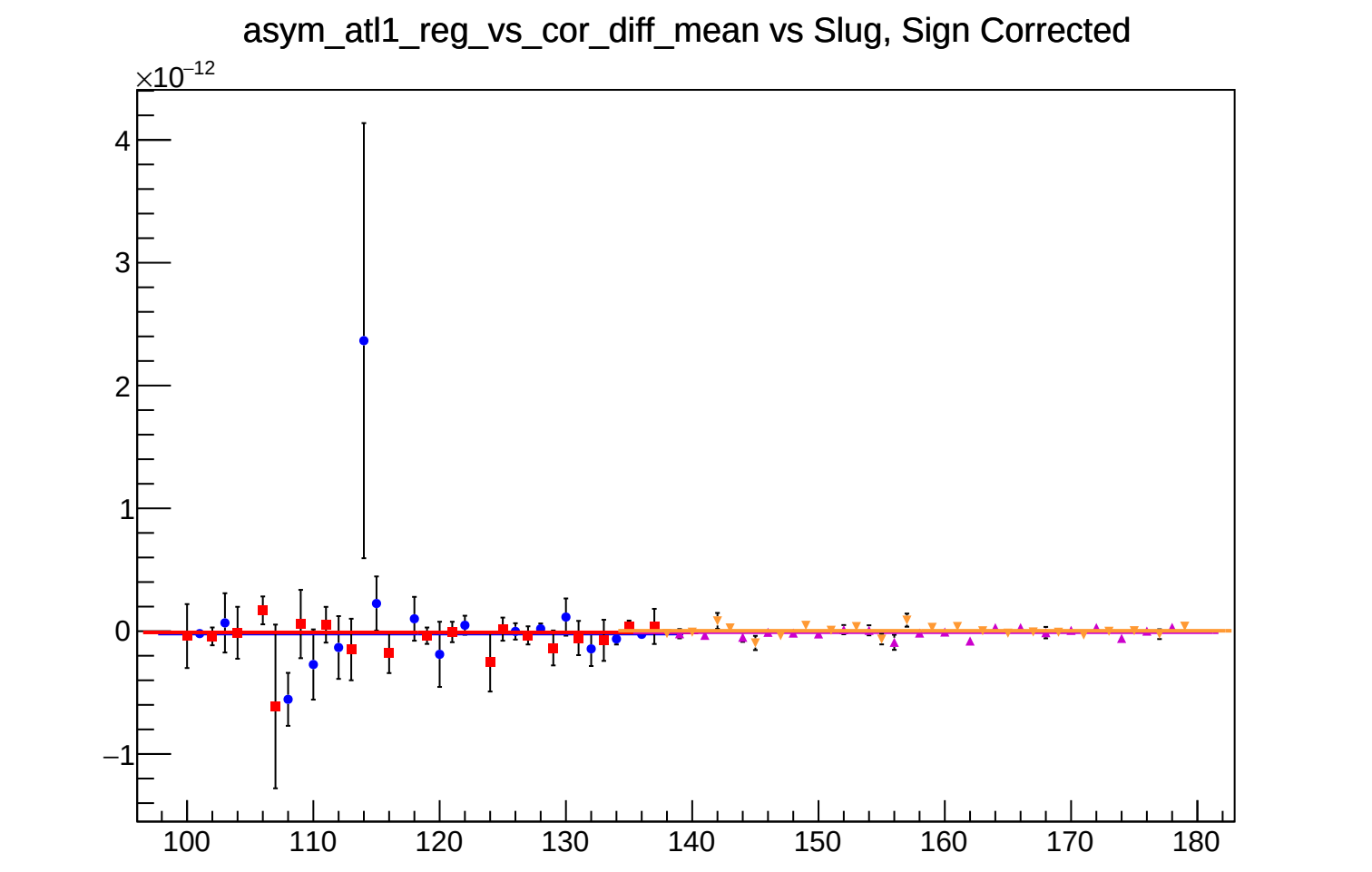
Left: 2531.920+/-0.308 χ^2/NDF: 160378.4/41

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2608.934+/-0.383 χ^2/NDF:842277.0/35

Out: 2637.783+/-0.379 χ^2/NDF:1334512.6/40

All: 2623.532+/-0.269 χ^2/NDF: 2179655.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.3/19

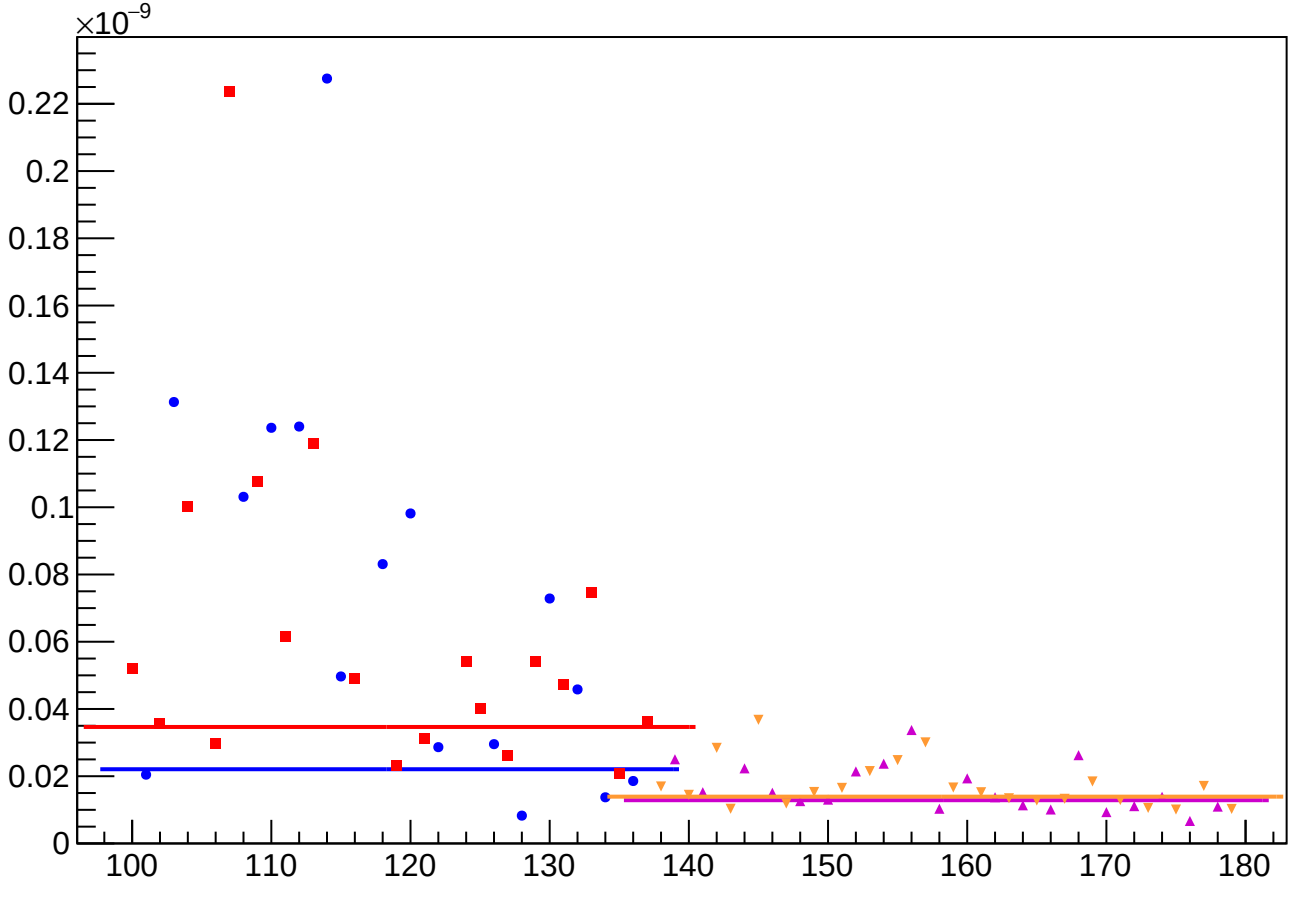
Left: -0.000+/-0.000 χ^2/NDF: 58.5/41

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:45.1/35

Out: 0.000+/-0.000 χ^2/NDF:35.6/40

All: -0.000+/-0.000 χ^2/NDF: 83.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1257476.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1549364.6/19

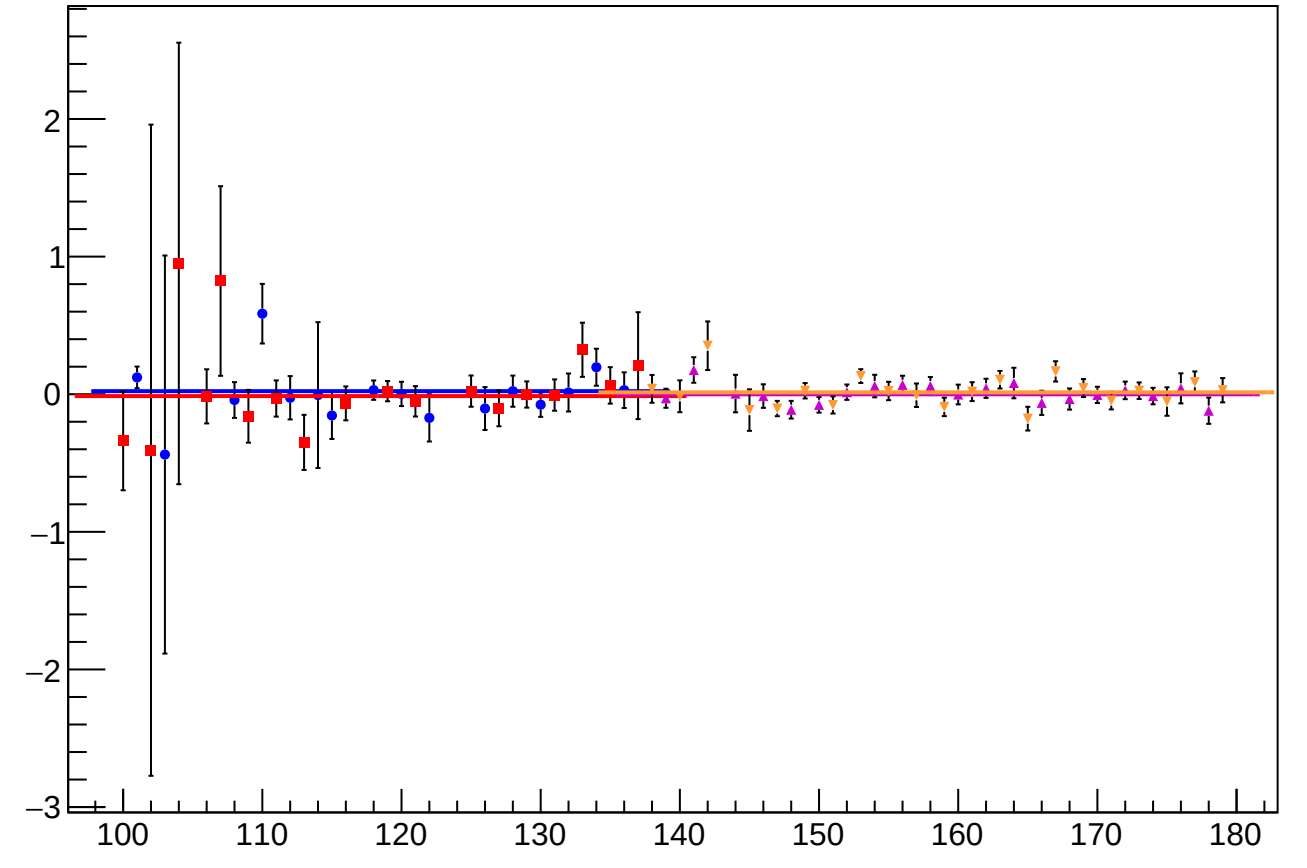
Left: 0.000+/-0.000 χ^2/NDF: 2841642.2/41

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:4413020.1/35

Out: 0.000+/-0.000 χ^2/NDF:3868558.1/40

All: 0.000+/-0.000 χ^2/NDF: 8326882.6/76



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.8/19

Left: 0.007+/-0.011 χ^2/NDF: 48.4/40

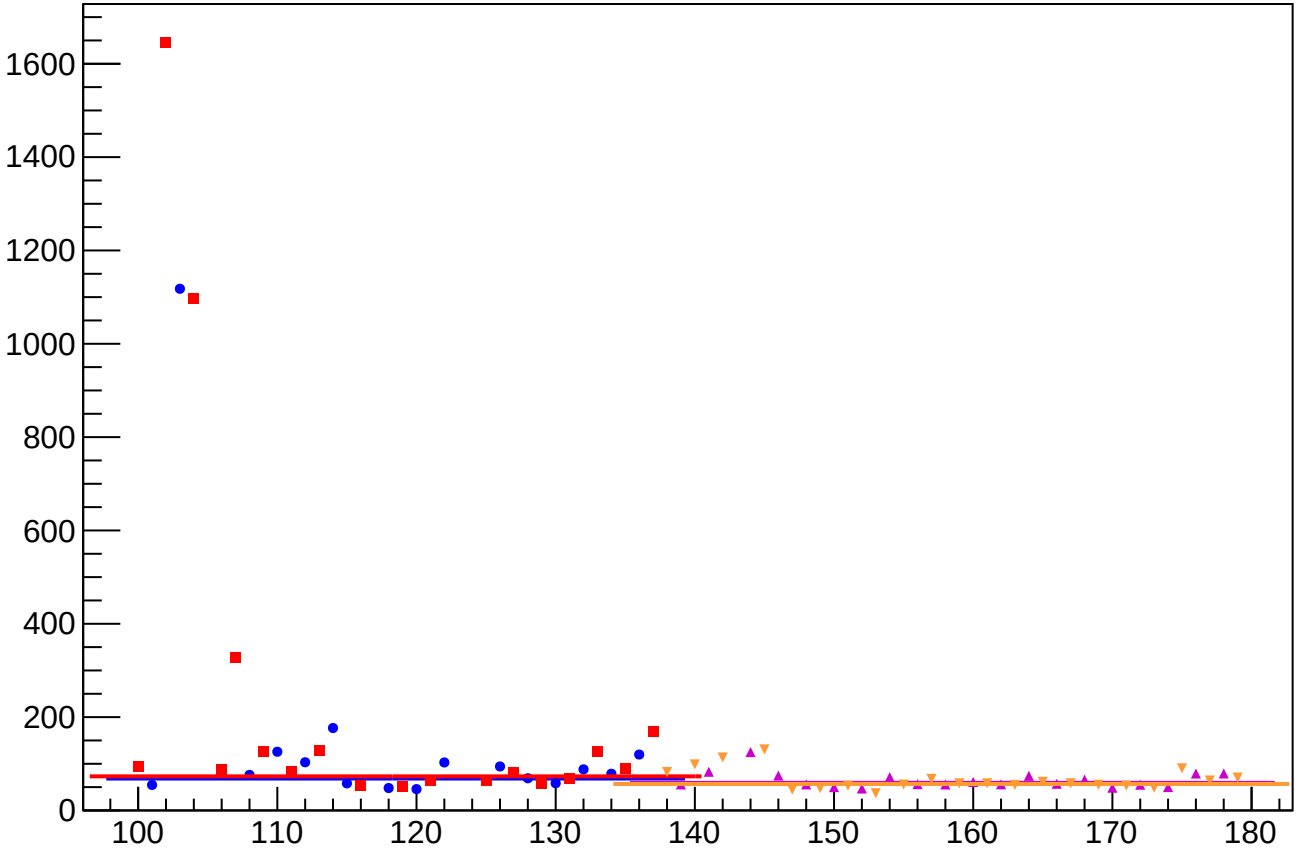
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.007+/-0.010 χ^2/NDF: 74.6/74

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

Left: 57.919+/-0.008 χ^2/NDF: 3139934.1/40

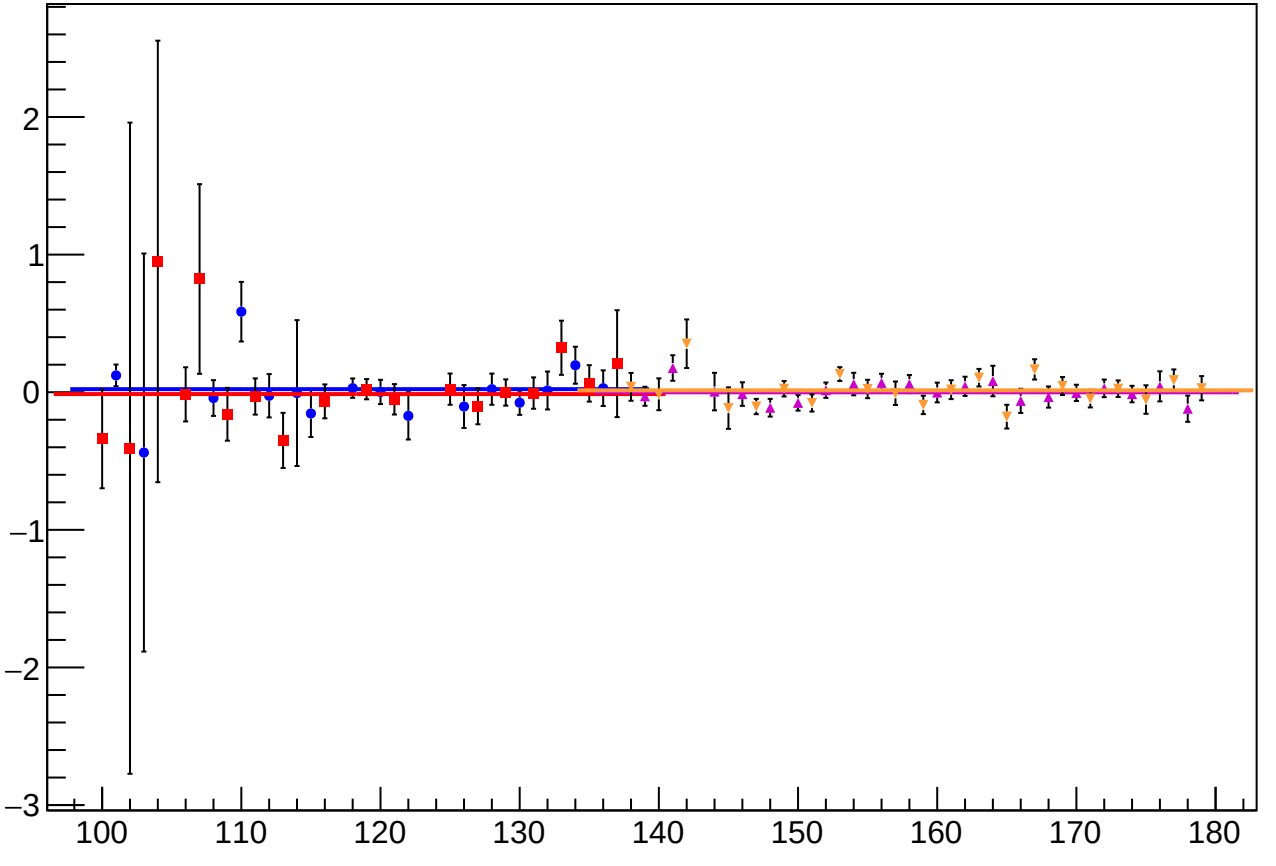
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.243+/-0.010 χ^2/NDF:3633942.1/35

Out: 59.709+/-0.010 χ^2/NDF:5210413.1/38

All: 60.472+/-0.007 χ^2/NDF: 8855921.0/74

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.8/19

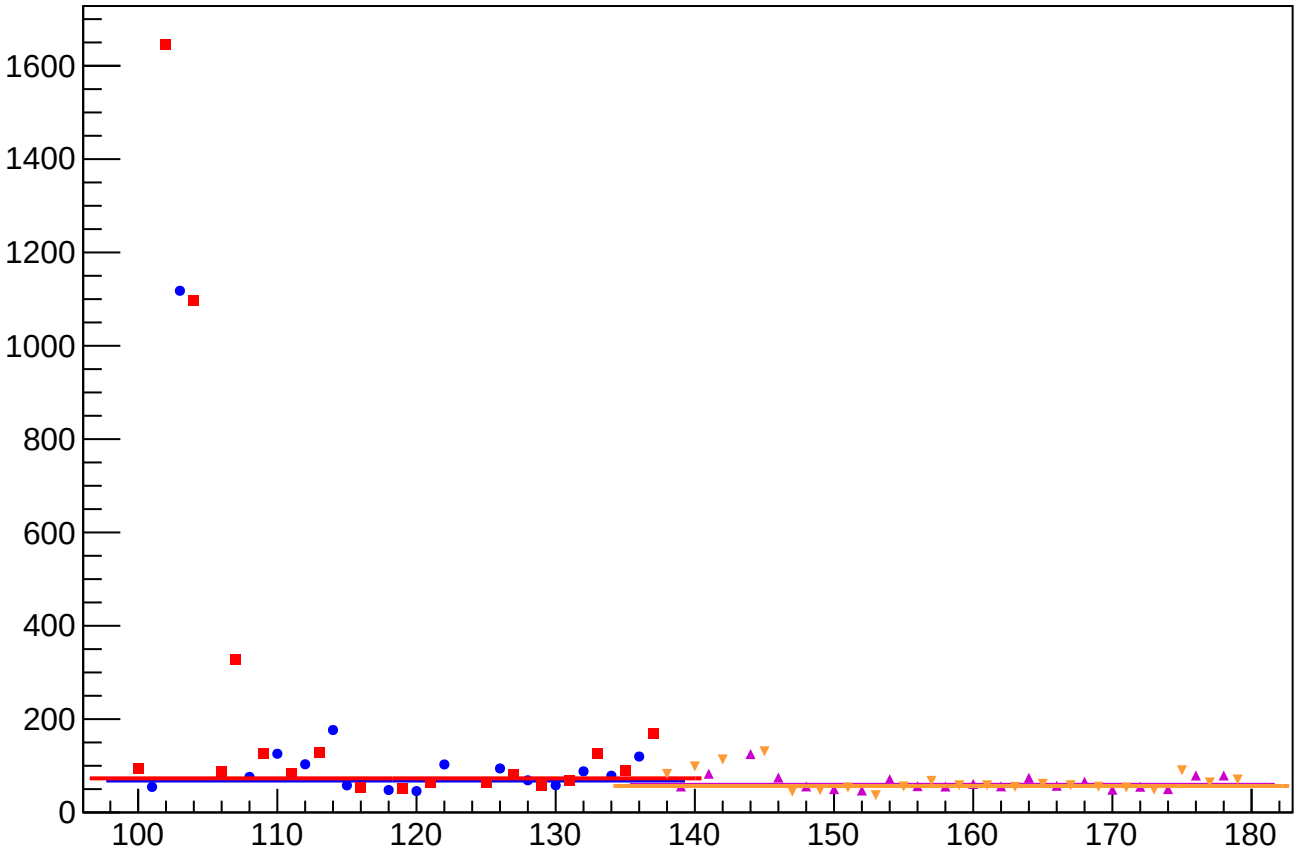
Left: 0.007+/-0.011 χ^2/NDF: 48.4/40

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.007+/-0.010 χ^2/NDF: 74.6/74



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908350.4/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

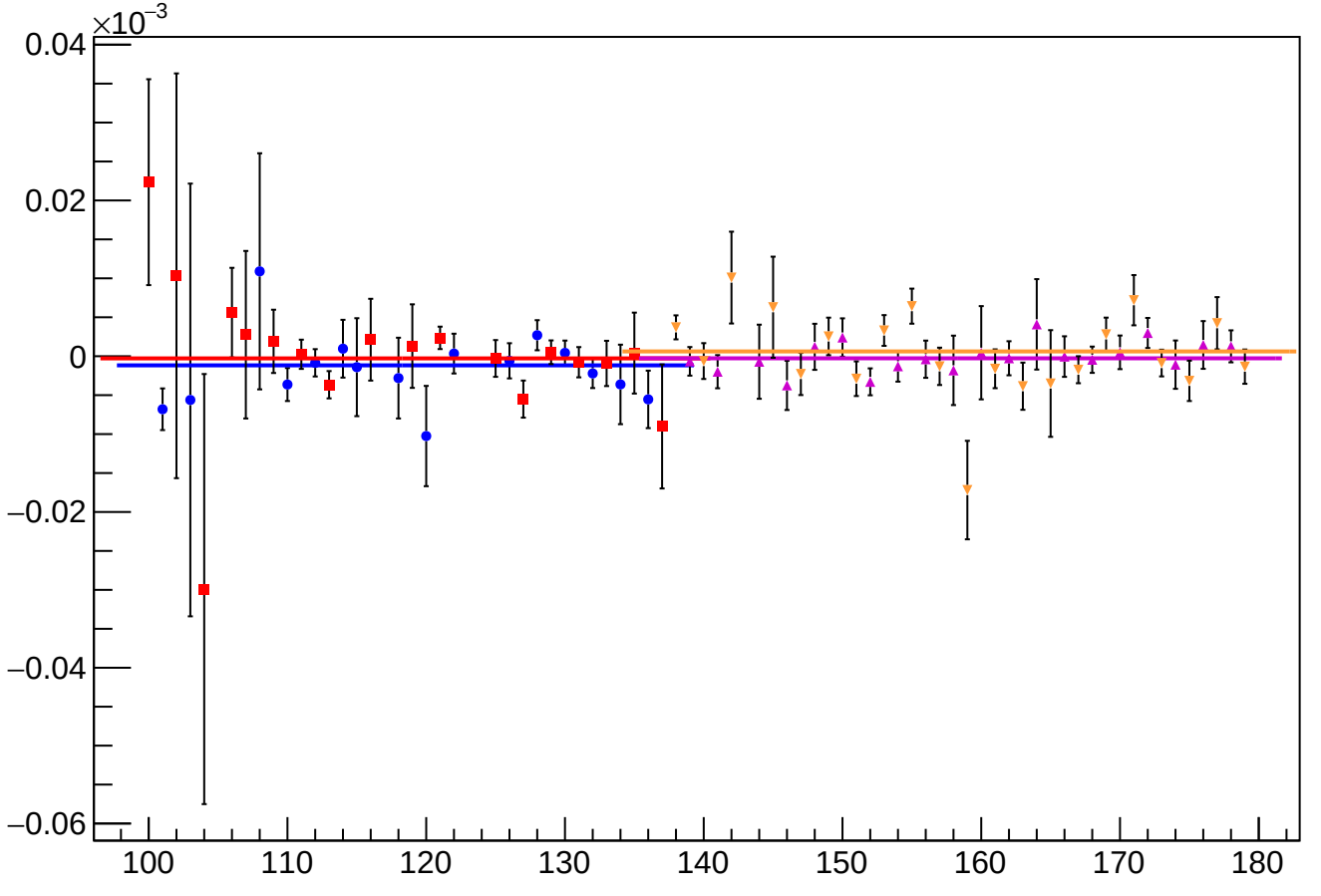
Left: 57.919+/-0.008 χ^2/NDF: 3139934.1/40

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.243+/-0.010 χ^2/NDF:3633942.1/35

Out: 59.709+/-0.010 χ^2/NDF:5210413.1/38

All: 60.472+/-0.007 χ^2/NDF: 8855921.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/19

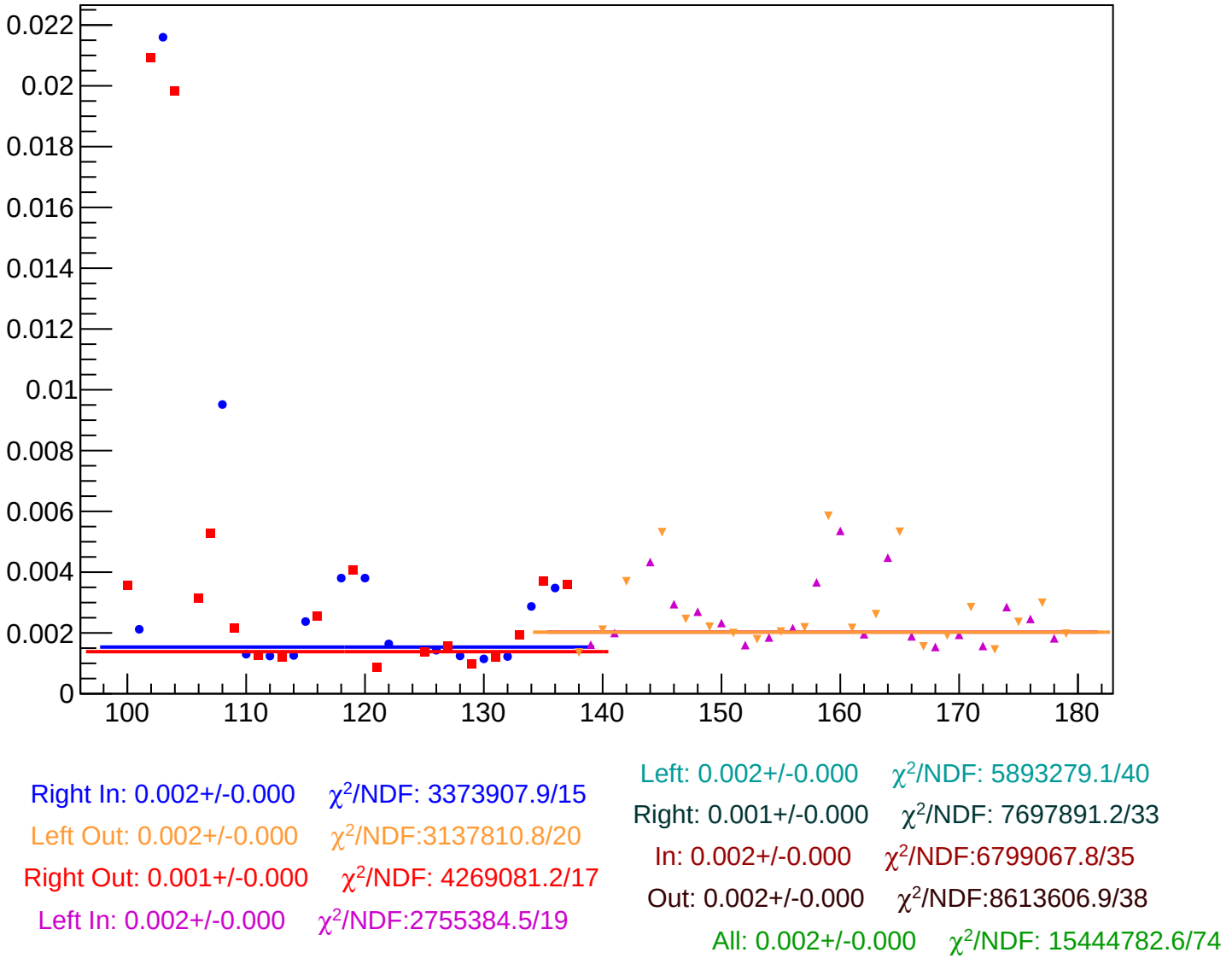
Left: 0.000+/-0.000 χ^2/NDF: 56.9/40

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

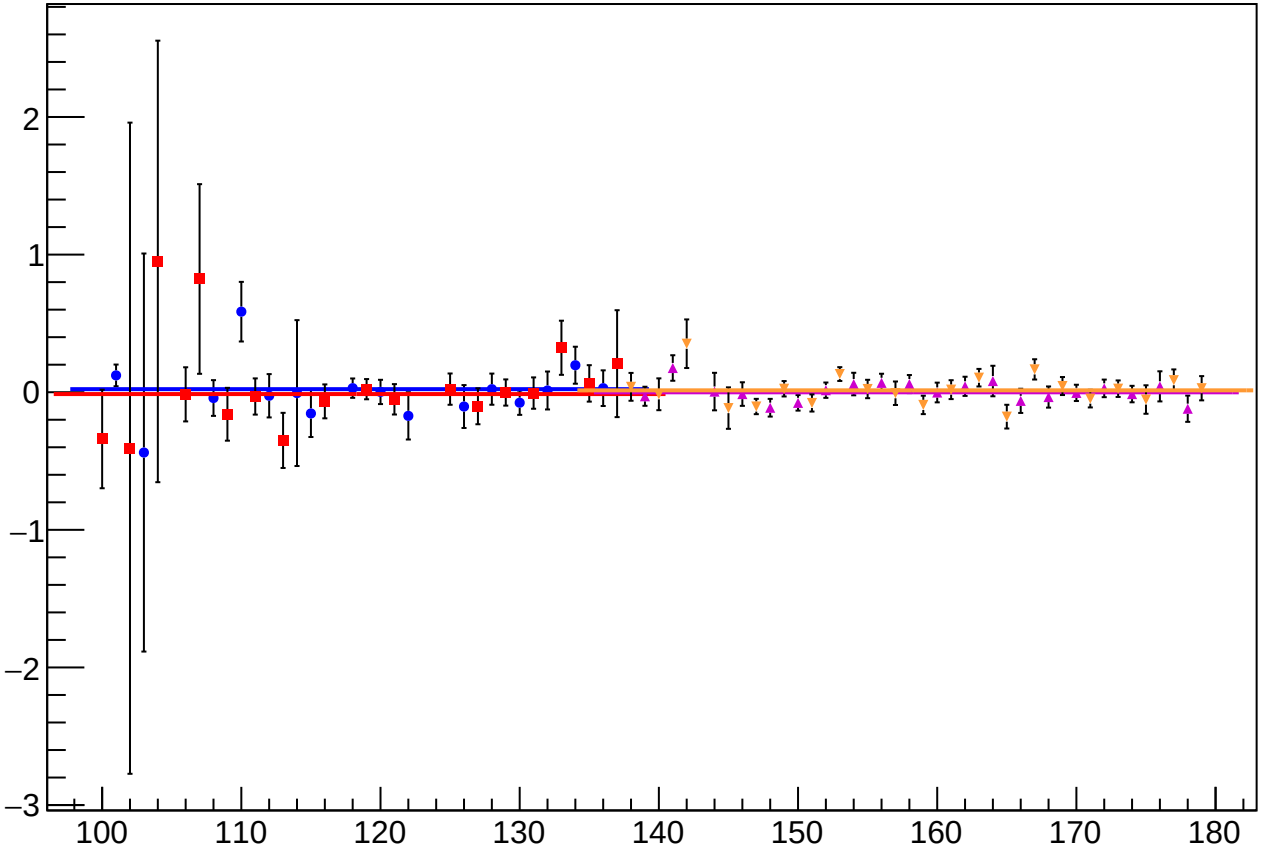
In: -0.000+/-0.000 χ^2/NDF:28.7/35

Out: 0.000+/-0.000 χ^2/NDF:64.9/38

All: -0.000+/-0.000 χ^2/NDF: 95.9/74


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.002+/-0.000 χ²/NDF:3137810.8/20
Right Out: 0.001+/-0.000 χ²/NDF: 4269081.2/17
Left In: 0.002+/-0.000 χ²/NDF:2755384.5/19
Left: 0.002+/-0.000 χ²/NDF: 5893279.1/40
Right: 0.001+/-0.000 χ²/NDF: 7697891.2/33
In: 0.002+/-0.000 χ²/NDF:6799067.8/35
Out: 0.002+/-0.000 χ²/NDF:8613606.9/38
All: 0.002+/-0.000 χ²/NDF: 15444782.6/74

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.8/19

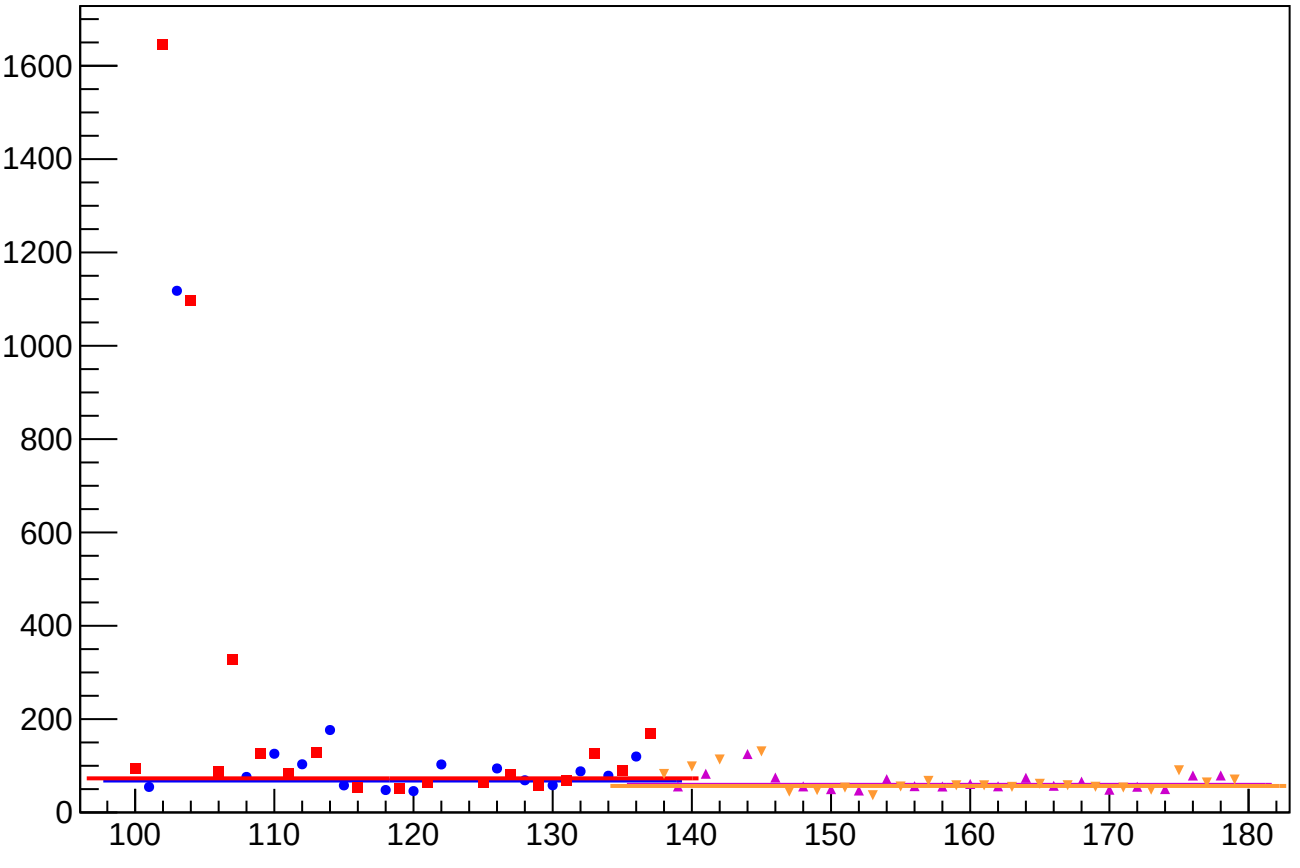
Left: 0.007+/-0.011 χ^2/NDF: 48.4/40

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.007+/-0.010 χ^2/NDF: 74.6/74



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908423.1/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.155+/-0.011 χ^2/NDF:1209191.4/19

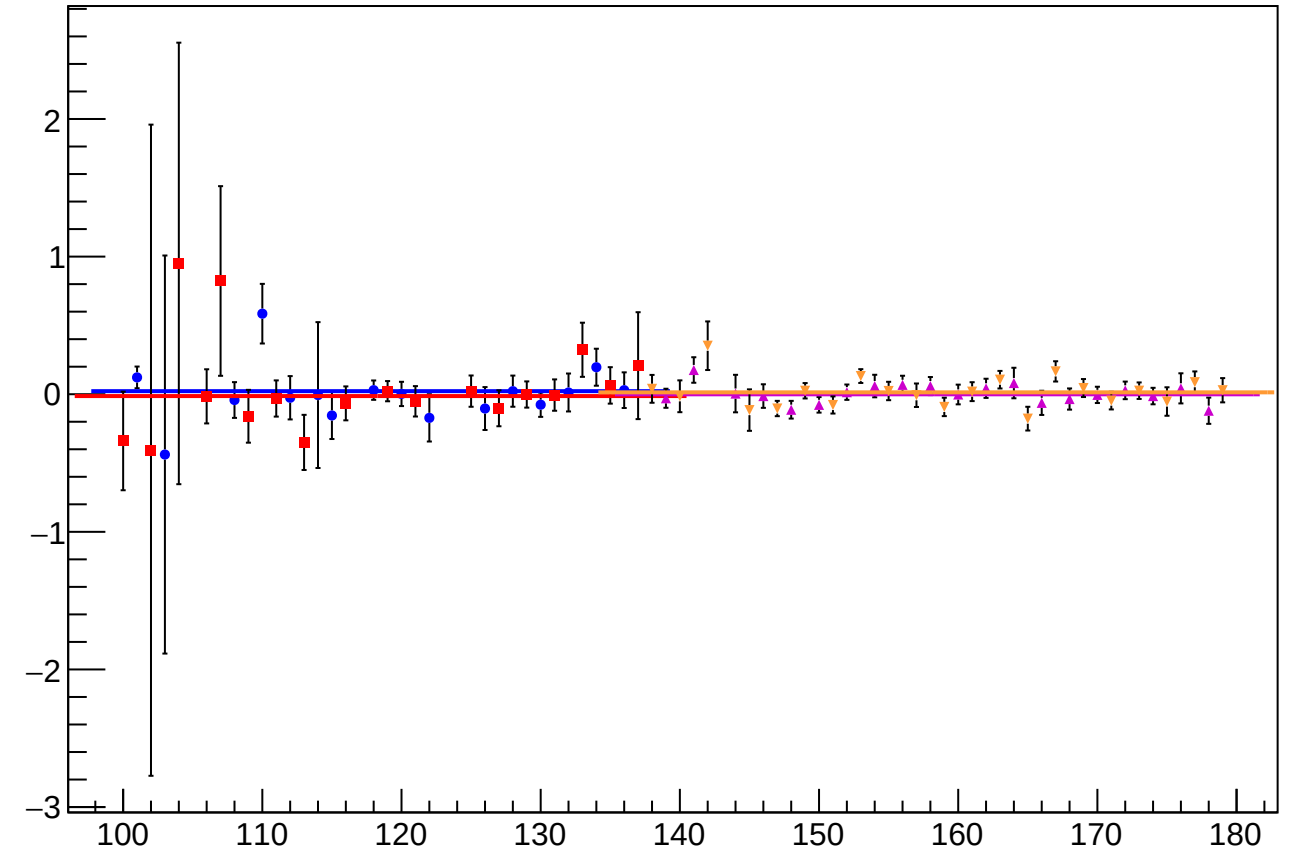
Left: 57.919+/-0.008 χ^2/NDF: 3139987.4/40

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.243+/-0.010 χ^2/NDF:3633969.1/35

Out: 59.709+/-0.010 χ^2/NDF:5210476.2/38

All: 60.472+/-0.007 χ^2/NDF: 8856011.4/74



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.016 χ^2/NDF:33.1/20

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.8/19

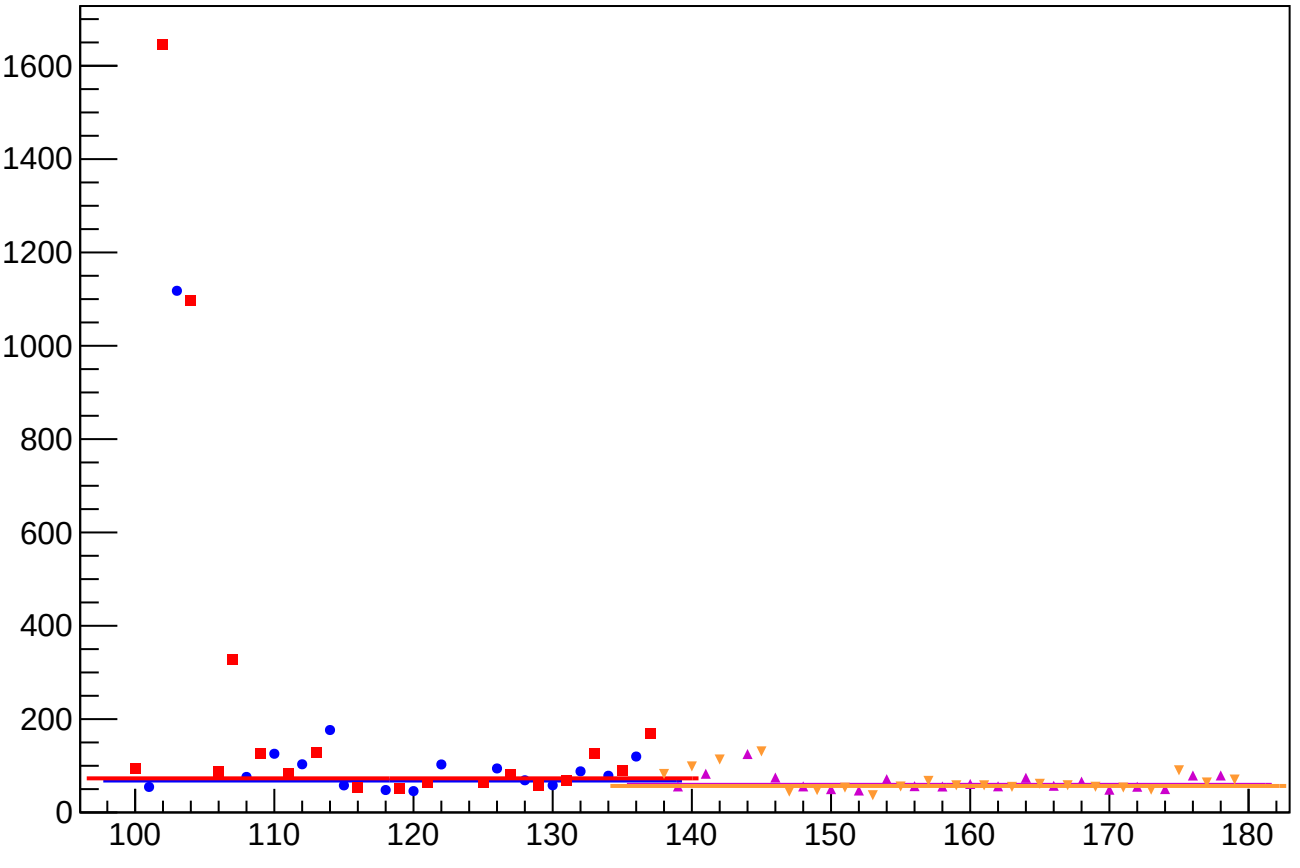
Left: 0.007+/-0.011 χ^2/NDF: 48.4/40

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.009+/-0.014 χ^2/NDF:44.5/38

All: 0.007+/-0.010 χ^2/NDF: 74.6/74



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.763+/-0.011 χ^2/NDF:1908423.1/20

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.155+/-0.011 χ^2/NDF:1209191.4/19

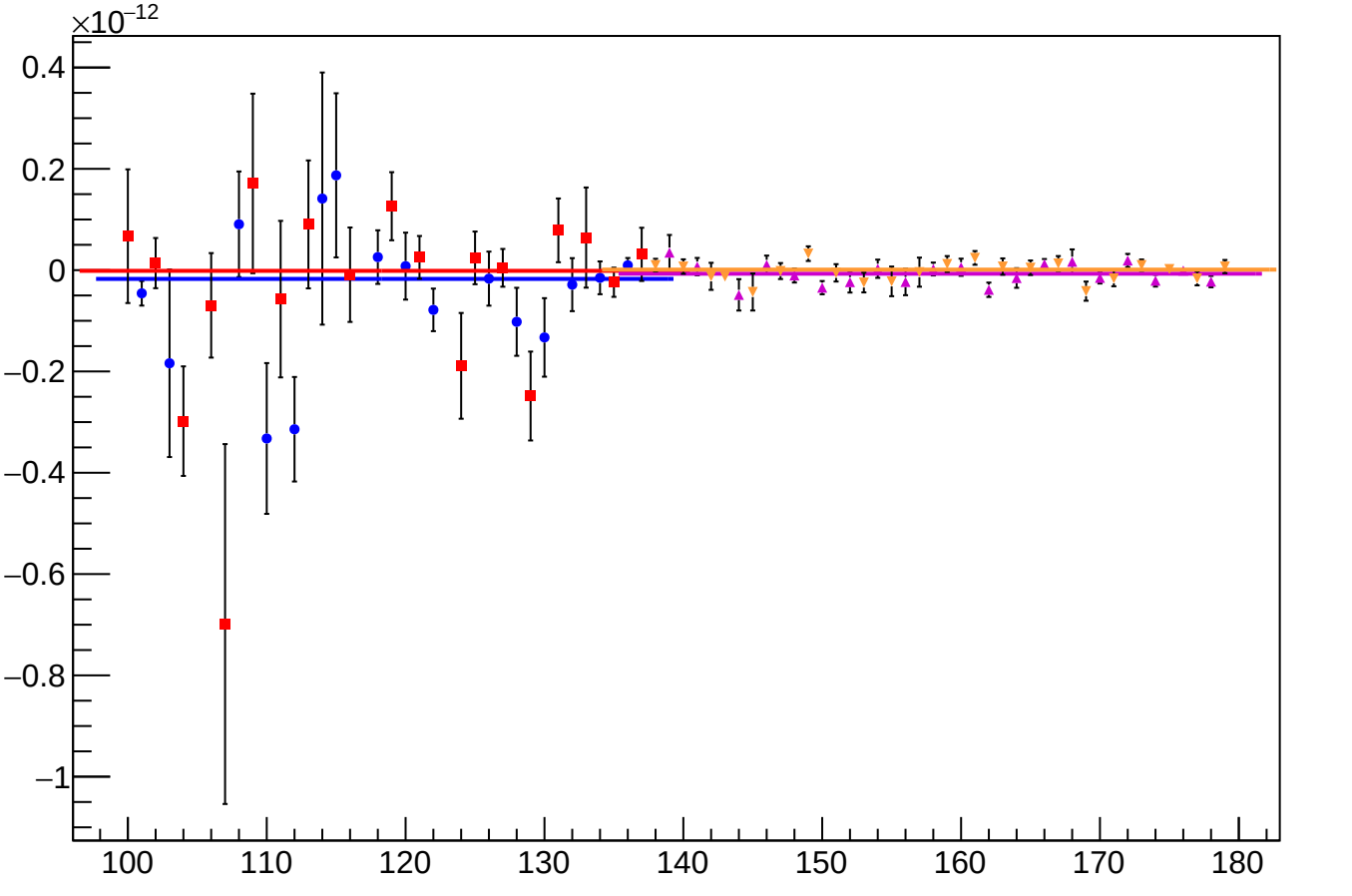
Left: 57.919+/-0.008 χ^2/NDF: 3139987.4/40

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.243+/-0.010 χ^2/NDF:3633969.1/35

Out: 59.709+/-0.010 χ^2/NDF:5210476.2/38

All: 60.472+/-0.007 χ^2/NDF: 8856011.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:29.8/19

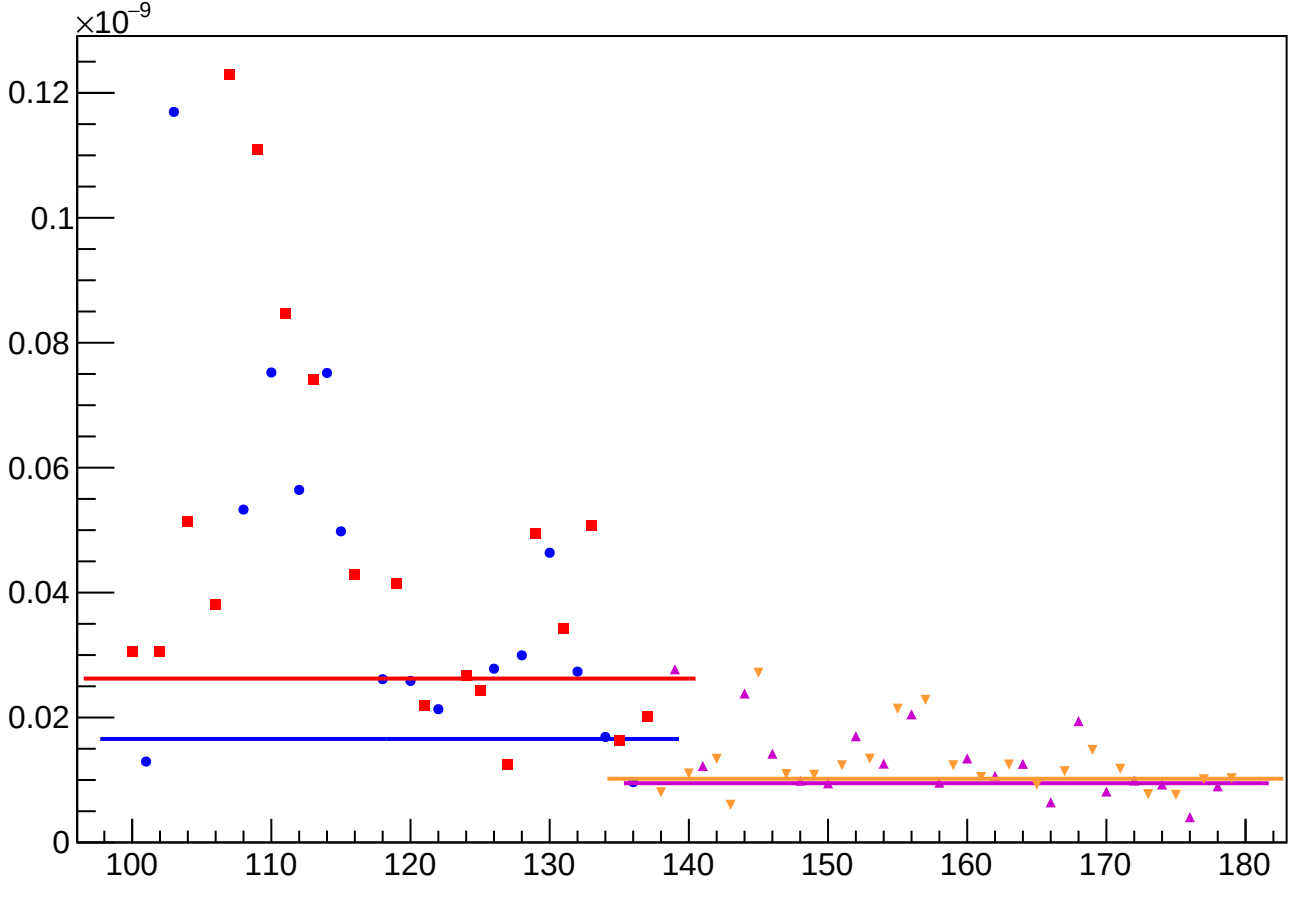
Left: -0.000+/-0.000 χ^2/NDF: 58.0/41

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:59.0/35

Out: 0.000+/-0.000 χ^2/NDF:57.1/40

All: -0.000+/-0.000 χ^2/NDF: 120.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187196.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3669734.6/19

Left: 0.000+/-0.000 χ^2/NDF: 5909759.6/41

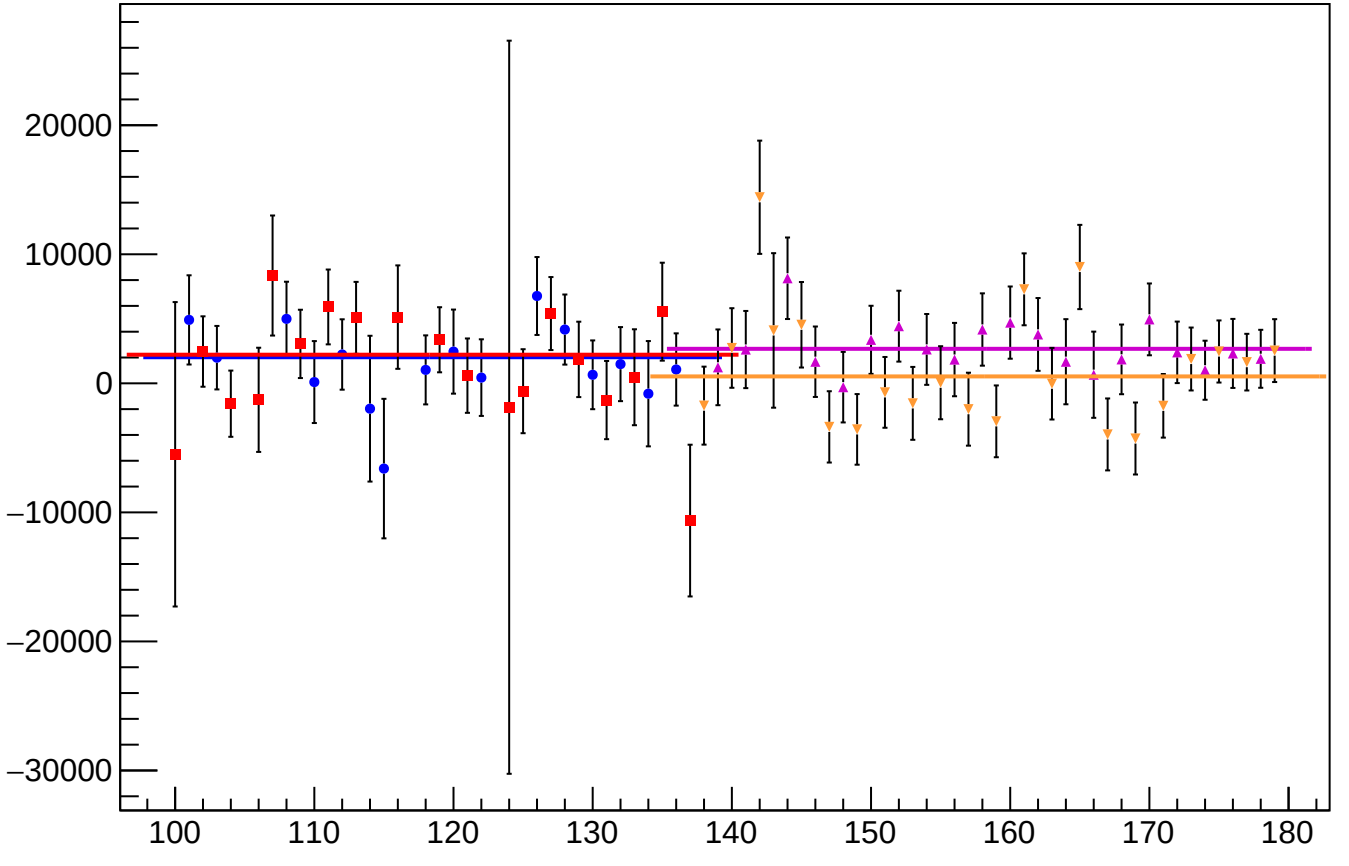
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:7409523.0/35

Out: 0.000+/-0.000 χ^2/NDF:6947590.8/40

All: 0.000+/-0.000 χ^2/NDF: 14431375.1/76

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.499+/-599.841 χ^2/NDF:41.3/21

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2673.606+/-612.816 χ^2/NDF:8.0/19

Left: 1581.678+/-428.665 χ^2/NDF: 55.5/41

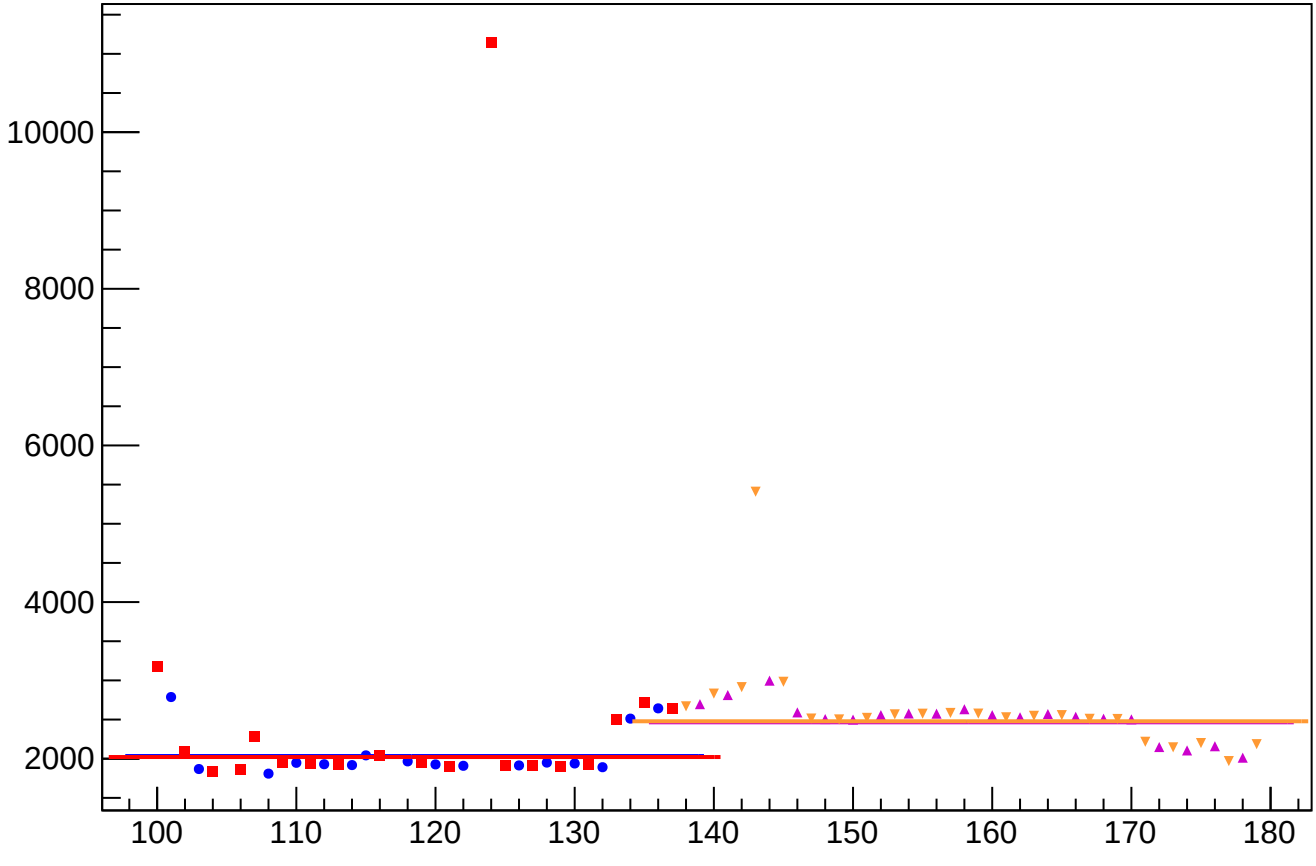
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2418.917+/-478.123 χ^2/NDF:18.0/35

Out: 1185.072+/-469.930 χ^2/NDF:62.4/40

All: 1791.333+/-335.150 χ^2/NDF: 83.8/76

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

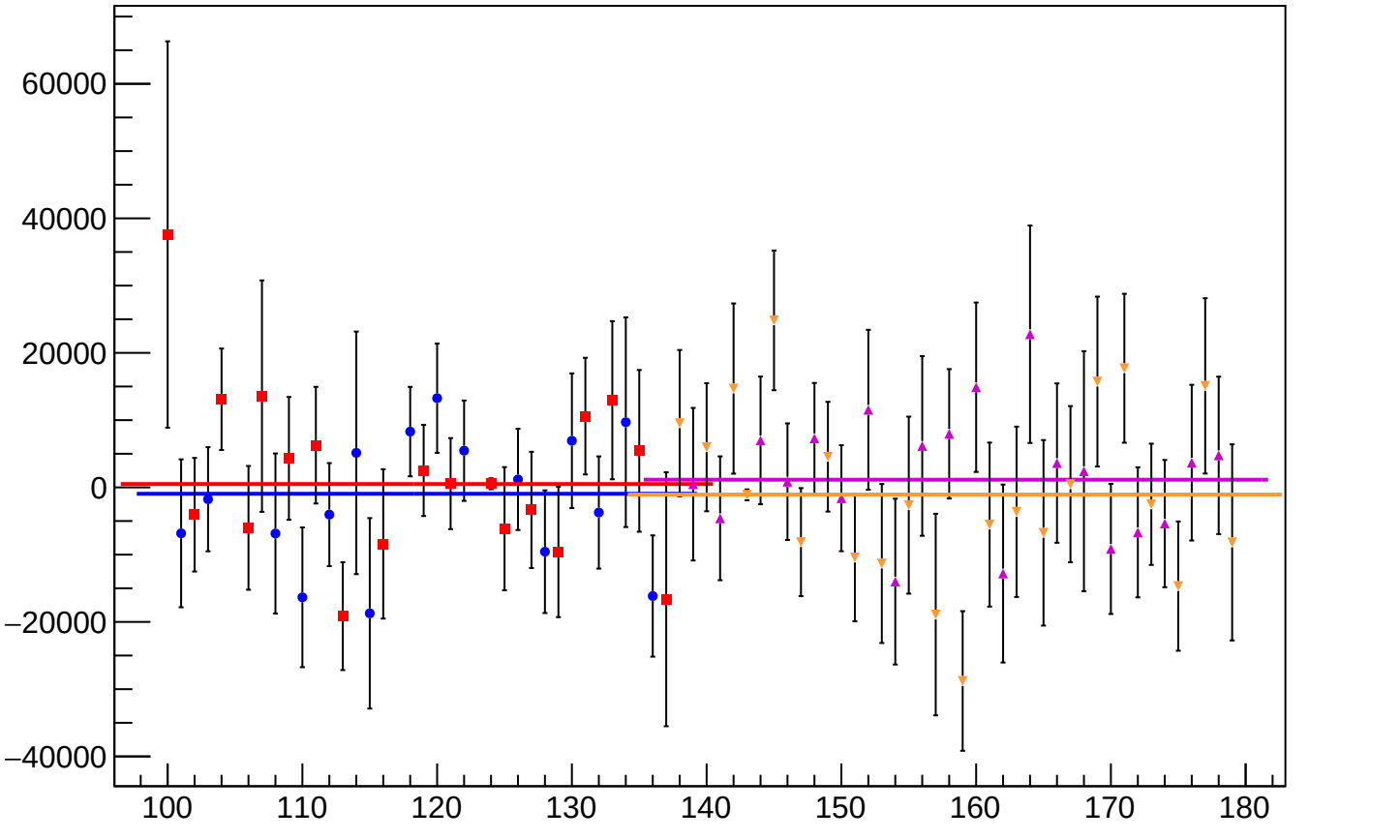
Left: 2471.527+/-0.303 χ^2/NDF: 1132418.4/41

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2296.266+/-0.338 χ^2/NDF:964767.8/35

Out: 2301.712+/-0.332 χ^2/NDF:1654167.6/40

All: 2299.036+/-0.237 χ^2/NDF: 2619067.3/76



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1071.511+/-764.249 χ^2/NDF:29.6/21

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 1144.148+/-2368.007 χ^2/NDF:10.9/19

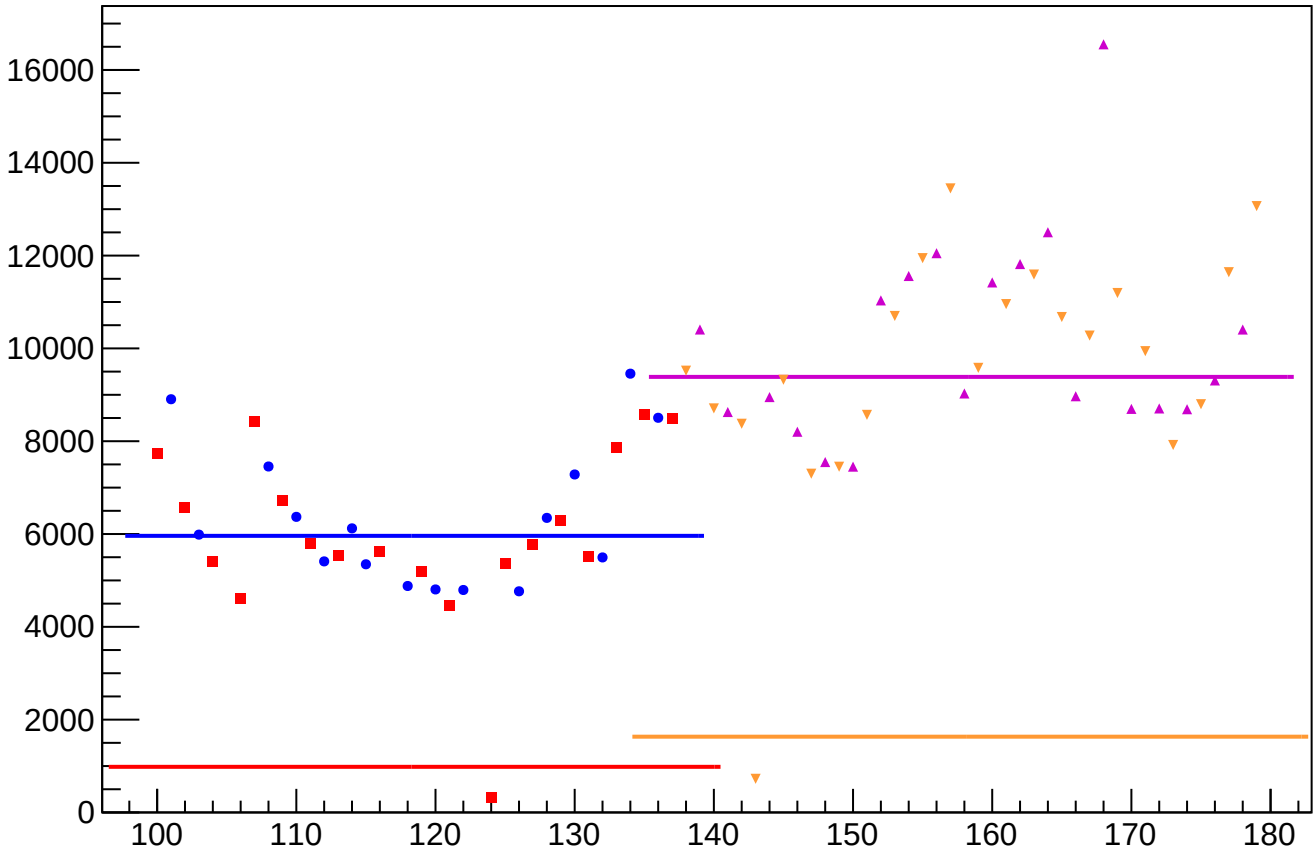
Left: -862.497+/-727.309 χ^2/NDF: 41.3/41

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 56.494+/-1641.886 χ^2/NDF:26.7/35

Out: -291.215+/-541.828 χ^2/NDF:50.2/40

All: -257.068+/-514.534 χ^2/NDF: 76.9/76



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1632.889+/-0.540 χ^2/NDF:25401035.6/21

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9386.245+/-1.674 χ^2/NDF:1039514.7/19

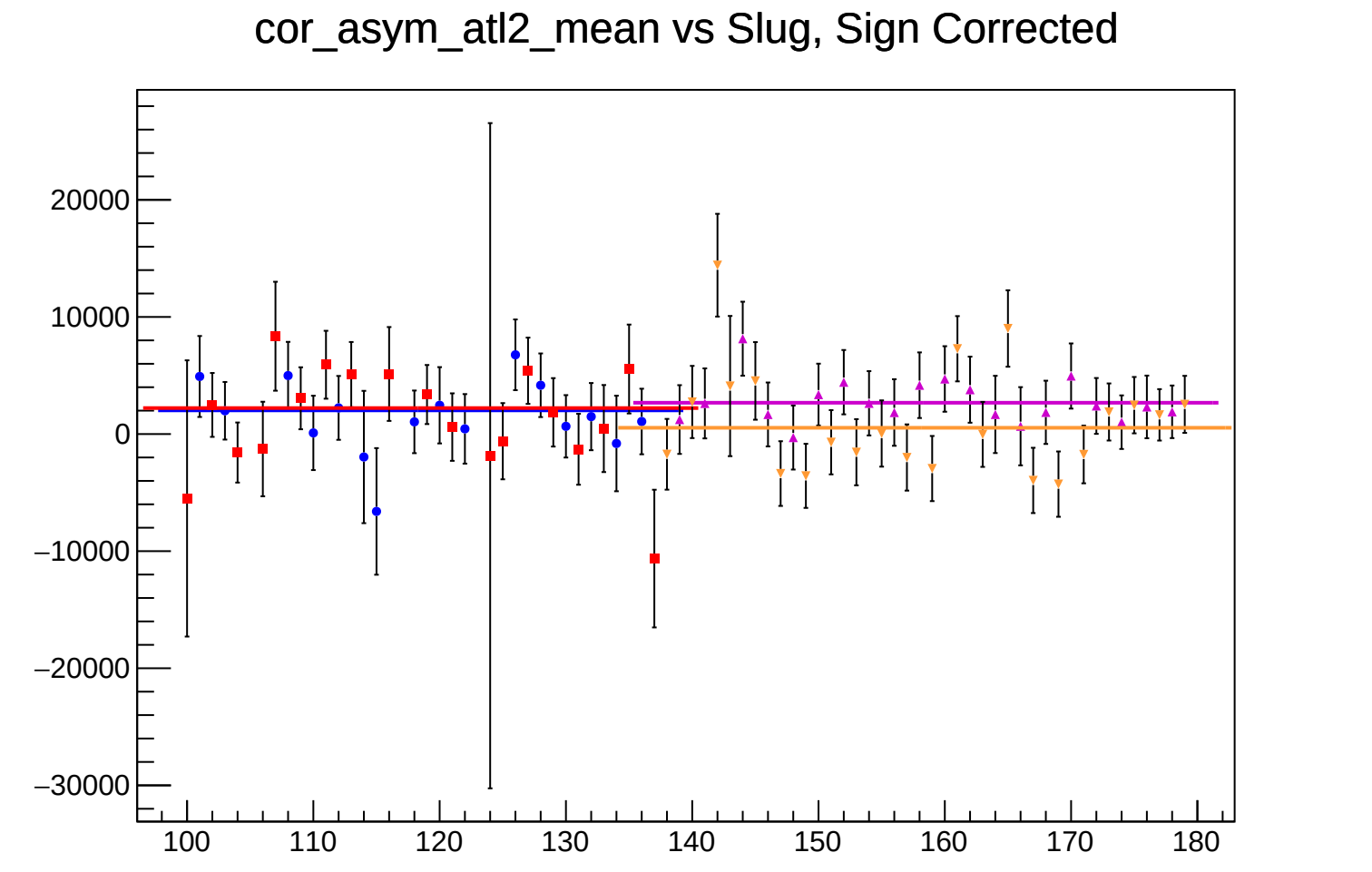
Left: 2364.300+/-0.514 χ^2/NDF: 45858849.8/41

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7607.587+/-1.161 χ^2/NDF:3901850.8/35

Out: 1309.814+/-0.383 χ^2/NDF:37536333.2/40

All: 1928.300+/-0.364 χ^2/NDF: 67973530.6/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2673.562+/-612.816 χ^2/NDF:8.0/19

Left: 1581.635+/-428.665 χ^2/NDF: 55.5/41

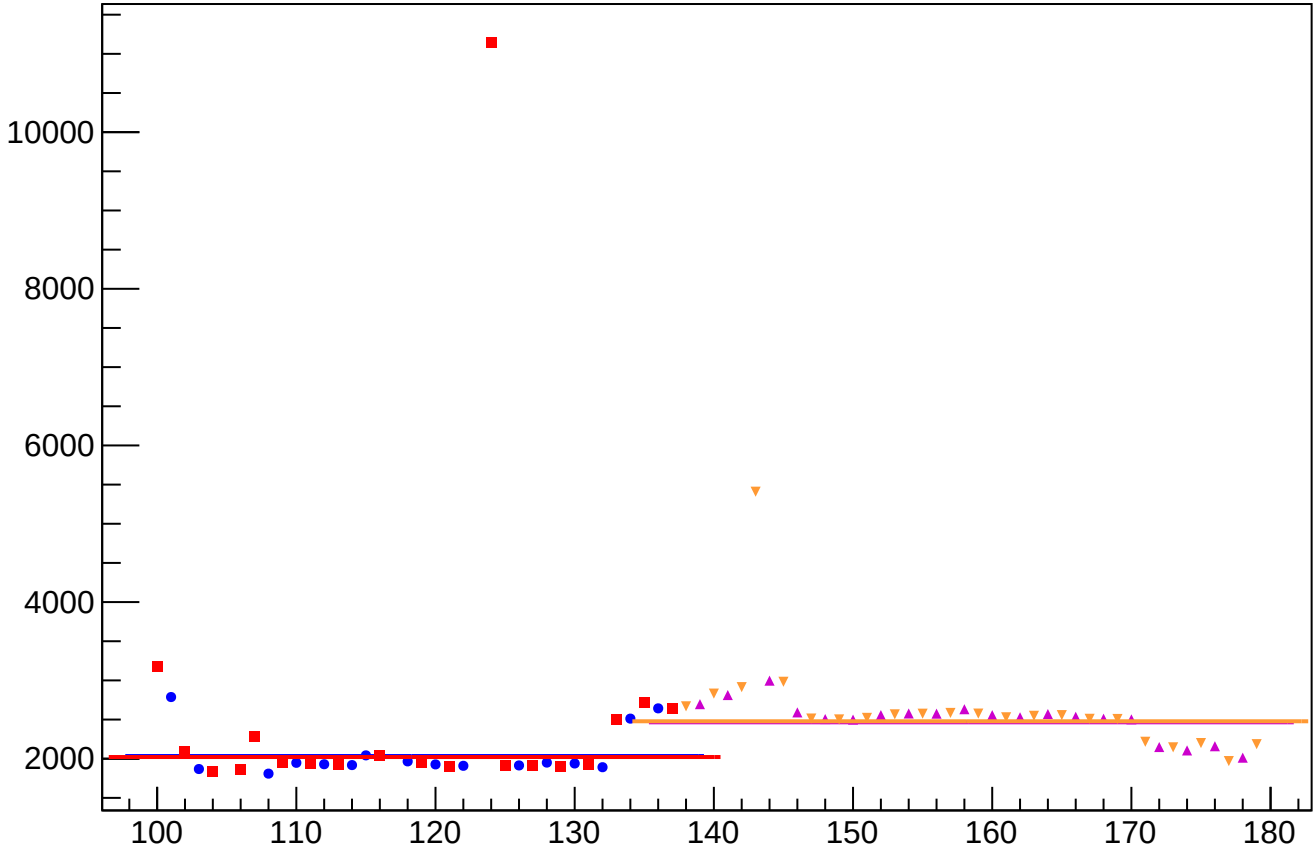
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2418.939+/-478.123 χ^2/NDF:18.0/35

Out: 1185.747+/-469.932 χ^2/NDF:62.4/40

All: 1791.690+/-335.151 χ^2/NDF: 83.9/76

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

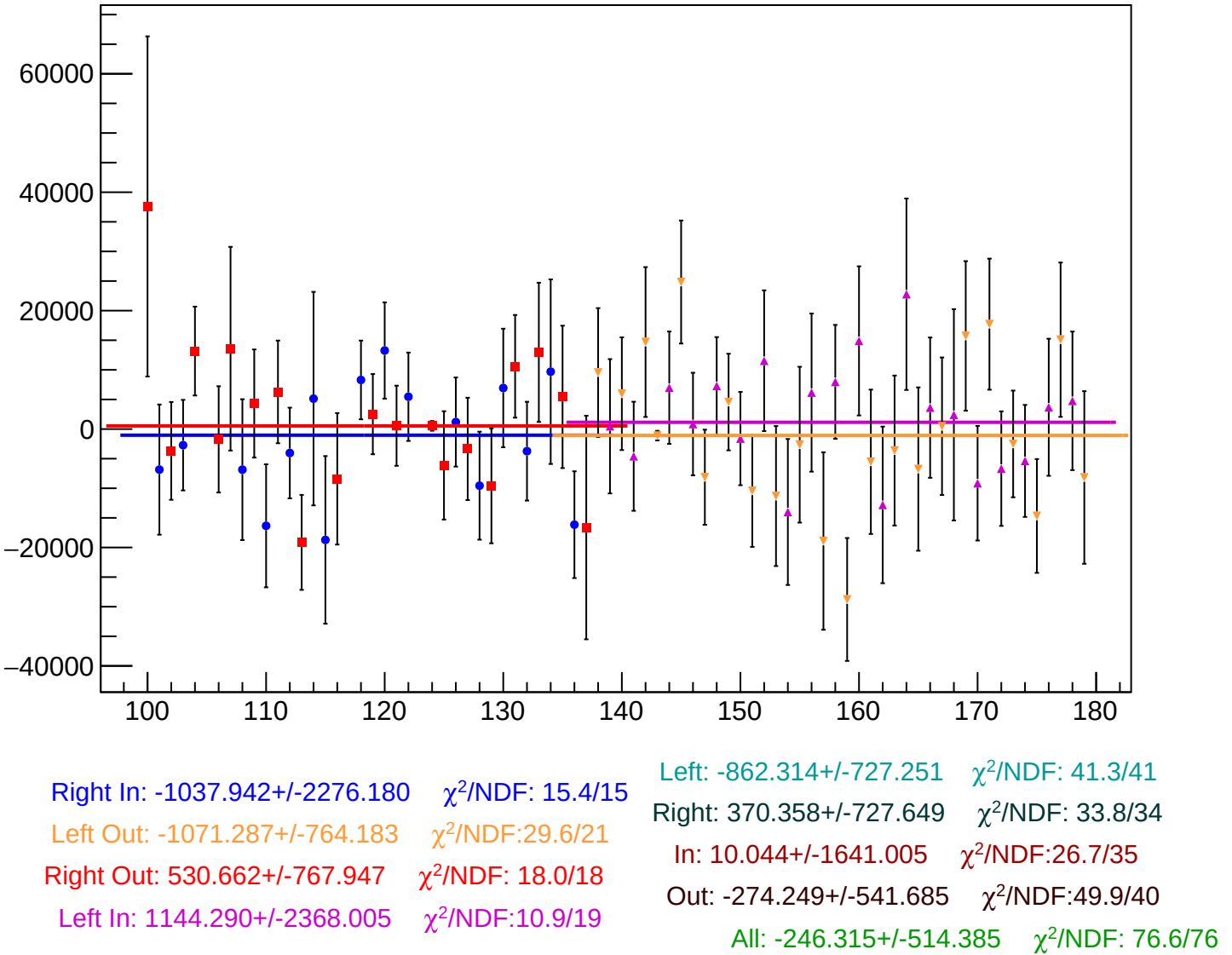
Left: 2471.527+/-0.303 χ^2/NDF: 1132418.4/41

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2296.266+/-0.338 χ^2/NDF:964767.9/35

Out: 2301.722+/-0.332 χ^2/NDF:1654131.6/40

All: 2299.041+/-0.237 χ^2/NDF: 2619031.9/76


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
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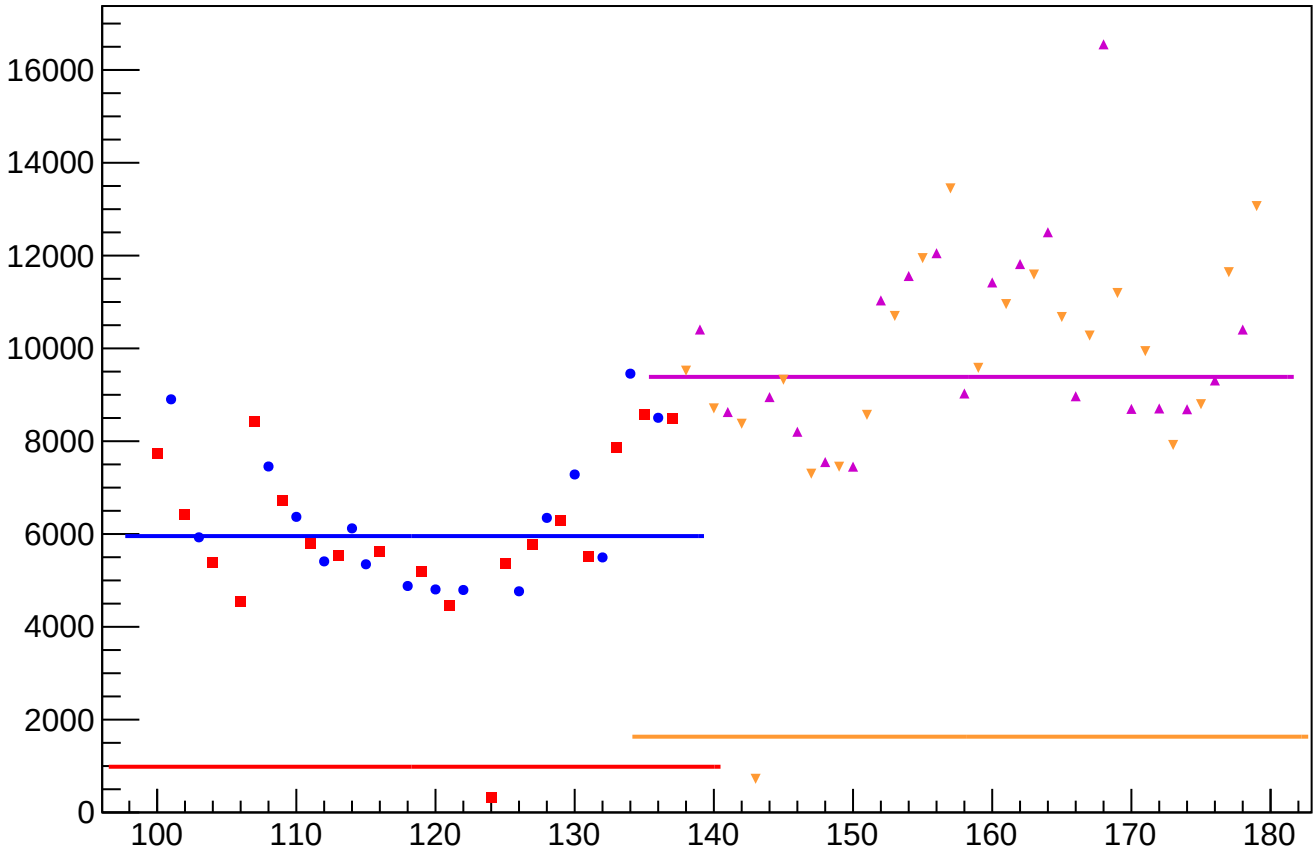
180
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1071.287+/-764.183 χ²/NDF:29.6/21
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 1144.290+/-2368.005 χ²/NDF:10.9/19
Left: -862.314+/-727.251 χ²/NDF: 41.3/41
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 10.044+/-1641.005 χ²/NDF:26.7/35
Out: -274.249+/-541.685 χ²/NDF:49.9/40
All: -246.315+/-514.385 χ²/NDF: 76.6/76



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

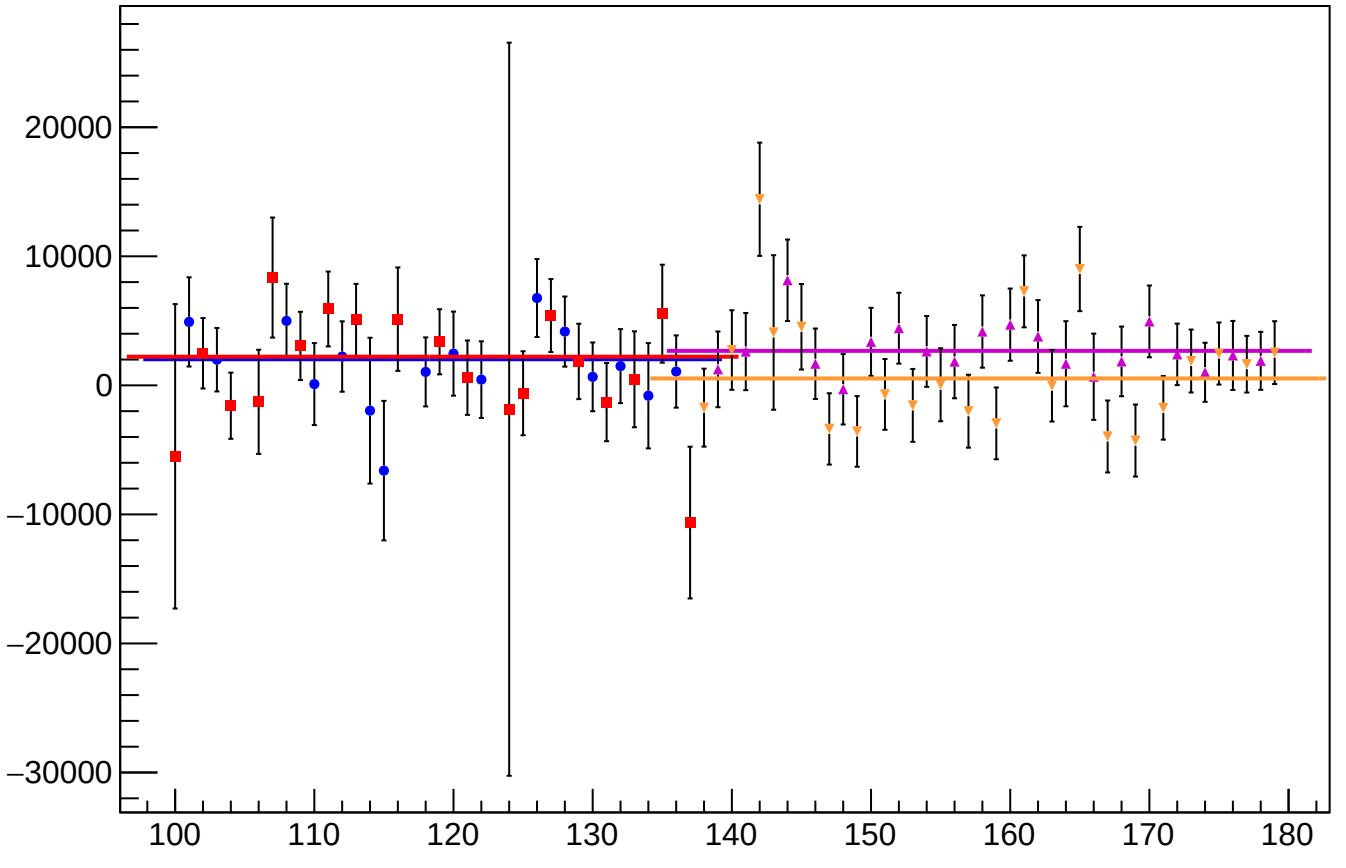
Left: 2363.987+/-0.514 χ^2/NDF: 45861133.5/41

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7603.134+/-1.160 χ^2/NDF:3910441.2/35

Out: 1310.448+/-0.383 χ^2/NDF:37529437.7/40

All: 1928.740+/-0.364 χ^2/NDF: 67959411.4/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 535.456+/-599.841 χ^2/NDF:41.3/21

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2673.562+/-612.816 χ^2/NDF:8.0/19

Left: 1581.635+/-428.665 χ^2/NDF: 55.5/41

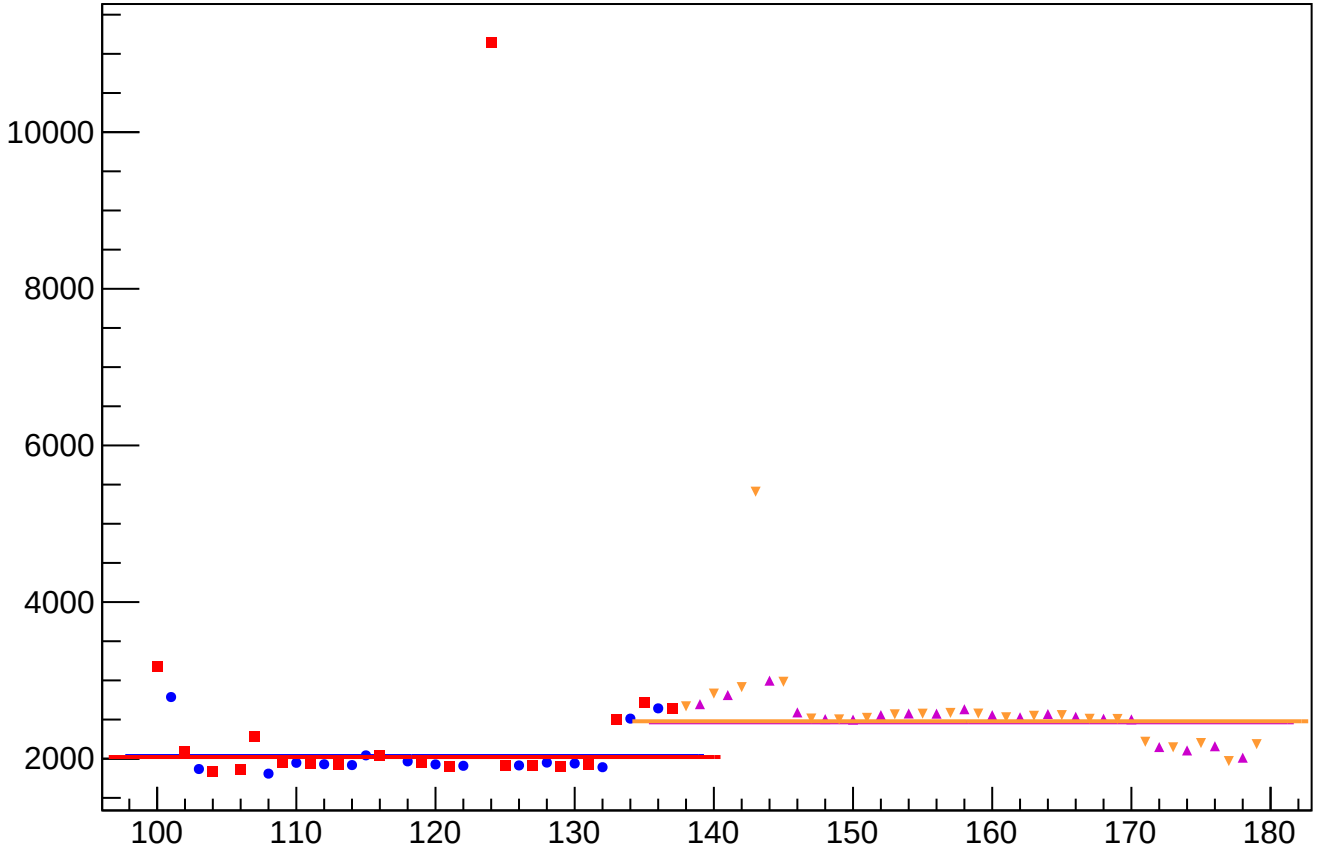
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2418.939+/-478.123 χ^2/NDF:18.0/35

Out: 1185.747+/-469.932 χ^2/NDF:62.4/40

All: 1791.690+/-335.151 χ^2/NDF: 83.9/76

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2478.025+/-0.424 χ^2/NDF:816477.8/21

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2464.745+/-0.433 χ^2/NDF:315461.0/19

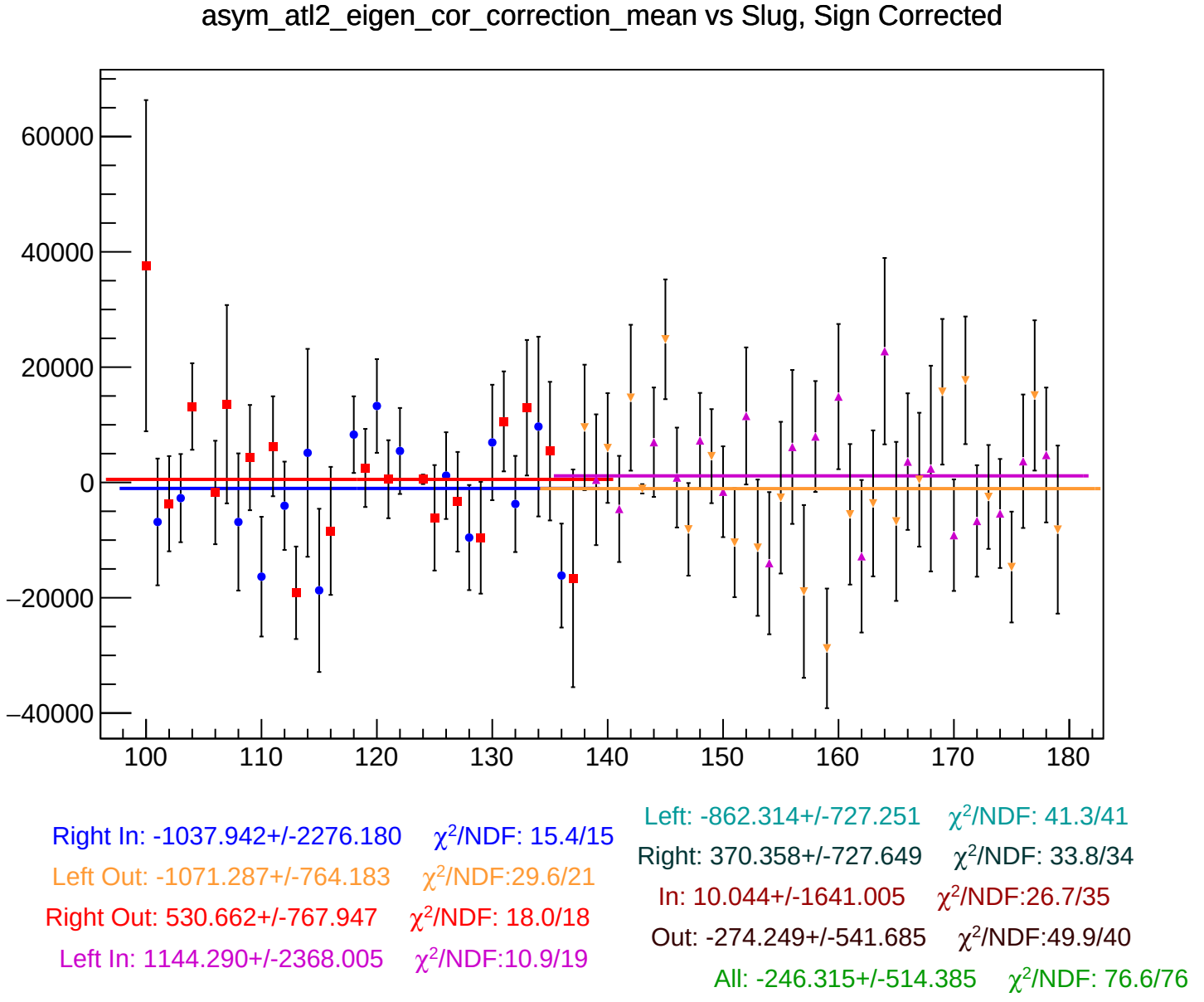
Left: 2471.527+/-0.303 χ^2/NDF: 1132418.4/41

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2296.266+/-0.338 χ^2/NDF:964767.9/35

Out: 2301.722+/-0.332 χ^2/NDF:1654131.6/40

All: 2299.041+/-0.237 χ^2/NDF: 2619031.9/76


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
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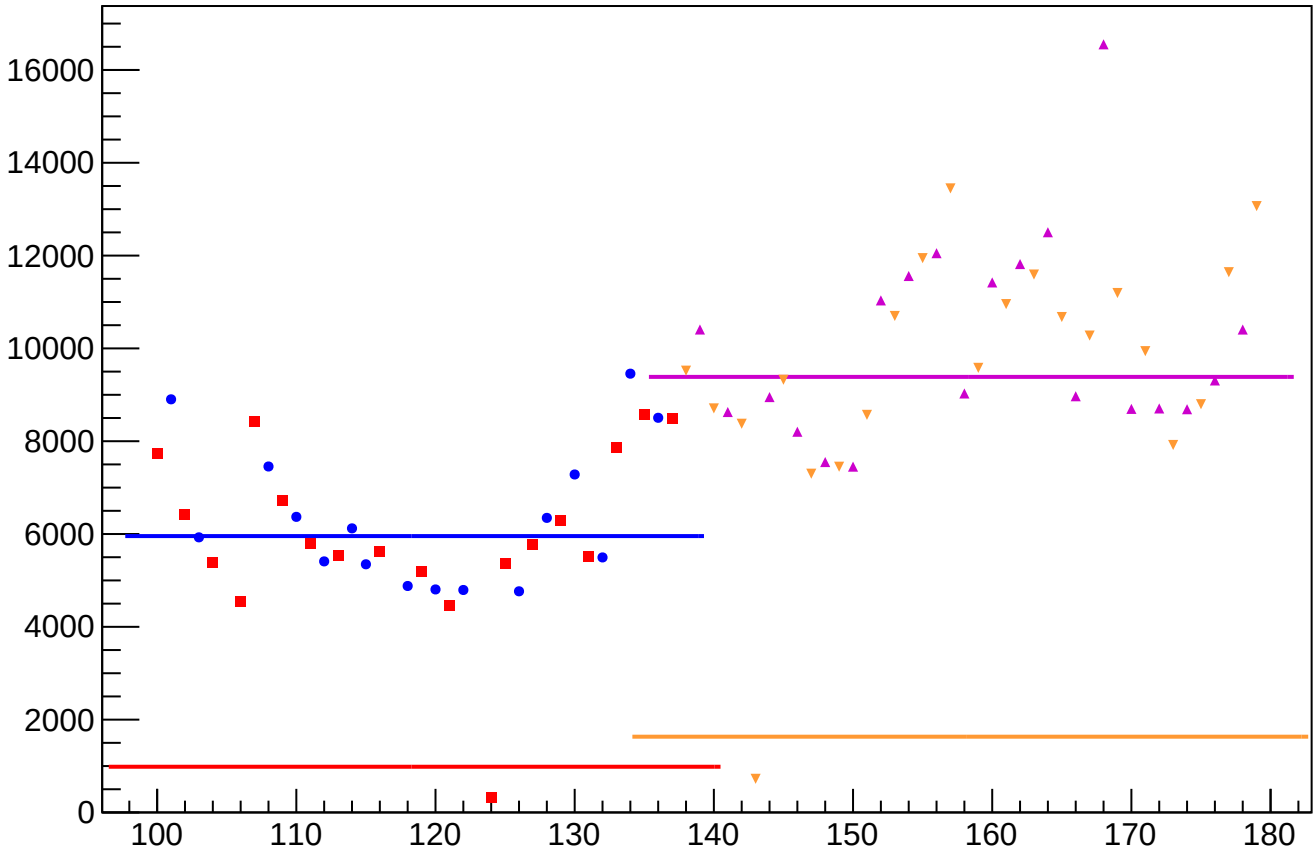
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1071.287+/-764.183 χ²/NDF:29.6/21
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 1144.290+/-2368.005 χ²/NDF:10.9/19
Left: -862.314+/-727.251 χ²/NDF: 41.3/41
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 10.044+/-1641.005 χ²/NDF:26.7/35
Out: -274.249+/-541.685 χ²/NDF:49.9/40
All: -246.315+/-514.385 χ²/NDF: 76.6/76



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1632.670+/-0.540 χ^2/NDF:25401910.8/21

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

Left: 2363.987+/-0.514 χ^2/NDF: 45861133.5/41

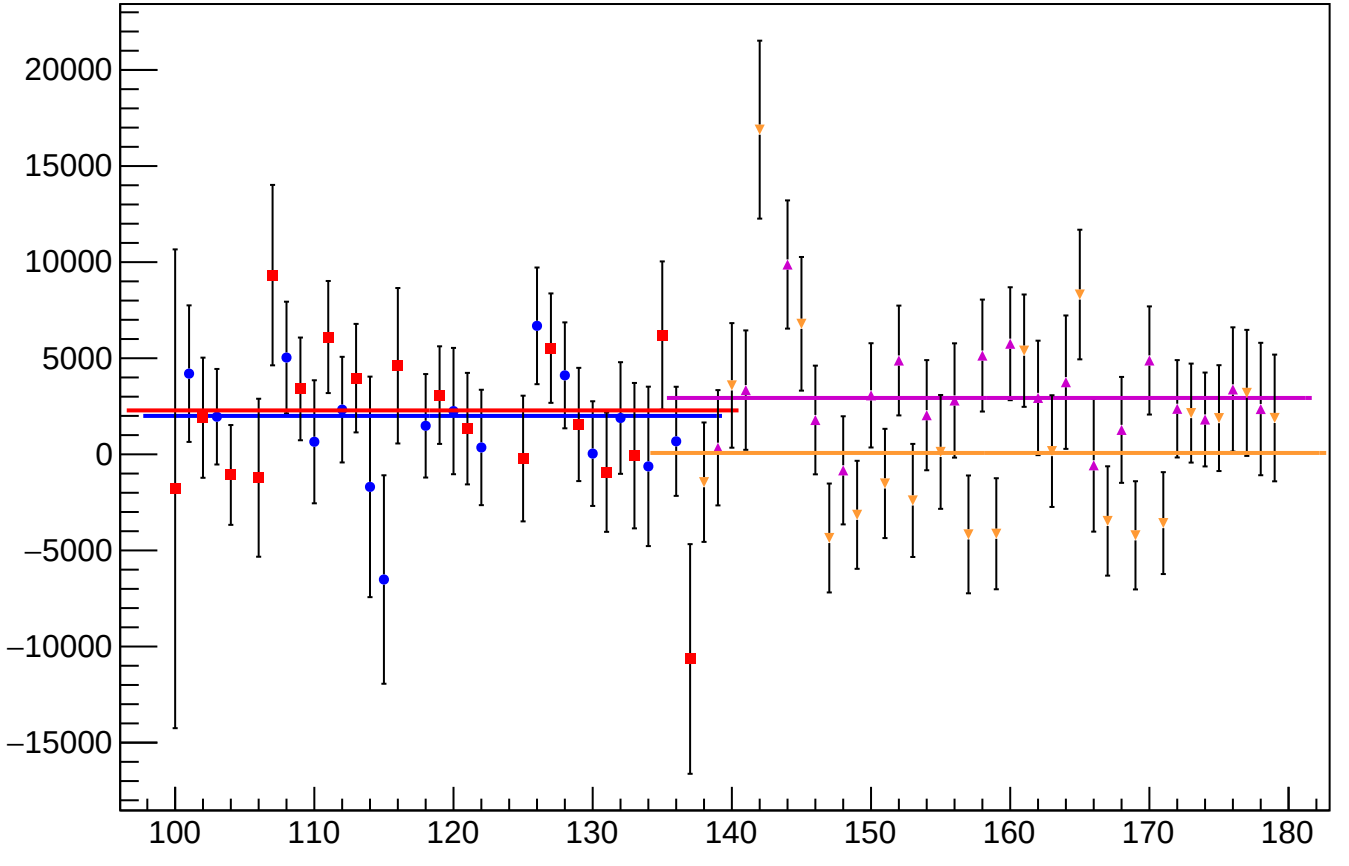
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7603.134+/-1.160 χ^2/NDF:3910441.2/35

Out: 1310.448+/-0.383 χ^2/NDF:37529437.7/40

All: 1928.740+/-0.364 χ^2/NDF: 67959411.4/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 71.966+/-653.438 χ^2/NDF:44.5/20

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2933.514+/-655.937 χ^2/NDF:11.4/19

Left: 1497.277+/-462.931 χ^2/NDF: 65.4/40

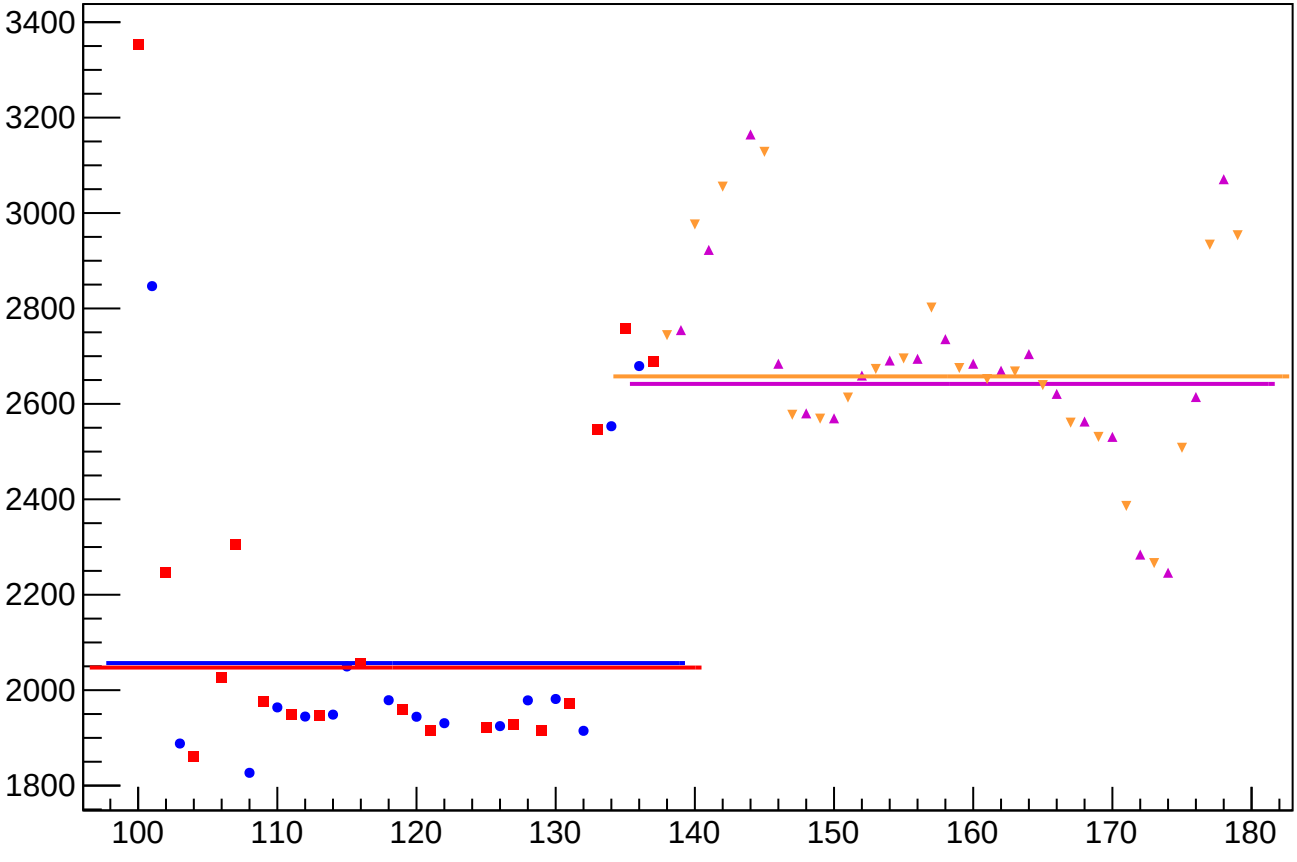
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2542.710+/-500.285 χ^2/NDF:21.2/35

Out: 997.031+/-498.570 χ^2/NDF:66.0/38

All: 1767.217+/-353.147 χ^2/NDF: 91.9/74

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.627+/-0.462 χ^2/NDF:191023.2/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2641.877+/-0.464 χ^2/NDF:204098.4/19

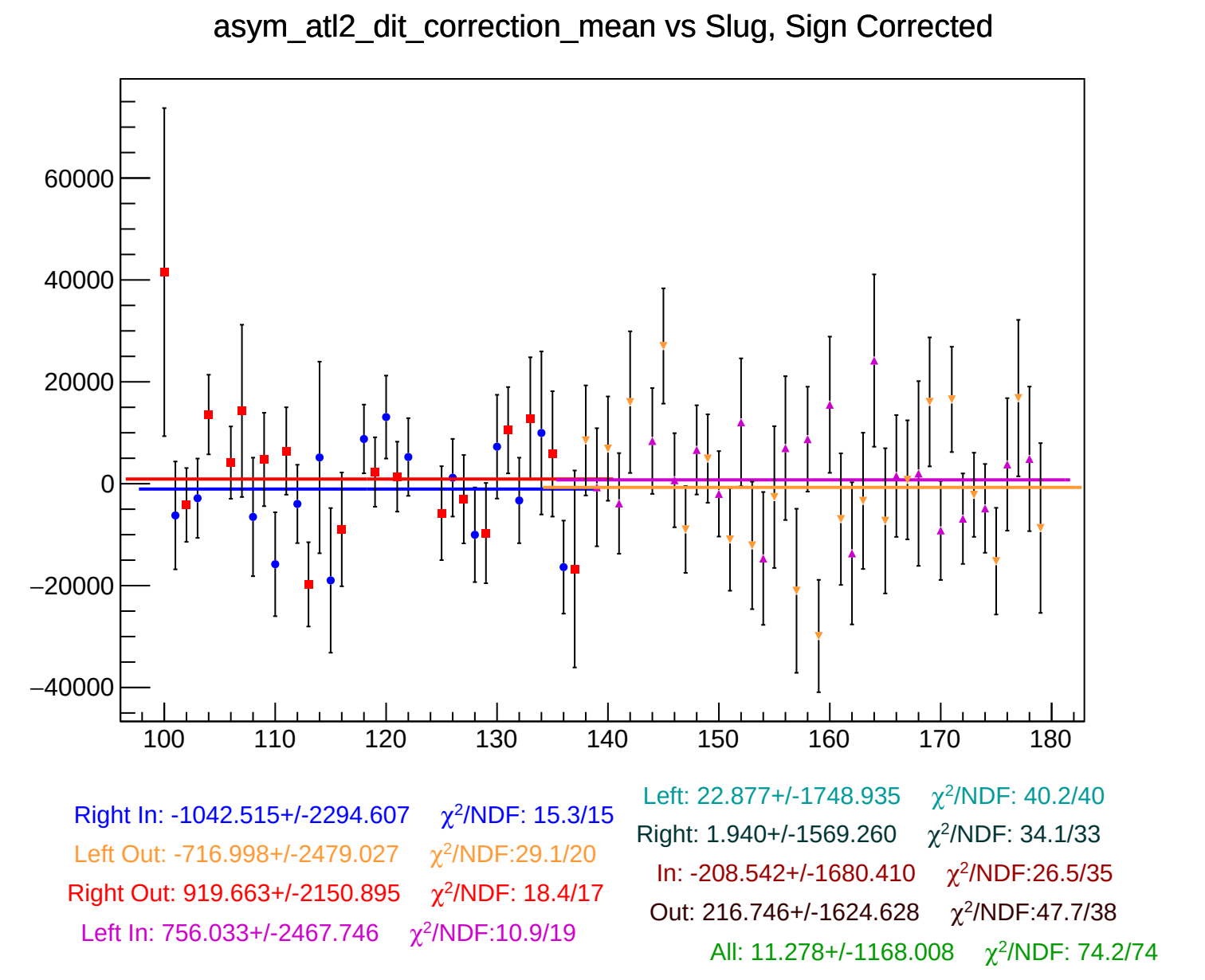
Left: 2649.782+/-0.327 χ^2/NDF: 395700.4/40

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2397.146+/-0.354 χ^2/NDF:1140148.6/35

Out: 2402.203+/-0.352 χ^2/NDF:1117633.9/38

All: 2399.685+/-0.250 χ^2/NDF: 2257885.0/74


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
60000
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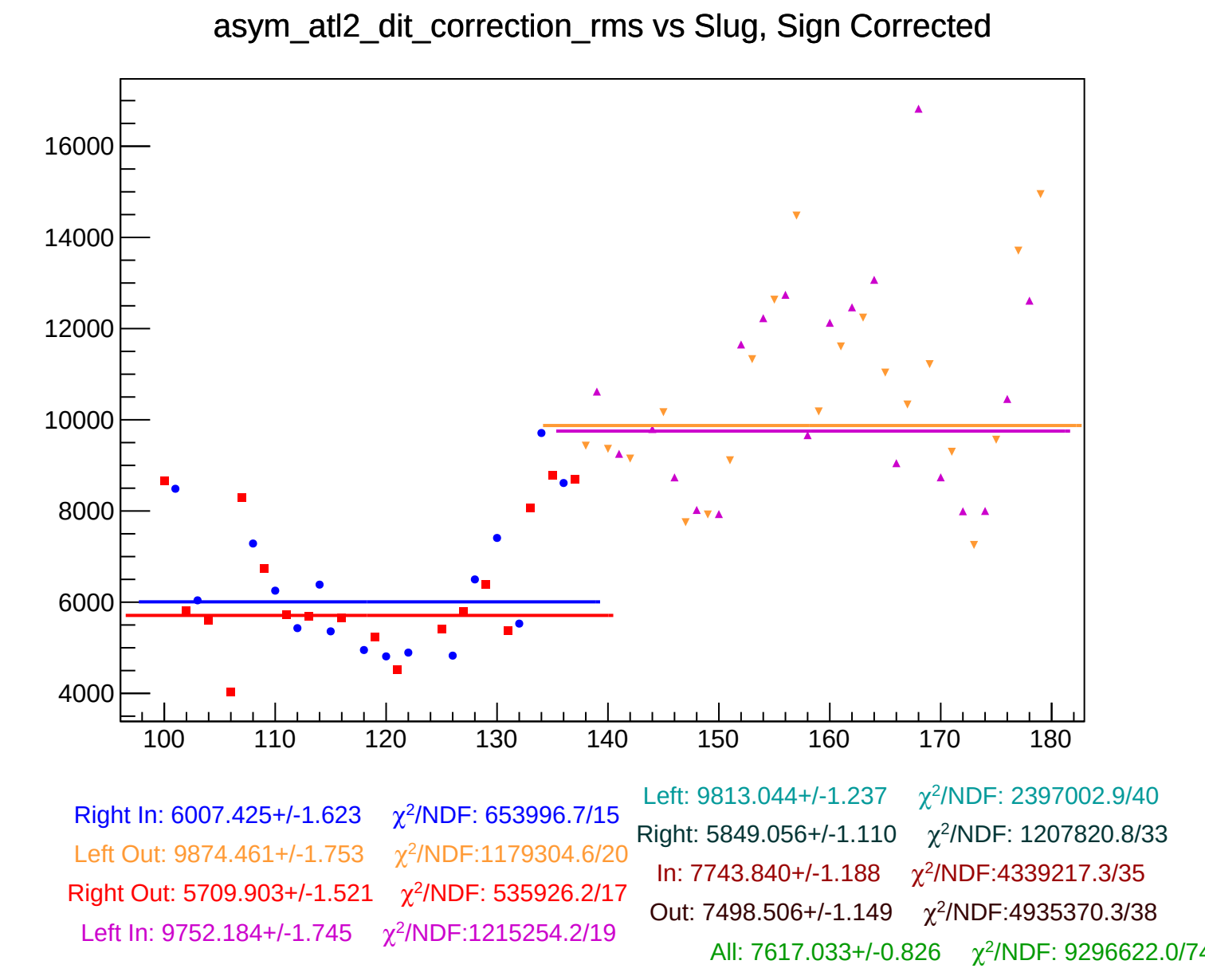
170
180
Right In: -1042.515+/-2294.607 χ²/NDF: 15.3/15
Left Out: -716.998+/-2479.027 χ²/NDF:29.1/20
Right Out: 919.663+/-2150.895 χ²/NDF: 18.4/17
Left In: 756.033+/-2467.746 χ²/NDF:10.9/19
Left: 22.877+/-1748.935 χ²/NDF: 40.2/40
Right: 1.940+/-1569.260 χ²/NDF: 34.1/33
In: -208.542+/-1680.410 χ²/NDF:26.5/35
Out: 216.746+/-1624.628 χ²/NDF:47.7/38
All: 11.278+/-1168.008 χ²/NDF: 74.2/74


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
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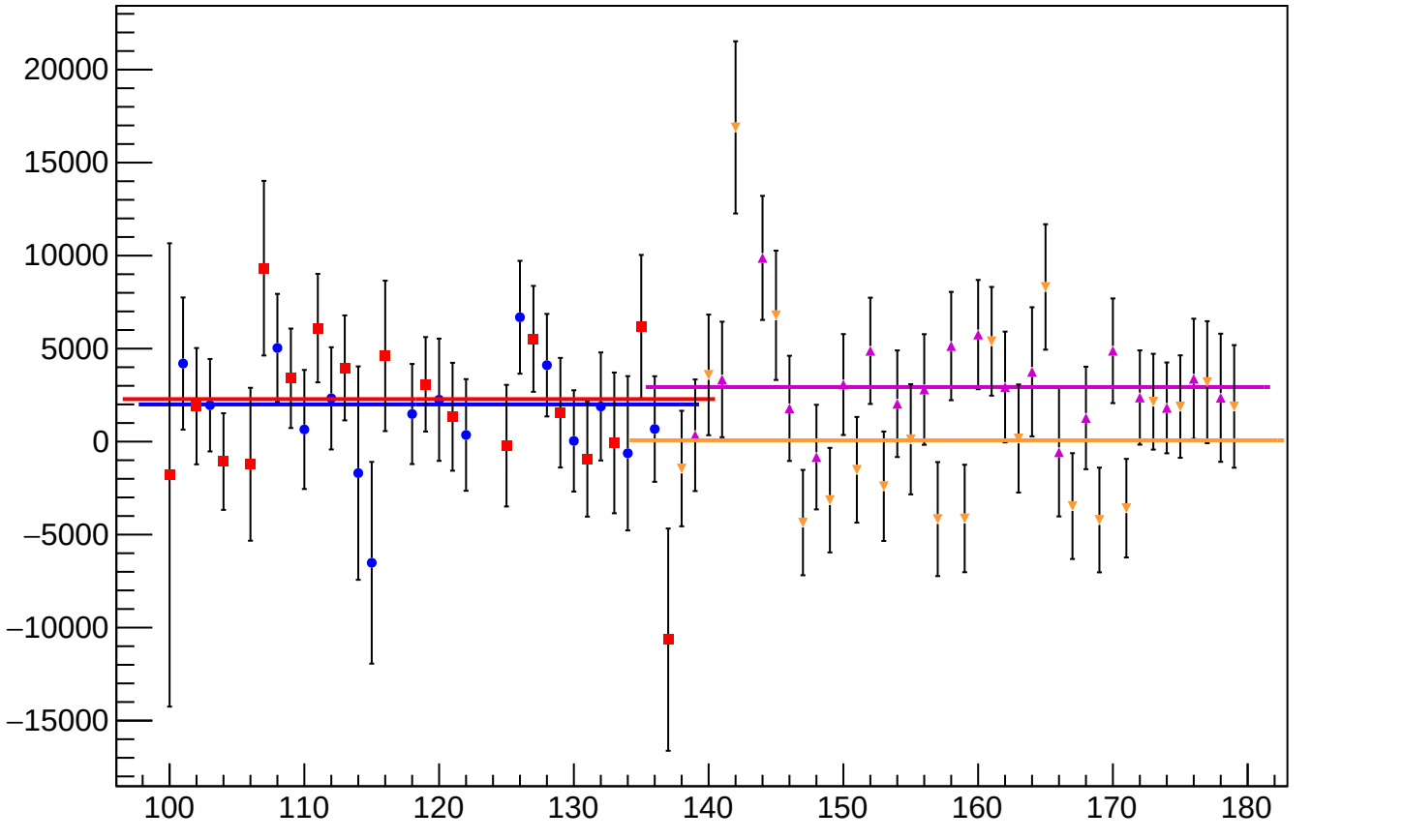
120
130
140
150
160
170
180
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9874.461+/-1.753 χ²/NDF:1179304.6/20
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9752.184+/-1.745 χ²/NDF:1215254.2/19
Left: 9813.044+/-1.237 χ²/NDF: 2397002.9/40
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7743.840+/-1.188 χ²/NDF:4339217.3/35
Out: 7498.506+/-1.149 χ²/NDF:4935370.3/38
All: 7617.033+/-0.826 χ²/NDF: 9296622.0/74


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
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5000
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−5000
−10000
−15000
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120
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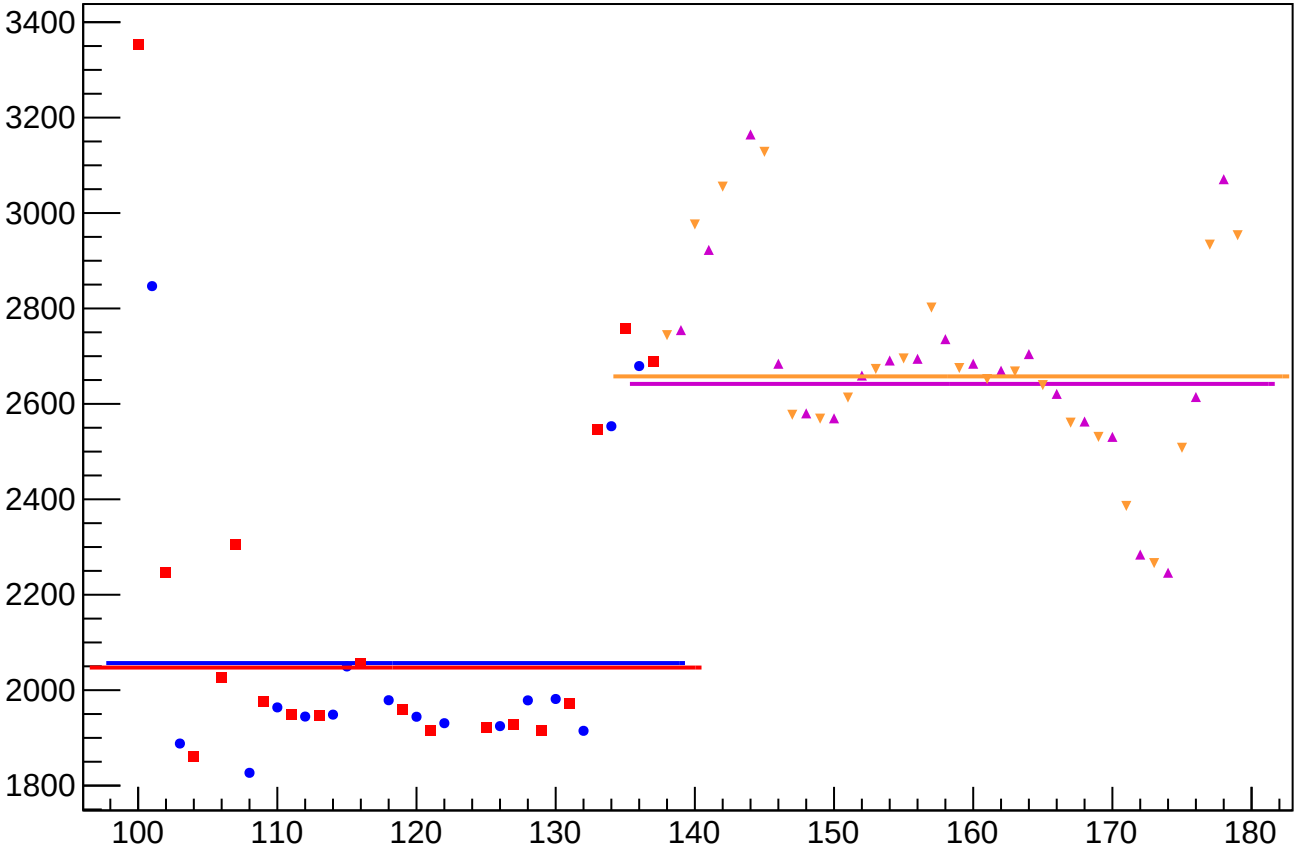
150
160
170
180
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 71.958+/-653.438 χ²/NDF:44.5/20
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 2933.515+/-655.938 χ²/NDF:11.4/19
Left: 1497.274+/-462.932 χ²/NDF: 65.4/40
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2542.713+/-500.285 χ²/NDF:21.2/35
Out: 997.028+/-498.570 χ²/NDF:66.0/38
All: 1767.217+/-353.147 χ²/NDF: 91.9/74

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2657.629+/-0.462 χ^2/NDF:191034.0/20

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2641.879+/-0.464 χ^2/NDF:204107.4/19

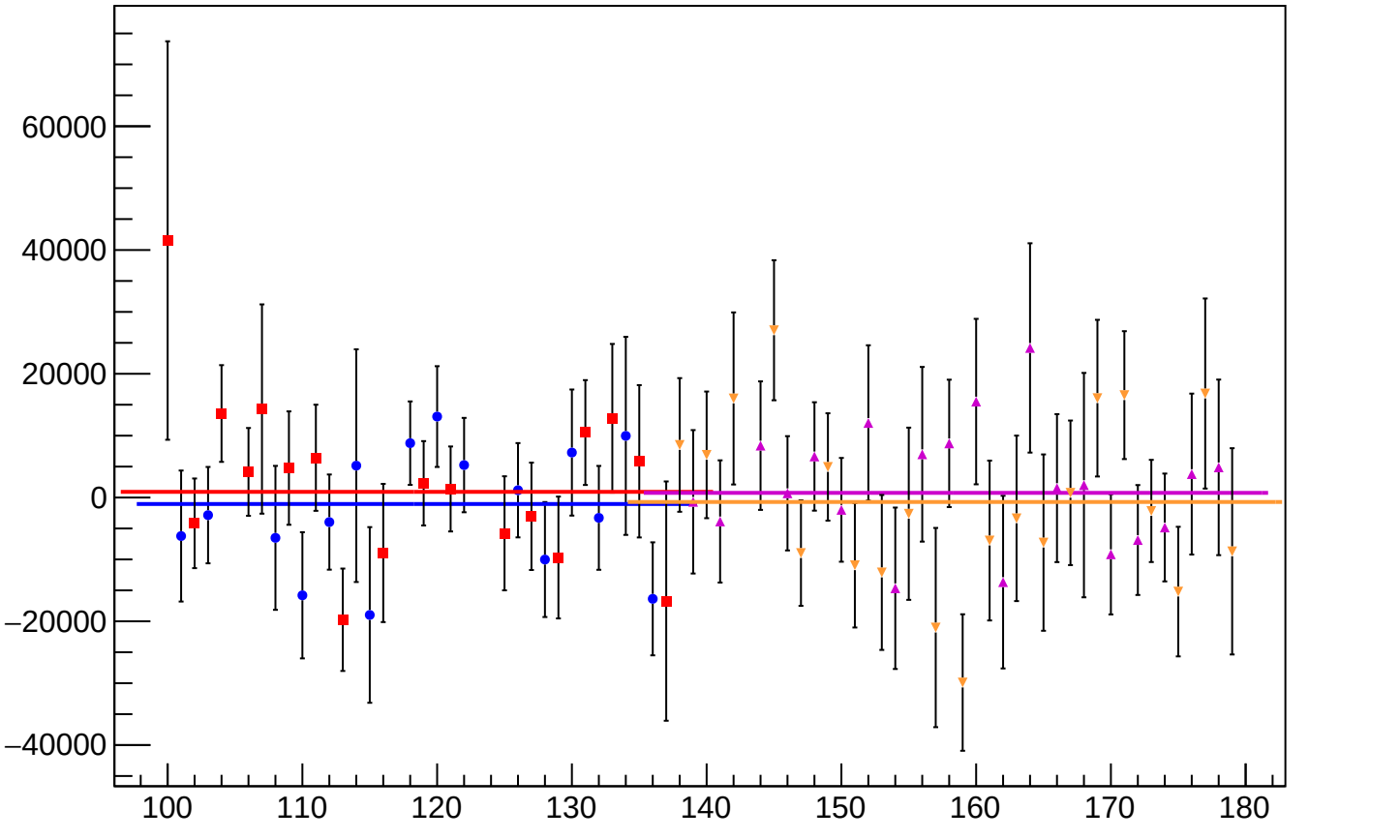
Left: 2649.784+/-0.327 χ^2/NDF: 395720.2/40

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2397.147+/-0.354 χ^2/NDF:1140160.3/35

Out: 2402.204+/-0.352 χ^2/NDF:1117649.3/38

All: 2399.686+/-0.250 χ^2/NDF: 2257912.2/74



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -717.006+/-2479.032 χ^2/NDF:29.1/20

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 756.035+/-2467.750 χ^2/NDF:10.9/19

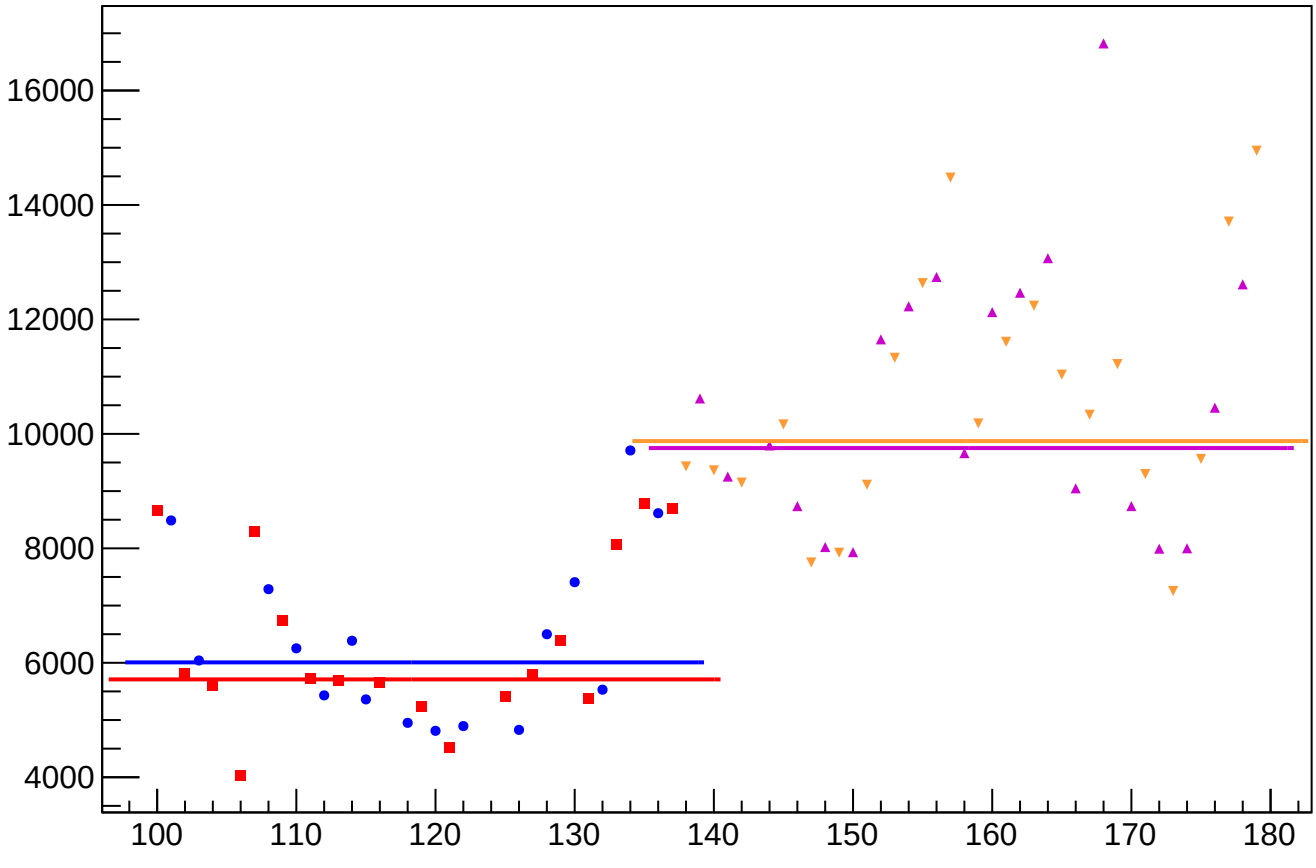
Left: 22.874+/-1748.938 χ^2/NDF: 40.2/40

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -208.539+/-1680.409 χ^2/NDF:26.5/35

Out: 216.749+/-1624.626 χ^2/NDF:47.7/38

All: 11.281+/-1168.007 χ^2/NDF: 74.2/74



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9874.479+/-1.753 χ^2/NDF:1179305.0/20

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9752.200+/-1.745 χ^2/NDF:1215255.1/19

Left: 9813.061+/-1.237 χ^2/NDF: 2397004.2/40

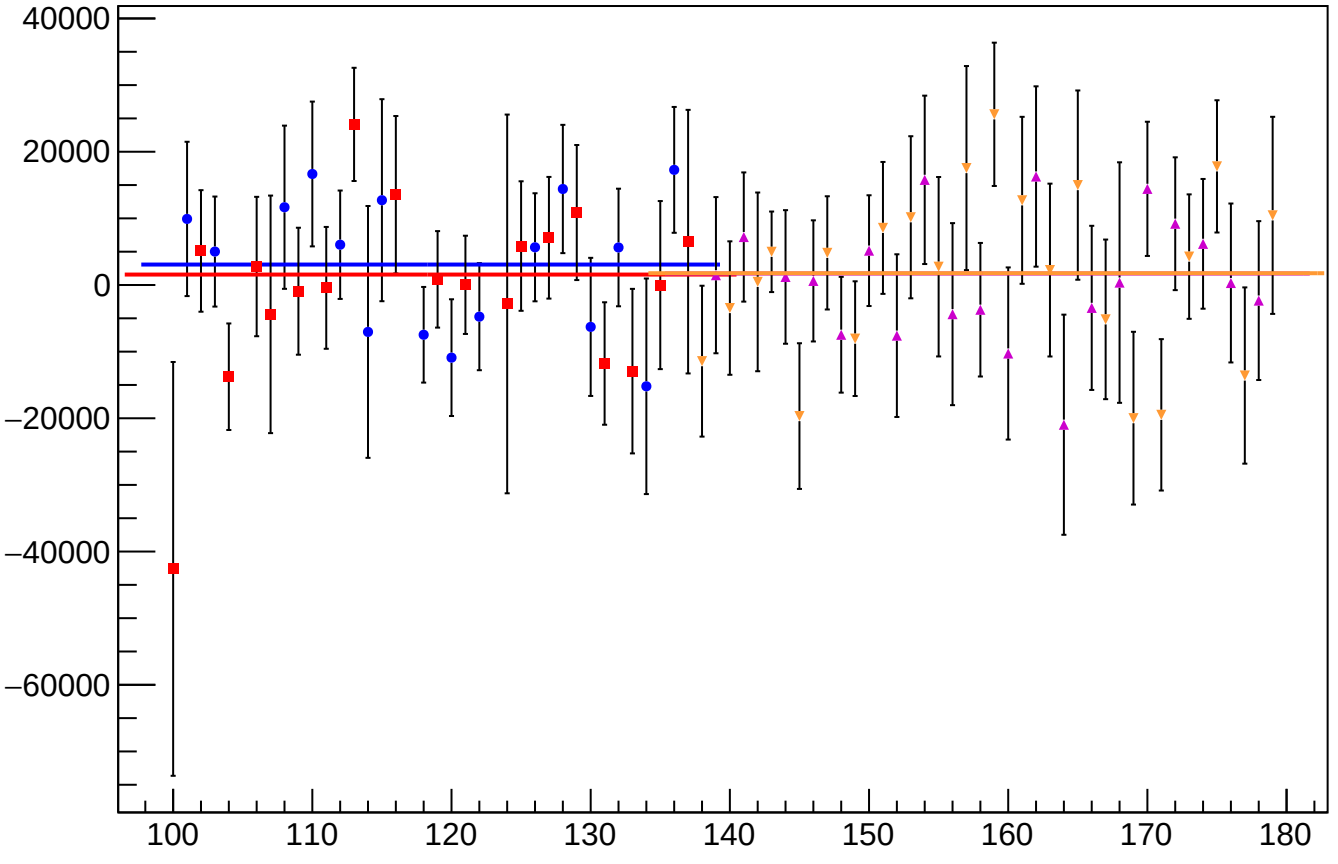
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7743.828+/-1.188 χ^2/NDF:4339275.9/35

Out: 7498.494+/-1.149 χ^2/NDF:4935429.5/38

All: 7617.022+/-0.826 χ^2/NDF: 9296739.8/74

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1768.837+/-2284.112 χ^2/NDF:26.8/21

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1723.347+/-2459.504 χ^2/NDF:10.5/19

Left: 1747.772+/-1673.685 χ^2/NDF: 37.3/41

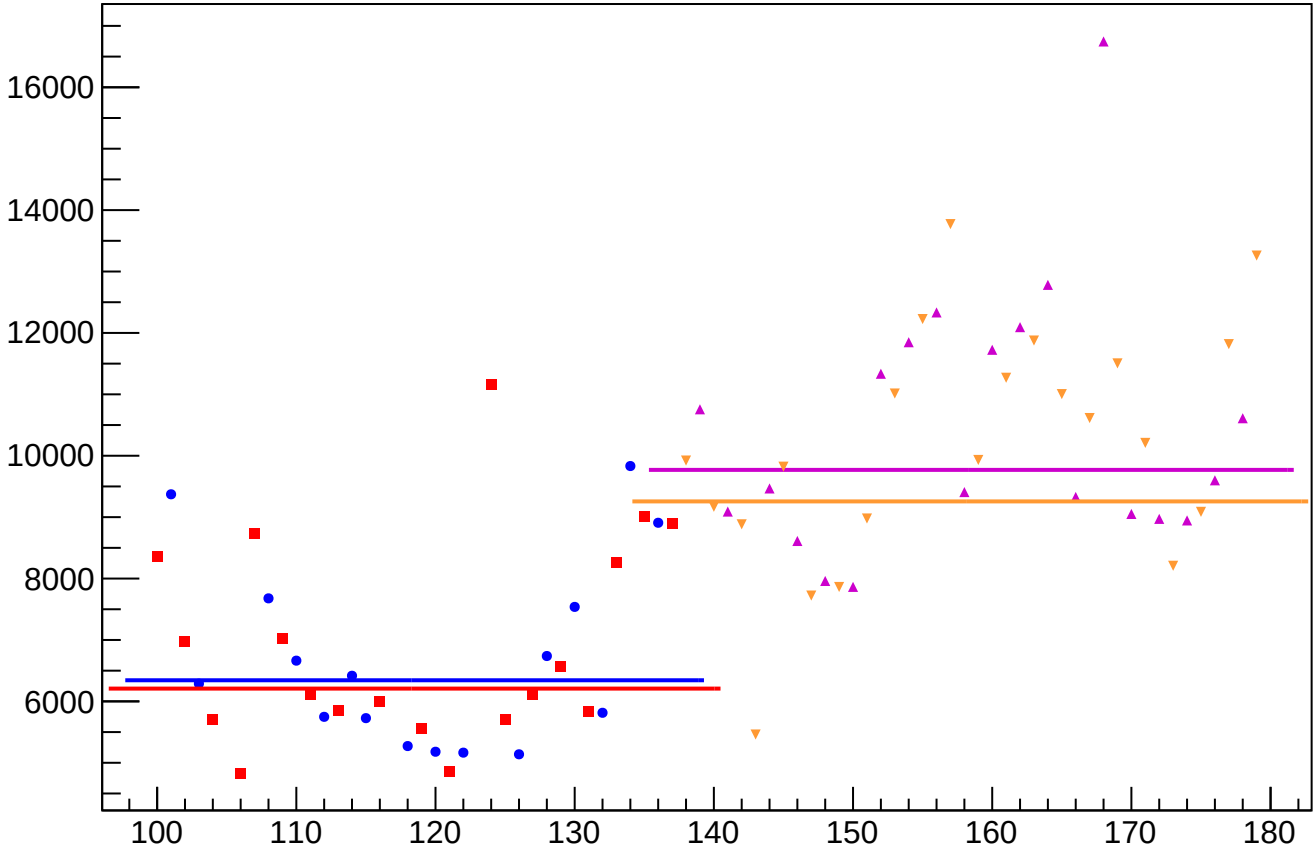
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2407.524+/-1725.257 χ^2/NDF:25.5/35

Out: 1670.223+/-1633.107 χ^2/NDF:46.0/40

All: 2018.658+/-1186.021 χ^2/NDF: 71.6/76

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9256.383+/-1.615 χ^2/NDF:1753649.2/21

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9769.744+/-1.739 χ^2/NDF:930507.6/19

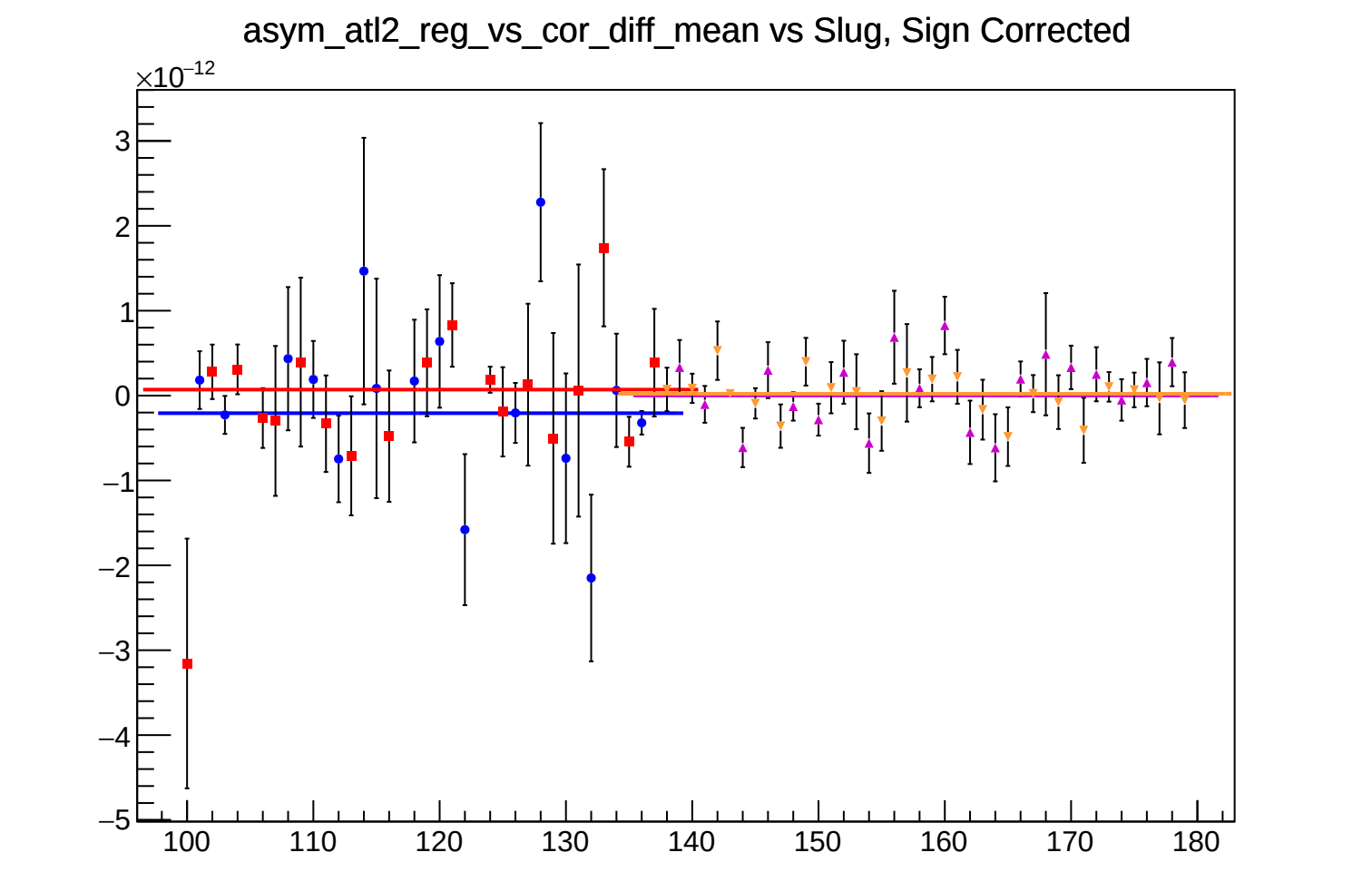
Left: 9494.108+/-1.183 χ^2/NDF: 2730940.3/41

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 8029.543+/-1.220 χ^2/NDF:3522876.4/35

Out: 7766.392+/-1.155 χ^2/NDF:3966633.0/40

All: 7890.752+/-0.839 χ^2/NDF: 7514050.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:32.4/19

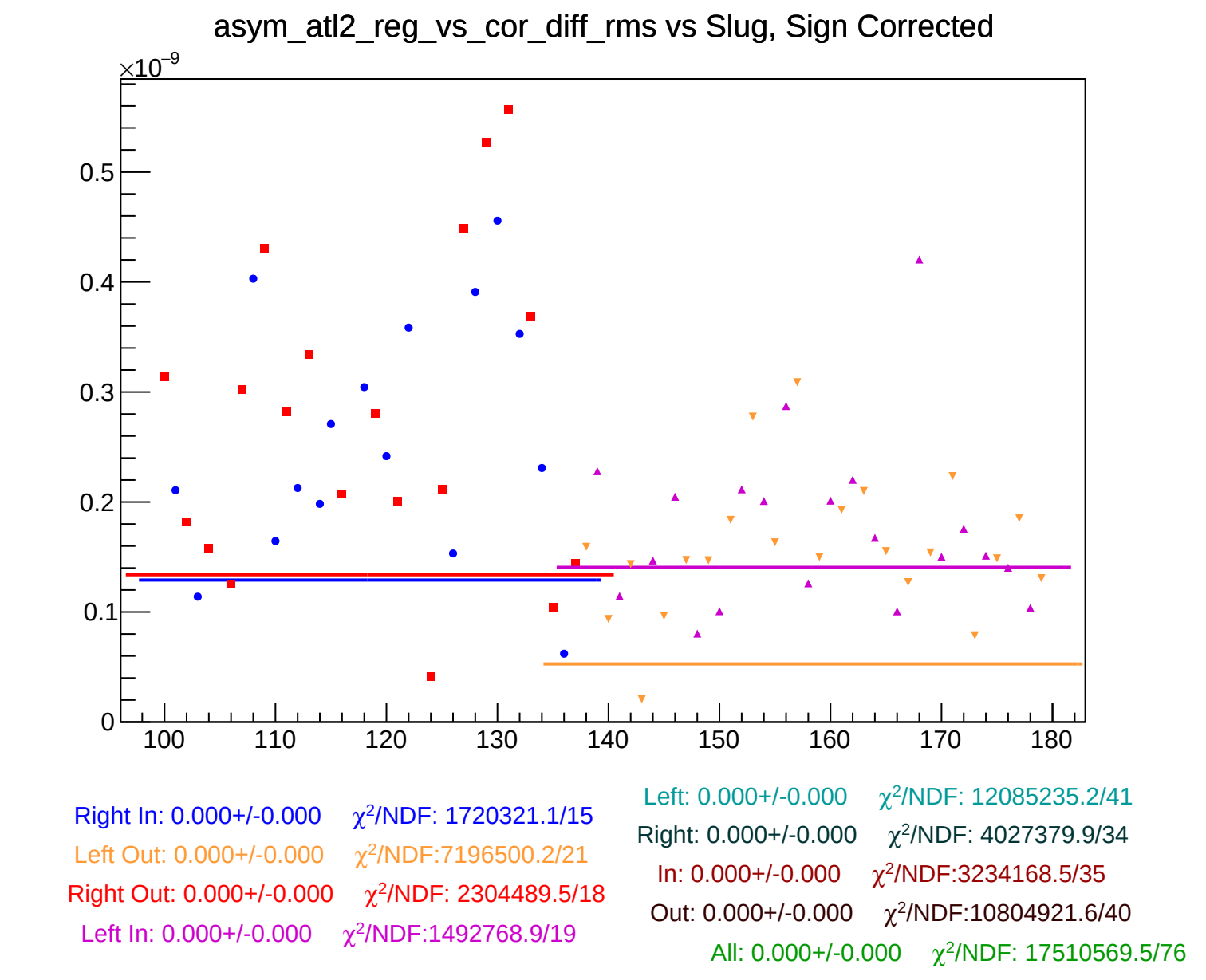
Left: 0.000+/-0.000 χ^2/NDF: 45.3/41

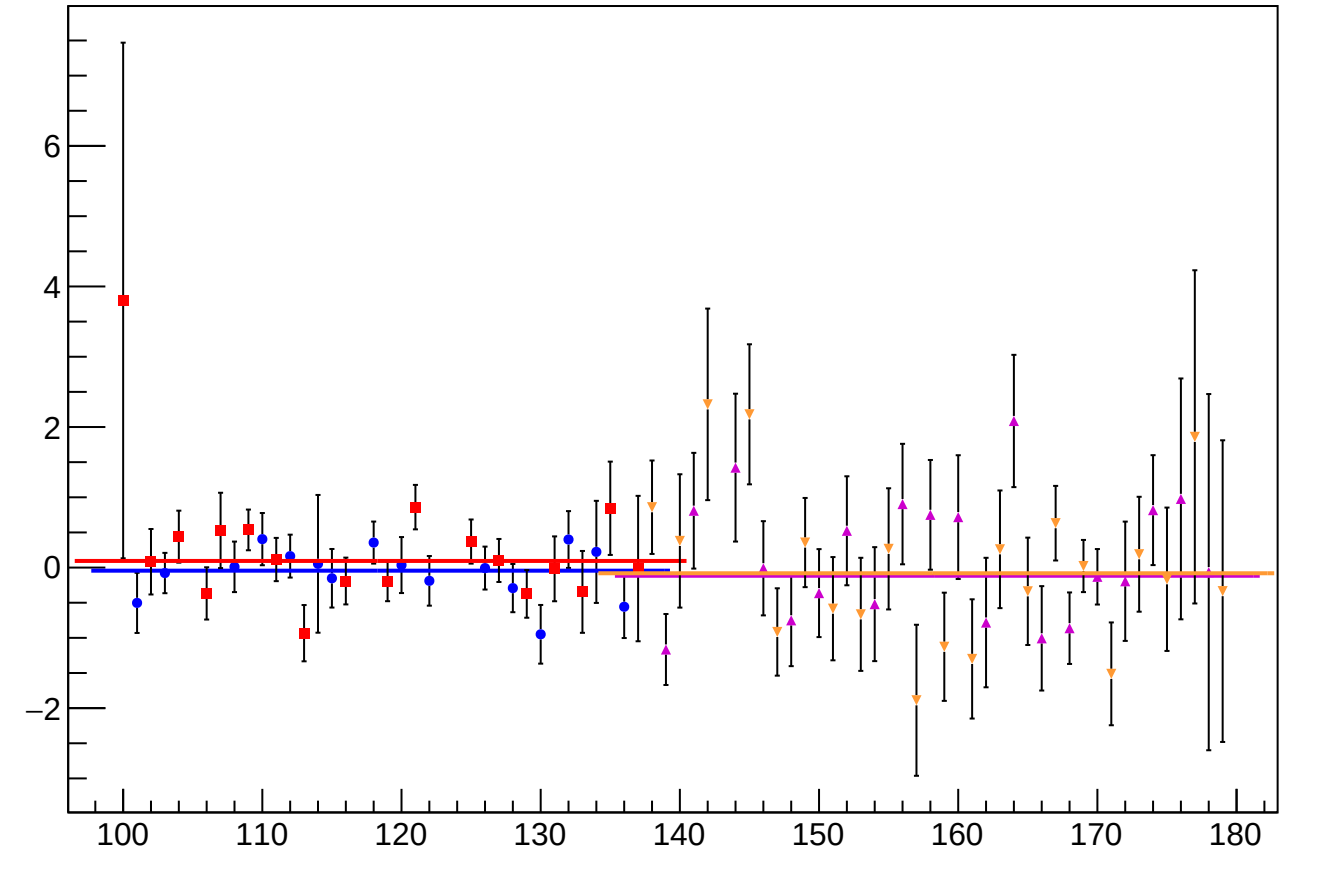
Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:56.8/35

Out: 0.000+/-0.000 χ^2/NDF:33.9/40

All: 0.000+/-0.000 χ^2/NDF: 92.8/76


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7196500.2/21
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1492768.9/19
Left: 0.000+/-0.000 χ²/NDF: 12085235.2/41
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3234168.5/35
Out: 0.000+/-0.000 χ²/NDF:10804921.6/40
All: 0.000+/-0.000 χ²/NDF: 17510569.5/76



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.160 χ^2/NDF:24.8/19

Left: -0.099+/-0.115 χ^2/NDF: 52.2/40

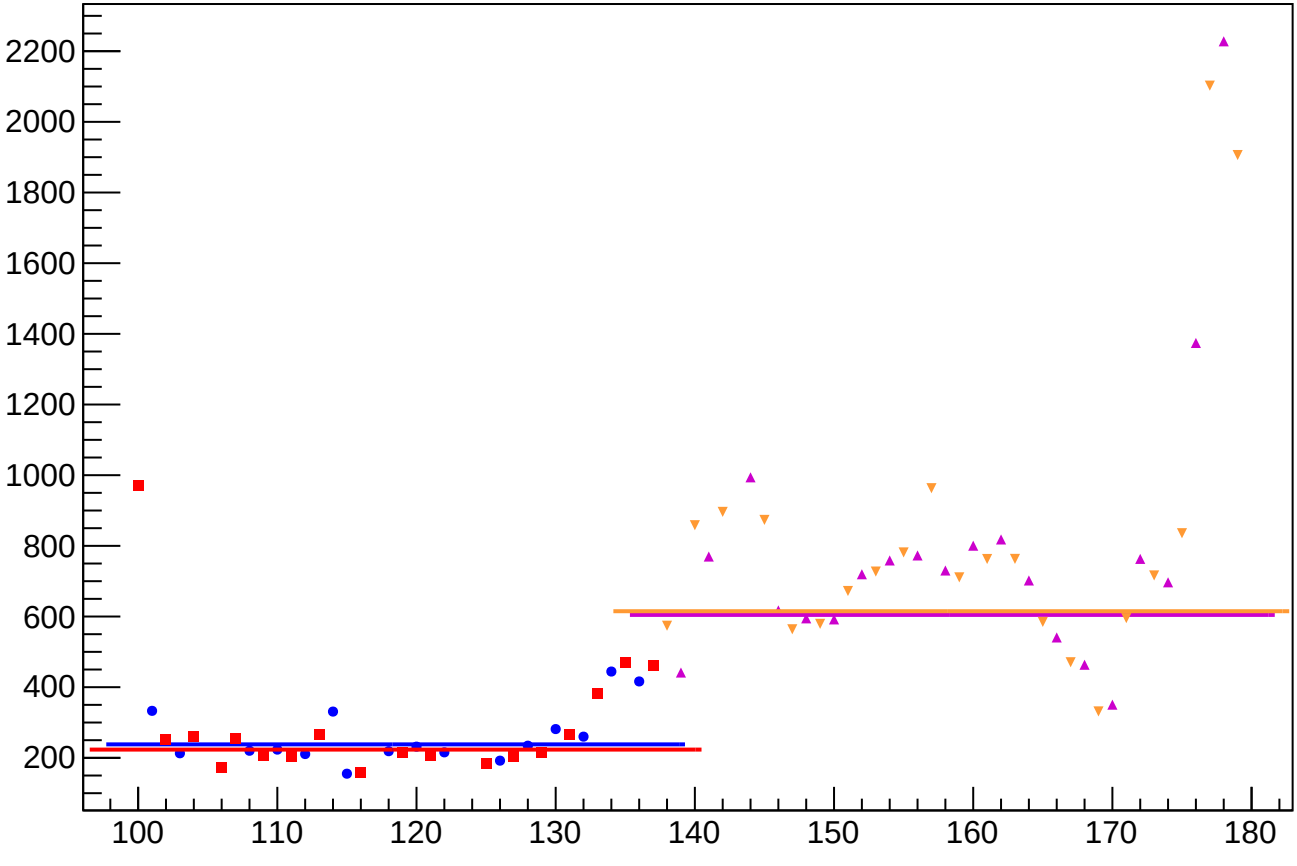
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/35

Out: 0.054+/-0.079 χ^2/NDF:53.6/38

All: -0.003+/-0.057 χ^2/NDF: 92.7/74

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 604.584+/-0.113 χ^2/NDF:3356204.4/19

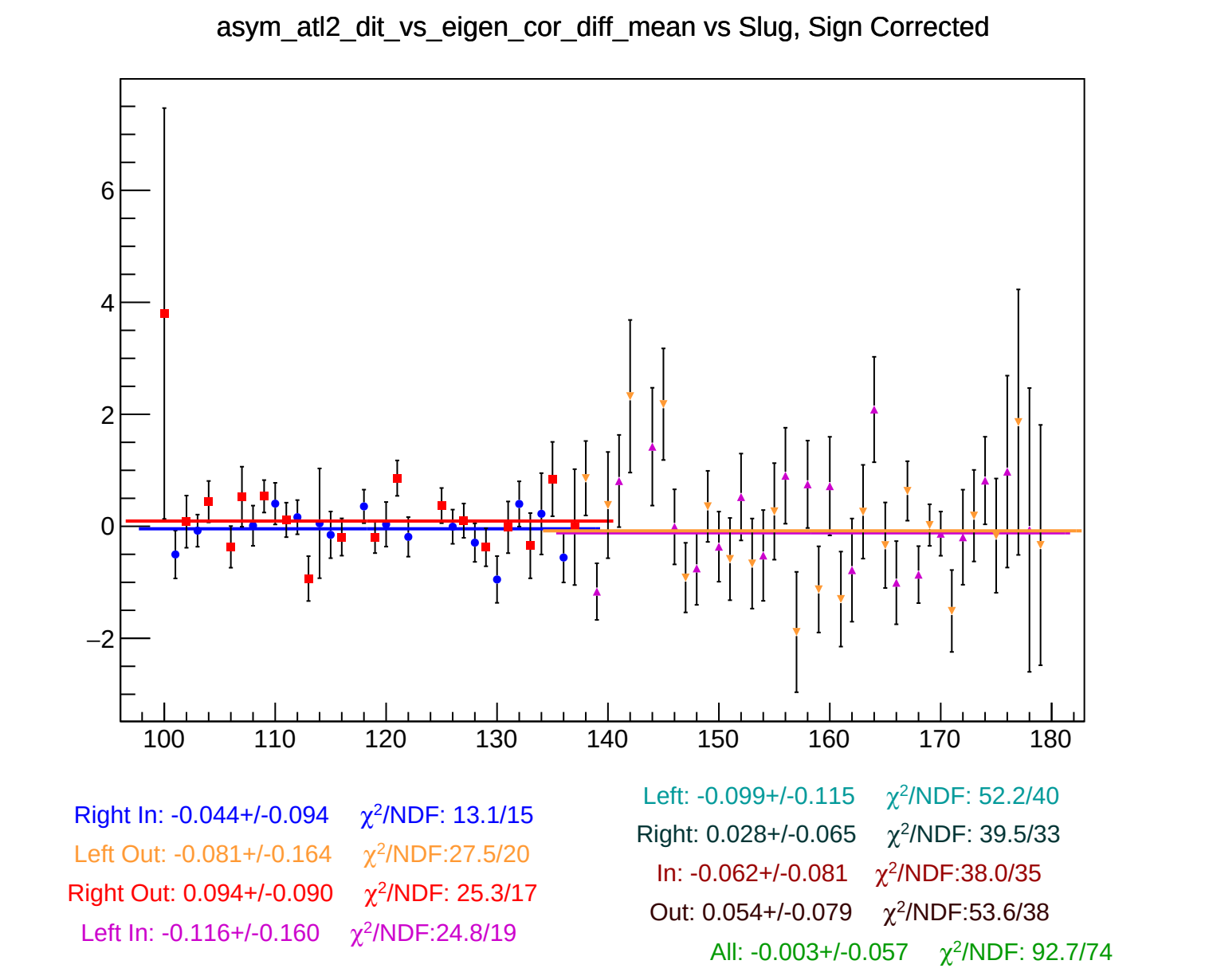
Left: 609.694+/-0.081 χ^2/NDF: 7184560.5/40

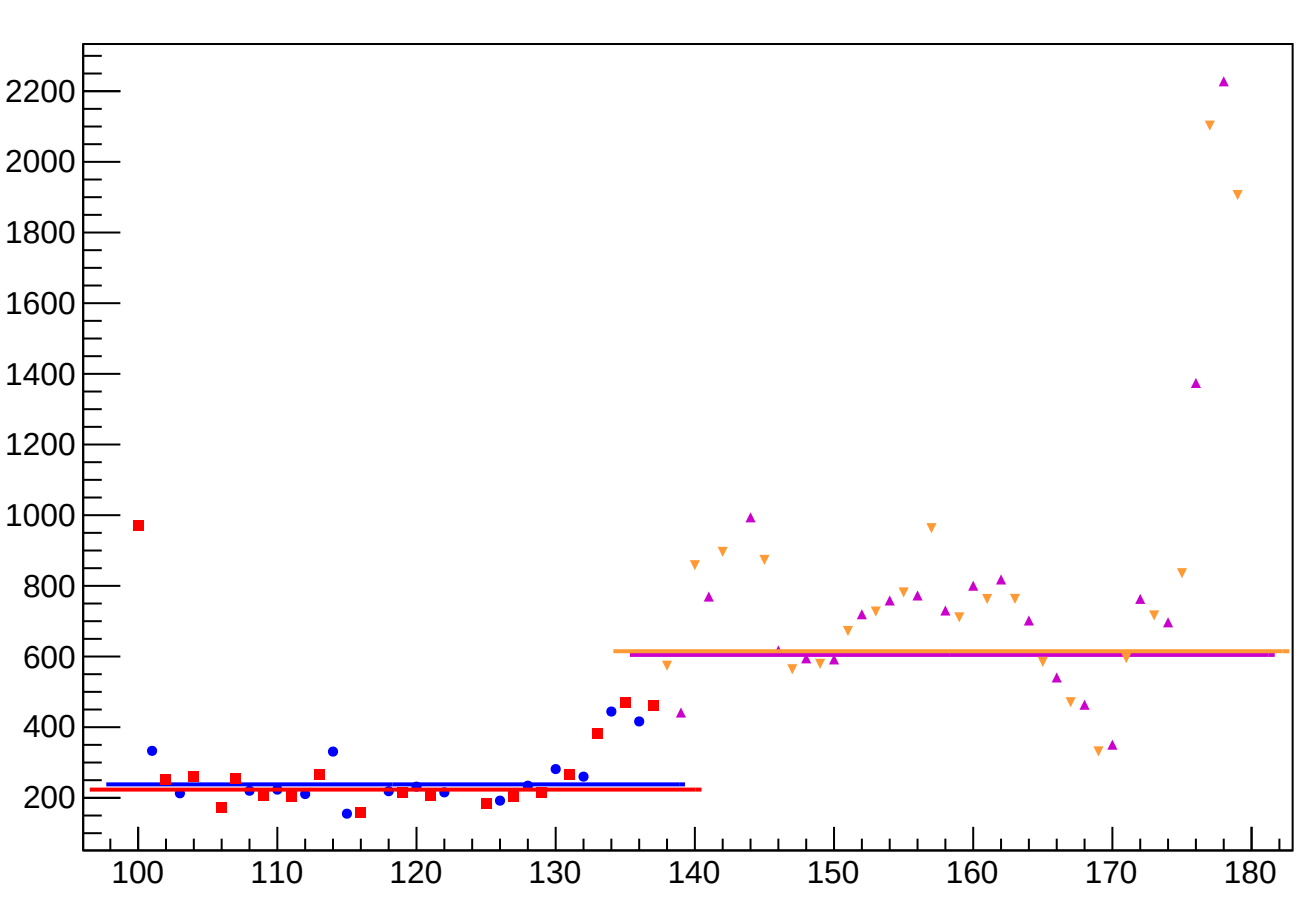
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 331.462+/-0.057 χ^2/NDF:11934483.6/35

Out: 314.403+/-0.056 χ^2/NDF:13480738.9/38

All: 322.709+/-0.040 χ^2/NDF: 25460762.5/74


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.081+/-0.164 χ²/NDF:27.5/20
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.116+/-0.160 χ²/NDF:24.8/19
Left: -0.099+/-0.115 χ²/NDF: 52.2/40
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.062+/-0.081 χ²/NDF:38.0/35
Out: 0.054+/-0.079 χ²/NDF:53.6/38
All: -0.003+/-0.057 χ²/NDF: 92.7/74



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 615.007+/-0.116 χ^2/NDF:3824219.8/20

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 604.584+/-0.113 χ^2/NDF:3356204.4/19

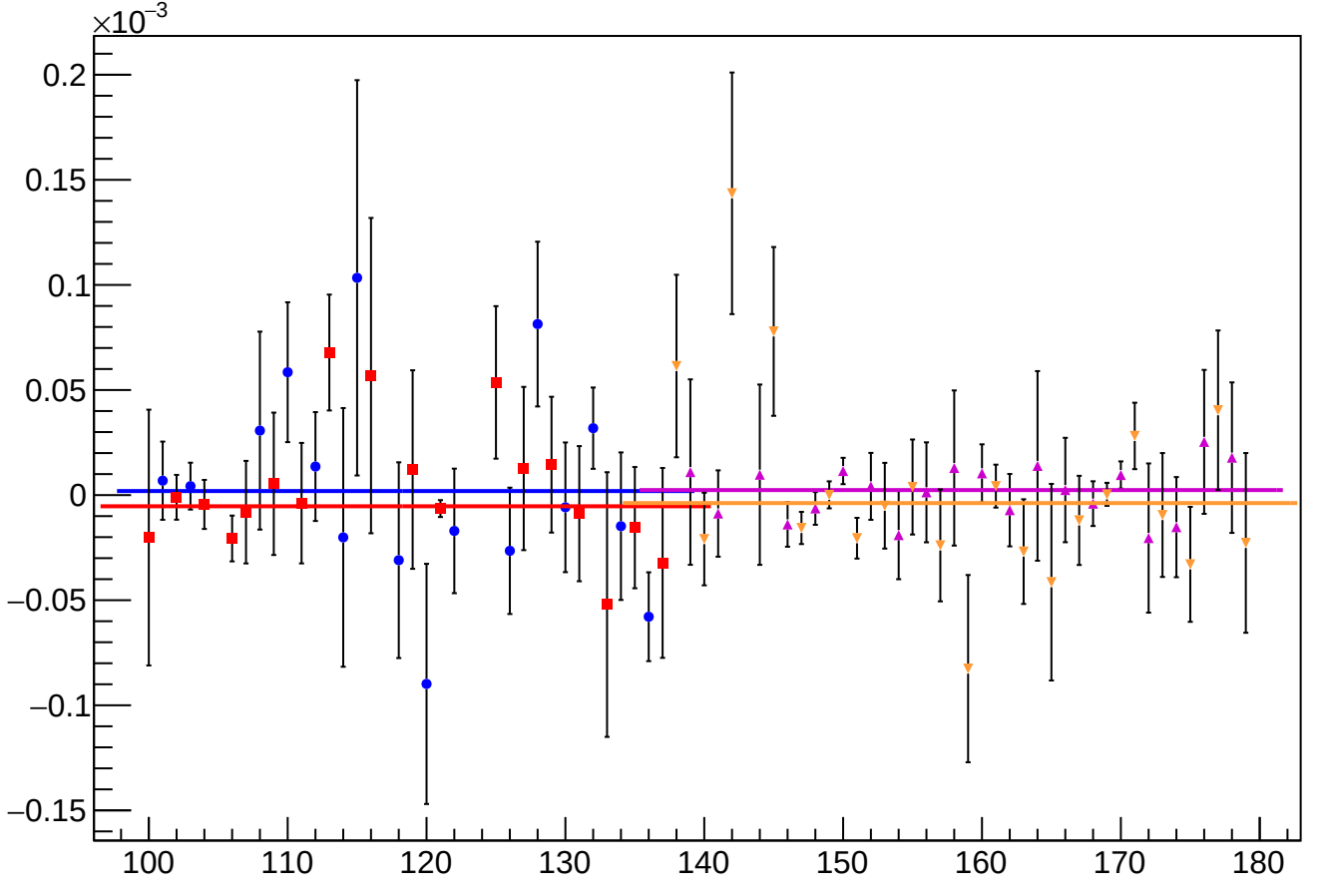
Left: 609.694+/-0.081 χ^2/NDF: 7184560.5/40

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 331.462+/-0.057 χ^2/NDF:11934483.6/35

Out: 314.403+/-0.056 χ^2/NDF:13480738.9/38

All: 322.709+/-0.040 χ^2/NDF: 25460762.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/19

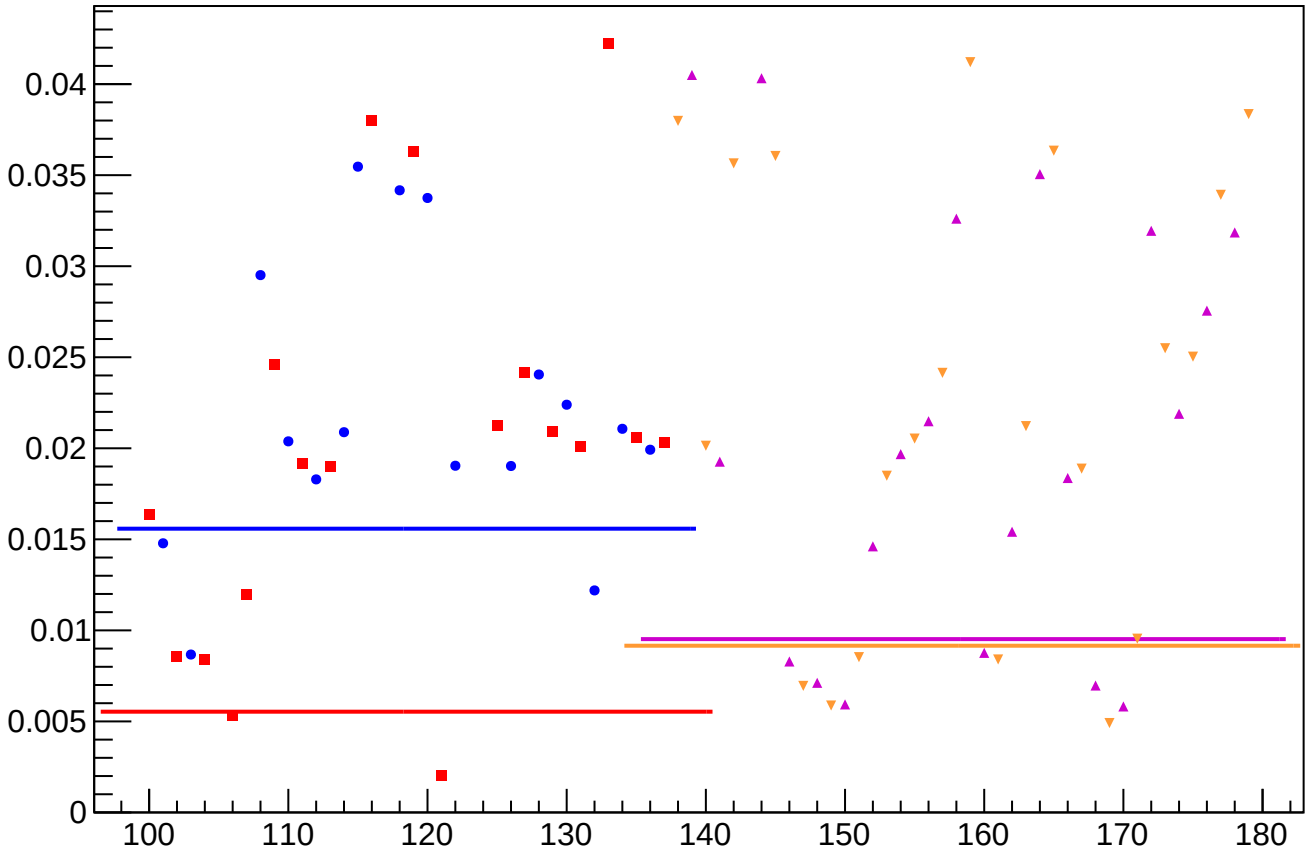
Left: -0.000+/-0.000 χ^2/NDF: 46.1/40

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:35.2/35

Out: -0.000+/-0.000 χ^2/NDF:47.5/38

All: -0.000+/-0.000 χ^2/NDF: 86.5/74



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:11846543.5/20

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:9875802.6/19

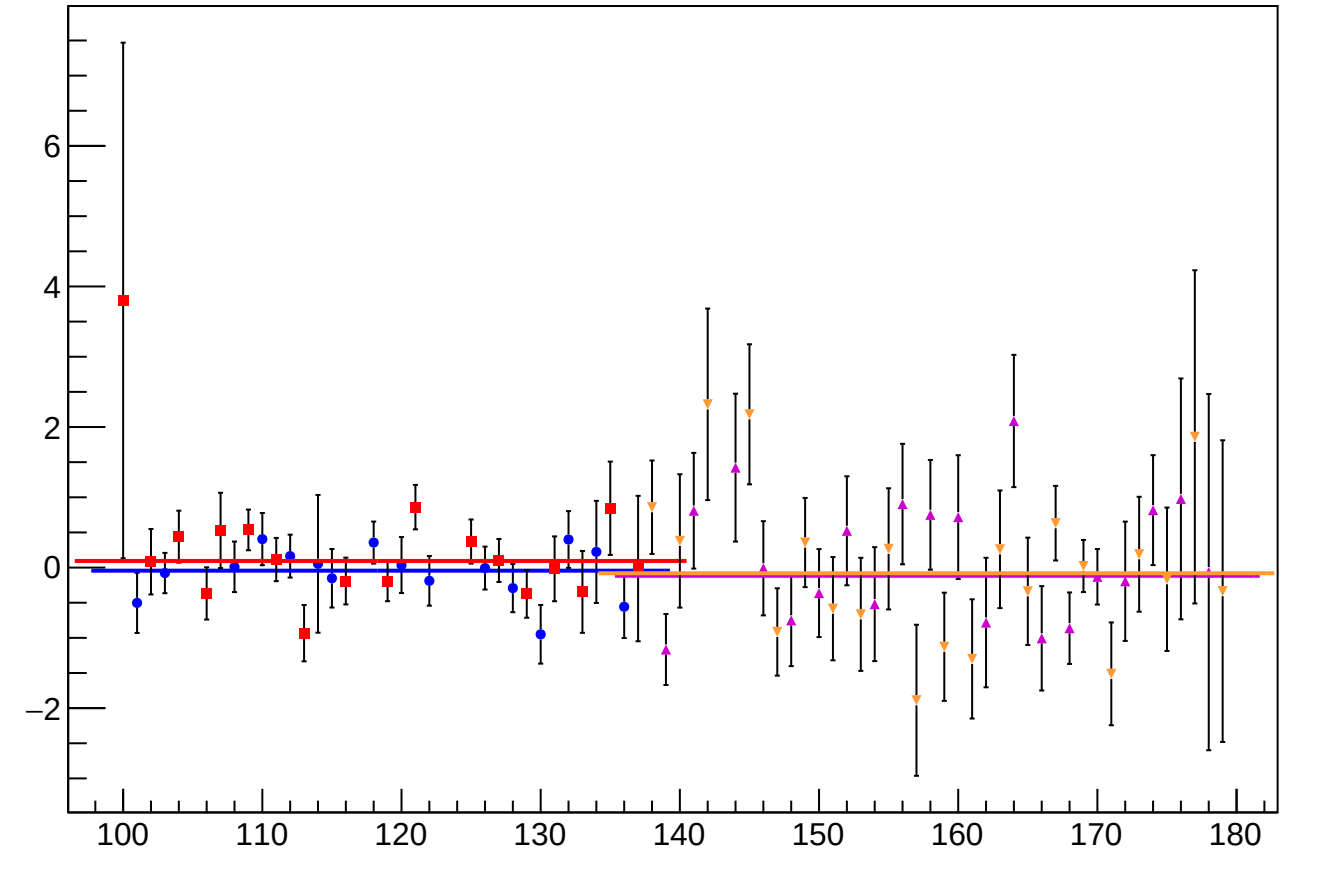
Left: 0.009+/-0.000 χ^2/NDF: 21737306.5/40

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:13430354.3/35

Out: 0.008+/-0.000 χ^2/NDF:21197963.2/38

All: 0.009+/-0.000 χ^2/NDF: 36240130.4/74



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.160 χ^2/NDF:24.8/19

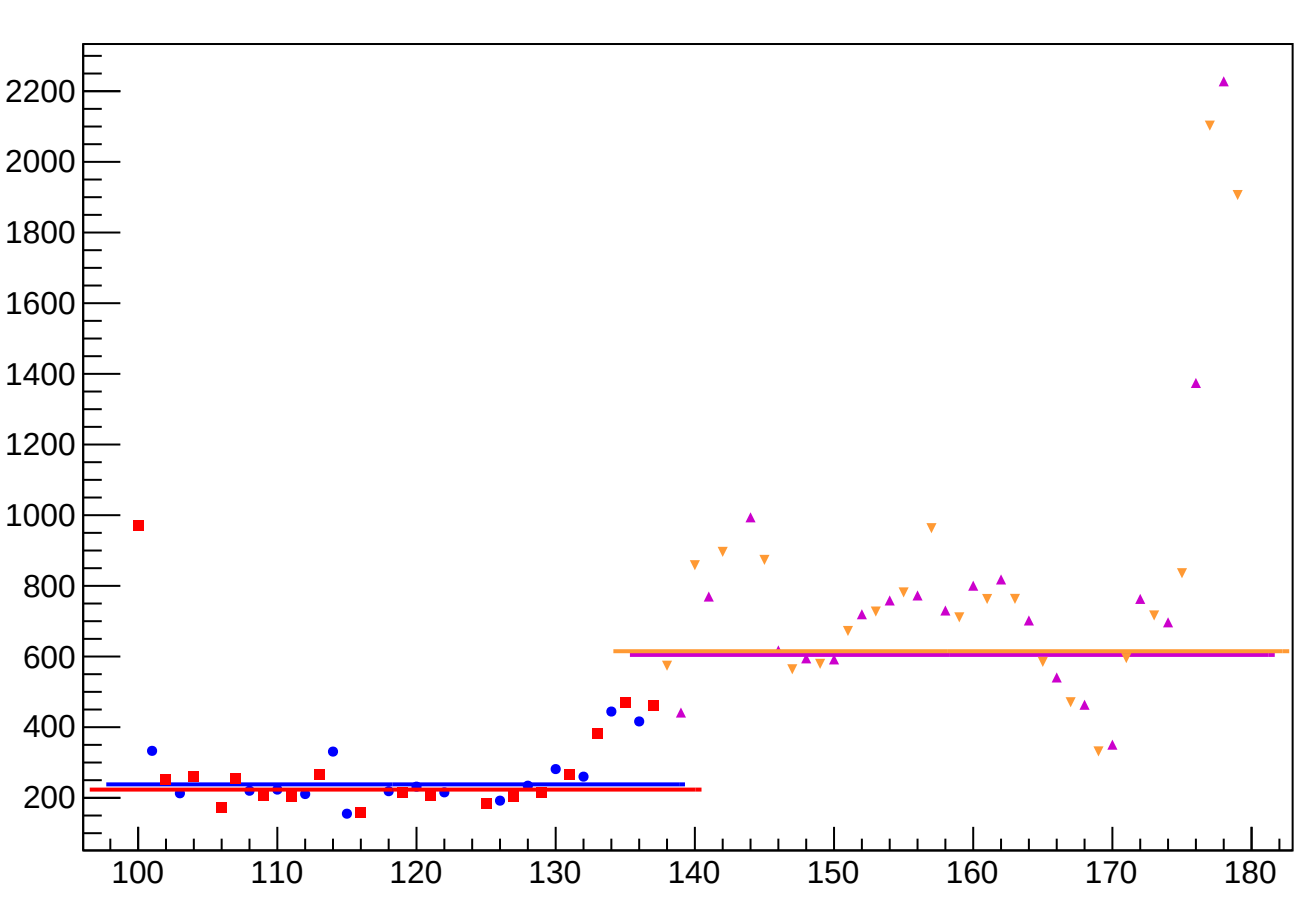
Left: -0.099+/-0.115 χ^2/NDF: 52.2/40

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/35

Out: 0.054+/-0.079 χ^2/NDF:53.6/38

All: -0.003+/-0.057 χ^2/NDF: 92.7/74



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 615.010+/-0.116 χ^2/NDF:3824283.4/20

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 604.590+/-0.113 χ^2/NDF:3356184.8/19

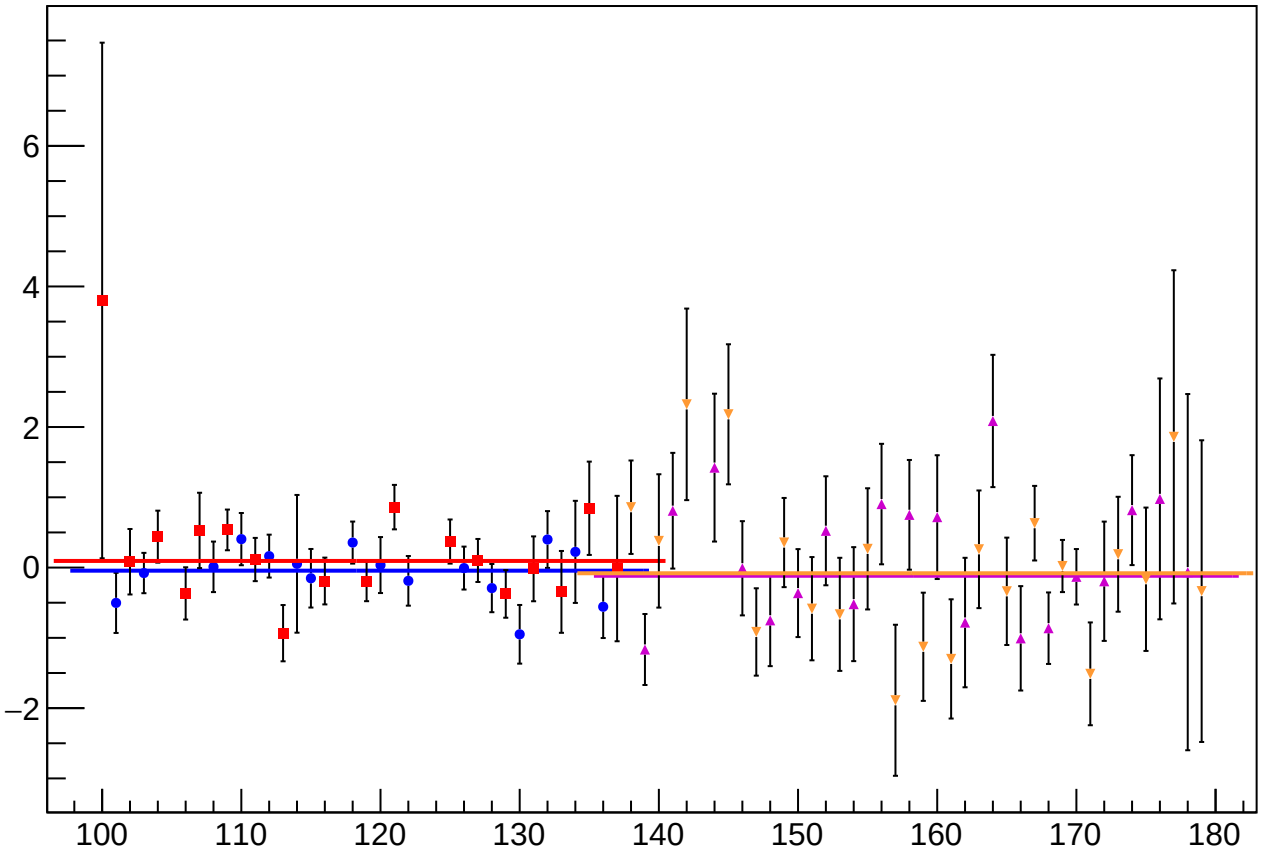
Left: 609.699+/-0.081 χ^2/NDF: 7184602.5/40

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 331.463+/-0.057 χ^2/NDF:11934534.3/35

Out: 314.405+/-0.056 χ^2/NDF:13480729.0/38

All: 322.710+/-0.040 χ^2/NDF: 25460799.7/74



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.081+/-0.164 χ^2/NDF:27.5/20

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.160 χ^2/NDF:24.8/19

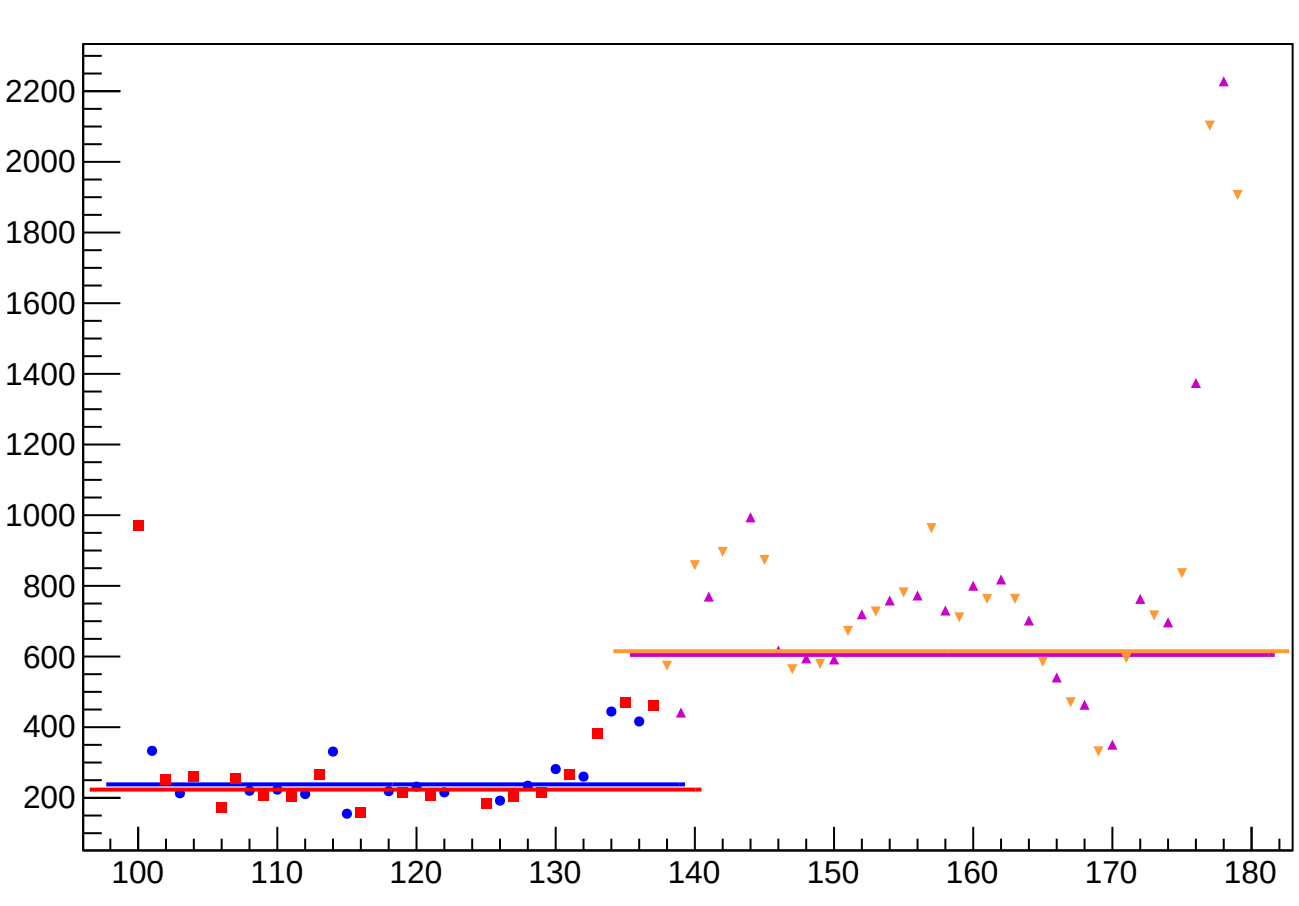
Left: -0.099+/-0.115 χ^2/NDF: 52.2/40

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/35

Out: 0.054+/-0.079 χ^2/NDF:53.6/38

All: -0.003+/-0.057 χ^2/NDF: 92.7/74



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 615.010+/-0.116 χ^2/NDF:3824283.4/20

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 604.590+/-0.113 χ^2/NDF:3356184.8/19

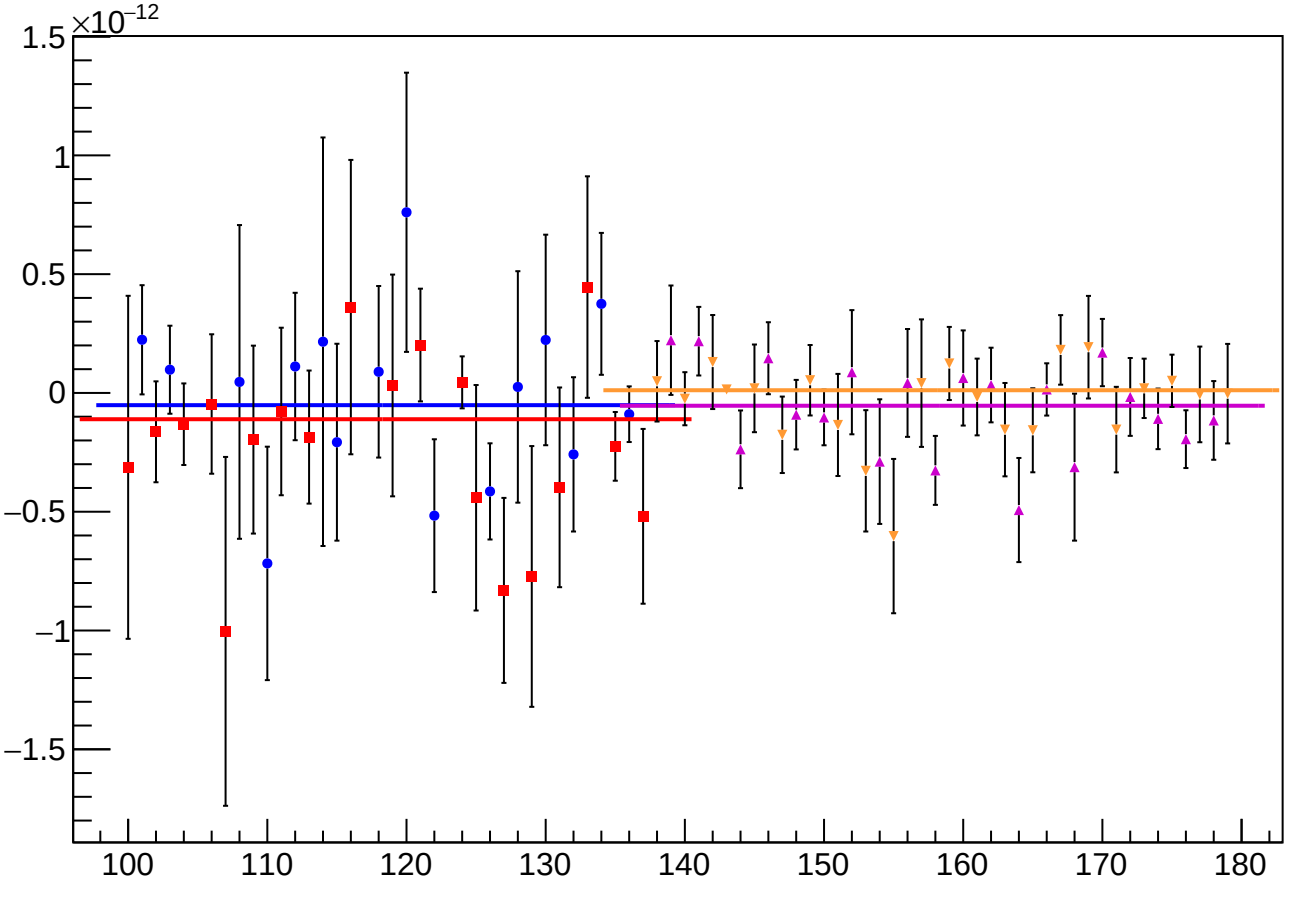
Left: 609.699+/-0.081 χ^2/NDF: 7184602.5/40

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 331.463+/-0.057 χ^2/NDF:11934534.3/35

Out: 314.405+/-0.056 χ^2/NDF:13480729.0/38

All: 322.710+/-0.040 χ^2/NDF: 25460799.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/19

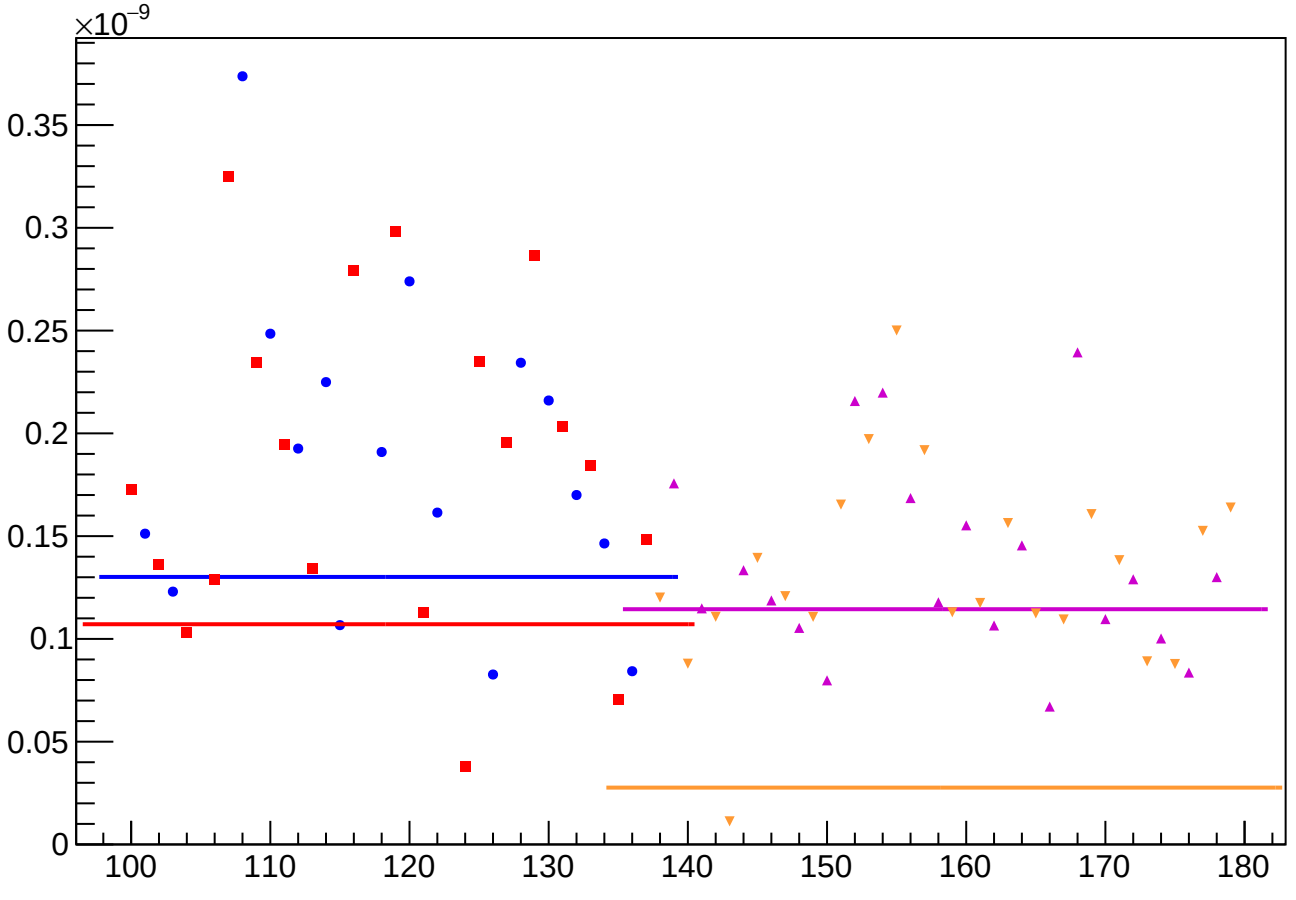
Left: 0.000+/-0.000 χ^2/NDF: 38.9/41

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:37.8/35

Out: 0.000+/-0.000 χ^2/NDF:32.4/40

All: -0.000+/-0.000 χ^2/NDF: 73.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16602358.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2104386.6/19

Left: 0.000+/-0.000 χ^2/NDF: 29030501.5/41

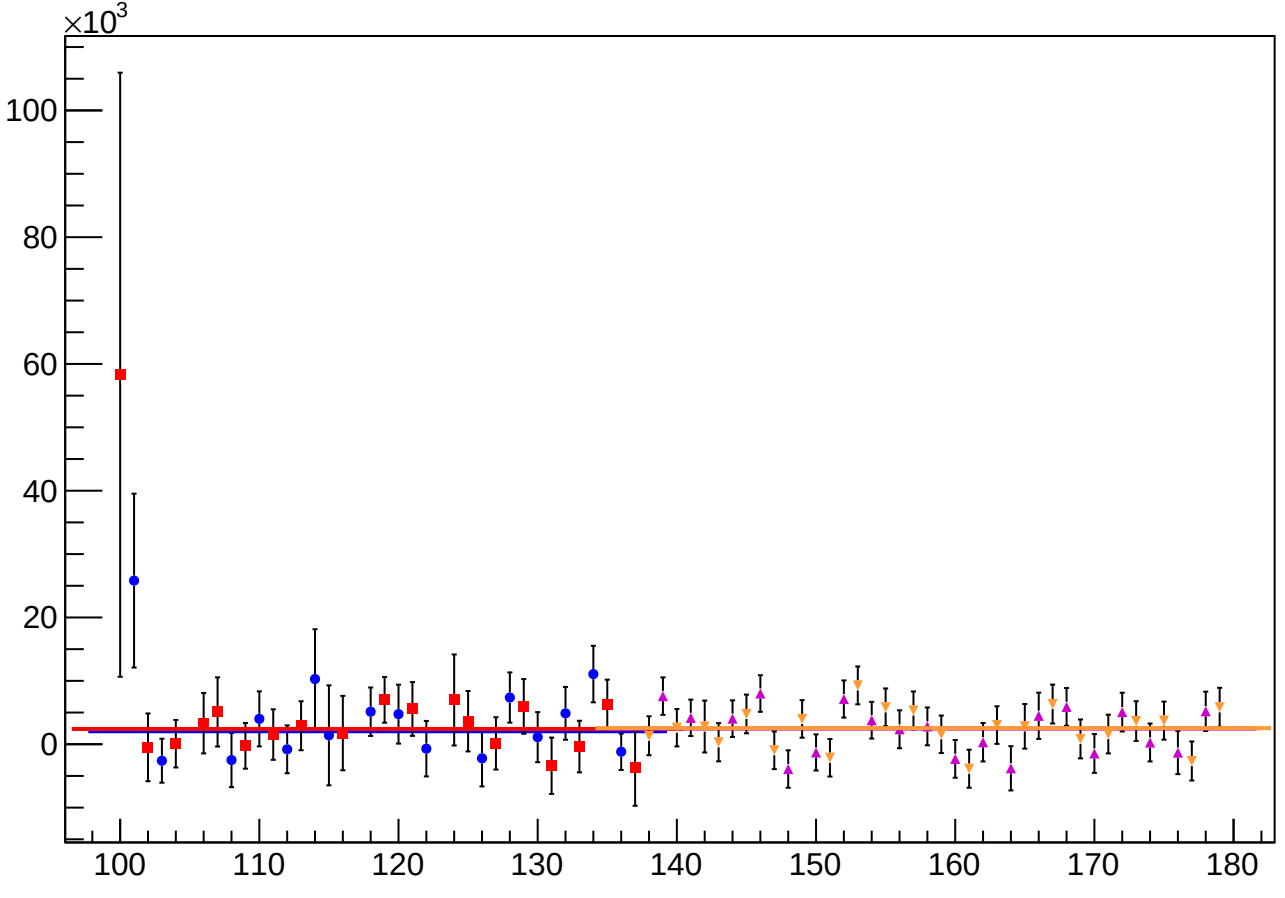
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3523499.4/35

Out: 0.000+/-0.000 χ^2/NDF:22686521.2/40

All: 0.000+/-0.000 χ^2/NDF: 38738148.6/76

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.688+/-654.216 χ^2/NDF:23.4/21

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2470.247+/-677.263 χ^2/NDF:29.3/19

Left: 2504.100+/-470.537 χ^2/NDF: 52.7/41

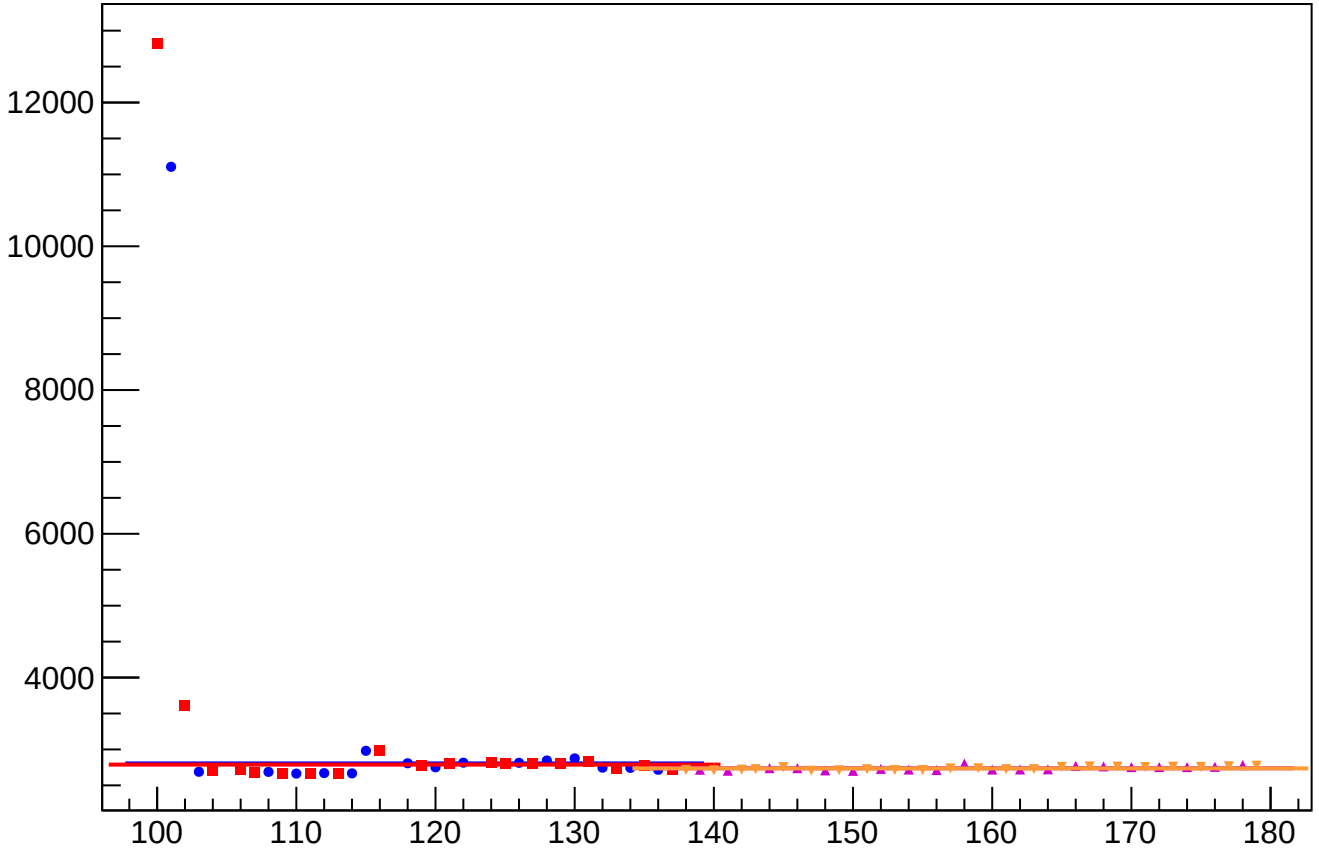
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2349.959+/-572.323 χ^2/NDF:47.2/35

Out: 2500.360+/-553.076 χ^2/NDF:34.2/40

All: 2427.731+/-397.714 χ^2/NDF: 81.4/76

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

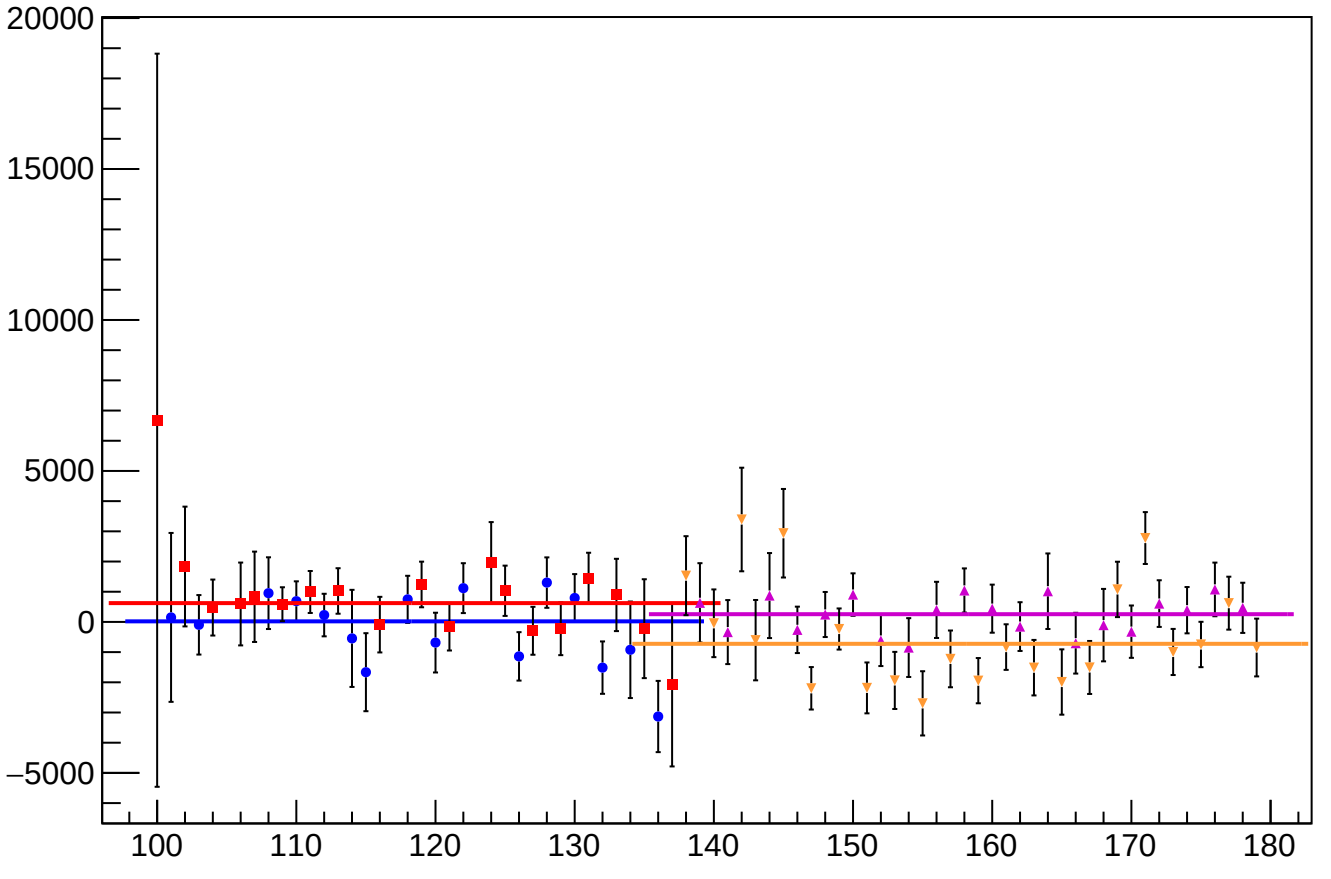
Left: 2737.014+/-0.333 χ^2/NDF: 5446.9/41

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2757.342+/-0.405 χ^2/NDF:755130.8/35

Out: 2751.080+/-0.391 χ^2/NDF:152919.1/40

All: 2754.104+/-0.281 χ^2/NDF: 908173.7/76



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -725.273+/-193.273 χ^2/NDF:57.2/21

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 256.103+/-196.797 χ^2/NDF:8.7/19

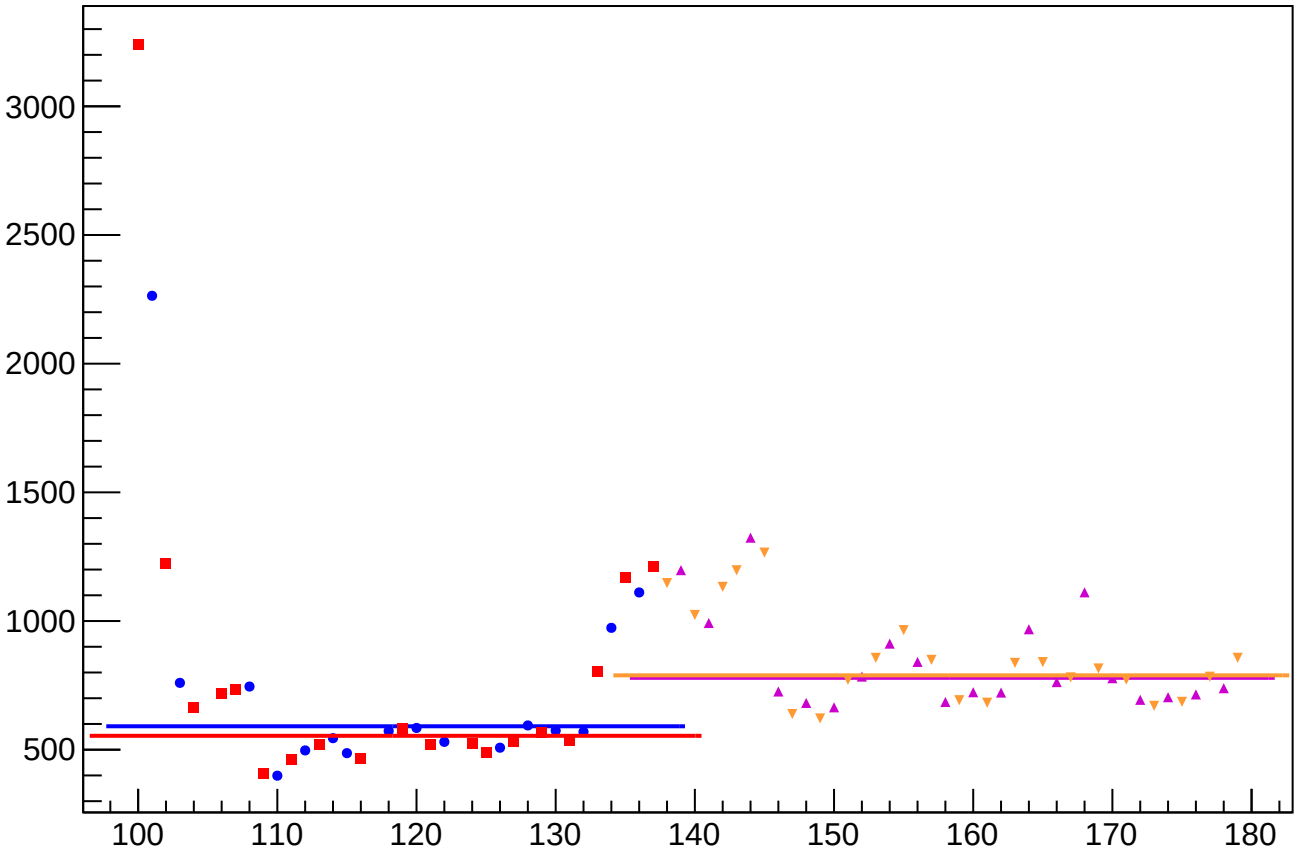
Left: -243.450+/-137.893 χ^2/NDF: 78.6/41

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 157.613+/-150.475 χ^2/NDF:32.1/35

Out: -125.569+/-144.016 χ^2/NDF:88.1/40

All: 9.814+/-104.043 χ^2/NDF: 122.0/76



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 788.913+/-0.137 χ^2/NDF:1185992.0/21

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 779.278+/-0.139 χ^2/NDF:1037578.1/19

Left: 784.182+/-0.098 χ^2/NDF: 2226010.7/41

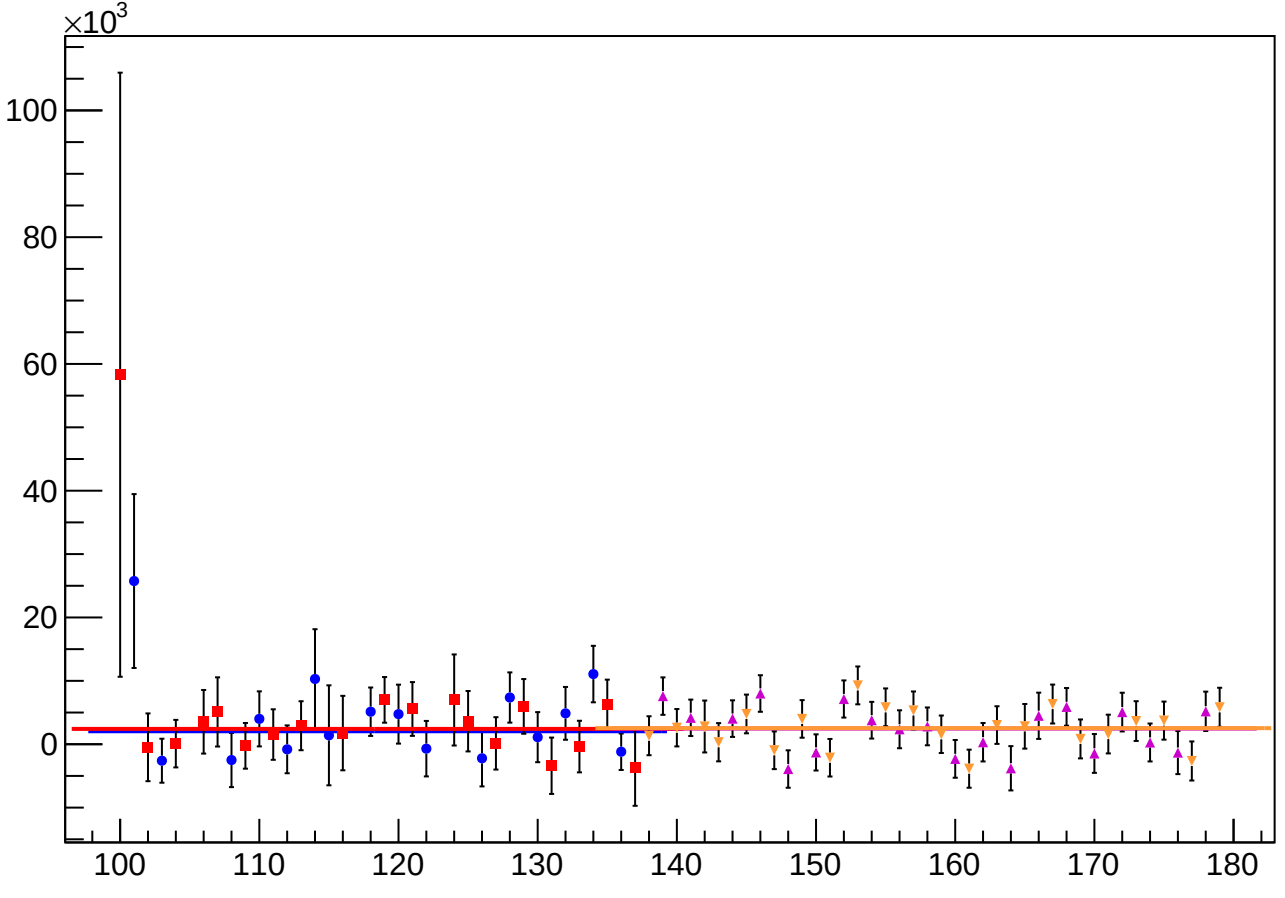
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 701.093+/-0.106 χ^2/NDF:3365253.6/35

Out: 684.425+/-0.102 χ^2/NDF:3617206.9/40

All: 692.394+/-0.074 χ^2/NDF: 6995267.6/76

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2470.337+/-677.263 χ^2/NDF:29.3/19

Left: 2504.141+/-470.537 χ^2/NDF: 52.7/41

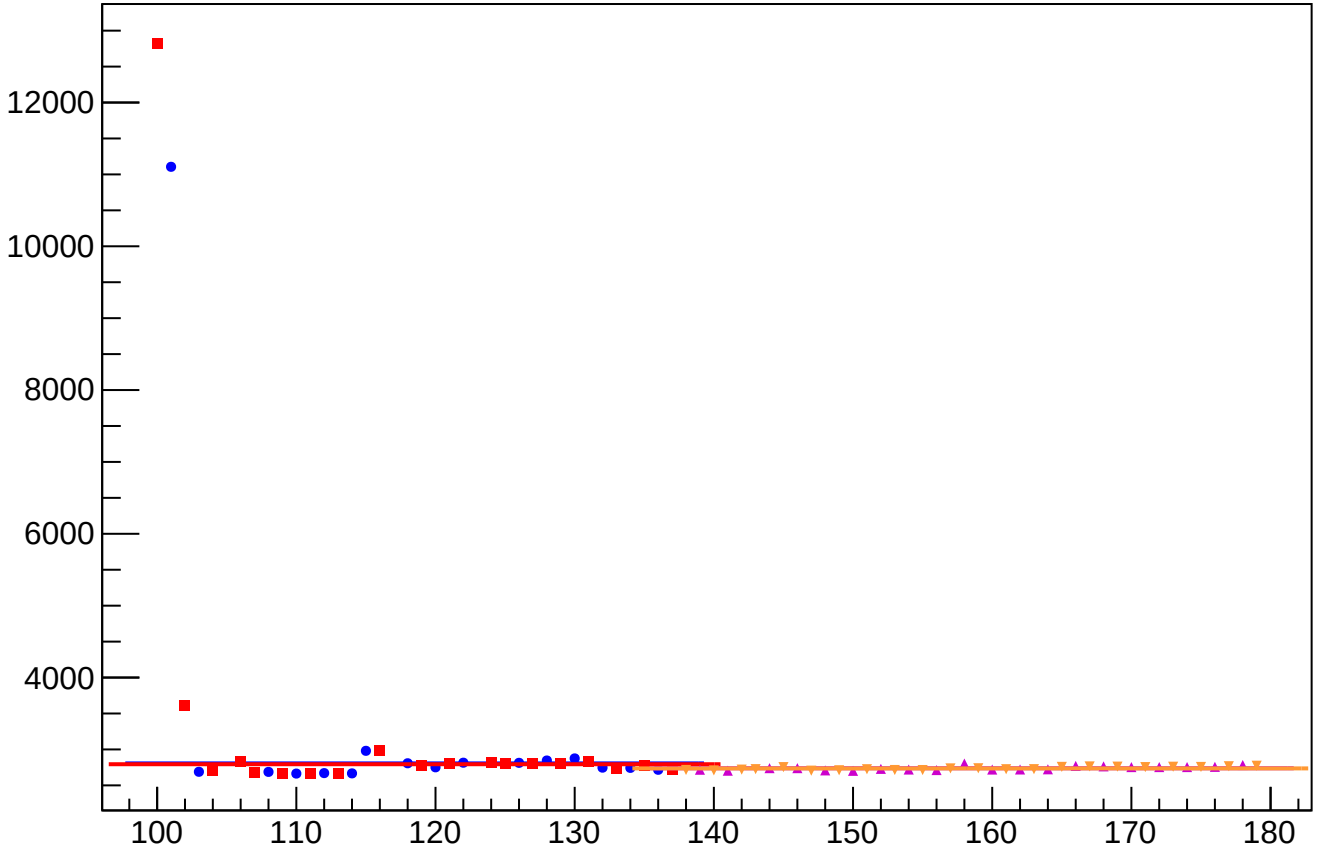
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2349.793+/-572.323 χ^2/NDF:47.2/35

Out: 2502.194+/-553.438 χ^2/NDF:34.2/40

All: 2428.549+/-397.849 χ^2/NDF: 81.4/76

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

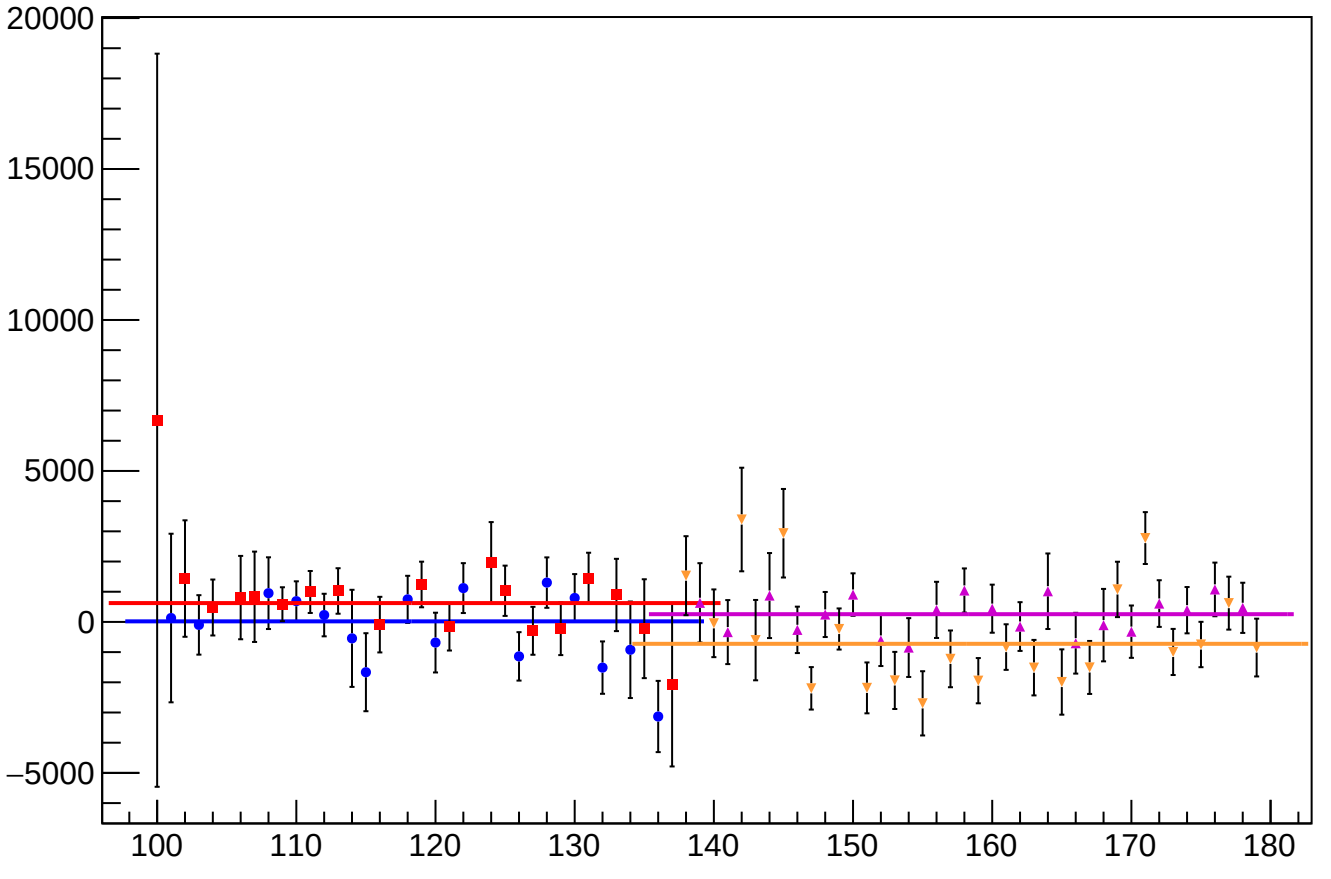
Left: 2737.014+/-0.333 χ^2/NDF: 5446.9/41

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.342+/-0.405 χ^2/NDF:755129.9/35

Out: 2752.548+/-0.391 χ^2/NDF:153439.6/40

All: 2754.864+/-0.281 χ^2/NDF: 908642.1/76



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 256.204+/-196.797 χ^2/NDF:8.7/19

Left: -243.392+/-137.894 χ^2/NDF: 78.6/41

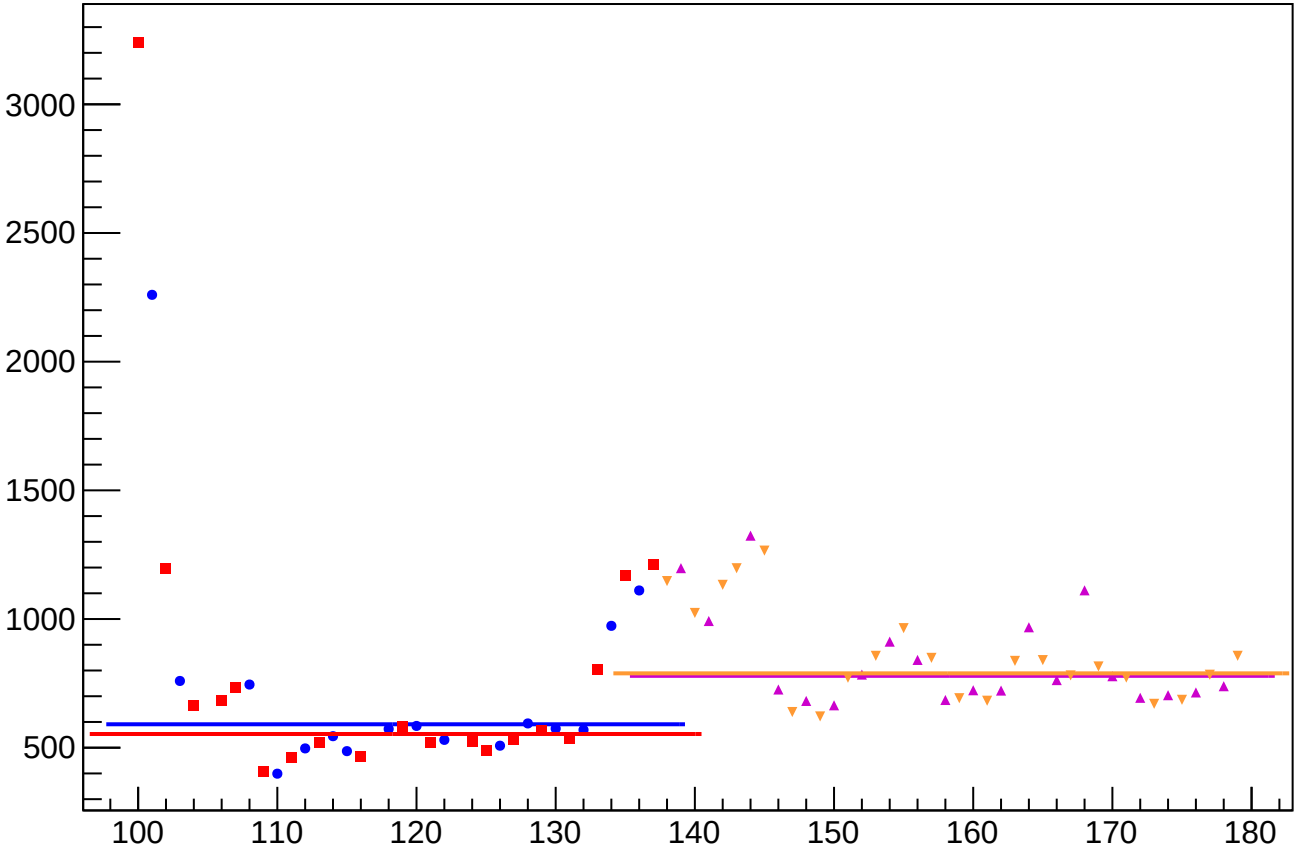
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 157.649+/-150.472 χ^2/NDF:32.1/35

Out: -124.922+/-144.002 χ^2/NDF:88.0/40

All: 10.159+/-104.037 χ^2/NDF: 121.9/76

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 779.280+/-0.139 χ^2/NDF:1037513.4/19

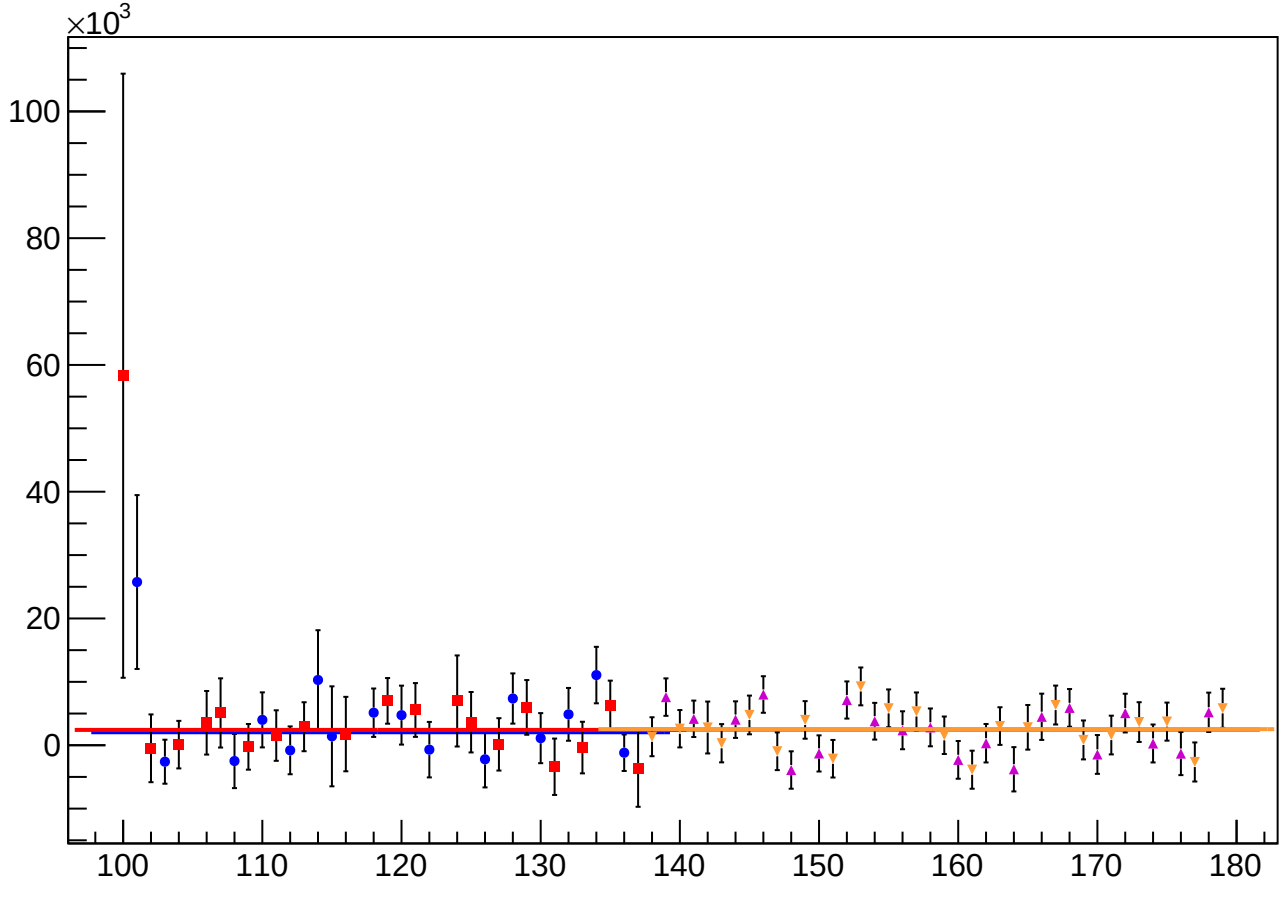
Left: 784.182+/-0.098 χ^2/NDF: 2225971.5/41

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.089+/-0.106 χ^2/NDF:3364234.4/35

Out: 684.066+/-0.102 χ^2/NDF:3610655.8/40

All: 692.204+/-0.074 χ^2/NDF: 6988250.1/76



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2535.684+/-654.216 χ^2/NDF:23.4/21

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2470.337+/-677.263 χ^2/NDF:29.3/19

Left: 2504.141+/-470.537 χ^2/NDF: 52.7/41

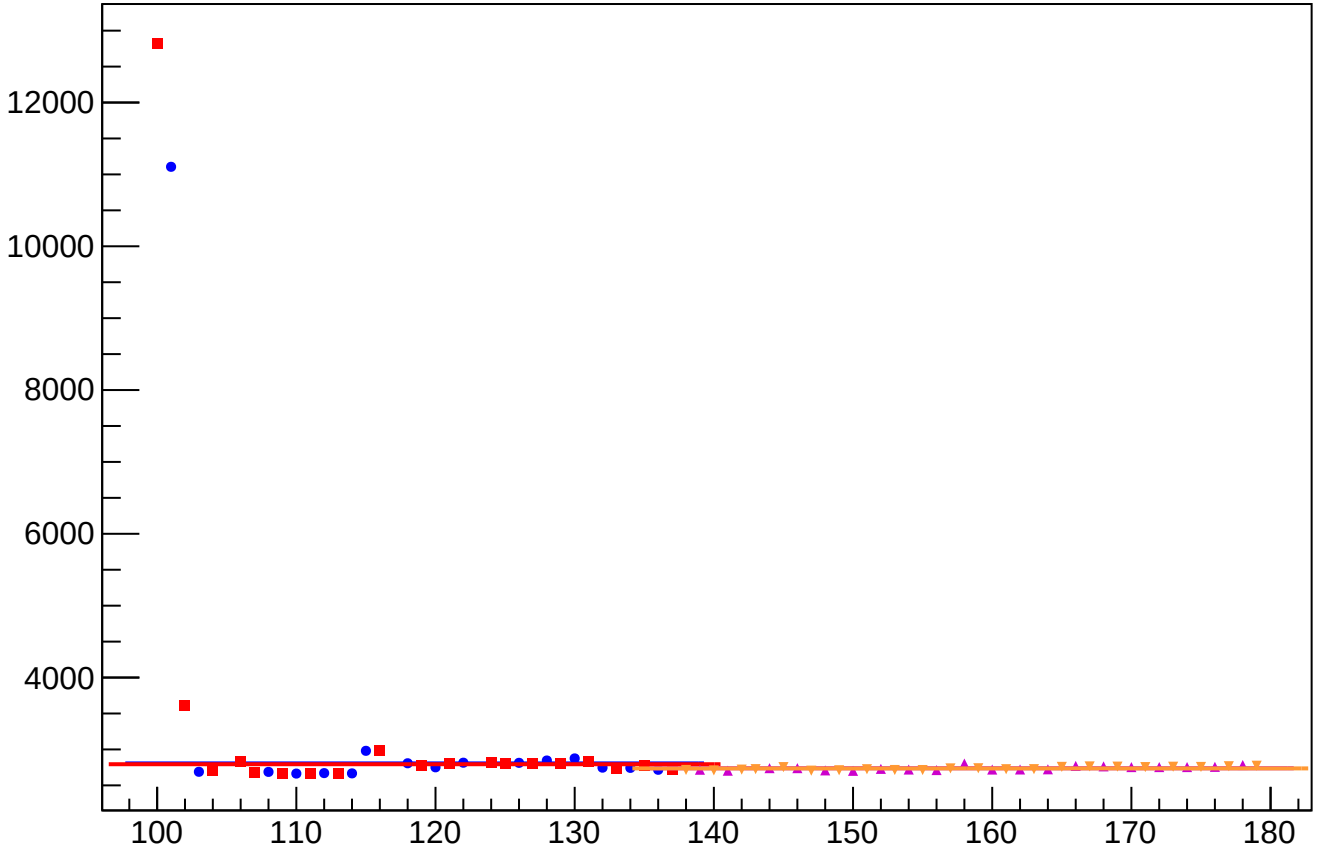
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2349.793+/-572.323 χ^2/NDF:47.2/35

Out: 2502.194+/-553.438 χ^2/NDF:34.2/40

All: 2428.549+/-397.849 χ^2/NDF: 81.4/76

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2736.015+/-0.463 χ^2/NDF:2203.3/21

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2738.084+/-0.479 χ^2/NDF:3233.9/19

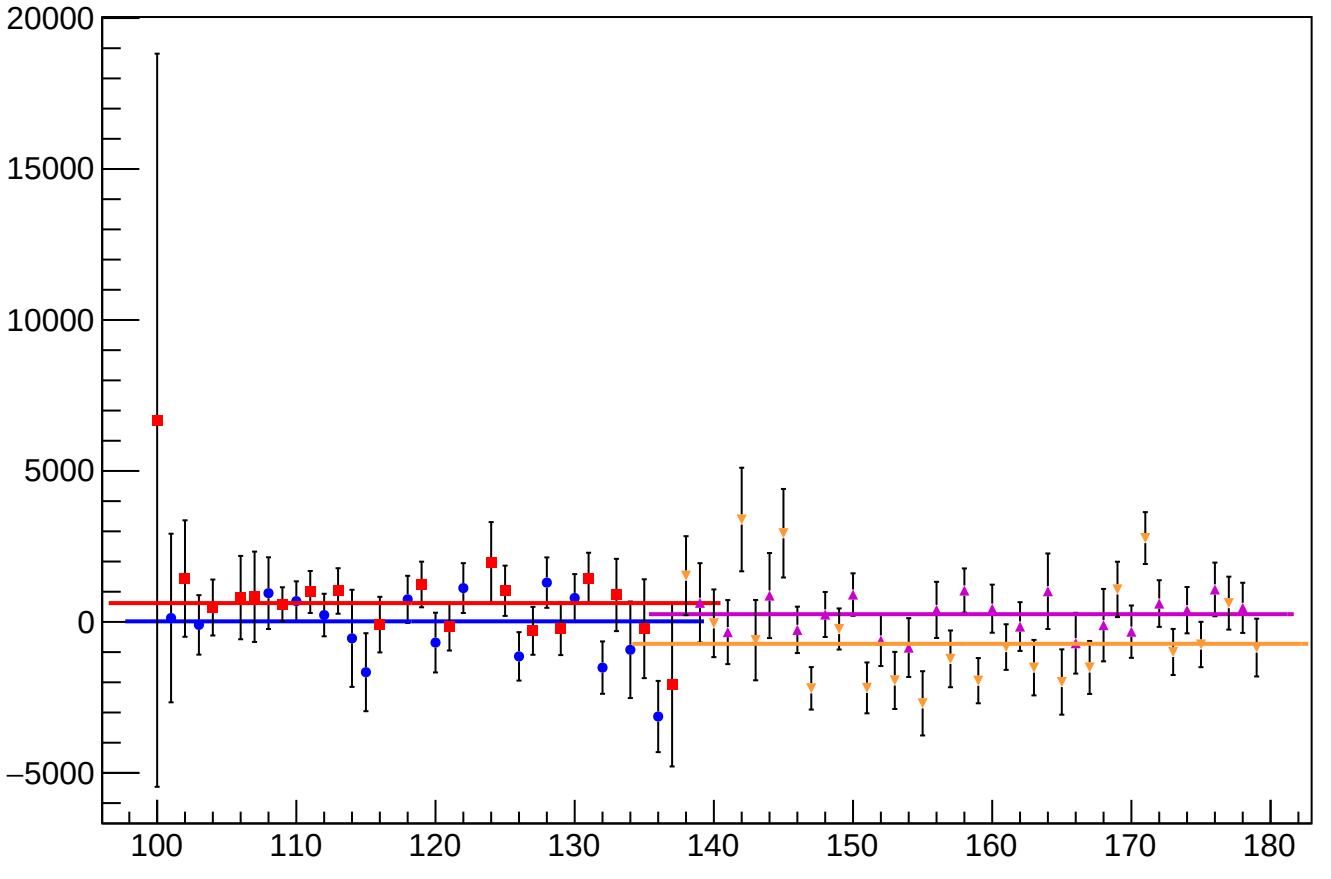
Left: 2737.014+/-0.333 χ^2/NDF: 5446.9/41

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.342+/-0.405 χ^2/NDF:755129.9/35

Out: 2752.548+/-0.391 χ^2/NDF:153439.6/40

All: 2754.864+/-0.281 χ^2/NDF: 908642.1/76



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -725.252+/-193.272 χ^2/NDF:57.2/21

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 256.204+/-196.797 χ^2/NDF:8.7/19

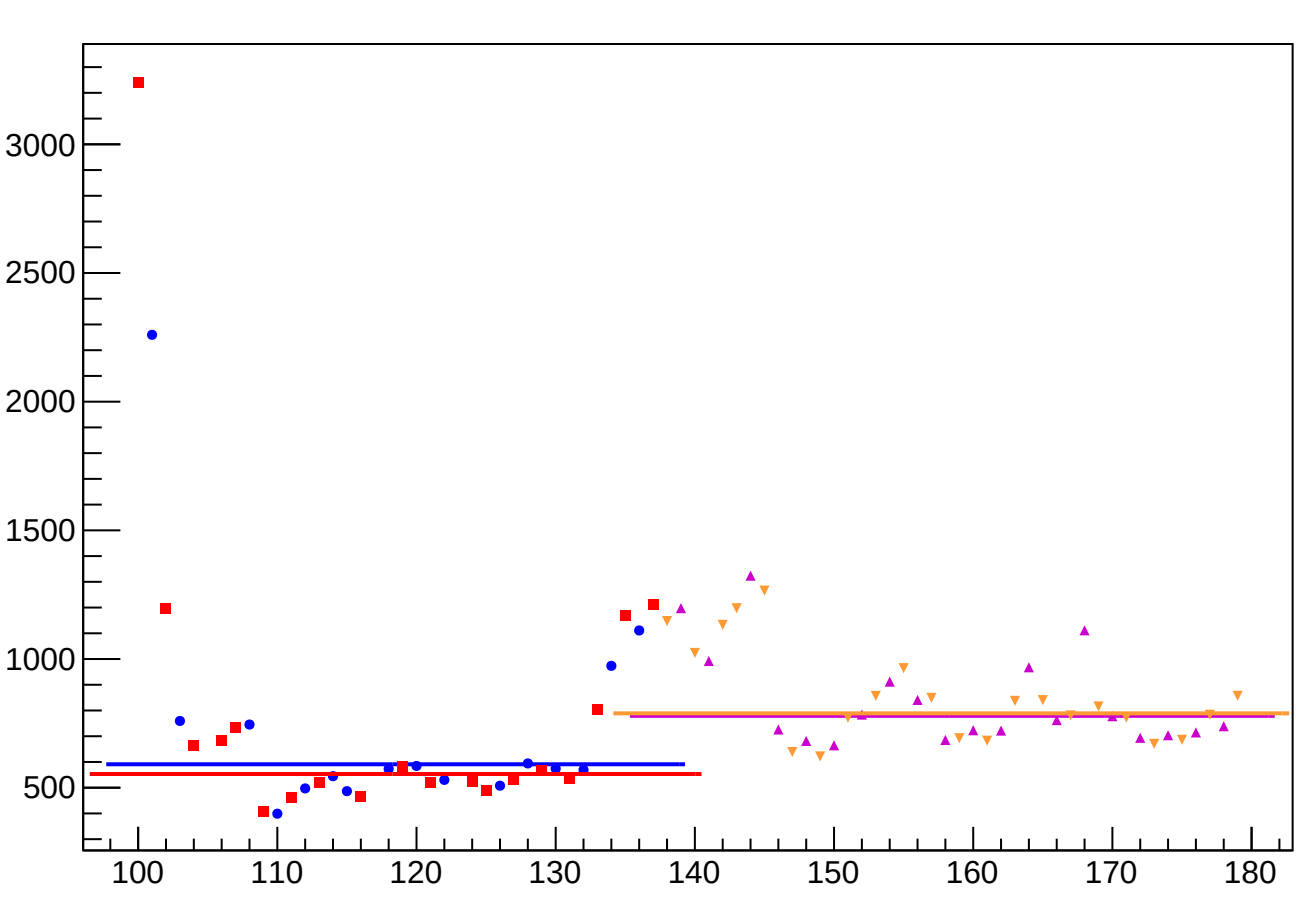
Left: -243.392+/-137.894 χ^2/NDF: 78.6/41

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 157.649+/-150.472 χ^2/NDF:32.1/35

Out: -124.922+/-144.002 χ^2/NDF:88.0/40

All: 10.159+/-104.037 χ^2/NDF: 121.9/76



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 788.911+/-0.137 χ^2/NDF:1186019.8/21

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 779.280+/-0.139 χ^2/NDF:1037513.4/19

Left: 784.182+/-0.098 χ^2/NDF: 2225971.5/41

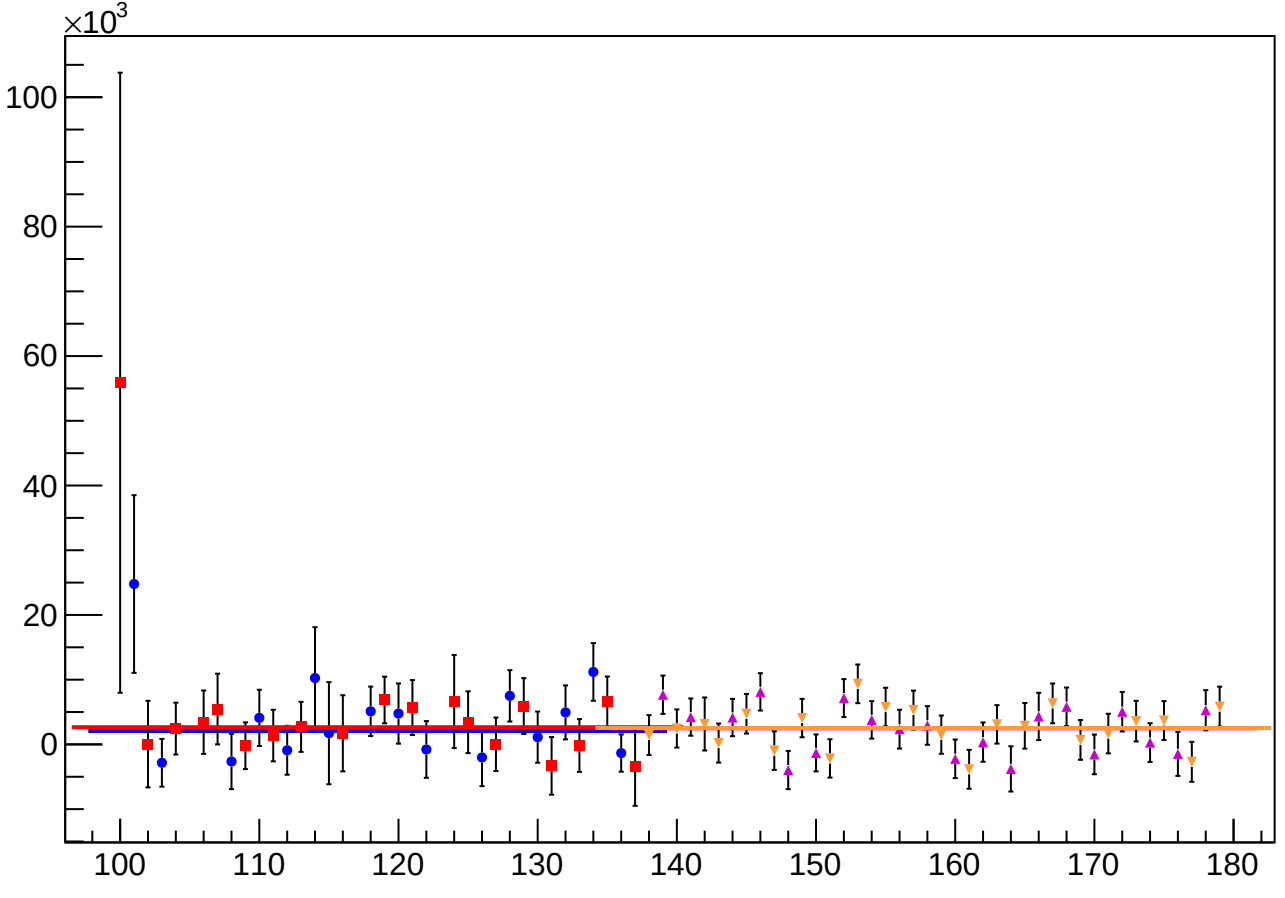
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.089+/-0.106 χ^2/NDF:3364234.4/35

Out: 684.066+/-0.102 χ^2/NDF:3610655.8/40

All: 692.204+/-0.074 χ^2/NDF: 6988250.1/76

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2528.772+/-654.651 χ^2/NDF:23.6/21

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2480.506+/-677.653 χ^2/NDF:29.7/19

Left: 2505.472+/-470.830 χ^2/NDF: 53.3/41

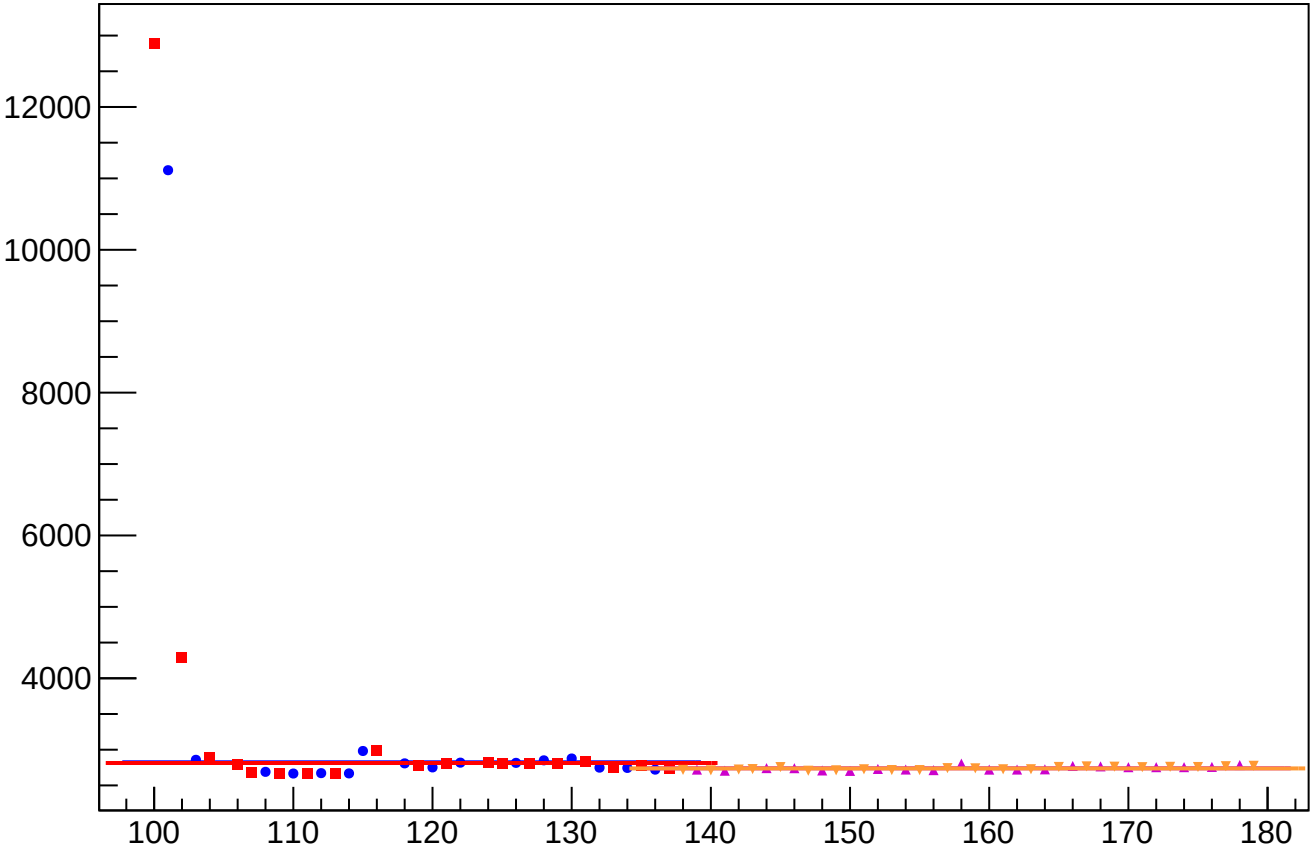
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2365.460+/-573.590 χ^2/NDF:47.7/35

Out: 2564.756+/-555.503 χ^2/NDF:33.5/40

All: 2468.300+/-399.041 χ^2/NDF: 81.3/76

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2739.654+/-0.479 χ^2/NDF:3247.7/19

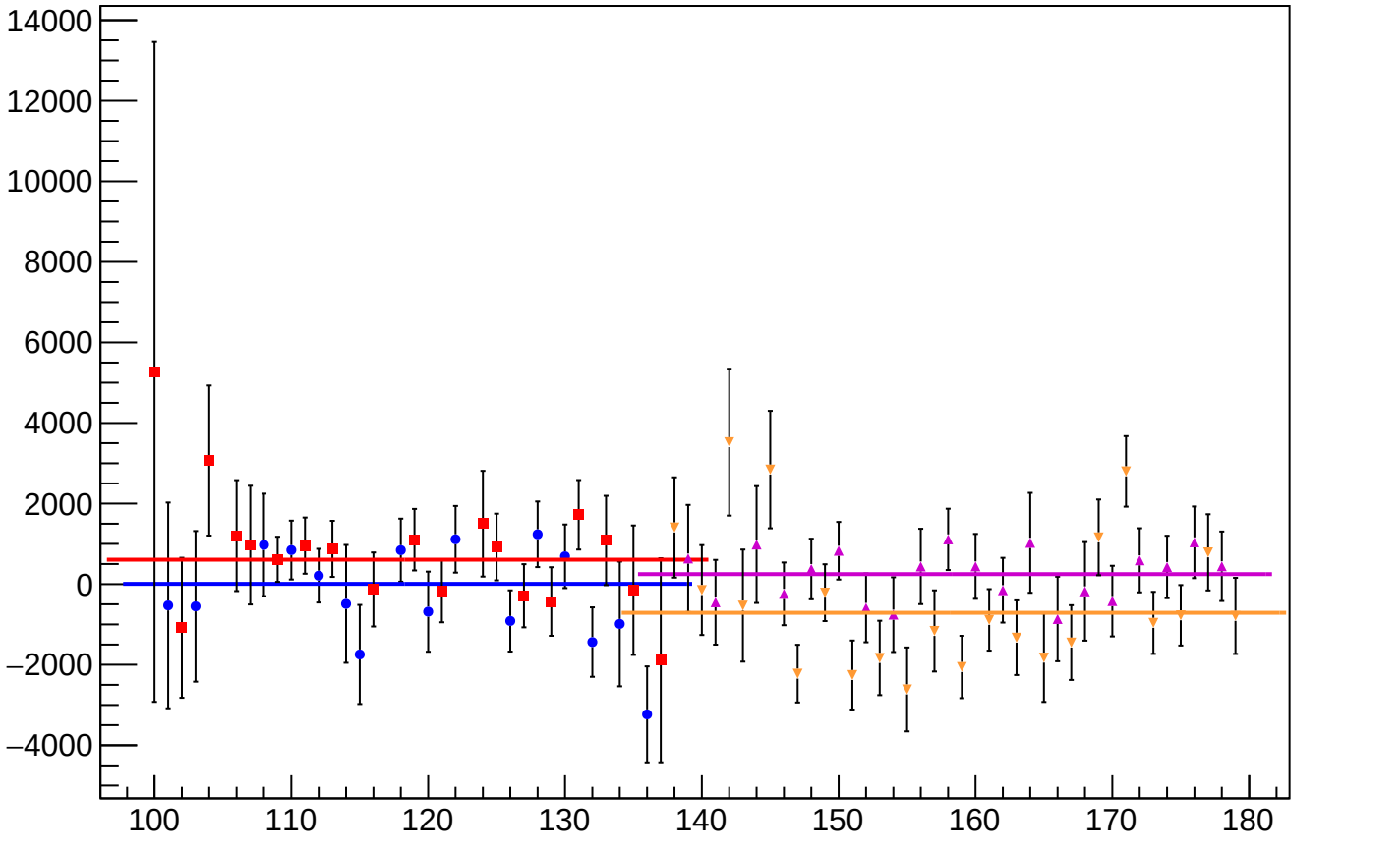
Left: 2738.710+/-0.333 χ^2/NDF: 5468.7/41

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.414+/-0.406 χ^2/NDF:755834.7/35

Out: 2759.104+/-0.393 χ^2/NDF:210270.4/40

All: 2761.190+/-0.282 χ^2/NDF: 966163.3/76



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 248.531+/-199.228 χ^2/NDF:8.9/19

Left: -237.107+/-140.005 χ^2/NDF: 76.3/41

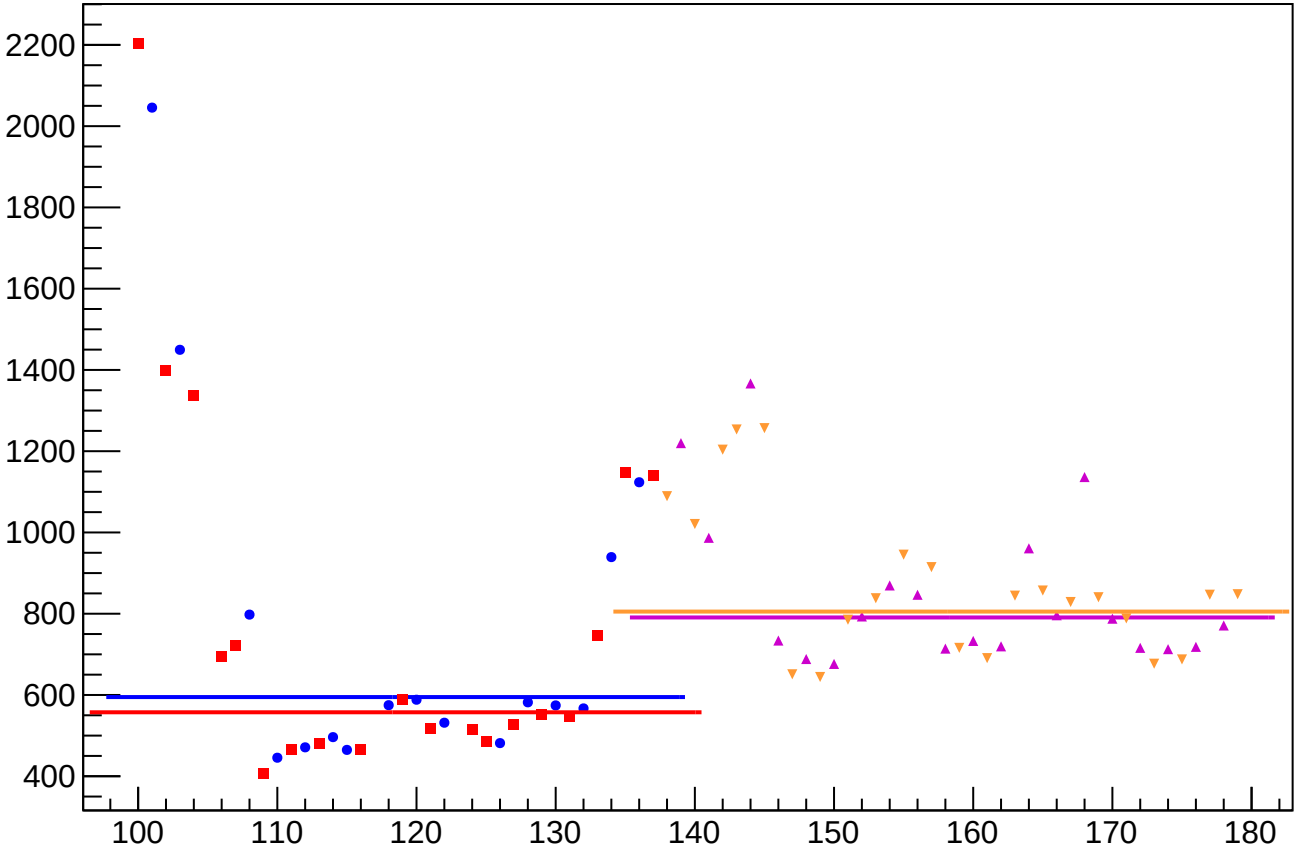
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 148.768+/-152.624 χ^2/NDF:32.4/35

Out: -116.173+/-145.802 χ^2/NDF:88.0/40

All: 10.244+/-105.427 χ^2/NDF: 121.9/76

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 805.252+/-0.139 χ^2/NDF:1131833.3/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 790.767+/-0.141 χ^2/NDF:1009143.0/19

Left: 798.099+/-0.099 χ^2/NDF: 2146327.5/41

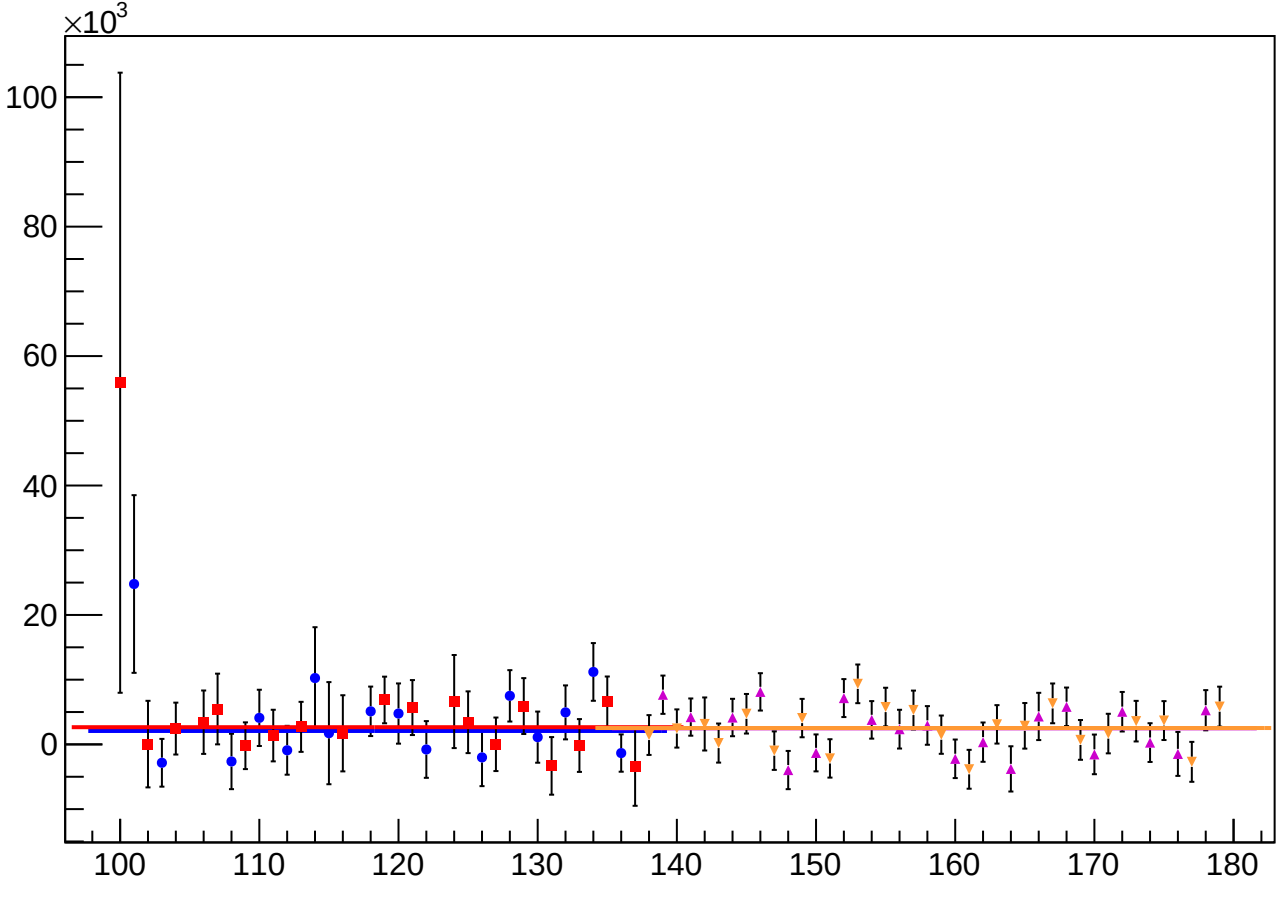
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 709.832+/-0.108 χ^2/NDF:3660756.4/35

Out: 693.455+/-0.103 χ^2/NDF:4194207.5/40

All: 701.269+/-0.075 χ^2/NDF: 7867003.8/76

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2528.773+/-654.651 χ^2/NDF:23.6/21

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2480.506+/-677.653 χ^2/NDF:29.7/19

Left: 2505.473+/-470.830 χ^2/NDF: 53.3/41

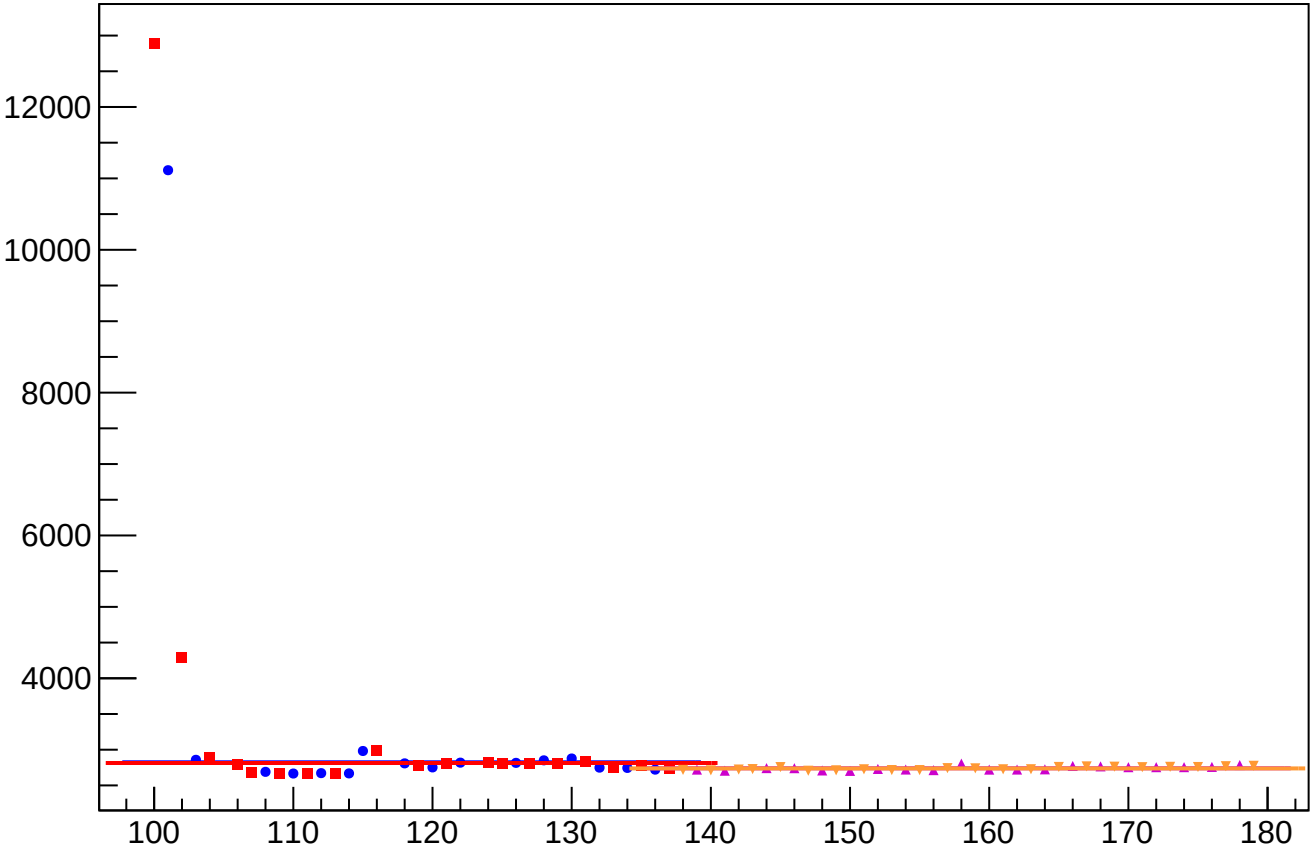
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2365.460+/-573.590 χ^2/NDF:47.7/35

Out: 2564.756+/-555.503 χ^2/NDF:33.5/40

All: 2468.300+/-399.041 χ^2/NDF: 81.3/76

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2737.829+/-0.463 χ^2/NDF:2213.5/21

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2739.654+/-0.479 χ^2/NDF:3247.7/19

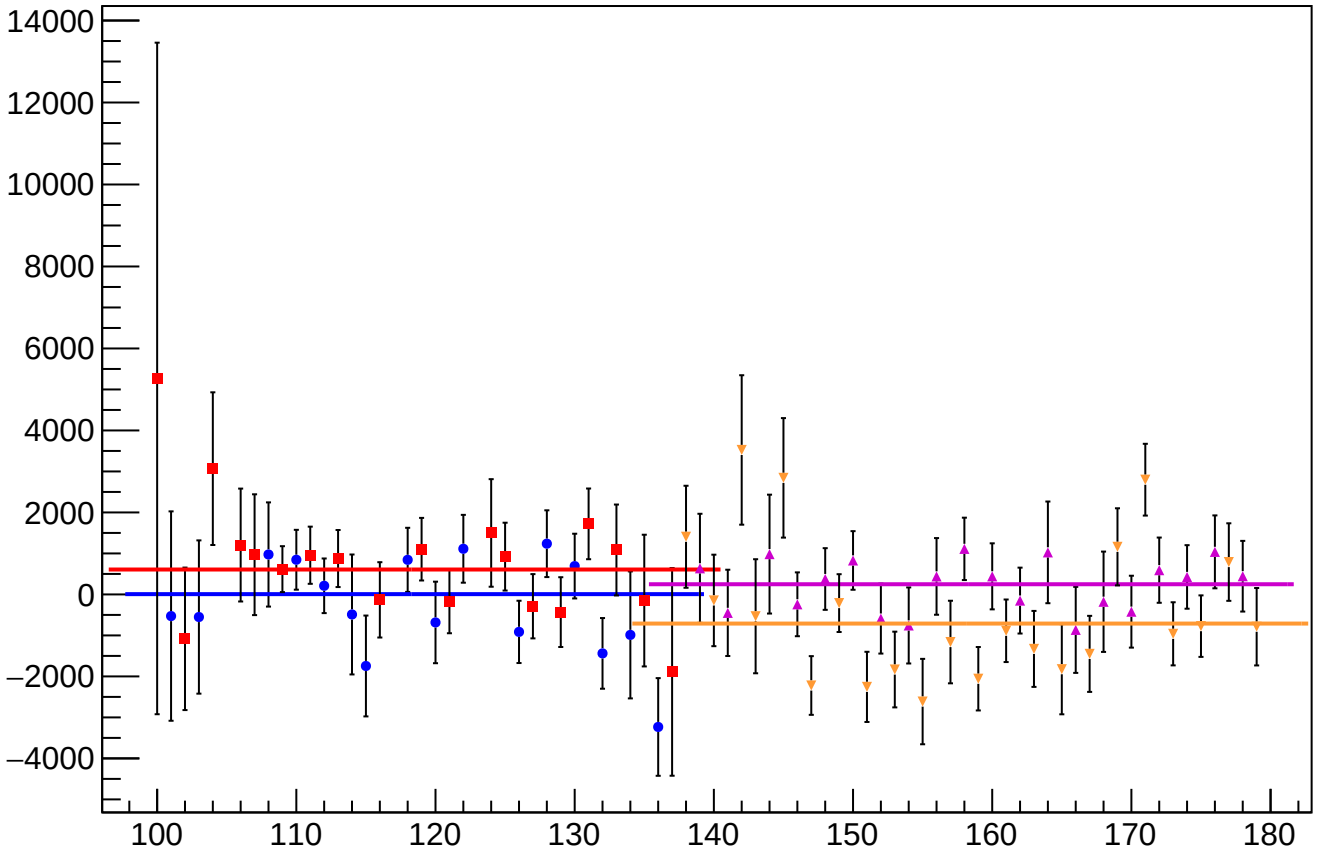
Left: 2738.710+/-0.333 χ^2/NDF: 5468.7/41

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.414+/-0.406 χ^2/NDF:755834.7/35

Out: 2759.104+/-0.393 χ^2/NDF:210270.1/40

All: 2761.190+/-0.282 χ^2/NDF: 966163.0/76



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -710.926+/-196.789 χ^2/NDF:55.6/21

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 248.531+/-199.228 χ^2/NDF:8.9/19

Left: -237.107+/-140.005 χ^2/NDF: 76.3/41

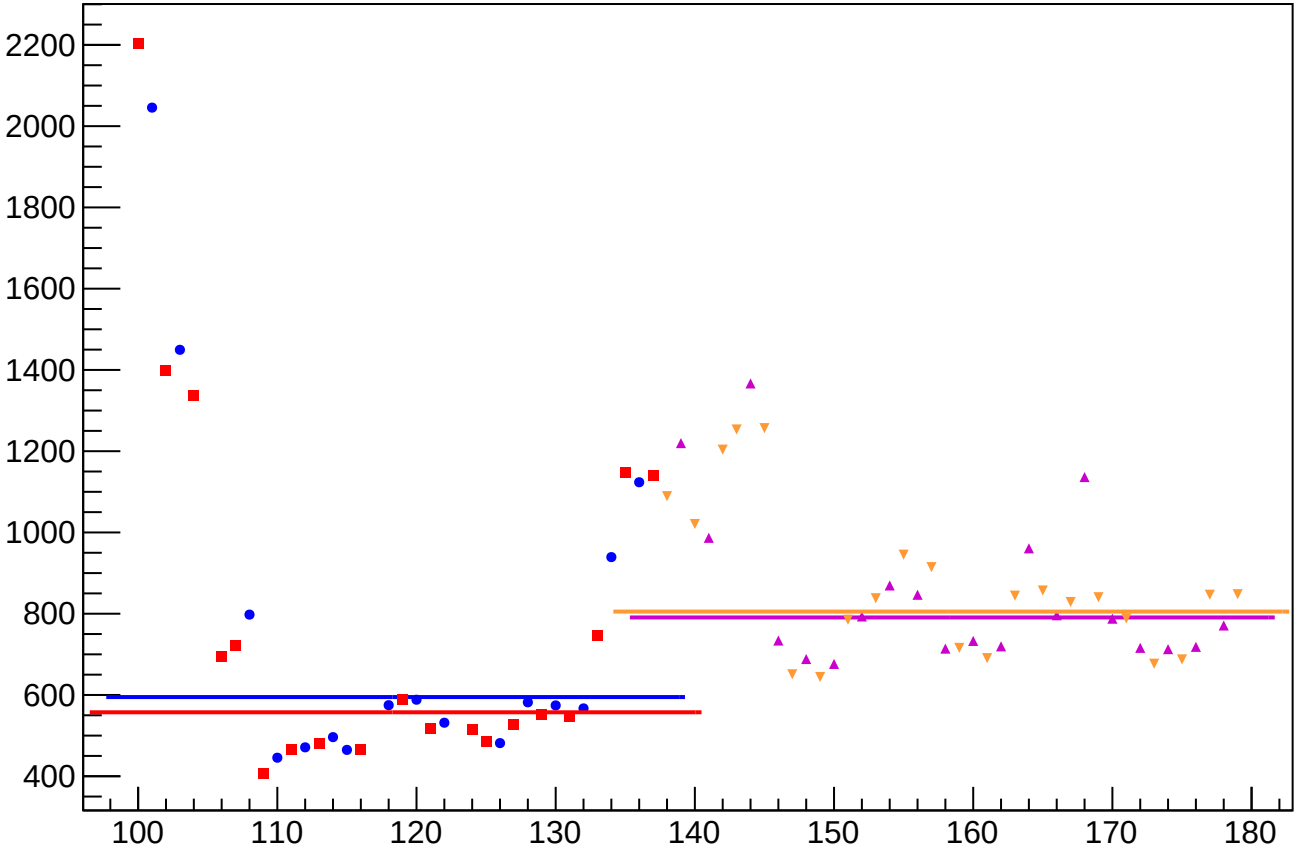
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 148.769+/-152.624 χ^2/NDF:32.4/35

Out: -116.173+/-145.802 χ^2/NDF:88.0/40

All: 10.244+/-105.427 χ^2/NDF: 121.9/76

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 805.252+/-0.139 χ^2/NDF:1131835.5/21

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 790.767+/-0.141 χ^2/NDF:1009147.0/19

Left: 798.099+/-0.099 χ^2/NDF: 2146333.9/41

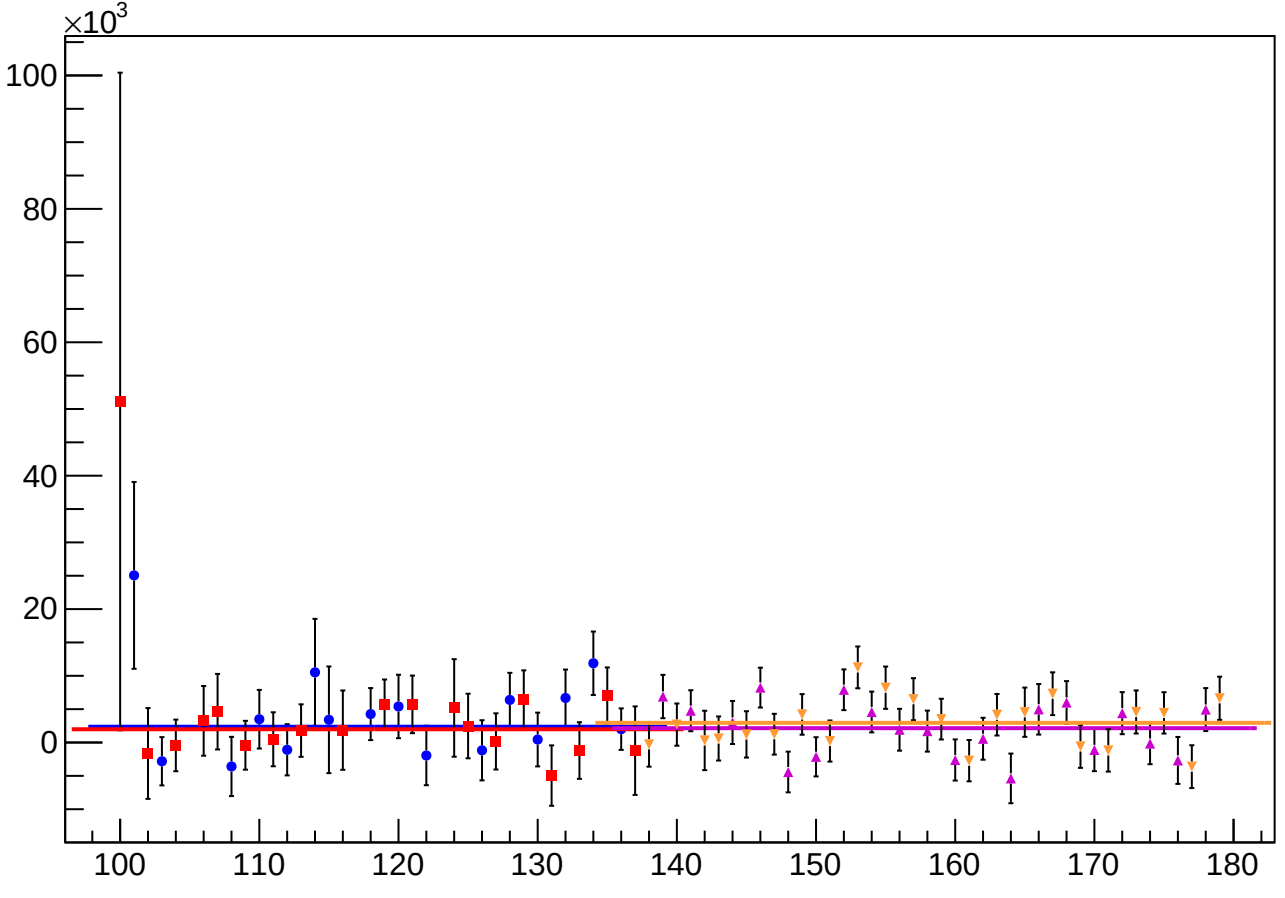
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 709.832+/-0.108 χ^2/NDF:3660749.8/35

Out: 693.455+/-0.103 χ^2/NDF:4194204.9/40

All: 701.270+/-0.075 χ^2/NDF: 7866994.7/76

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2949.109+/-688.429 χ^2/NDF:28.8/21

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2148.808+/-710.769 χ^2/NDF:31.5/19

Left: 2561.733+/-494.502 χ^2/NDF: 61.0/41

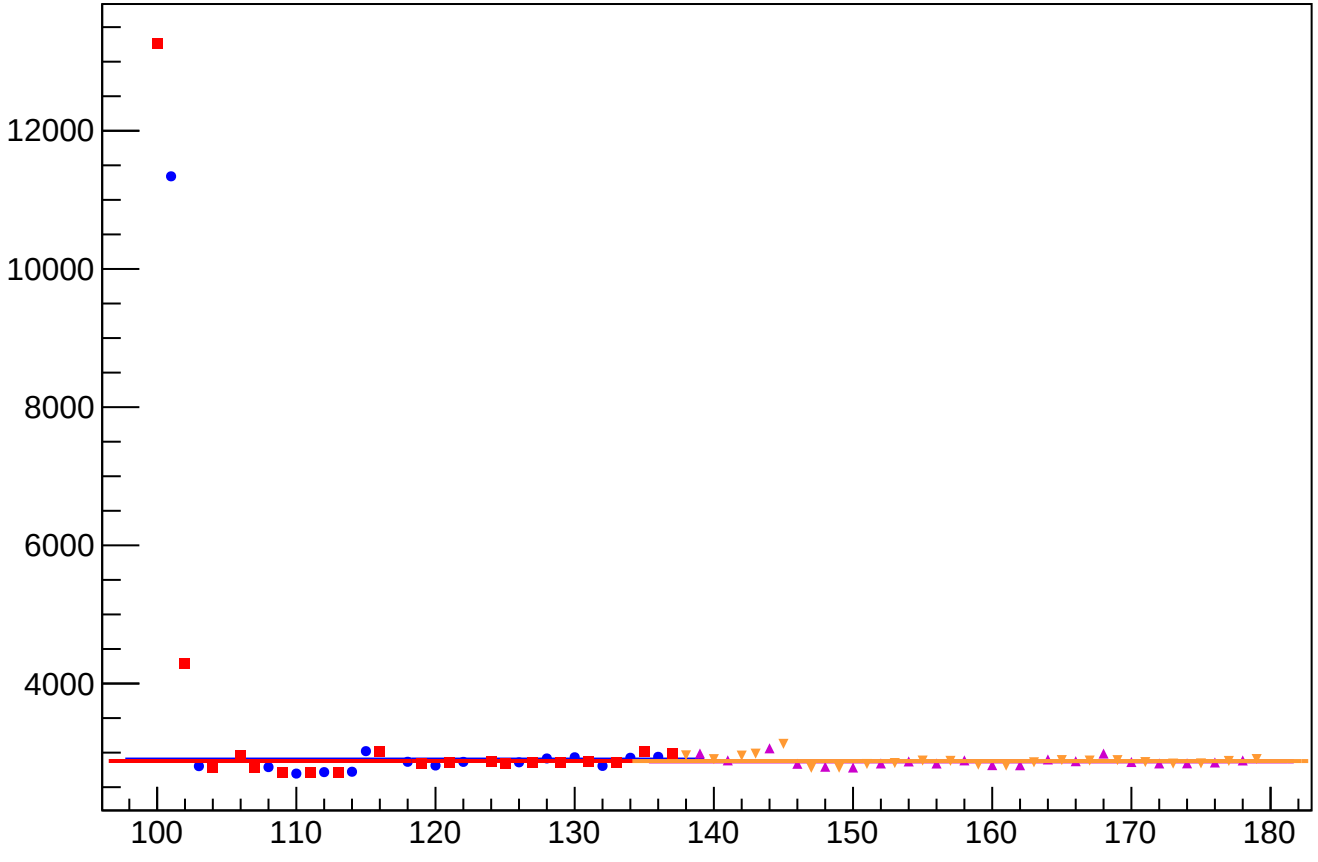
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2212.616+/-597.972 χ^2/NDF:48.4/35

Out: 2669.419+/-579.788 χ^2/NDF:39.7/40

All: 2448.069+/-416.252 χ^2/NDF: 88.4/76

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2877.932+/-0.487 χ^2/NDF:21294.0/21

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2872.693+/-0.503 χ^2/NDF:17412.8/19

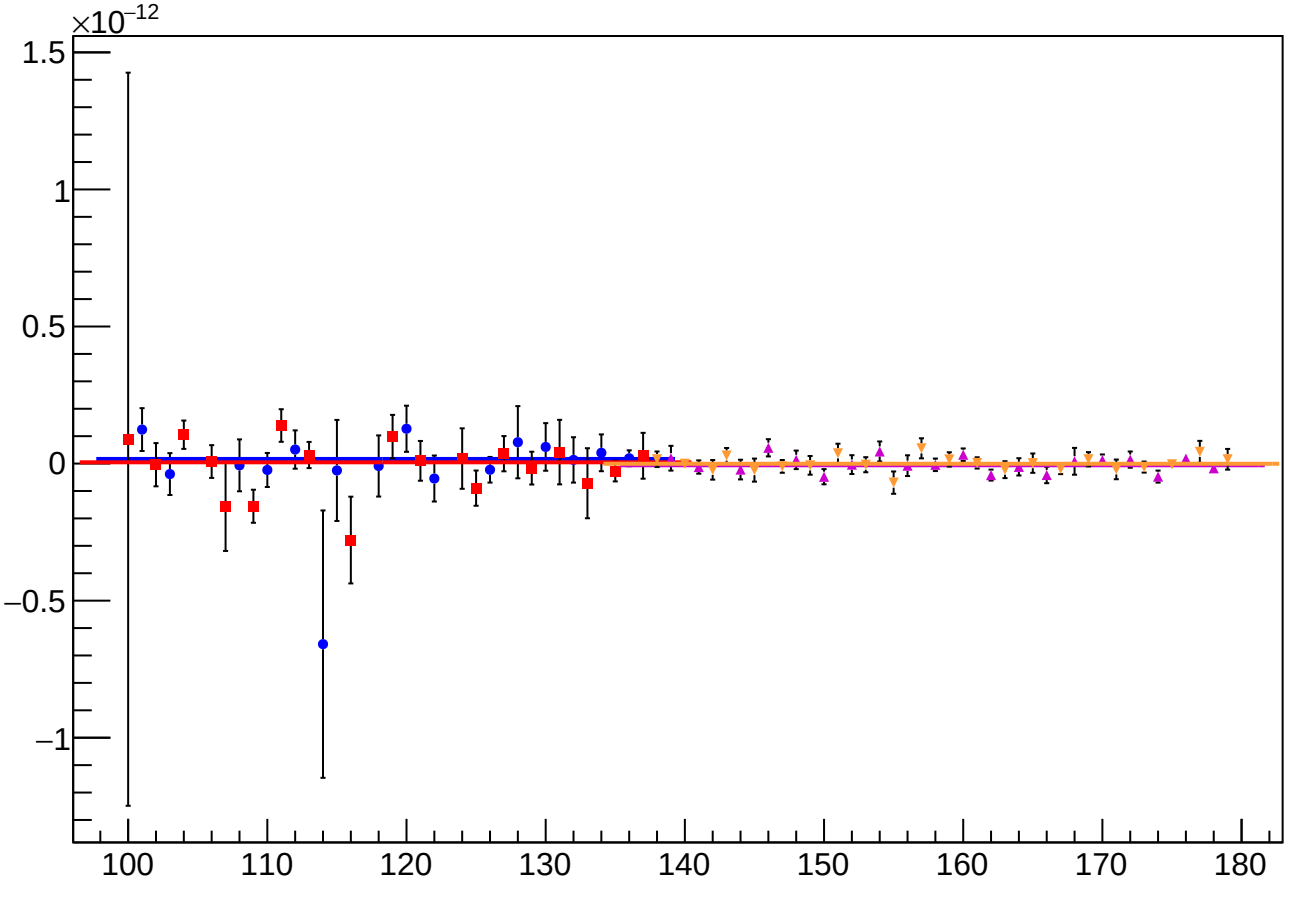
Left: 2875.396+/-0.350 χ^2/NDF: 38762.8/41

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.622+/-0.423 χ^2/NDF:760082.7/35

Out: 2878.230+/-0.410 χ^2/NDF:214577.7/40

All: 2879.389+/-0.294 χ^2/NDF: 974676.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:24.8/19

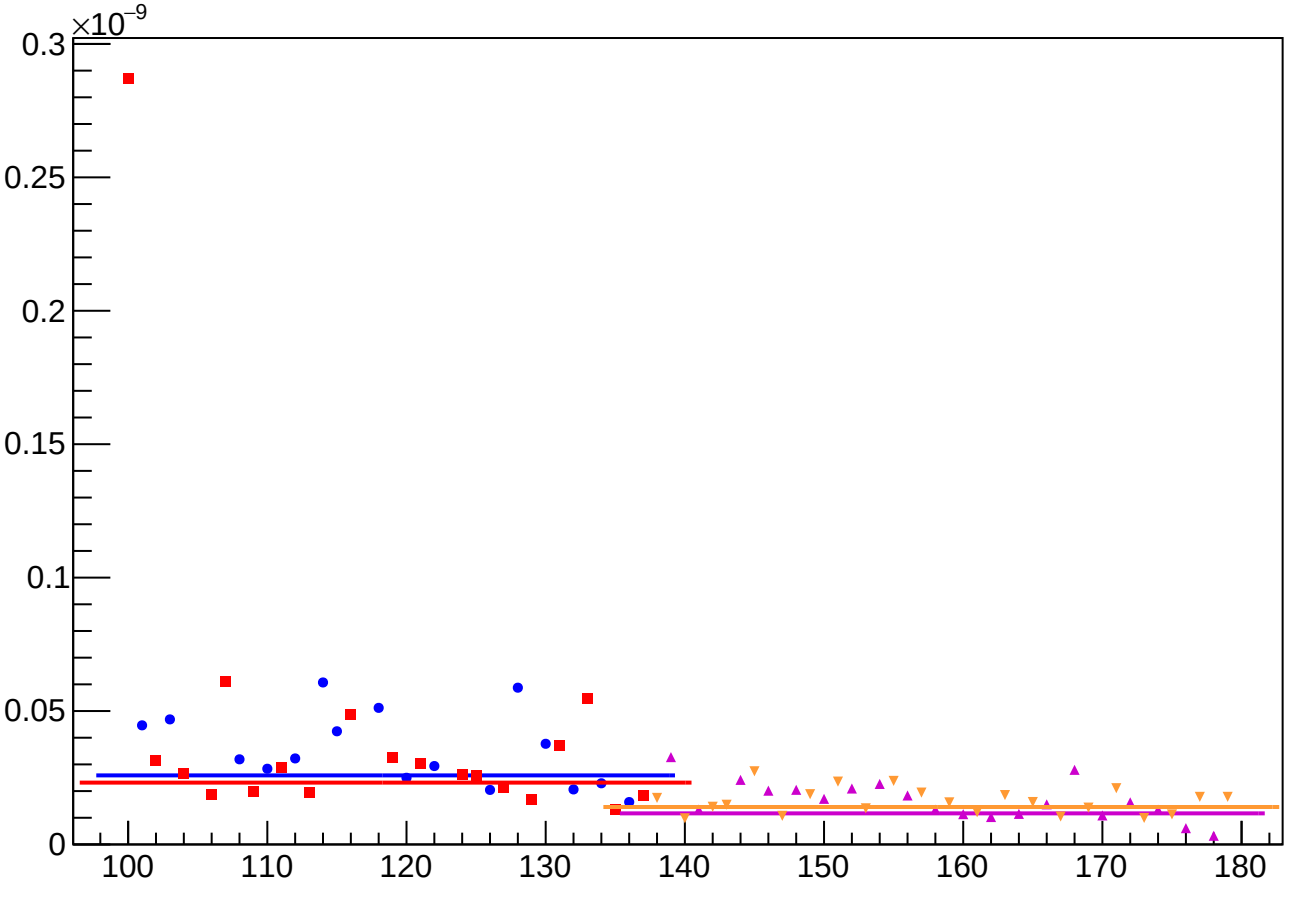
Left: -0.000+/-0.000 χ^2/NDF: 38.5/41

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:35.4/35

Out: -0.000+/-0.000 χ^2/NDF:38.9/40

All: -0.000+/-0.000 χ^2/NDF: 74.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1123001.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3006167.5/19

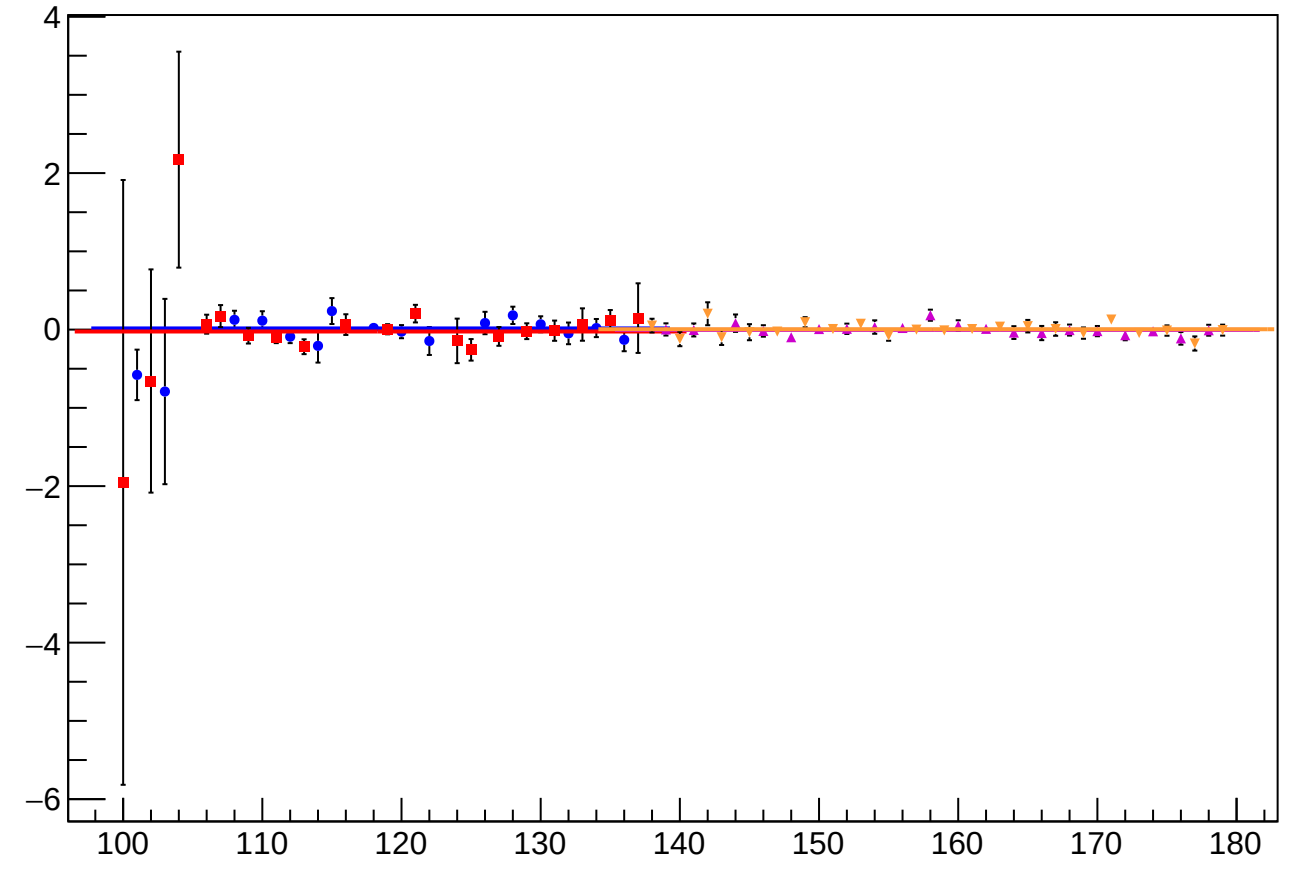
Left: 0.000+/-0.000 χ^2/NDF: 4313765.7/41

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:5161396.5/35

Out: 0.000+/-0.000 χ^2/NDF:2412186.5/40

All: 0.000+/-0.000 χ^2/NDF: 7734641.5/76



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/19

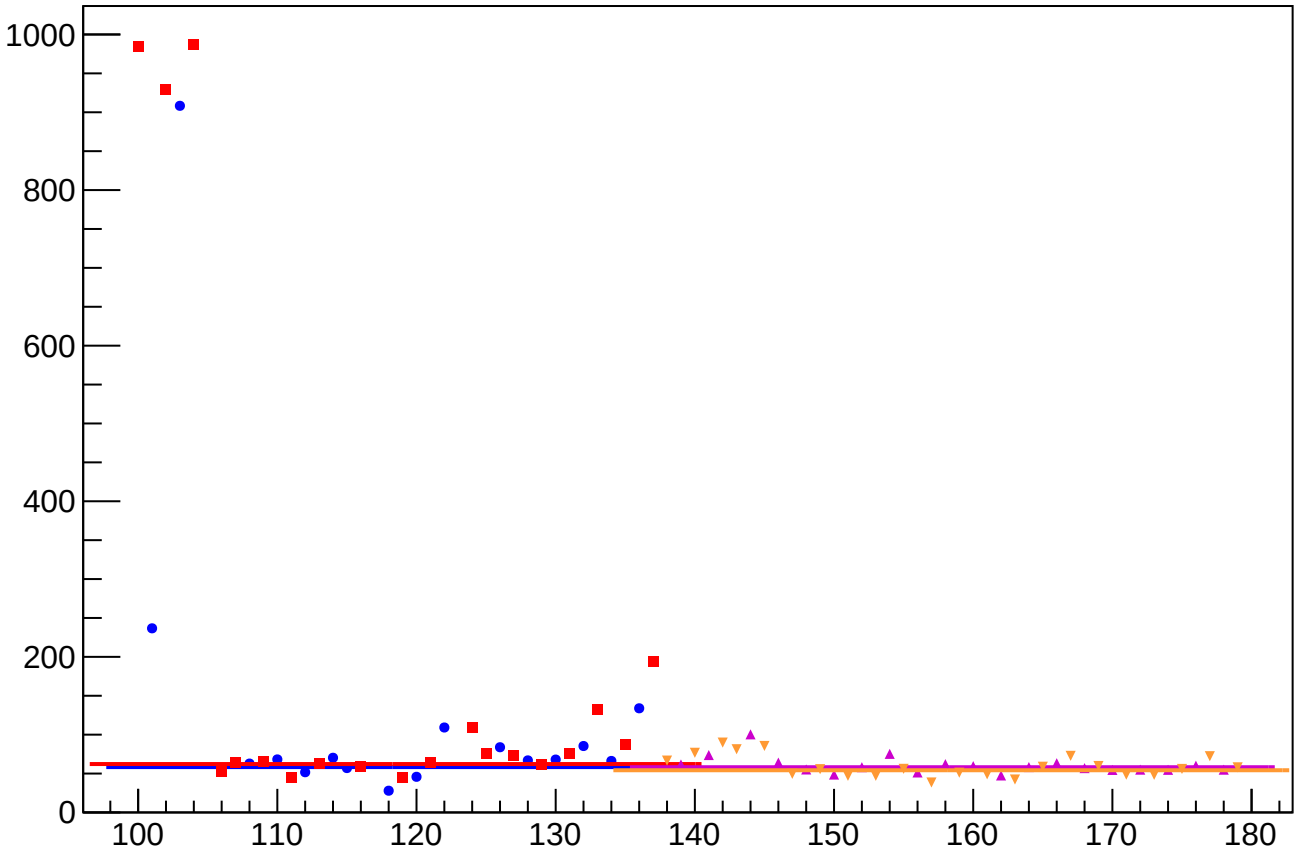
Left: 0.001+/-0.011 χ^2/NDF: 34.9/41

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.000+/-0.009 χ^2/NDF: 71.7/76



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.257+/-0.010 χ^2/NDF:1181097.5/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.129+/-0.011 χ^2/NDF:641899.9/19

Left: 56.059+/-0.008 χ^2/NDF: 1887540.0/41

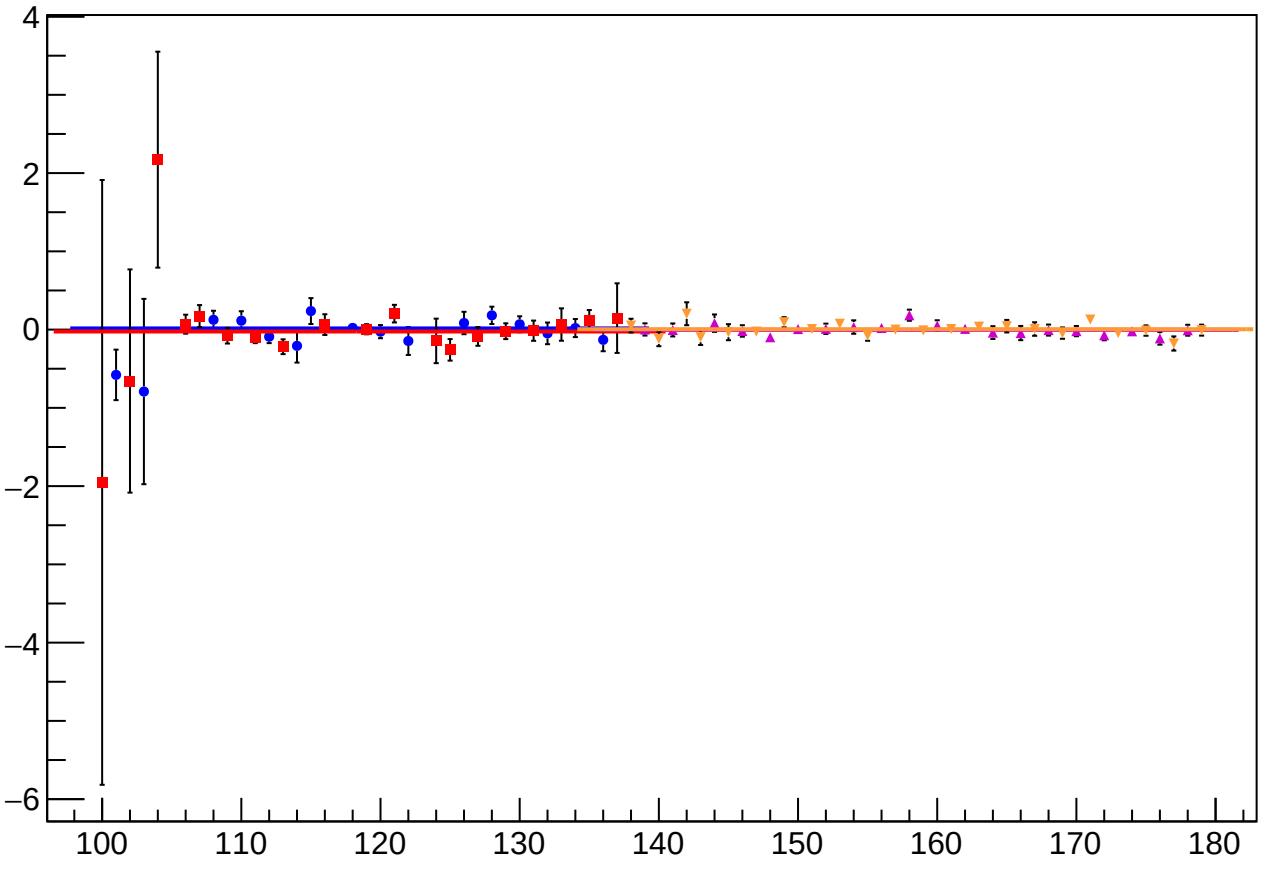
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.173+/-0.010 χ^2/NDF:3902370.3/35

Out: 55.979+/-0.009 χ^2/NDF:3935213.7/40

All: 57.019+/-0.007 χ^2/NDF: 7864521.9/76

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/19

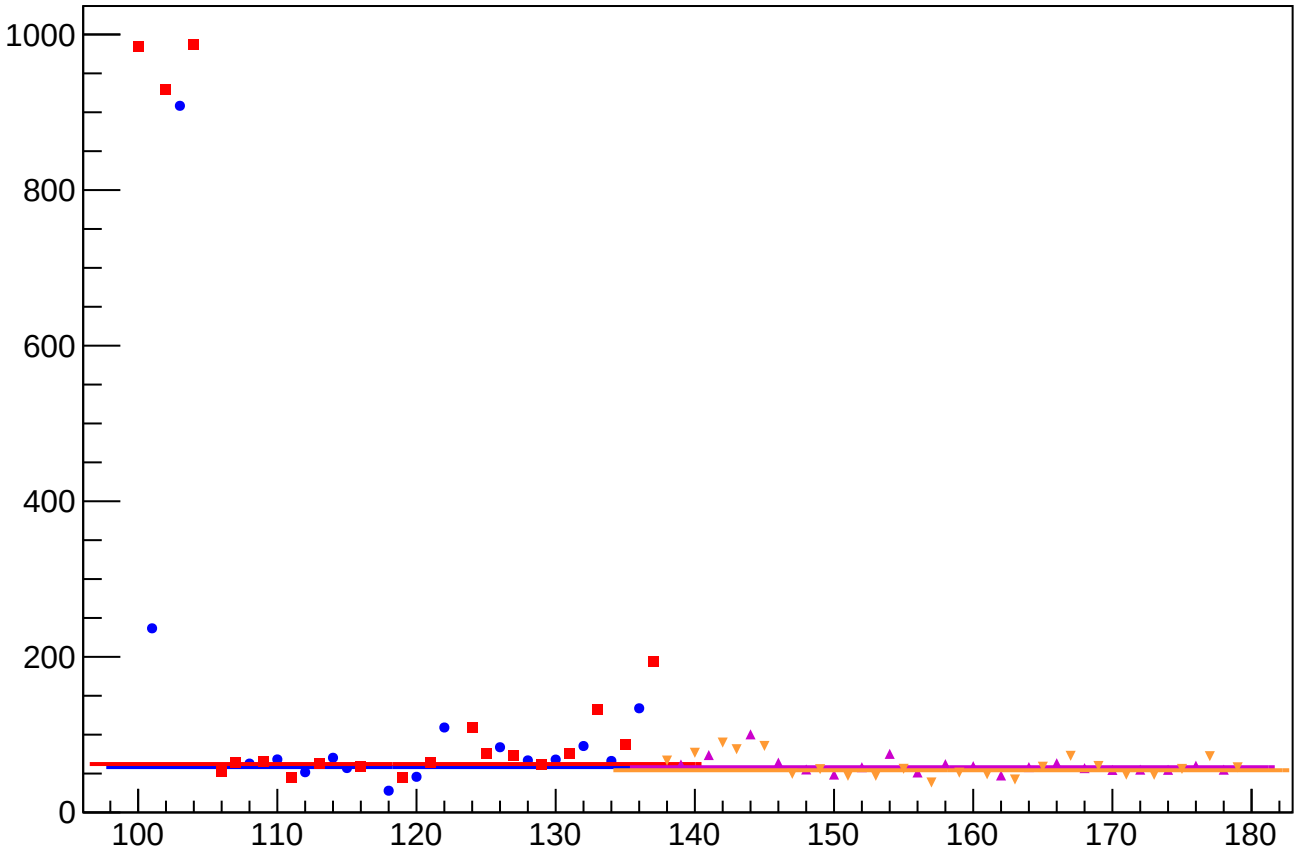
Left: 0.001+/-0.011 χ^2/NDF: 34.9/41

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.000+/-0.009 χ^2/NDF: 71.7/76



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.257+/-0.010 χ^2/NDF:1181097.5/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.129+/-0.011 χ^2/NDF:641899.9/19

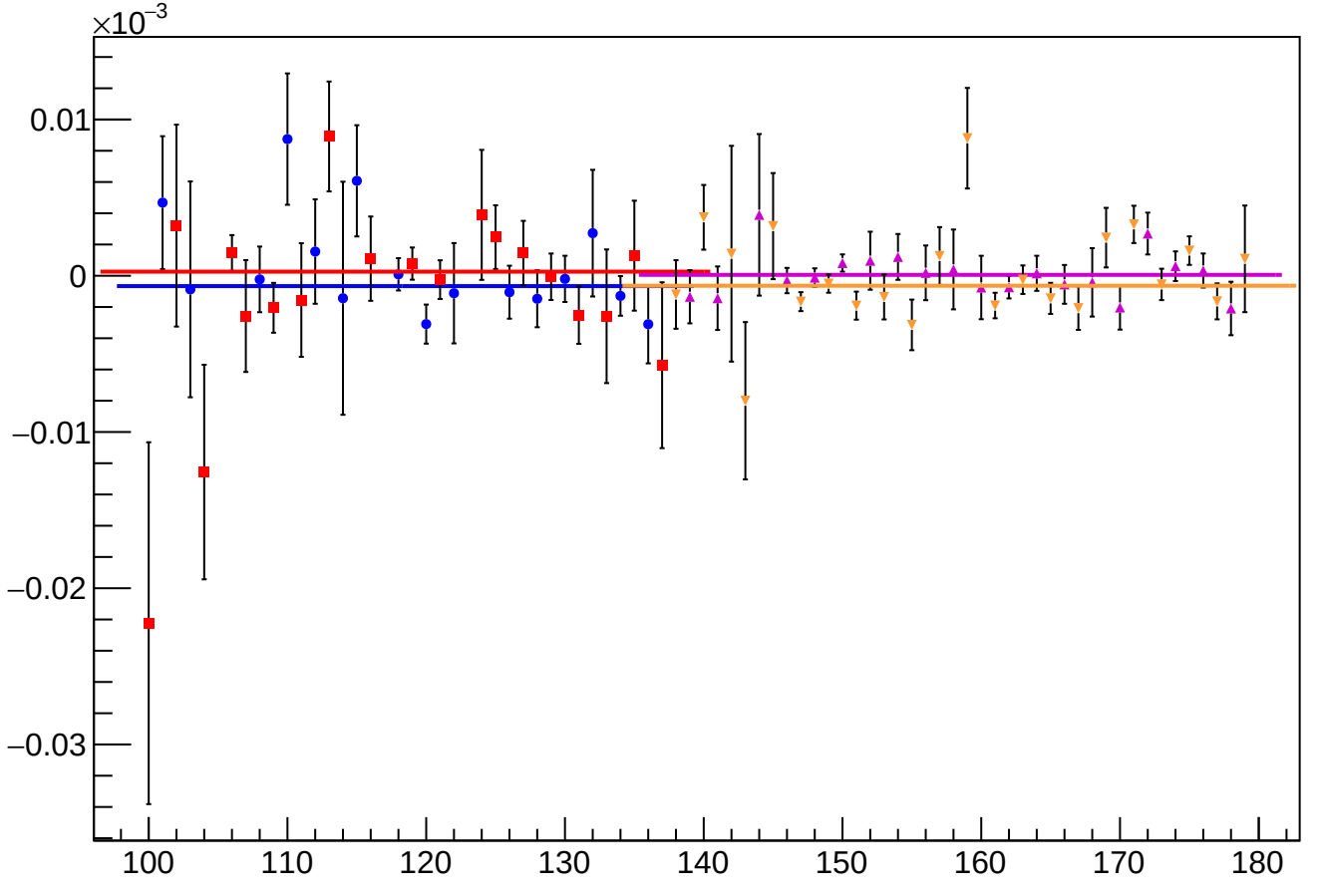
Left: 56.059+/-0.008 χ^2/NDF: 1887540.0/41

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.173+/-0.010 χ^2/NDF:3902370.3/35

Out: 55.979+/-0.009 χ^2/NDF:3935213.7/40

All: 57.019+/-0.007 χ^2/NDF: 7864521.9/76



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/19

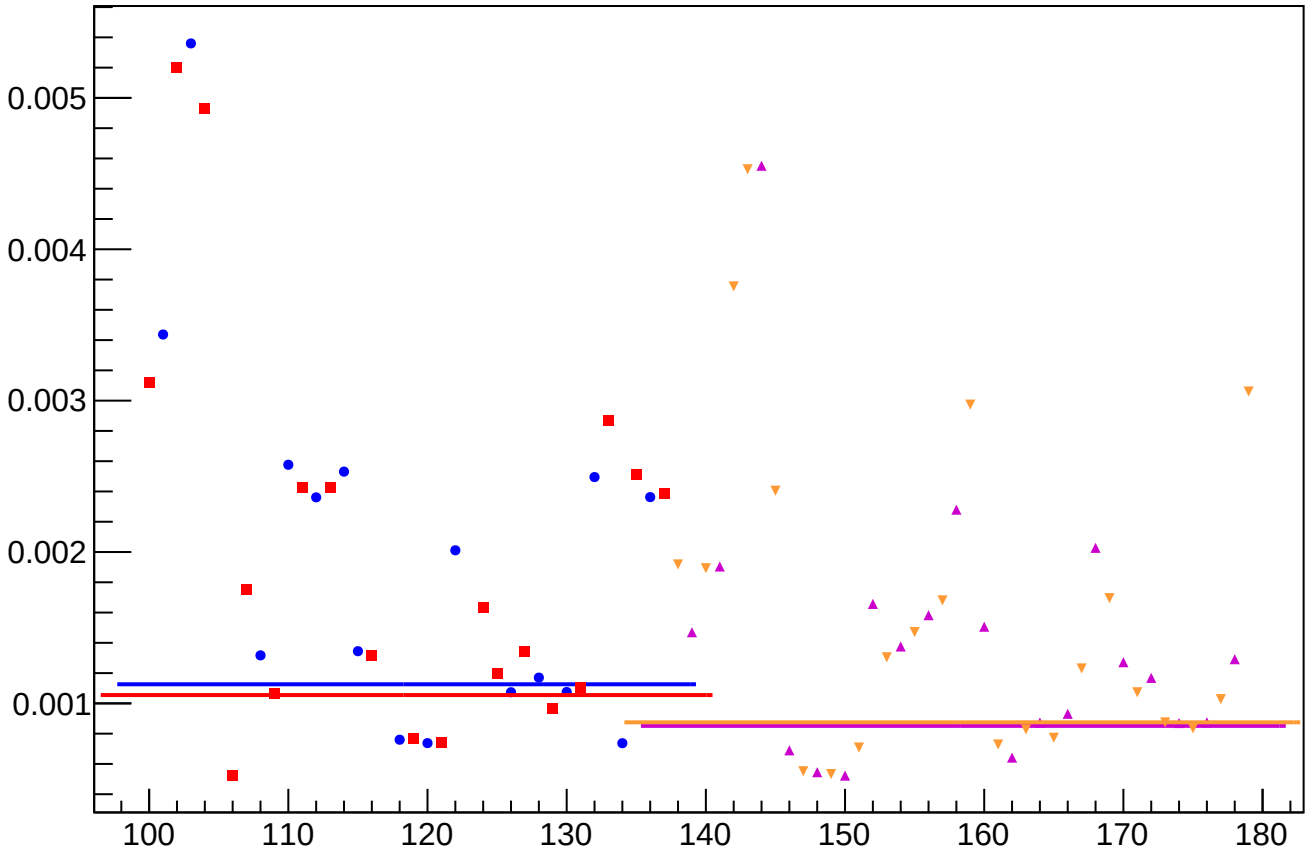
Left: -0.000+/-0.000 χ^2/NDF: 68.7/41

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:33.5/35

Out: -0.000+/-0.000 χ^2/NDF:77.6/40

All: -0.000+/-0.000 χ^2/NDF: 112.5/76



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:7252271.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:6134052.1/19

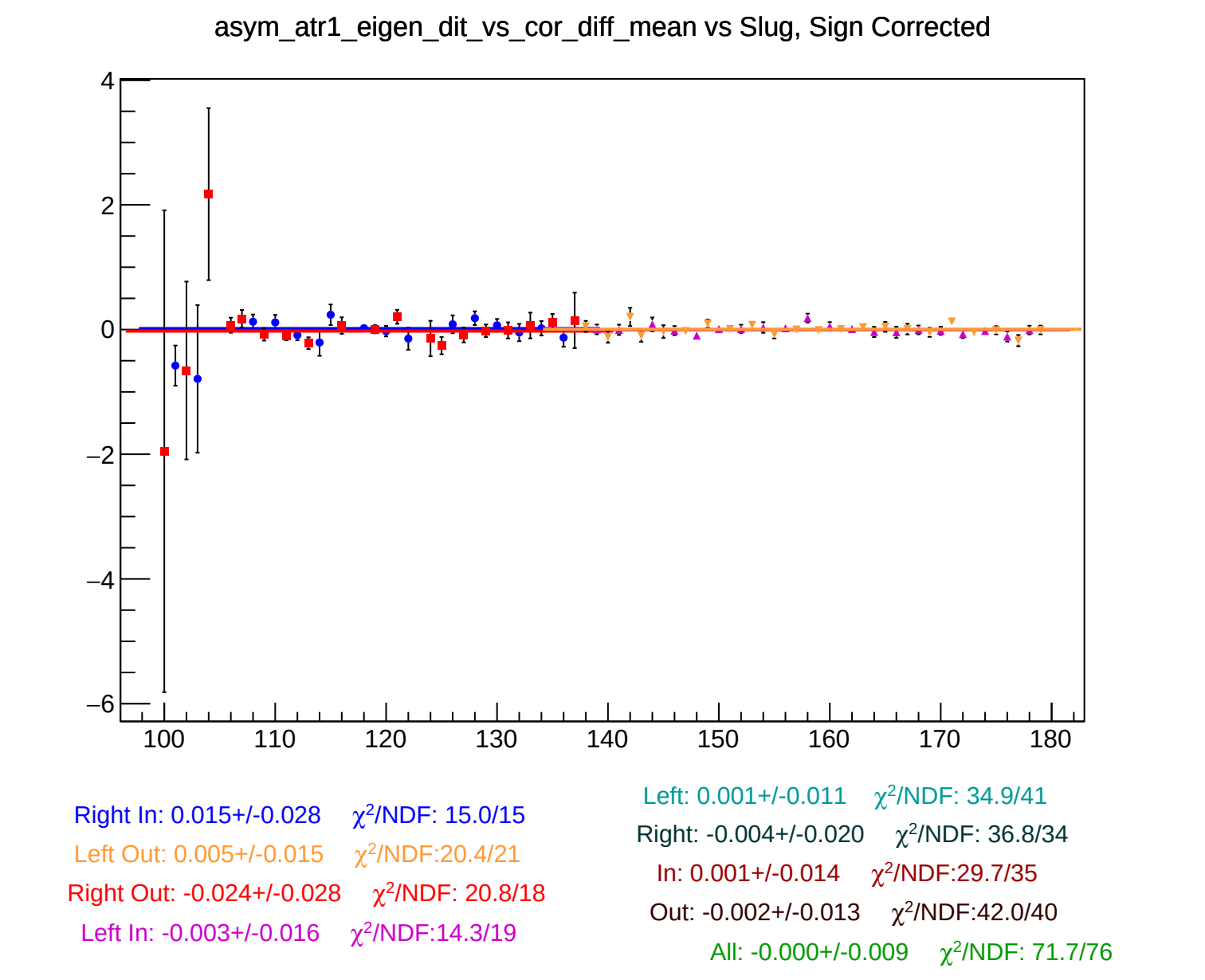
Left: 0.001+/-0.000 χ^2/NDF: 13395530.9/41

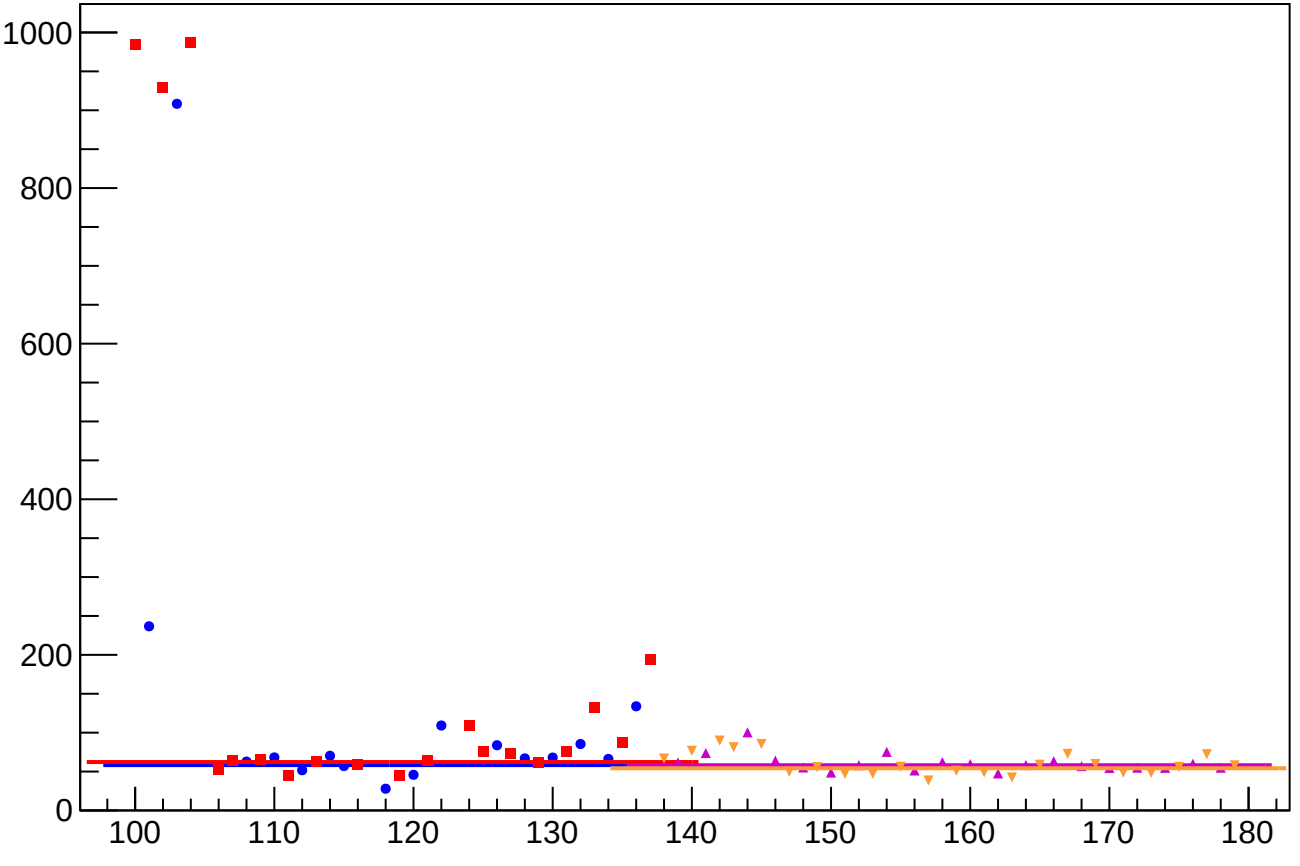
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:10089978.1/35

Out: 0.001+/-0.000 χ^2/NDF:11336725.3/40

All: 0.001+/-0.000 χ^2/NDF: 21427763.2/76


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.005+/-0.015 χ²/NDF:20.4/21
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.003+/-0.016 χ²/NDF:14.3/19
Left: 0.001+/-0.011 χ²/NDF: 34.9/41
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.001+/-0.014 χ²/NDF:29.7/35
Out: -0.002+/-0.013 χ²/NDF:42.0/40
All: -0.000+/-0.009 χ²/NDF: 71.7/76



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.129+/-0.011 χ^2/NDF:641923.4/19

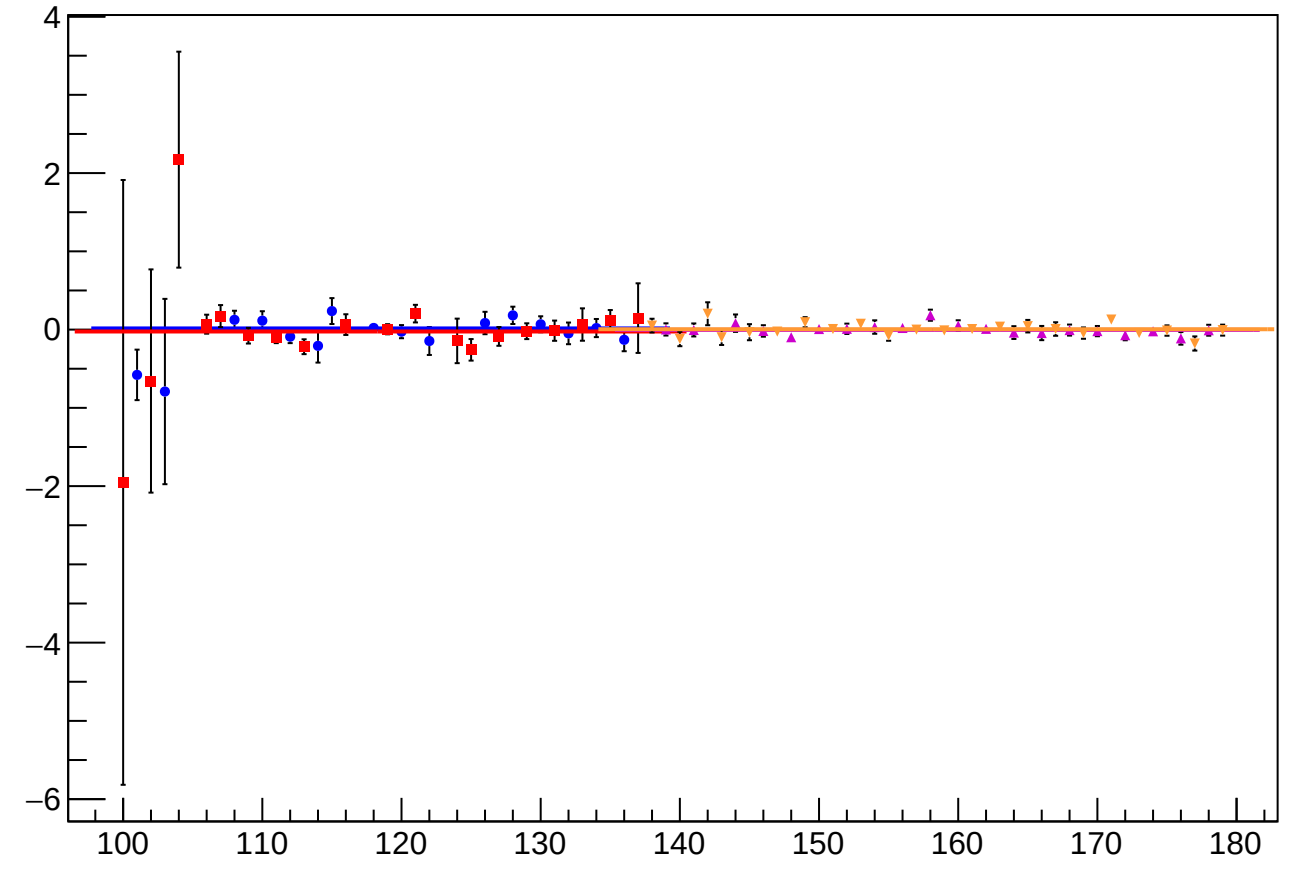
Left: 56.059+/-0.008 χ^2/NDF: 1887650.6/41

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.173+/-0.010 χ^2/NDF:3902473.1/35

Out: 55.978+/-0.009 χ^2/NDF:3935286.4/40

All: 57.019+/-0.007 χ^2/NDF: 7864702.9/76



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/21

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/19

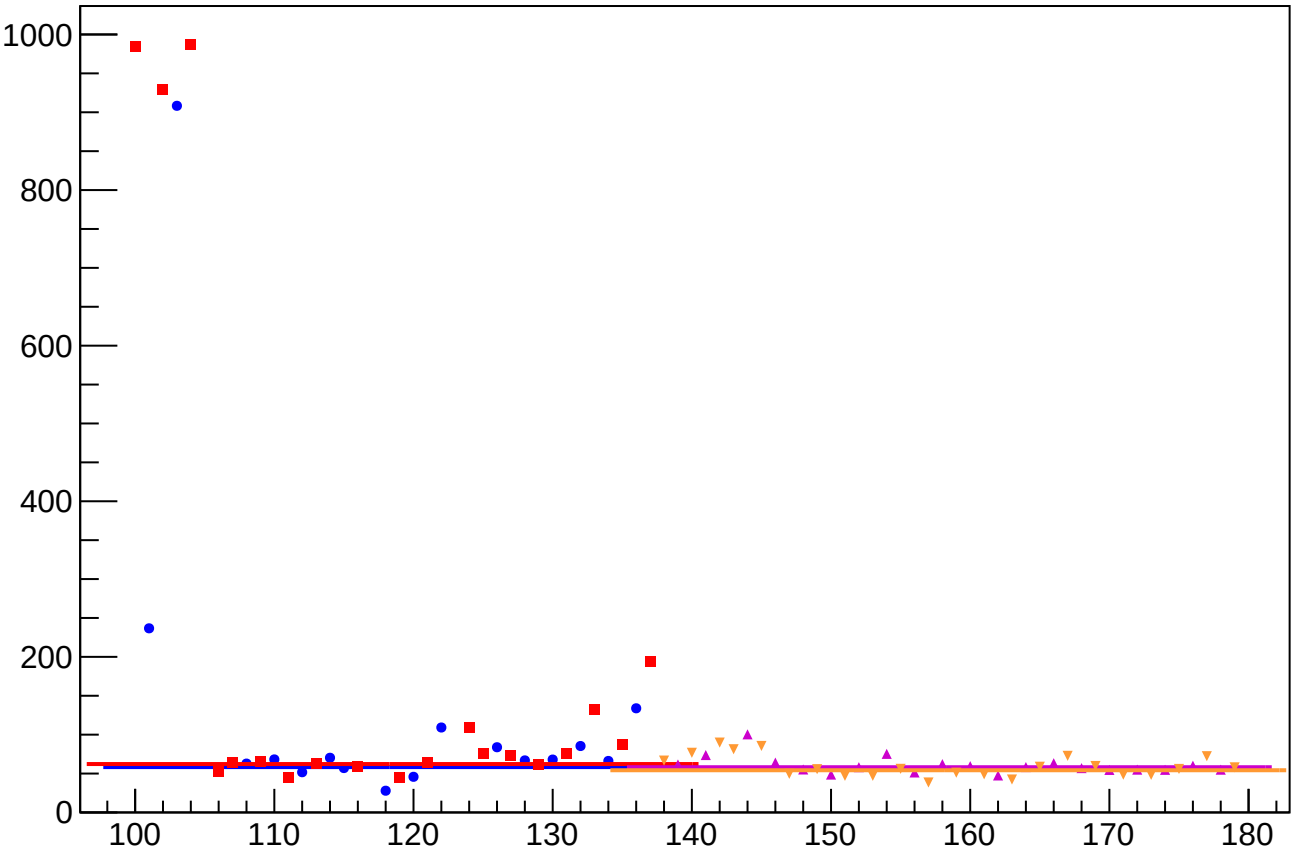
Left: 0.001+/-0.011 χ^2/NDF: 34.9/41

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.002+/-0.013 χ^2/NDF:42.0/40

All: -0.000+/-0.009 χ^2/NDF: 71.7/76



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.256+/-0.010 χ^2/NDF:1181168.1/21

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.129+/-0.011 χ^2/NDF:641923.4/19

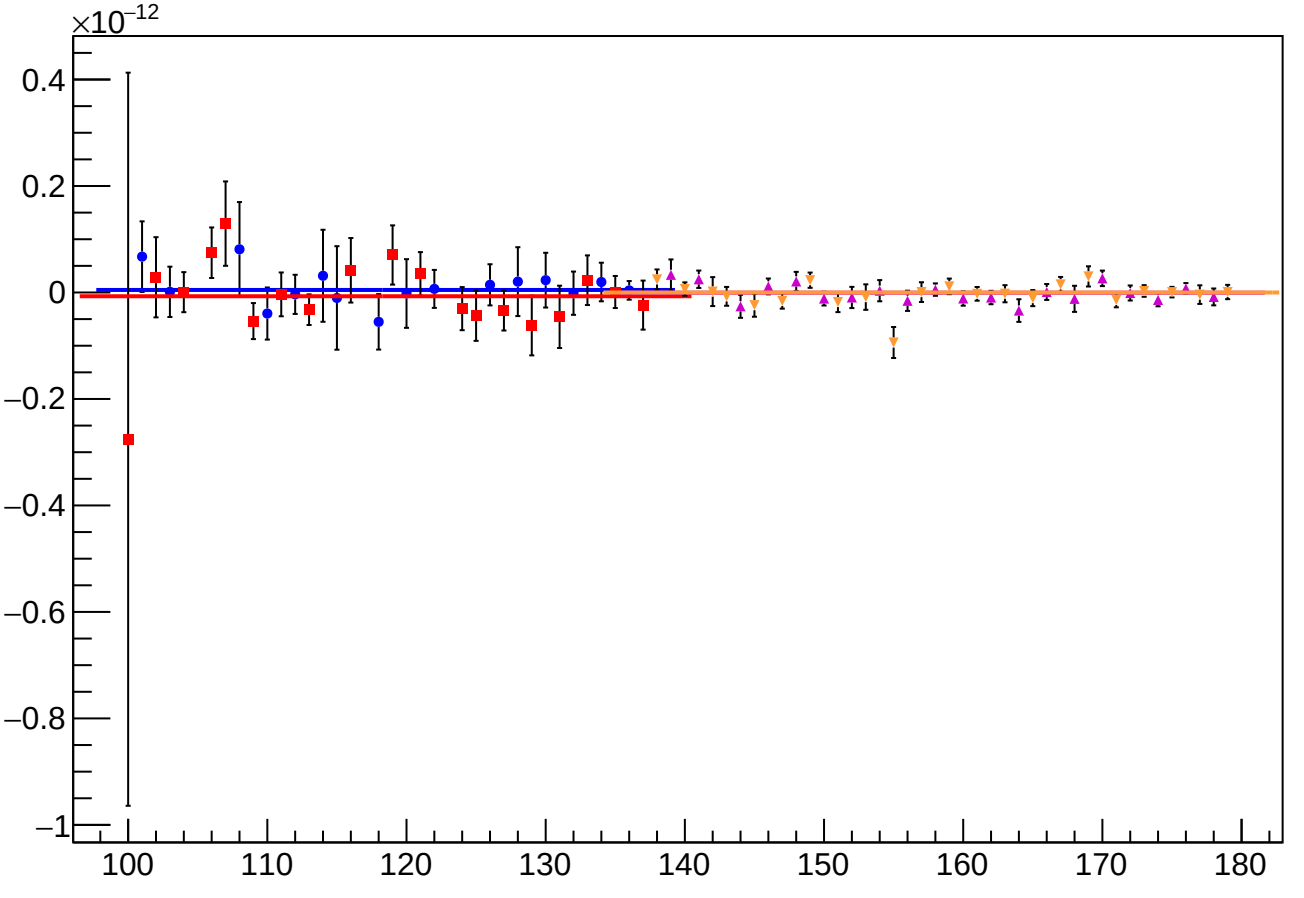
Left: 56.059+/-0.008 χ^2/NDF: 1887650.6/41

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.173+/-0.010 χ^2/NDF:3902473.1/35

Out: 55.978+/-0.009 χ^2/NDF:3935286.4/40

All: 57.019+/-0.007 χ^2/NDF: 7864702.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/19

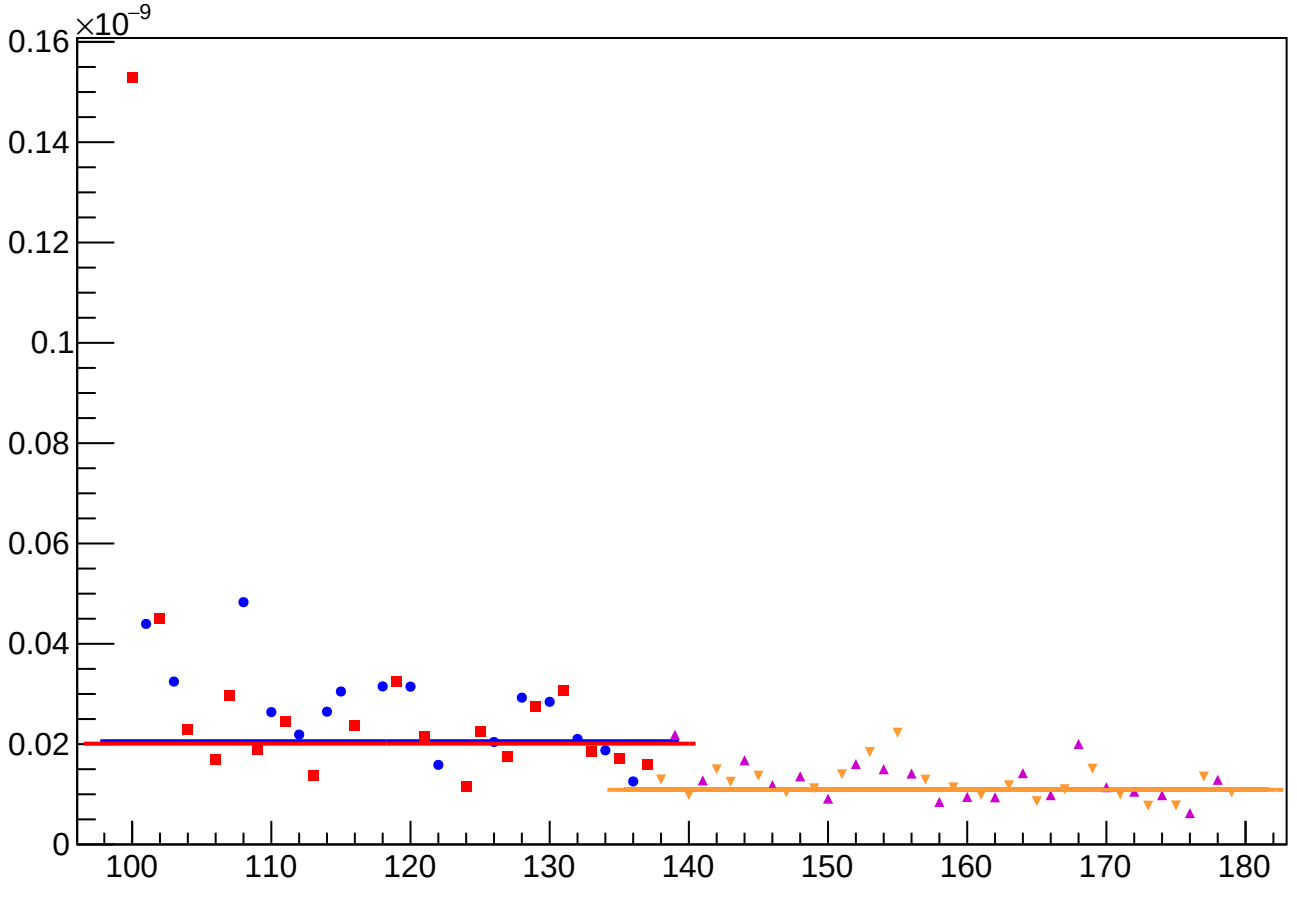
Left: -0.000+/-0.000 χ^2/NDF: 43.1/41

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:23.1/35

Out: -0.000+/-0.000 χ^2/NDF:41.2/40

All: -0.000+/-0.000 χ^2/NDF: 64.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303648.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1780044.7/19

Left: 0.000+/-0.000 χ^2/NDF: 3084017.6/41

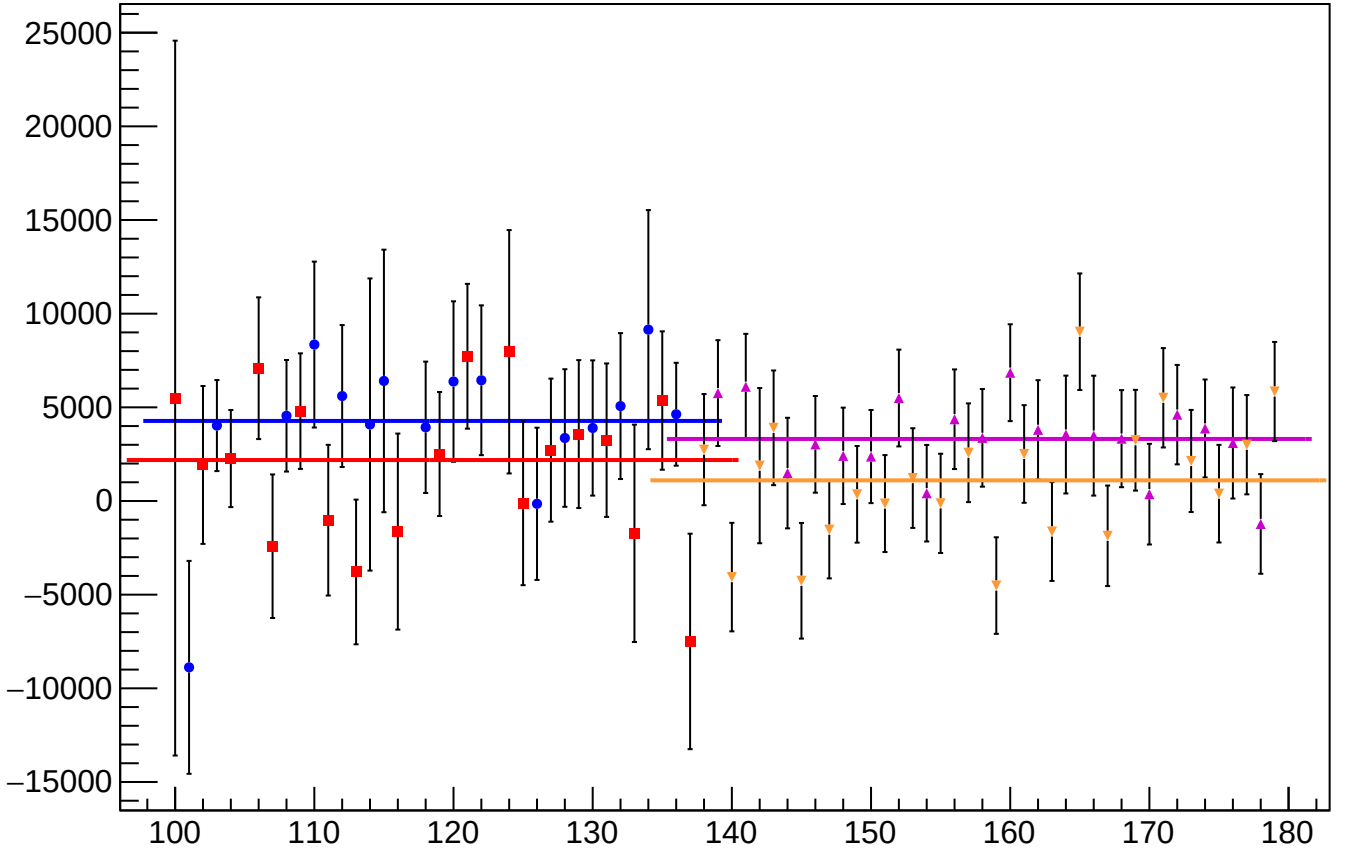
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:4687693.6/35

Out: 0.000+/-0.000 χ^2/NDF:3614223.4/40

All: 0.000+/-0.000 χ^2/NDF: 8303956.2/76

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.624+/-586.309 χ^2/NDF:30.4/21

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3312.023+/-604.187 χ^2/NDF:10.8/19

Left: 2174.667+/-420.762 χ^2/NDF: 48.1/41

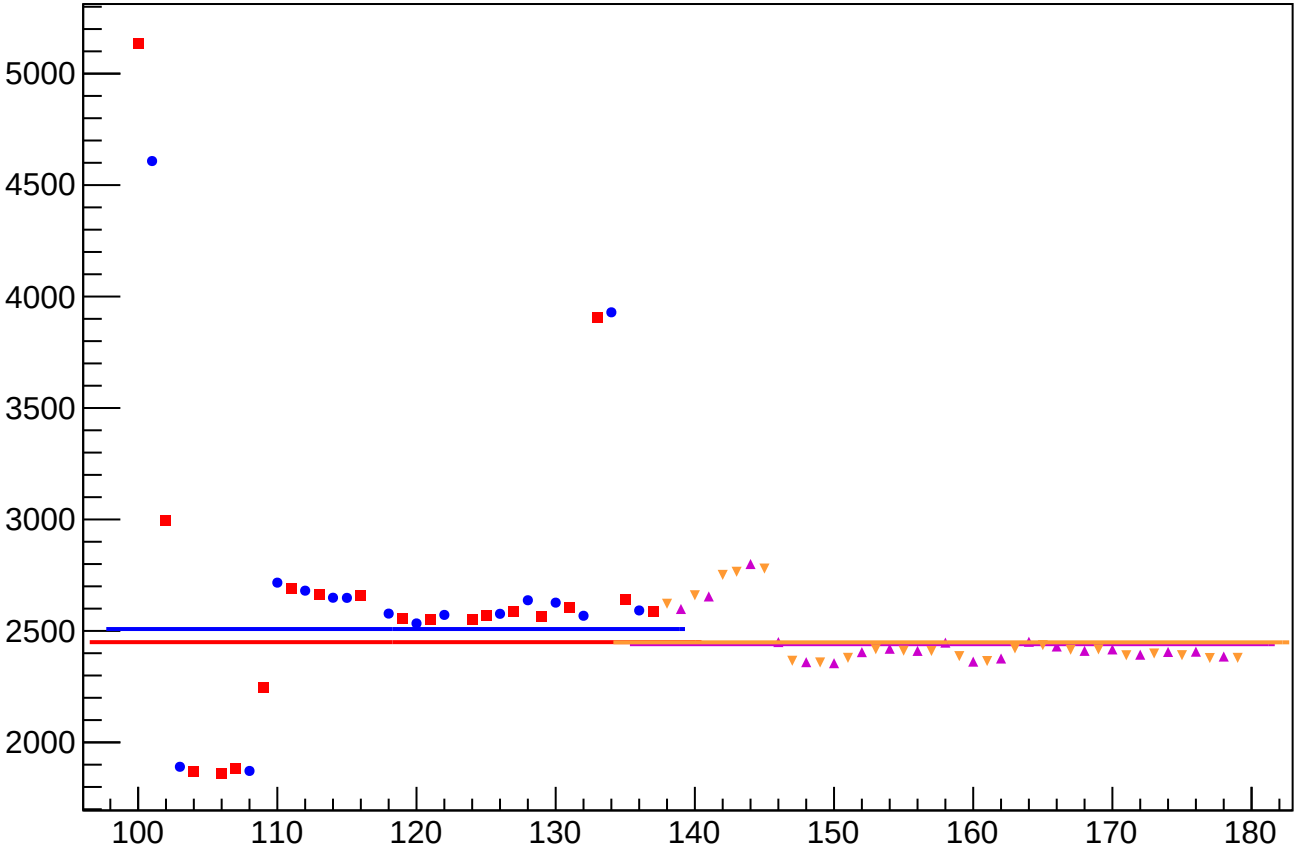
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3588.367+/-510.118 χ^2/NDF:20.5/35

Out: 1415.313+/-494.764 χ^2/NDF:46.2/40

All: 2468.644+/-355.155 χ^2/NDF: 76.0/76

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

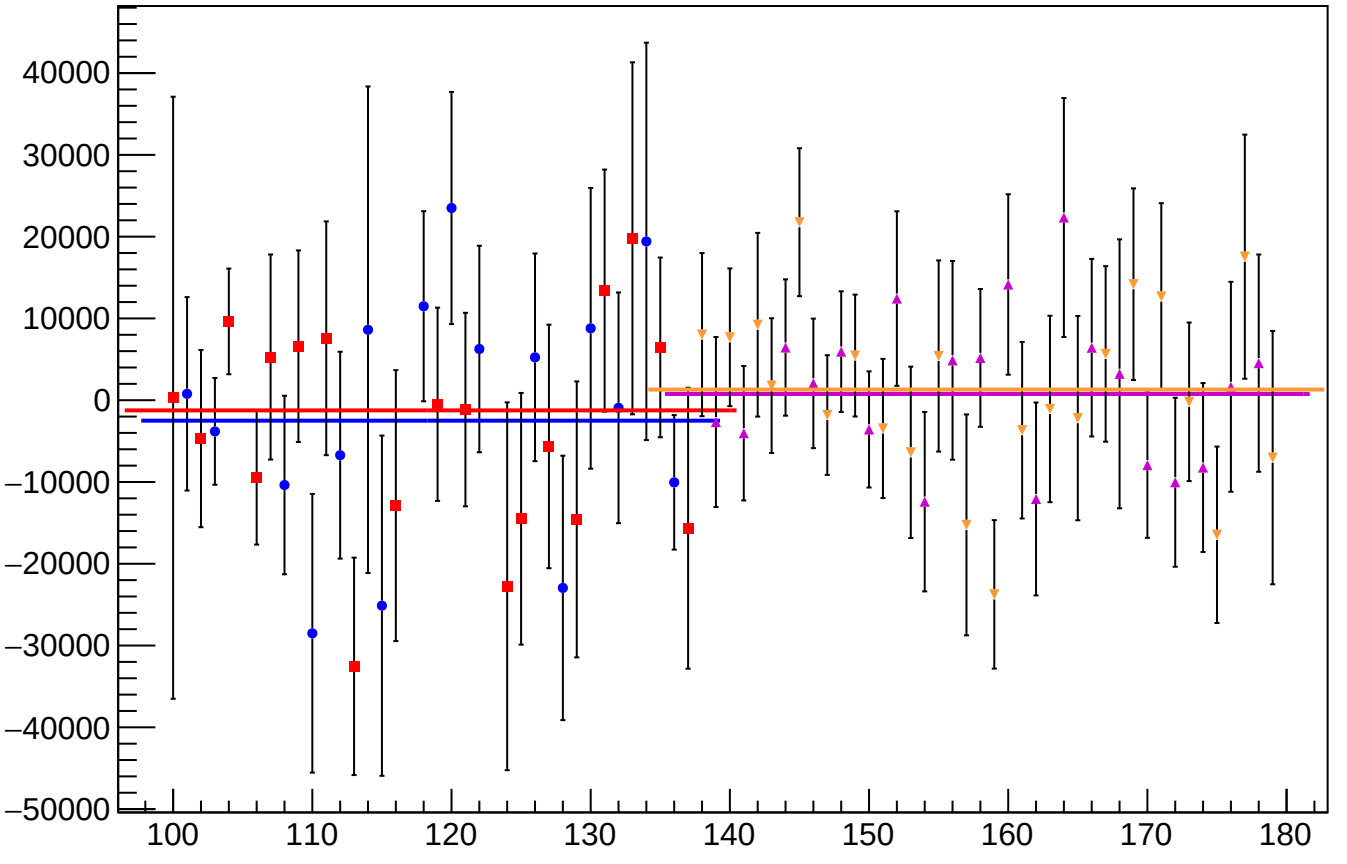
Left: 2444.764+/-0.298 χ^2/NDF: 147317.5/41

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2460.016+/-0.361 χ^2/NDF:677025.8/35

Out: 2449.023+/-0.350 χ^2/NDF:525857.8/40

All: 2454.351+/-0.251 χ^2/NDF: 1203362.2/76



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1300.731+/-2142.741 χ^2/NDF:24.1/21

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 758.061+/-2203.436 χ^2/NDF:12.9/19

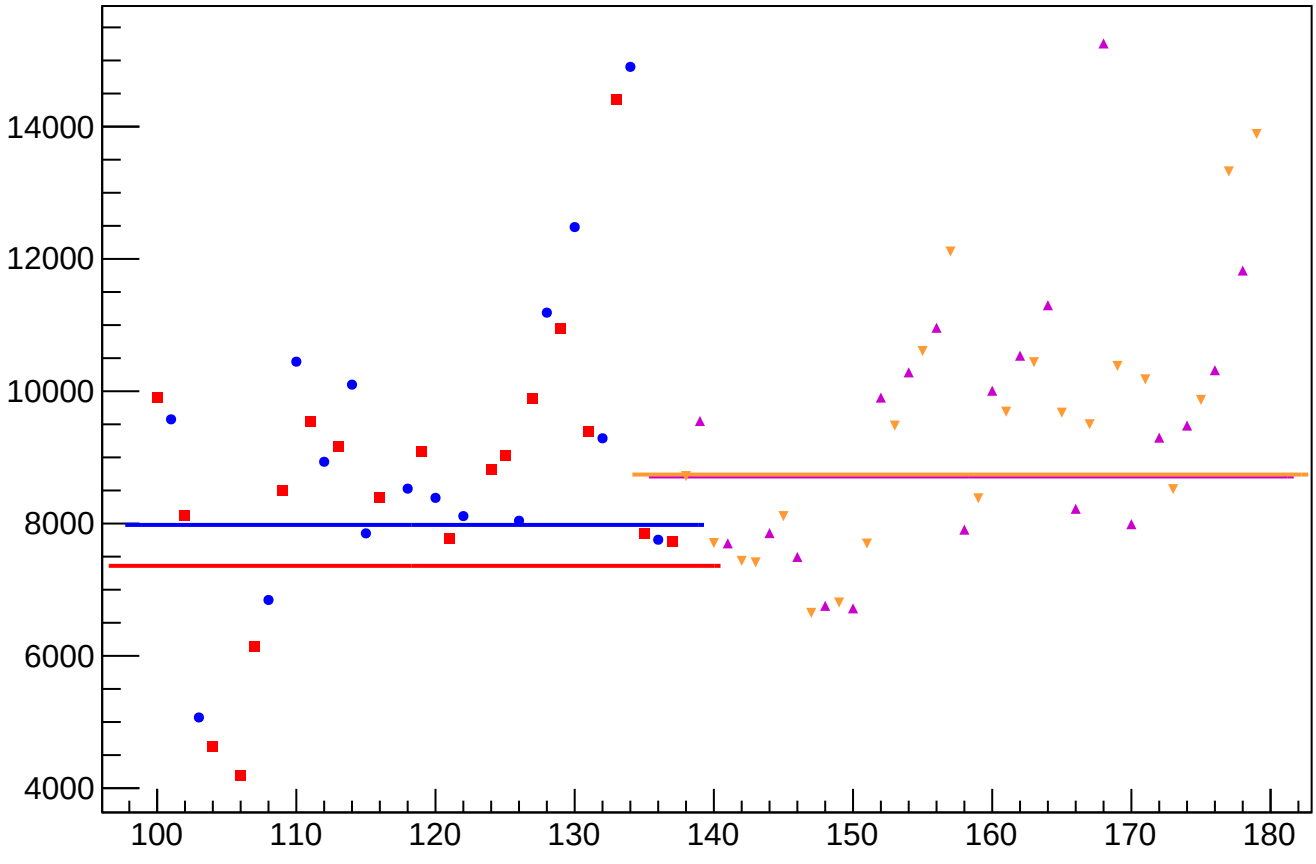
Left: 1036.973+/-1536.156 χ^2/NDF: 37.0/41

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -347.211+/-1791.191 χ^2/NDF:27.4/35

Out: 382.755+/-1713.274 χ^2/NDF:41.2/40

All: 33.993+/-1238.097 χ^2/NDF: 68.7/76



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8740.619+/-1.515 χ^2/NDF:1220268.9/21

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8711.629+/-1.558 χ^2/NDF:1193612.4/19

Left: 8726.529+/-1.086 χ^2/NDF: 2414059.3/41

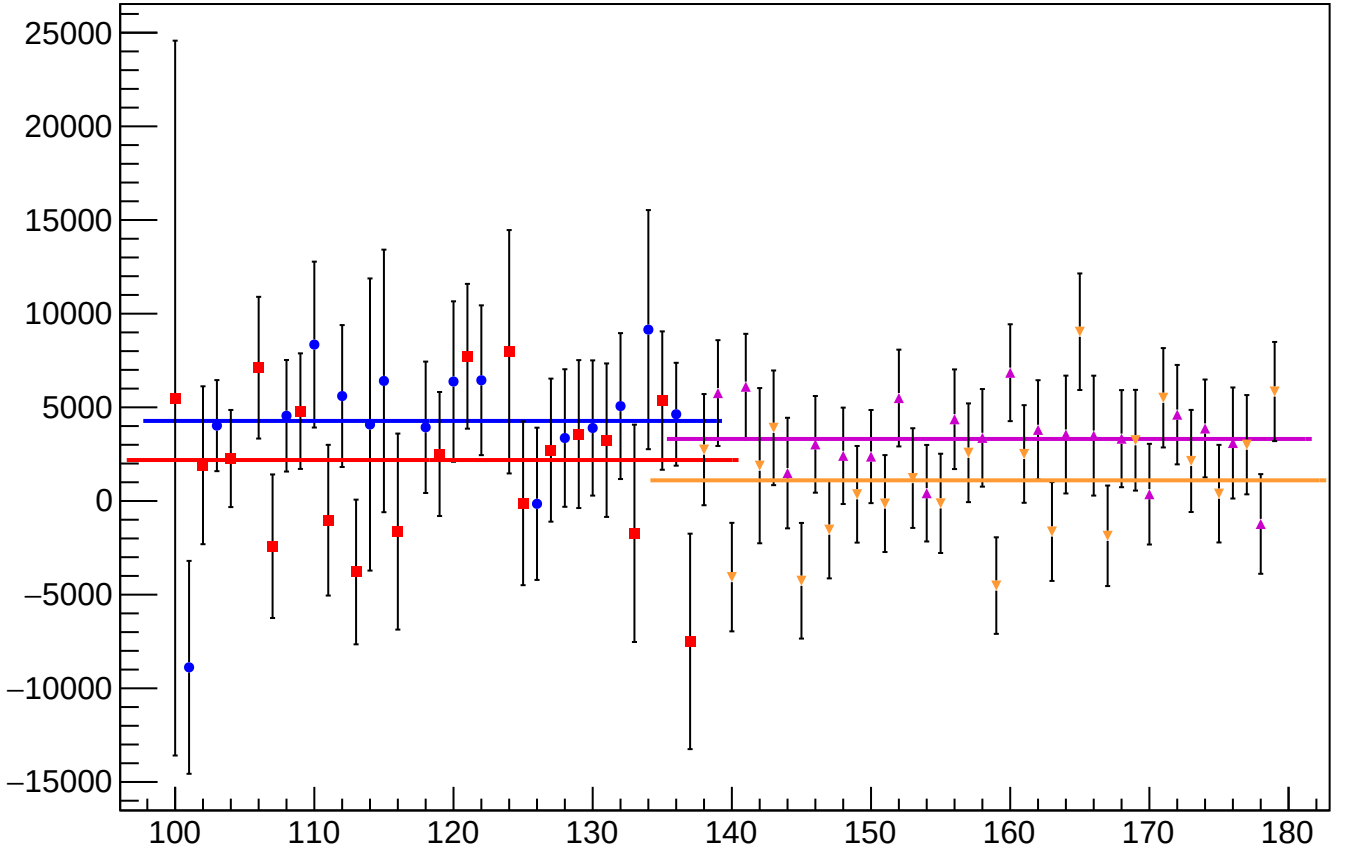
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8463.301+/-1.267 χ^2/NDF:2191590.5/35

Out: 8242.916+/-1.211 χ^2/NDF:2805436.0/40

All: 8348.211+/-0.875 χ^2/NDF: 5012837.8/76

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3311.863+/-604.187 χ^2/NDF:10.8/19

Left: 2174.519+/-420.762 χ^2/NDF: 48.1/41

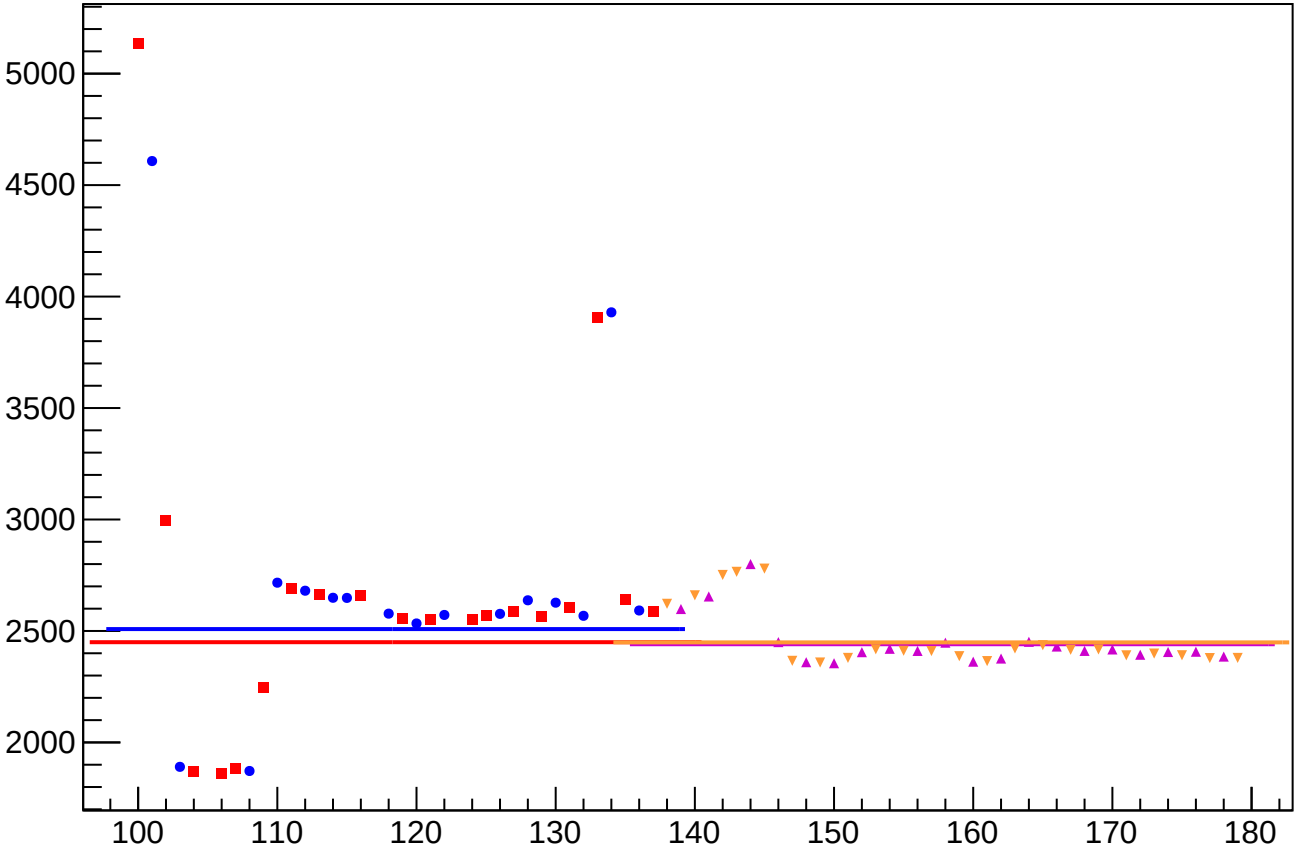
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3588.112+/-510.118 χ^2/NDF:20.5/35

Out: 1415.392+/-494.765 χ^2/NDF:46.2/40

All: 2468.564+/-355.156 χ^2/NDF: 76.0/76

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

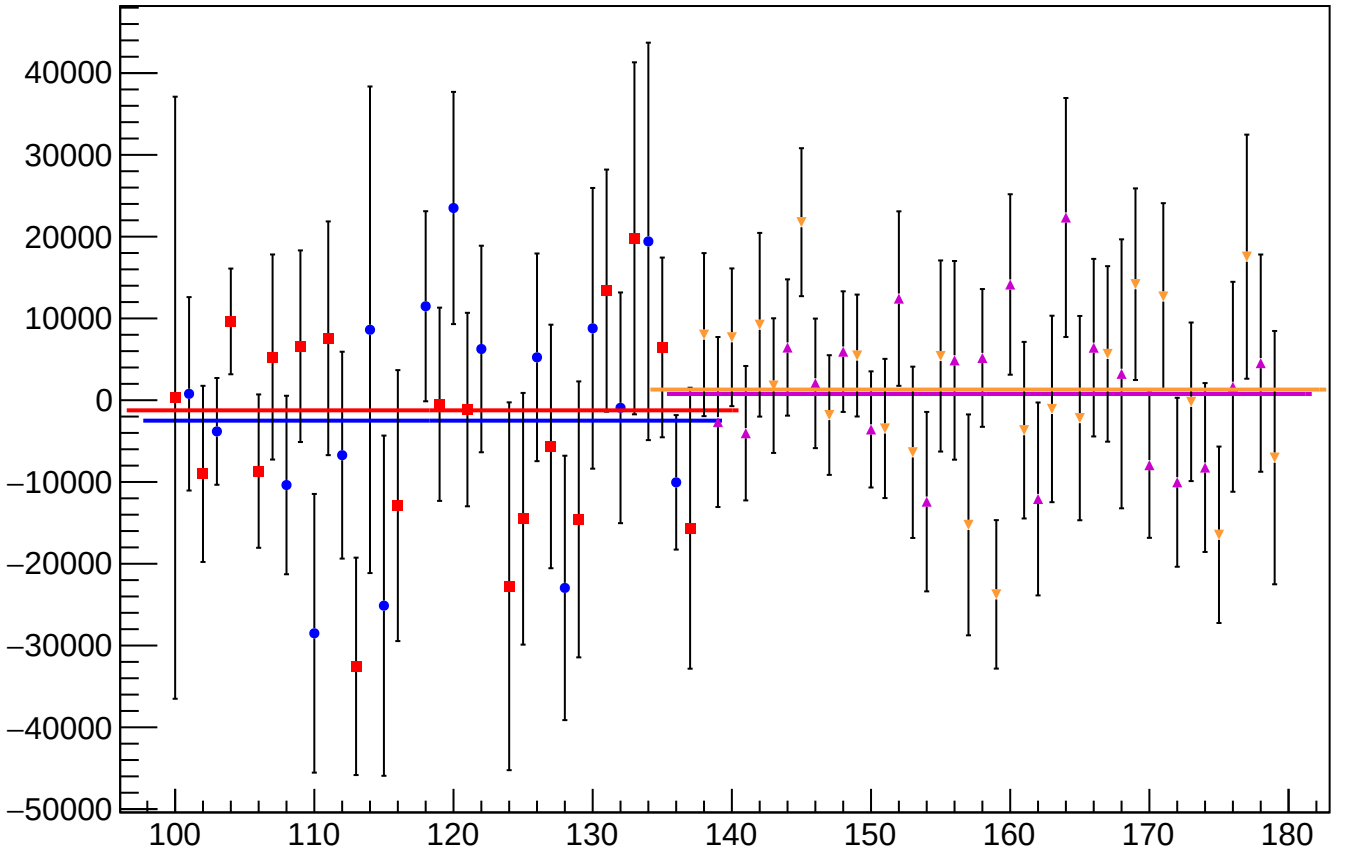
Left: 2444.764+/-0.298 χ^2/NDF: 147317.5/41

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2460.016+/-0.361 χ^2/NDF:677023.8/35

Out: 2449.030+/-0.350 χ^2/NDF:525803.4/40

All: 2454.355+/-0.251 χ^2/NDF: 1203305.3/76



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 758.068+/-2203.435 χ^2/NDF:12.9/19

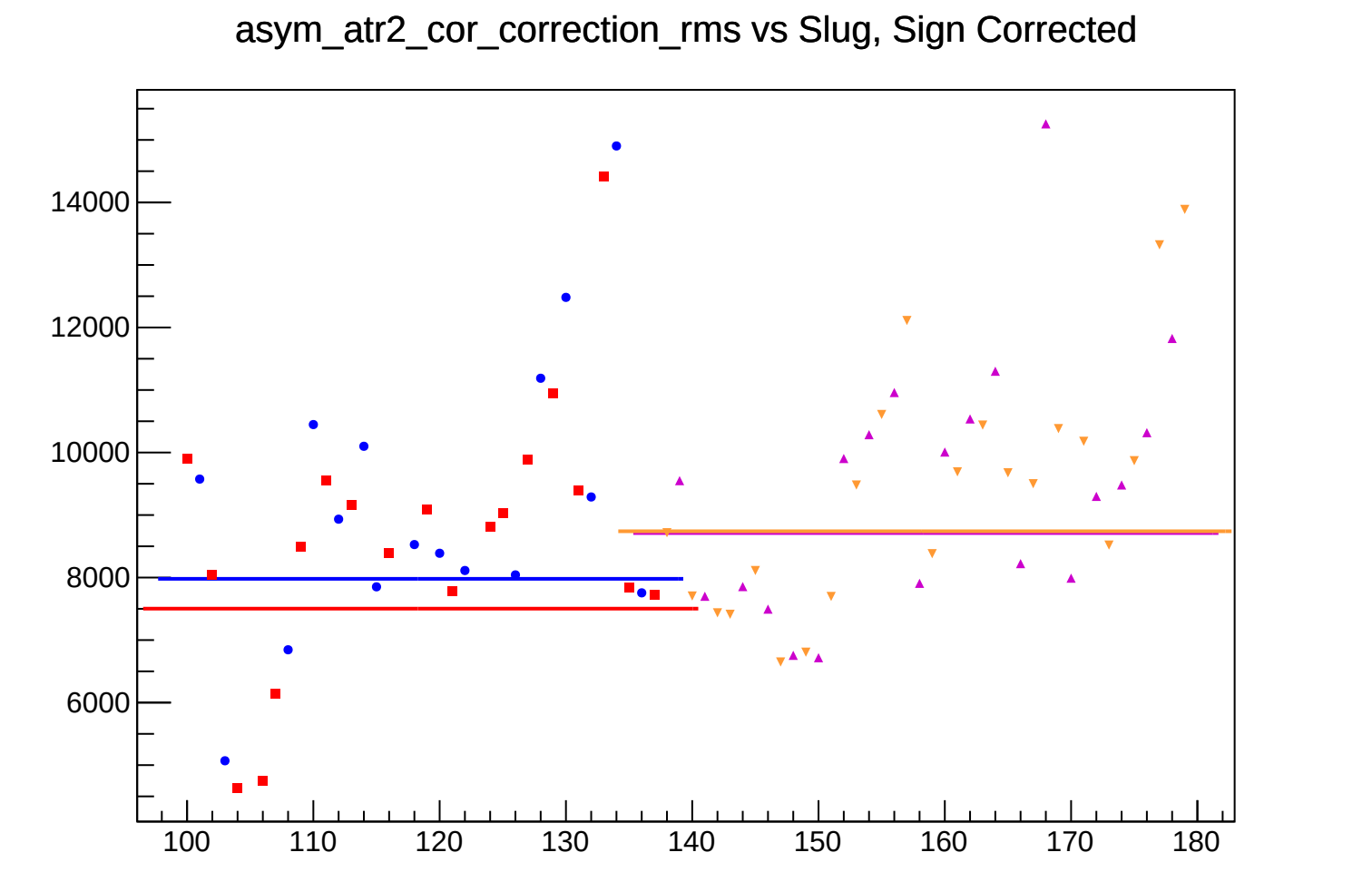
Left: 1036.980+/-1536.155 χ^2/NDF: 37.0/41

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -347.090+/-1791.209 χ^2/NDF:27.4/35

Out: 400.910+/-1721.975 χ^2/NDF:41.3/40

All: 41.645+/-1241.374 χ^2/NDF: 68.7/76



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8740.605+/-1.515 χ^2/NDF:1220279.2/21

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8711.626+/-1.558 χ^2/NDF:1193616.0/19

Left: 8726.520+/-1.086 χ^2/NDF: 2414073.0/41

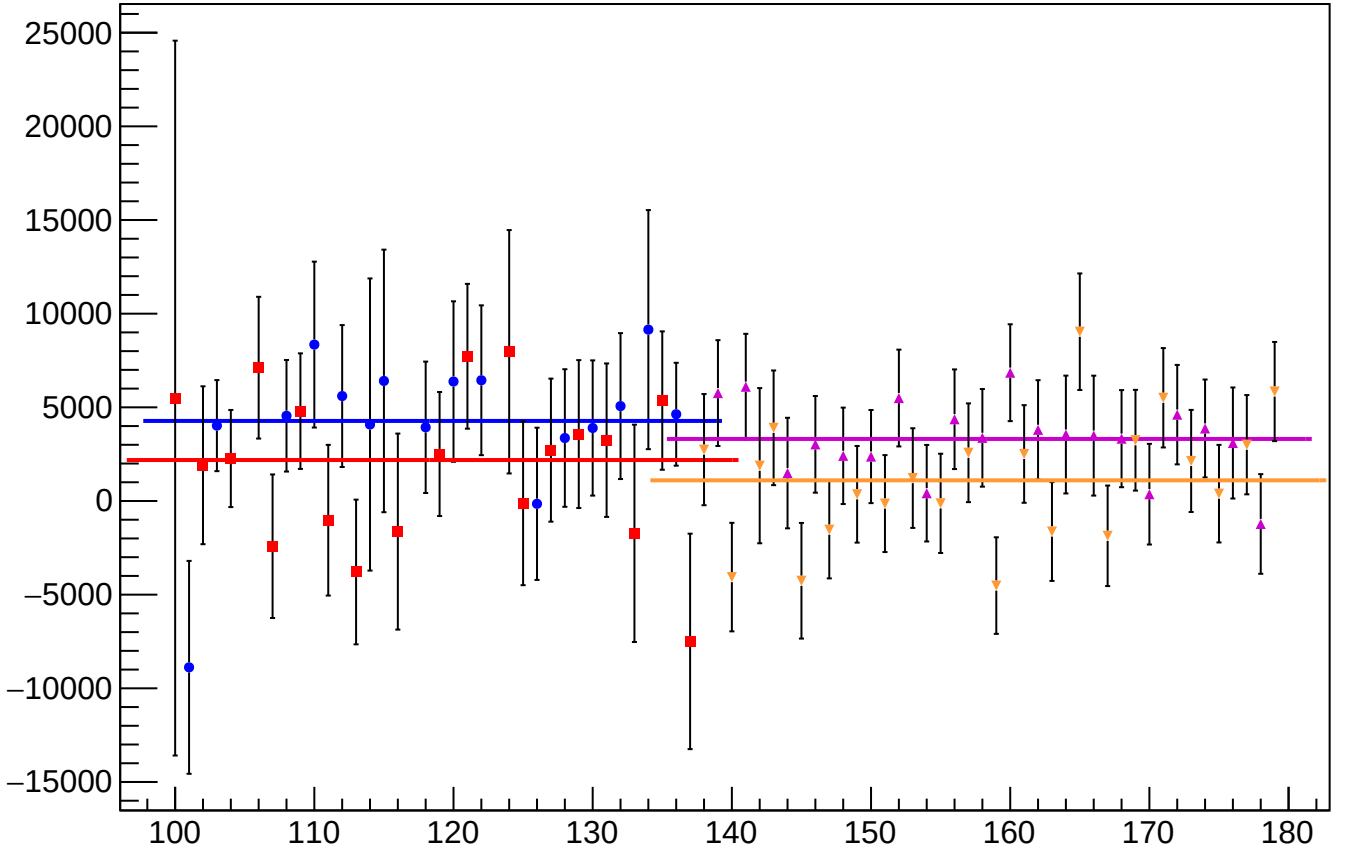
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8463.419+/-1.267 χ^2/NDF:2191226.0/35

Out: 8302.166+/-1.218 χ^2/NDF:2592228.2/40

All: 8379.616+/-0.878 χ^2/NDF: 4791878.0/76

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 1103.489+/-586.309 χ^2/NDF:30.4/21

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3311.863+/-604.187 χ^2/NDF:10.8/19

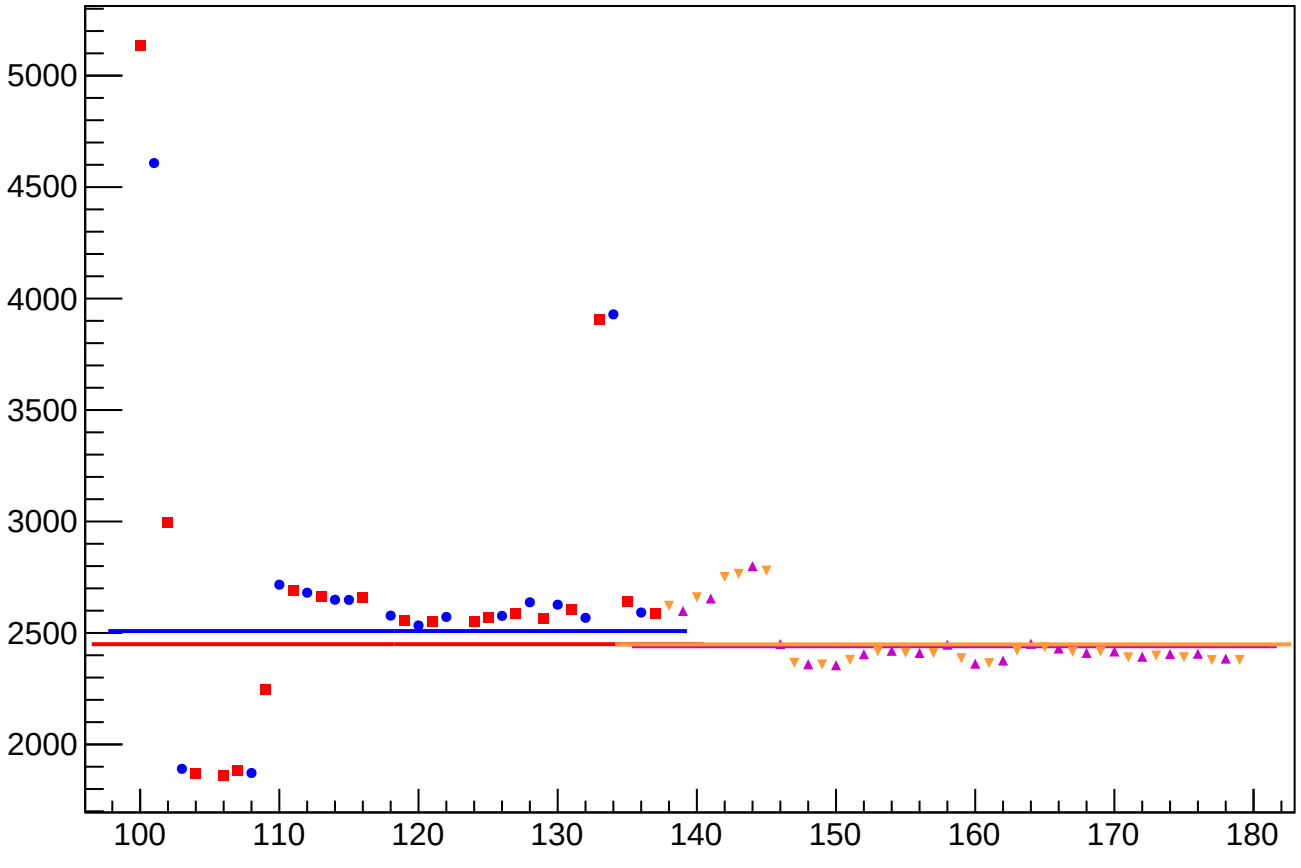
Left: 2174.519+/-420.762 χ^2/NDF: 48.1/41

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3588.112+/-510.118 χ^2/NDF:20.5/35

Out: 1415.392+/-494.765 χ^2/NDF:46.2/40

All: 2468.564+/-355.156 χ^2/NDF: 76.0/76



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2448.780+/-0.415 χ^2/NDF:88955.5/21

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2440.499+/-0.427 χ^2/NDF:58168.5/19

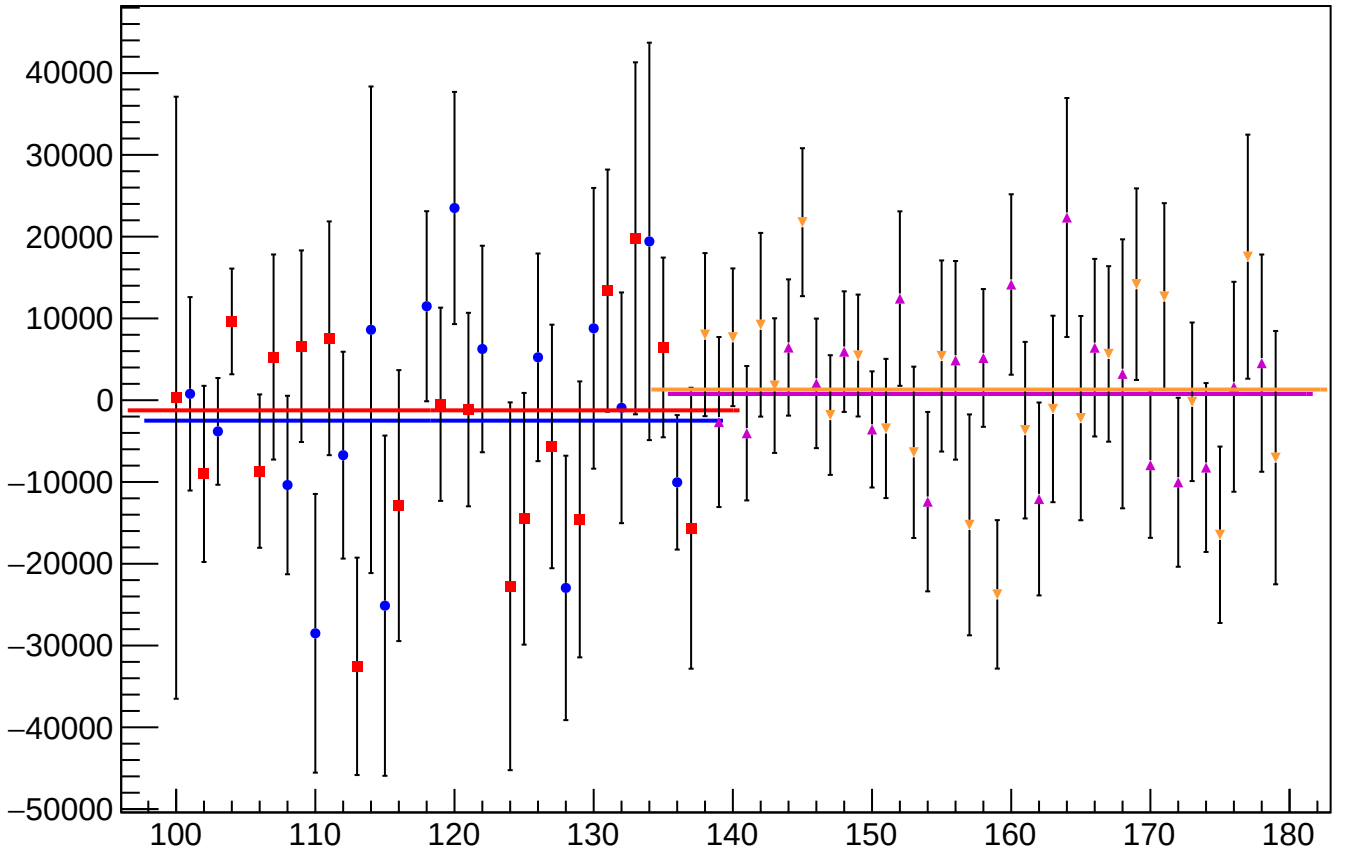
Left: 2444.764+/-0.298 χ^2/NDF: 147317.5/41

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2460.016+/-0.361 χ^2/NDF:677023.8/35

Out: 2449.030+/-0.350 χ^2/NDF:525803.4/40

All: 2454.355+/-0.251 χ^2/NDF: 1203305.3/76



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1300.737+/-2142.738 χ^2/NDF:24.1/21

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 758.068+/-2203.435 χ^2/NDF:12.9/19

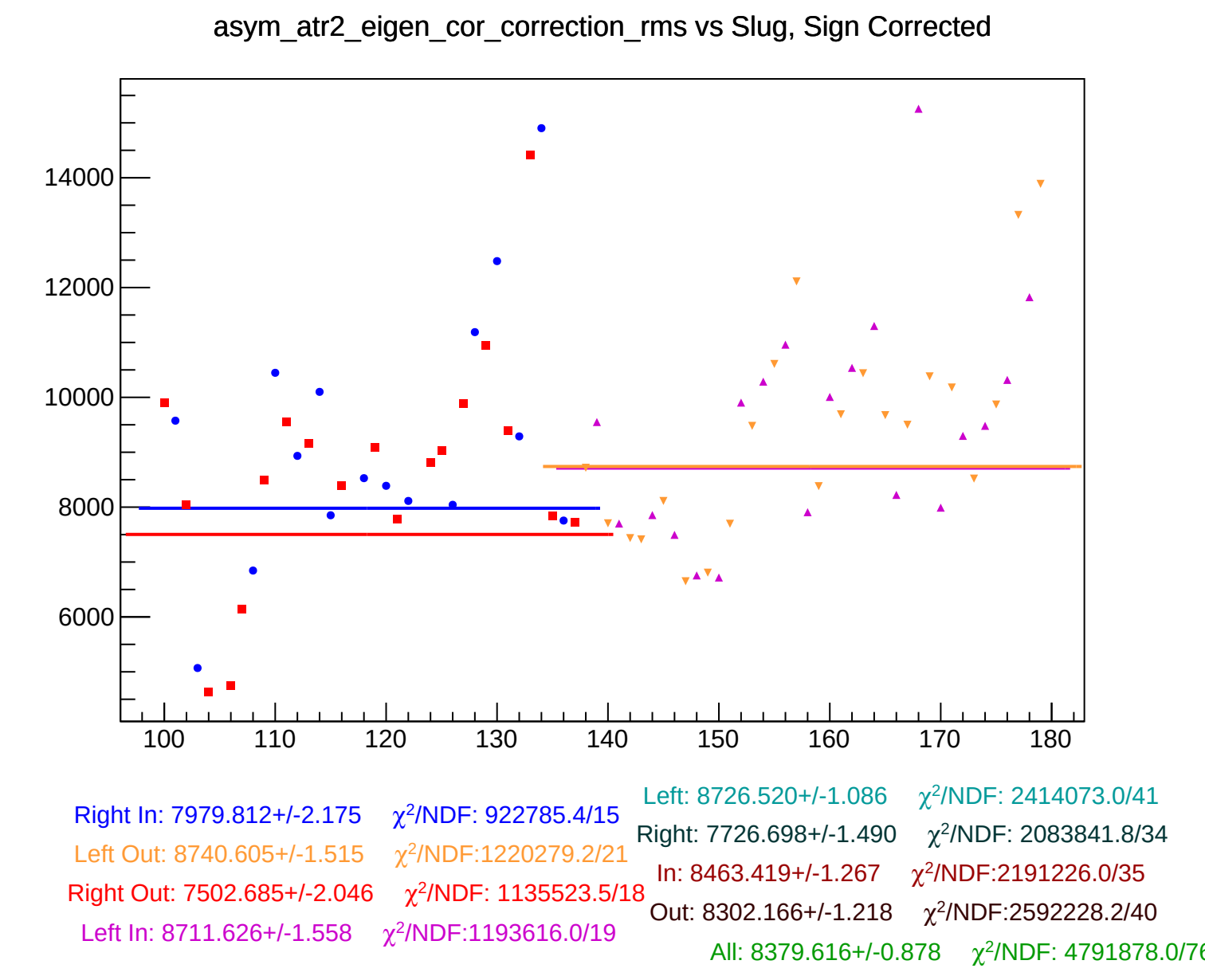
Left: 1036.980+/-1536.155 χ^2/NDF: 37.0/41

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

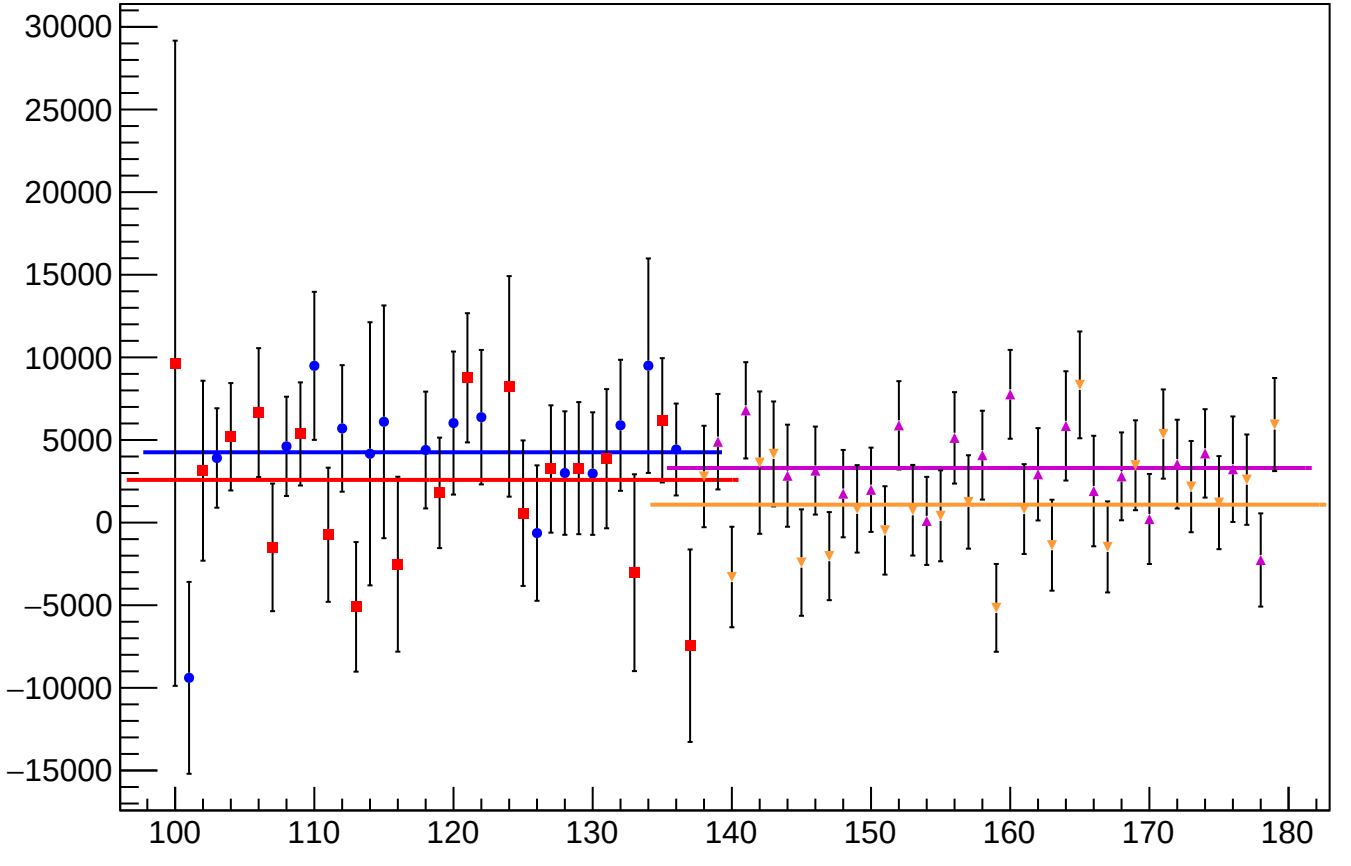
In: -347.090+/-1791.209 χ^2/NDF:27.4/35

Out: 400.910+/-1721.975 χ^2/NDF:41.3/40

All: 41.645+/-1241.374 χ^2/NDF: 68.7/76


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8740.605+/-1.515 χ²/NDF:1220279.2/21
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8711.626+/-1.558 χ²/NDF:1193616.0/19
Left: 8726.520+/-1.086 χ²/NDF: 2414073.0/41
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8463.419+/-1.267 χ²/NDF:2191226.0/35
Out: 8302.166+/-1.218 χ²/NDF:2592228.2/40
All: 8379.616+/-0.878 χ²/NDF: 4791878.0/76

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 1085.515+/-608.240 χ^2/NDF:25.6/21

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3305.839+/-625.598 χ^2/NDF:14.1/19

Left: 2164.447+/-436.098 χ^2/NDF: 46.2/41

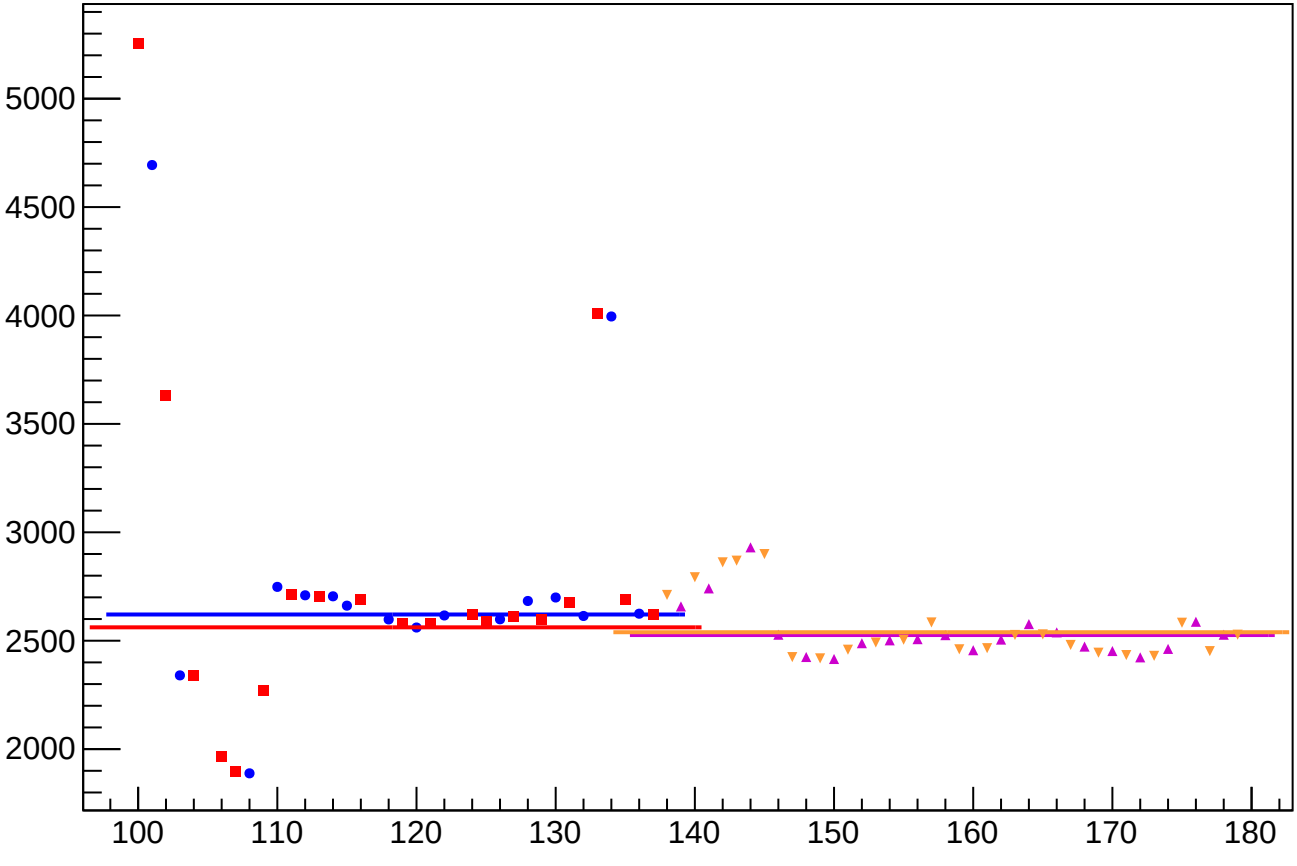
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3577.050+/-528.938 χ^2/NDF:24.8/35

Out: 1511.103+/-514.716 χ^2/NDF:44.9/40

All: 2515.929+/-368.885 χ^2/NDF: 77.6/76

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2539.175+/-0.430 χ^2/NDF:104435.3/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2526.193+/-0.442 χ^2/NDF:65753.6/19

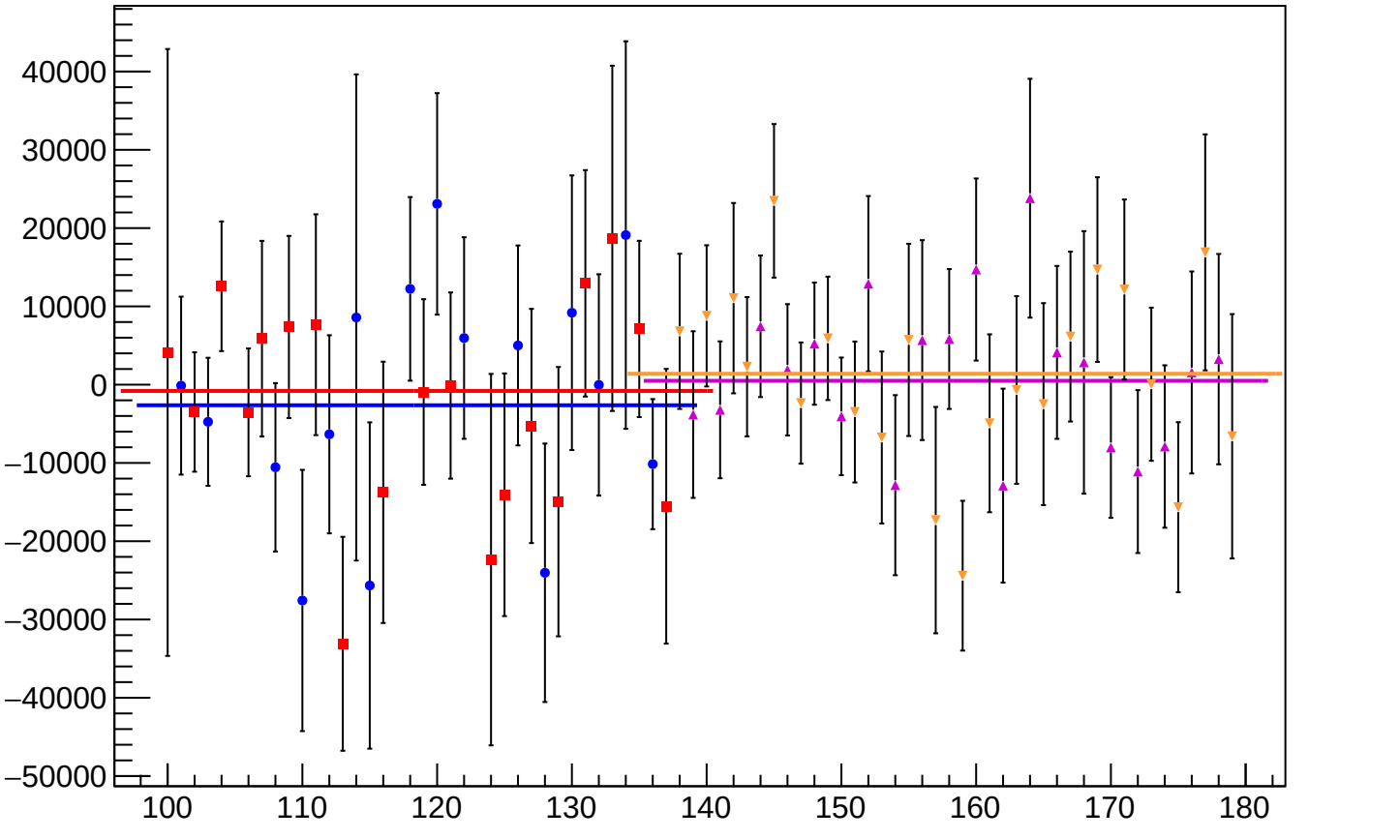
Left: 2532.867+/-0.308 χ^2/NDF: 170631.7/41

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2553.216+/-0.374 χ^2/NDF:564755.1/35

Out: 2545.580+/-0.364 χ^2/NDF:483475.4/40

All: 2549.293+/-0.261 χ^2/NDF: 1048444.6/76



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1392.925+/-2239.592 χ^2/NDF:23.7/21

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 493.058+/-2300.112 χ^2/NDF:12.8/19

Left: 954.986+/-1604.600 χ^2/NDF: 36.6/41

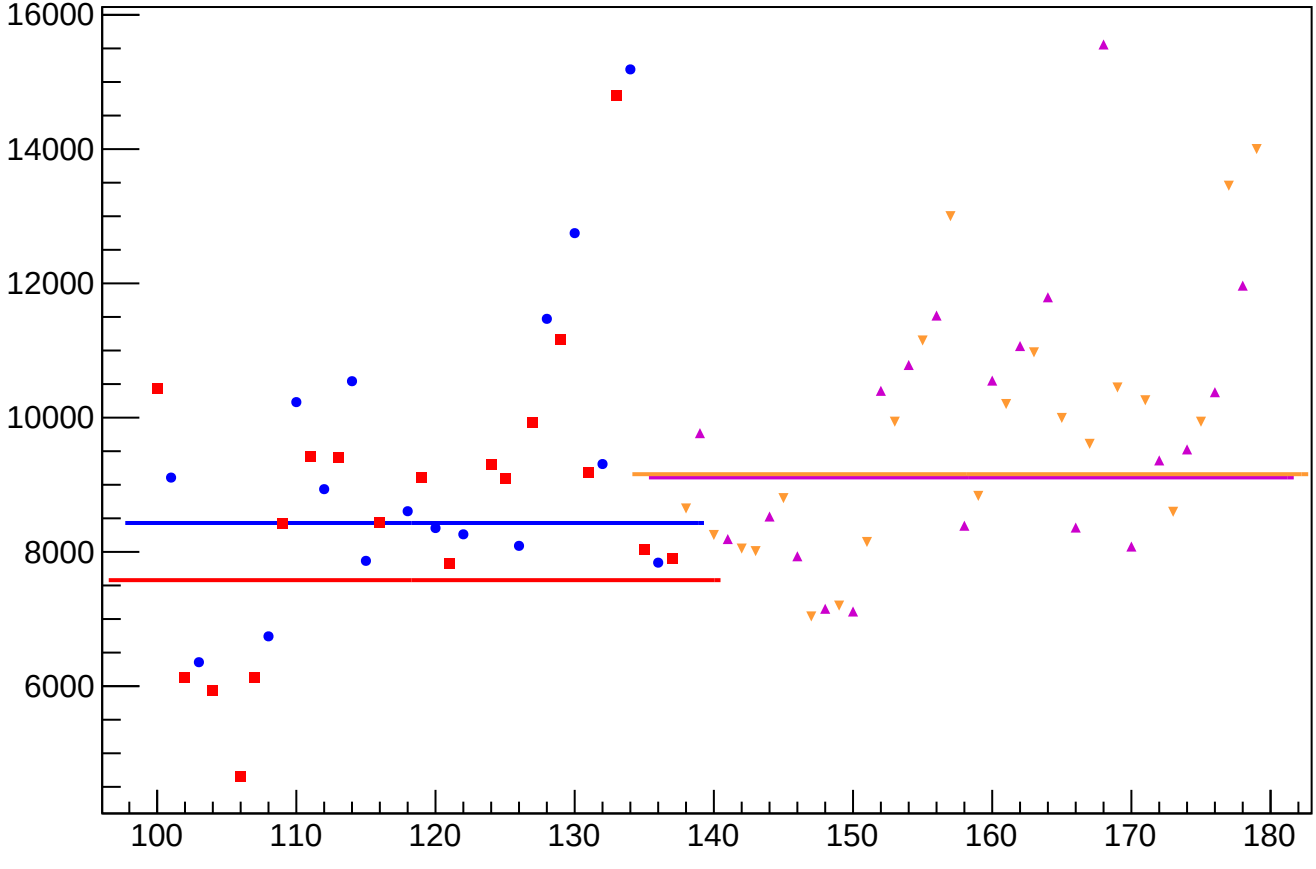
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -566.443+/-1869.975 χ^2/NDF:27.2/35

Out: 562.929+/-1766.310 χ^2/NDF:39.5/40

All: 30.414+/-1284.054 χ^2/NDF: 66.9/76

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9157.628+/-1.584 χ^2/NDF:1071448.7/21

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9109.452+/-1.626 χ^2/NDF:1084992.9/19

Left: 9134.182+/-1.135 χ^2/NDF: 2156892.1/41

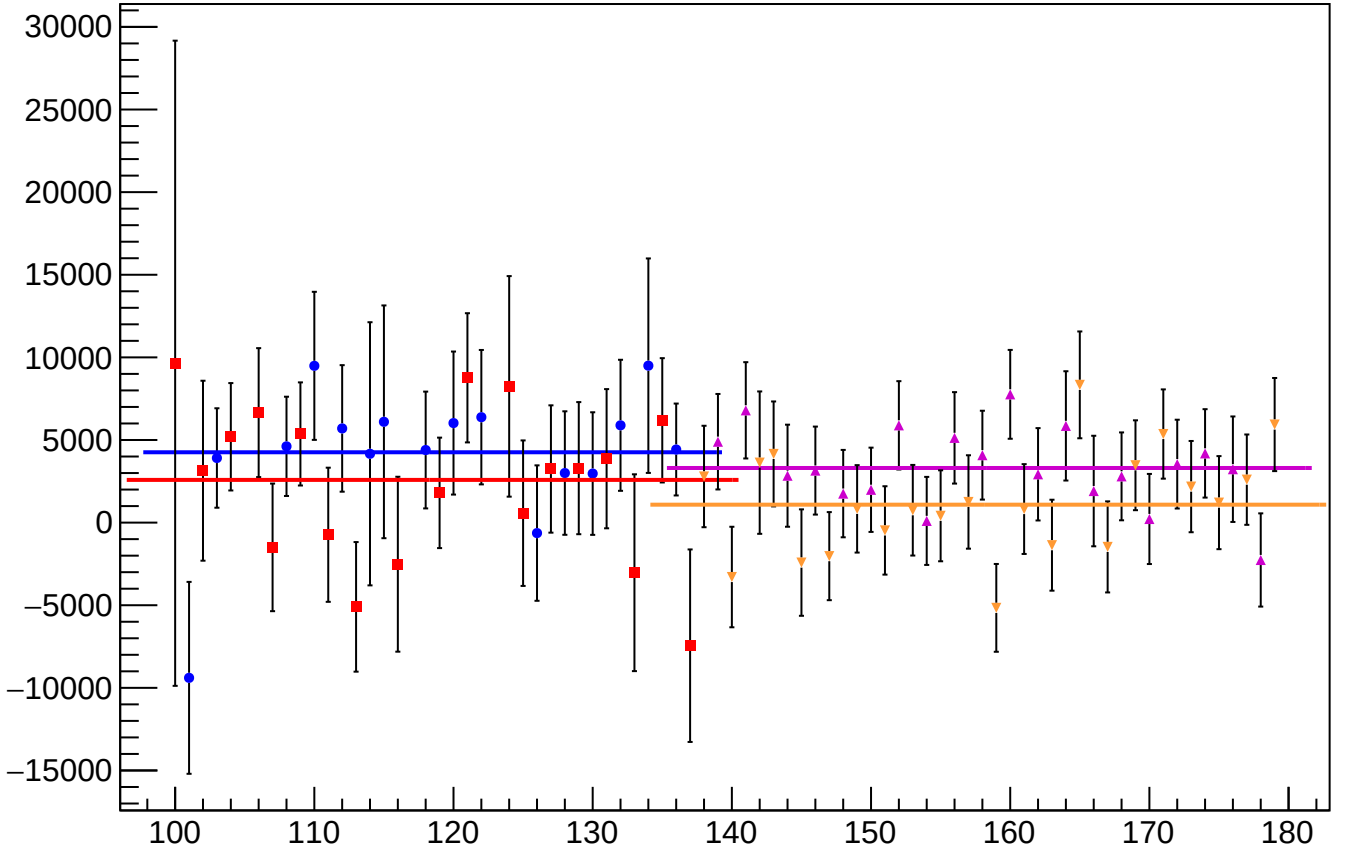
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8879.349+/-1.322 χ^2/NDF:1724324.6/35

Out: 8560.962+/-1.249 χ^2/NDF:2421129.9/40

All: 8711.086+/-0.908 χ^2/NDF: 4176095.6/76

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 1085.505+/-608.241 χ^2/NDF:25.6/21

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3305.843+/-625.599 χ^2/NDF:14.1/19

Left: 2164.444+/-436.099 χ^2/NDF: 46.2/41

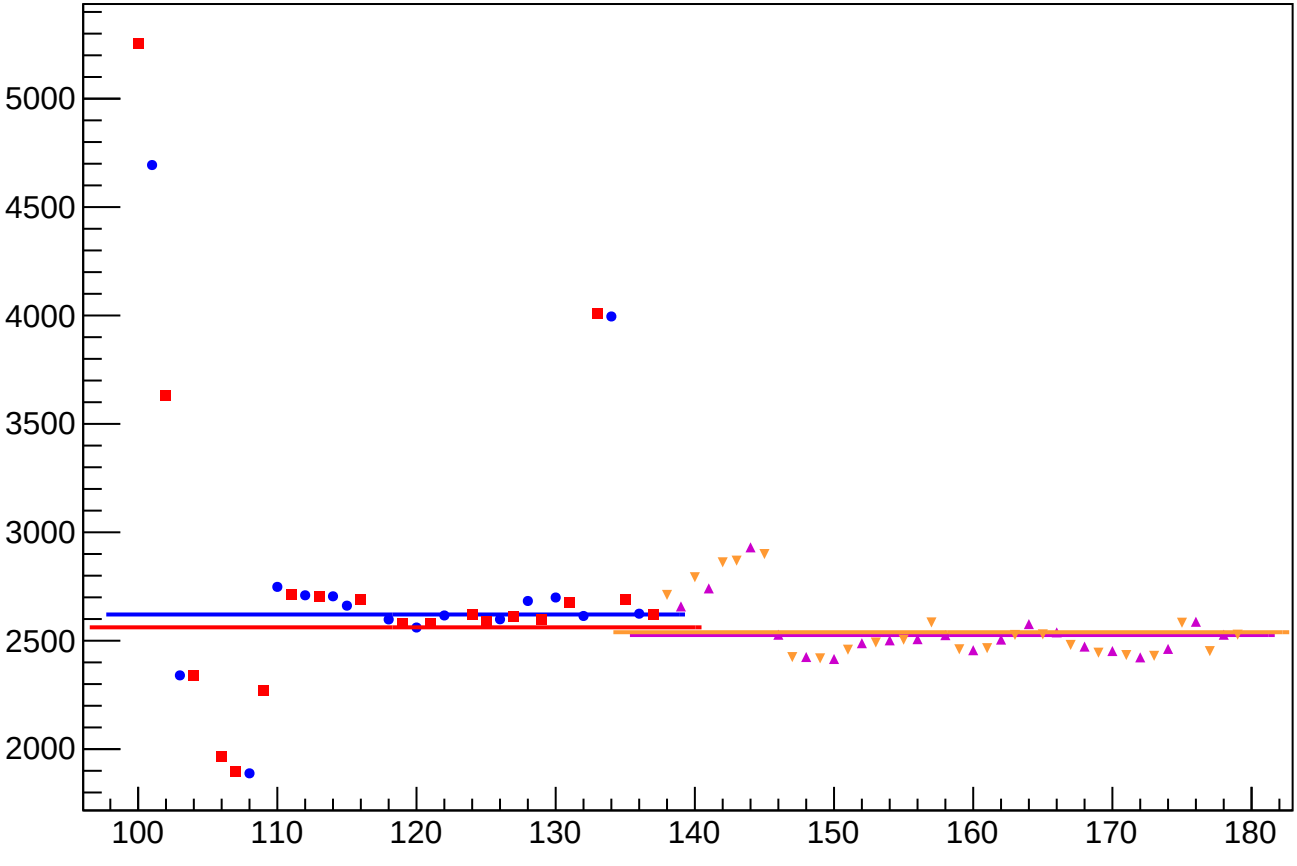
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3577.056+/-528.938 χ^2/NDF:24.8/35

Out: 1511.099+/-514.716 χ^2/NDF:44.9/40

All: 2515.929+/-368.885 χ^2/NDF: 77.6/76

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2539.177+/-0.430 χ^2/NDF:104435.6/21

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2526.195+/-0.442 χ^2/NDF:65753.4/19

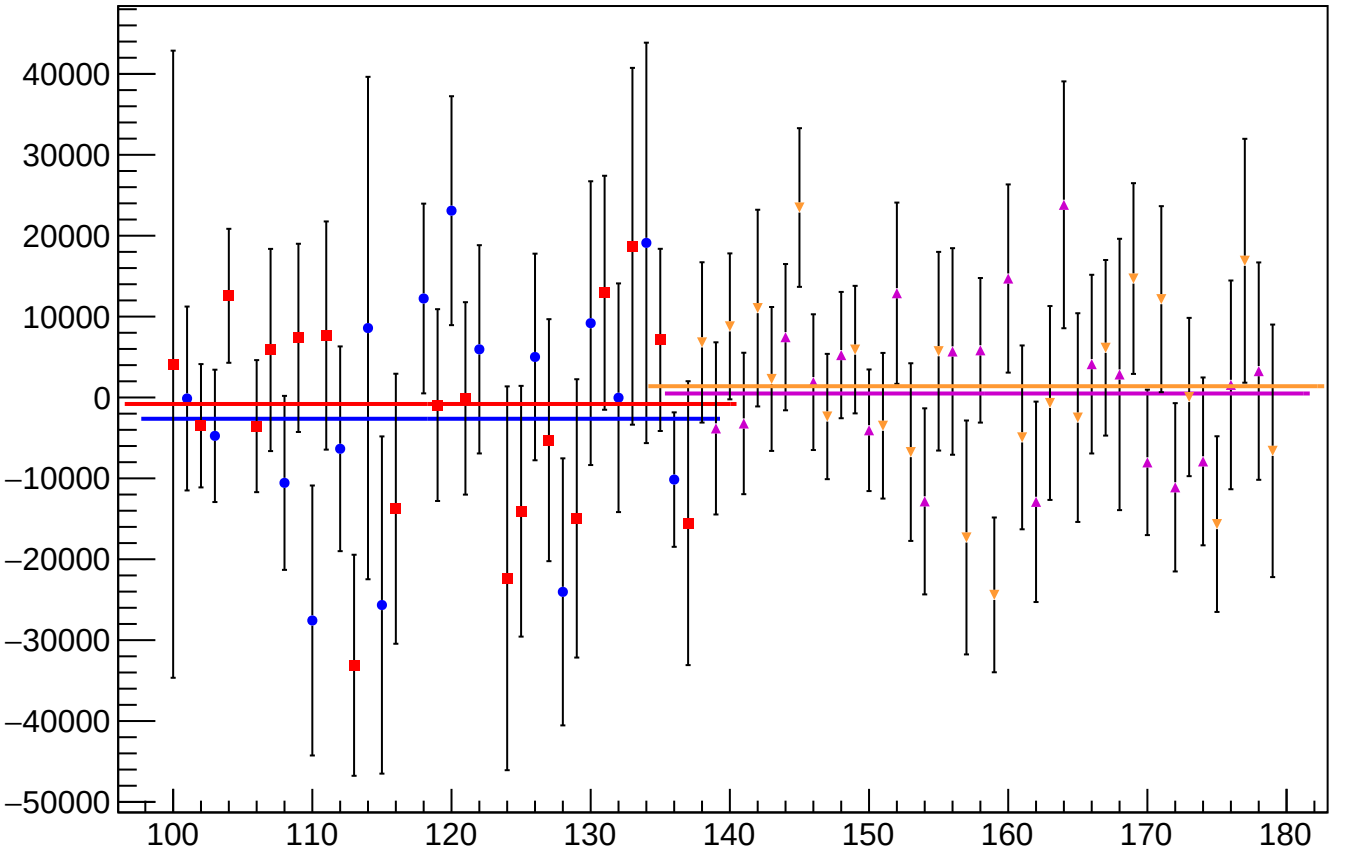
Left: 2532.868+/-0.308 χ^2/NDF: 170631.7/41

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2553.217+/-0.374 χ^2/NDF:564754.4/35

Out: 2545.581+/-0.364 χ^2/NDF:483474.9/40

All: 2549.295+/-0.261 χ^2/NDF: 1048443.4/76



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1392.922+/-2239.596 χ^2/NDF:23.7/21

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 493.055+/-2300.116 χ^2/NDF:12.8/19

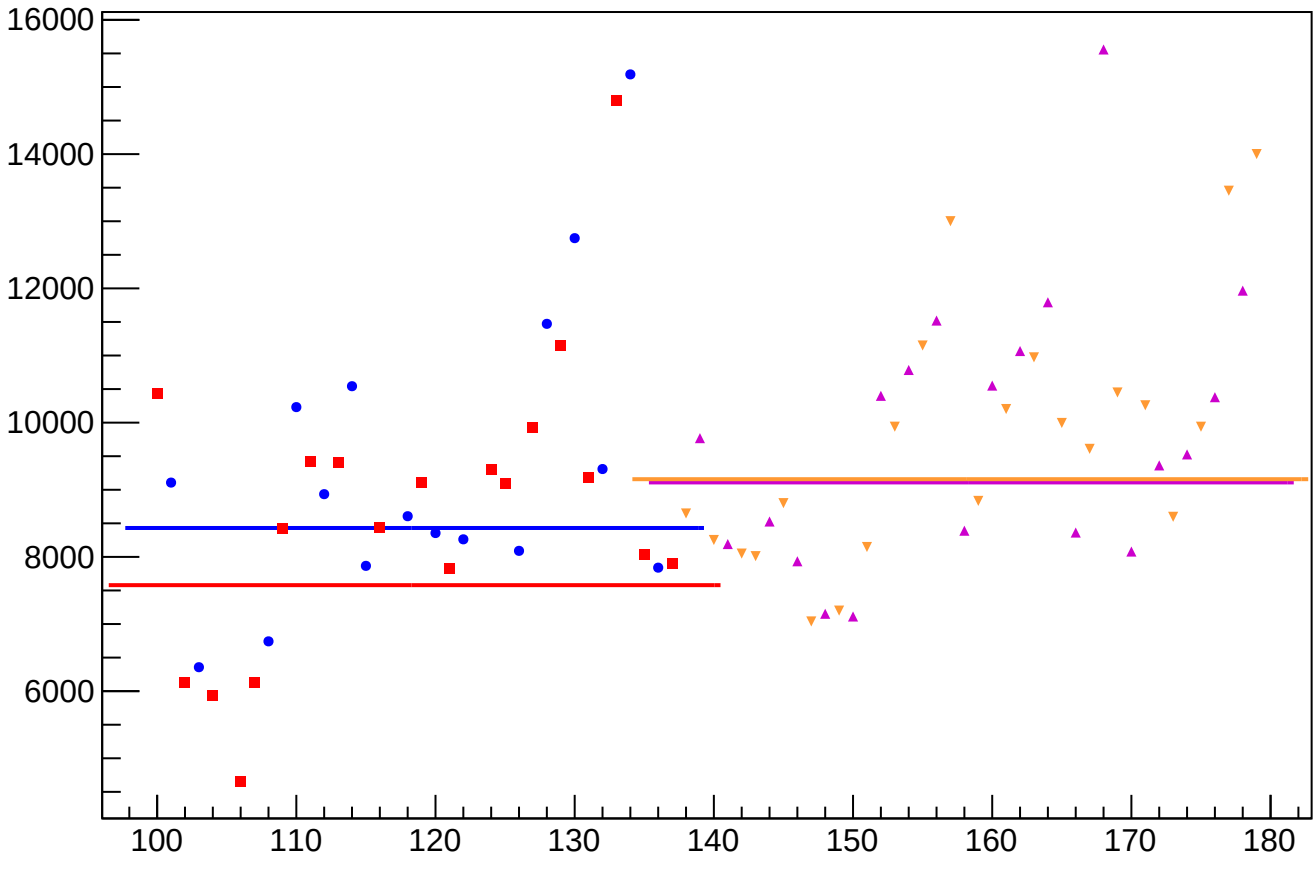
Left: 954.983+/-1604.603 χ^2/NDF: 36.6/41

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -566.437+/-1869.976 χ^2/NDF:27.2/35

Out: 562.925+/-1766.311 χ^2/NDF:39.5/40

All: 30.414+/-1284.055 χ^2/NDF: 66.9/76



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9157.643+/-1.584 χ^2/NDF:1071450.7/21

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9109.466+/-1.626 χ^2/NDF:1084995.2/19

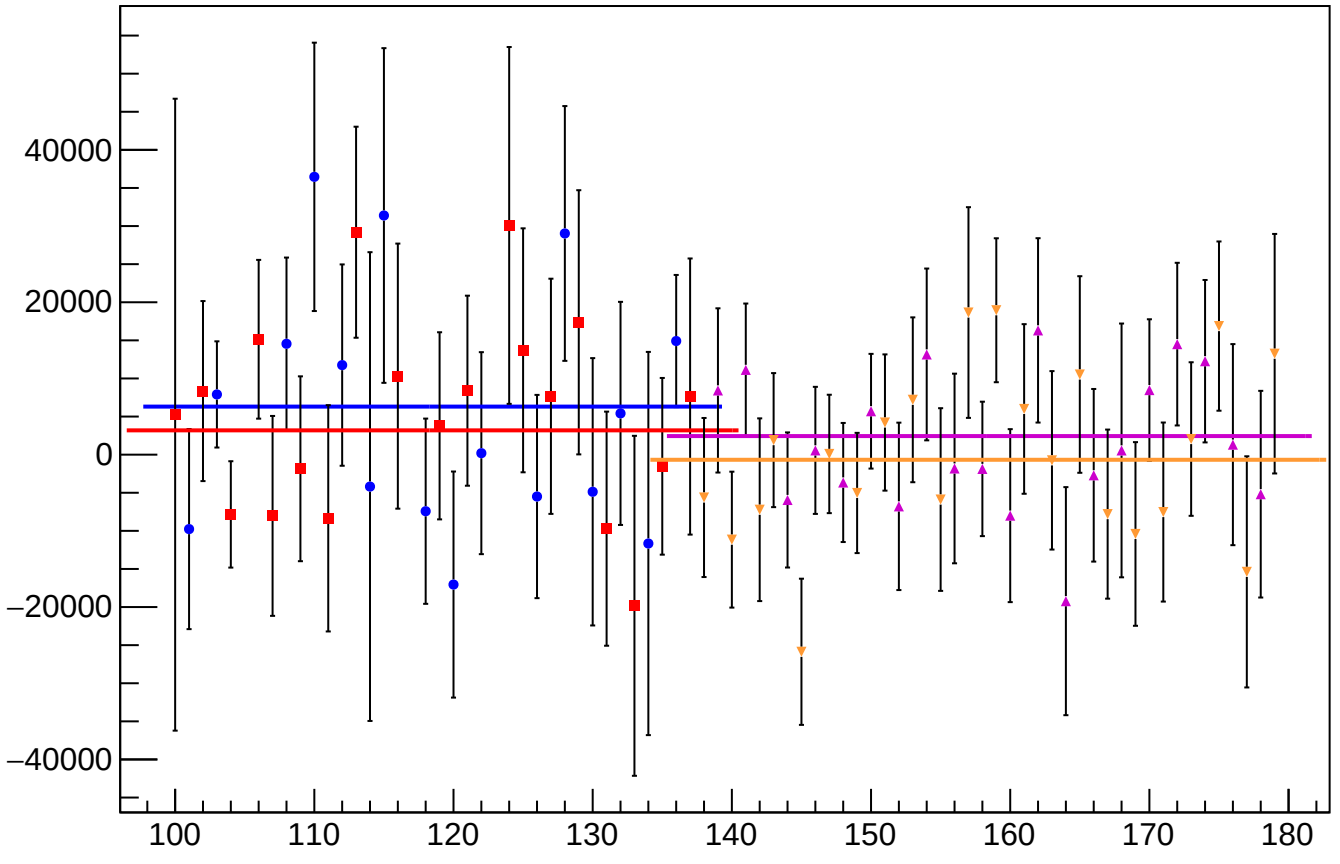
Left: 9134.197+/-1.135 χ^2/NDF: 2156896.3/41

Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8879.354+/-1.322 χ^2/NDF:1724325.4/35

Out: 8560.964+/-1.249 χ^2/NDF:2421141.1/40

All: 8711.090+/-0.908 χ^2/NDF: 4176107.9/76



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -672.075+/-2238.485 χ^2/NDF:23.3/21

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2438.730+/-2298.928 χ^2/NDF:12.4/19

Left: 841.896+/-1603.791 χ^2/NDF: 36.6/41

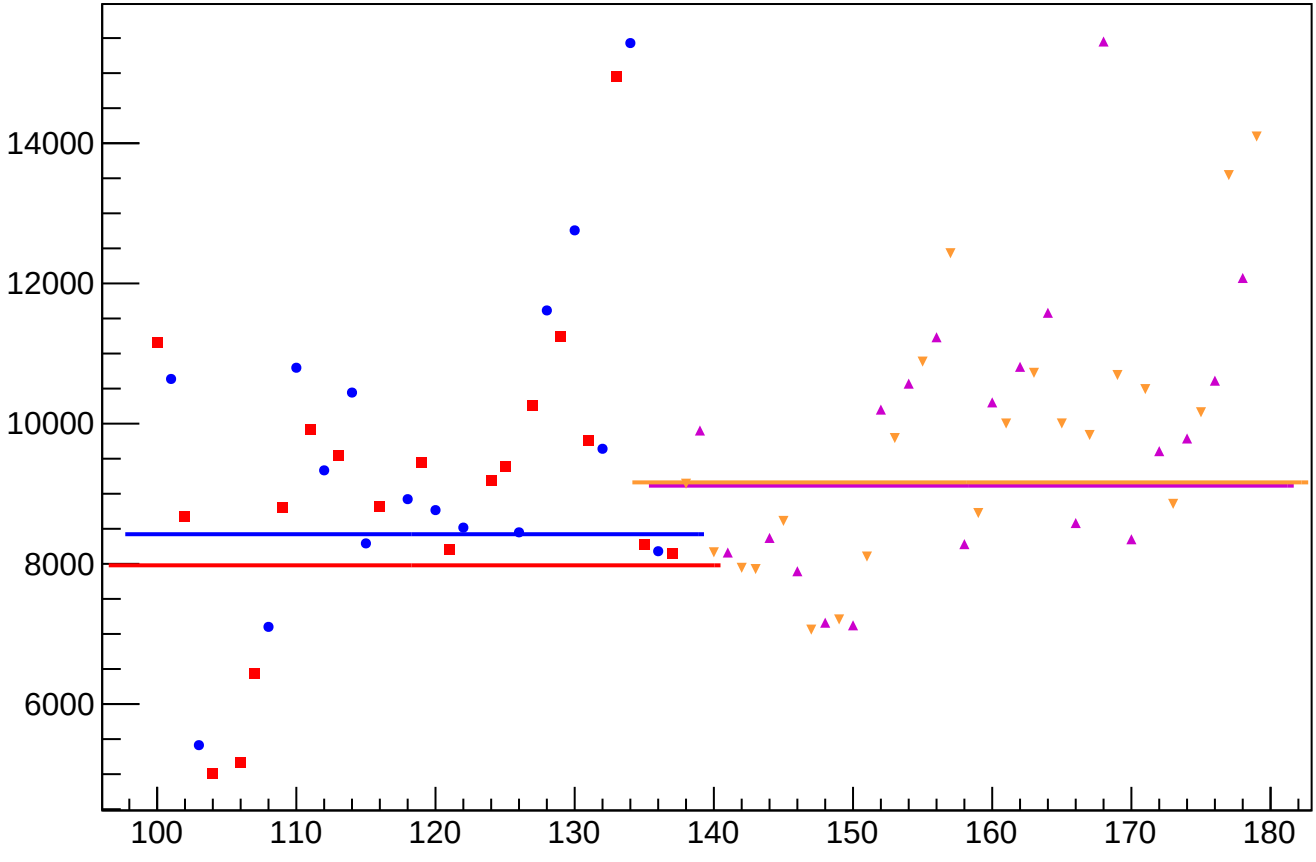
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3734.249+/-1874.851 χ^2/NDF:28.4/35

Out: 669.048+/-1808.451 χ^2/NDF:38.2/40

All: 2146.409+/-1301.610 χ^2/NDF: 68.0/76

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9162.043+/-1.583 χ^2/NDF:1056023.4/21

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9115.357+/-1.626 χ^2/NDF:1041882.1/19

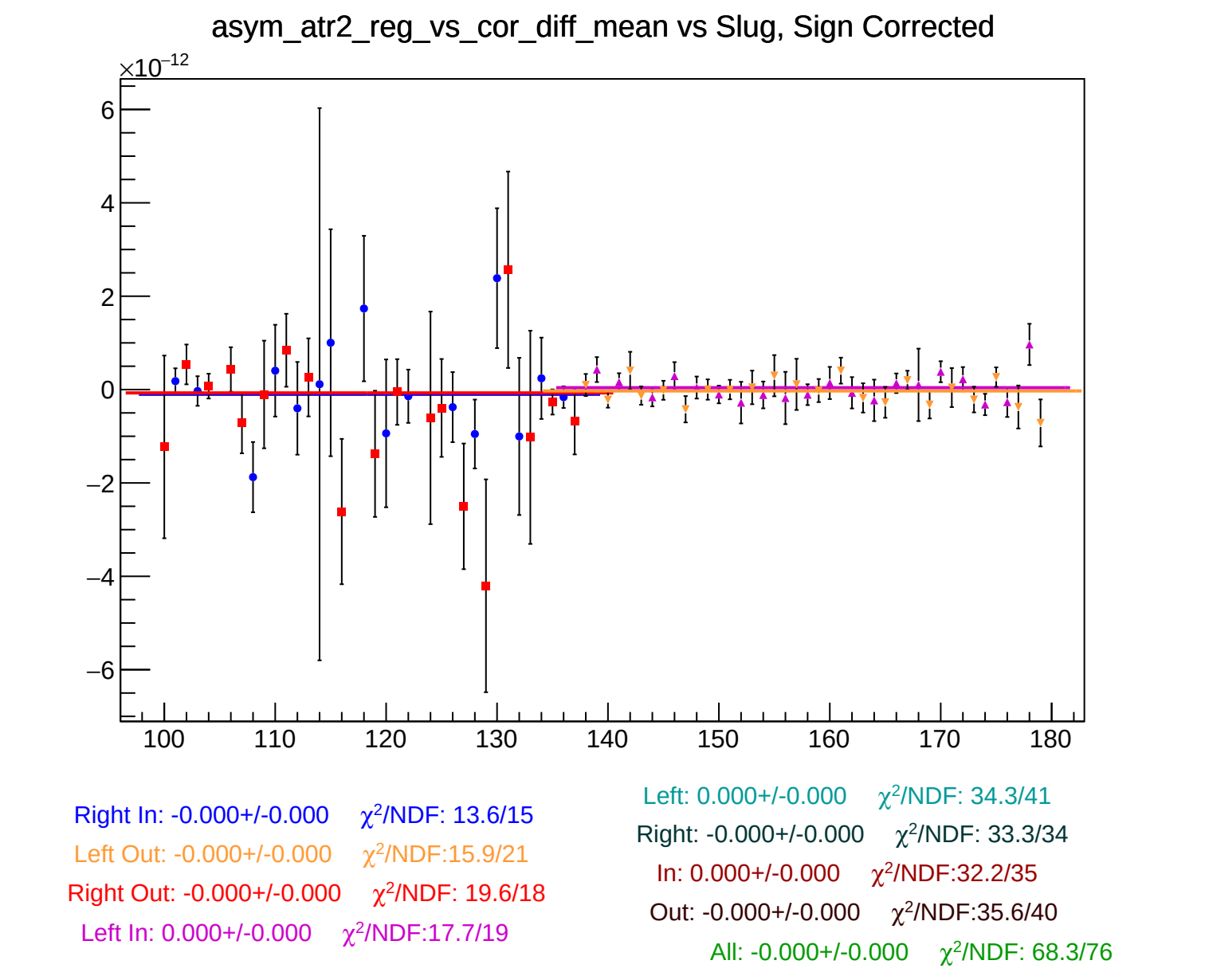
Left: 9139.322+/-1.134 χ^2/NDF: 2098328.9/41

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8883.388+/-1.326 χ^2/NDF:1984517.9/35

Out: 8751.146+/-1.279 χ^2/NDF:2266066.5/40

All: 8814.883+/-0.920 χ^2/NDF: 4255738.9/76


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
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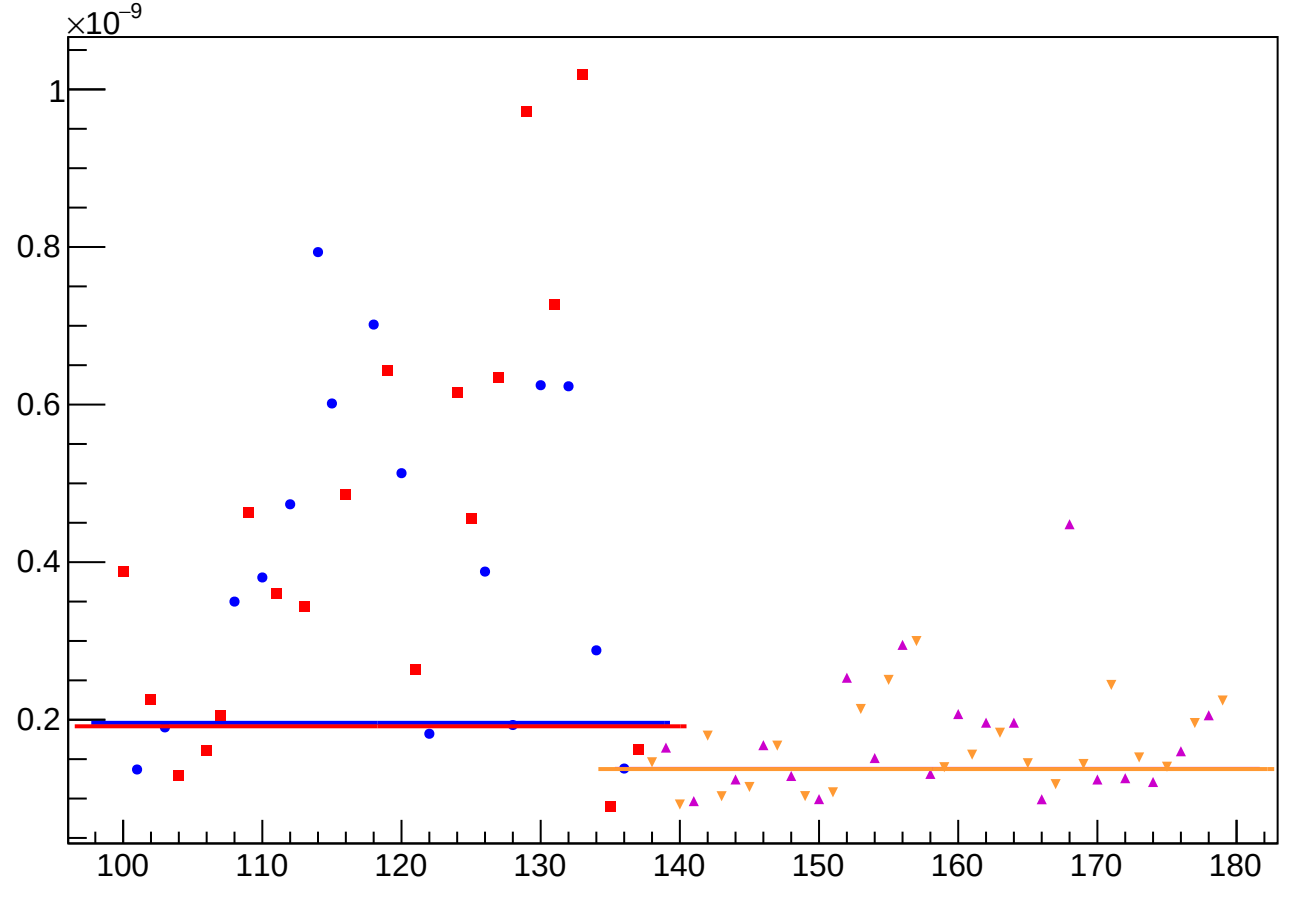
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:15.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:17.7/19
Left: 0.000+/-0.000 χ²/NDF: 34.3/41
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:32.2/35
Out: -0.000+/-0.000 χ²/NDF:35.6/40
All: -0.000+/-0.000 χ²/NDF: 68.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1061719.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1169583.4/19

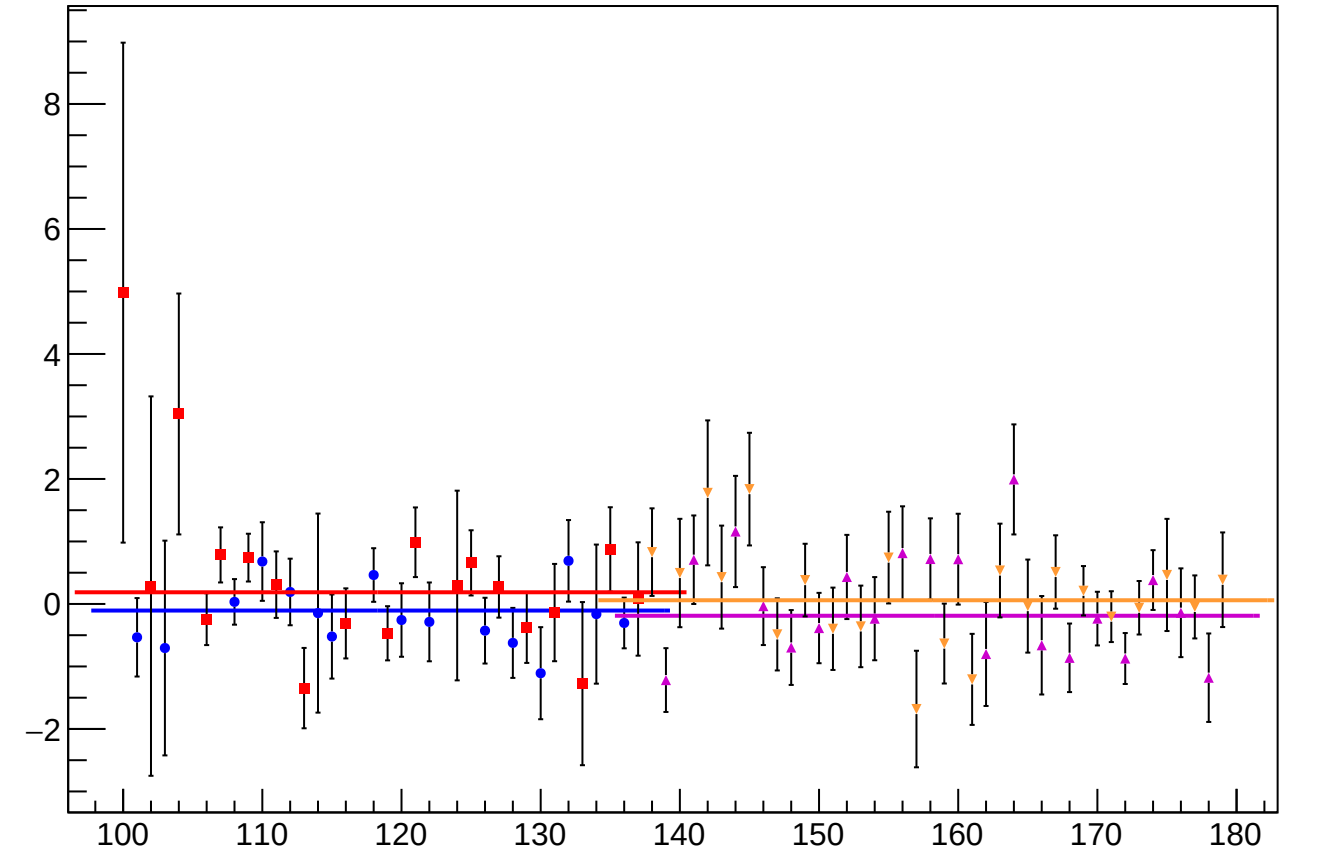
Left: 0.000+/-0.000 χ^2/NDF: 2231315.5/41

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2828047.2/35

Out: 0.000+/-0.000 χ^2/NDF:3388986.2/40

All: 0.000+/-0.000 χ^2/NDF: 6218824.5/76



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.189+/-0.137 χ^2/NDF:29.8/19

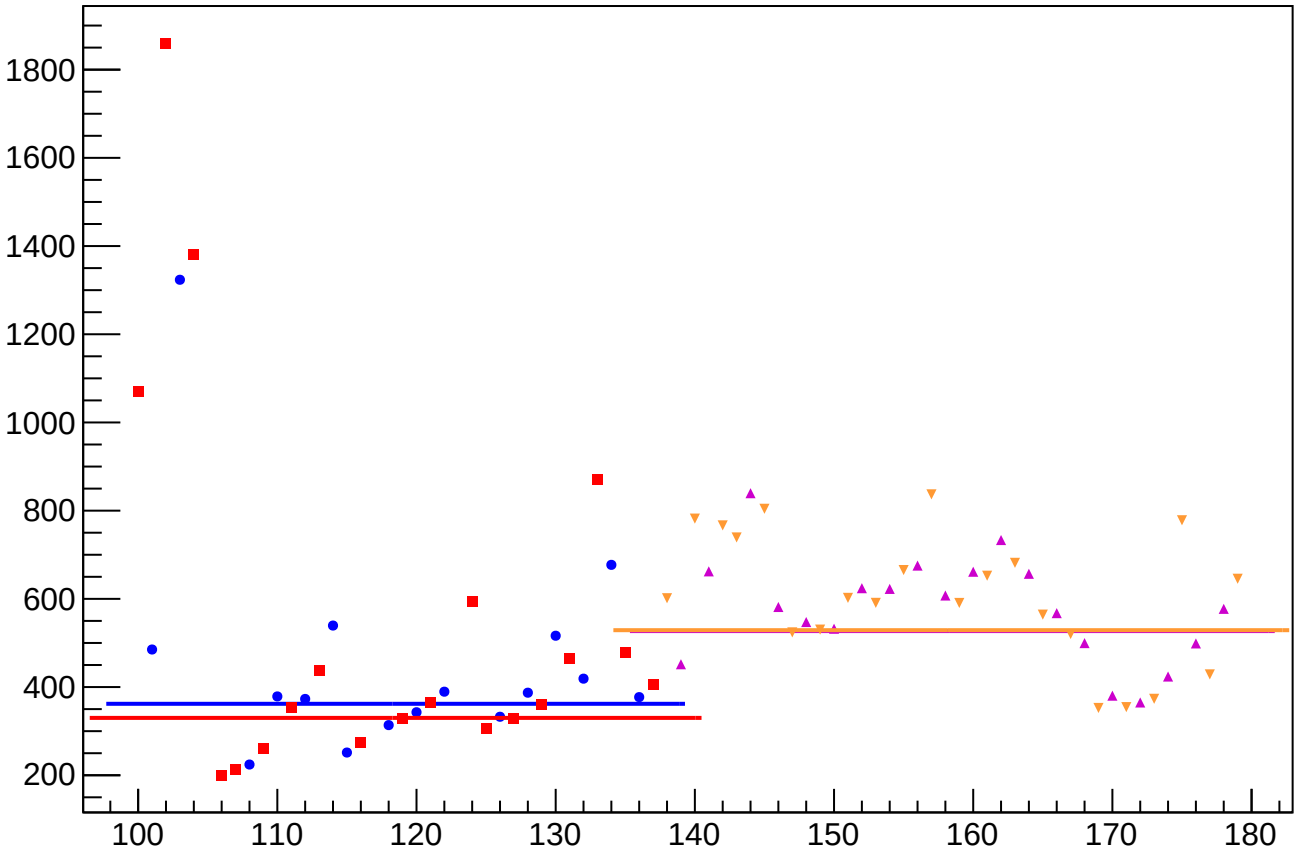
Left: -0.062+/-0.095 χ^2/NDF: 51.9/41

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.150+/-0.099 χ^2/NDF:39.7/35

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.009+/-0.069 χ^2/NDF: 88.3/76



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 528.965+/-0.094 χ^2/NDF:2397665.2/21

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

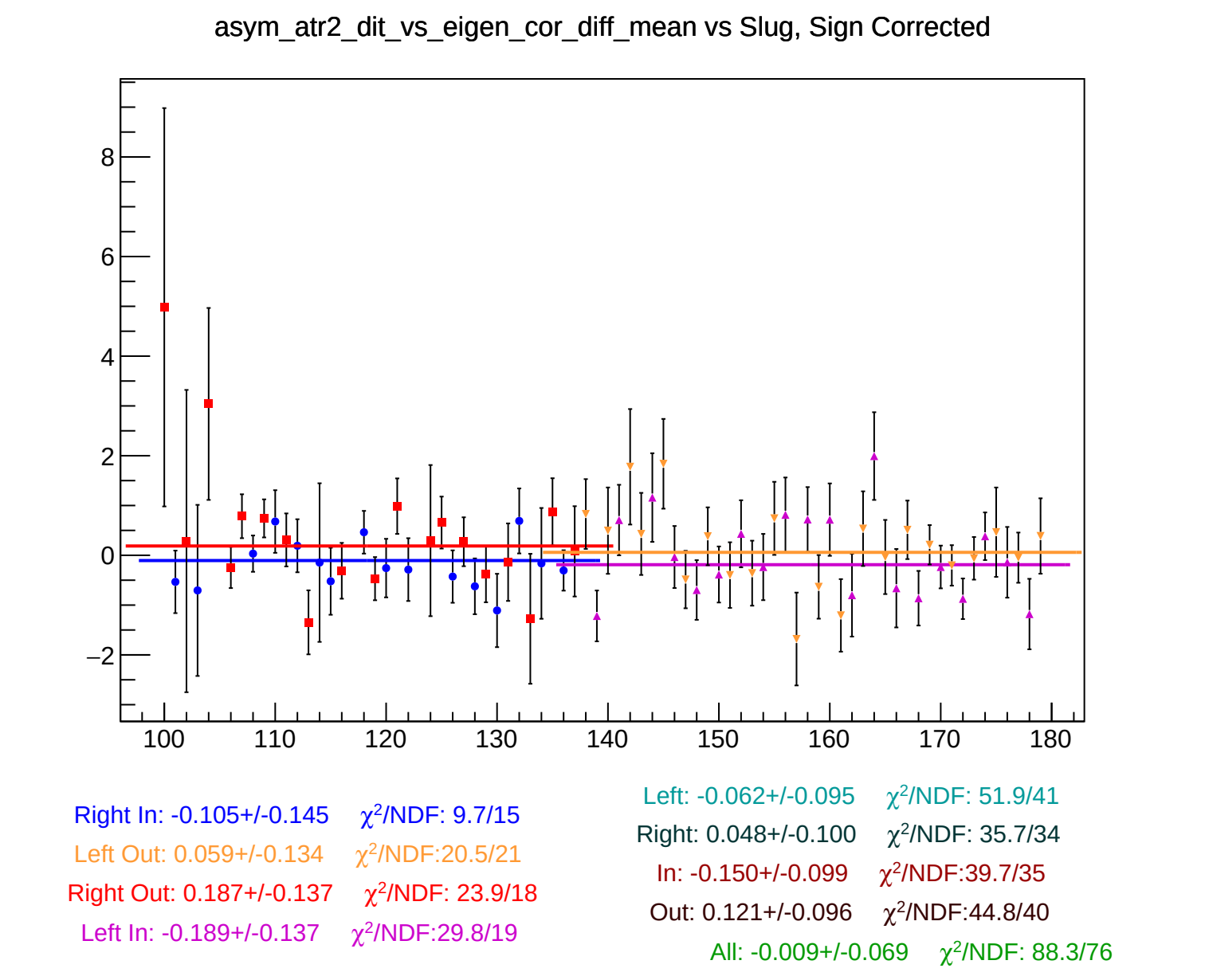
Left: 527.970+/-0.068 χ^2/NDF: 3871507.0/41

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 449.212+/-0.070 χ^2/NDF:4224275.6/35

Out: 432.359+/-0.068 χ^2/NDF:6798663.4/40

All: 440.478+/-0.049 χ^2/NDF: 11052774.3/76


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
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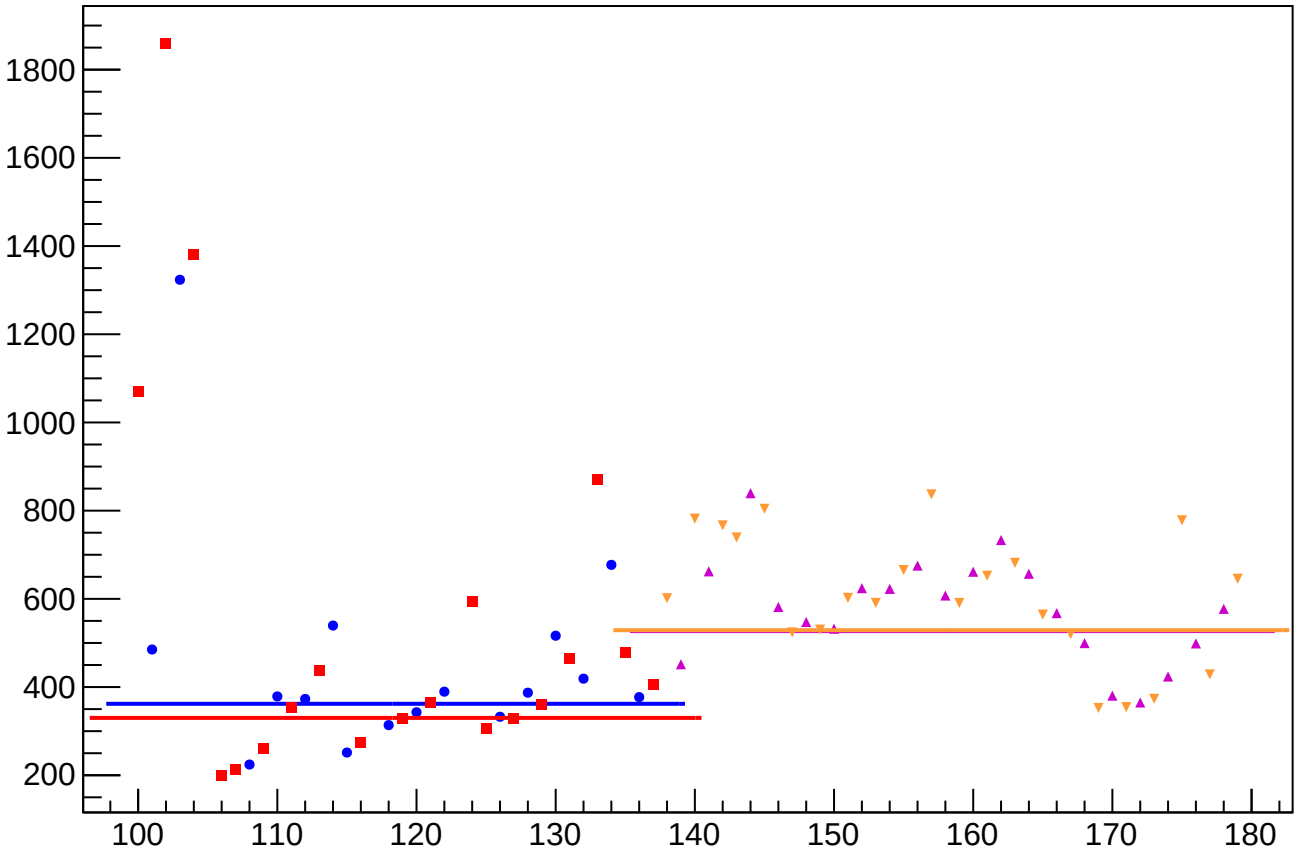
−2
100
110
120
130
140
150
160
170
180
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.059+/-0.134 χ²/NDF:20.5/21
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.189+/-0.137 χ²/NDF:29.8/19
Left: -0.062+/-0.095 χ²/NDF: 51.9/41
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.150+/-0.099 χ²/NDF:39.7/35
Out: 0.121+/-0.096 χ²/NDF:44.8/40
All: -0.009+/-0.069 χ²/NDF: 88.3/76



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 528.965+/-0.094 χ^2/NDF:2397665.2/21

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

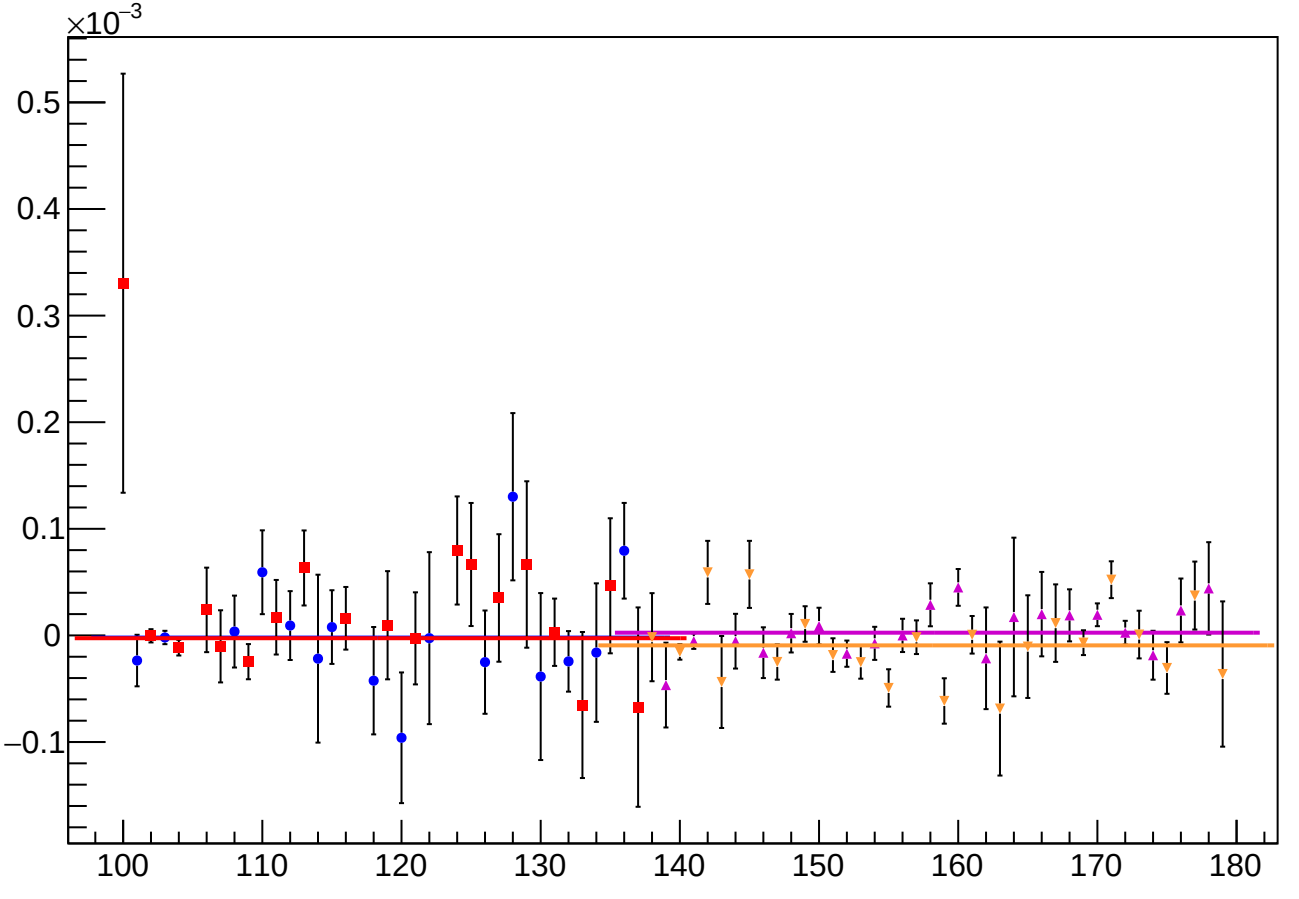
Left: 527.970+/-0.068 χ^2/NDF: 3871507.0/41

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 449.212+/-0.070 χ^2/NDF:4224275.6/35

Out: 432.359+/-0.068 χ^2/NDF:6798663.4/40

All: 440.478+/-0.049 χ^2/NDF: 11052774.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/19

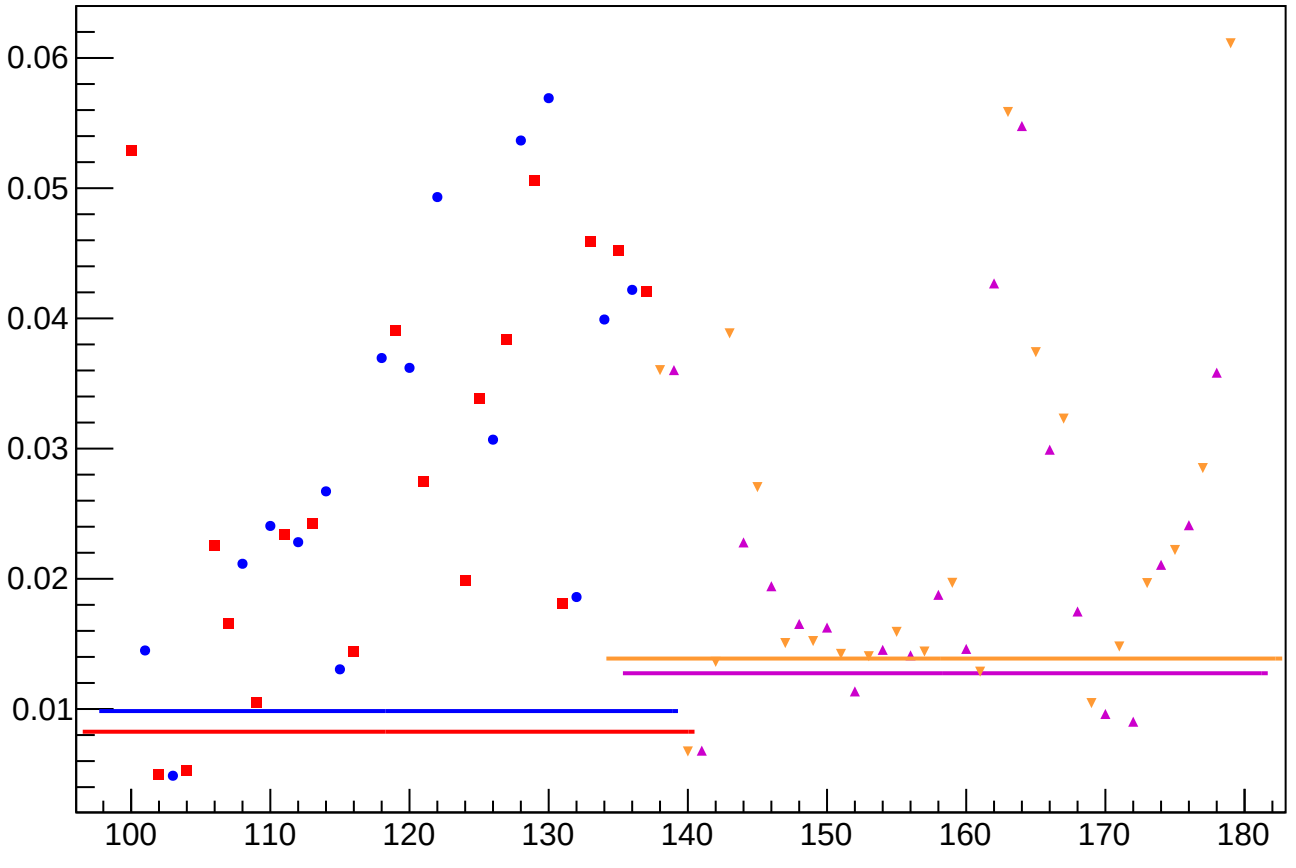
Left: -0.000+/-0.000 χ^2/NDF: 68.8/41

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:34.2/35

Out: -0.000+/-0.000 χ^2/NDF:63.5/40

All: -0.000+/-0.000 χ^2/NDF: 100.8/76



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7509011.5/21

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:6330766.5/19

Left: 0.013+/-0.000 χ^2/NDF: 13929092.0/41

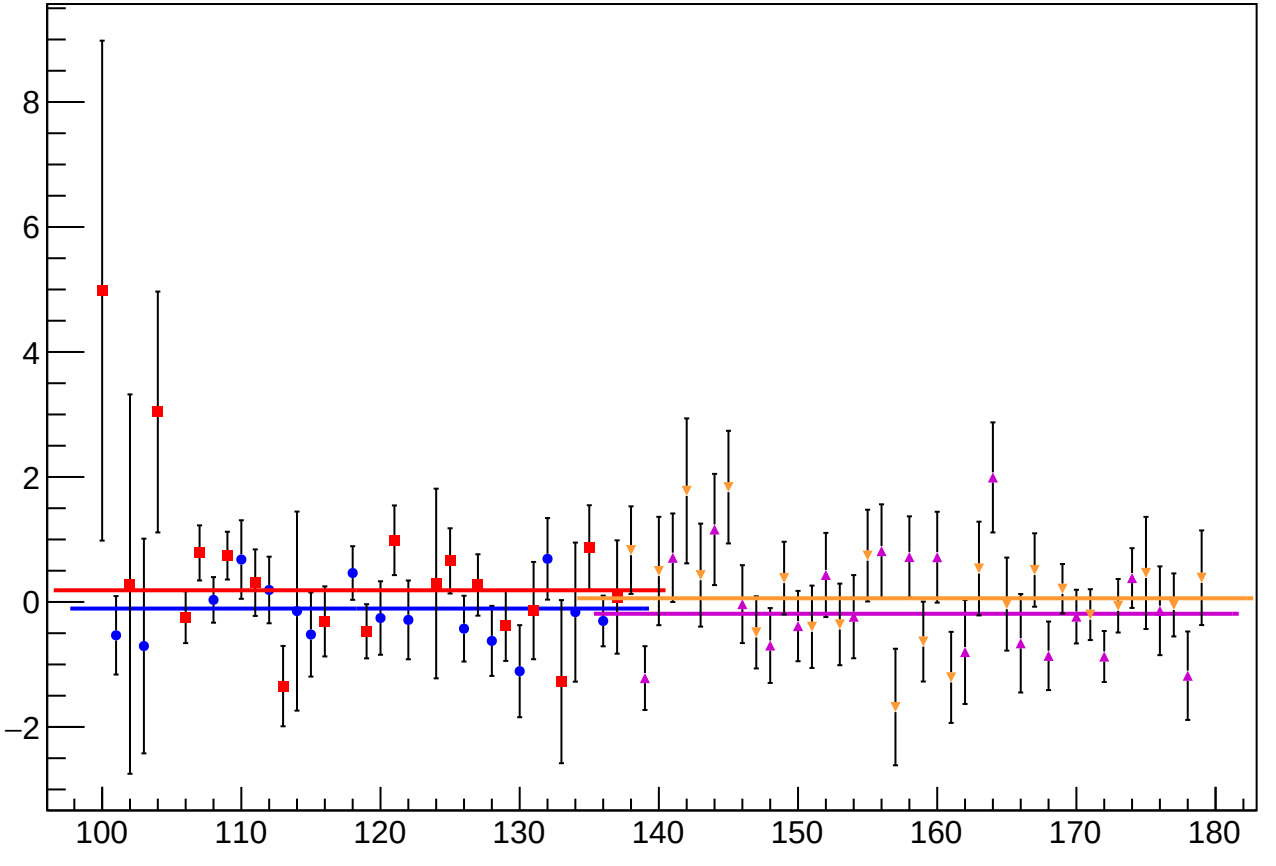
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:13776631.6/35

Out: 0.011+/-0.000 χ^2/NDF:16176300.2/40

All: 0.012+/-0.000 χ^2/NDF: 29982411.9/76

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.189+/-0.137 χ^2/NDF:29.8/19

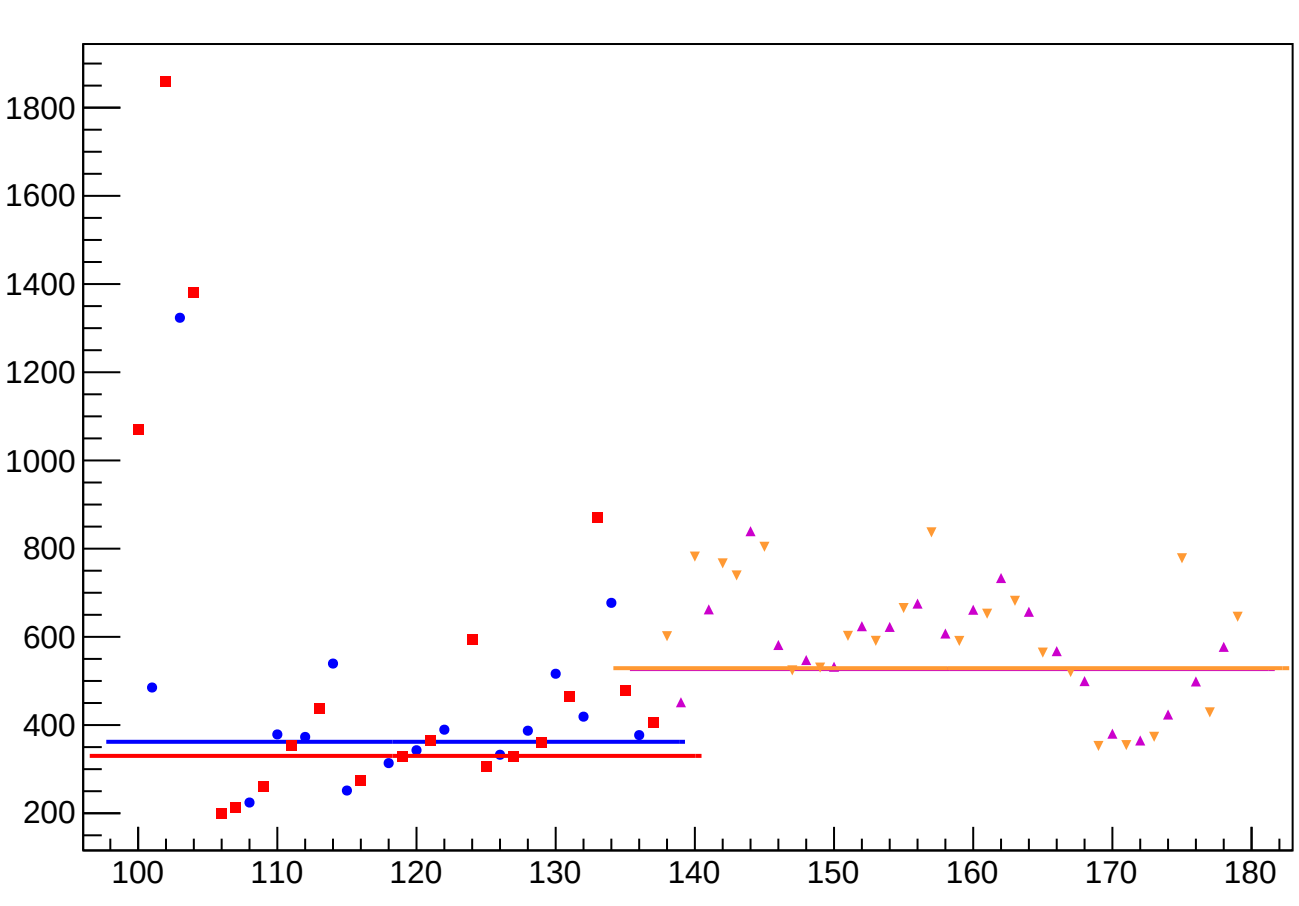
Left: -0.062+/-0.095 χ^2/NDF: 51.9/41

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.150+/-0.099 χ^2/NDF:39.7/35

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.009+/-0.069 χ^2/NDF: 88.3/76



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 528.969+/-0.094 χ^2/NDF:2397758.1/21

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.935+/-0.097 χ^2/NDF:1473666.7/19

Left: 527.975+/-0.068 χ^2/NDF: 3871651.6/41

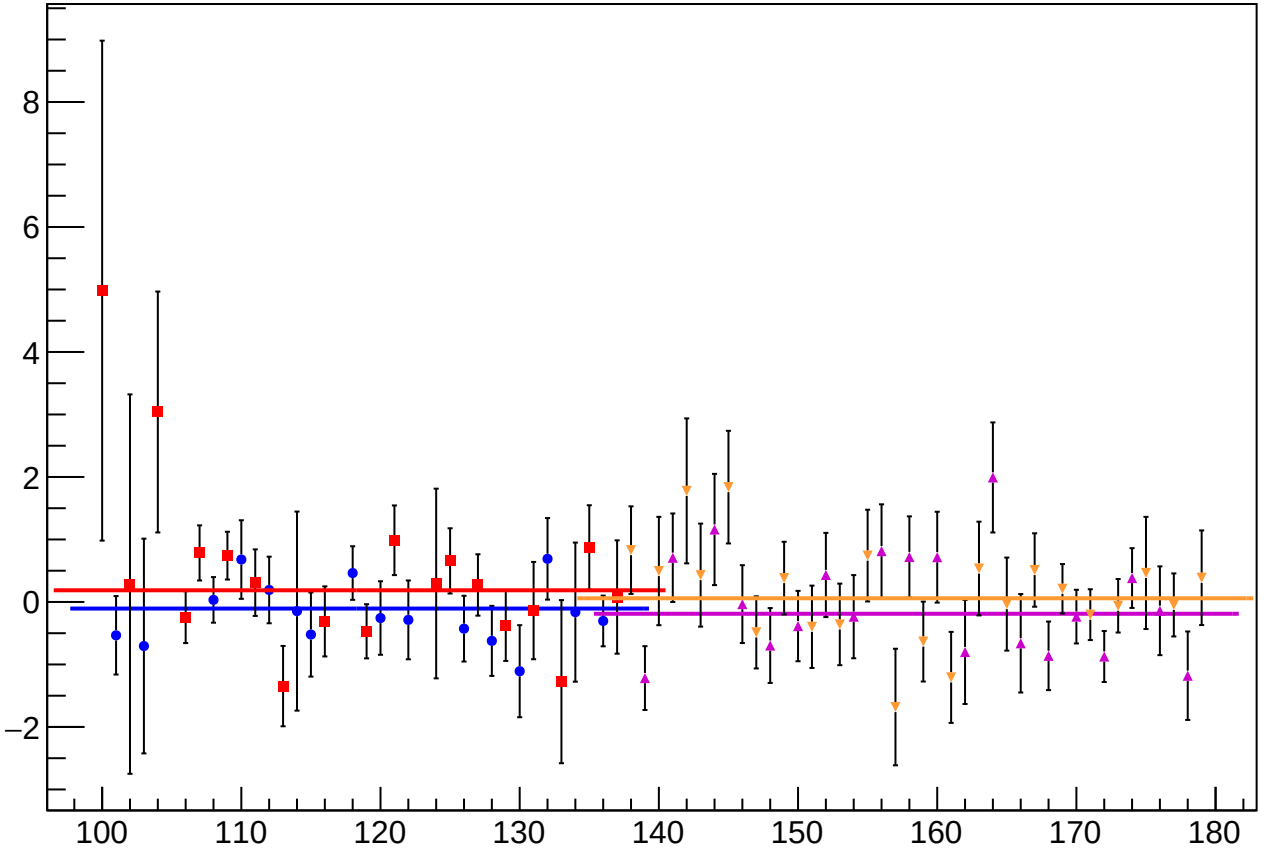
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 449.212+/-0.070 χ^2/NDF:4224456.0/35

Out: 432.359+/-0.068 χ^2/NDF:6798858.7/40

All: 440.478+/-0.049 χ^2/NDF: 11053149.0/76

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.134 χ^2/NDF:20.5/21

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.189+/-0.137 χ^2/NDF:29.8/19

Left: -0.062+/-0.095 χ^2/NDF: 51.9/41

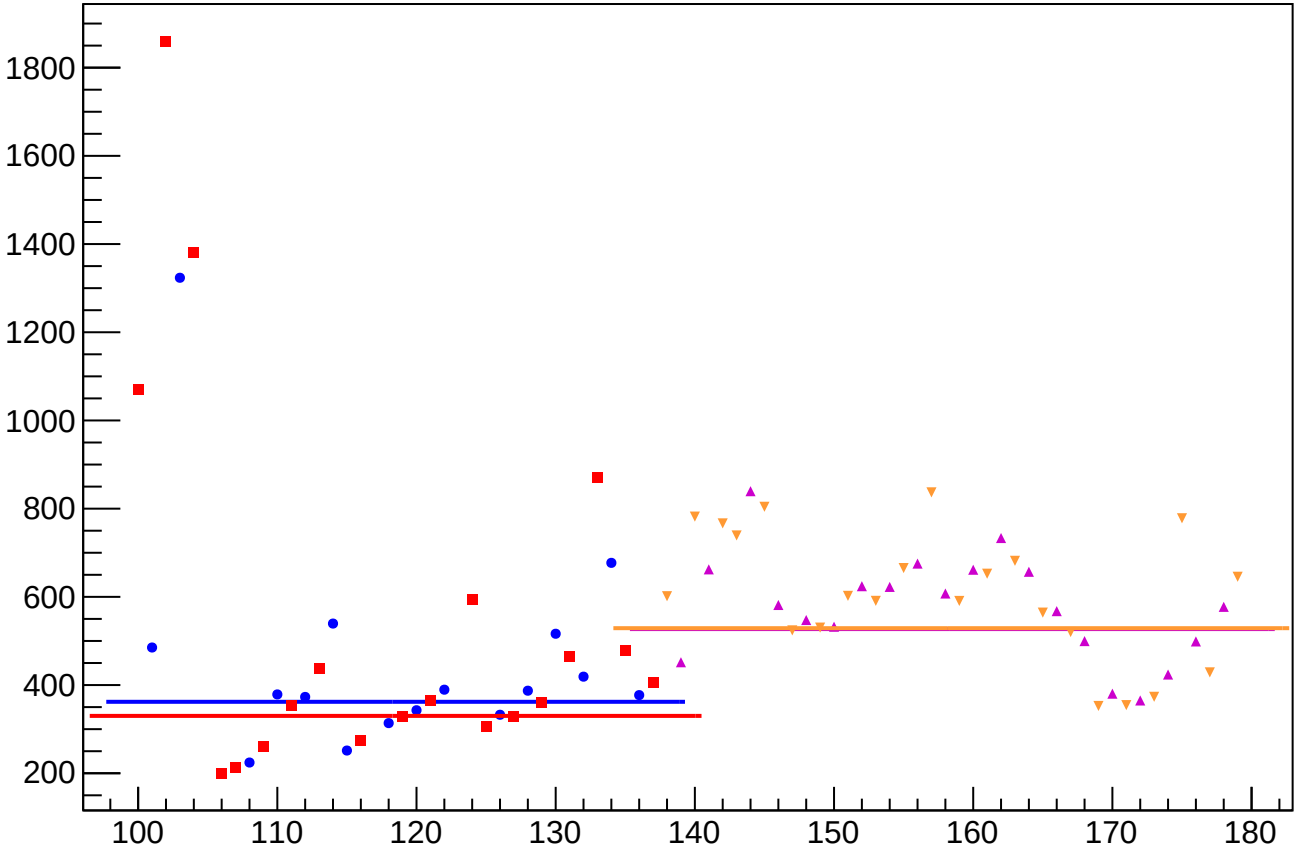
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.150+/-0.099 χ^2/NDF:39.7/35

Out: 0.121+/-0.096 χ^2/NDF:44.8/40

All: -0.009+/-0.069 χ^2/NDF: 88.3/76

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 528.969+/-0.094 χ^2/NDF:2397758.1/21

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.935+/-0.097 χ^2/NDF:1473666.7/19

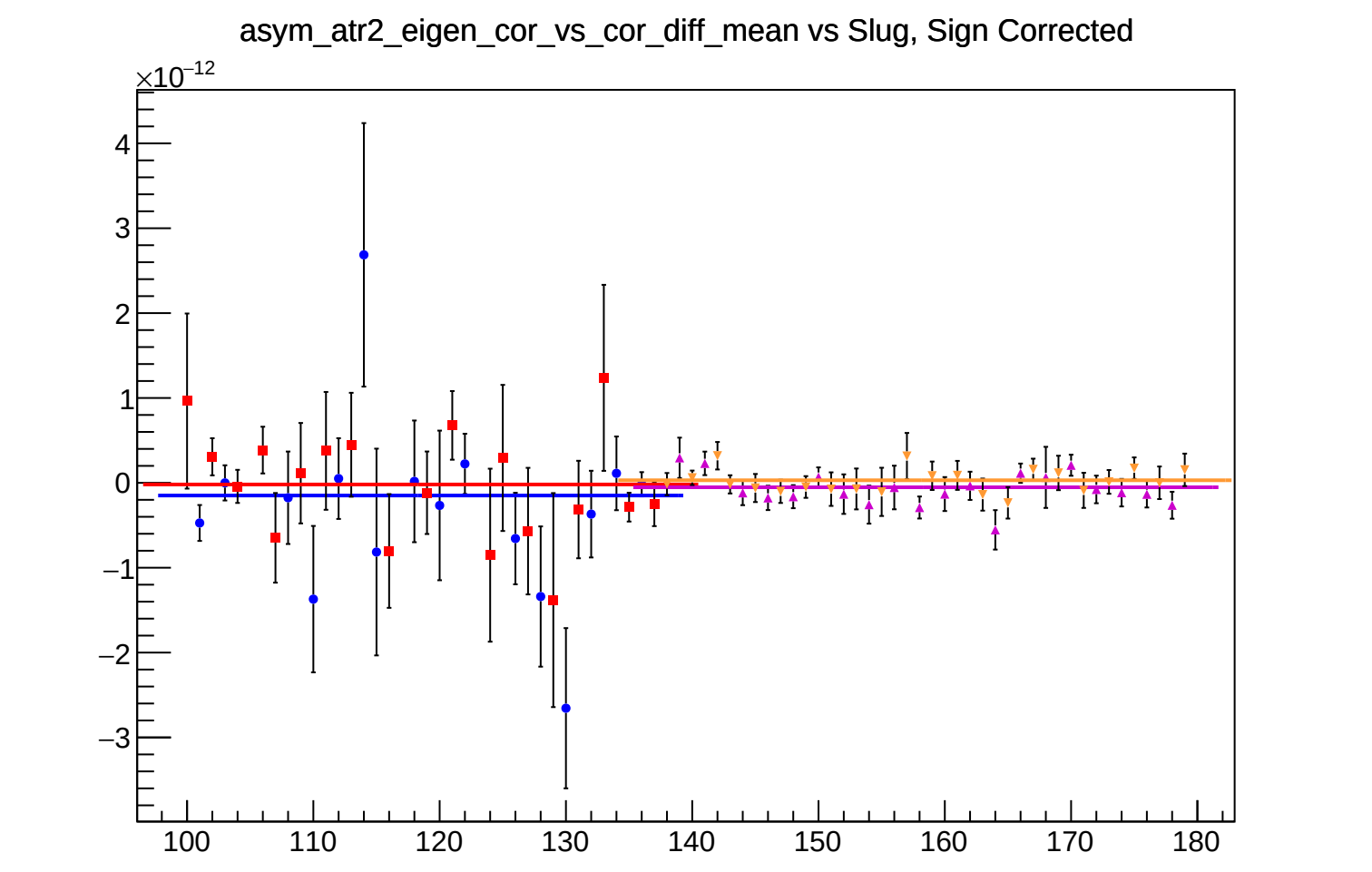
Left: 527.975+/-0.068 χ^2/NDF: 3871651.6/41

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 449.212+/-0.070 χ^2/NDF:4224456.0/35

Out: 432.359+/-0.068 χ^2/NDF:6798858.7/40

All: 440.478+/-0.049 χ^2/NDF: 11053149.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:27.1/19

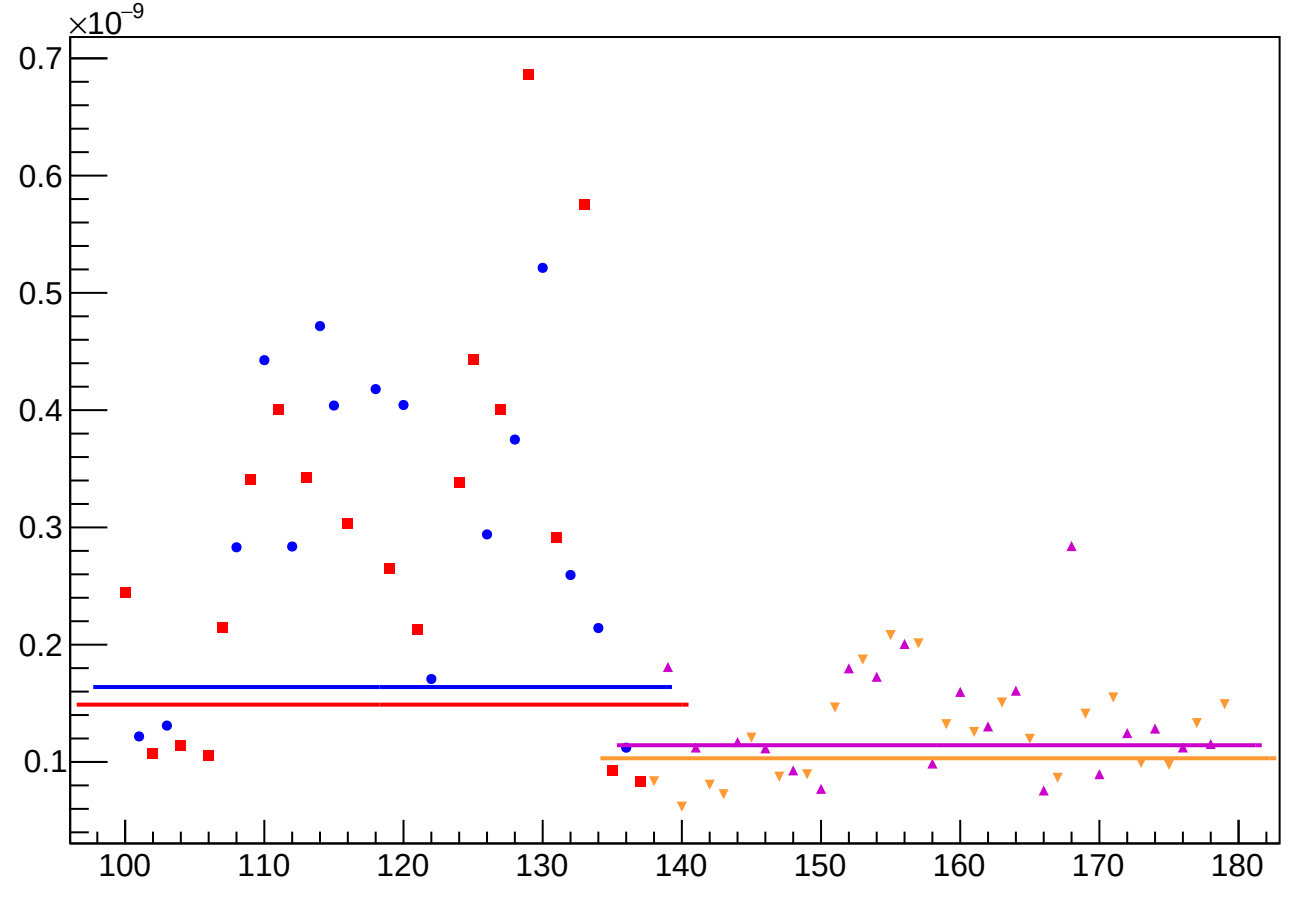
Left: -0.000+/-0.000 χ^2/NDF: 43.4/41

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:49.4/35

Out: 0.000+/-0.000 χ^2/NDF:33.1/40

All: -0.000+/-0.000 χ^2/NDF: 86.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2302051.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1954182.4/19

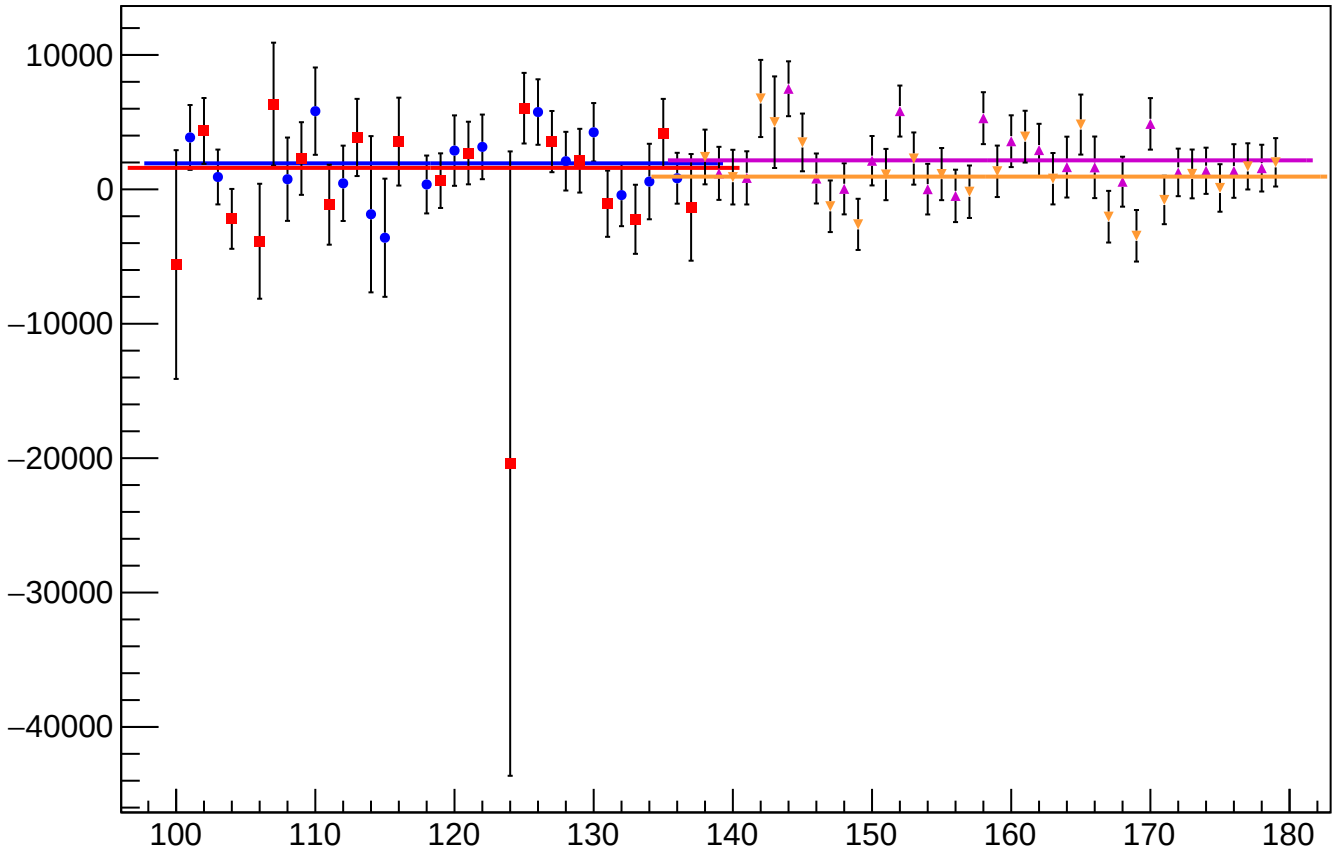
Left: 0.000+/-0.000 χ^2/NDF: 4363066.8/41

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4520541.6/35

Out: 0.000+/-0.000 χ^2/NDF:5668675.6/40

All: 0.000+/-0.000 χ^2/NDF: 10336535.0/76



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.069+/-420.351 χ^2/NDF:27.9/21

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2158.442+/-429.463 χ^2/NDF:23.0/19

Left: 1540.278+/-300.403 χ^2/NDF: 55.0/41

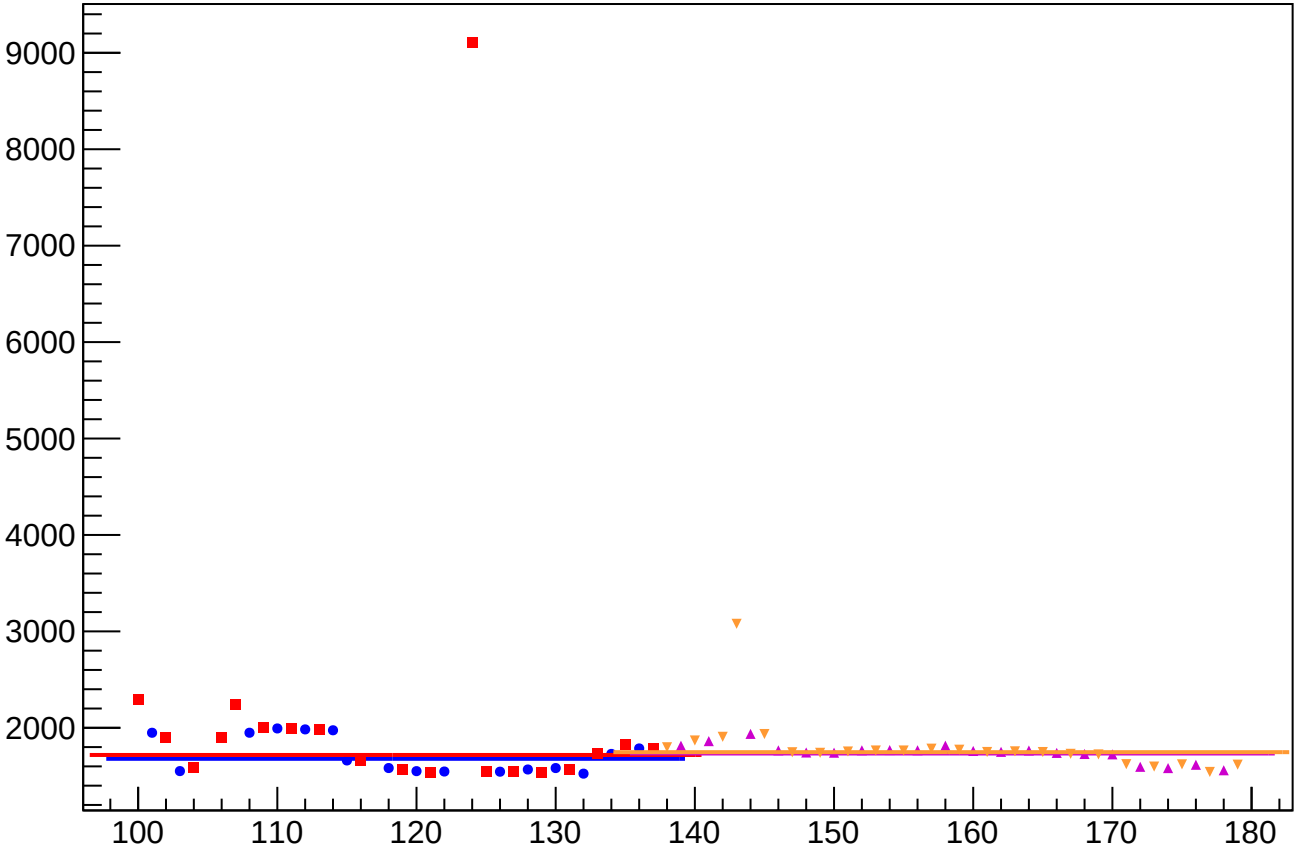
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2087.146+/-354.475 χ^2/NDF:34.0/35

Out: 1142.989+/-351.709 χ^2/NDF:48.0/40

All: 1611.369+/-249.668 χ^2/NDF: 85.6/76

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1747.412+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

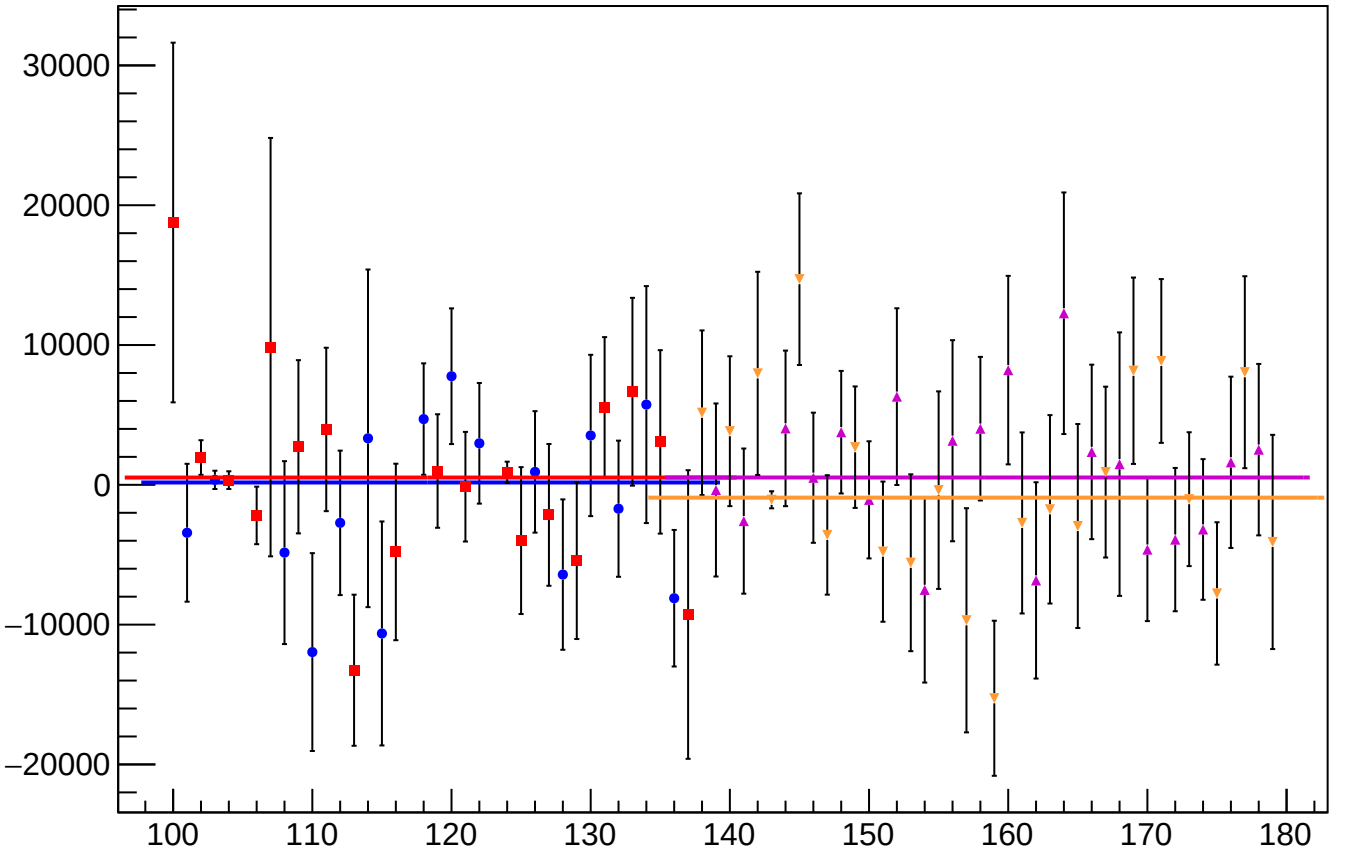
Left: 1740.664+/-0.212 χ^2/NDF: 503391.5/41

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1716.065+/-0.251 χ^2/NDF:245219.1/35

Out: 1738.627+/-0.248 χ^2/NDF:795158.9/40

All: 1727.450+/-0.176 χ^2/NDF: 1044466.6/76



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -916.180+/-550.710 χ^2/NDF:28.6/21

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 524.868+/-1272.644 χ^2/NDF:11.2/19

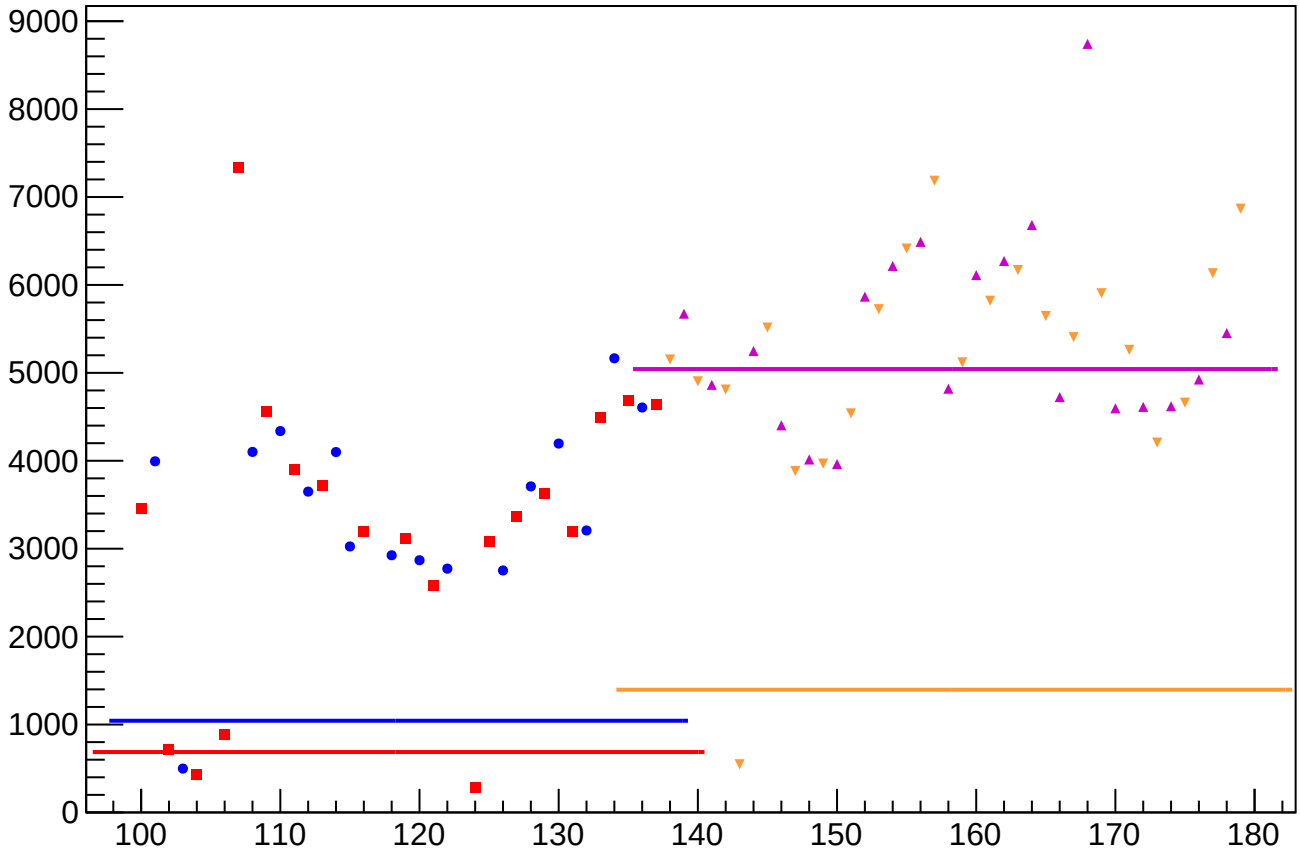
Left: -688.897+/-505.419 χ^2/NDF: 40.8/41

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 231.647+/-536.474 χ^2/NDF:27.1/35

Out: -15.053+/-336.351 χ^2/NDF:51.4/40

All: 54.558+/-284.973 χ^2/NDF: 78.6/76



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1396.129+/-0.389 χ^2/NDF:21672936.9/21

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5043.526+/-0.900 χ^2/NDF:1037982.3/19

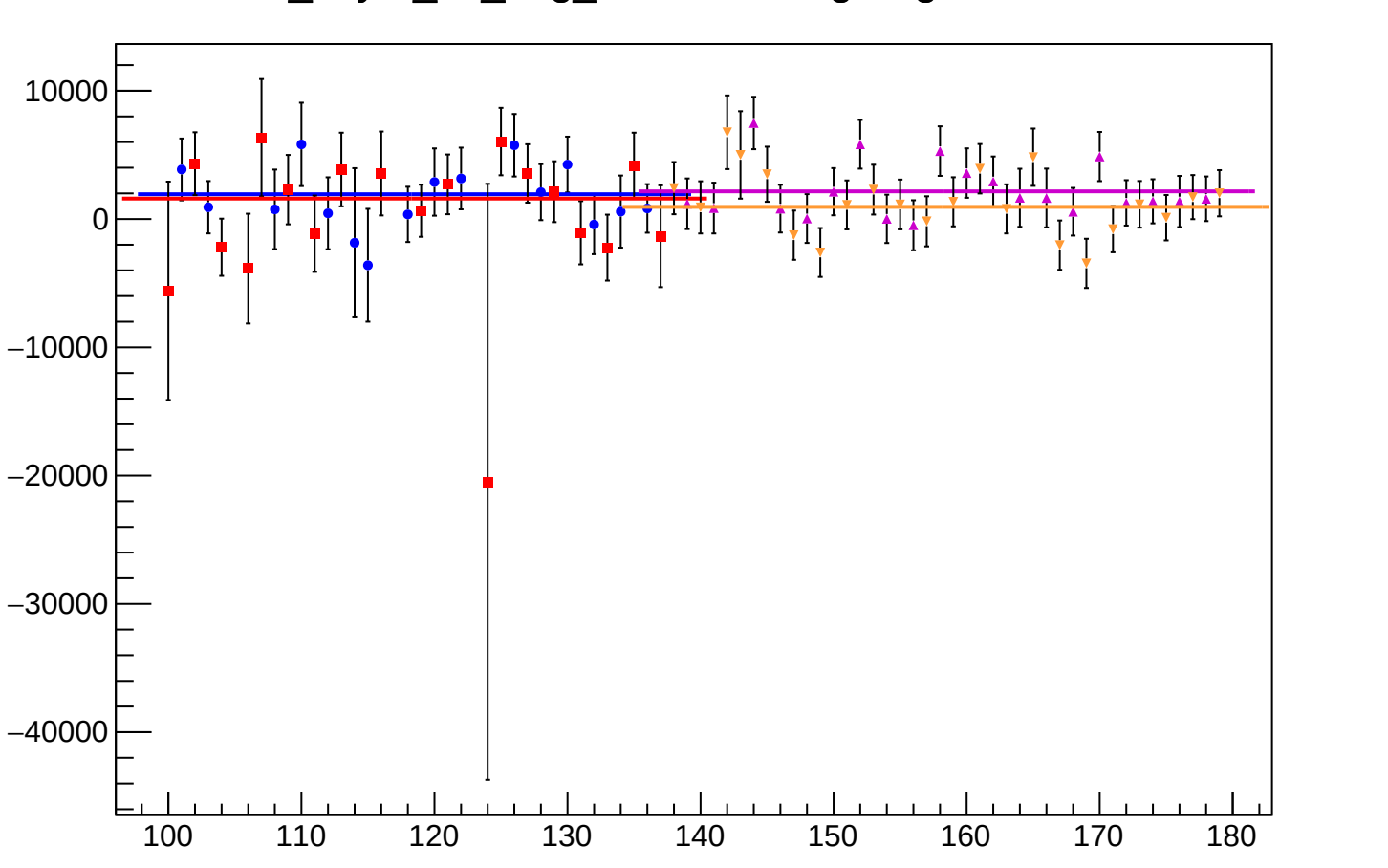
Left: 1971.399+/-0.357 χ^2/NDF: 36547800.3/41

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1753.983+/-0.379 χ^2/NDF:25399975.0/35

Out: 951.729+/-0.238 χ^2/NDF:32381677.5/40

All: 1178.100+/-0.202 χ^2/NDF: 60992196.9/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2158.463+/-429.463 χ^2/NDF:23.0/19

Left: 1540.266+/-300.403 χ^2/NDF: 55.0/41

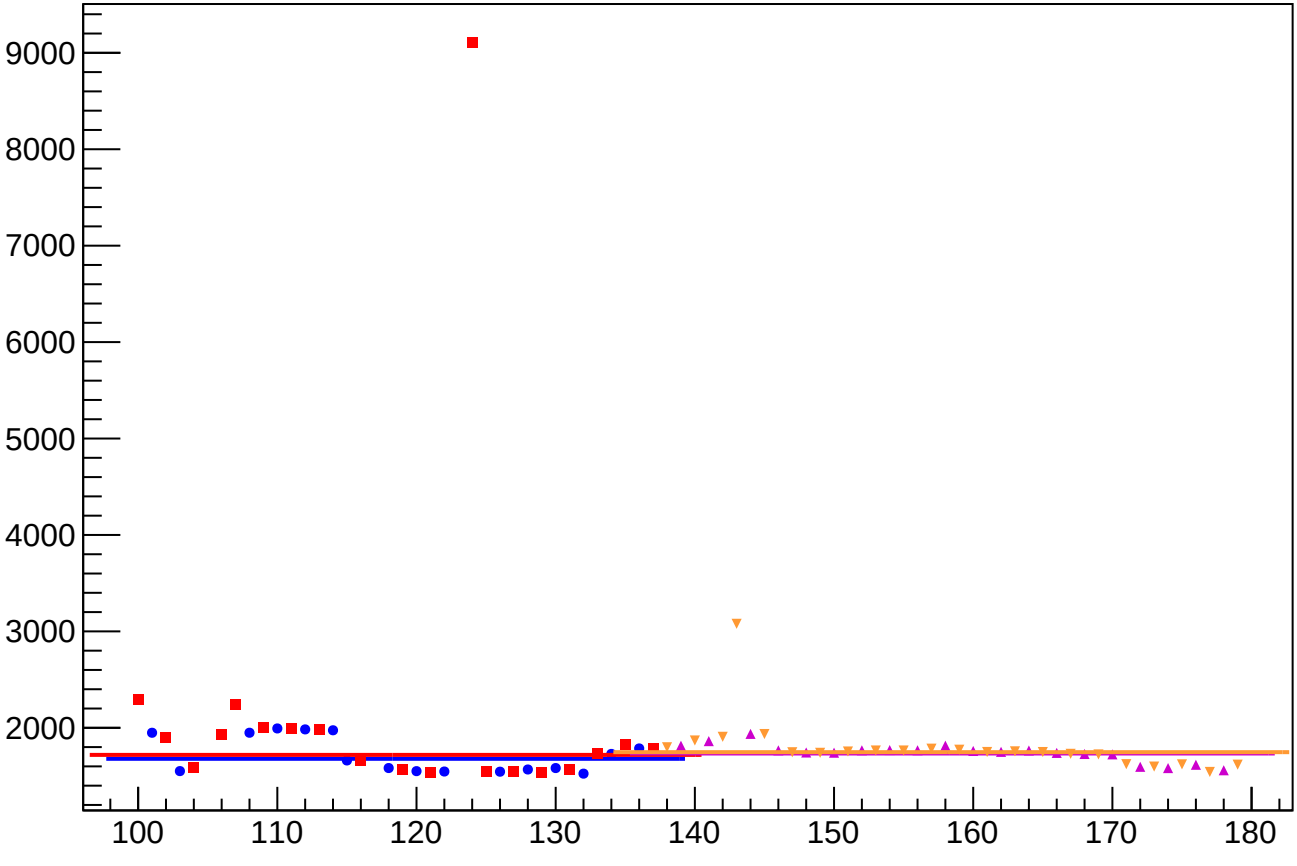
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2087.197+/-354.475 χ^2/NDF:34.0/35

Out: 1142.226+/-351.709 χ^2/NDF:48.0/40

All: 1611.011+/-249.668 χ^2/NDF: 85.6/76

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1747.413+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

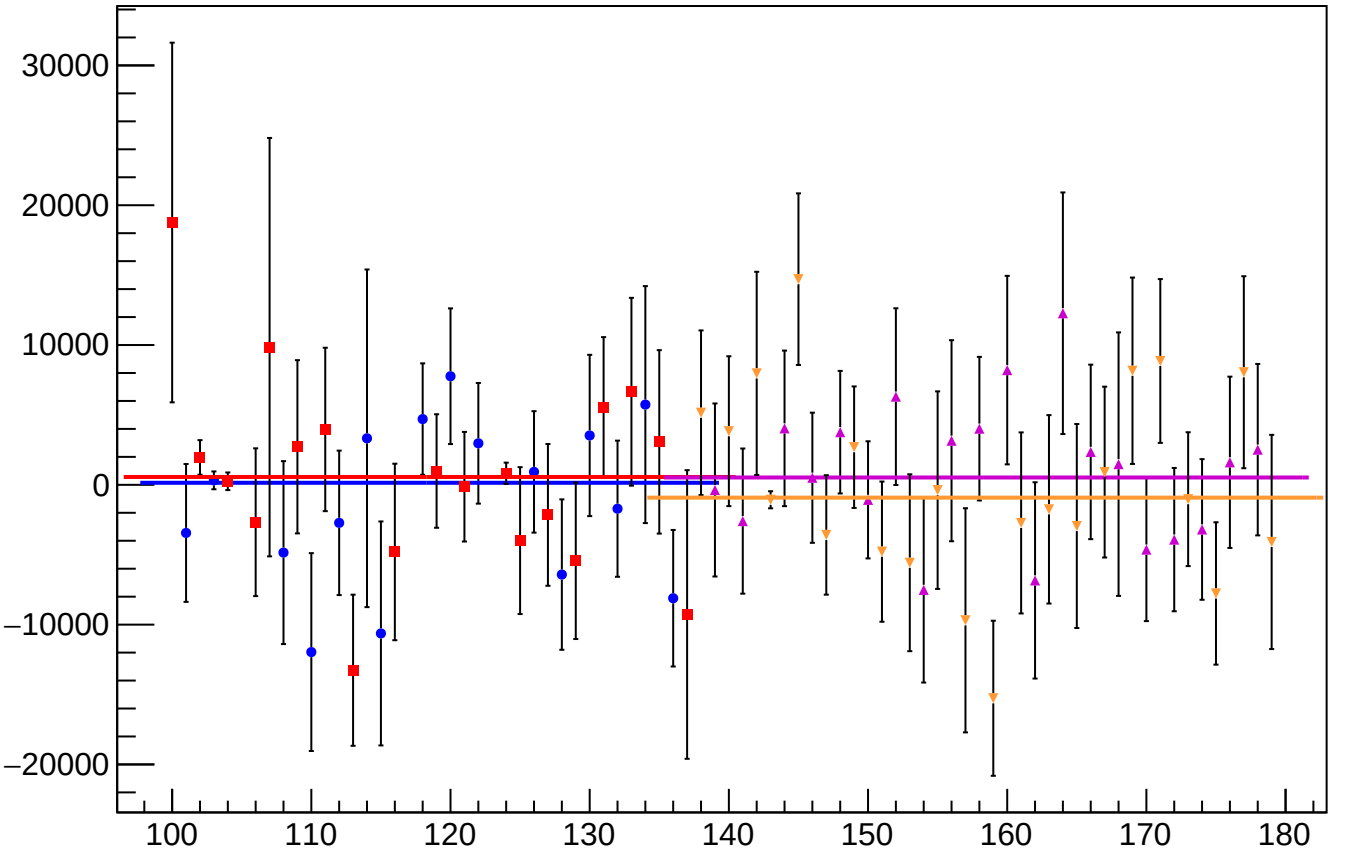
Left: 1740.664+/-0.212 χ^2/NDF: 503391.5/41

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1716.065+/-0.251 χ^2/NDF:245219.3/35

Out: 1738.884+/-0.248 χ^2/NDF:796736.4/40

All: 1727.578+/-0.176 χ^2/NDF: 1046137.7/76



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 524.991+/-1272.644 χ^2/NDF:11.2/19

Left: -688.621+/-505.404 χ^2/NDF: 40.8/41

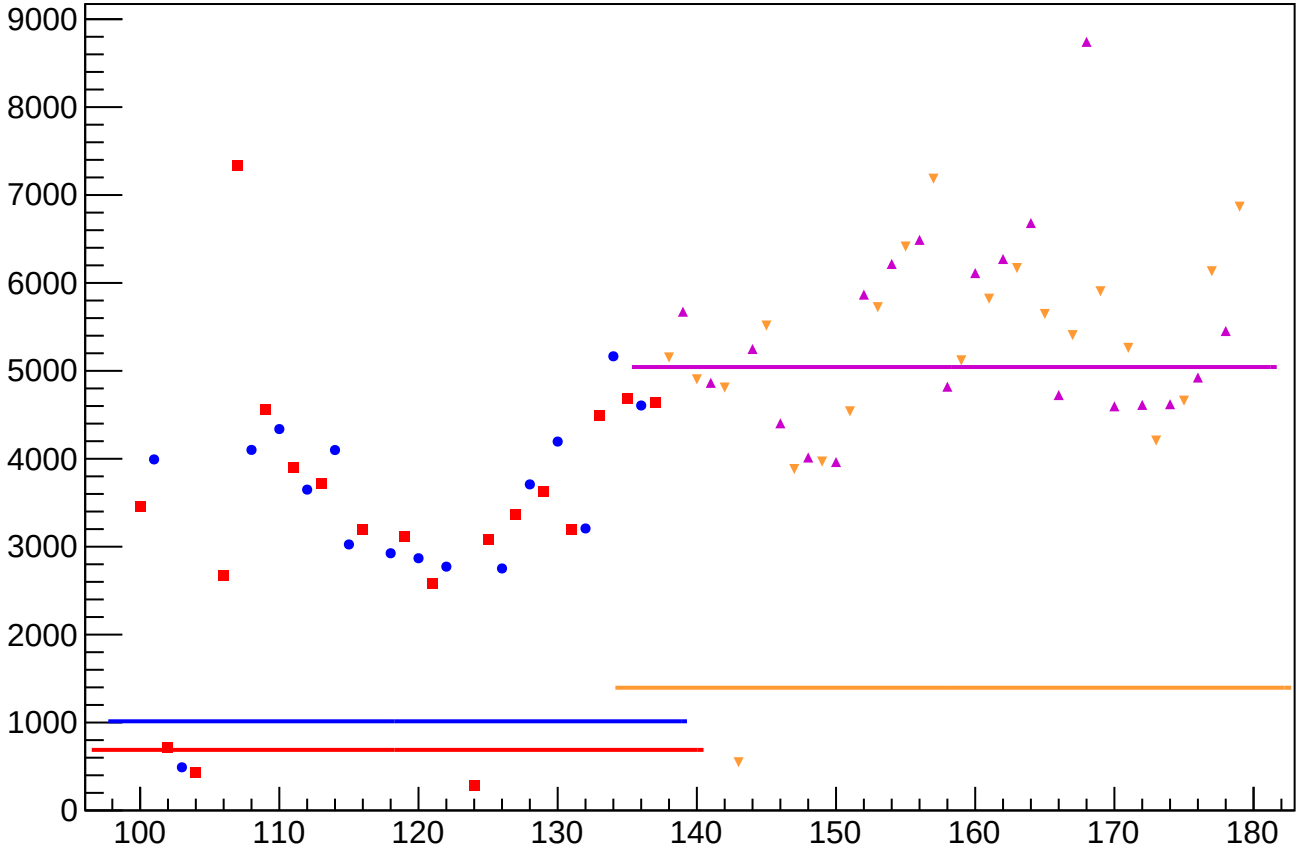
Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 211.514+/-527.289 χ^2/NDF:27.1/35

Out: 0.891+/-339.223 χ^2/NDF:50.3/40

All: 62.545+/-285.285 χ^2/NDF: 77.4/76

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

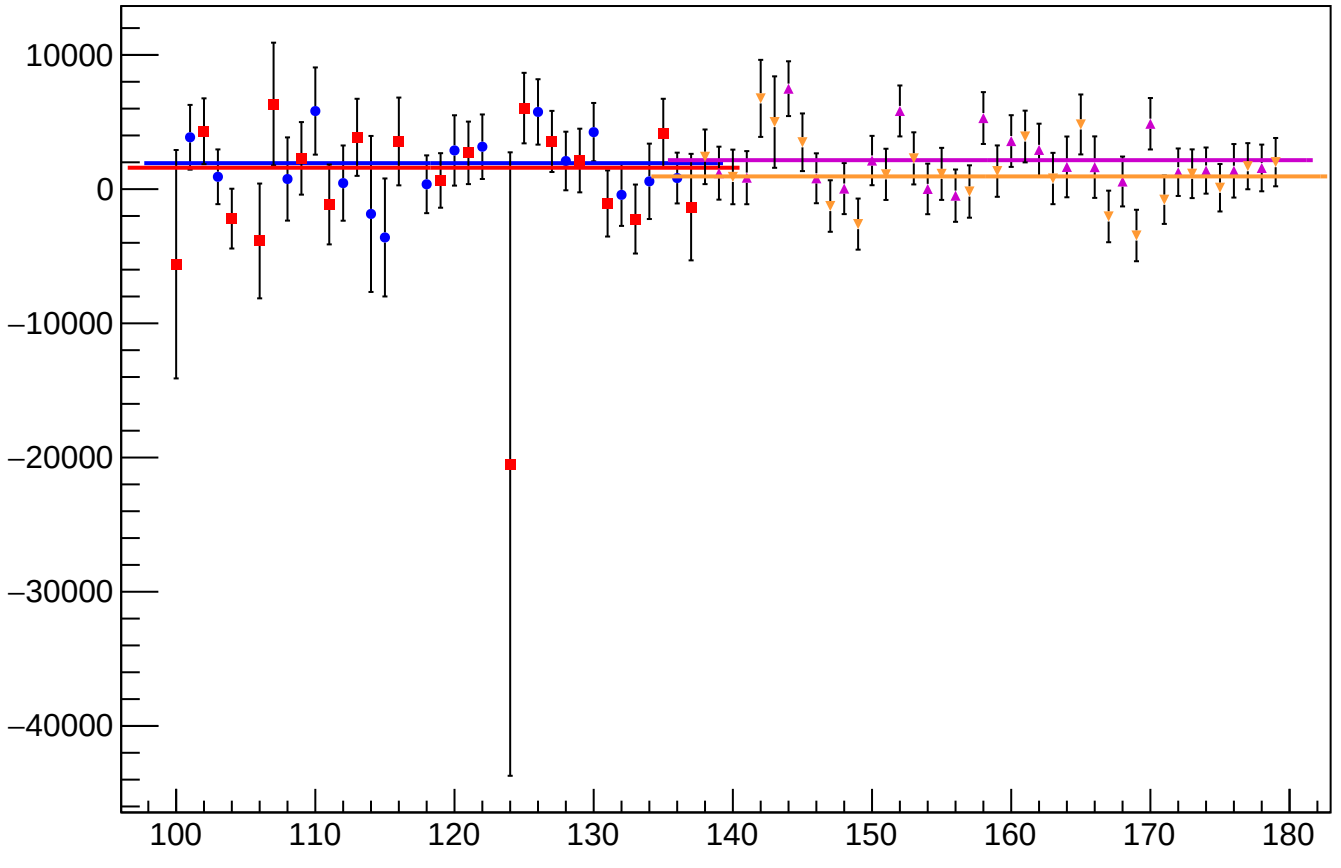
Left: 1971.303+/-0.357 χ^2/NDF: 36549049.5/41

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1705.809+/-0.373 χ^2/NDF:25868690.8/35

Out: 957.324+/-0.240 χ^2/NDF:32629470.7/40

All: 1176.424+/-0.202 χ^2/NDF: 61348439.0/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 948.027+/-420.351 χ^2/NDF:27.9/21

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2158.463+/-429.463 χ^2/NDF:23.0/19

Left: 1540.266+/-300.403 χ^2/NDF: 55.0/41

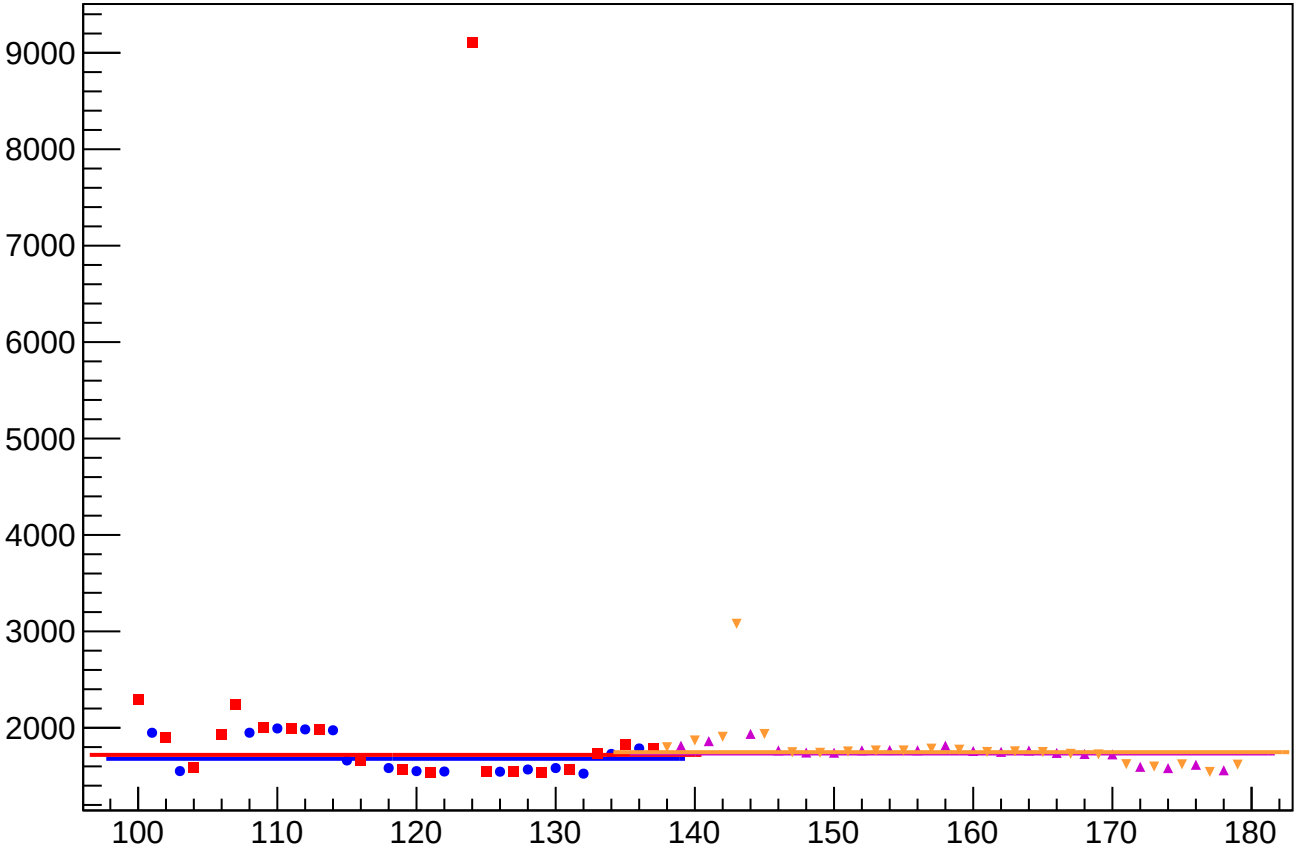
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2087.197+/-354.475 χ^2/NDF:34.0/35

Out: 1142.226+/-351.709 χ^2/NDF:48.0/40

All: 1611.011+/-249.668 χ^2/NDF: 85.6/76

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1747.413+/-0.297 χ^2/NDF:409085.6/21

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1733.619+/-0.304 χ^2/NDF:93252.3/19

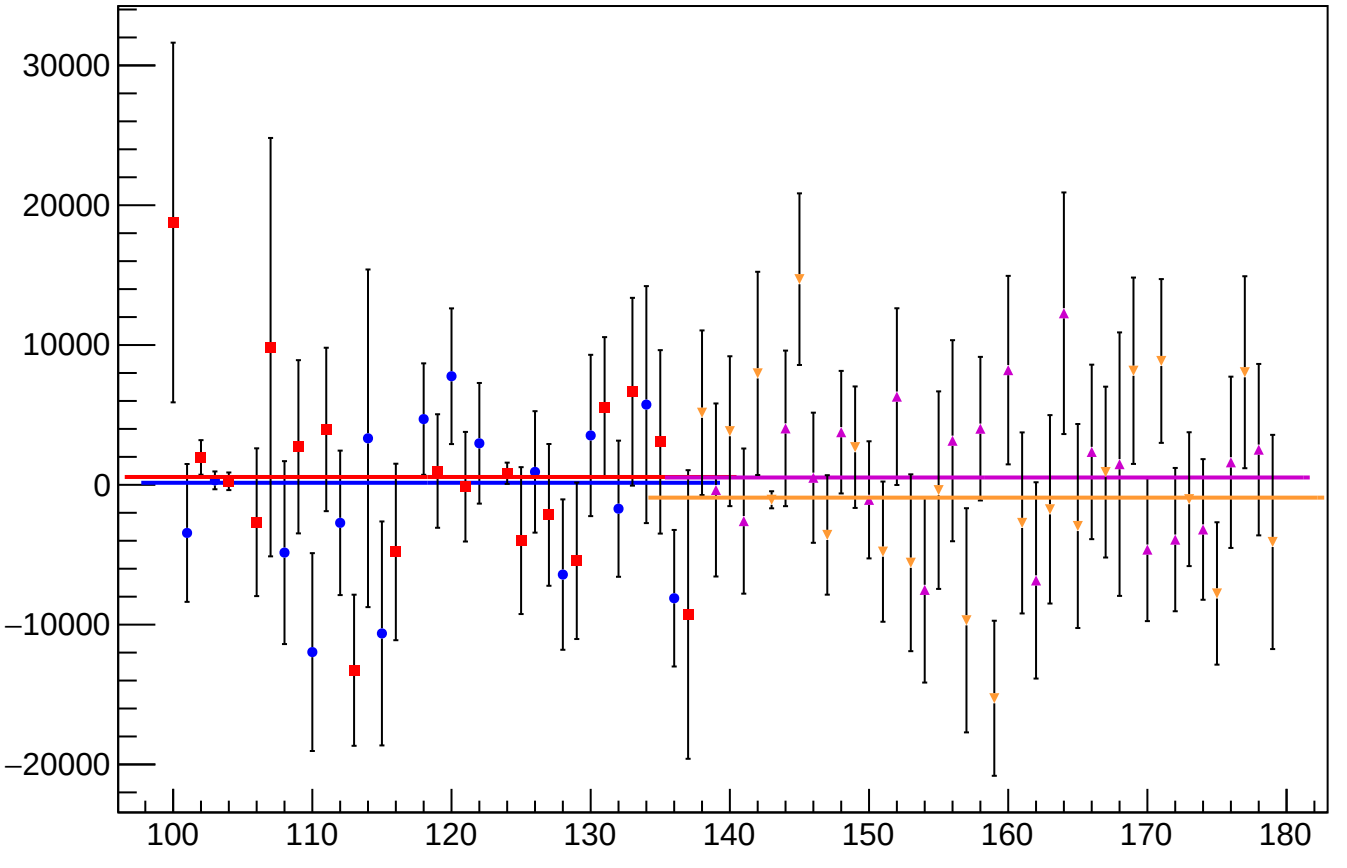
Left: 1740.664+/-0.212 χ^2/NDF: 503391.5/41

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1716.065+/-0.251 χ^2/NDF:245219.3/35

Out: 1738.884+/-0.248 χ^2/NDF:796736.4/40

All: 1727.578+/-0.176 χ^2/NDF: 1046137.7/76



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -915.860+/-550.692 χ^2/NDF:28.6/21

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 524.991+/-1272.644 χ^2/NDF:11.2/19

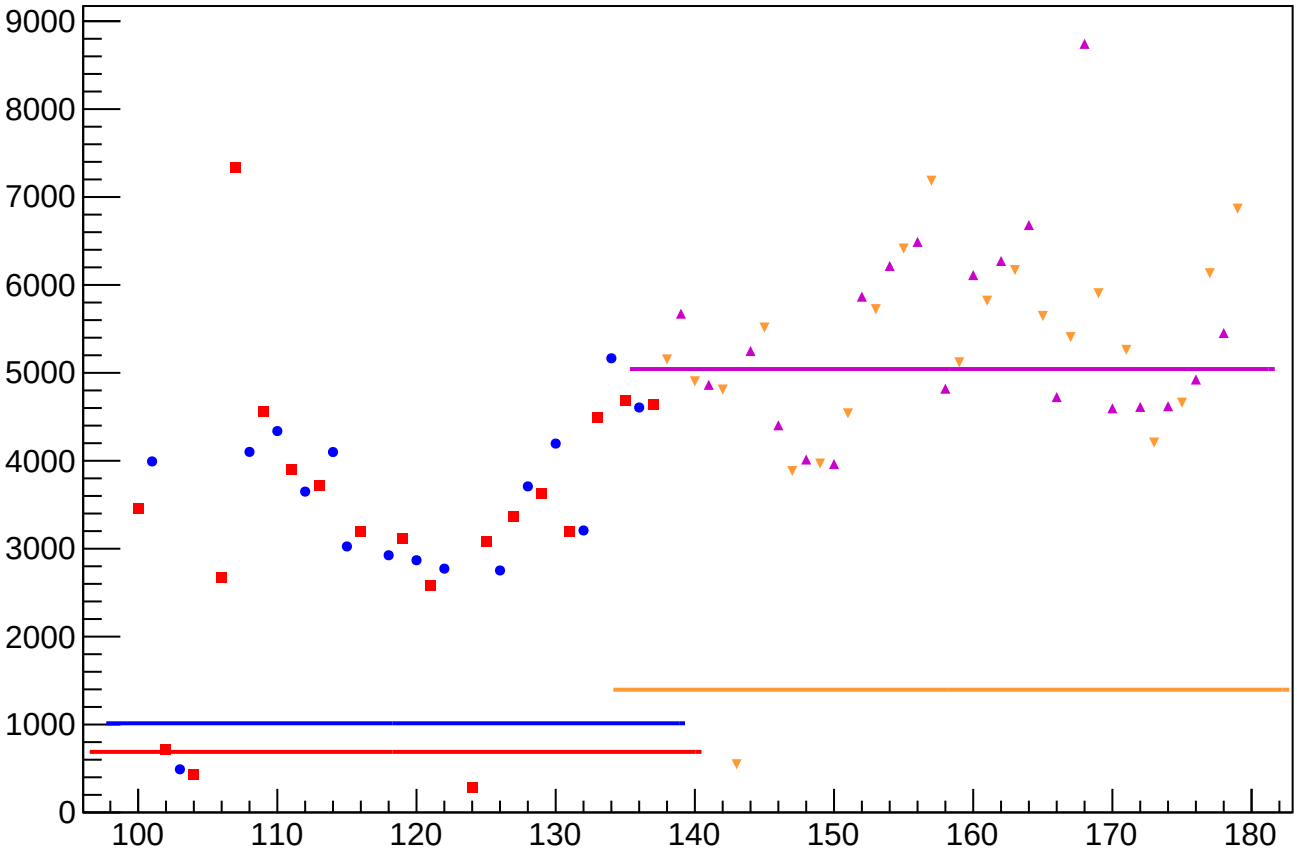
Left: -688.621+/-505.404 χ^2/NDF: 40.8/41

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 211.514+/-527.289 χ^2/NDF:27.1/35

Out: 0.891+/-339.223 χ^2/NDF:50.3/40

All: 62.545+/-285.285 χ^2/NDF: 77.4/76



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1396.054+/-0.389 χ^2/NDF:21673468.9/21

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

Left: 1971.303+/-0.357 χ^2/NDF: 36549049.5/41

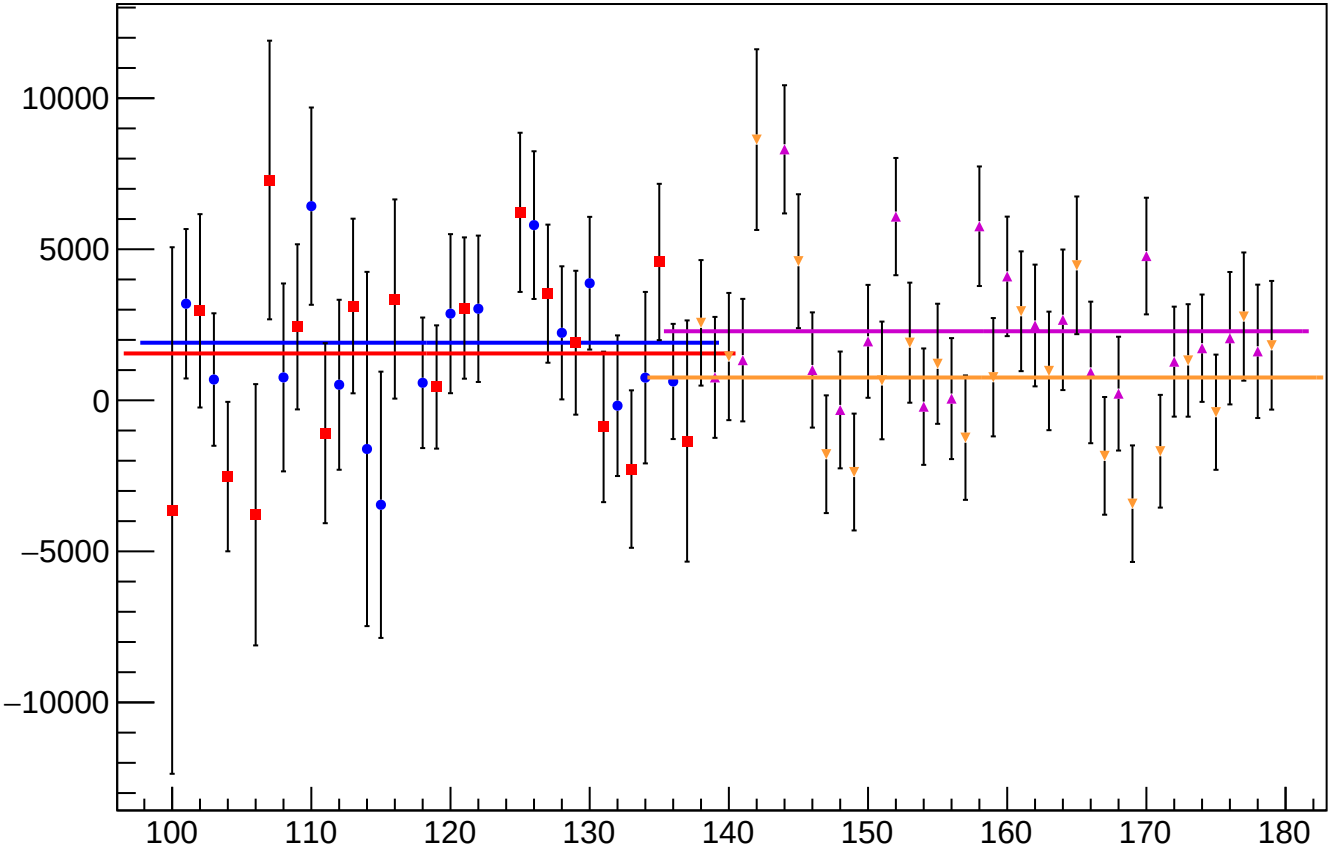
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1705.809+/-0.373 χ^2/NDF:25868690.8/35

Out: 957.324+/-0.240 χ^2/NDF:32629470.7/40

All: 1176.424+/-0.202 χ^2/NDF: 61348439.0/7

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 755.253+/-442.709 χ^2/NDF:30.1/20

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2285.602+/-445.679 χ^2/NDF:25.6/19

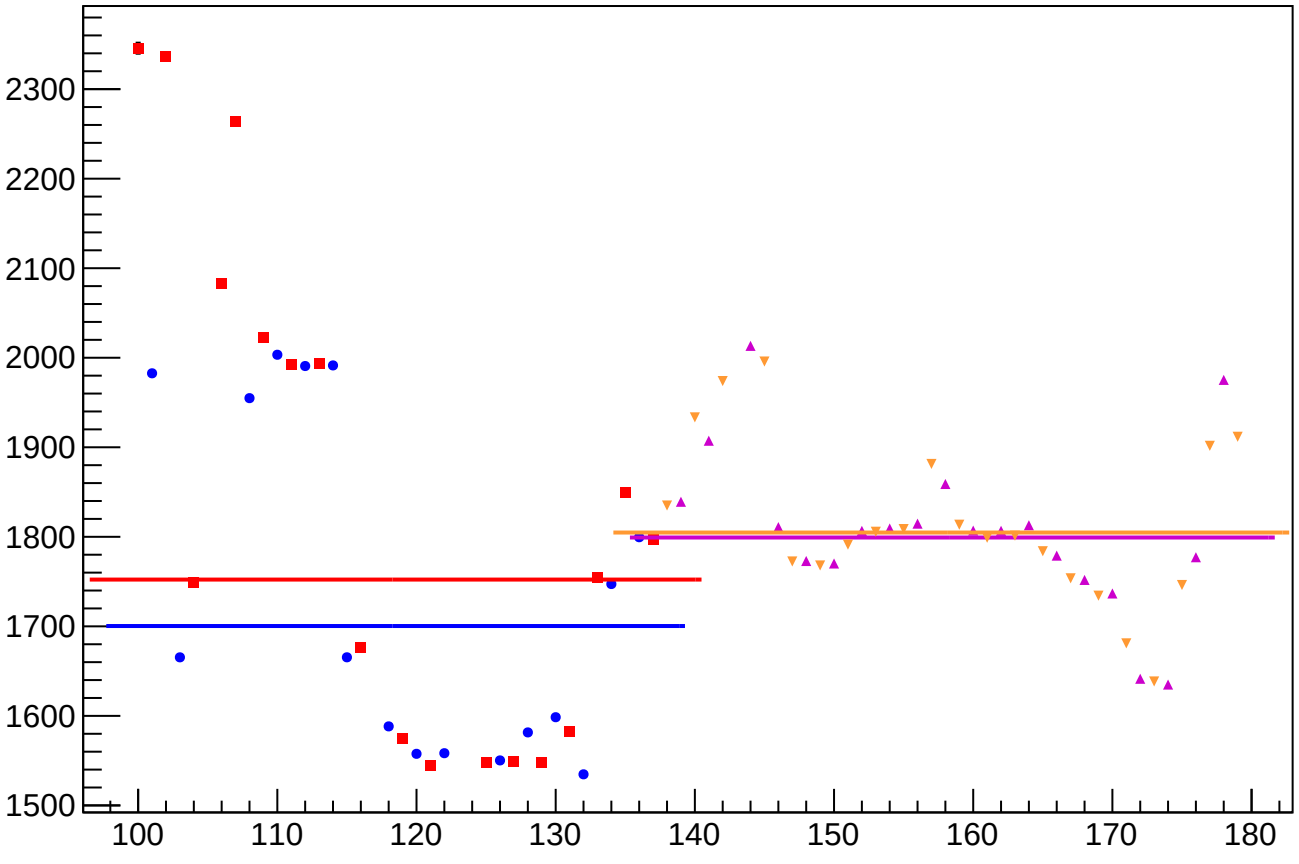
Left: 1515.311+/-314.087 χ^2/NDF: 61.6/40

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2160.768+/-365.067 χ^2/NDF:36.0/35

Out: 1001.636+/-367.840 χ^2/NDF:48.6/38

All: 1585.587+/-259.116 χ^2/NDF: 89.6/74



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1804.783+/-0.313 χ^2/NDF:73436.7/20

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1799.210+/-0.315 χ^2/NDF:78463.5/19

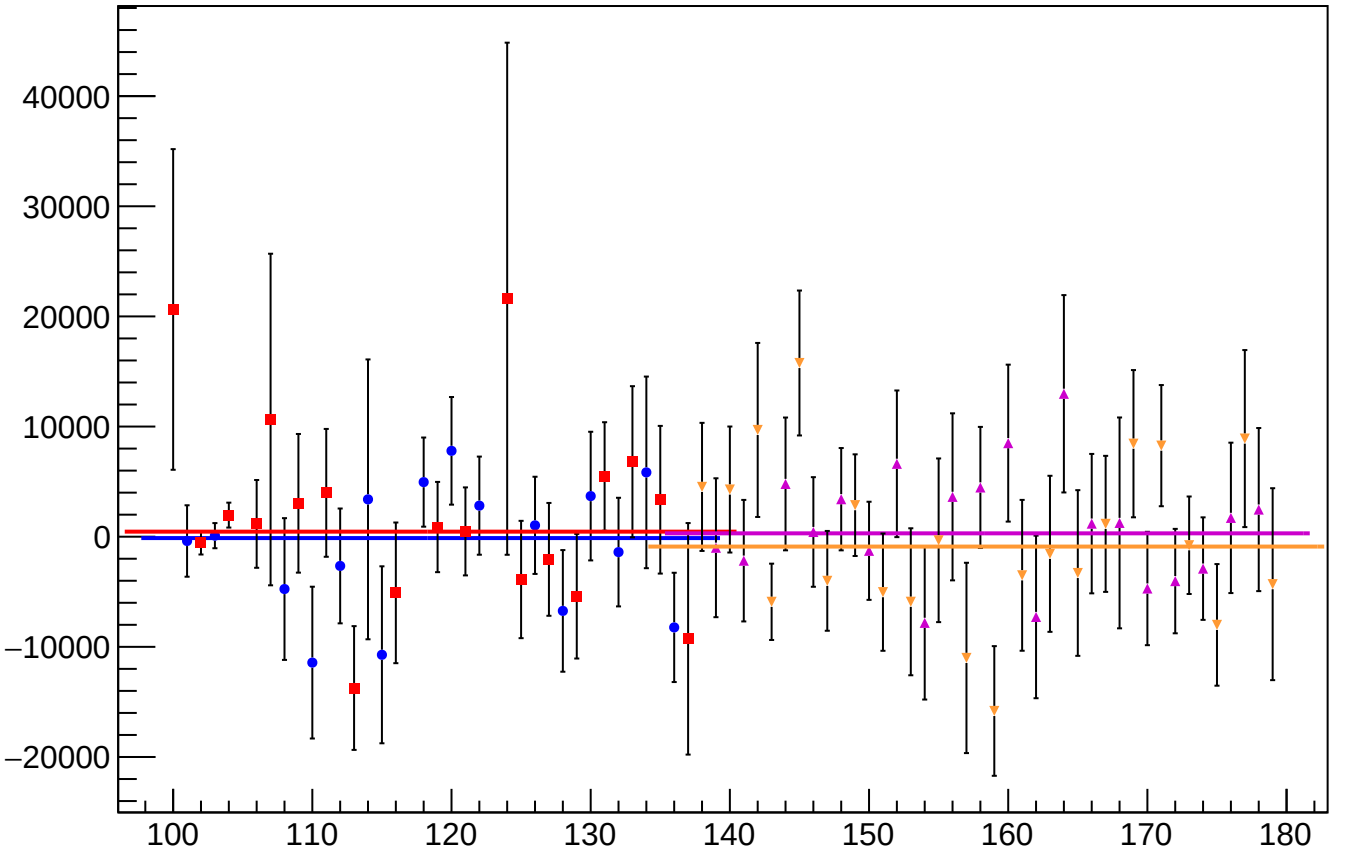
Left: 1802.015+/-0.222 χ^2/NDF: 152057.5/40

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1766.684+/-0.258 χ^2/NDF:246257.4/35

Out: 1788.463+/-0.260 χ^2/NDF:330140.5/38

All: 1777.499+/-0.183 χ^2/NDF: 579932.3/74



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -896.052+/-1240.817 χ^2/NDF:30.5/21

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 305.209+/-1323.524 χ^2/NDF:11.2/19

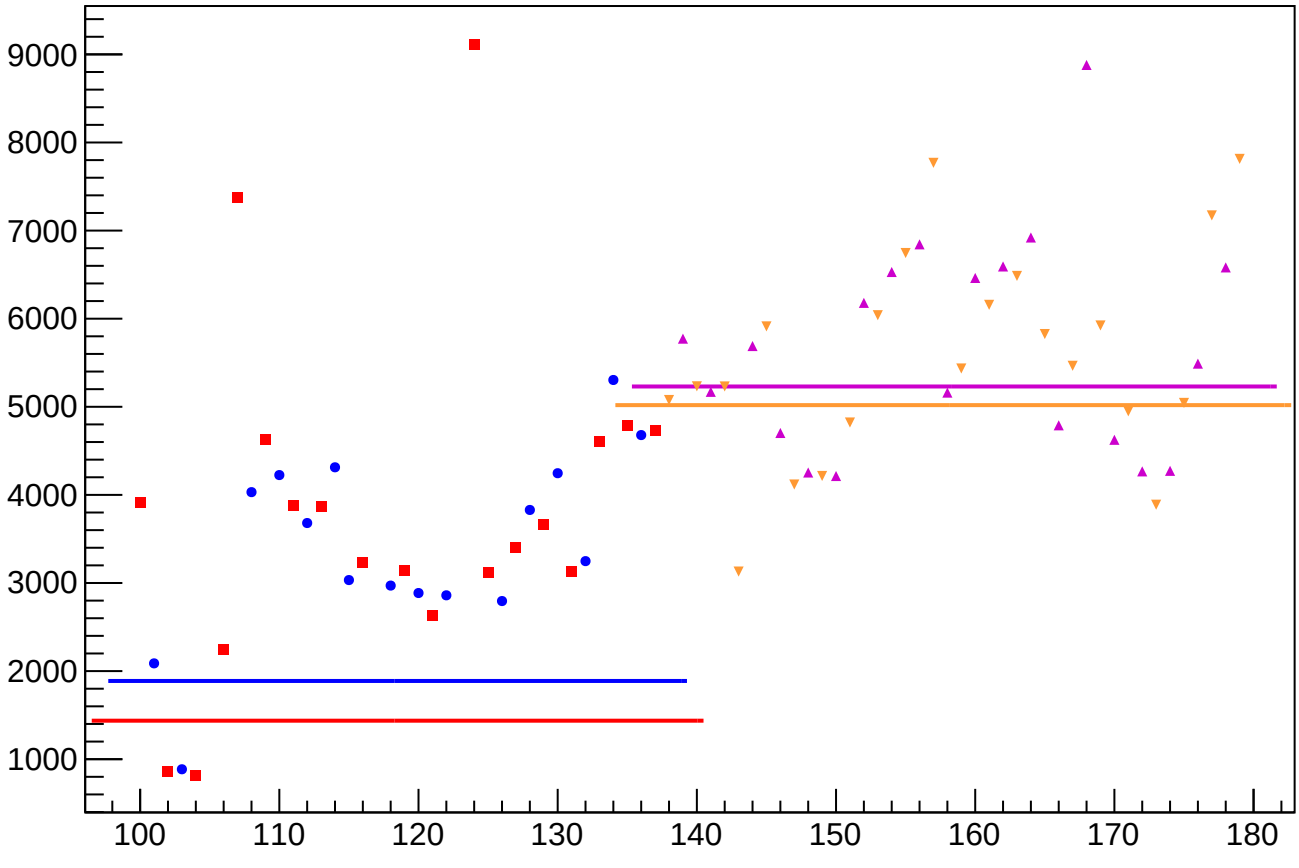
Left: -334.125+/-905.218 χ^2/NDF: 42.1/41

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 3.985+/-725.624 χ^2/NDF:26.3/35

Out: 146.958+/-595.754 χ^2/NDF:49.9/40

All: 89.389+/-460.446 χ^2/NDF: 76.3/76



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 5018.874+/-0.877 χ^2/NDF:1837456.8/21

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5230.472+/-0.936 χ^2/NDF:1206997.1/19

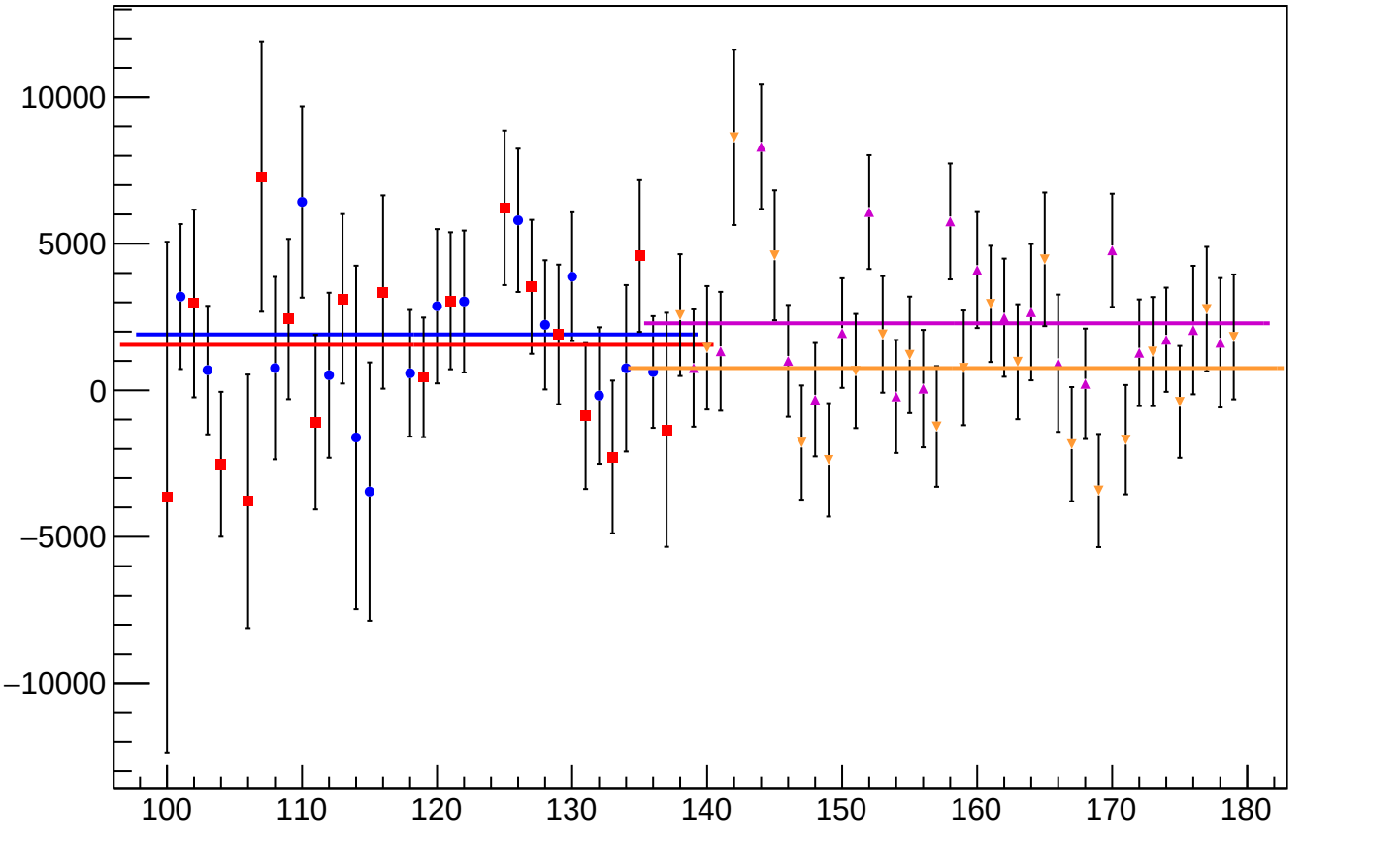
Left: 5117.855+/-0.640 χ^2/NDF: 3071660.8/41

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2892.677+/-0.513 χ^2/NDF:14554244.7/35

Out: 2262.796+/-0.421 χ^2/NDF:20625053.2/40

All: 2516.422+/-0.326 χ^2/NDF: 36079514.6/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 755.249+/-442.709 χ^2/NDF:30.1/20

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2285.604+/-445.679 χ^2/NDF:25.6/19

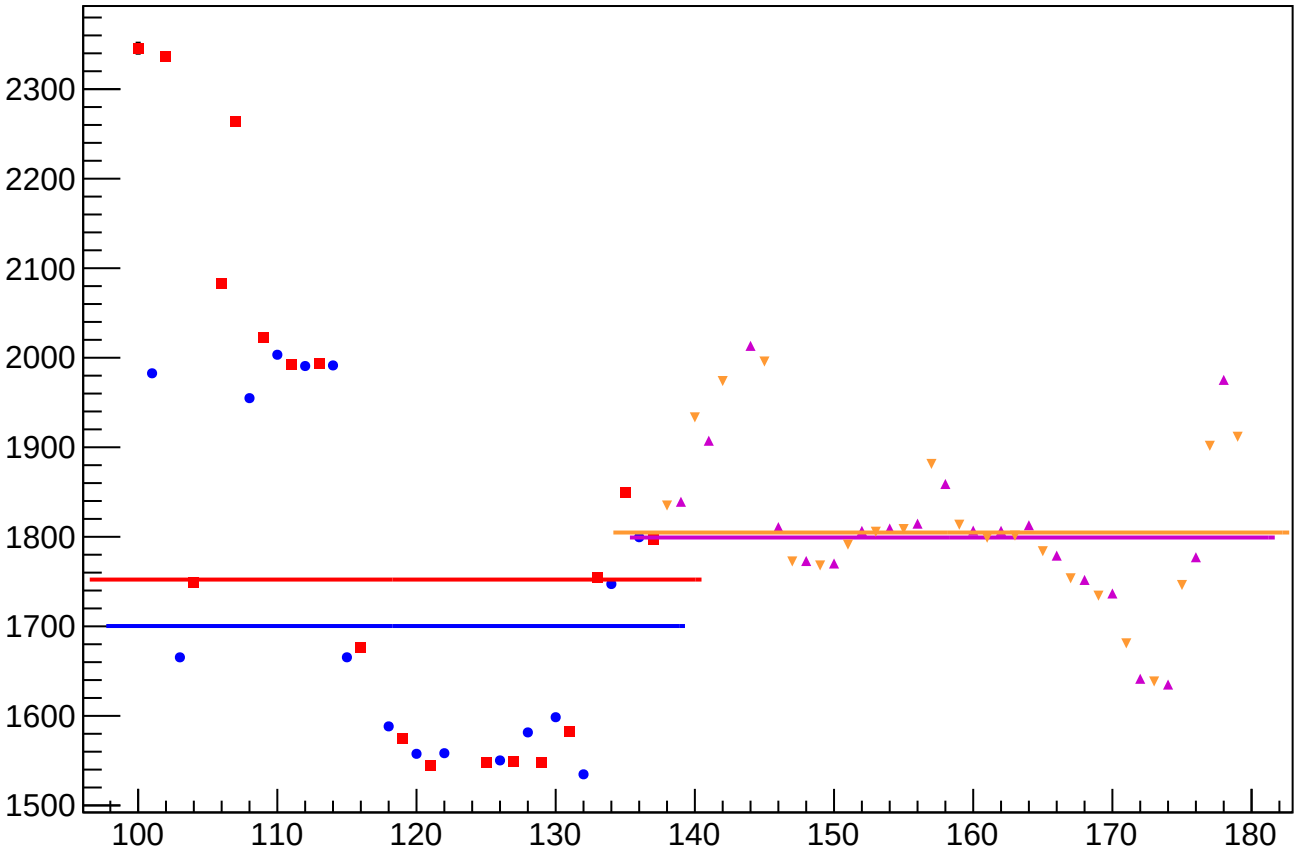
Left: 1515.310+/-314.087 χ^2/NDF: 61.6/40

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2160.768+/-365.067 χ^2/NDF:36.0/35

Out: 1001.633+/-367.840 χ^2/NDF:48.6/38

All: 1585.586+/-259.116 χ^2/NDF: 89.6/74



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1804.784+/-0.313 χ^2/NDF:73440.4/20

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1799.211+/-0.315 χ^2/NDF:78466.7/19

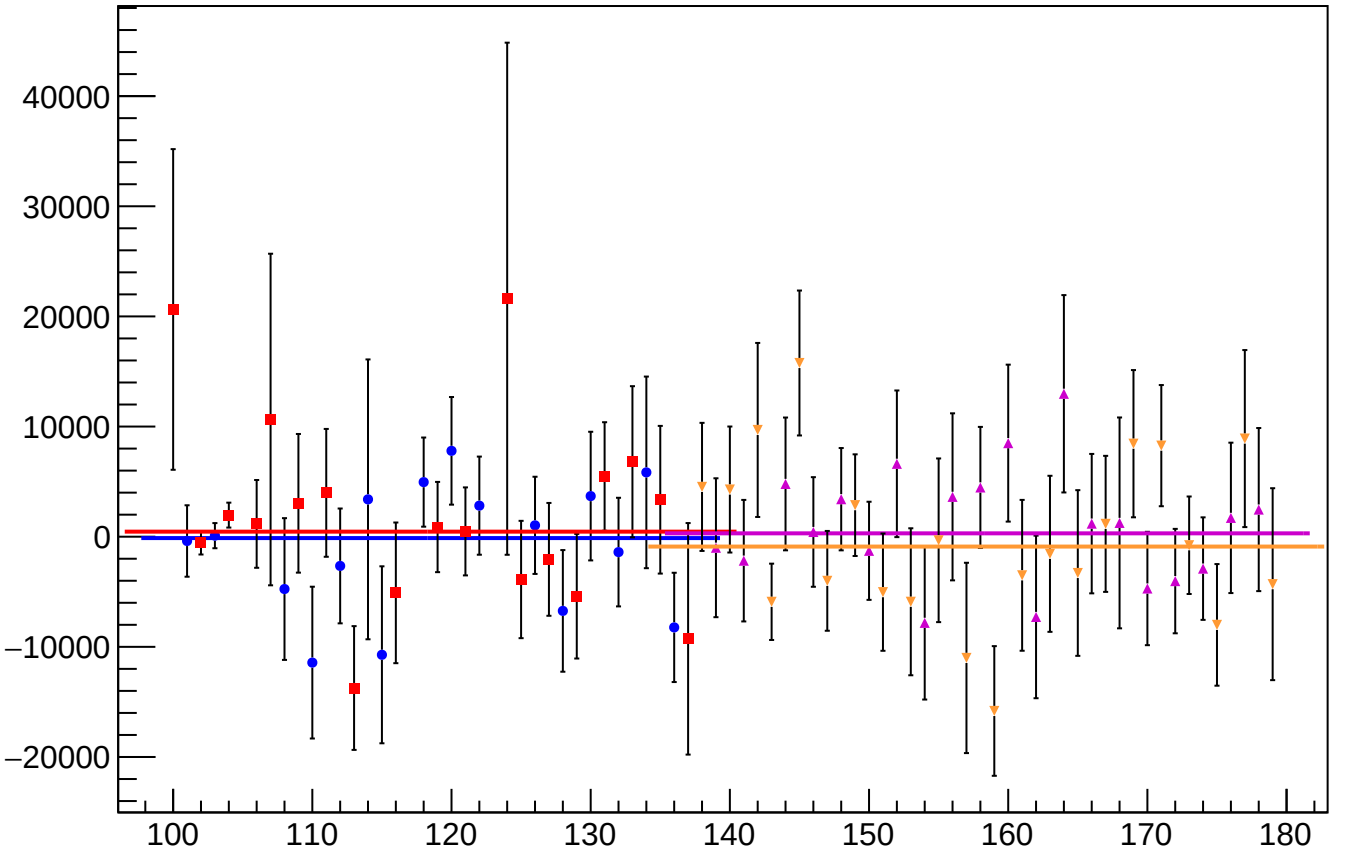
Left: 1802.016+/-0.222 χ^2/NDF: 152064.5/40

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1766.685+/-0.258 χ^2/NDF:246261.7/35

Out: 1788.463+/-0.260 χ^2/NDF:330144.3/38

All: 1777.499+/-0.183 χ^2/NDF: 579940.4/74



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -896.058+/-1240.819 χ^2/NDF:30.5/21

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 305.210+/-1323.526 χ^2/NDF:11.2/19

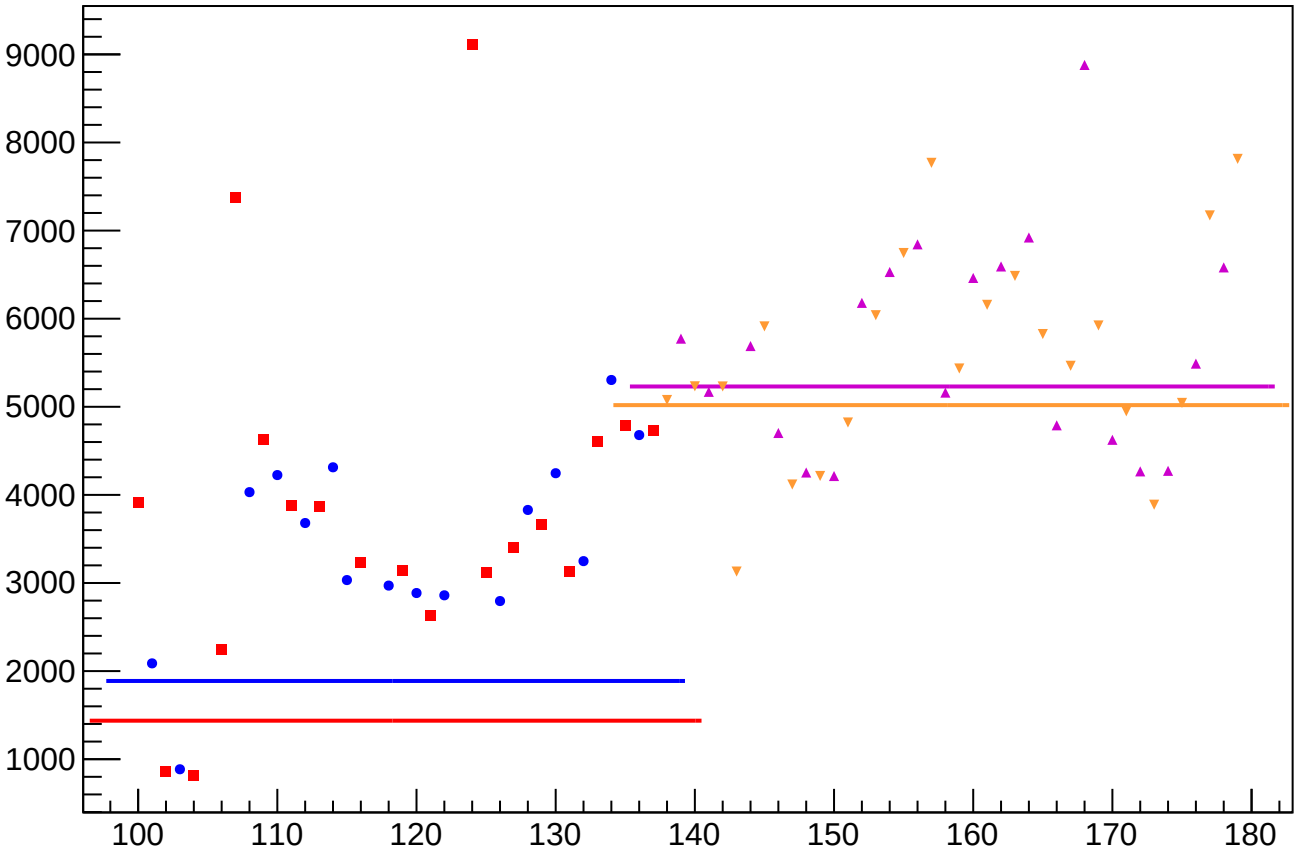
Left: -334.128+/-905.219 χ^2/NDF: 42.1/41

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 3.987+/-725.621 χ^2/NDF:26.3/35

Out: 146.960+/-595.751 χ^2/NDF:49.9/40

All: 89.391+/-460.444 χ^2/NDF: 76.3/76



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 5018.882+/-0.877 χ^2/NDF:1837463.6/21

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5230.481+/-0.936 χ^2/NDF:1206998.0/19

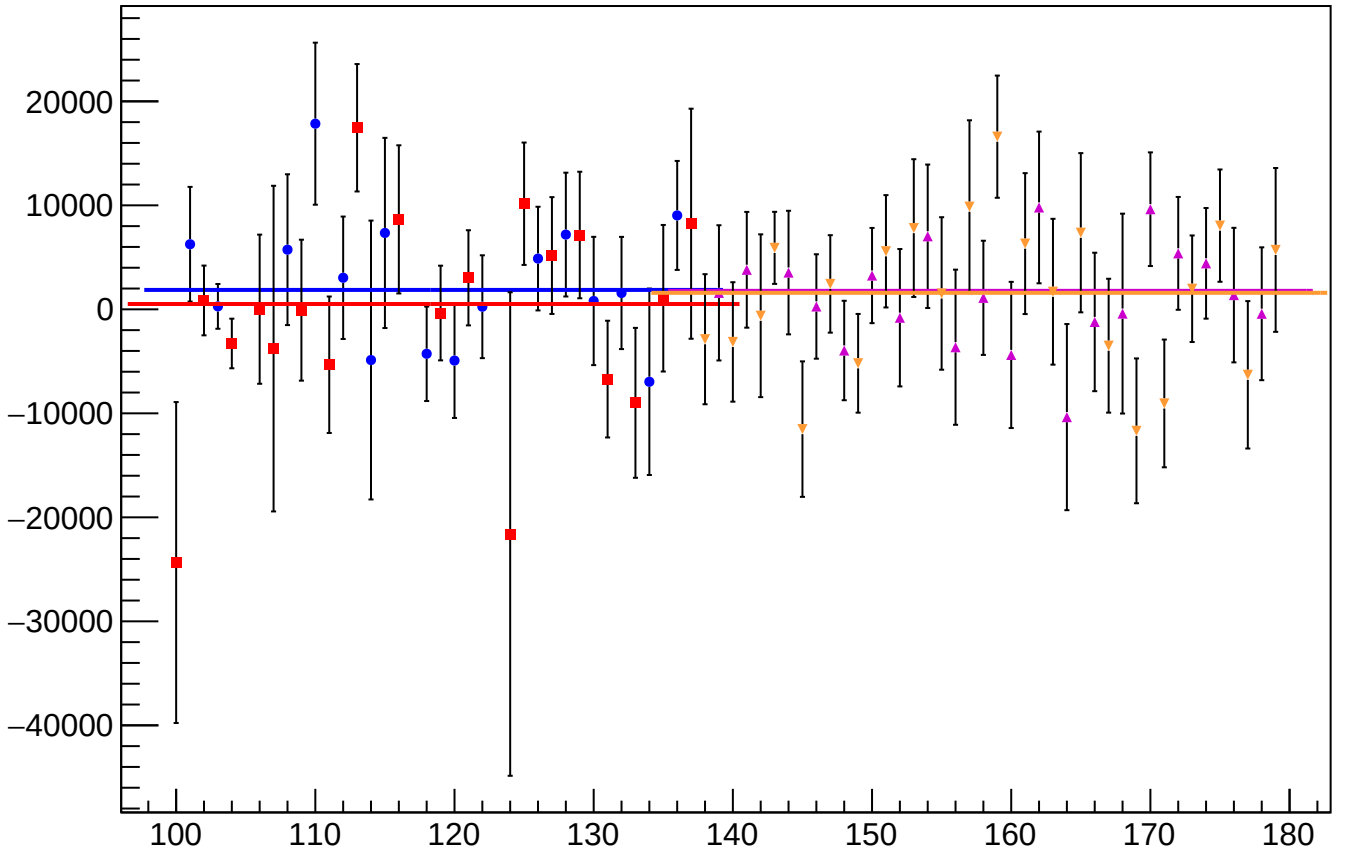
Left: 5117.863+/-0.640 χ^2/NDF: 3071668.7/41

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2892.656+/-0.513 χ^2/NDF:14554431.1/35

Out: 2262.776+/-0.421 χ^2/NDF:20625257.6/40

All: 2516.401+/-0.326 χ^2/NDF: 36079913.0/7



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1588.445+/-1262.826 χ^2/NDF:29.2/21

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1777.366+/-1352.538 χ^2/NDF:10.1/19

Left: 1676.432+/-923.040 χ^2/NDF: 39.2/41

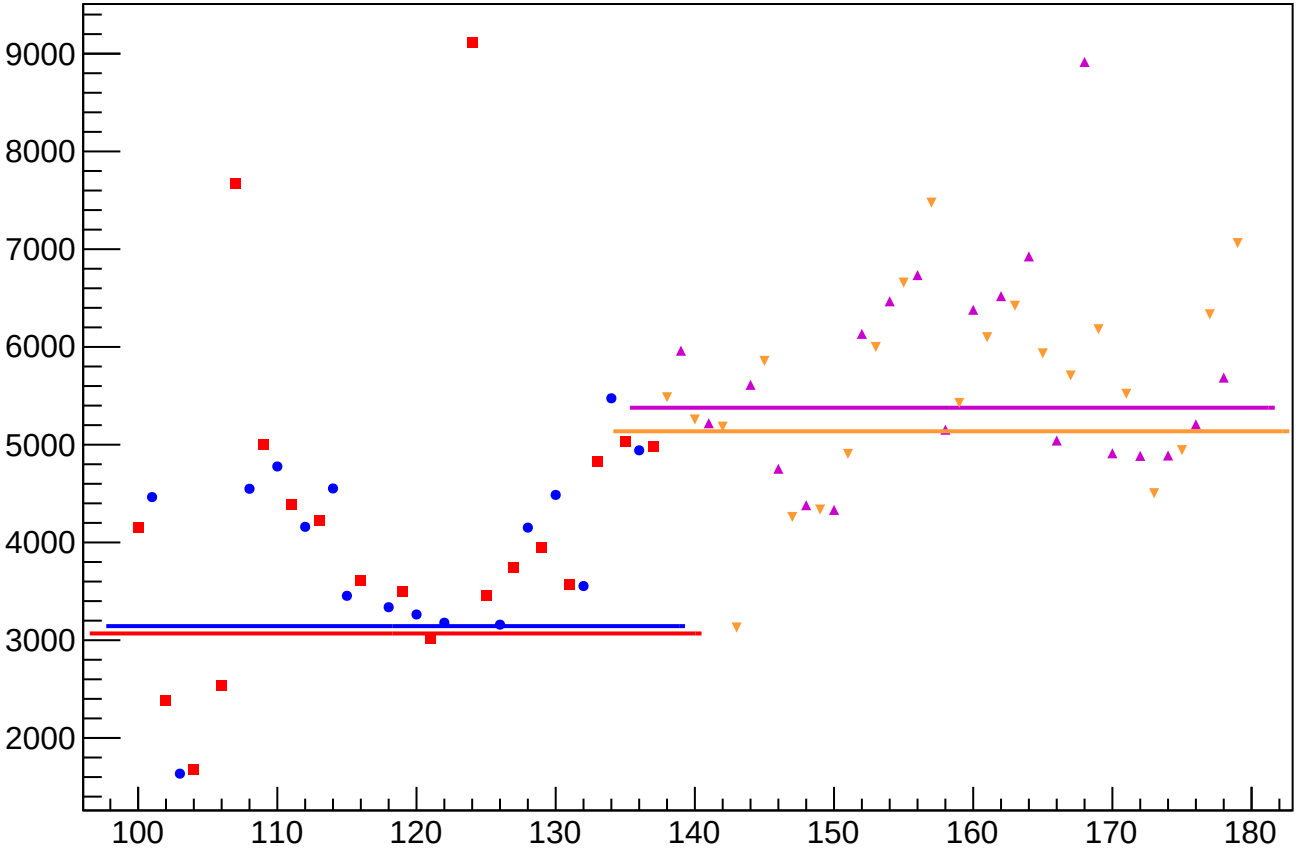
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1825.178+/-921.616 χ^2/NDF:23.9/35

Out: 1041.331+/-885.322 χ^2/NDF:54.2/40

All: 1417.516+/-638.462 χ^2/NDF: 78.5/76

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5137.264+/-0.893 χ^2/NDF:1524174.1/21

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5378.139+/-0.956 χ^2/NDF:868102.2/19

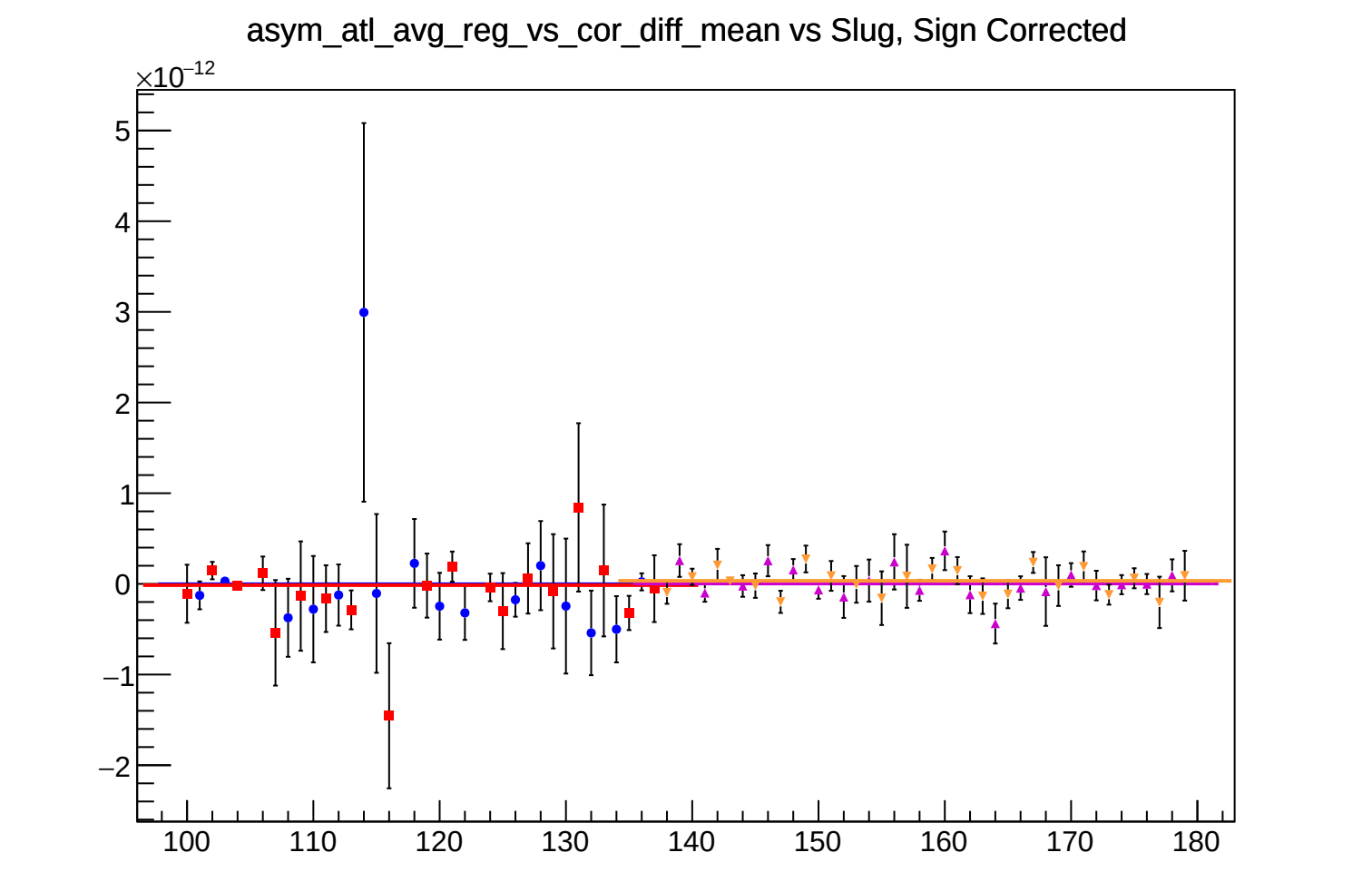
Left: 5249.449+/-0.653 χ^2/NDF: 2426166.1/41

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4181.388+/-0.652 χ^2/NDF:5674175.4/35

Out: 4069.353+/-0.621 χ^2/NDF:6175714.7/40

All: 4122.671+/-0.450 χ^2/NDF: 11865380.1/7



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/19

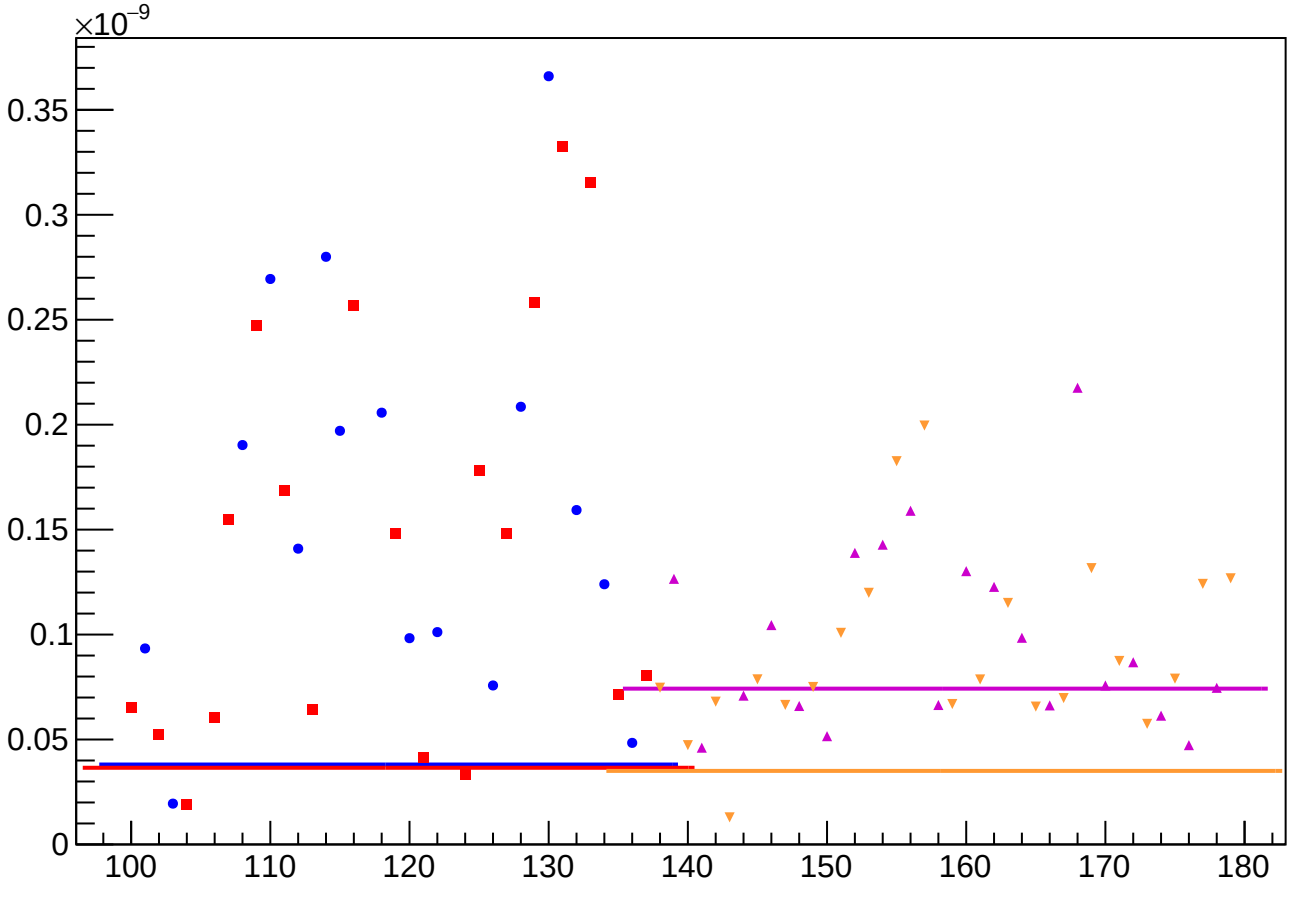
Left: 0.000+/-0.000 χ^2/NDF: 37.2/41

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:27.9/35

Out: 0.000+/-0.000 χ^2/NDF:35.9/40

All: 0.000+/-0.000 χ^2/NDF: 64.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6500047.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1741338.2/19

Left: 0.000+/-0.000 χ^2/NDF: 10455879.9/41

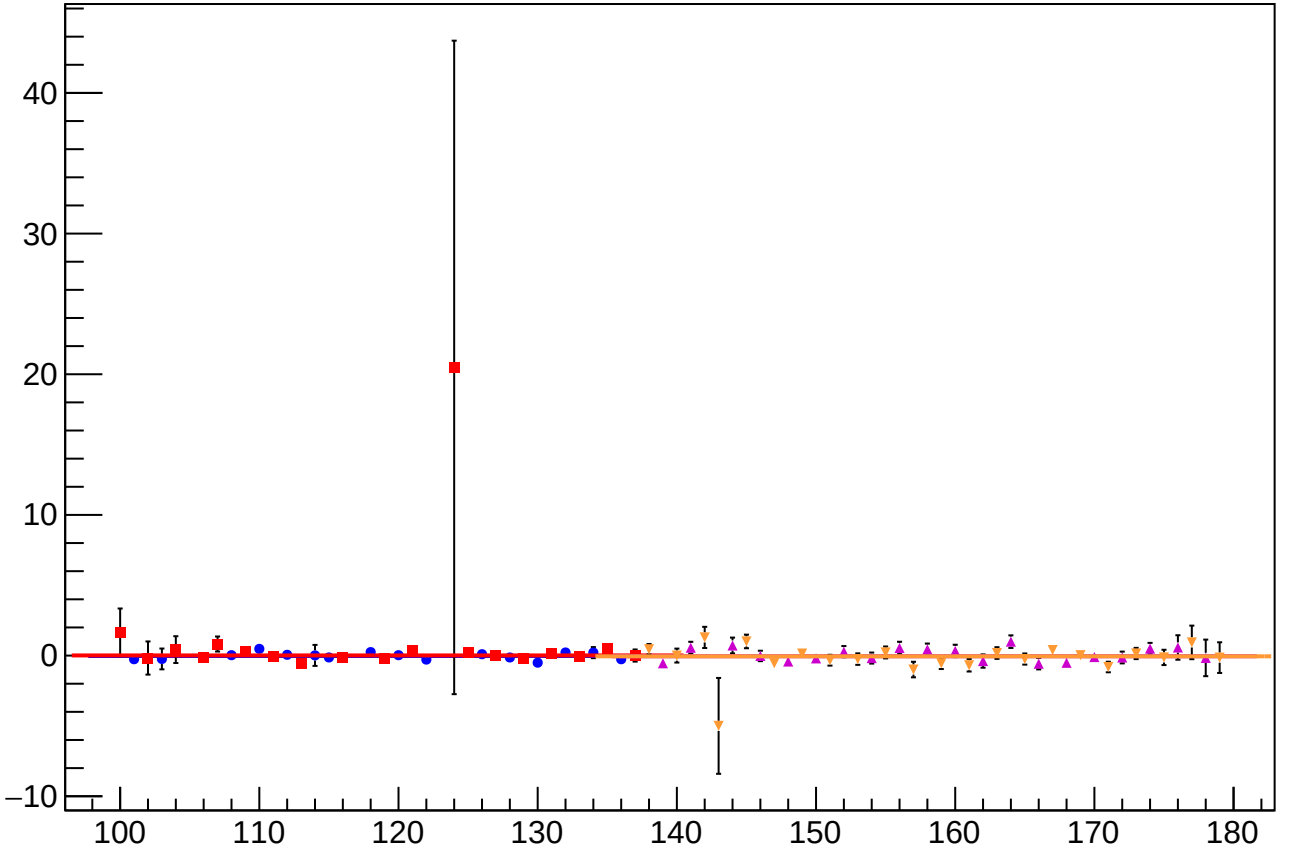
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5826108.1/35

Out: 0.000+/-0.000 χ^2/NDF:9186633.3/40

All: 0.000+/-0.000 χ^2/NDF: 16180751.0/76

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.046+/-0.084 χ^2/NDF:26.3/19

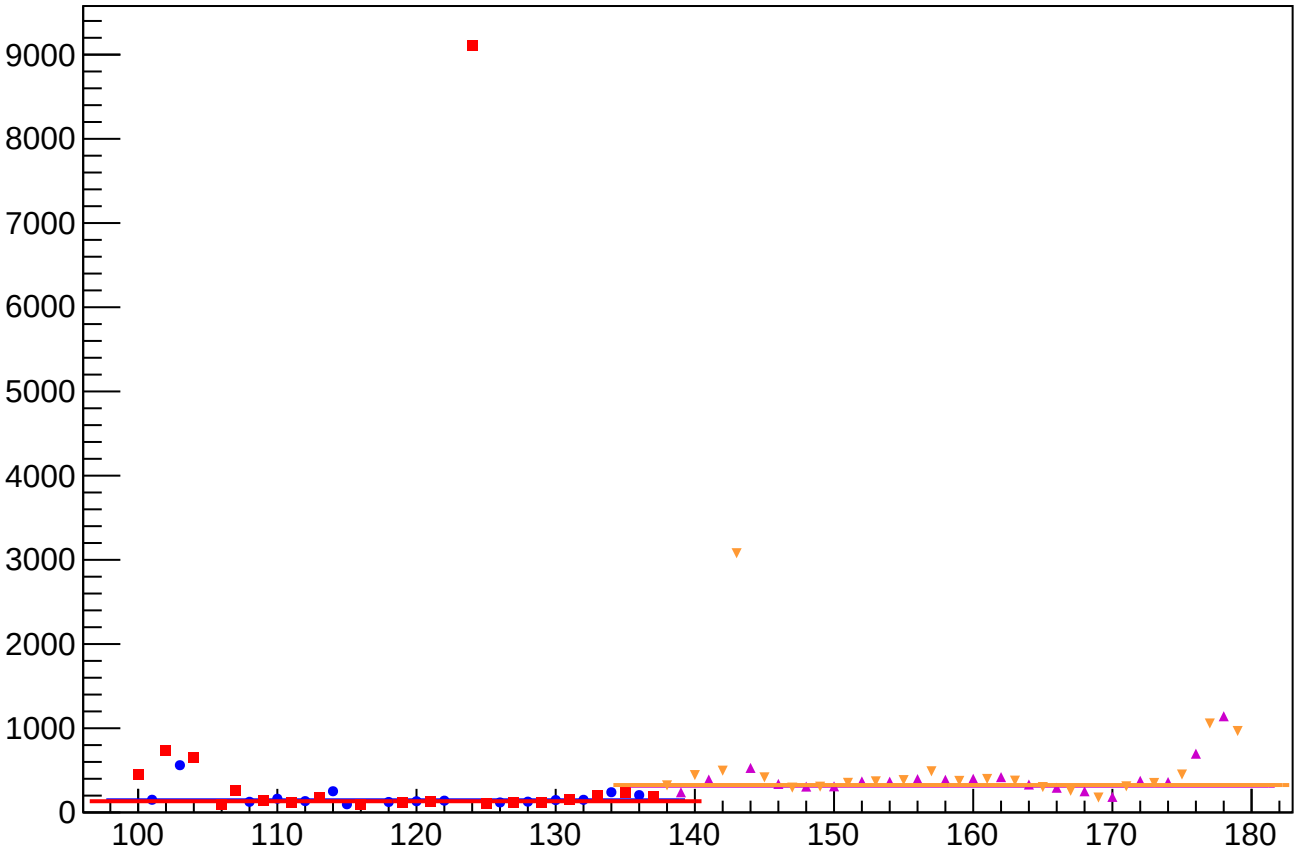
Left: -0.049+/-0.060 χ^2/NDF: 56.5/41

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.021+/-0.034 χ^2/NDF: 96.1/76



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 325.519+/-0.061 χ^2/NDF:4762227.7/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 317.601+/-0.059 χ^2/NDF:3039934.4/19

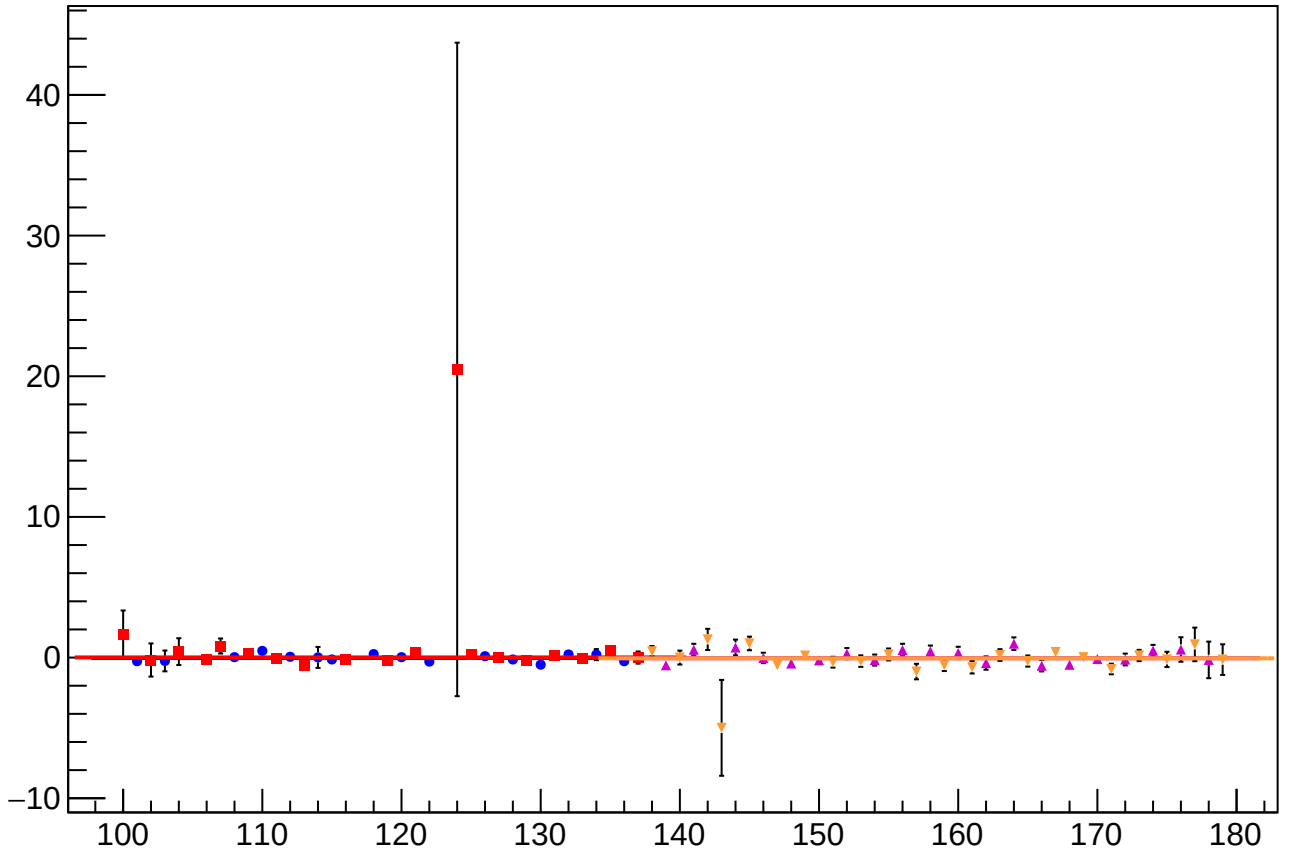
Left: 321.476+/-0.042 χ^2/NDF: 7810849.1/41

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 199.977+/-0.034 χ^2/NDF:9940881.1/35

Out: 191.378+/-0.033 χ^2/NDF:13981571.5/40

All: 195.638+/-0.024 χ^2/NDF: 23955330.7/76



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.046+/-0.084 χ^2/NDF:26.3/19

Left: -0.049+/-0.060 χ^2/NDF: 56.5/41

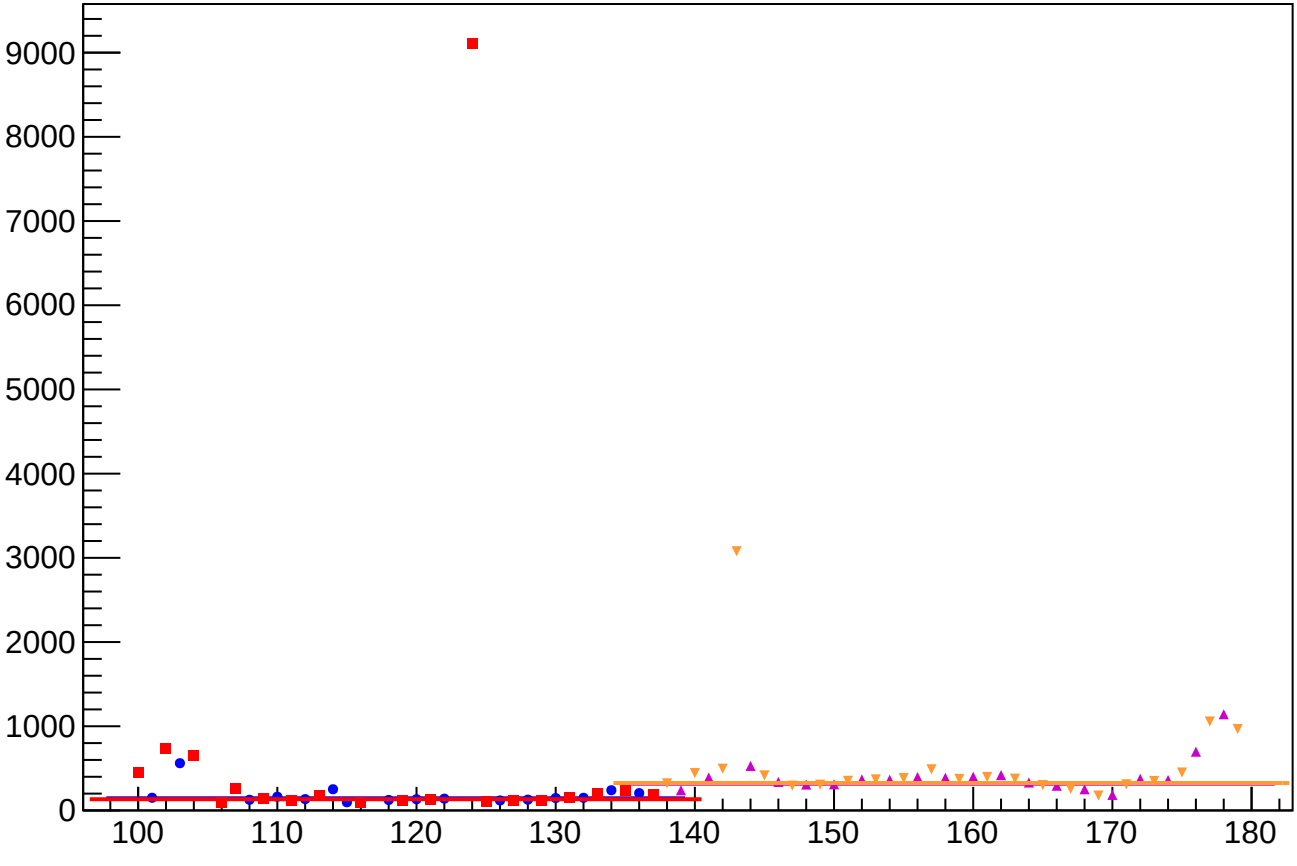
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.021+/-0.034 χ^2/NDF: 96.1/76

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 325.519+/-0.061 χ^2/NDF:4762227.7/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 317.601+/-0.059 χ^2/NDF:3039934.4/19

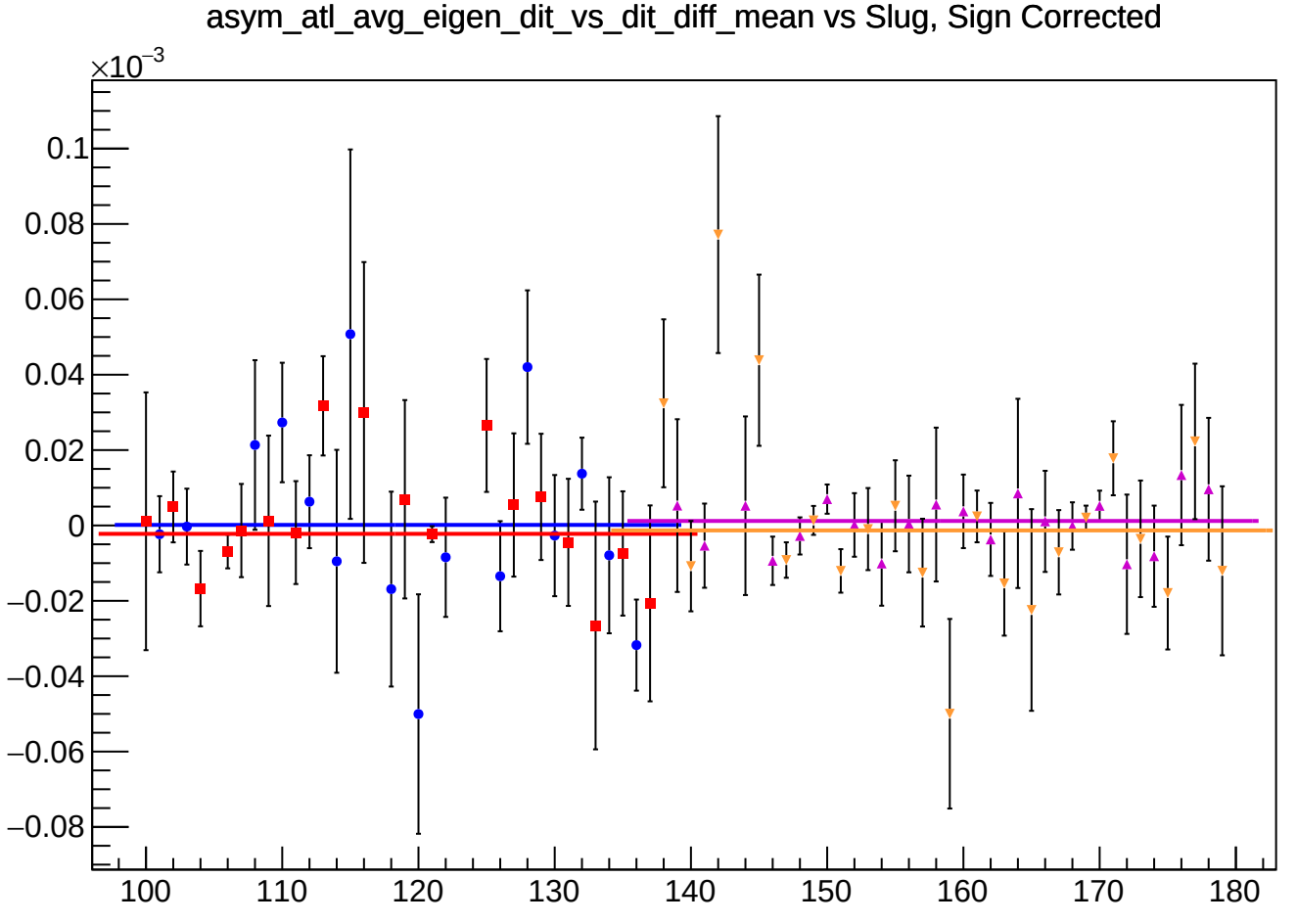
Left: 321.476+/-0.042 χ^2/NDF: 7810849.1/41

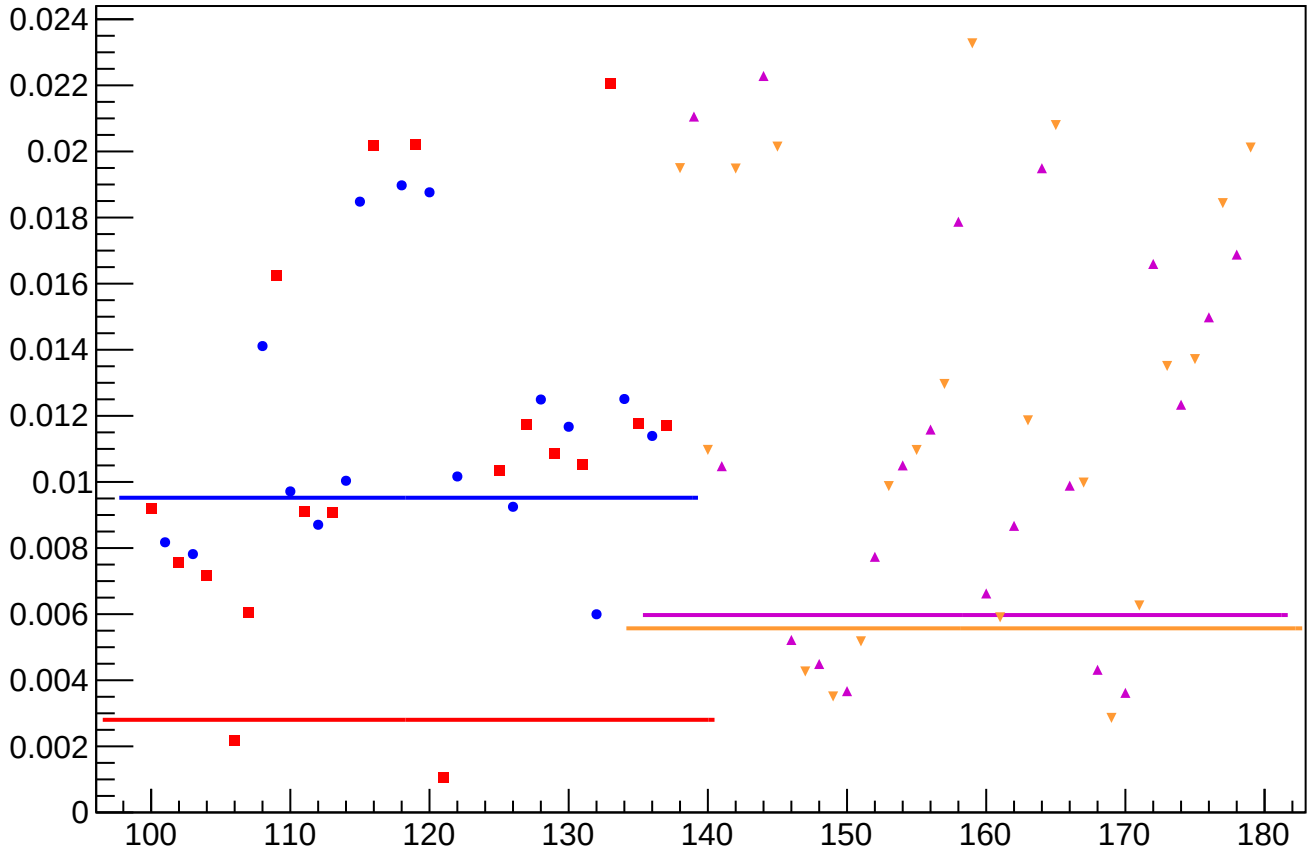
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 199.977+/-0.034 χ^2/NDF:9940881.1/35

Out: 191.378+/-0.033 χ^2/NDF:13981571.5/40

All: 195.638+/-0.024 χ^2/NDF: 23955330.7/76


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:34.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:10.0/19
Left: -0.000+/-0.000 χ²/NDF: 45.5/40
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:32.9/35
Out: -0.000+/-0.000 χ²/NDF:50.2/38
All: -0.000+/-0.000 χ²/NDF: 84.9/74



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:10947965.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:8505968.3/19

Left: 0.006+/-0.000 χ^2/NDF: 19505390.3/40

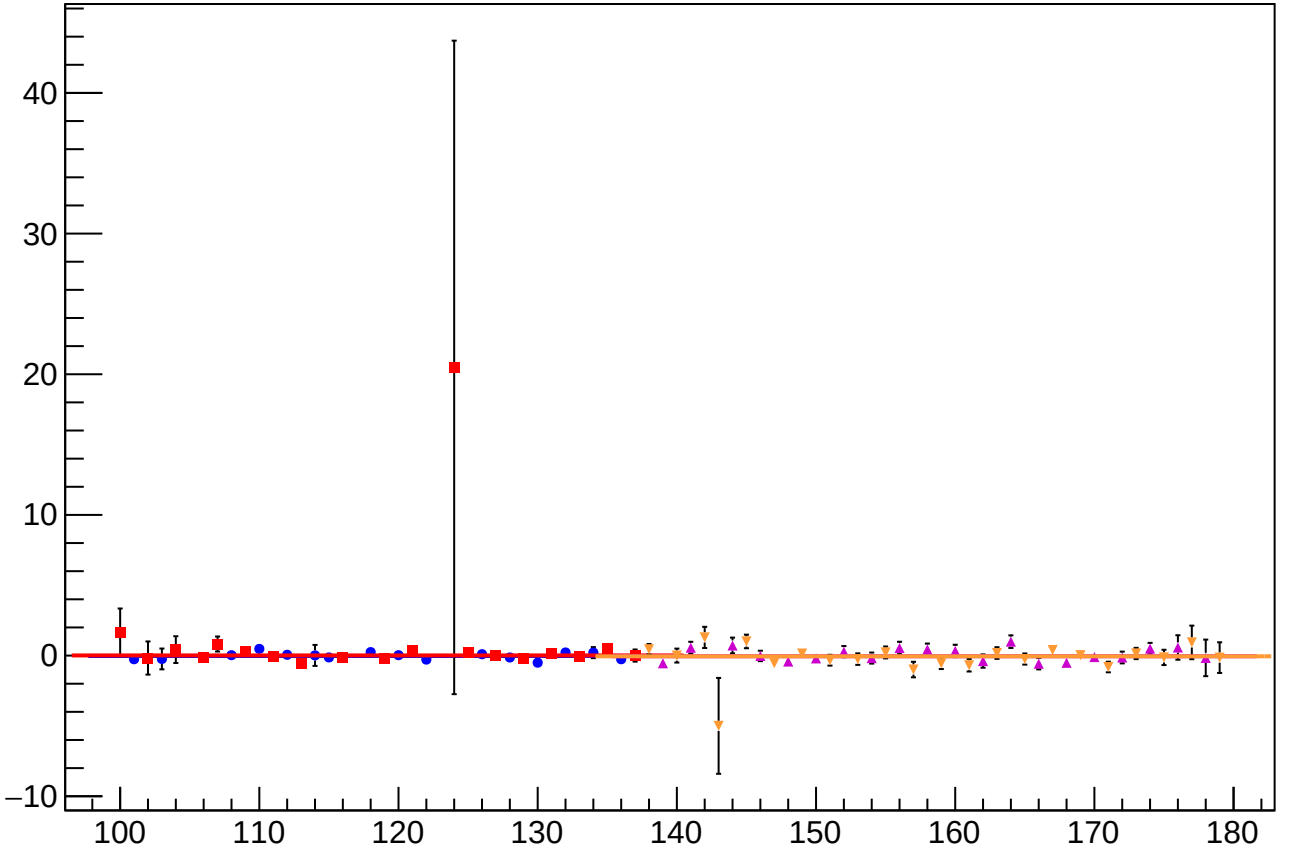
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:11093869.3/35

Out: 0.004+/-0.000 χ^2/NDF:22092449.8/38

All: 0.005+/-0.000 χ^2/NDF: 36120762.3/74

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.046+/-0.084 χ^2/NDF:26.3/19

Left: -0.049+/-0.060 χ^2/NDF: 56.5/41

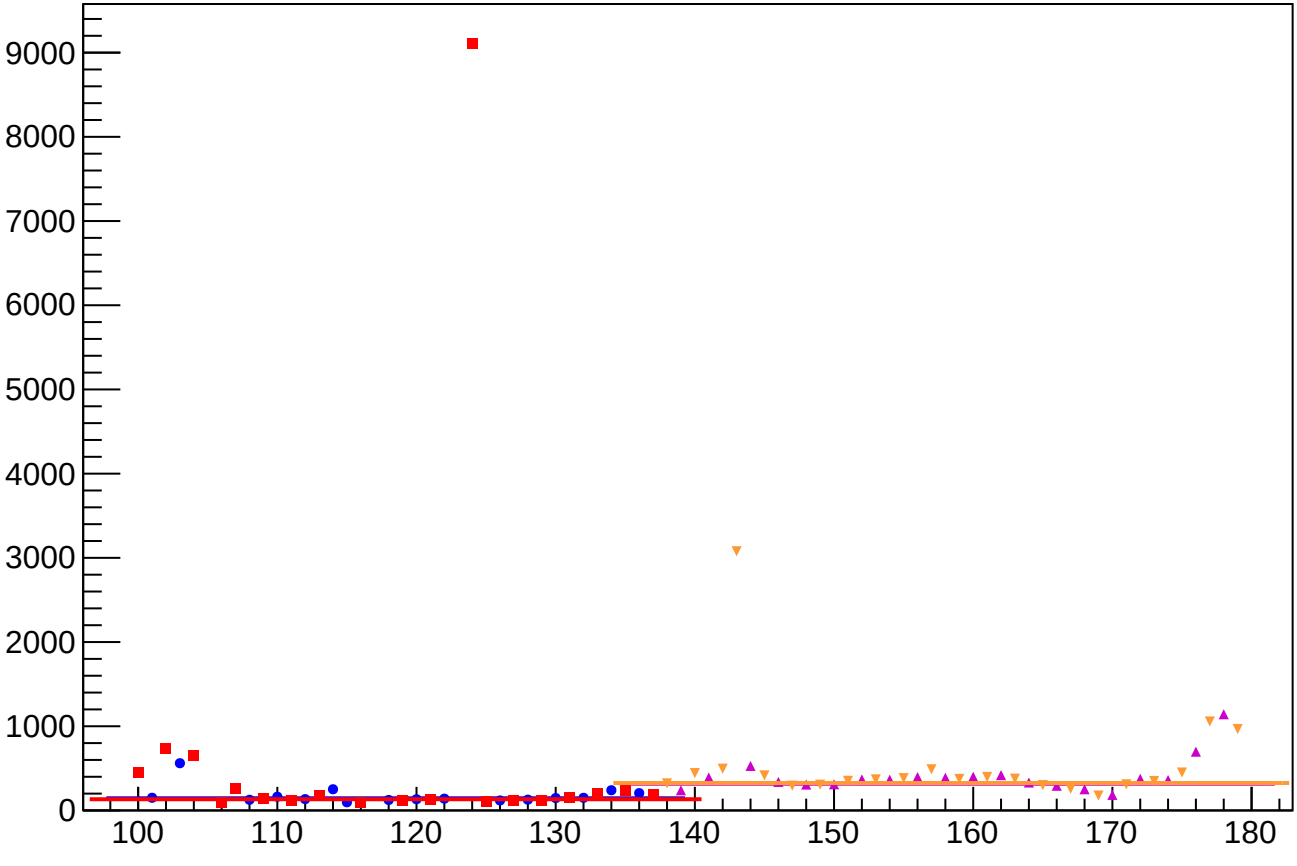
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.021+/-0.034 χ^2/NDF: 96.1/76

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 325.521+/-0.061 χ^2/NDF:4762293.6/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 317.604+/-0.059 χ^2/NDF:3039936.9/19

Left: 321.479+/-0.042 χ^2/NDF: 7810915.6/41

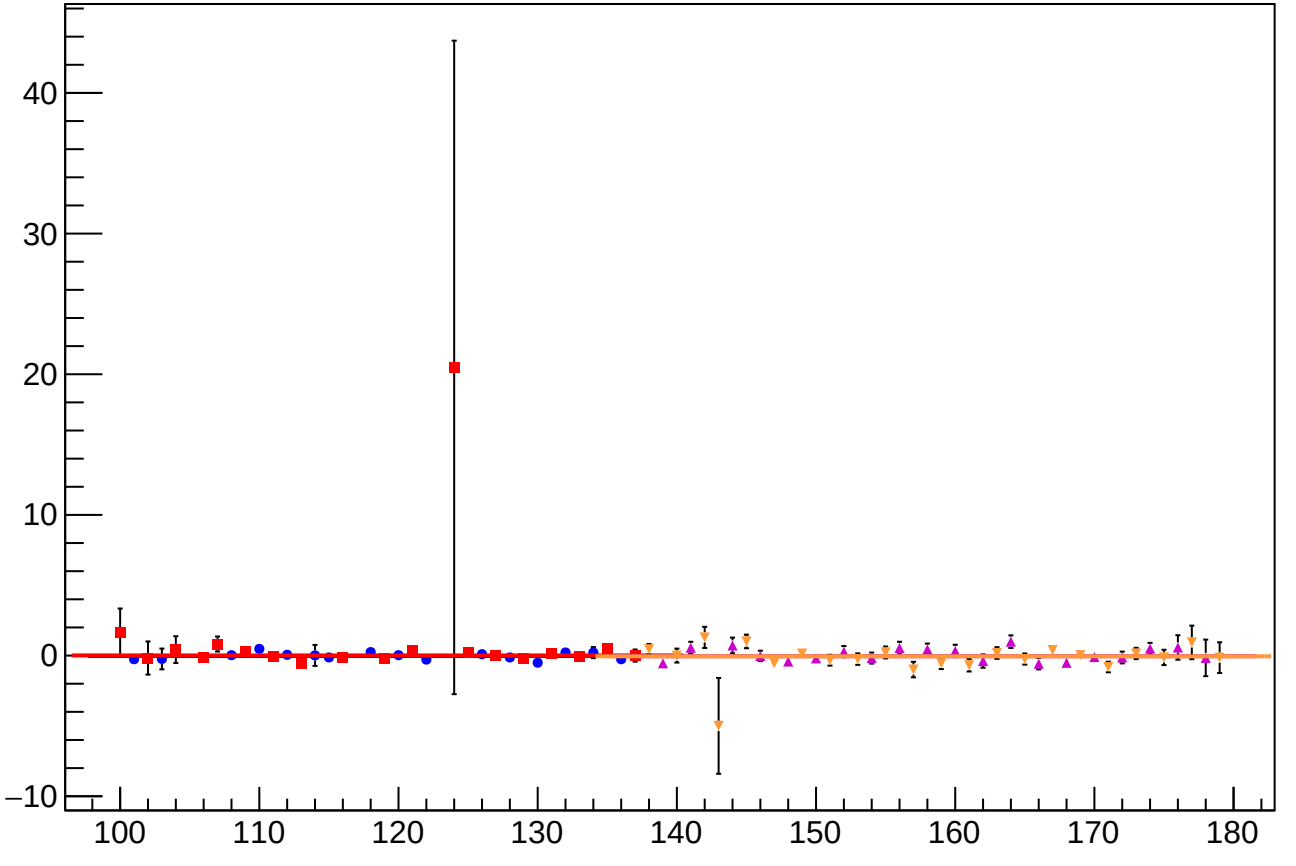
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 199.976+/-0.034 χ^2/NDF:9941153.6/35

Out: 191.377+/-0.033 χ^2/NDF:13981746.7/40

All: 195.637+/-0.024 χ^2/NDF: 23955774.5/76

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.052+/-0.086 χ^2/NDF:30.2/21

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.046+/-0.084 χ^2/NDF:26.3/19

Left: -0.049+/-0.060 χ^2/NDF: 56.5/41

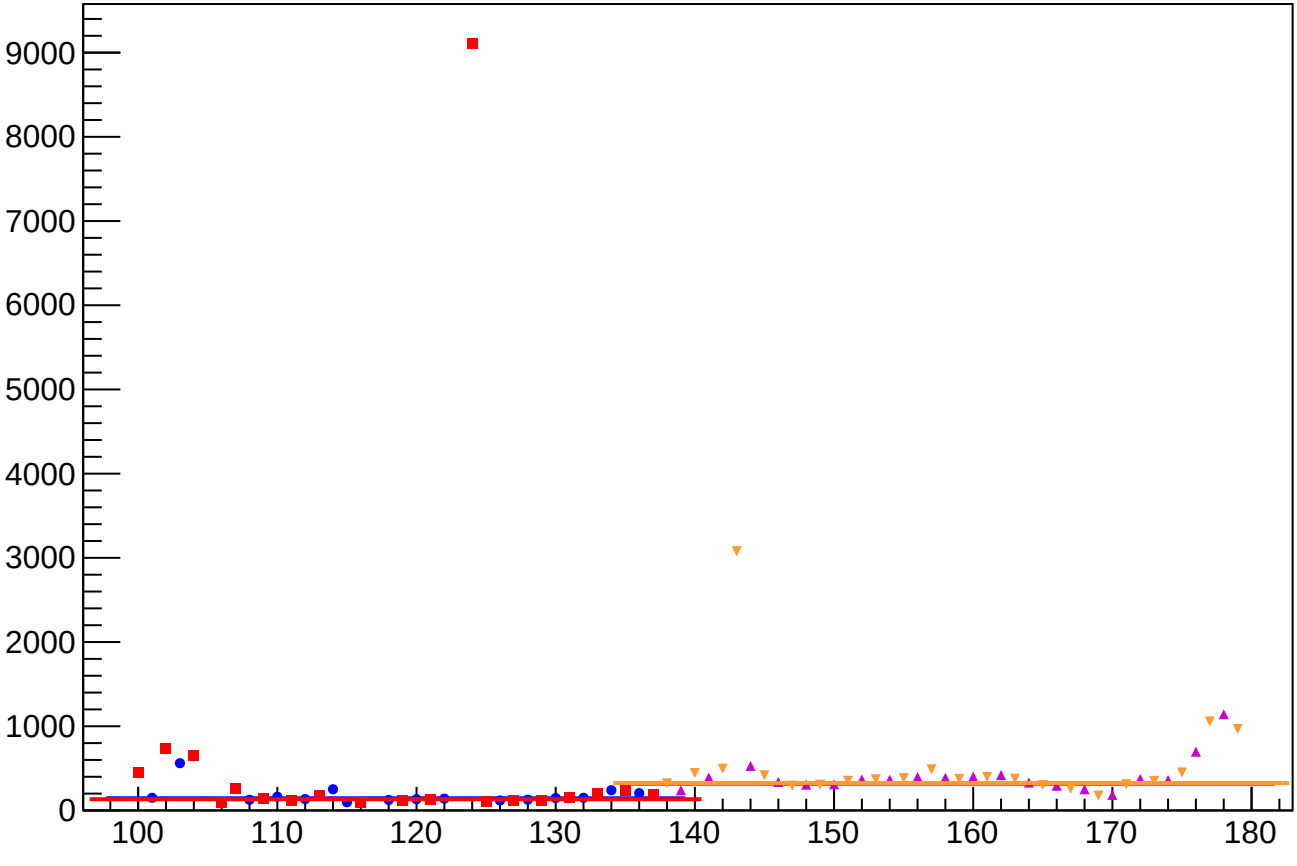
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/40

All: -0.021+/-0.034 χ^2/NDF: 96.1/76

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 325.521+/-0.061 χ^2/NDF:4762293.6/21

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 317.604+/-0.059 χ^2/NDF:3039936.9/19

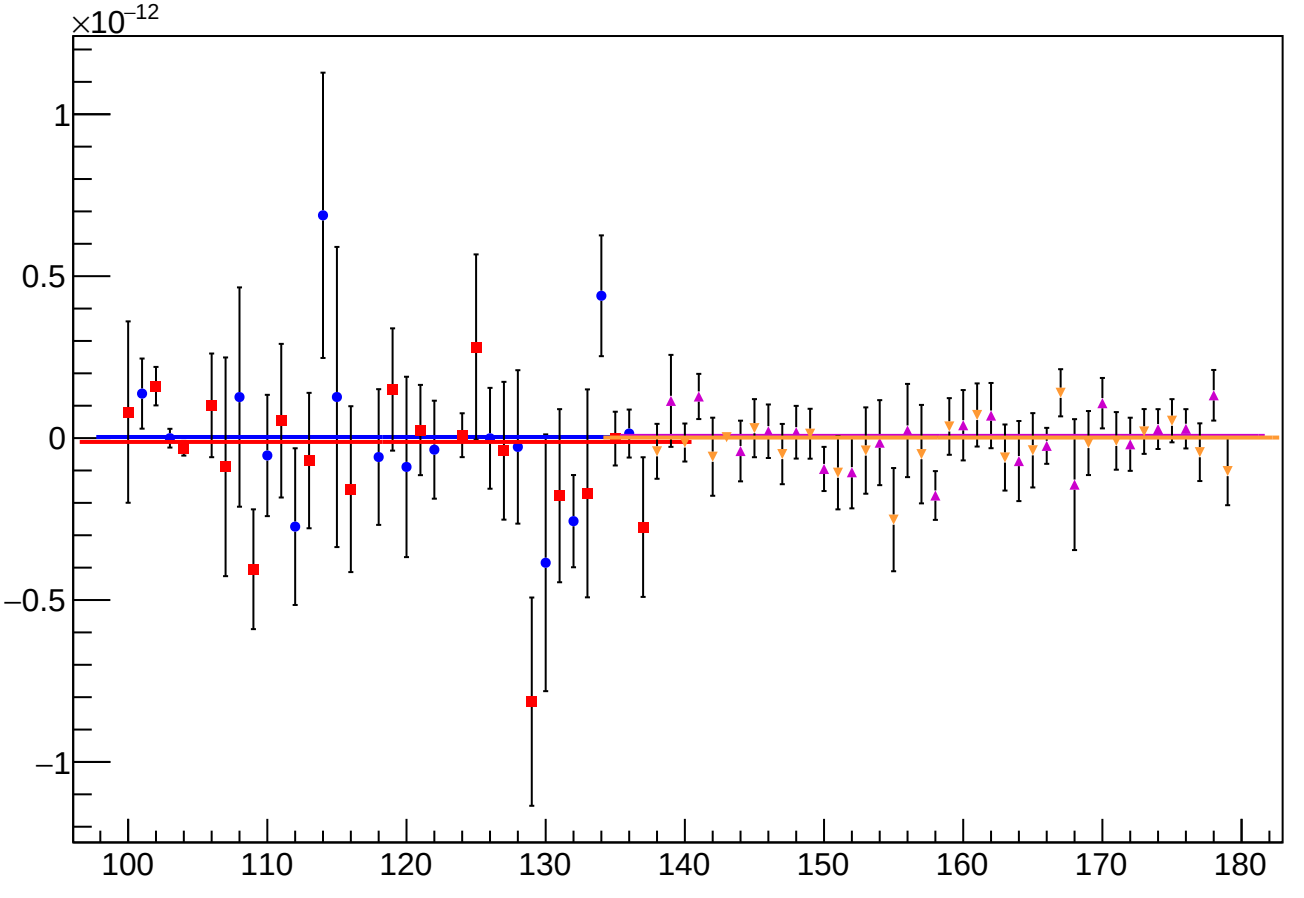
Left: 321.479+/-0.042 χ^2/NDF: 7810915.6/41

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 199.976+/-0.034 χ^2/NDF:9941153.6/35

Out: 191.377+/-0.033 χ^2/NDF:13981746.7/40

All: 195.637+/-0.024 χ^2/NDF: 23955774.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/19

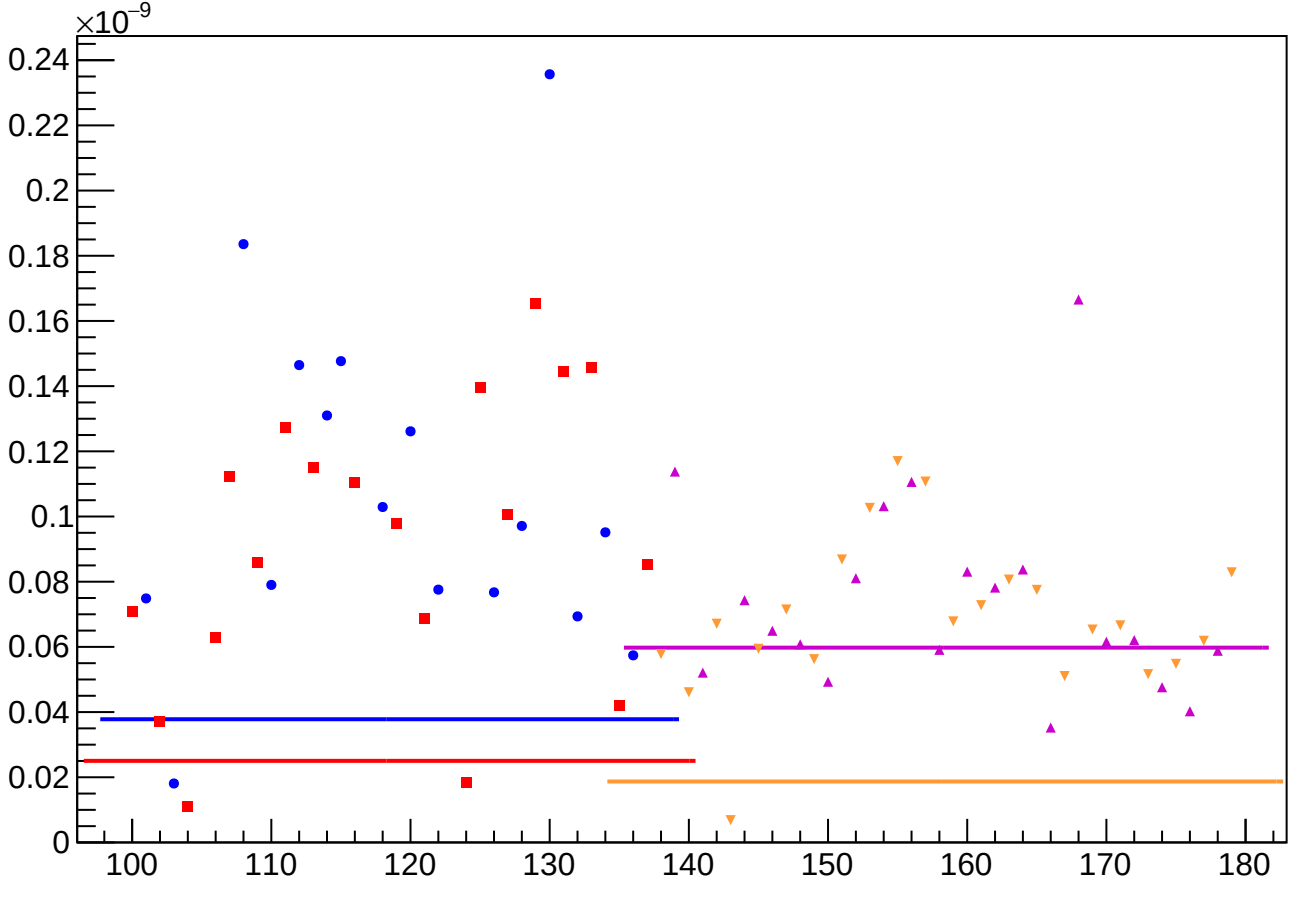
Left: 0.000+/-0.000 χ^2/NDF: 30.9/41

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:35.2/35

Out: -0.000+/-0.000 χ^2/NDF:36.9/40

All: 0.000+/-0.000 χ^2/NDF: 72.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14695862.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2429128.7/19

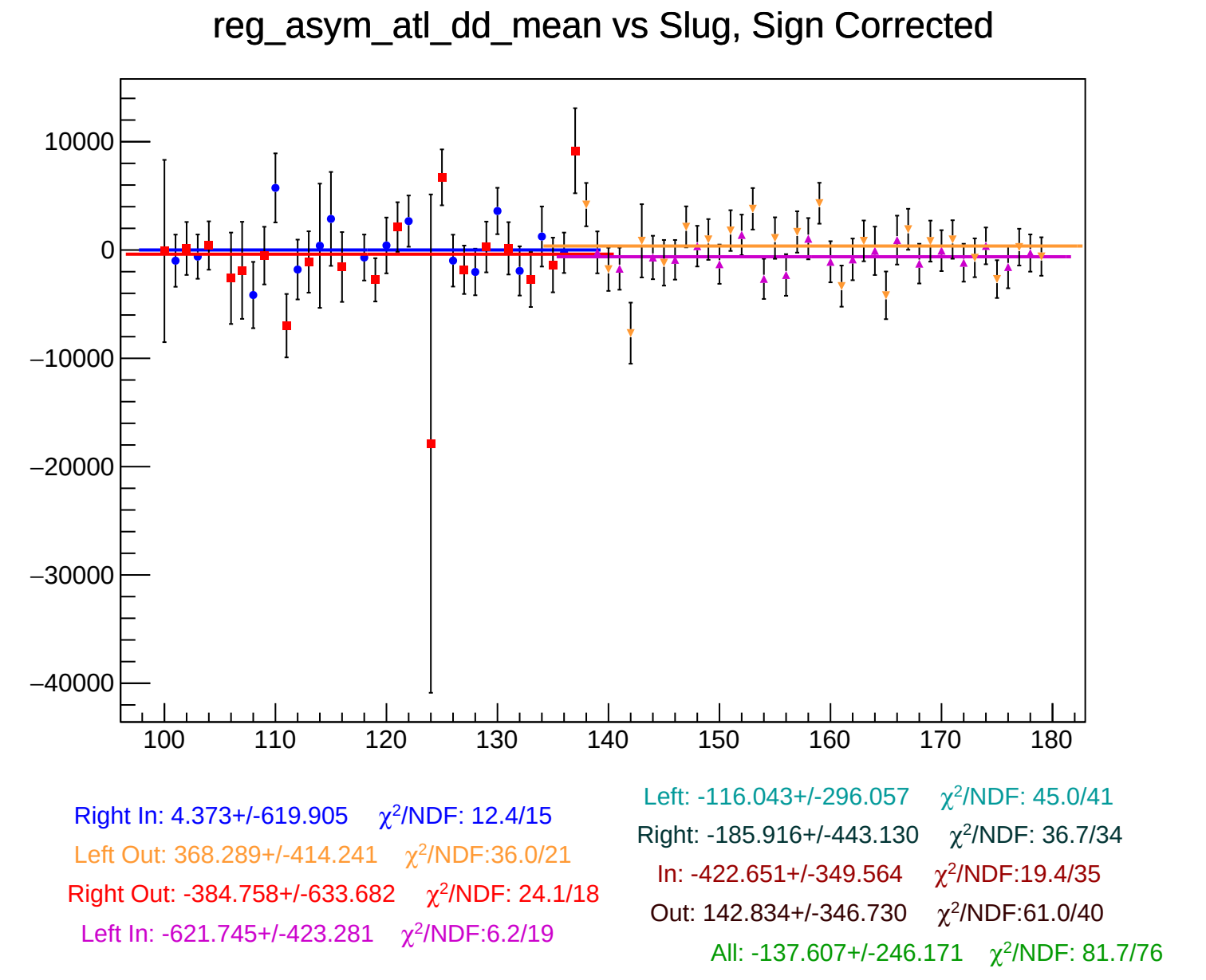
Left: 0.000+/-0.000 χ^2/NDF: 24964591.6/41

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

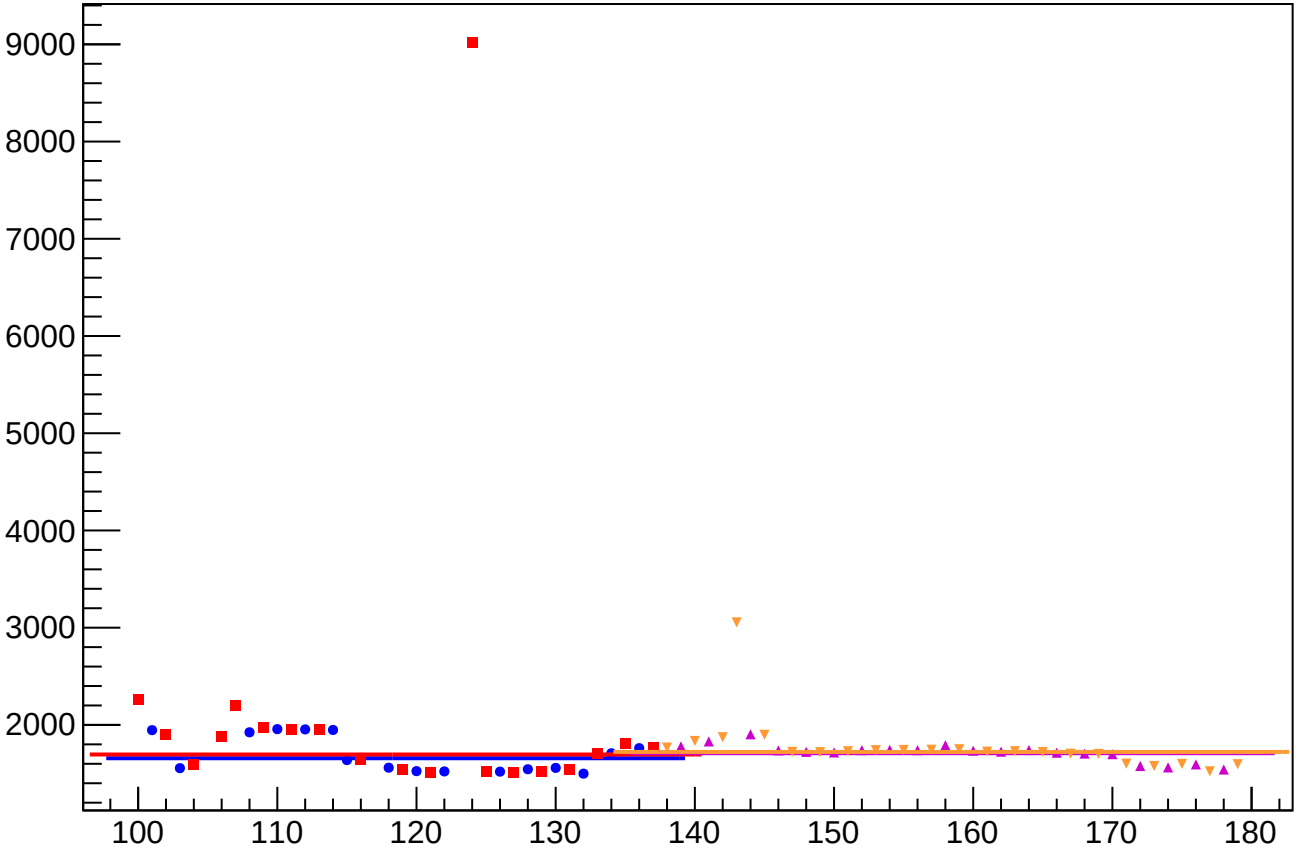
In: 0.000+/-0.000 χ^2/NDF:7418059.2/35

Out: 0.000+/-0.000 χ^2/NDF:19586854.0/40

All: 0.000+/-0.000 χ^2/NDF: 34051871.2/76


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 368.289+/-414.241 χ²/NDF:36.0/21
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -621.745+/-423.281 χ²/NDF:6.2/19
Left: -116.043+/-296.057 χ²/NDF: 45.0/41
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -422.651+/-349.564 χ²/NDF:19.4/35
Out: 142.834+/-346.730 χ²/NDF:61.0/40
All: -137.607+/-246.171 χ²/NDF: 81.7/76

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

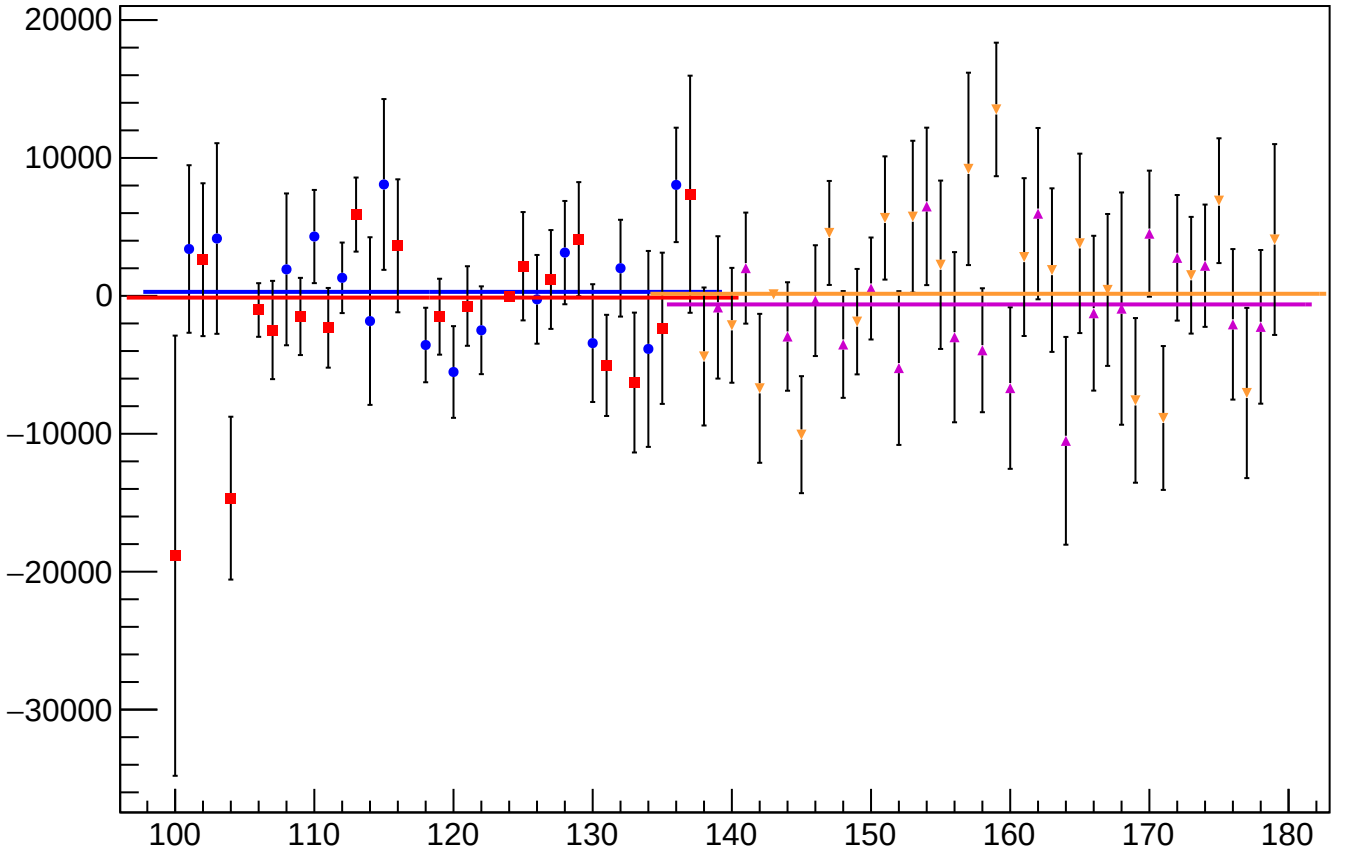
Left: 1715.600+/-0.209 χ^2/NDF: 498629.0/41

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1692.401+/-0.247 χ^2/NDF:241815.5/35

Out: 1714.104+/-0.245 χ^2/NDF:797966.5/40

All: 1703.356+/-0.174 χ^2/NDF: 1043673.5/76



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 150.981+/-345.571 χ^2/NDF:31.5/21

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -620.330+/-1093.932 χ^2/NDF:10.7/19

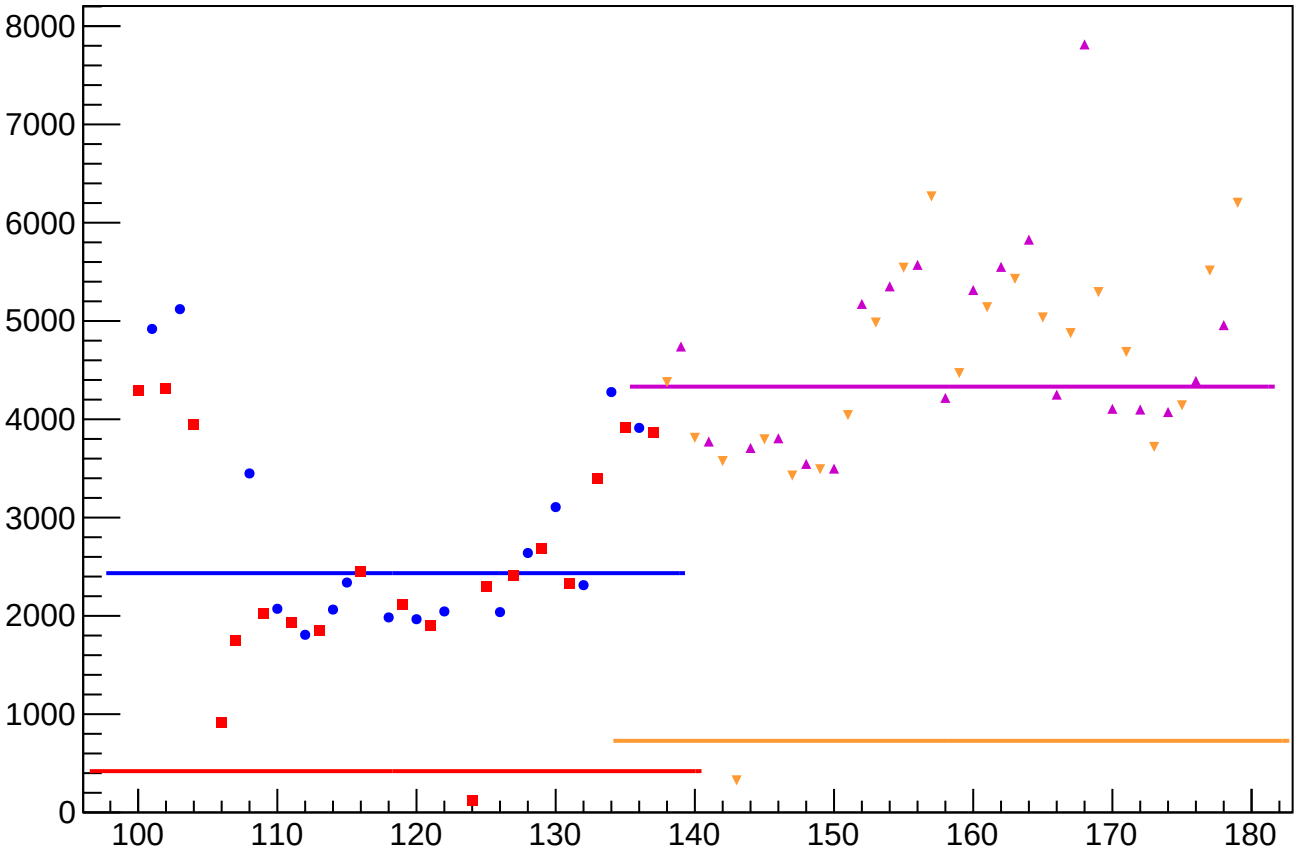
Left: 80.994+/-329.520 χ^2/NDF: 42.6/41

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -106.971+/-722.009 χ^2/NDF:26.3/35

Out: 3.675+/-236.250 χ^2/NDF:52.6/40

All: -7.026+/-224.535 χ^2/NDF: 78.9/76



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 728.809+/-0.244 χ^2/NDF:25629687.5/21

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4332.165+/-0.774 χ^2/NDF:1107751.3/19

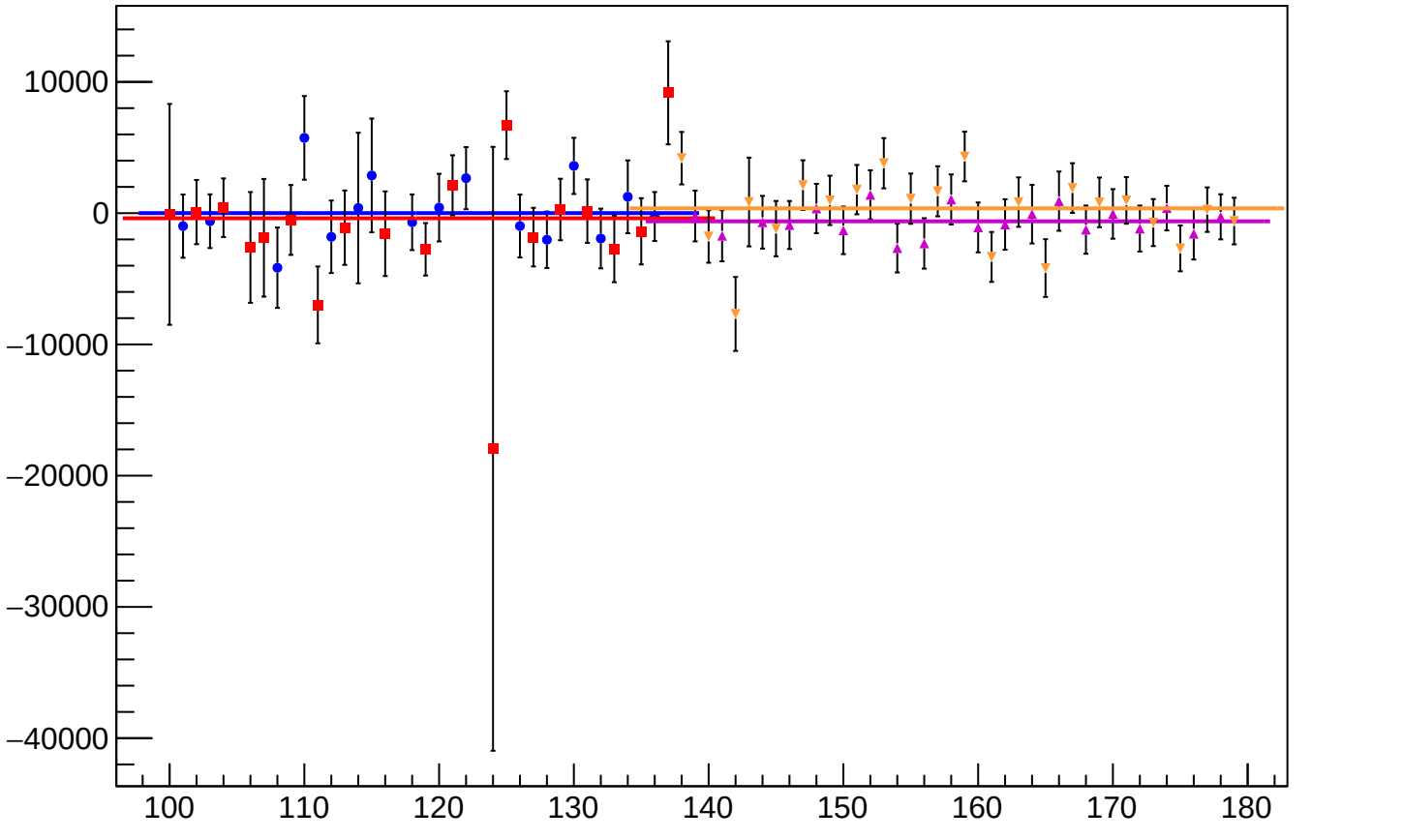
Left: 1055.766+/-0.233 χ^2/NDF: 46468630.2/41

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3261.207+/-0.511 χ^2/NDF:5961882.8/35

Out: 564.486+/-0.167 χ^2/NDF:37542707.1/40

All: 825.294+/-0.159 χ^2/NDF: 68707037.6/76



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -621.706+/-423.281 χ^2/NDF:6.2/19

Left: -116.031+/-296.057 χ^2/NDF: 45.0/41

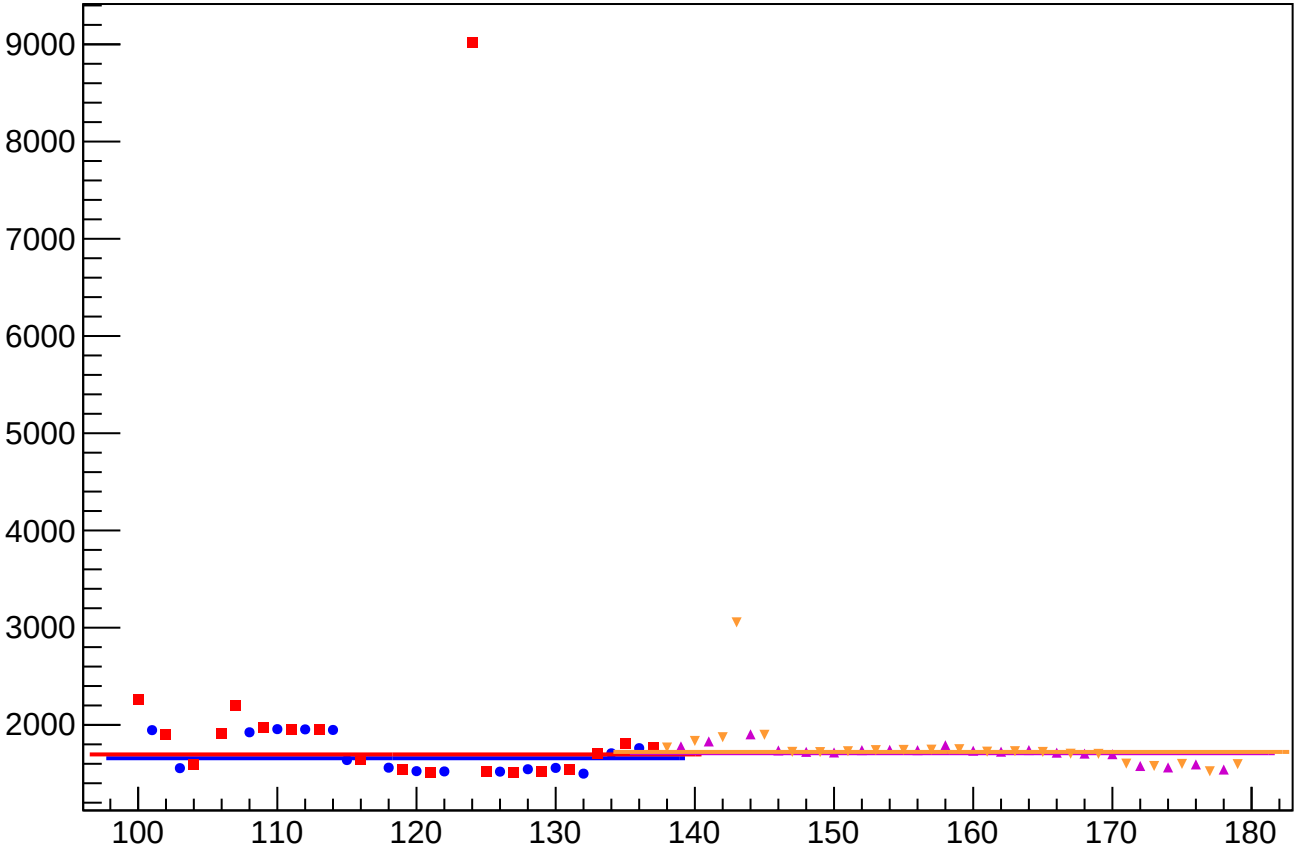
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -422.649+/-349.564 χ^2/NDF:19.4/35

Out: 141.541+/-346.731 χ^2/NDF:61.0/40

All: -138.258+/-246.171 χ^2/NDF: 81.7/76

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

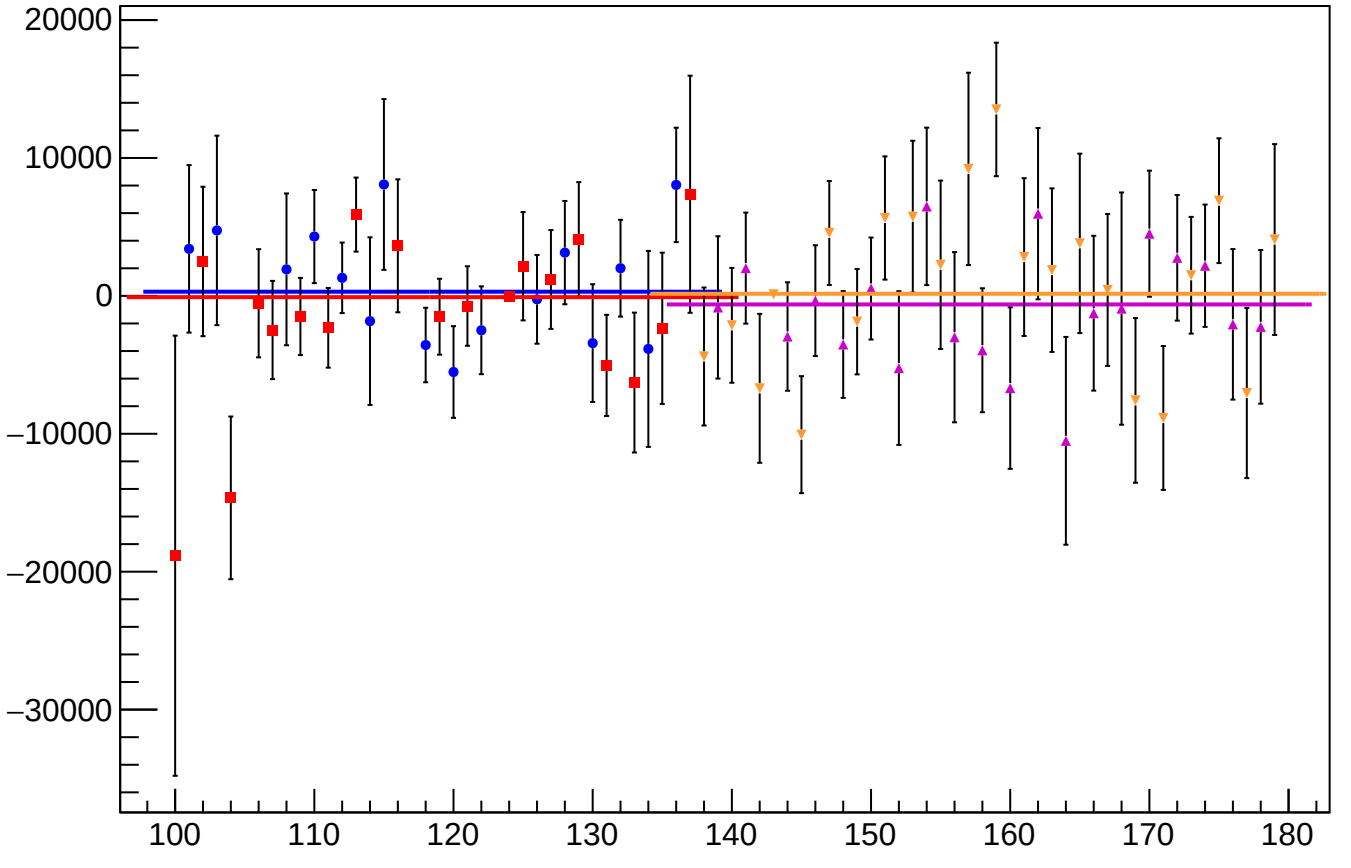
Left: 1715.600+/-0.209 χ^2/NDF: 498628.9/41

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1692.401+/-0.247 χ^2/NDF:241815.6/35

Out: 1714.349+/-0.245 χ^2/NDF:799578.2/40

All: 1703.478+/-0.174 χ^2/NDF: 1045372.8/76



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -620.353+/-1093.931 χ^2/NDF:10.7/19

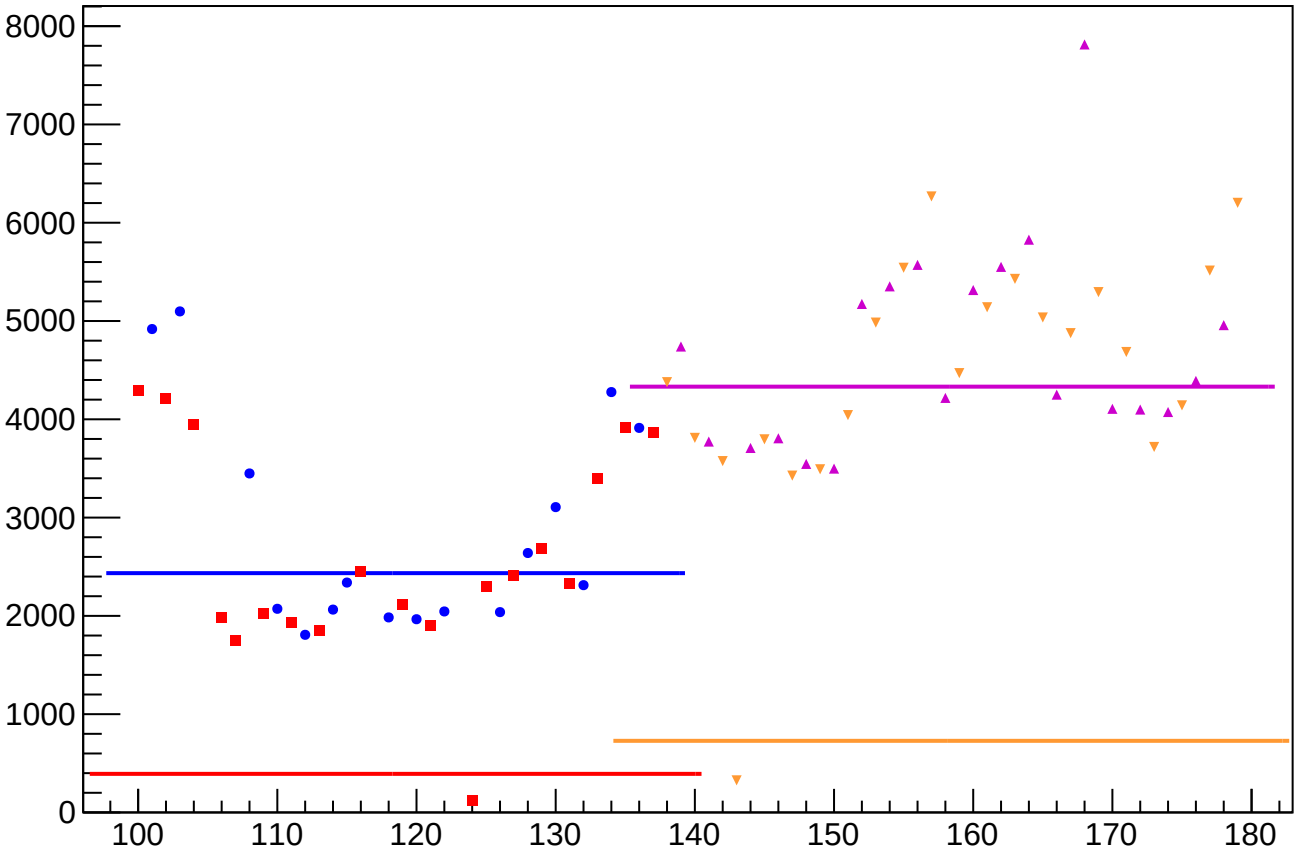
Left: 81.385+/-329.499 χ^2/NDF: 42.6/41

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -99.828+/-721.958 χ^2/NDF:26.4/35

Out: 18.627+/-233.095 χ^2/NDF:52.3/40

All: 7.444+/-221.820 χ^2/NDF: 78.8/76



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

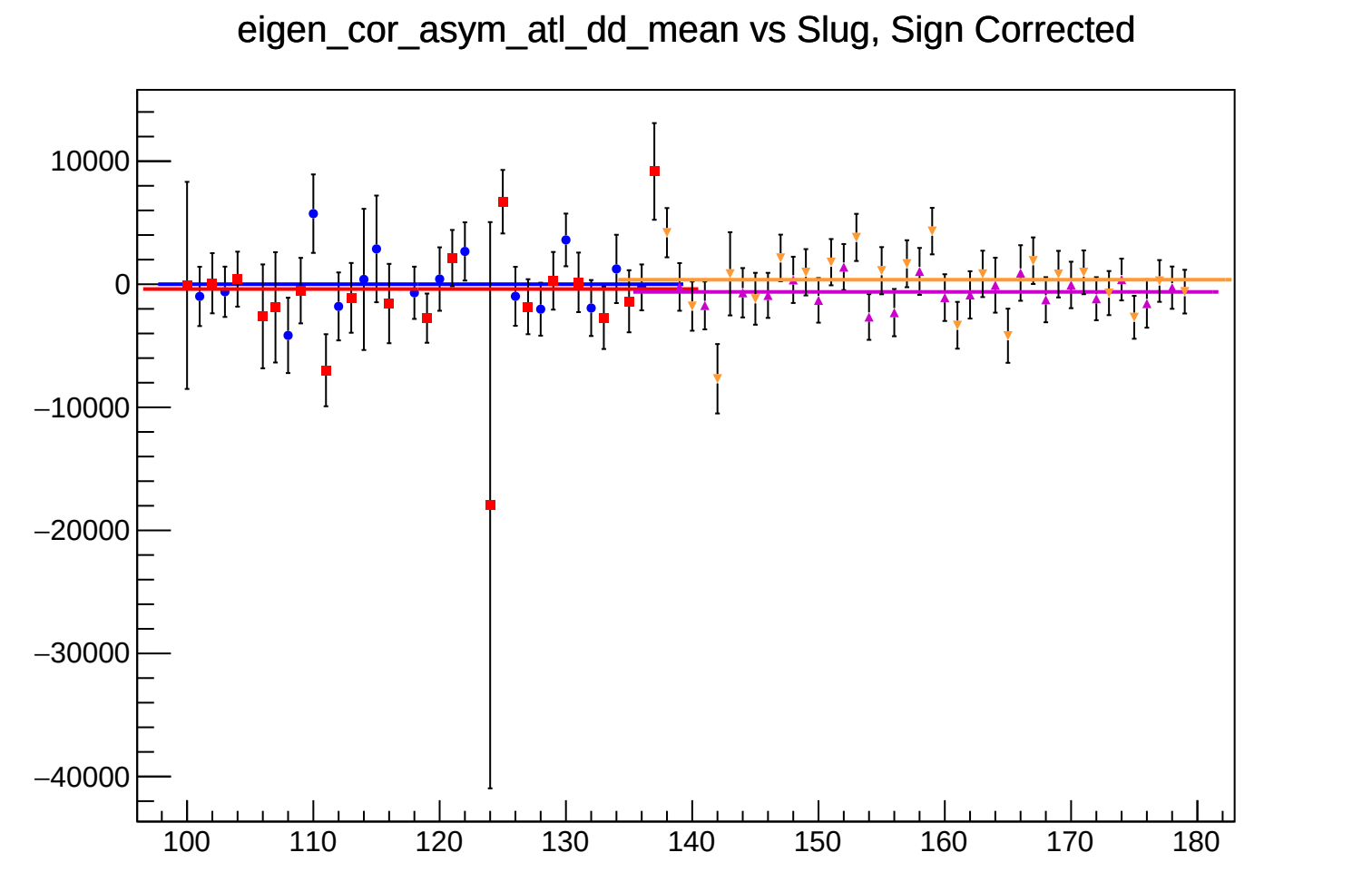
Left: 1055.648+/-0.233 χ^2/NDF: 46470511.3/41

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3261.184+/-0.511 χ^2/NDF:5959940.8/35

Out: 545.588+/-0.165 χ^2/NDF:38069310.2/40

All: 801.944+/-0.157 χ^2/NDF: 69654727.4/76



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 368.277+/-414.241 χ^2/NDF:36.0/21

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -621.706+/-423.281 χ^2/NDF:6.2/19

Left: -116.031+/-296.057 χ^2/NDF: 45.0/41

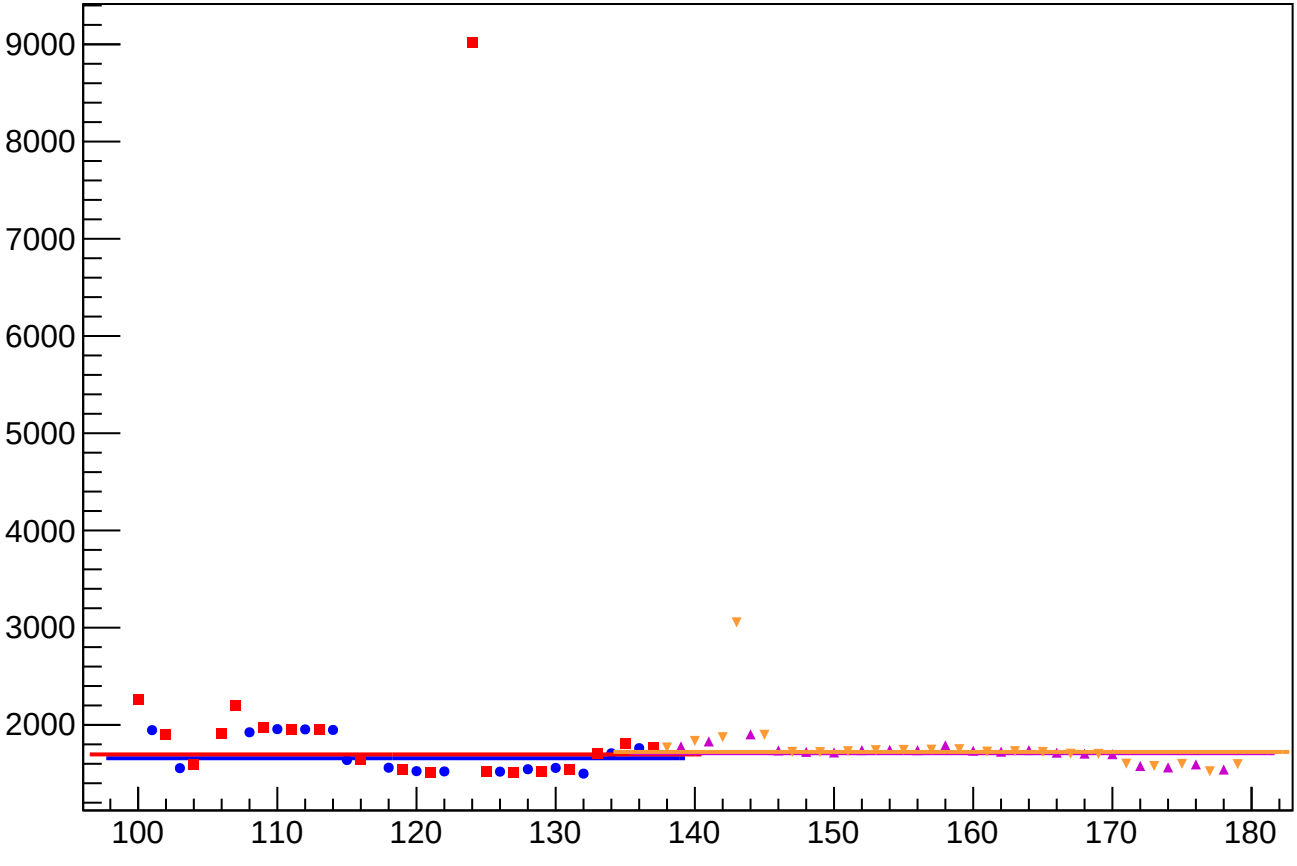
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -422.649+/-349.564 χ^2/NDF:19.4/35

Out: 141.541+/-346.731 χ^2/NDF:61.0/40

All: -138.258+/-246.171 χ^2/NDF: 81.7/76

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1722.064+/-0.293 χ^2/NDF:409299.7/21

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1708.851+/-0.299 χ^2/NDF:88333.8/19

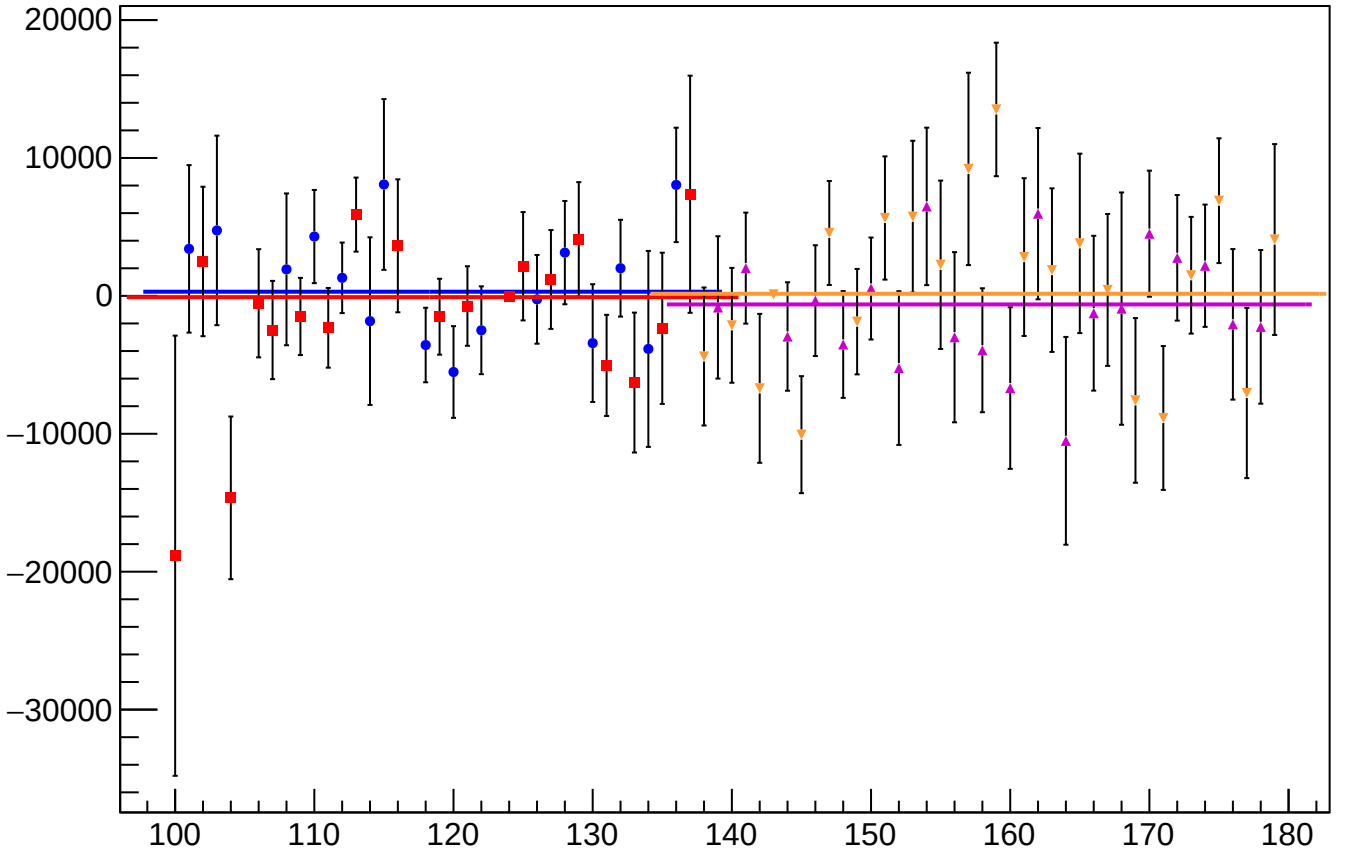
Left: 1715.600+/-0.209 χ^2/NDF: 498628.9/41

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1692.401+/-0.247 χ^2/NDF:241815.6/35

Out: 1714.349+/-0.245 χ^2/NDF:799578.2/40

All: 1703.478+/-0.174 χ^2/NDF: 1045372.8/76



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 151.402+/-345.547 χ^2/NDF:31.5/21

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -620.353+/-1093.931 χ^2/NDF:10.7/19

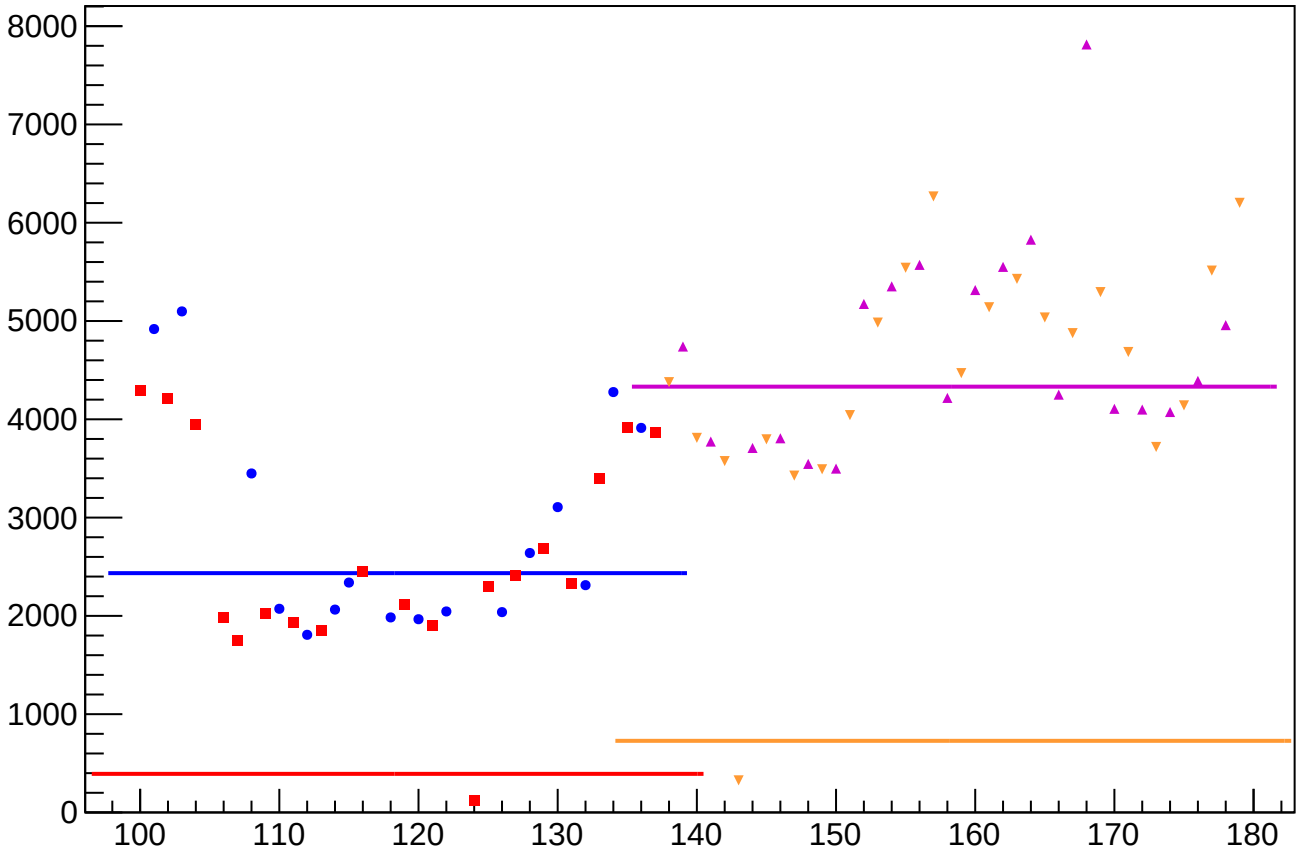
Left: 81.385+/-329.499 χ^2/NDF: 42.6/41

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -99.828+/-721.958 χ^2/NDF:26.4/35

Out: 18.627+/-233.095 χ^2/NDF:52.3/40

All: 7.444+/-221.820 χ^2/NDF: 78.8/76



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 728.725+/-0.244 χ^2/NDF:25630417.5/21

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

Left: 1055.648+/-0.233 χ^2/NDF: 46470511.3/41

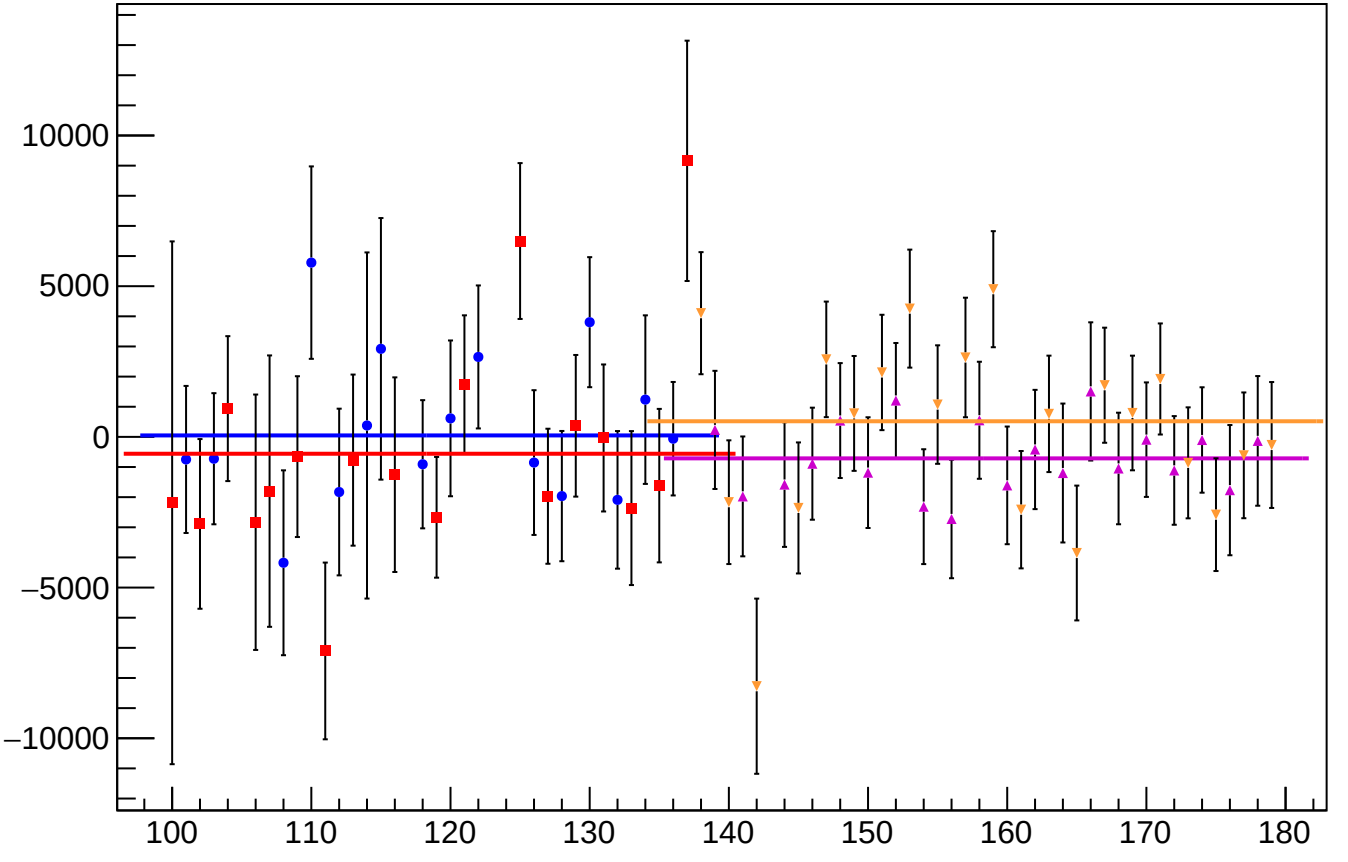
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3261.184+/-0.511 χ^2/NDF:5959940.8/35

Out: 545.588+/-0.165 χ^2/NDF:38069310.2/40

All: 801.944+/-0.157 χ^2/NDF: 69654727.4/76

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 518.235+/-434.726 χ^2/NDF:38.5/20

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -713.189+/-438.024 χ^2/NDF:6.3/19

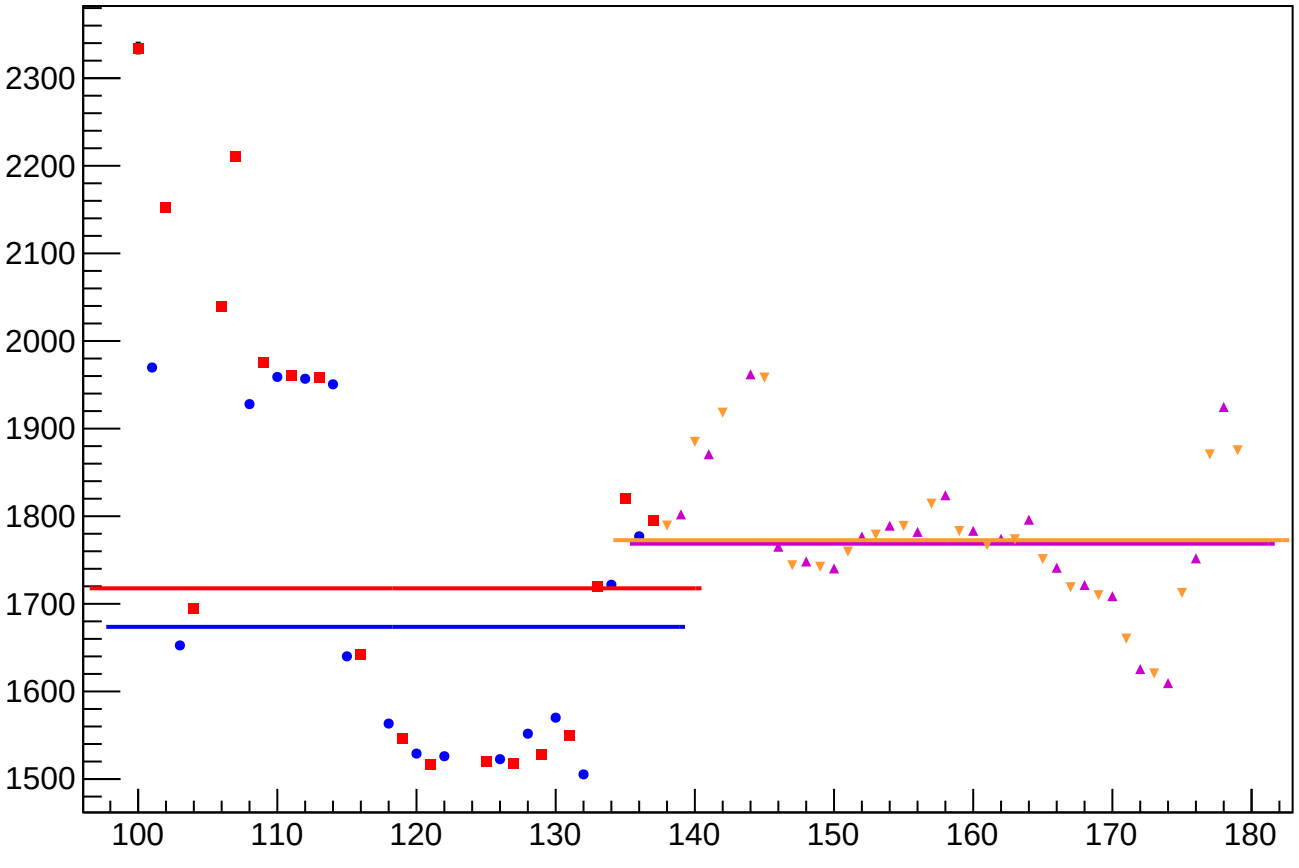
Left: -92.824+/-308.557 χ^2/NDF: 48.8/40

Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -462.972+/-358.919 χ^2/NDF:20.2/35

Out: 181.763+/-360.541 χ^2/NDF:63.7/38

All: -142.058+/-254.366 χ^2/NDF: 85.5/74



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1772.648+/-0.307 χ^2/NDF:64189.3/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1768.639+/-0.310 χ^2/NDF:69817.0/19

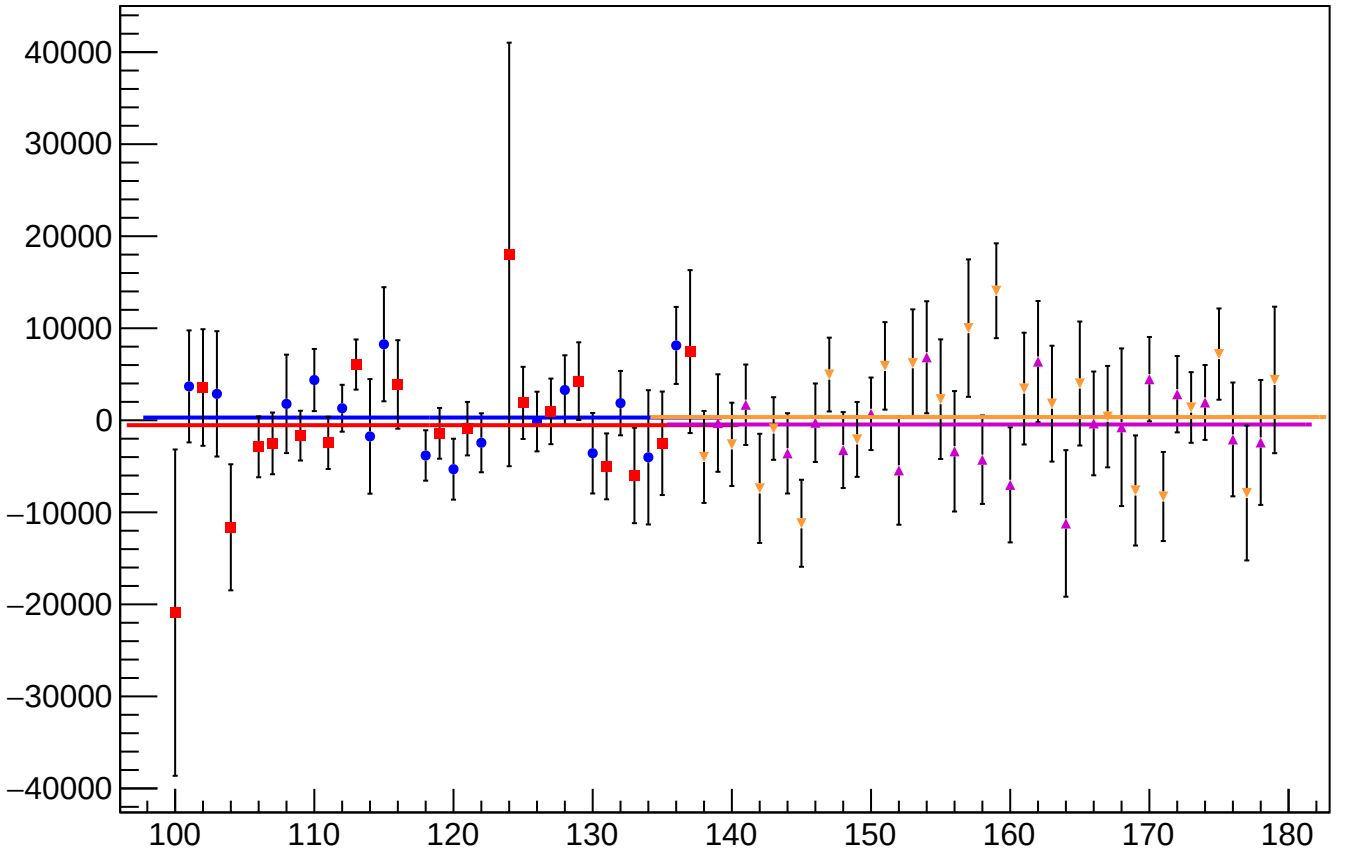
Left: 1770.658+/-0.218 χ^2/NDF: 134090.6/40

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1737.454+/-0.254 χ^2/NDF:241542.9/35

Out: 1755.444+/-0.255 χ^2/NDF:301832.8/38

All: 1746.415+/-0.180 χ^2/NDF: 545878.5/74



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 351.486+/-1088.020 χ^2/NDF:31.0/21

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -454.964+/-1143.643 χ^2/NDF:10.6/19

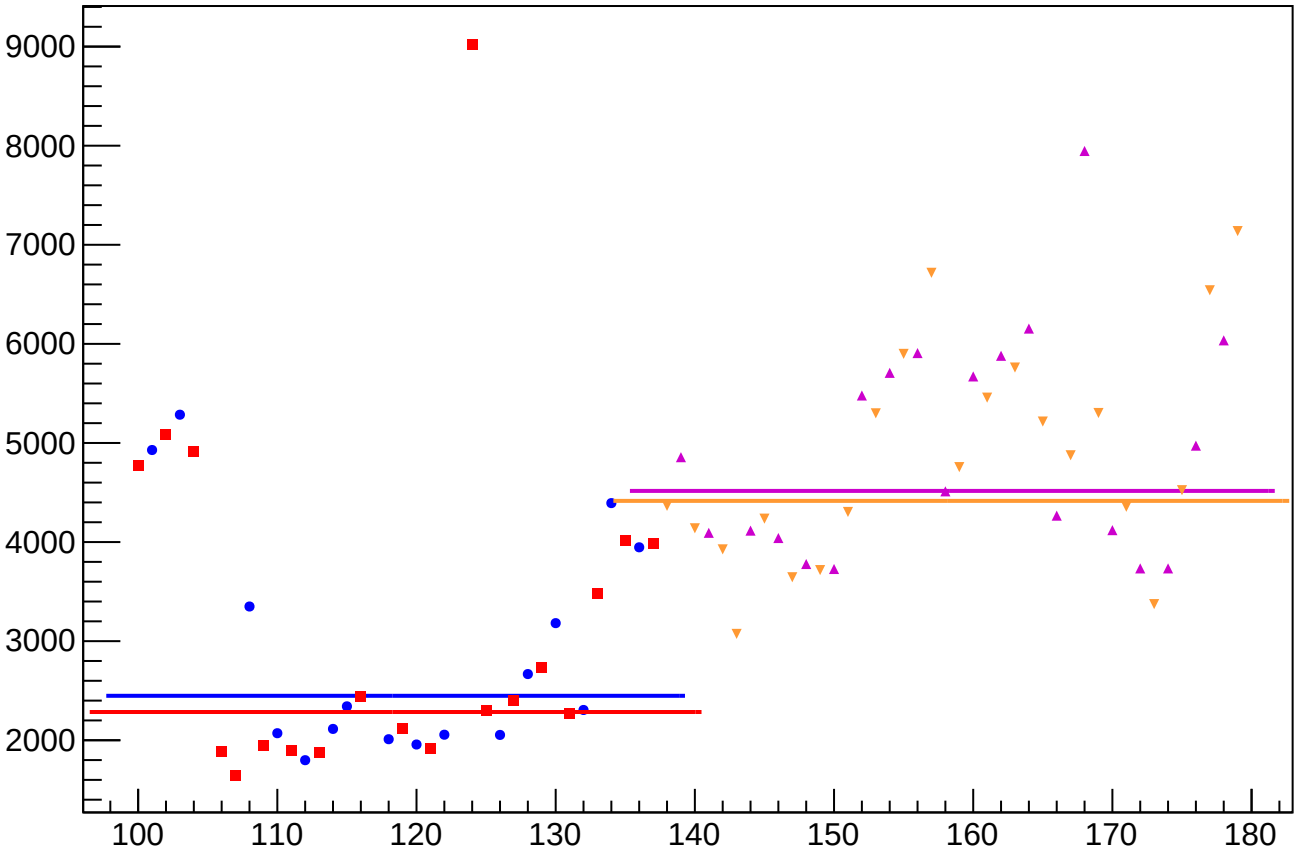
Left: -31.651+/-788.277 χ^2/NDF: 41.8/41

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -15.890+/-737.381 χ^2/NDF:26.1/35

Out: -180.109+/-686.075 χ^2/NDF:50.1/40

All: -103.911+/-502.288 χ^2/NDF: 76.2/76



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4415.587+/-0.769 χ^2/NDF:1605337.0/21

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4516.192+/-0.809 χ^2/NDF:1267452.0/19

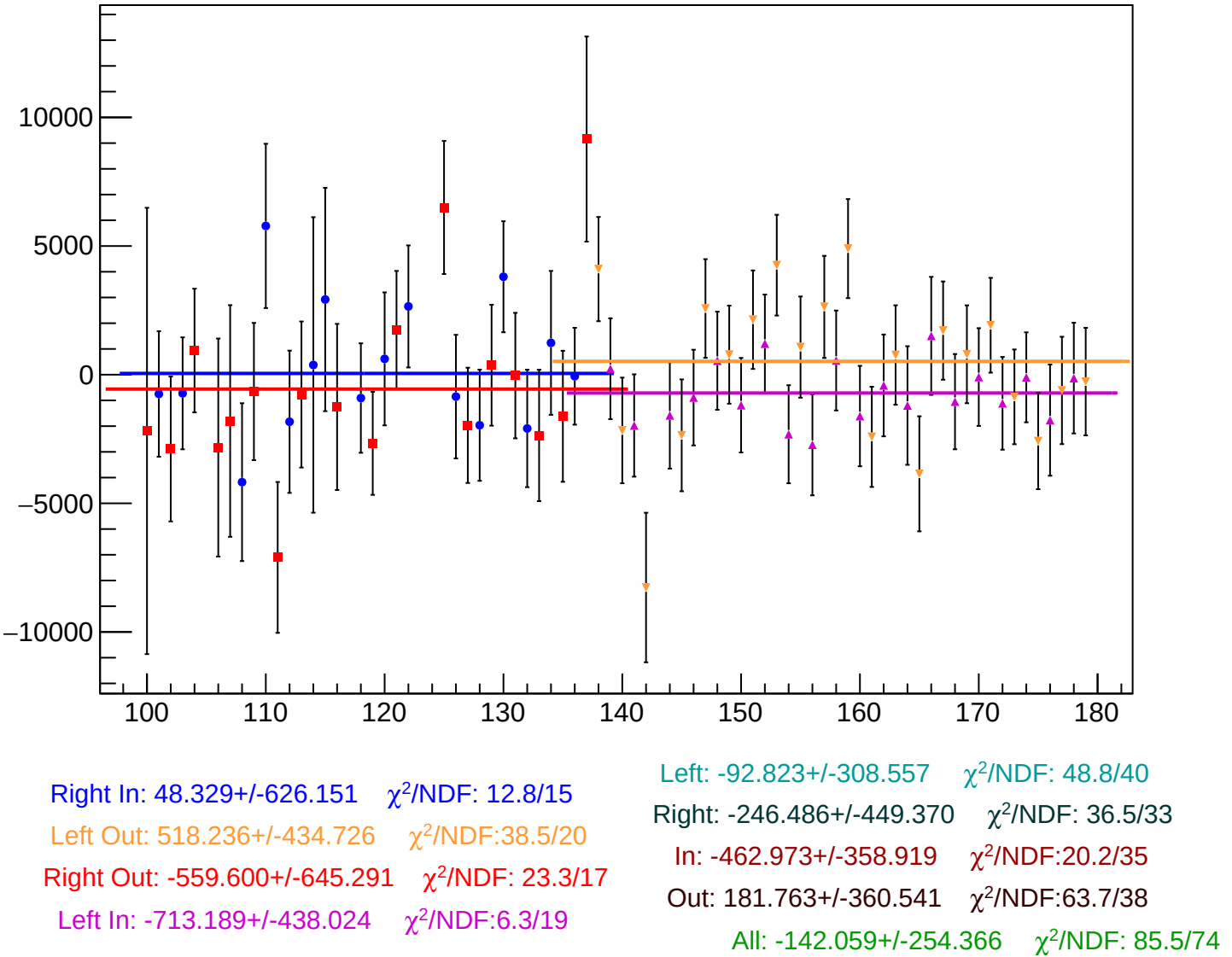
Left: 4463.384+/-0.557 χ^2/NDF: 2880913.1/41

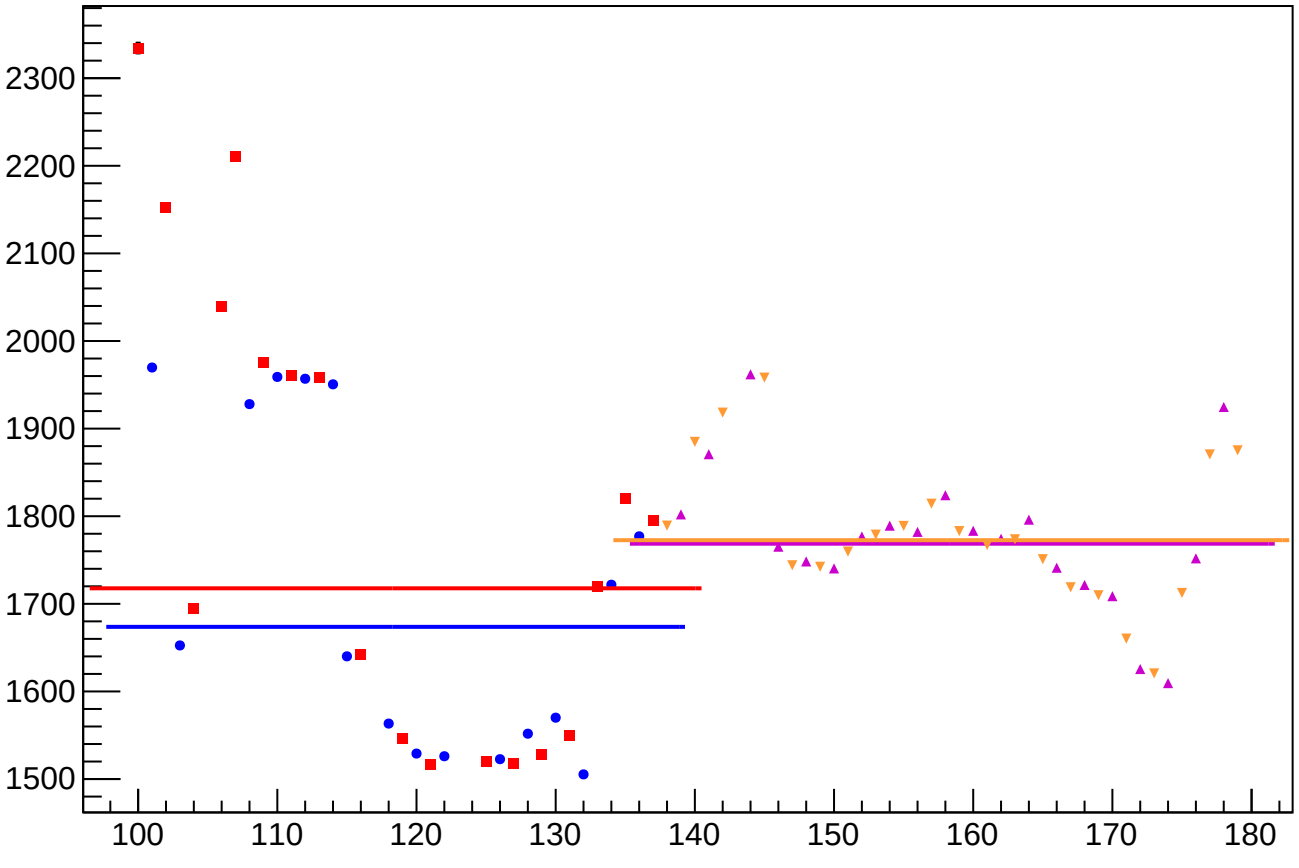
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3308.142+/-0.521 χ^2/NDF:6604474.6/35

Out: 3132.212+/-0.485 χ^2/NDF:7773644.4/40

All: 3213.844+/-0.355 χ^2/NDF: 14439141.5/7


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 518.236+/-434.726 χ²/NDF:38.5/20
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -713.189+/-438.024 χ²/NDF:6.3/19
Left: -92.823+/-308.557 χ²/NDF: 48.8/40
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -462.973+/-358.919 χ²/NDF:20.2/35
Out: 181.763+/-360.541 χ²/NDF:63.7/38
All: -142.059+/-254.366 χ²/NDF: 85.5/74



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1772.649+/-0.307 χ^2/NDF:64192.5/20

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1768.639+/-0.310 χ^2/NDF:69819.6/19

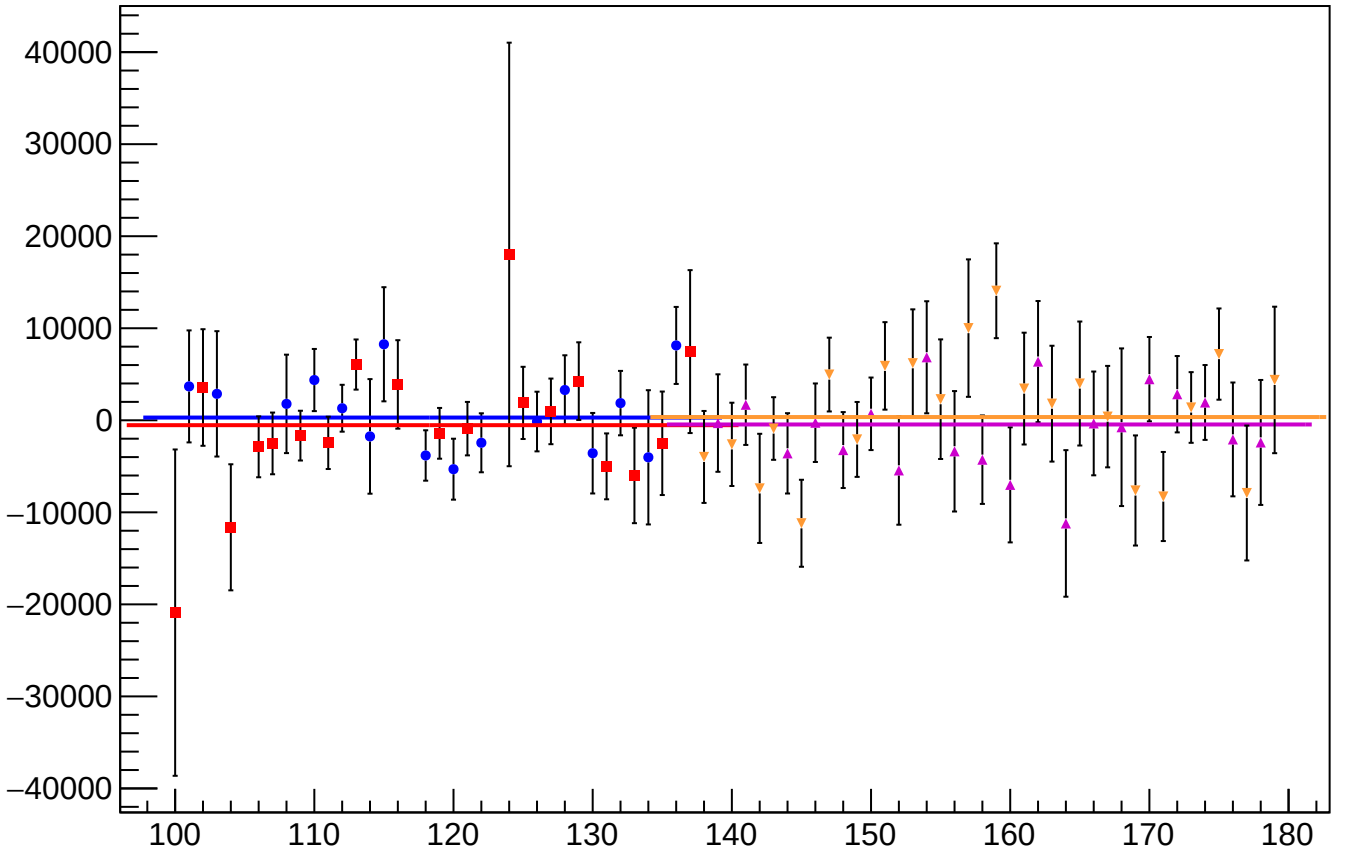
Left: 1770.659+/-0.218 χ^2/NDF: 134096.6/40

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1737.454+/-0.254 χ^2/NDF:241546.2/35

Out: 1755.444+/-0.255 χ^2/NDF:301835.7/38

All: 1746.415+/-0.180 χ^2/NDF: 545884.8/74



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 351.490+/-1088.022 χ^2/NDF:31.0/21

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -454.965+/-1143.645 χ^2/NDF:10.6/19

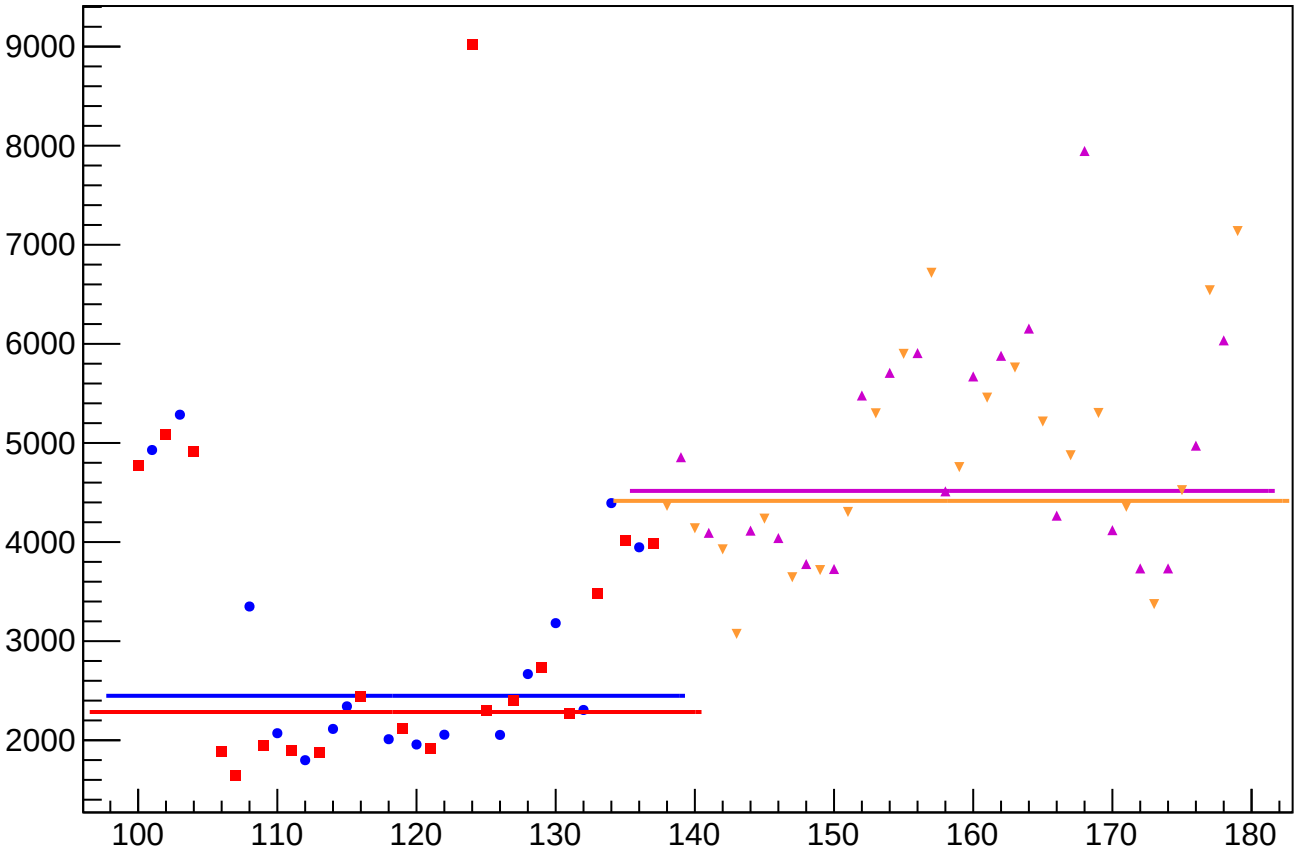
Left: -31.650+/-788.278 χ^2/NDF: 41.8/41

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -15.892+/-737.380 χ^2/NDF:26.1/35

Out: -180.111+/-686.074 χ^2/NDF:50.1/40

All: -103.913+/-502.287 χ^2/NDF: 76.2/76



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4415.594+/-0.769 χ^2/NDF:1605339.8/21

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4516.199+/-0.809 χ^2/NDF:1267452.6/19

Left: 4463.391+/-0.557 χ^2/NDF: 2880916.5/41

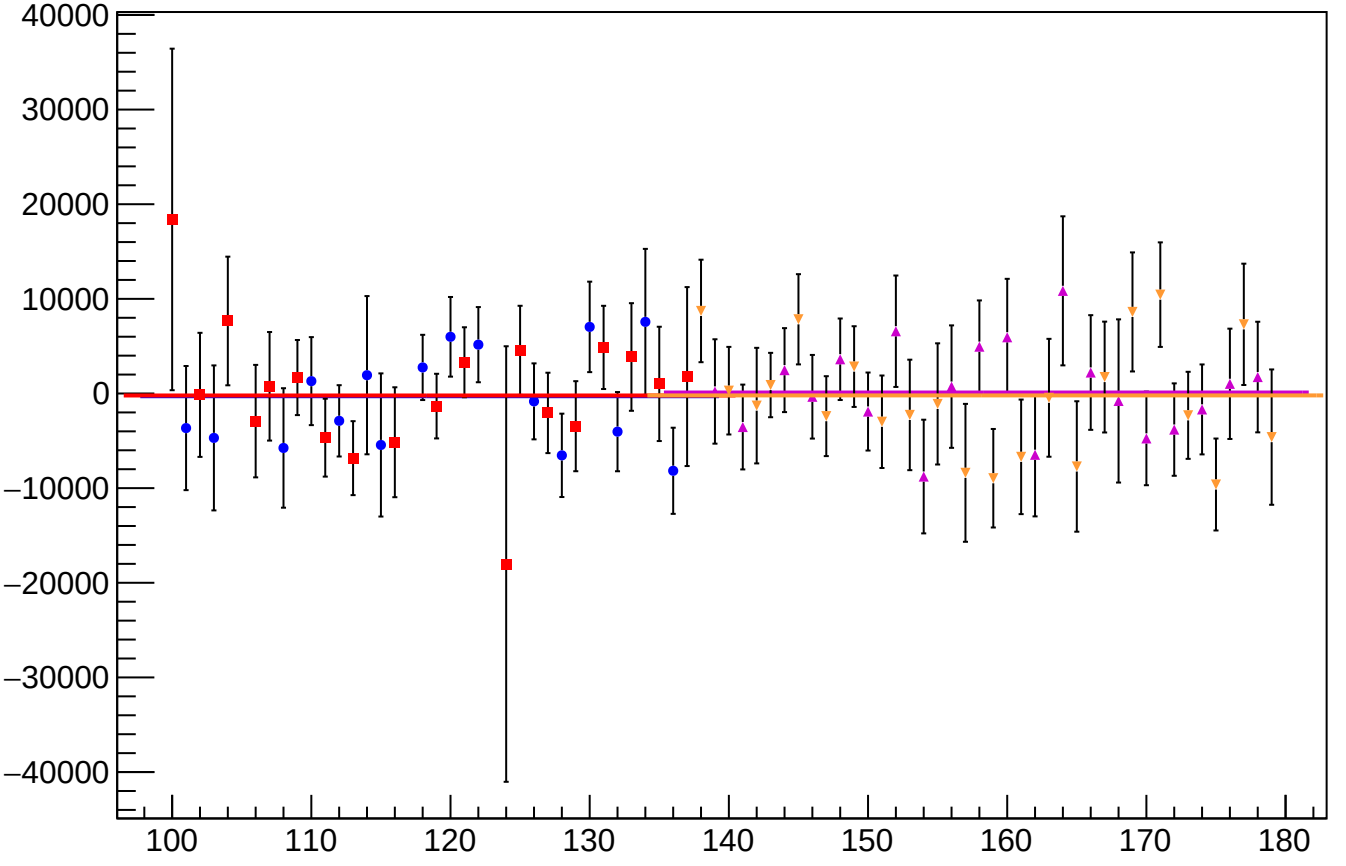
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3308.133+/-0.521 χ^2/NDF:6604559.6/35

Out: 3132.204+/-0.485 χ^2/NDF:7773726.7/40

All: 3213.836+/-0.355 χ^2/NDF: 14439308.1/7

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -201.148+/-1121.194 χ^2/NDF:24.9/21

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 103.472+/-1184.815 χ^2/NDF:12.0/19

Left: -57.236+/-814.367 χ^2/NDF: 36.9/41

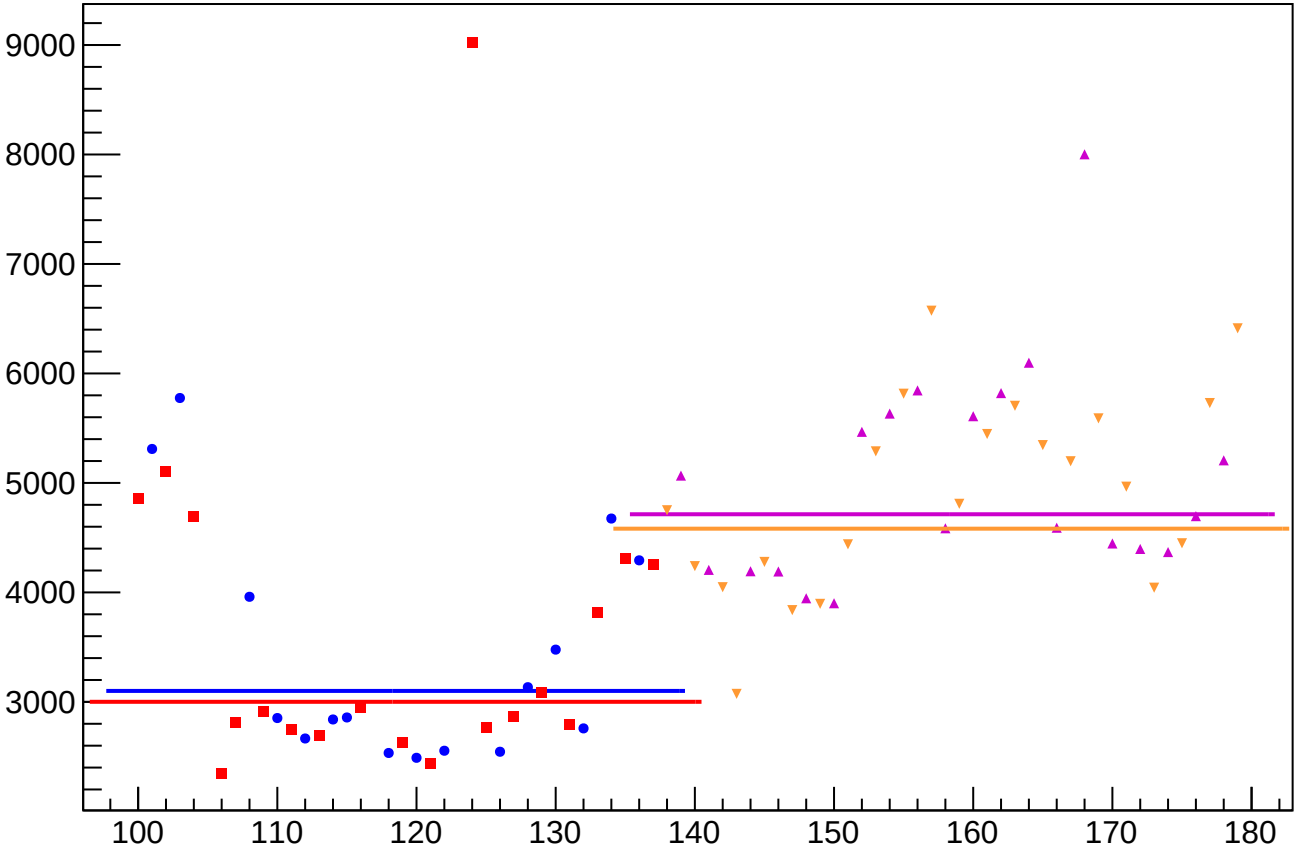
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -89.848+/-842.184 χ^2/NDF:28.6/35

Out: -205.191+/-804.064 χ^2/NDF:37.8/40

All: -150.189+/-581.569 χ^2/NDF: 66.4/76

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4582.171+/-0.793 χ^2/NDF:1239784.4/21

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4713.830+/-0.838 χ^2/NDF:865230.9/19

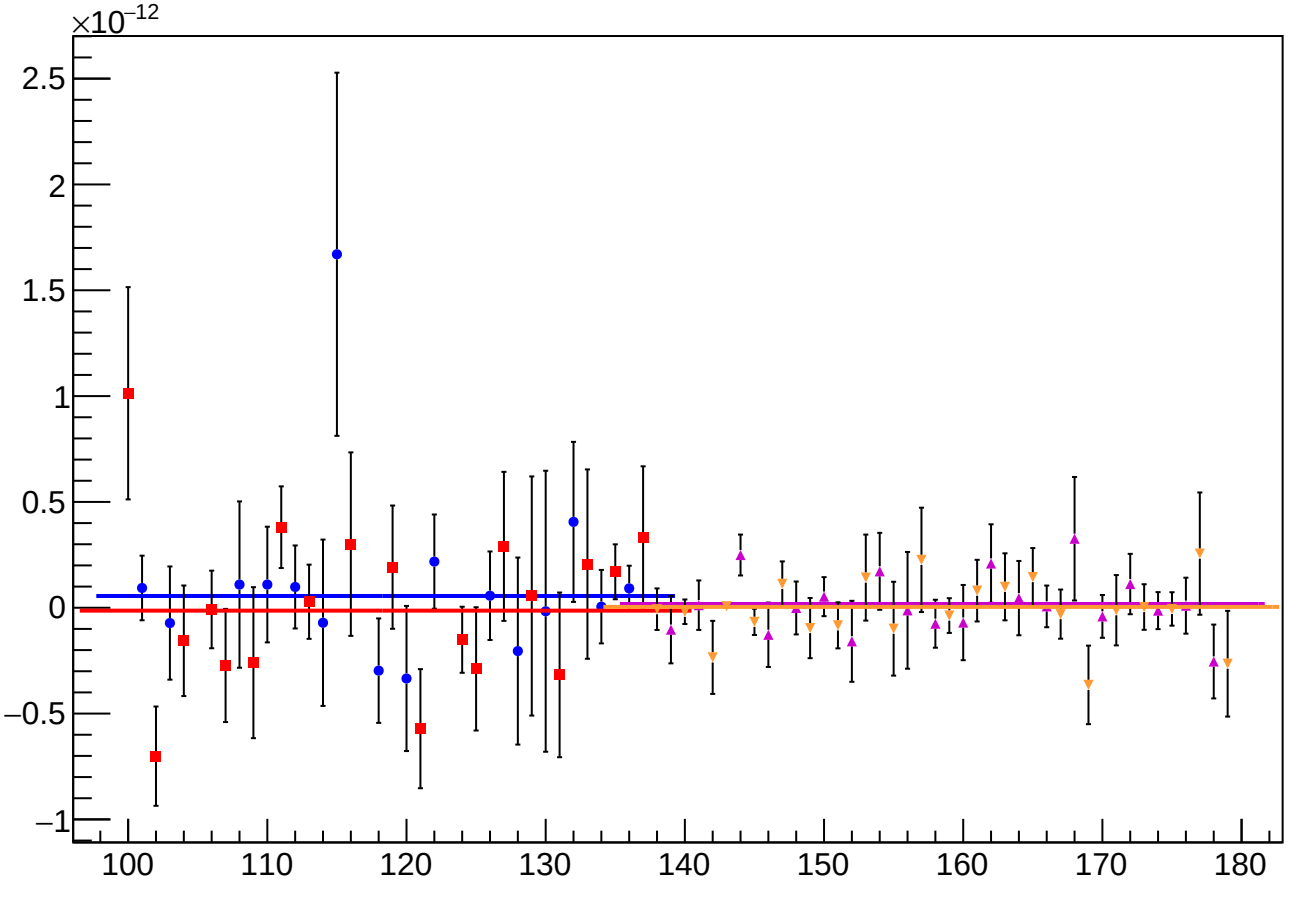
Left: 4644.371+/-0.576 χ^2/NDF: 2118044.1/41

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3915.465+/-0.596 χ^2/NDF:3664391.7/35

Out: 3803.341+/-0.565 χ^2/NDF:4005948.6/40

All: 3856.436+/-0.410 χ^2/NDF: 7689003.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/19

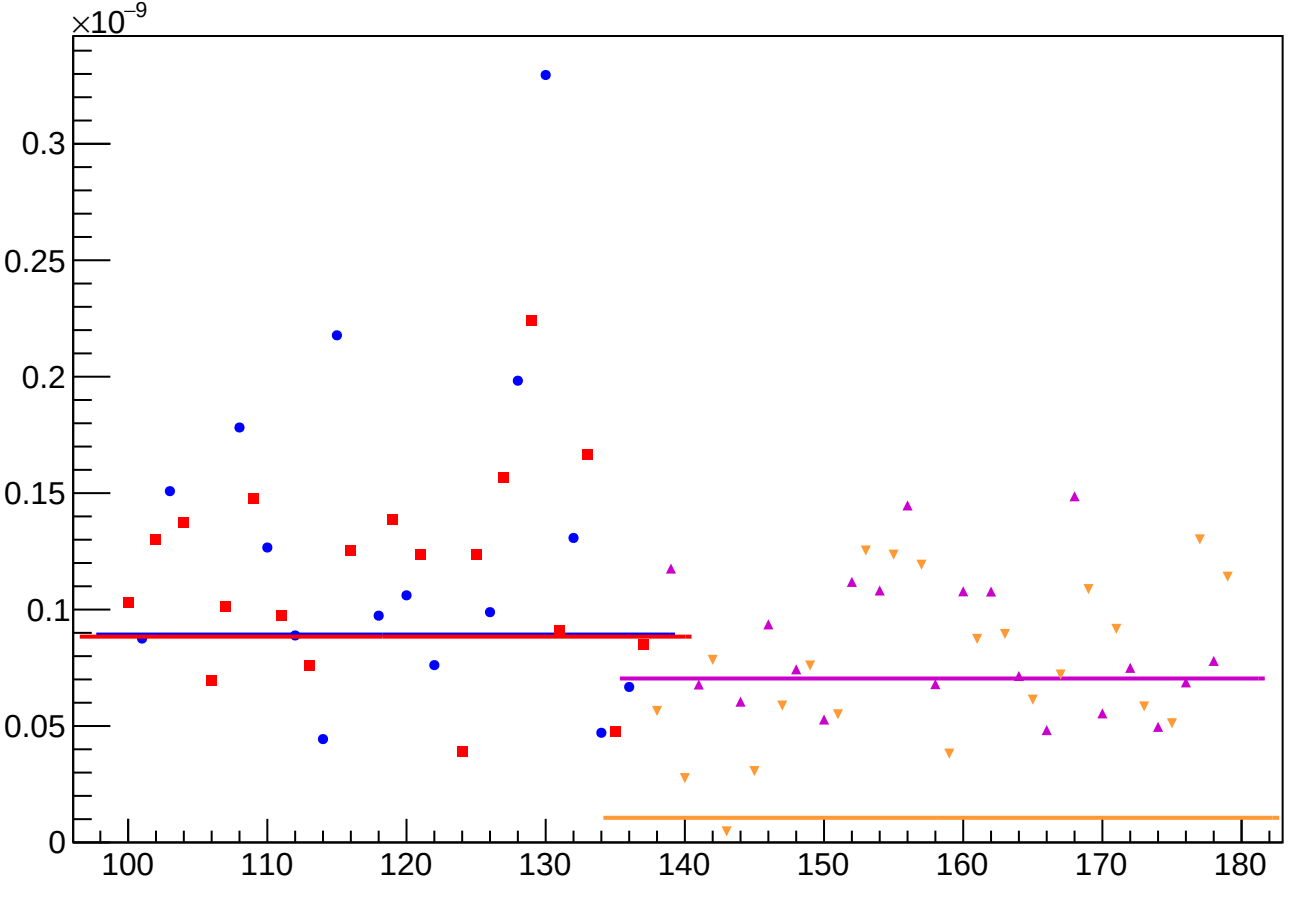
Left: 0.000+/-0.000 χ^2/NDF: 30.7/41

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:25.1/35

Out: 0.000+/-0.000 χ^2/NDF:45.2/40

All: 0.000+/-0.000 χ^2/NDF: 71.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9456782.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1223962.3/19

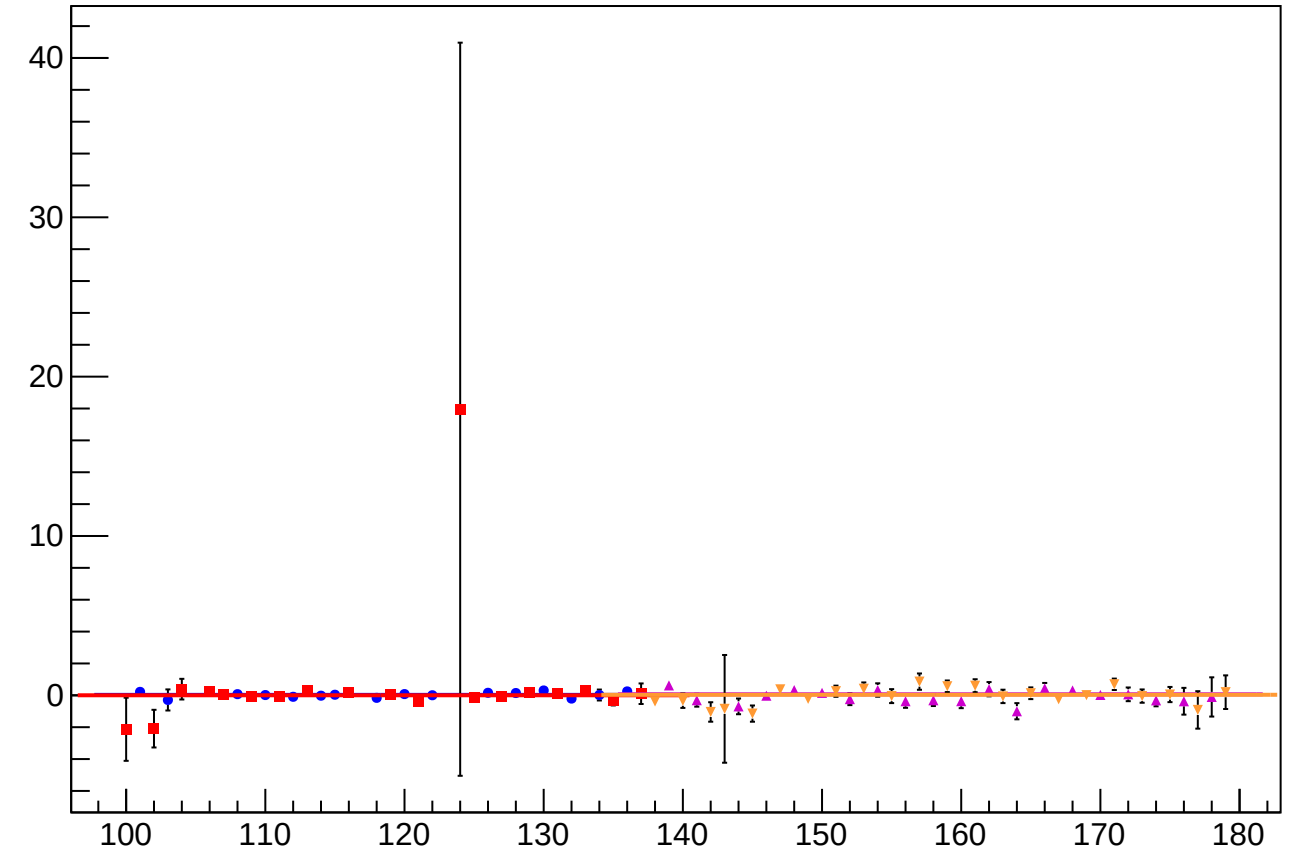
Left: 0.000+/-0.000 χ^2/NDF: 18410031.6/41

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2349478.5/35

Out: 0.000+/-0.000 χ^2/NDF:14275427.8/40

All: 0.000+/-0.000 χ^2/NDF: 26992298.0/76



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.5/19

Left: 0.049+/-0.055 χ^2/NDF: 49.5/41

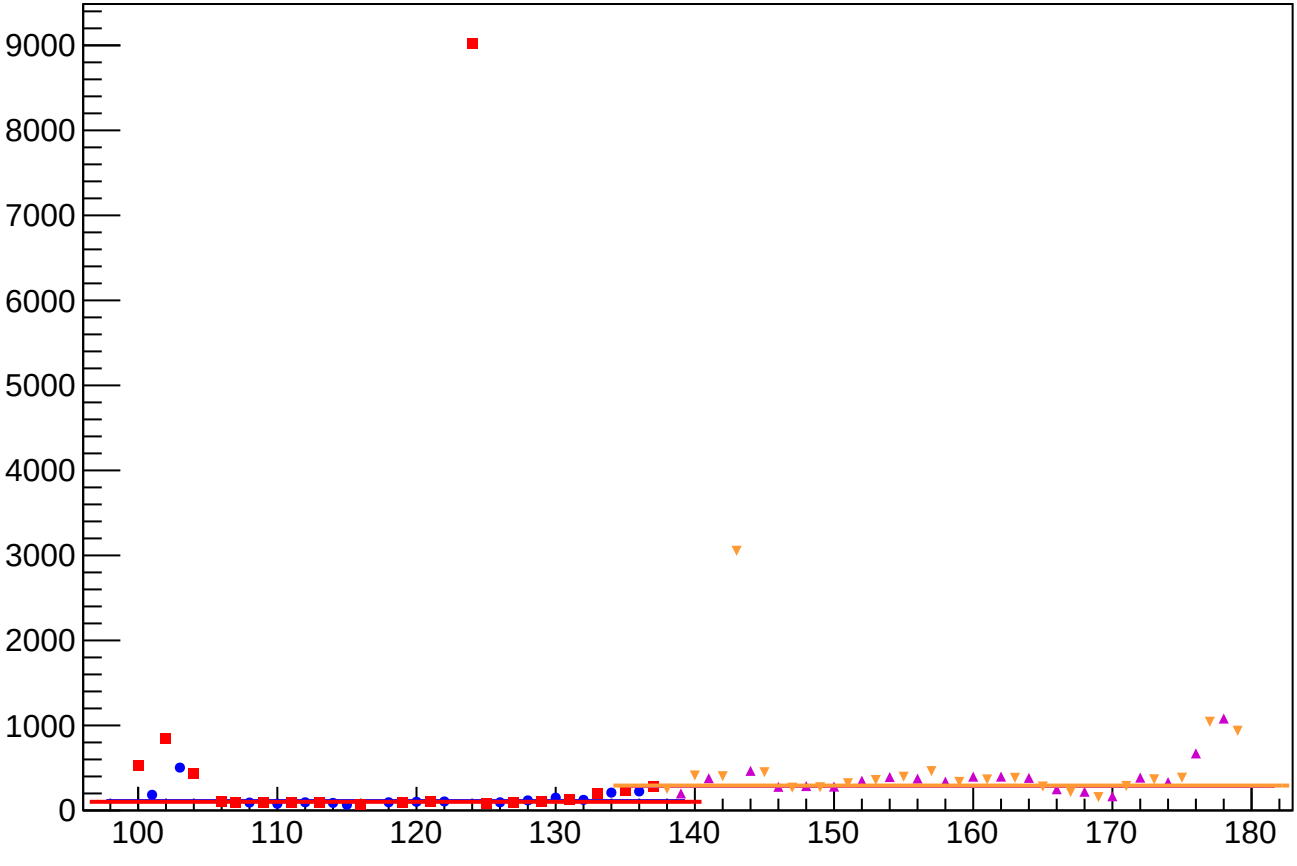
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.024+/-0.027 χ^2/NDF: 81.2/76

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 292.835+/-0.055 χ^2/NDF:5459315.3/21

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 287.543+/-0.054 χ^2/NDF:3658075.0/19

Left: 290.149+/-0.039 χ^2/NDF: 9122074.2/41

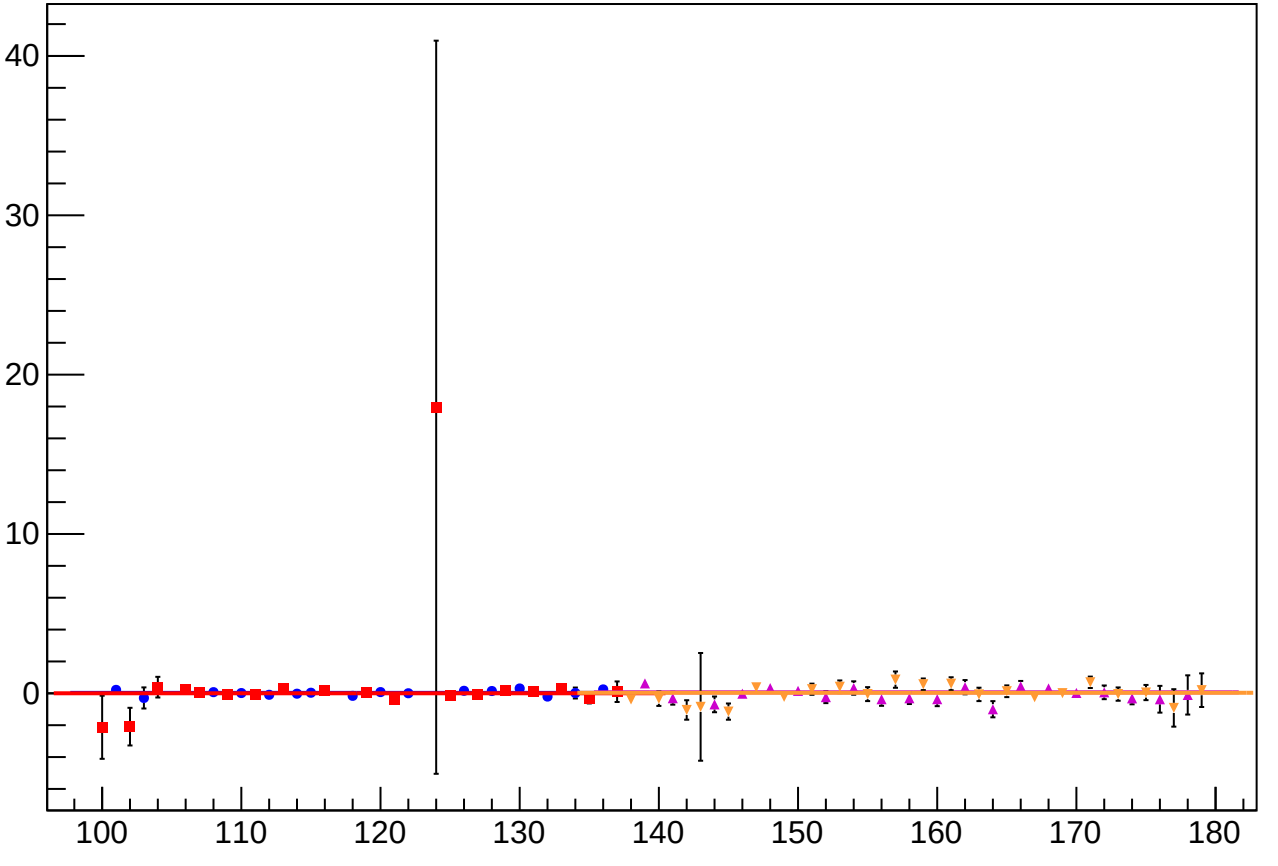
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 155.875+/-0.028 χ^2/NDF:13528974.3/35

Out: 147.044+/-0.027 χ^2/NDF:17225806.8/40

All: 151.331+/-0.019 χ^2/NDF: 30807510.3/76

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.5/19

Left: 0.049+/-0.055 χ^2/NDF: 49.5/41

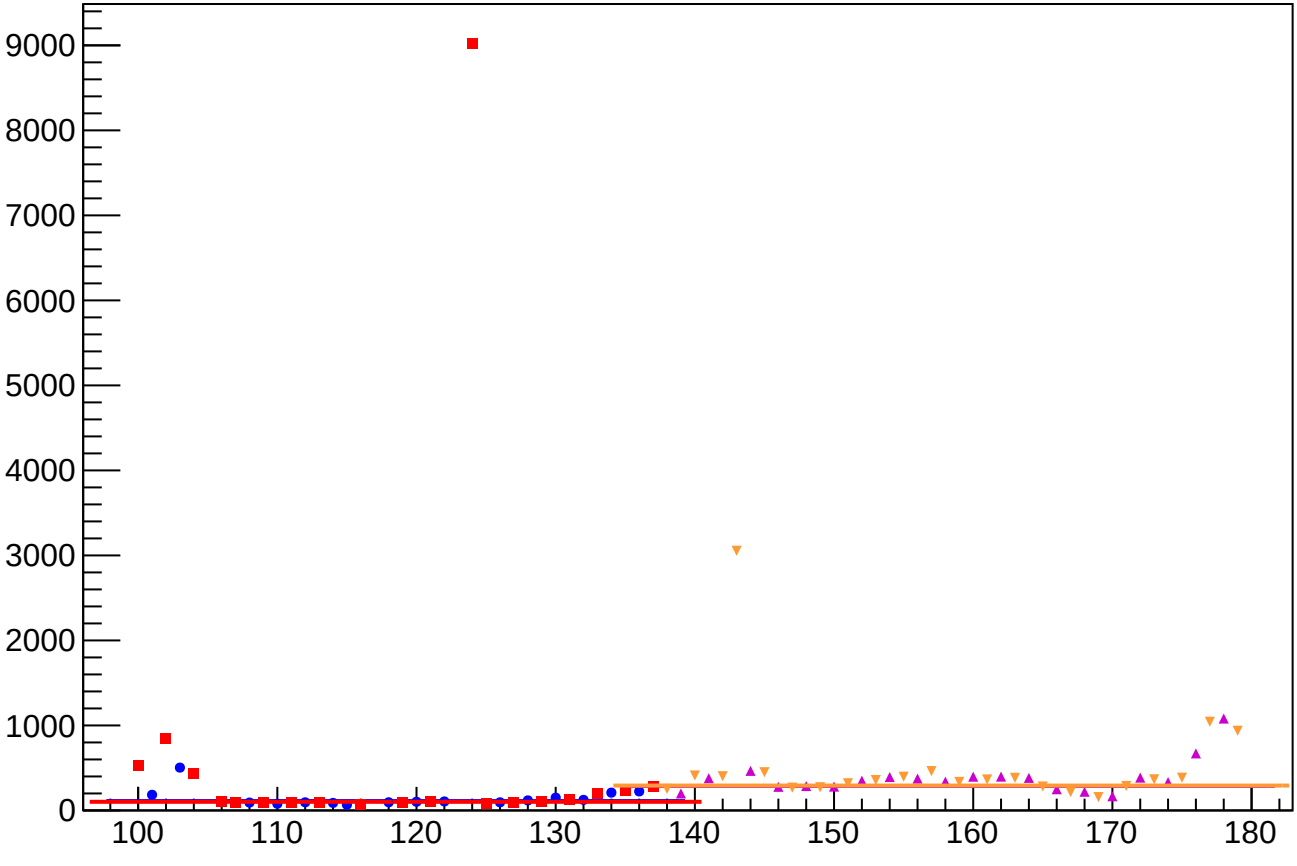
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.024+/-0.027 χ^2/NDF: 81.2/76

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 292.835+/-0.055 χ^2/NDF:5459315.3/21

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 287.543+/-0.054 χ^2/NDF:3658075.0/19

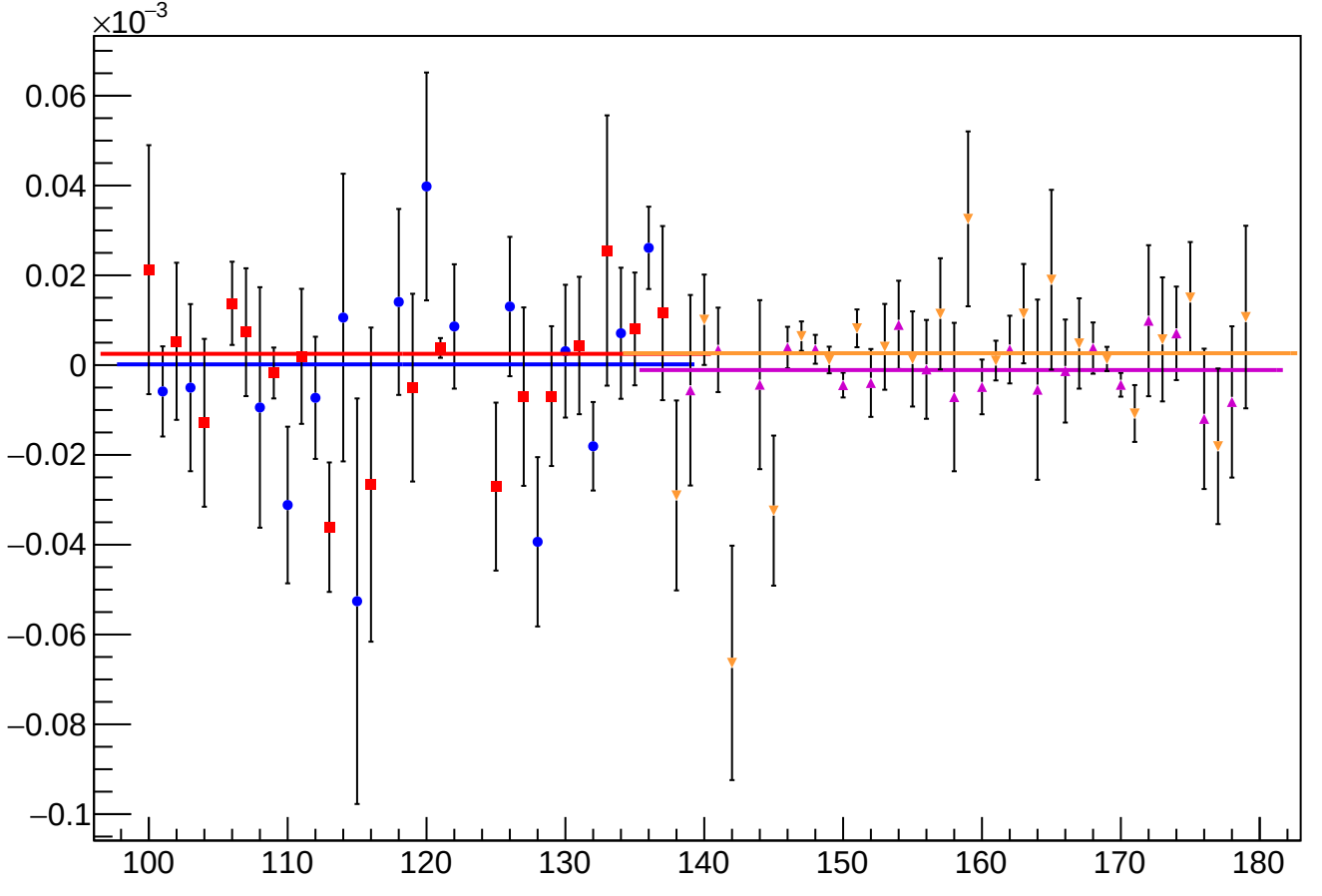
Left: 290.149+/-0.039 χ^2/NDF: 9122074.2/41

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 155.875+/-0.028 χ^2/NDF:13528974.3/35

Out: 147.044+/-0.027 χ^2/NDF:17225806.8/40

All: 151.331+/-0.019 χ^2/NDF: 30807510.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/19

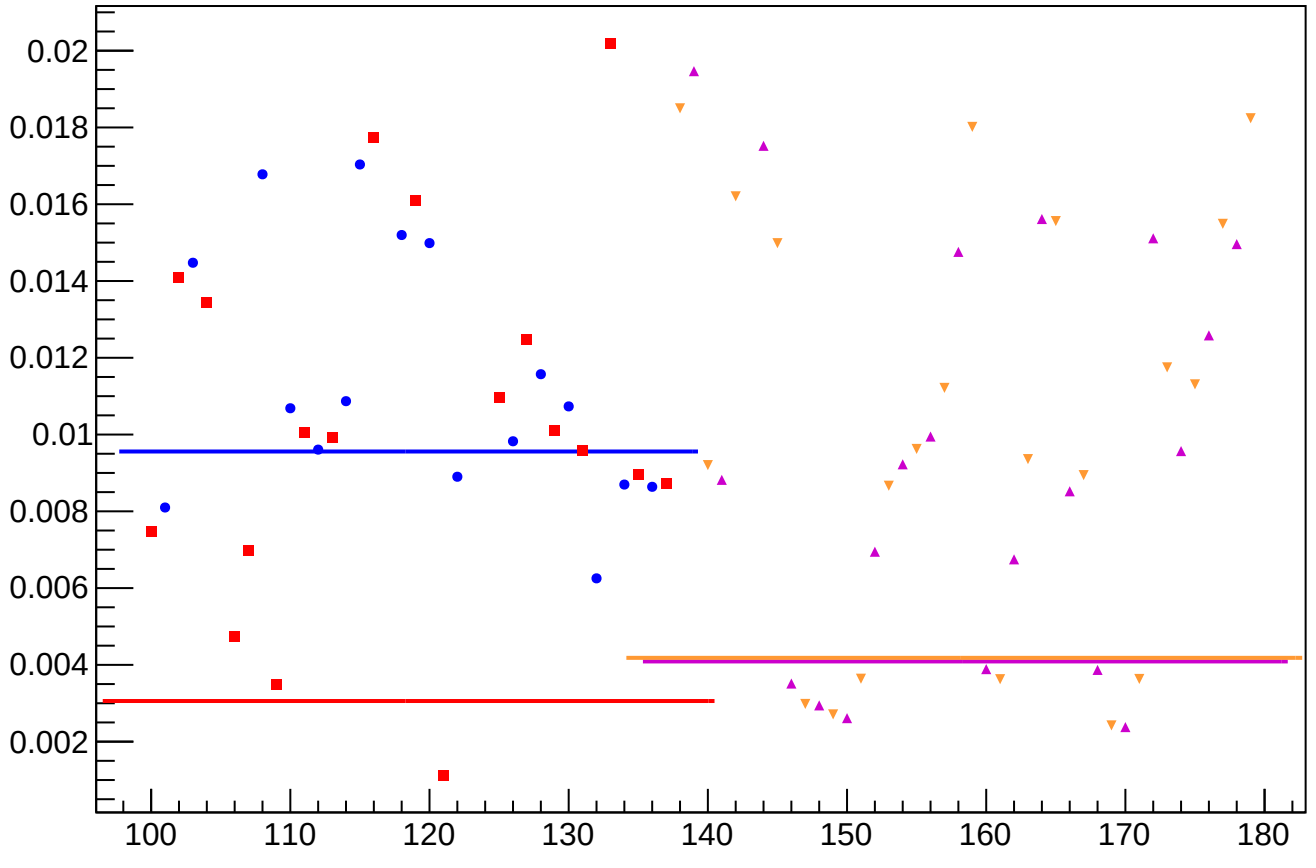
Left: 0.000+/-0.000 χ^2/NDF: 44.4/40

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:36.8/35

Out: 0.000+/-0.000 χ^2/NDF:45.0/38

All: 0.000+/-0.000 χ^2/NDF: 86.5/74



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:11590668.1/20

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10547945.1/19

Left: 0.004+/-0.000 χ^2/NDF: 22143628.1/40

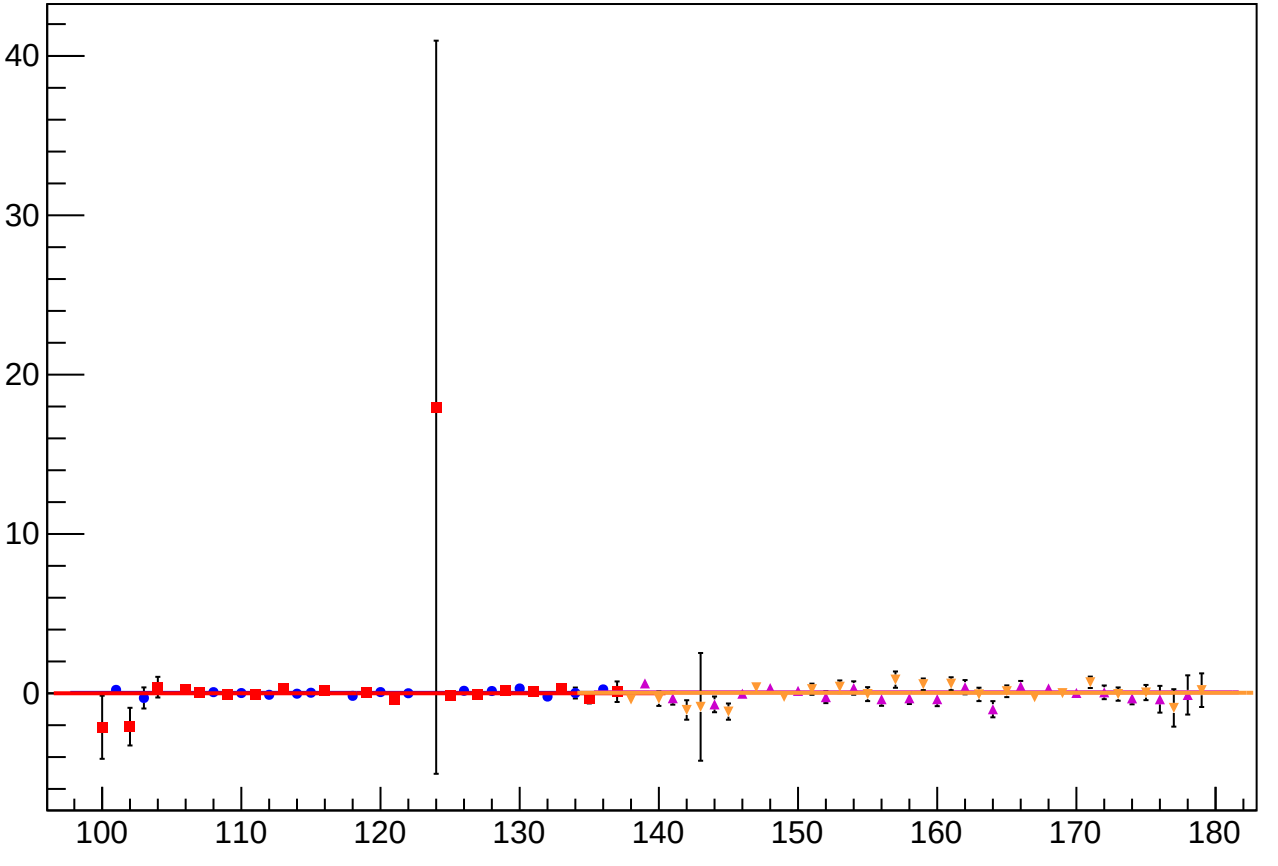
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:15299078.5/35

Out: 0.004+/-0.000 χ^2/NDF:20206370.1/38

All: 0.004+/-0.000 χ^2/NDF: 36106990.7/74

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.5/19

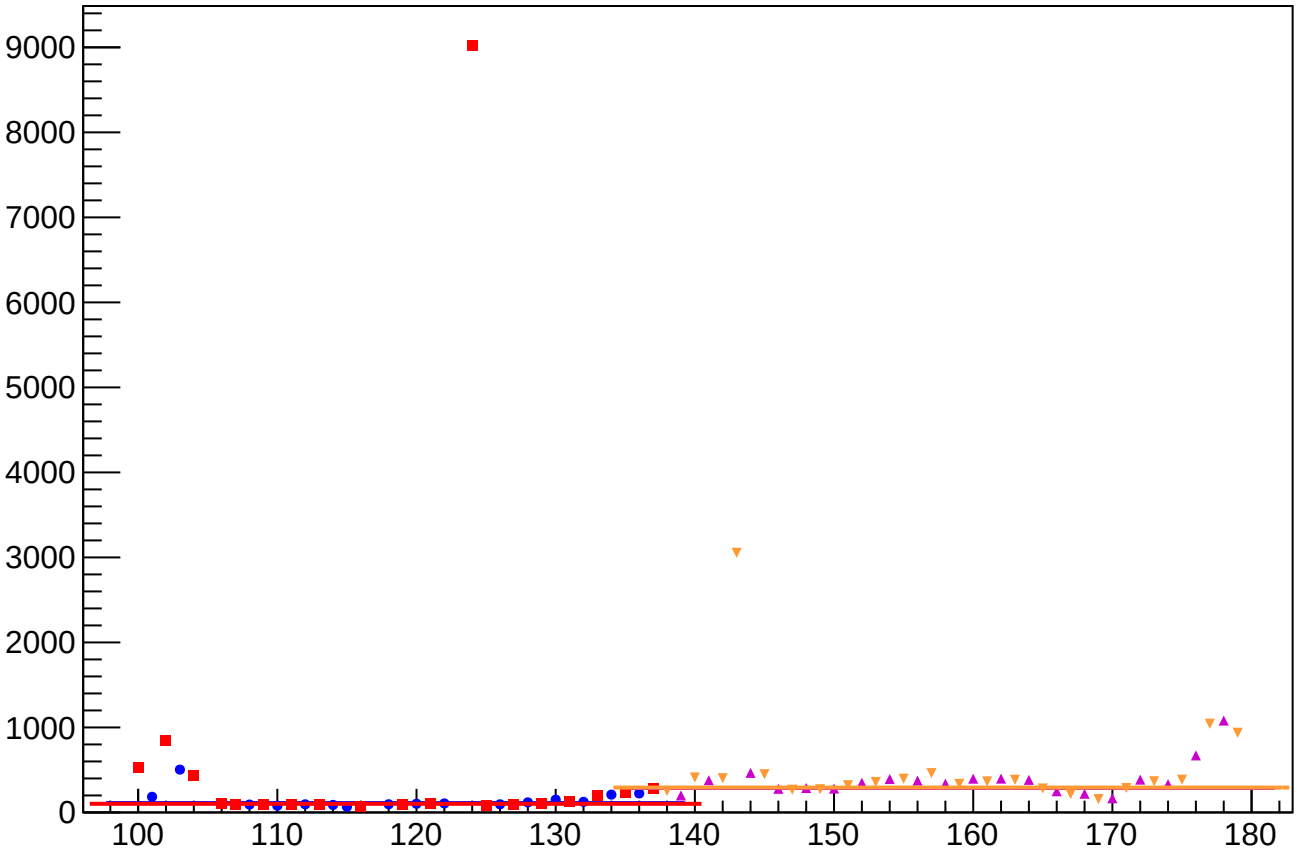
Left: 0.049+/-0.055 χ^2/NDF: 49.5/41

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.024+/-0.027 χ^2/NDF: 81.2/76



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 292.837+/-0.055 χ^2/NDF:5459371.7/21

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 287.546+/-0.054 χ^2/NDF:3658031.0/19

Left: 290.152+/-0.039 χ^2/NDF: 9122083.8/41

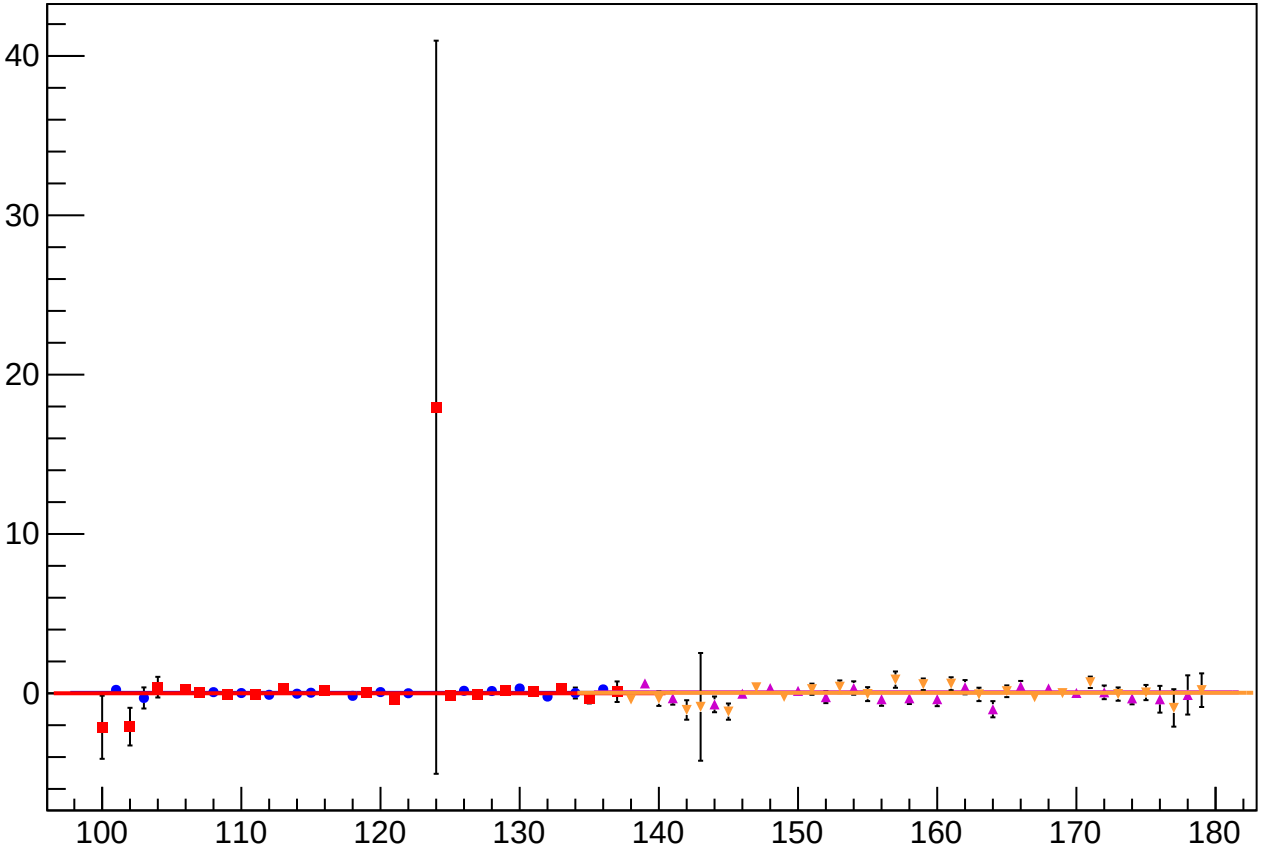
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 155.876+/-0.028 χ^2/NDF:13528913.6/35

Out: 147.046+/-0.027 χ^2/NDF:17225685.7/40

All: 151.333+/-0.019 χ^2/NDF: 30807323.6/76

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.034+/-0.078 χ^2/NDF:27.0/21

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.5/19

Left: 0.049+/-0.055 χ^2/NDF: 49.5/41

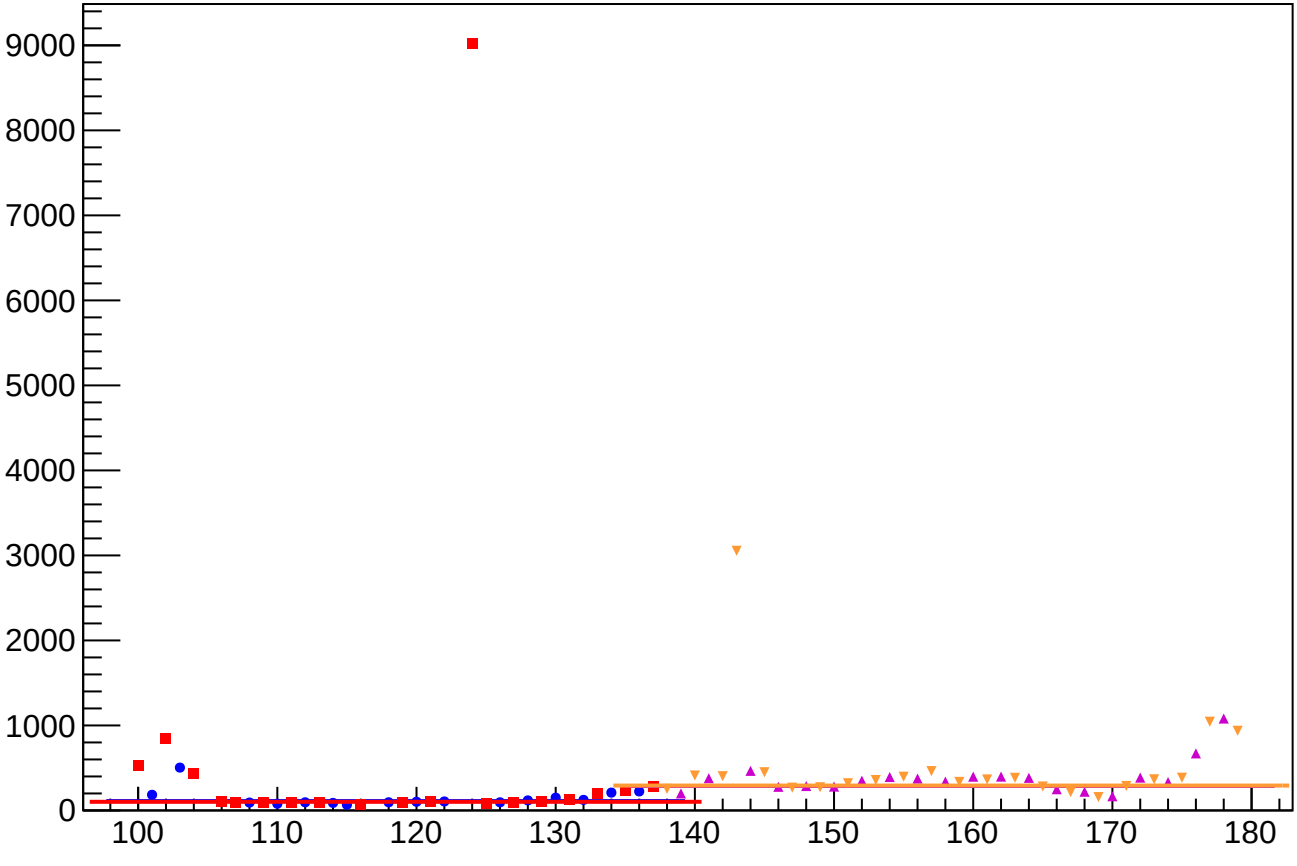
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.011+/-0.038 χ^2/NDF:49.5/40

All: 0.024+/-0.027 χ^2/NDF: 81.2/76

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 292.837+/-0.055 χ^2/NDF:5459371.7/21

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 287.546+/-0.054 χ^2/NDF:3658031.0/19

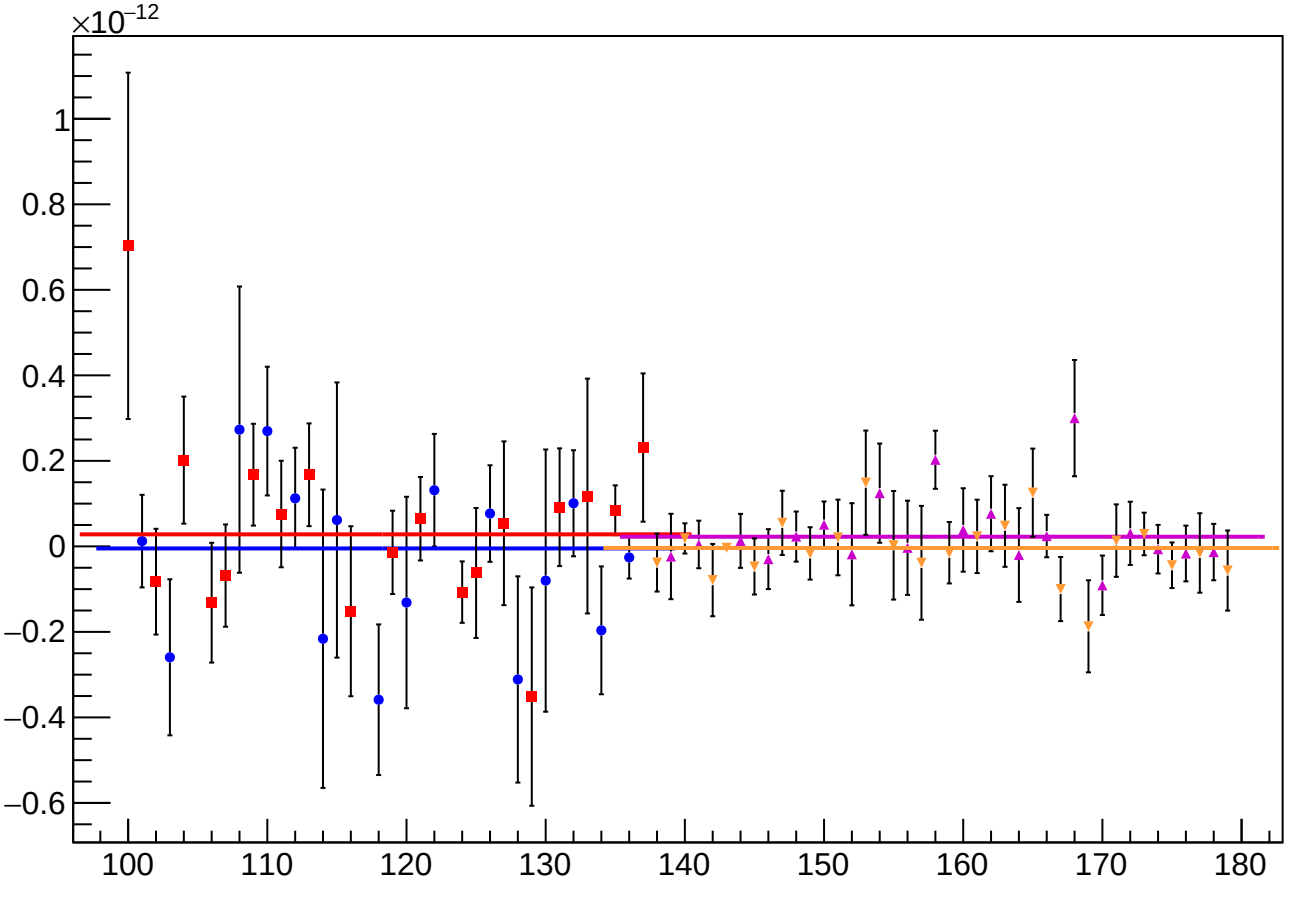
Left: 290.152+/-0.039 χ^2/NDF: 9122083.8/41

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 155.876+/-0.028 χ^2/NDF:13528913.6/35

Out: 147.046+/-0.027 χ^2/NDF:17225685.7/40

All: 151.333+/-0.019 χ^2/NDF: 30807323.6/76



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/19

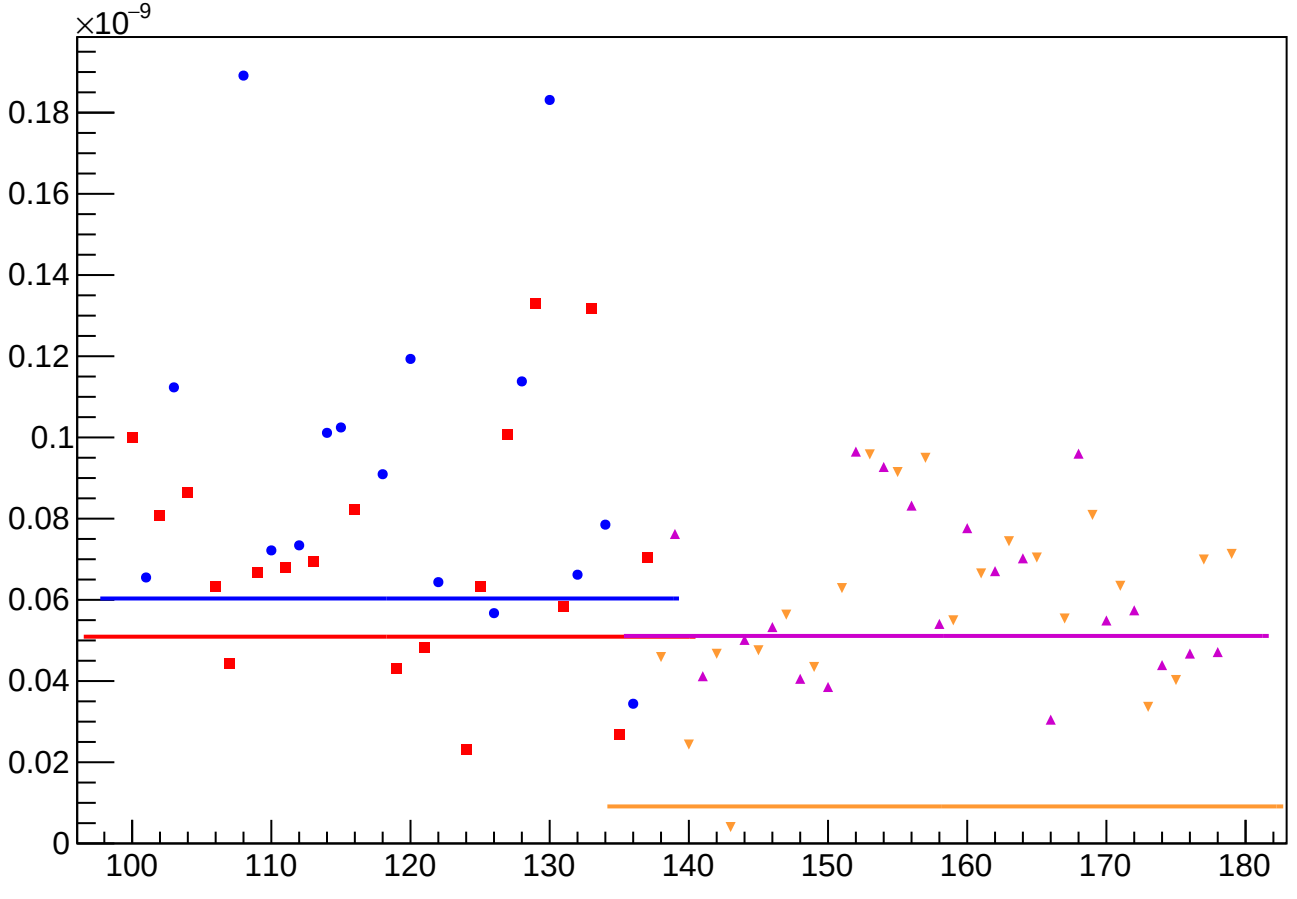
Left: -0.000+/-0.000 χ^2/NDF: 32.0/41

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.5/35

Out: -0.000+/-0.000 χ^2/NDF:33.1/40

All: -0.000+/-0.000 χ^2/NDF: 70.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17244308.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1991833.1/19

Left: 0.000+/-0.000 χ^2/NDF: 31629552.1/41

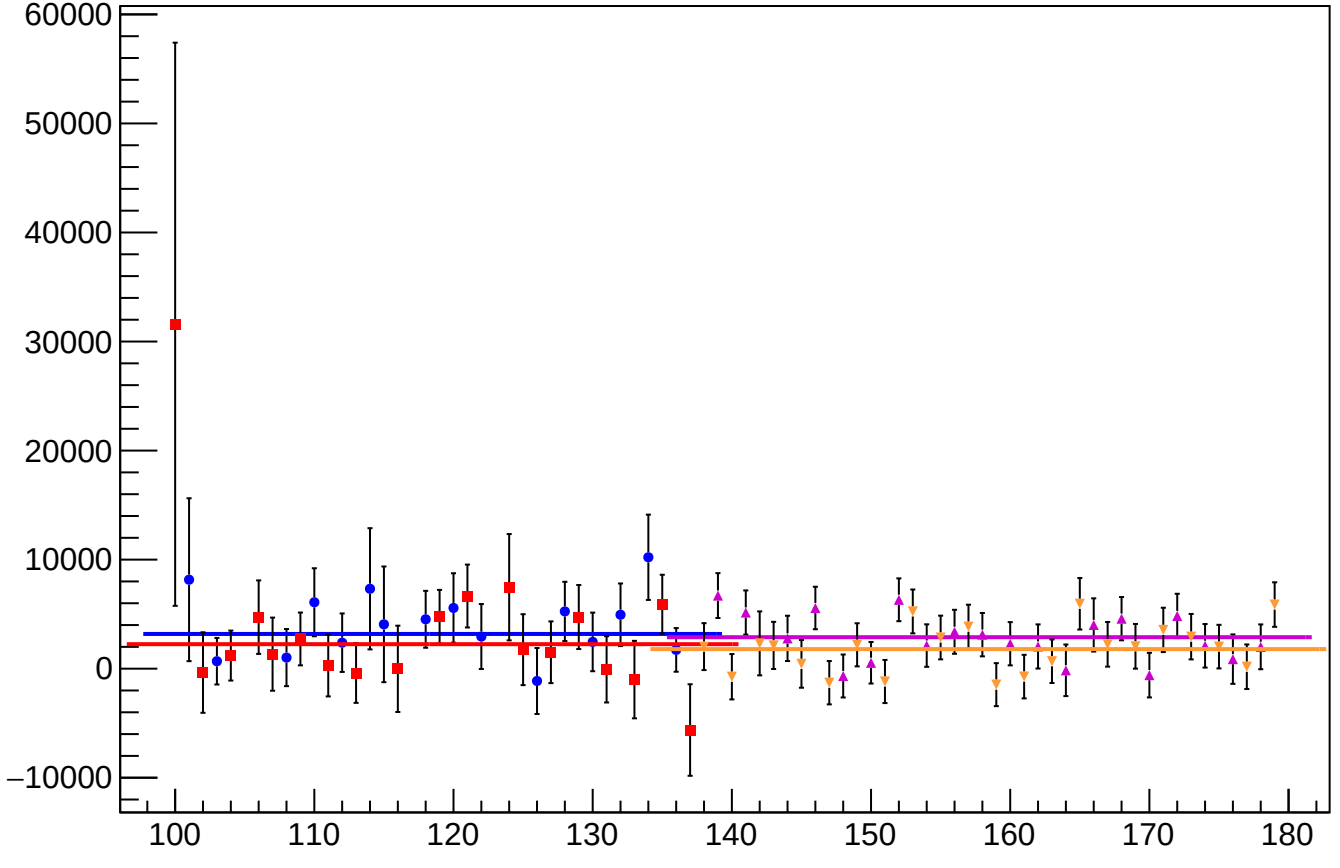
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3872439.0/35

Out: 0.000+/-0.000 χ^2/NDF:23464308.6/40

All: 0.000+/-0.000 χ^2/NDF: 42826064.7/76

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.692+/-442.308 χ^2/NDF:24.4/21

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 2885.901+/-456.725 χ^2/NDF:22.5/19

Left: 2322.803+/-317.734 χ^2/NDF: 49.8/41

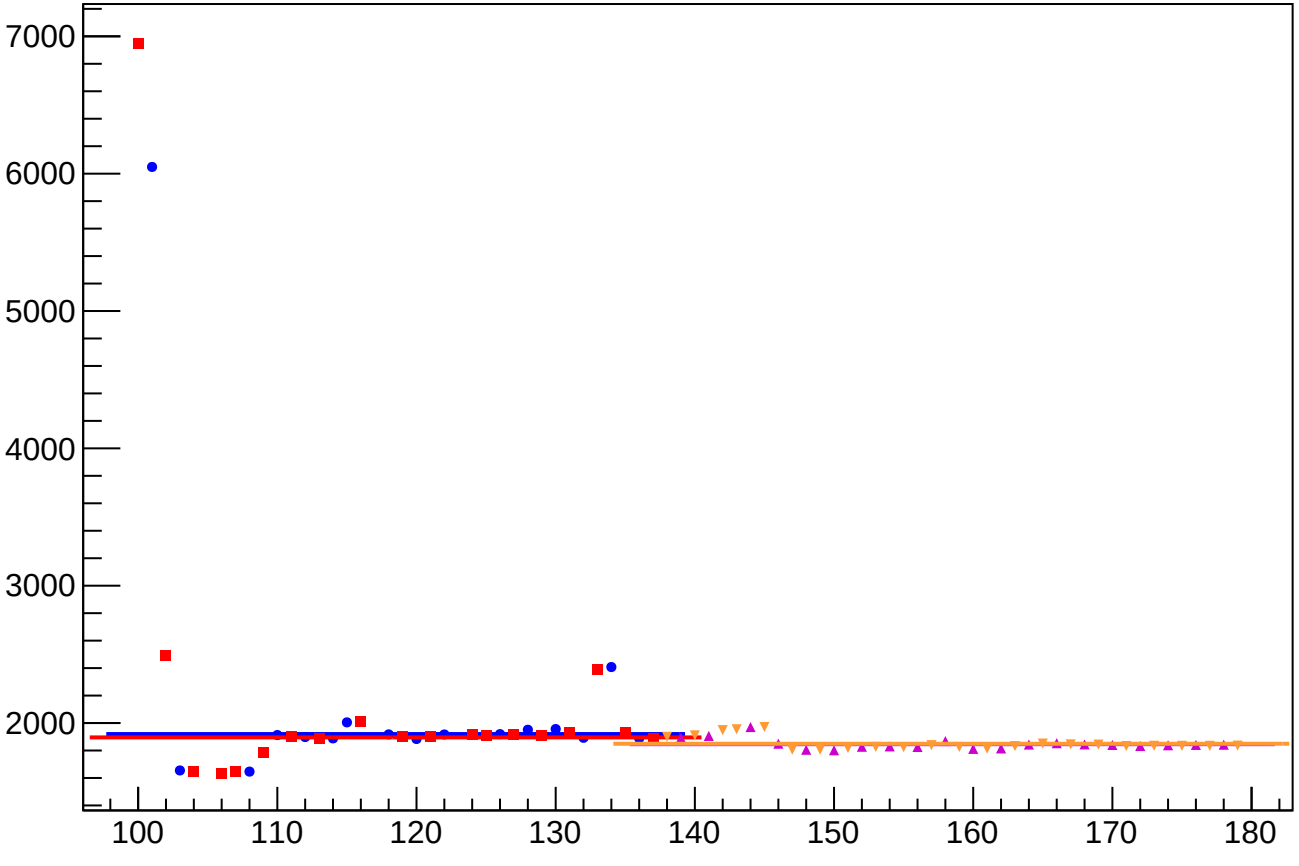
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 2969.492+/-387.357 χ^2/NDF:34.3/35

Out: 1920.654+/-375.553 χ^2/NDF:41.2/40

All: 2428.849+/-269.633 χ^2/NDF: 79.3/76

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

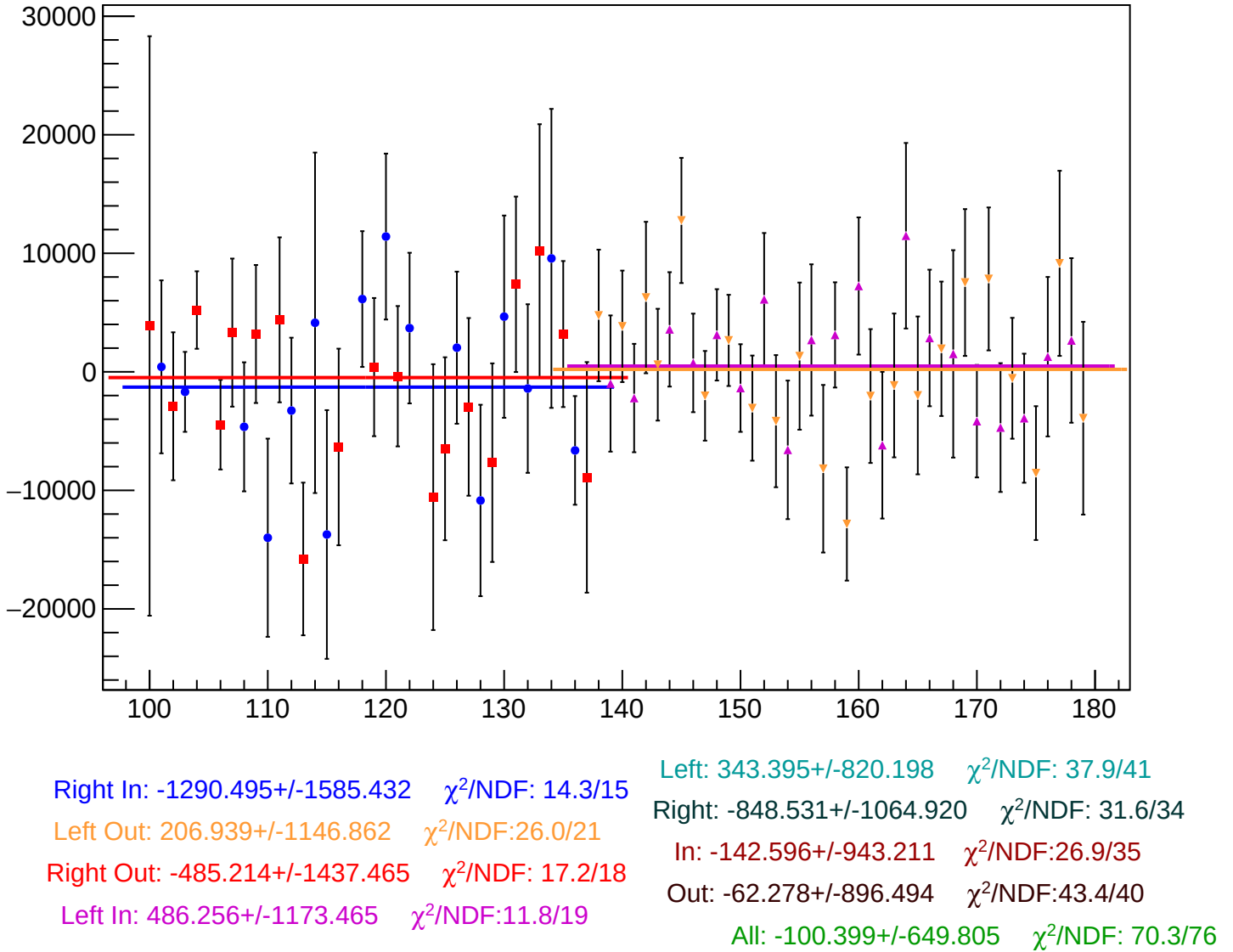
Left: 1847.742+/-0.225 χ^2/NDF: 34661.8/41

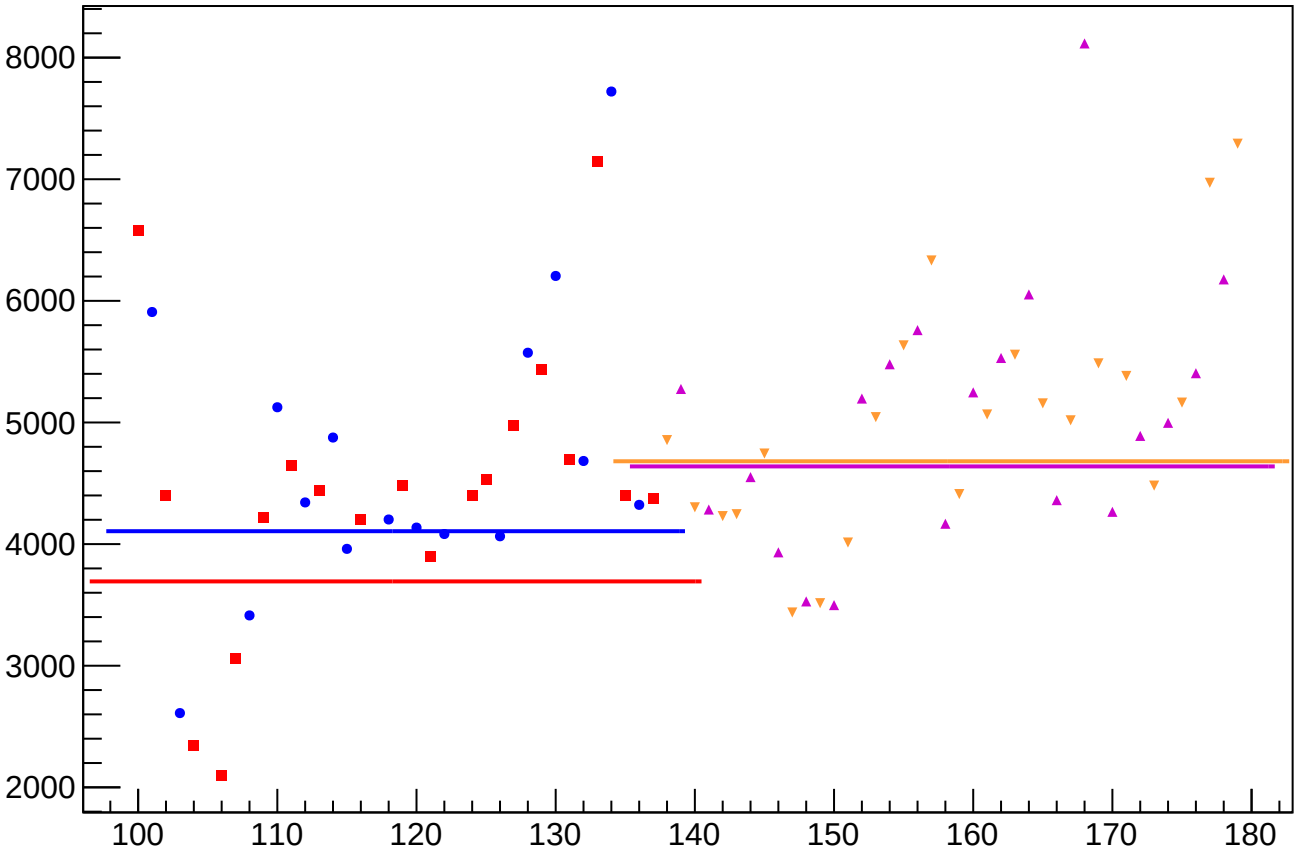
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1866.828+/-0.274 χ^2/NDF:725856.5/35

Out: 1862.175+/-0.265 χ^2/NDF:249073.3/40

All: 1864.427+/-0.191 χ^2/NDF: 975078.7/76


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: 206.939+/-1146.862 χ²/NDF:26.0/21
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 486.256+/-1173.465 χ²/NDF:11.8/19
Left: 343.395+/-820.198 χ²/NDF: 37.9/41
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -142.596+/-943.211 χ²/NDF:26.9/35
Out: -62.278+/-896.494 χ²/NDF:43.4/40
All: -100.399+/-649.805 χ²/NDF: 70.3/76



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4681.087+/-0.811 χ^2/NDF:1183617.2/21

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4638.790+/-0.830 χ^2/NDF:1195504.9/19

Left: 4660.423+/-0.580 χ^2/NDF: 2380451.1/41

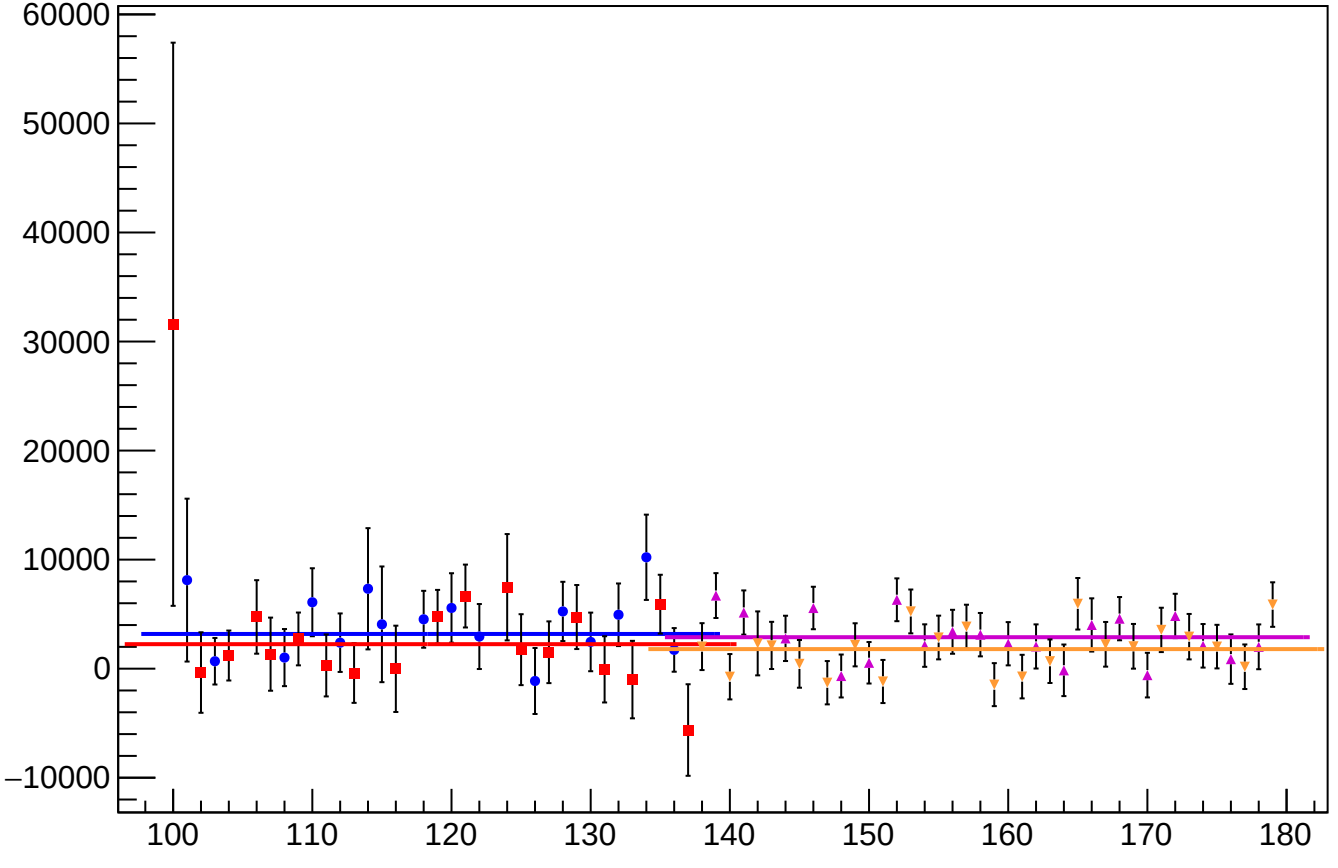
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4450.268+/-0.667 χ^2/NDF:2297480.8/35

Out: 4296.868+/-0.634 χ^2/NDF:3117378.1/40

All: 4369.675+/-0.459 χ^2/NDF: 5442651.6/76

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2885.869+/-456.725 χ^2/NDF:22.5/19

Left: 2322.748+/-317.734 χ^2/NDF: 49.8/41

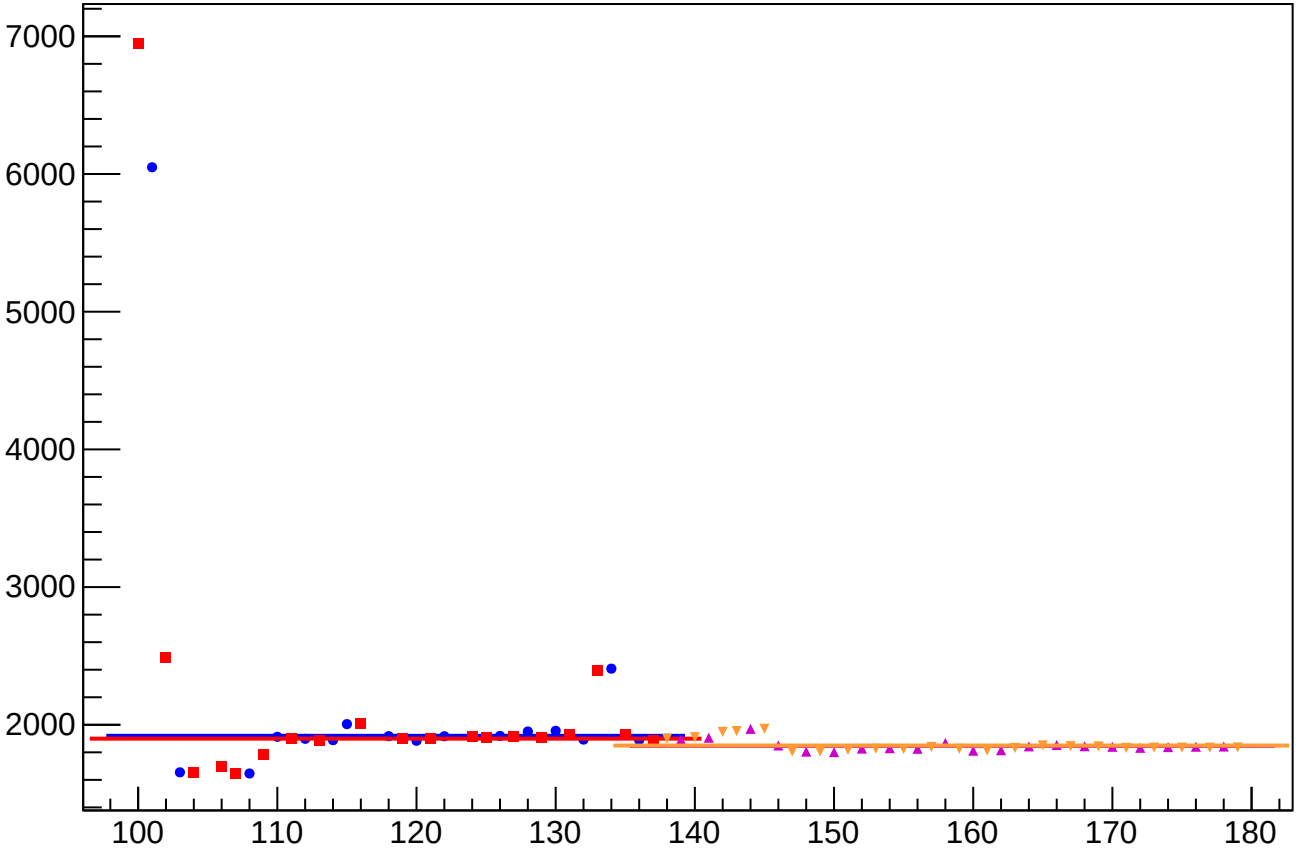
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2969.264+/-387.357 χ^2/NDF:34.3/35

Out: 1920.916+/-375.554 χ^2/NDF:41.2/40

All: 2428.874+/-269.633 χ^2/NDF: 79.3/76

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

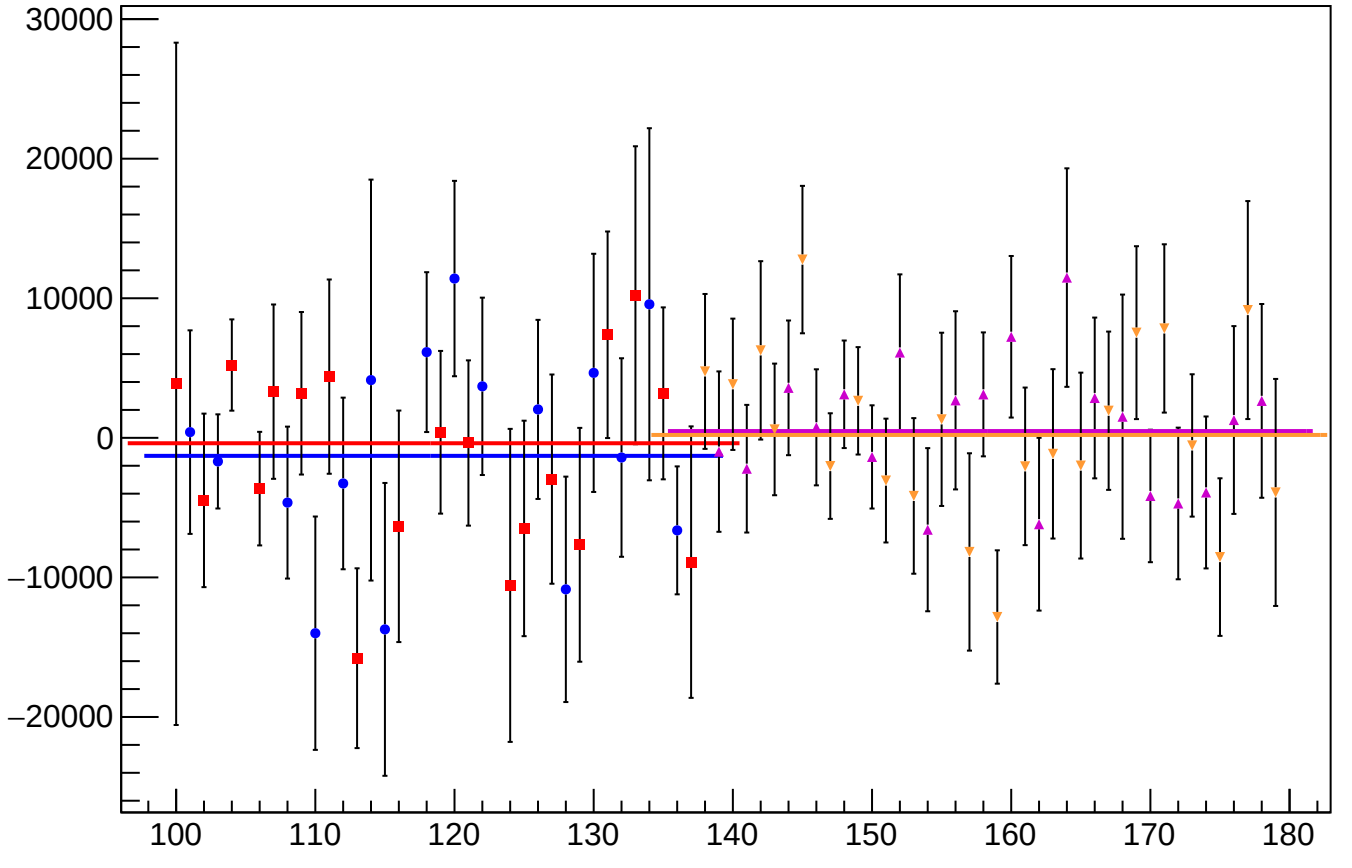
Left: 1847.742+/-0.225 χ^2/NDF: 34661.8/41

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1866.828+/-0.274 χ^2/NDF:725855.8/35

Out: 1863.259+/-0.265 χ^2/NDF:243538.4/40

All: 1864.987+/-0.191 χ^2/NDF: 969481.7/76



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 486.261+/-1173.466 χ^2/NDF:11.8/19

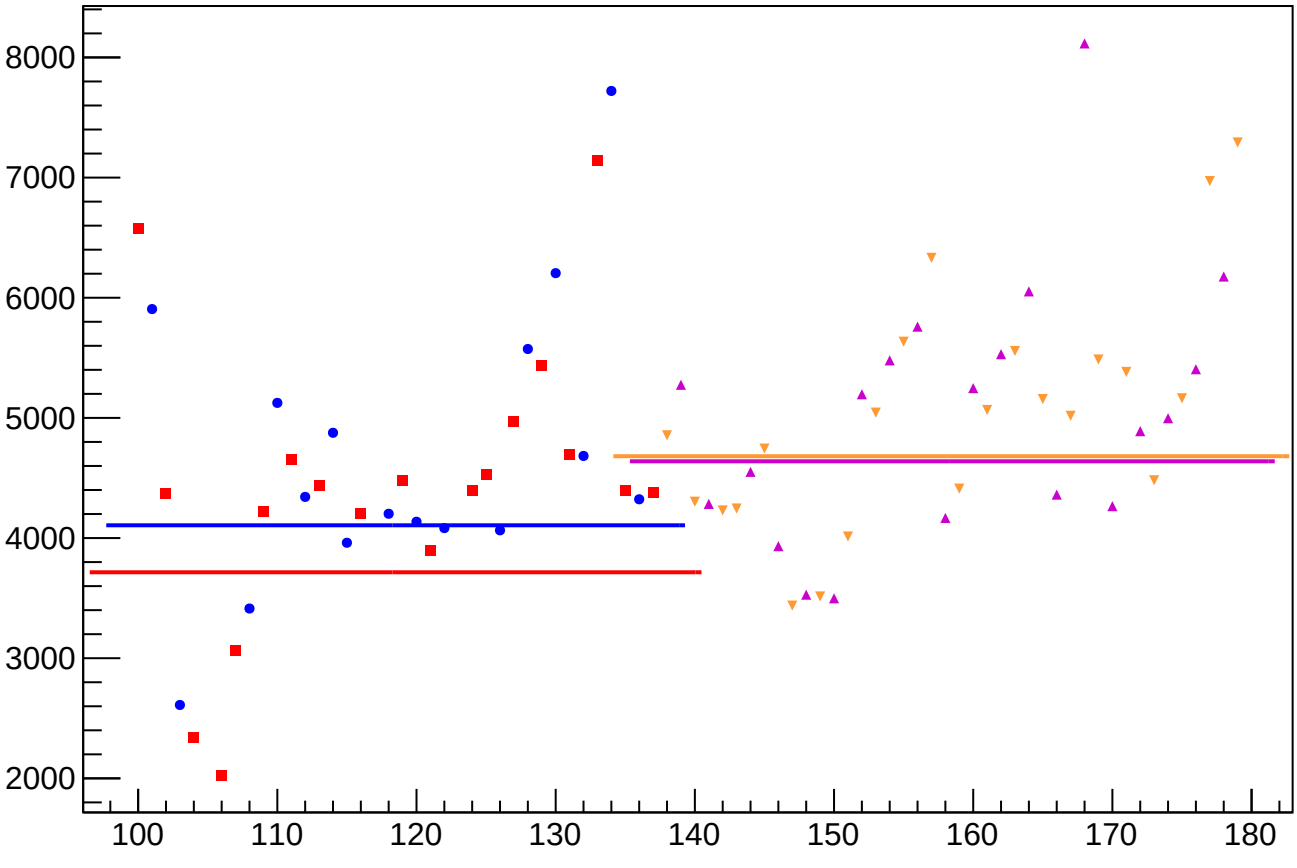
Left: 343.386+/-820.197 χ^2/NDF: 37.9/41

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -142.723+/-943.212 χ^2/NDF:26.9/35

Out: -21.588+/-899.874 χ^2/NDF:43.1/40

All: -79.308+/-651.089 χ^2/NDF: 70.0/76



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

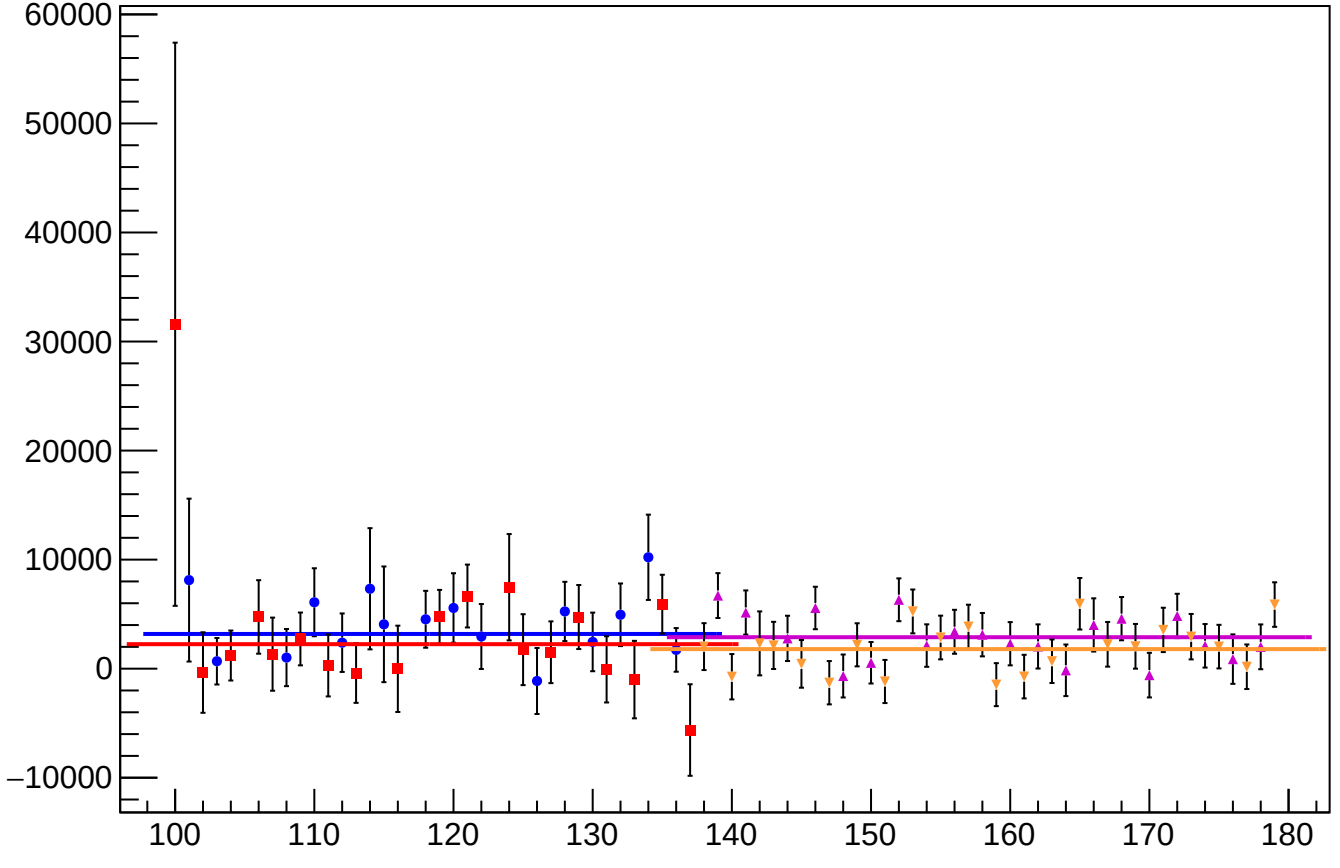
Left: 4660.420+/-0.580 χ^2/NDF: 2380473.3/41

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4450.303+/-0.667 χ^2/NDF:2296929.6/35

Out: 4309.856+/-0.636 χ^2/NDF:3063951.9/40

All: 4376.779+/-0.460 χ^2/NDF: 5384095.6/76



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1794.616+/-442.308 χ^2/NDF:24.4/21

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2885.869+/-456.725 χ^2/NDF:22.5/19

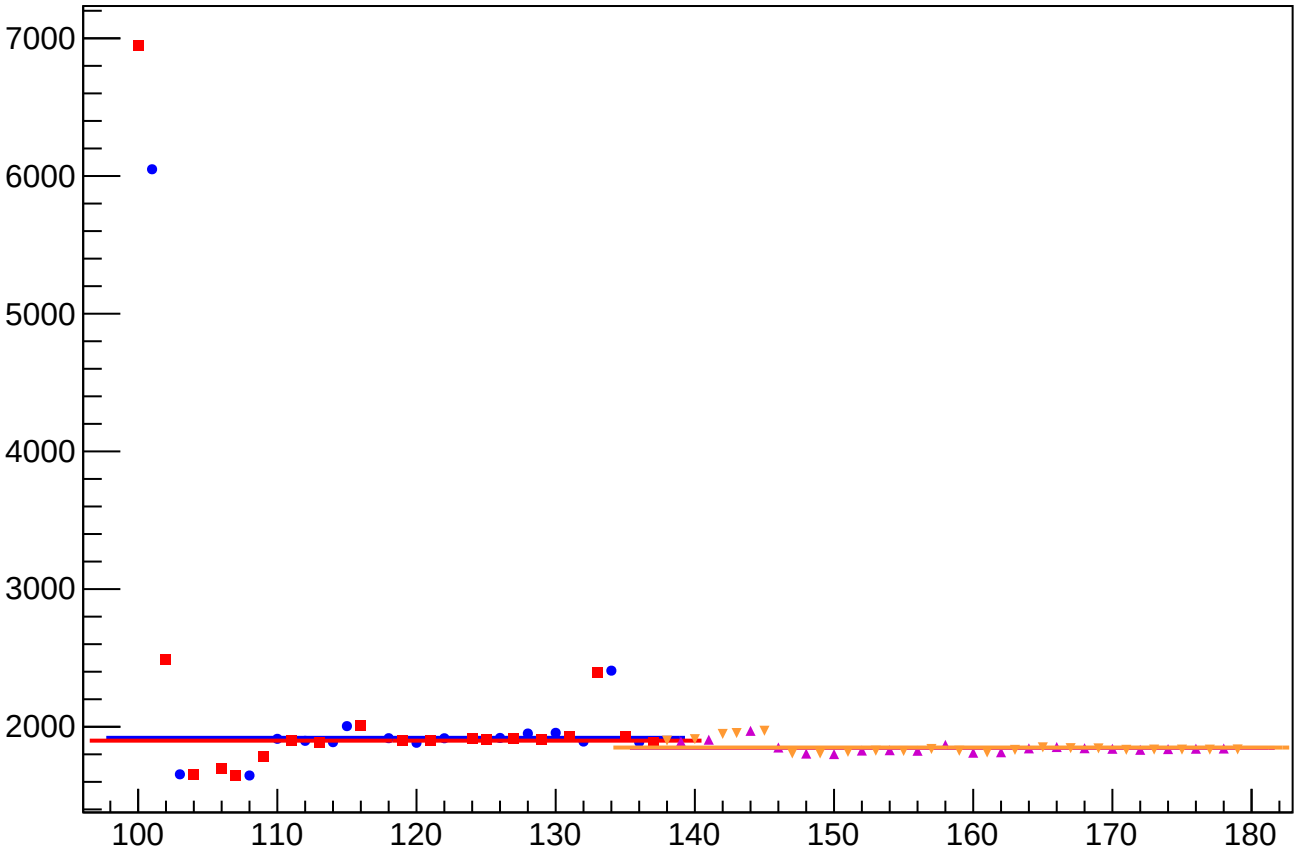
Left: 2322.748+/-317.734 χ^2/NDF: 49.8/41

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2969.264+/-387.357 χ^2/NDF:34.3/35

Out: 1920.916+/-375.554 χ^2/NDF:41.2/40

All: 2428.874+/-269.633 χ^2/NDF: 79.3/76



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.239+/-0.313 χ^2/NDF:20699.9/21

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.146+/-0.323 χ^2/NDF:13914.6/19

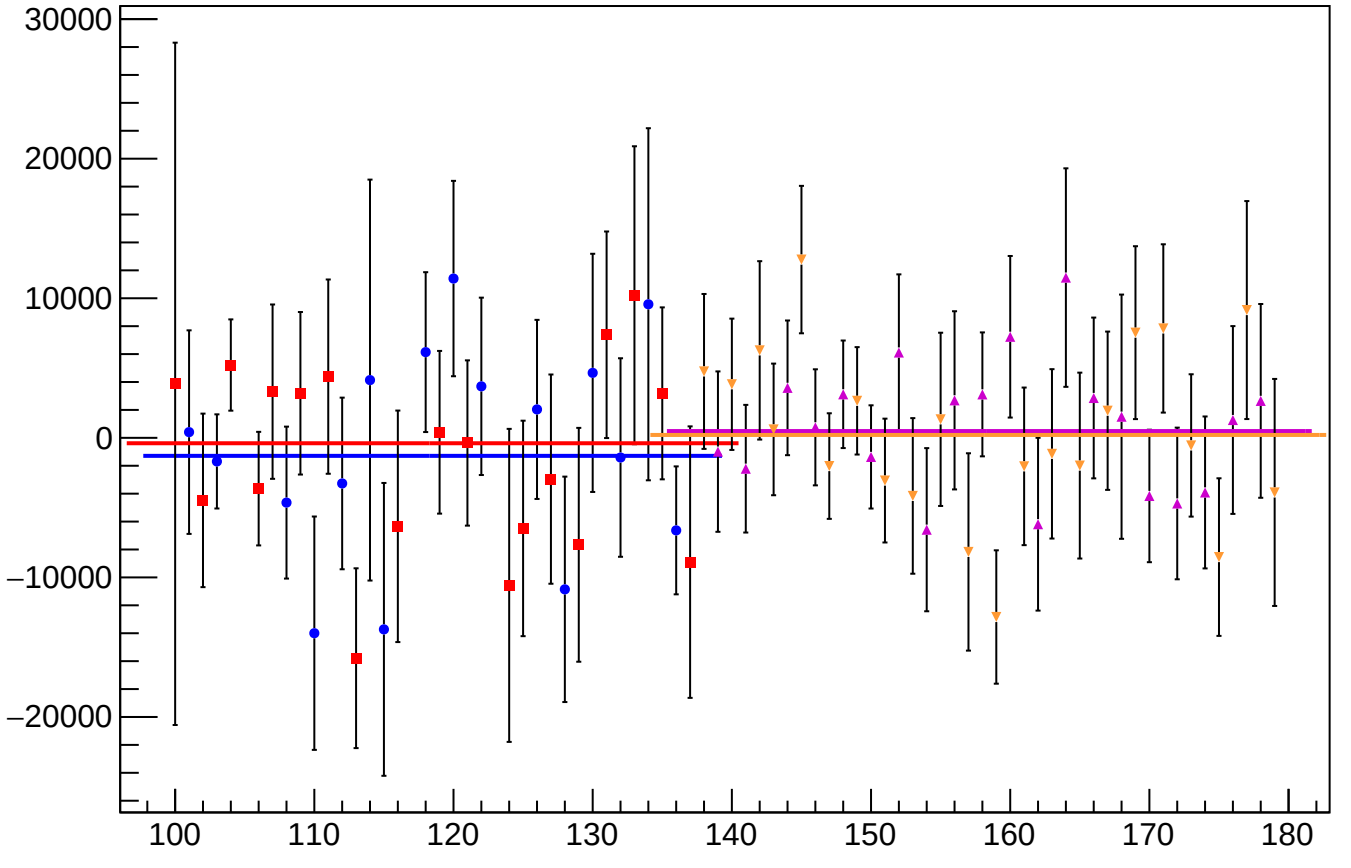
Left: 1847.742+/-0.225 χ^2/NDF: 34661.8/41

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1866.828+/-0.274 χ^2/NDF:725855.8/35

Out: 1863.259+/-0.265 χ^2/NDF:243538.4/40

All: 1864.987+/-0.191 χ^2/NDF: 969481.7/76



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 206.917+/-1146.860 χ^2/NDF:26.0/21

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 486.261+/-1173.466 χ^2/NDF:11.8/19

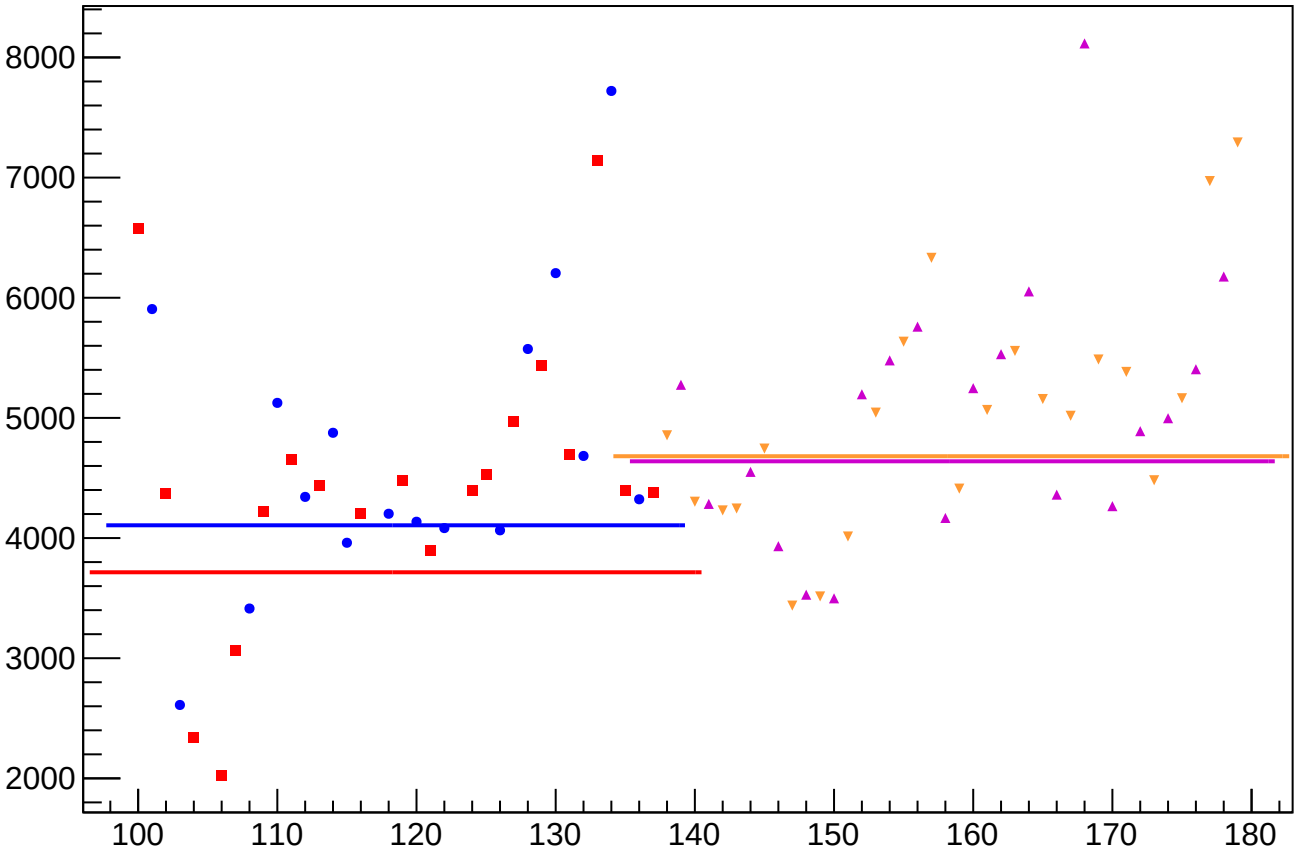
Left: 343.386+/-820.197 χ^2/NDF: 37.9/41

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -142.723+/-943.212 χ^2/NDF:26.9/35

Out: -21.588+/-899.874 χ^2/NDF:43.1/40

All: -79.308+/-651.089 χ^2/NDF: 70.0/76



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4681.077+/-0.811 χ^2/NDF:1183643.0/21

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

Left: 4660.420+/-0.580 χ^2/NDF: 2380473.3/41

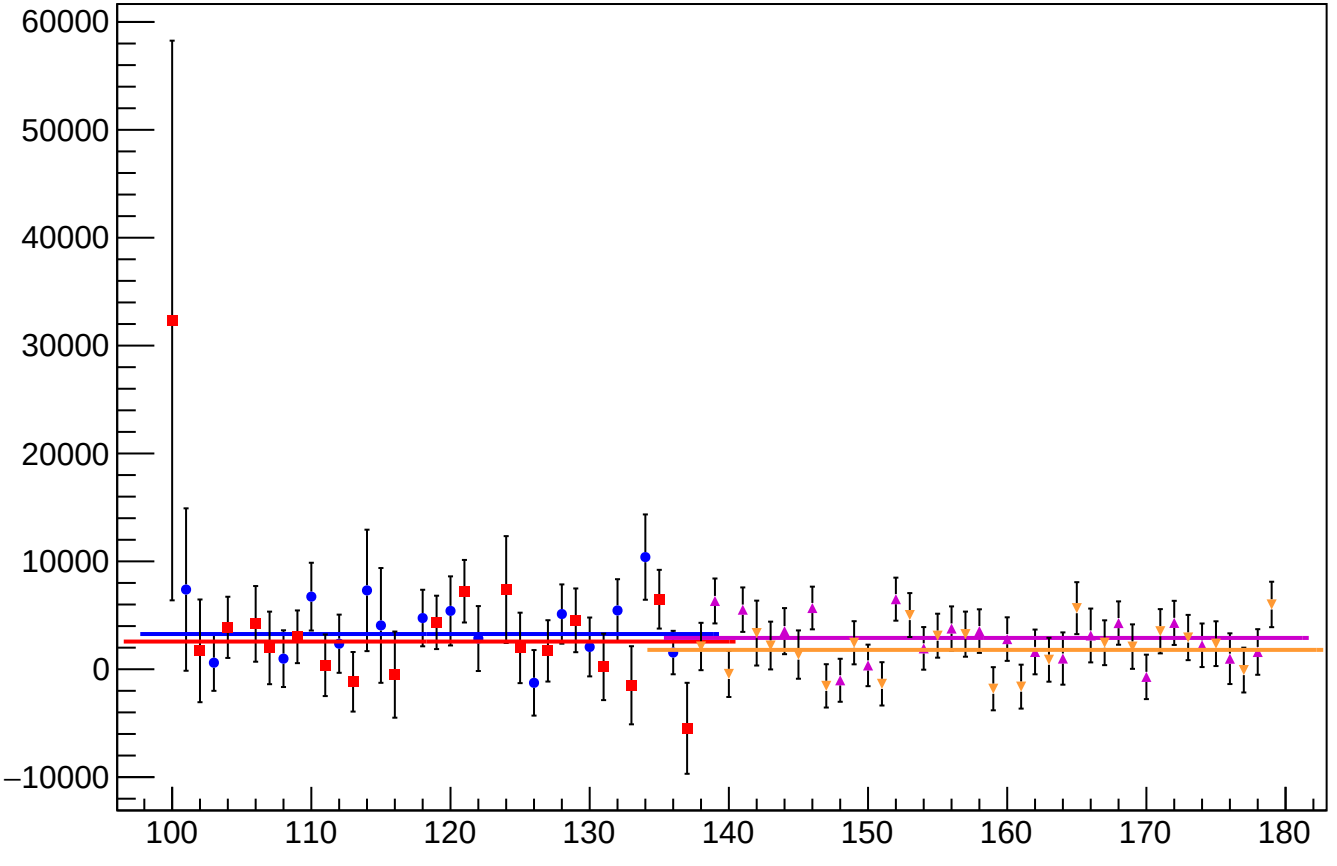
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4450.303+/-0.667 χ^2/NDF:2296929.6/35

Out: 4309.856+/-0.636 χ^2/NDF:3063951.9/40

All: 4376.779+/-0.460 χ^2/NDF: 5384095.6/76

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.532+/-450.687 χ^2/NDF:25.0/21

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 2901.714+/-464.552 χ^2/NDF:22.0/19

Left: 2331.354+/-323.474 χ^2/NDF: 49.9/41

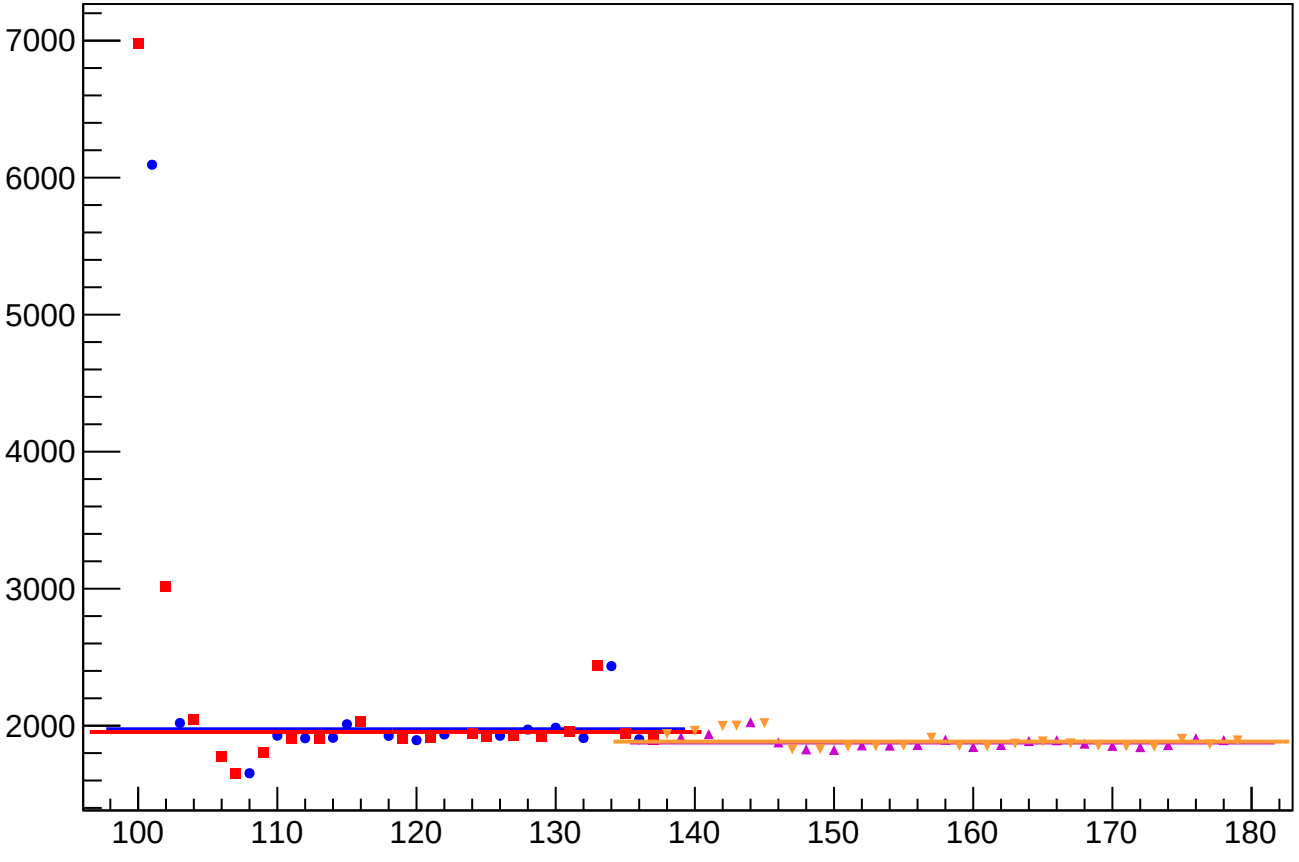
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3002.178+/-395.056 χ^2/NDF:34.3/35

Out: 2005.574+/-384.191 χ^2/NDF:42.9/40

All: 2489.984+/-275.425 χ^2/NDF: 80.4/76

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.919+/-0.319 χ^2/NDF:28134.6/21

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

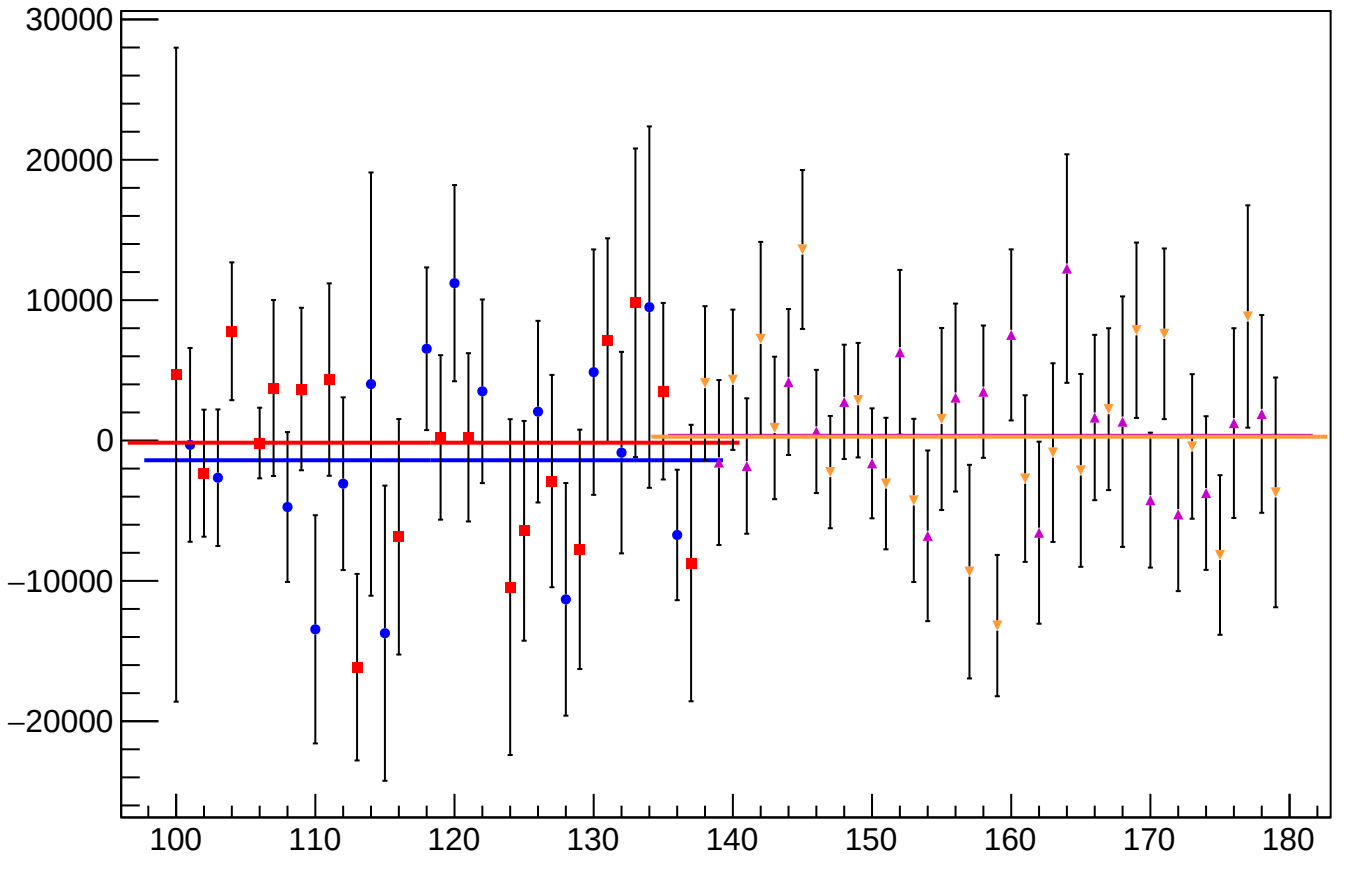
Left: 1880.837+/-0.229 χ^2/NDF: 46433.1/41

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.189+/-0.279 χ^2/NDF:706963.6/35

Out: 1903.190+/-0.272 χ^2/NDF:287708.7/40

All: 1903.676+/-0.195 χ^2/NDF: 994678.8/76



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 271.852+/-1196.147 χ^2/NDF:25.5/21

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 335.919+/-1222.803 χ^2/NDF:11.8/19

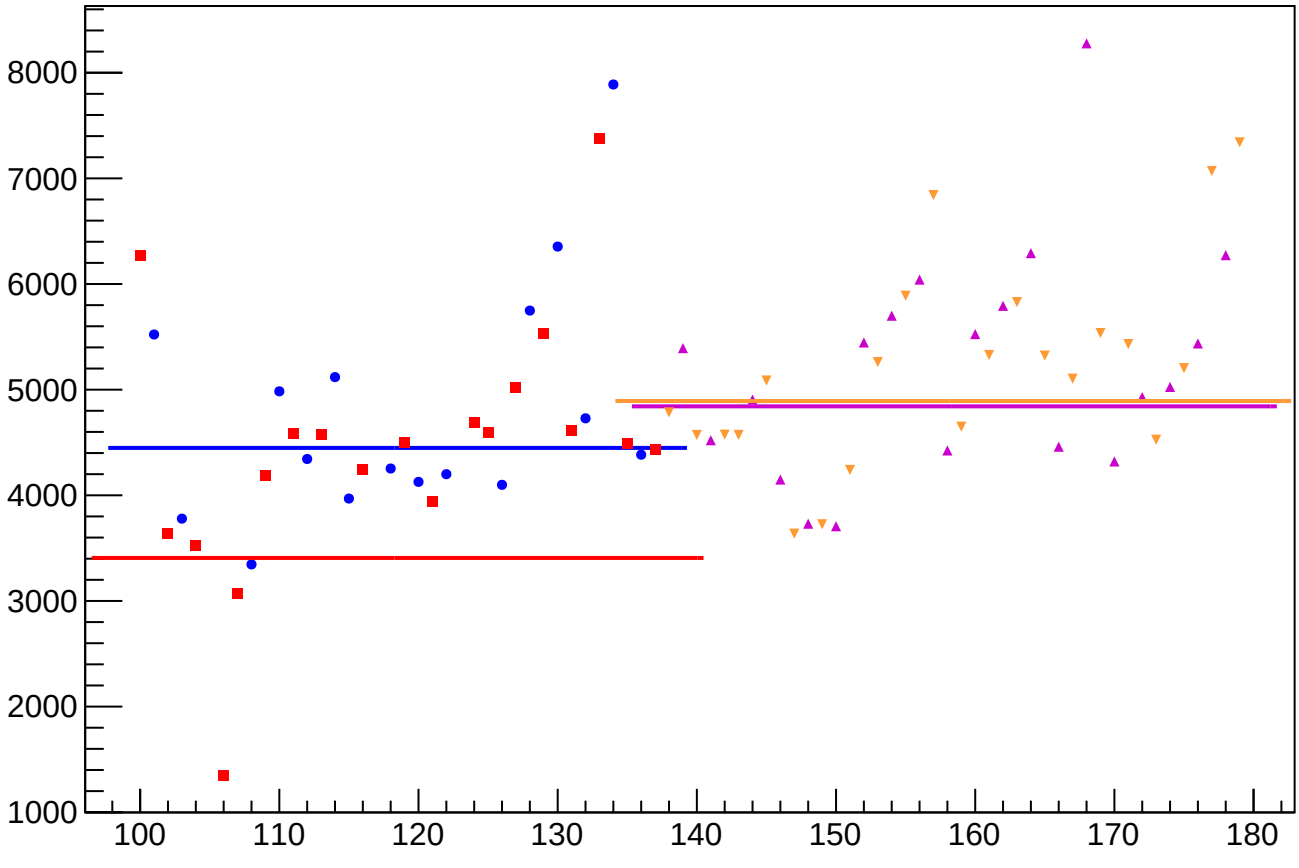
Left: 303.180+/-855.072 χ^2/NDF: 37.3/41

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -263.134+/-990.673 χ^2/NDF:26.7/35

Out: 86.119+/-899.225 χ^2/NDF:41.4/40

All: -71.647+/-665.836 χ^2/NDF: 68.1/76



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4892.562+/-0.846 χ^2/NDF:1061785.5/21

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4841.977+/-0.865 χ^2/NDF:1094990.2/19

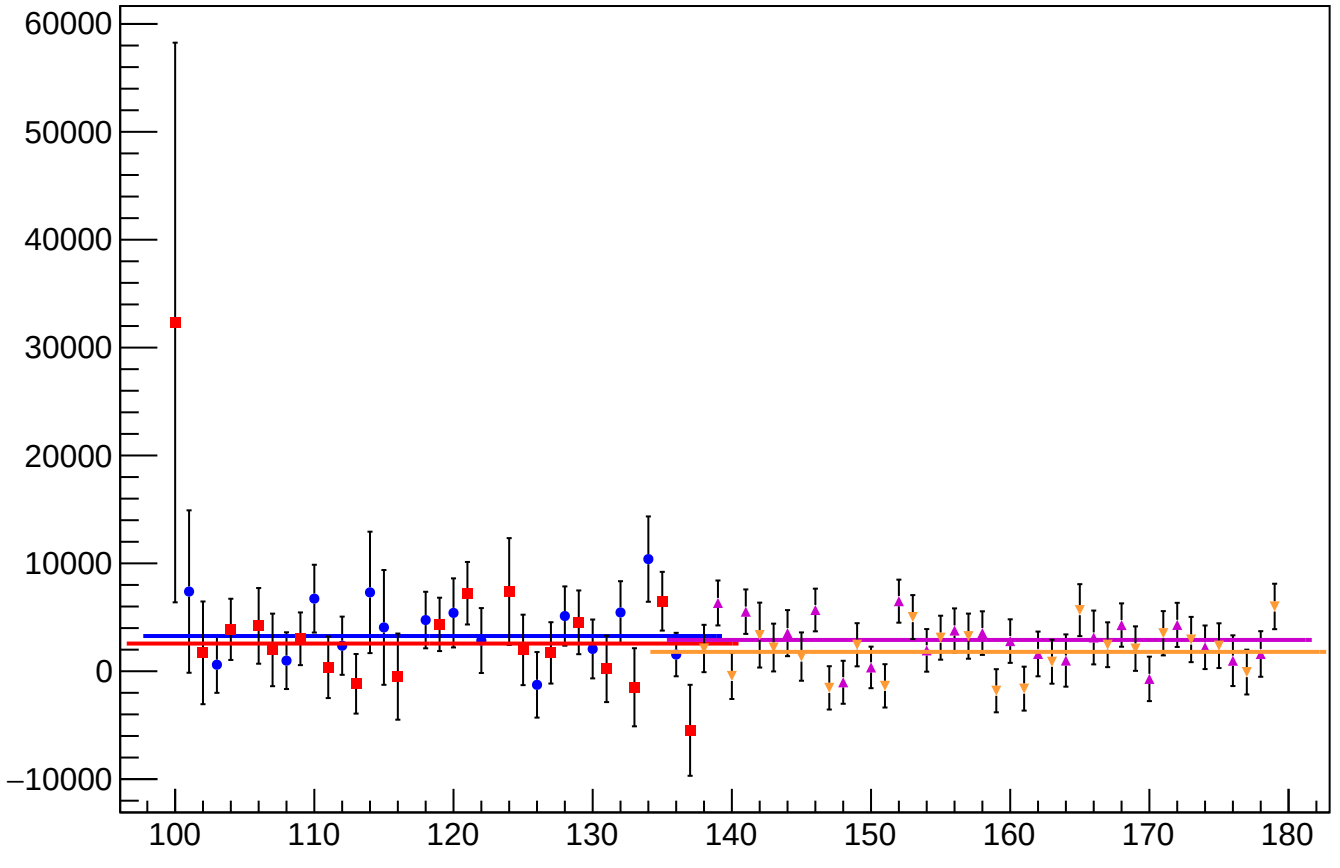
Left: 4867.827+/-0.605 χ^2/NDF: 2158524.8/41

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4706.838+/-0.701 χ^2/NDF:1660689.5/35

Out: 4246.627+/-0.636 χ^2/NDF:4729075.3/40

All: 4454.516+/-0.471 χ^2/NDF: 6626401.1/76



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1794.527+/-450.687 χ^2/NDF:25.0/21

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 2901.716+/-464.552 χ^2/NDF:22.0/19

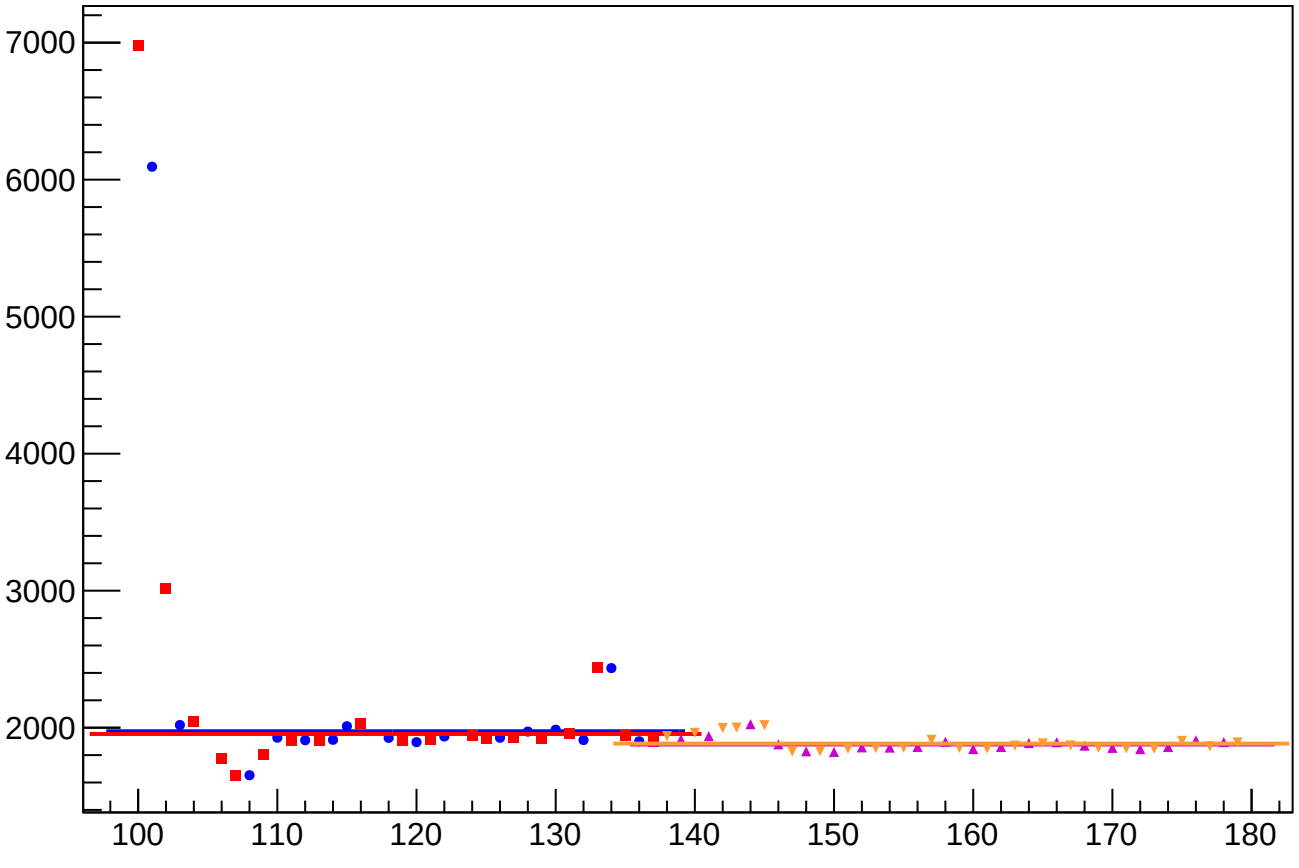
Left: 2331.353+/-323.475 χ^2/NDF: 49.9/41

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3002.181+/-395.056 χ^2/NDF:34.3/35

Out: 2005.573+/-384.191 χ^2/NDF:42.9/40

All: 2489.984+/-275.425 χ^2/NDF: 80.4/76



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.919+/-0.319 χ^2/NDF:28134.7/21

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

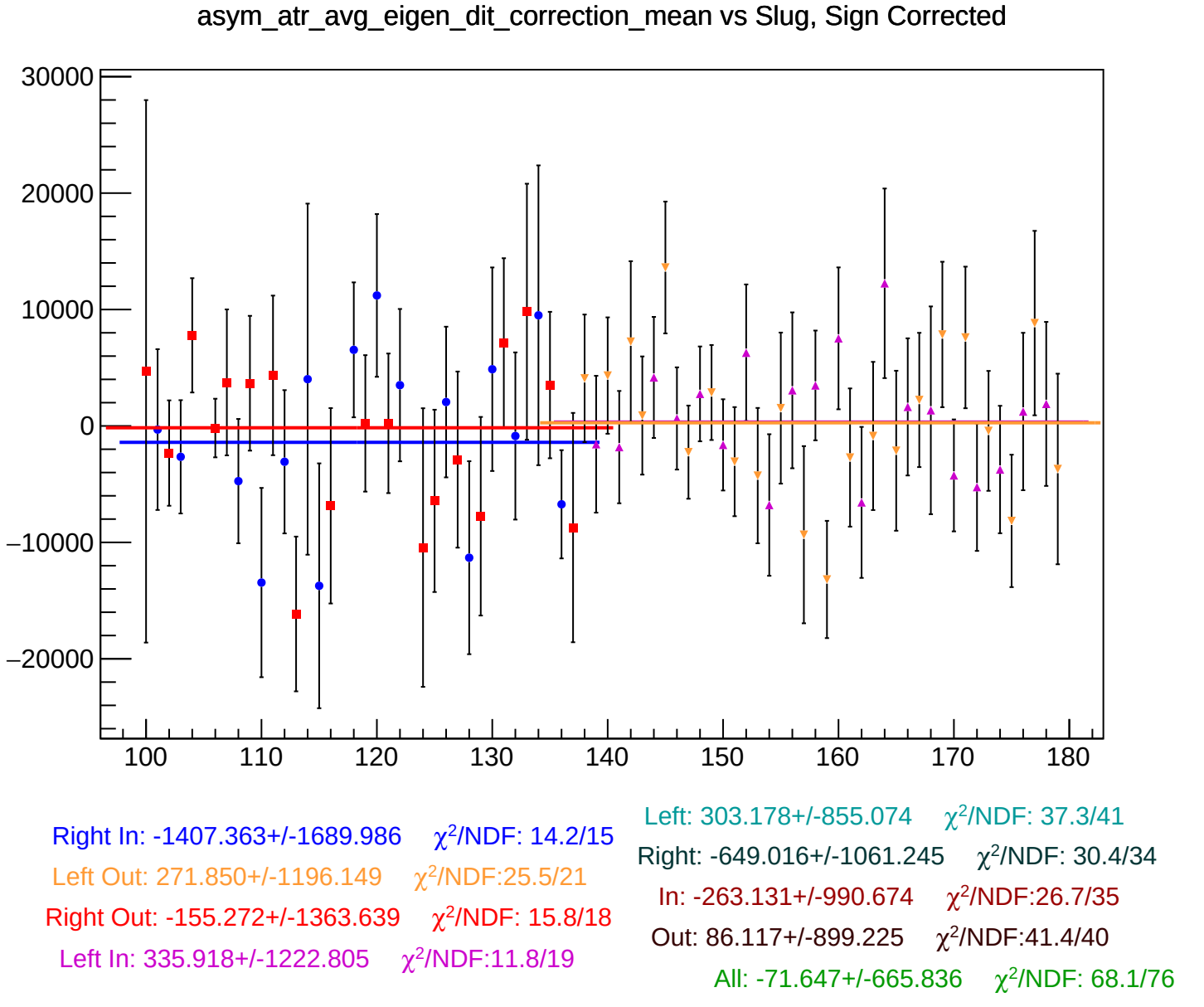
Left: 1880.838+/-0.229 χ^2/NDF: 46433.2/41

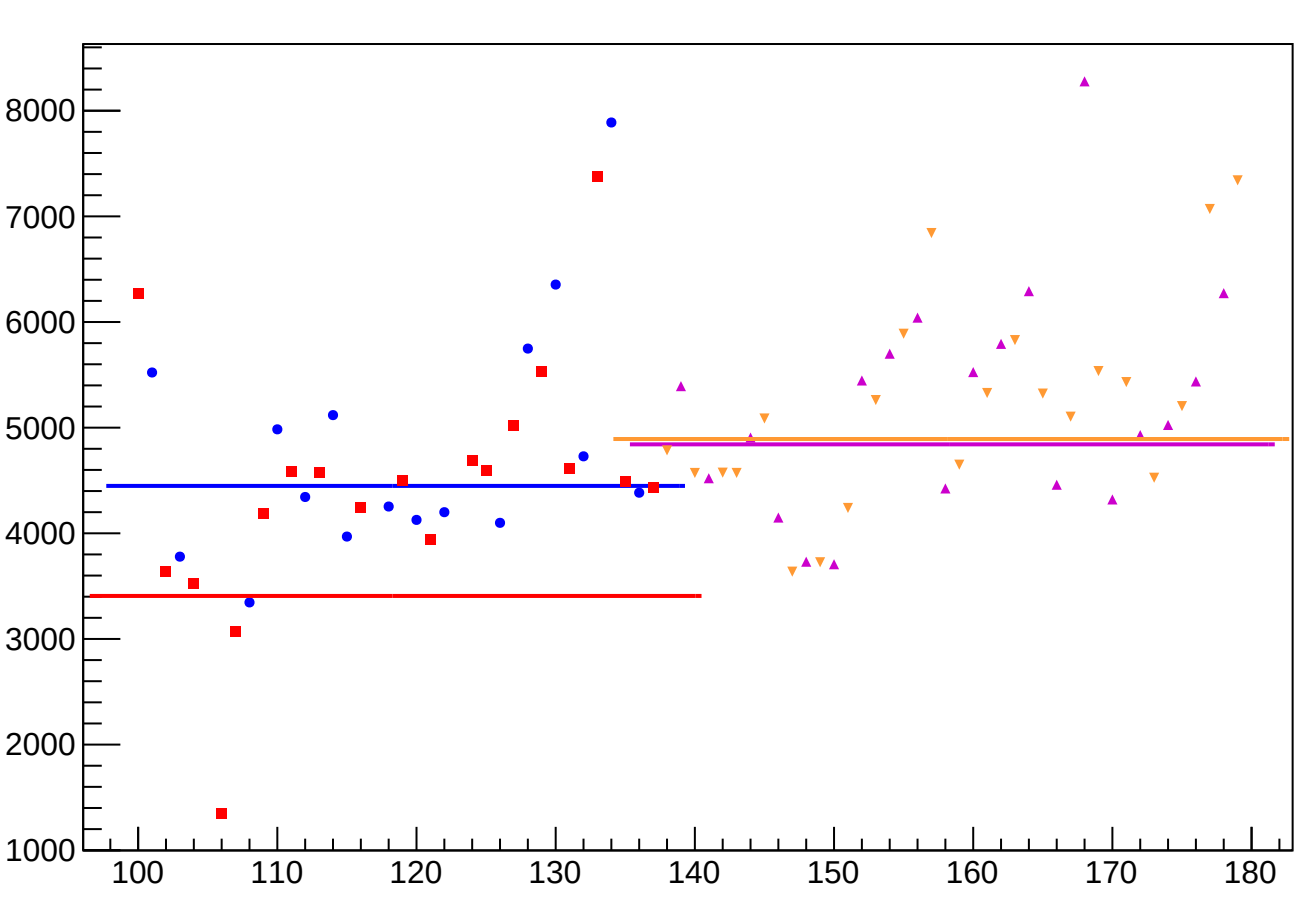
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.190+/-0.279 χ^2/NDF:706963.0/35

Out: 1903.191+/-0.272 χ^2/NDF:287707.9/40

All: 1903.676+/-0.195 χ^2/NDF: 994677.5/76


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 271.850+/-1196.149 χ²/NDF:25.5/21
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 335.918+/-1222.805 χ²/NDF:11.8/19
Left: 303.178+/-855.074 χ²/NDF: 37.3/41
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -263.131+/-990.674 χ²/NDF:26.7/35
Out: 86.117+/-899.225 χ²/NDF:41.4/40
All: -71.647+/-665.836 χ²/NDF: 68.1/76



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4892.570+/-0.846 χ^2/NDF:1061786.9/21

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4841.984+/-0.865 χ^2/NDF:1094991.3/19

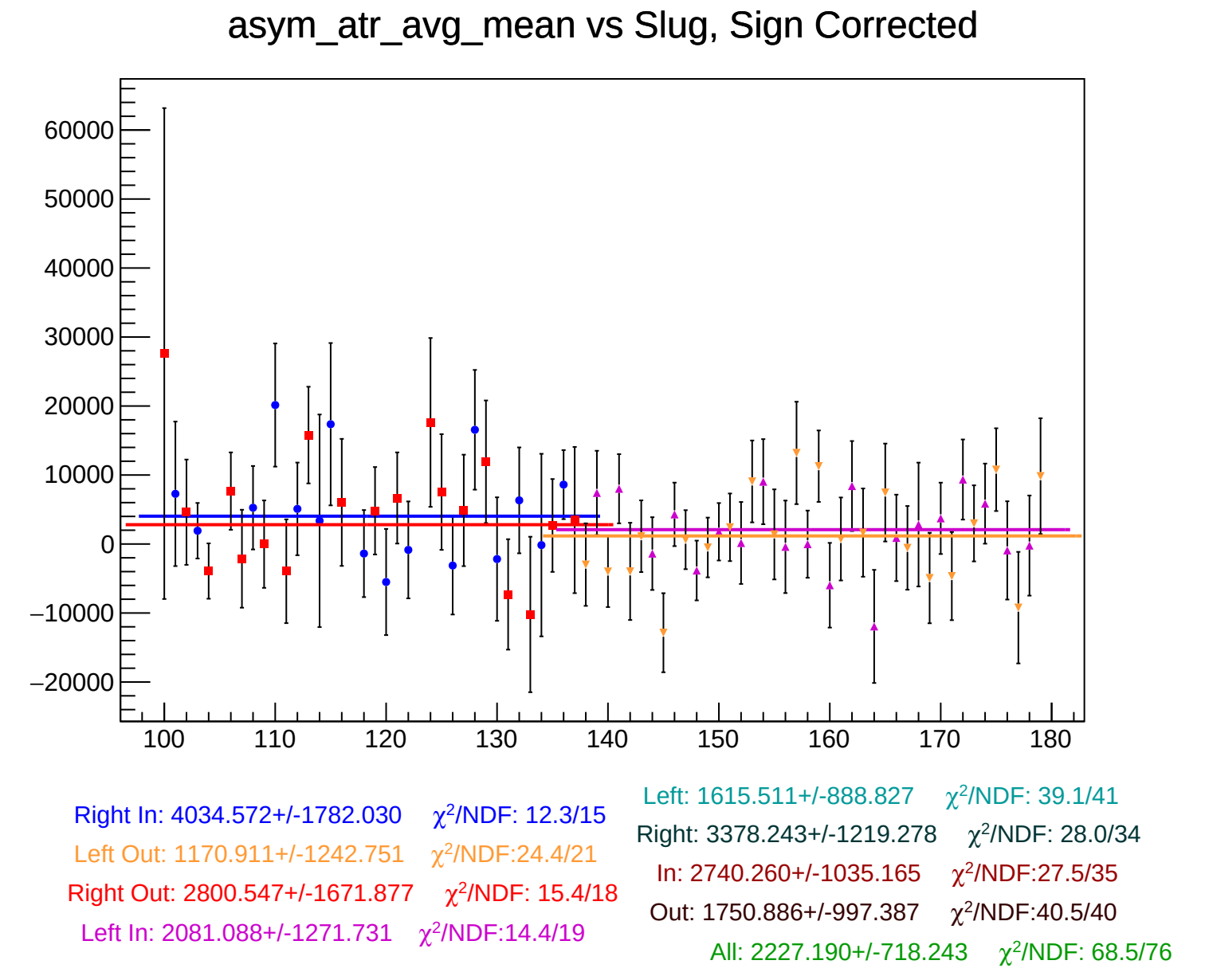
Left: 4867.835+/-0.605 χ^2/NDF: 2158527.4/41

Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

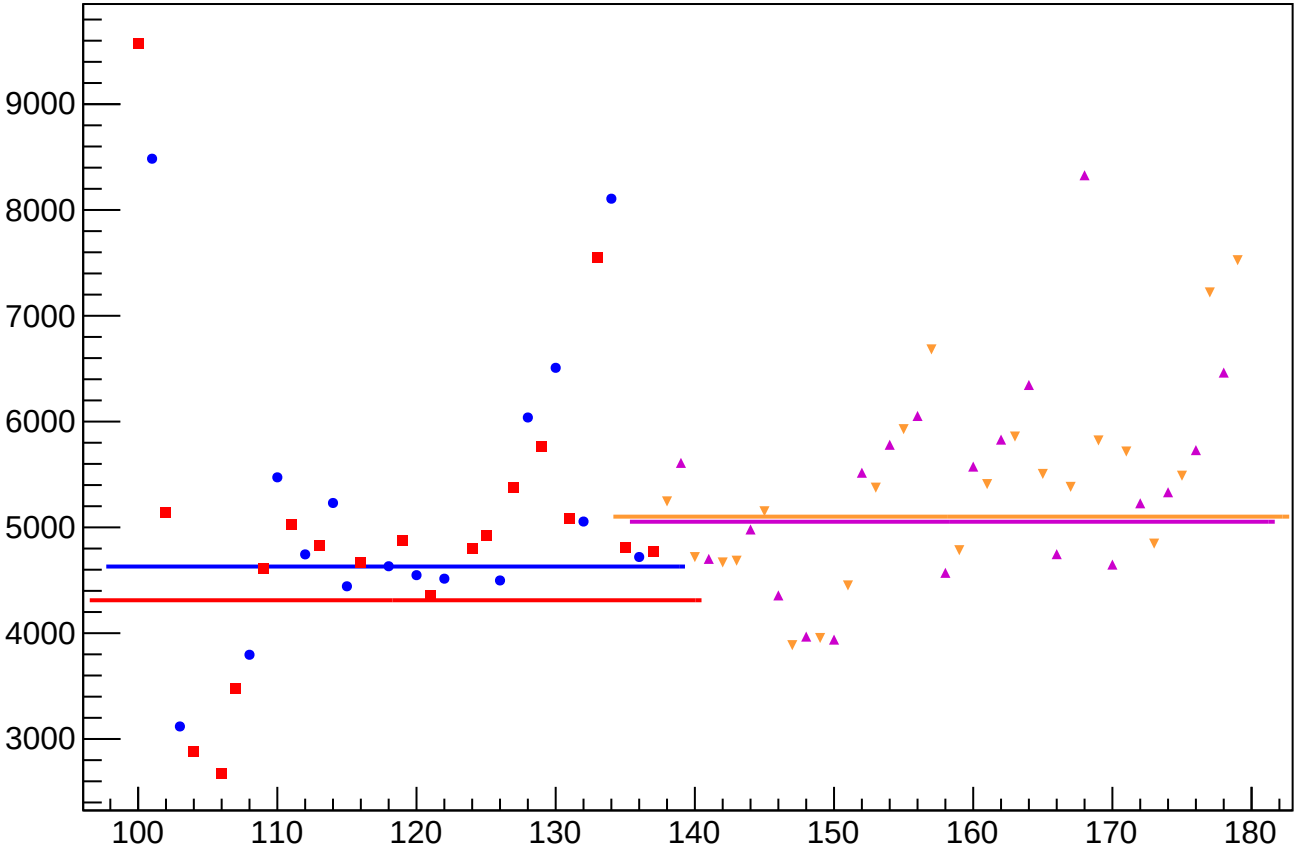
In: 4706.840+/-0.701 χ^2/NDF:1660693.0/35

Out: 4246.625+/-0.636 χ^2/NDF:4729110.9/40

All: 4454.516+/-0.471 χ^2/NDF: 6626443.9/76


asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 4034.572+/-1782.030 χ²/NDF: 12.3/15
Left Out: 1170.911+/-1242.751 χ²/NDF:24.4/21
Right Out: 2800.547+/-1671.877 χ²/NDF: 15.4/18
Left In: 2081.088+/-1271.731 χ²/NDF:14.4/19
Left: 1615.511+/-888.827 χ²/NDF: 39.1/41
Right: 3378.243+/-1219.278 χ²/NDF: 28.0/34
In: 2740.260+/-1035.165 χ²/NDF:27.5/35
Out: 1750.886+/-997.387 χ²/NDF:40.5/40
All: 2227.190+/-718.243 χ²/NDF: 68.5/76

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5101.510+/-0.879 χ^2/NDF:908215.5/21

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5053.413+/-0.899 χ^2/NDF:921527.9/19

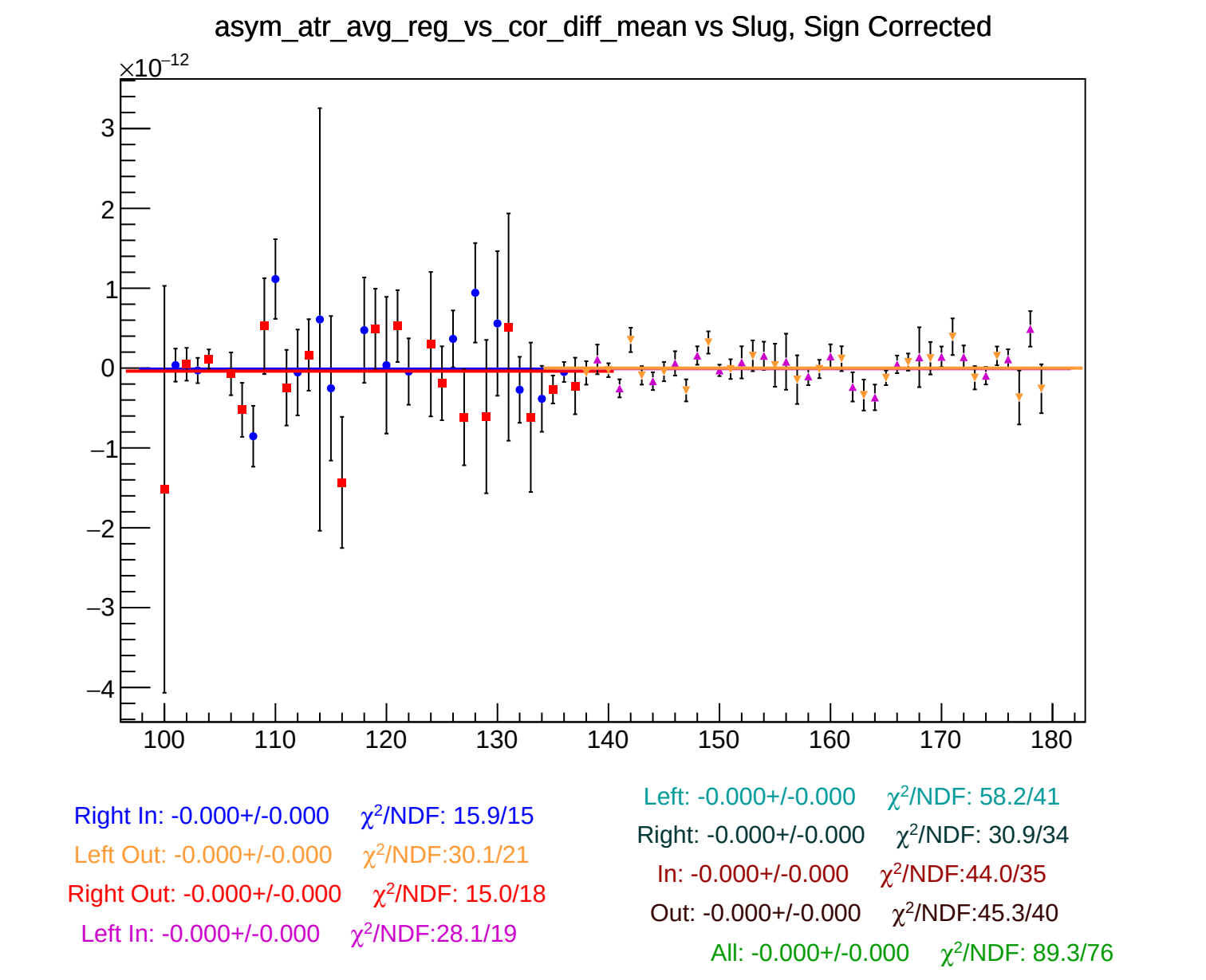
Left: 5078.016+/-0.628 χ^2/NDF: 1831206.7/41

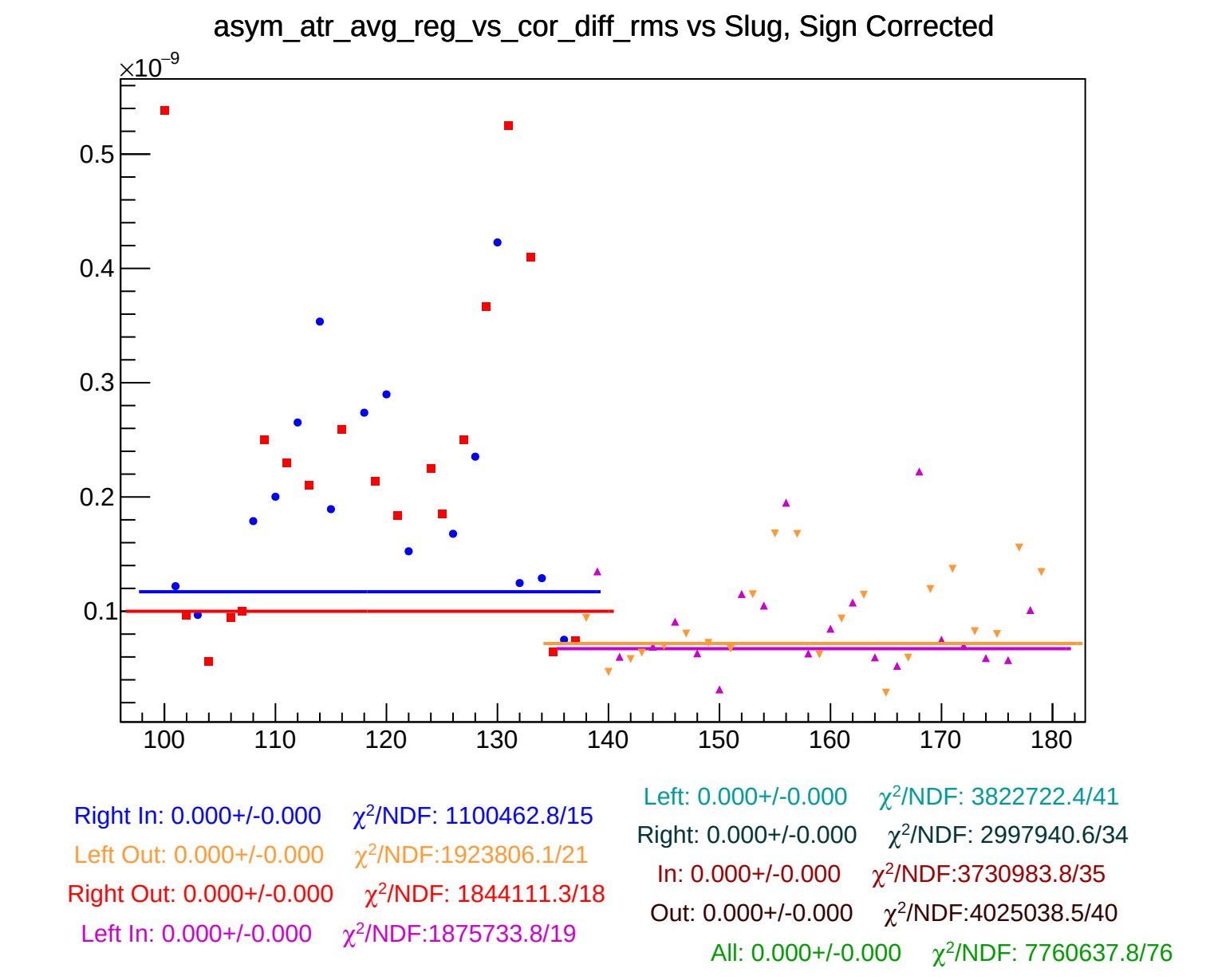
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

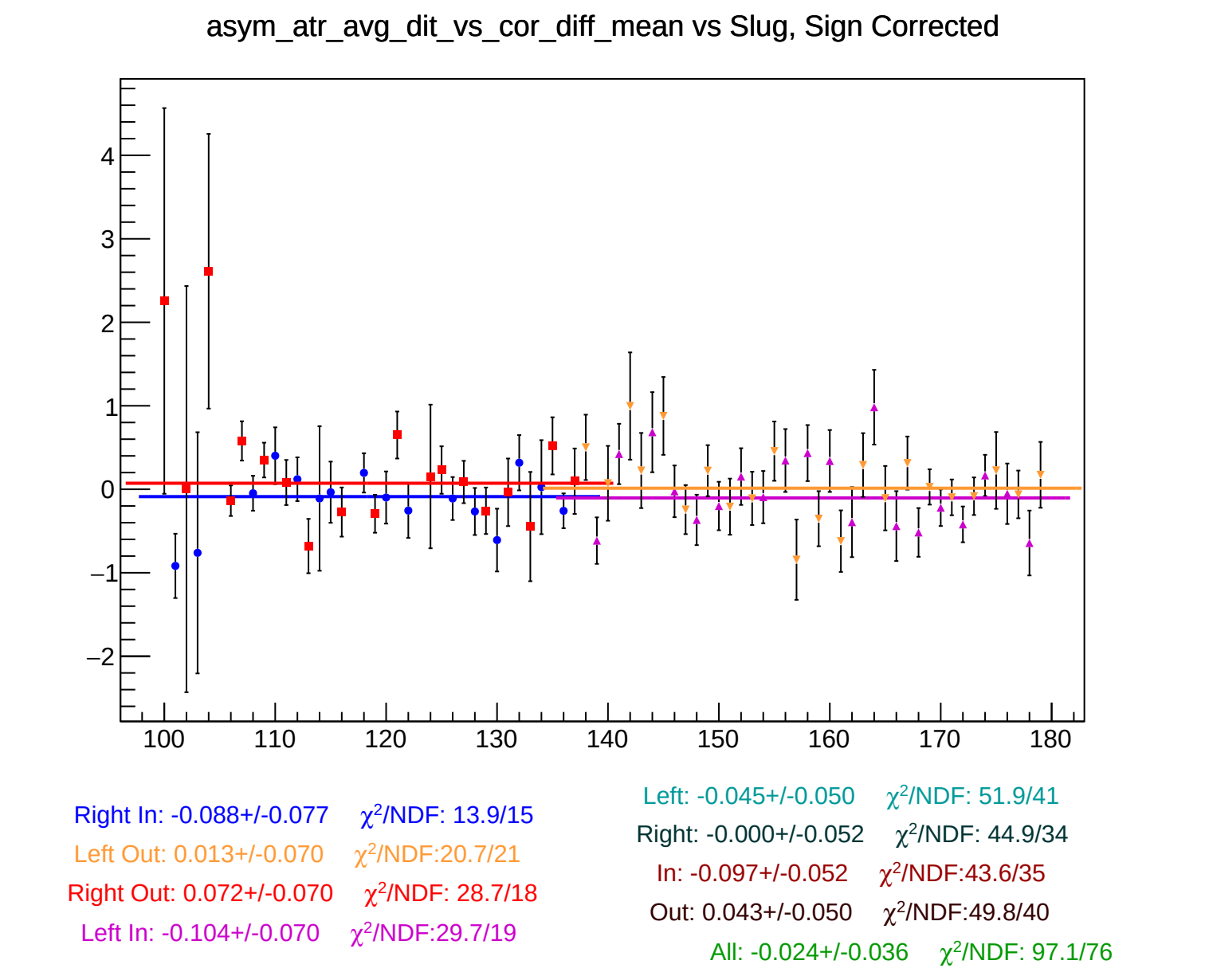
In: 4910.528+/-0.732 χ^2/NDF:1896595.6/35

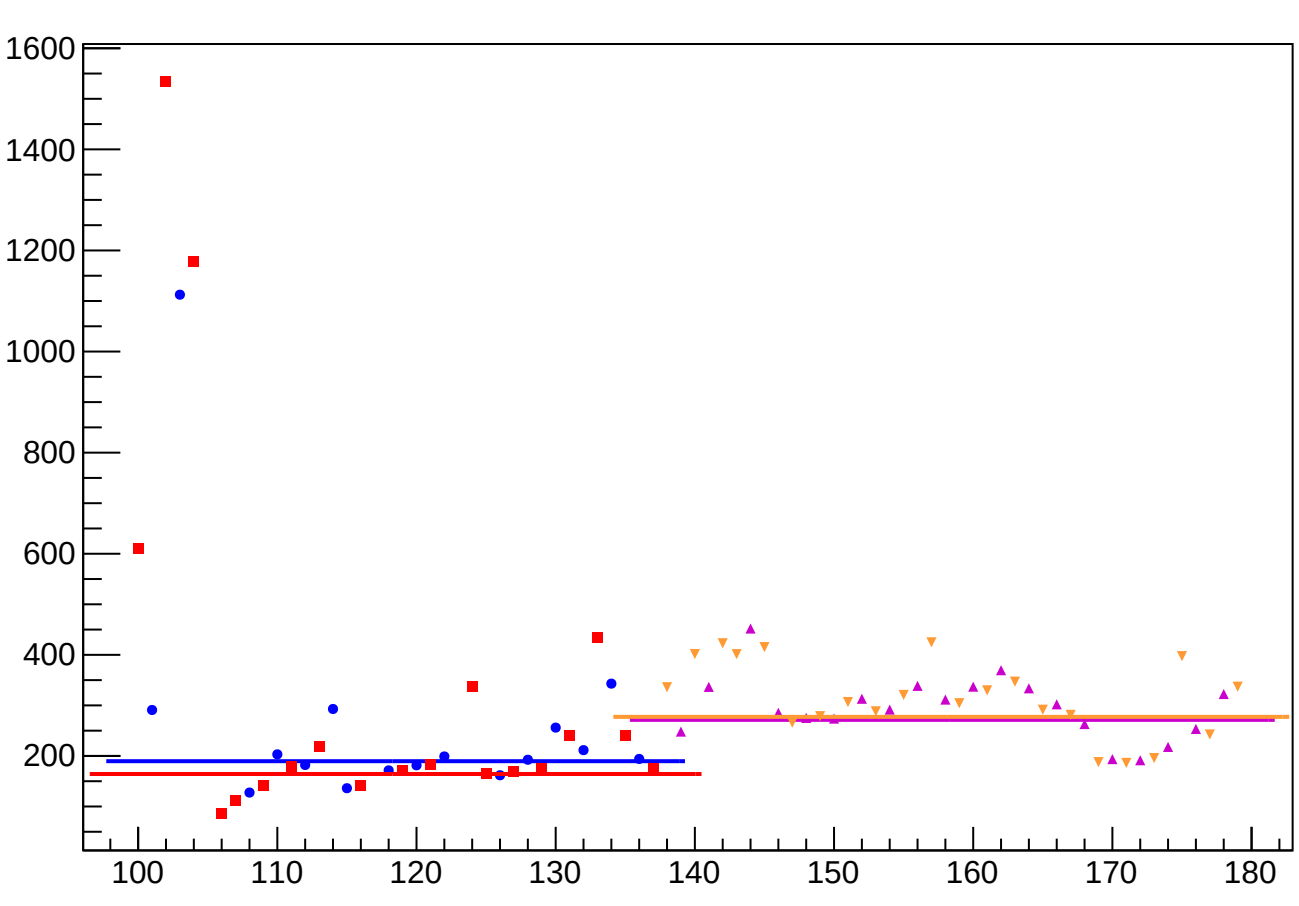
Out: 4817.095+/-0.703 χ^2/NDF:2104025.4/40

All: 4861.930+/-0.507 χ^2/NDF: 4009095.8/76


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:30.1/21
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:28.1/19
Left: -0.000+/-0.000 χ²/NDF: 58.2/41
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:44.0/35
Out: -0.000+/-0.000 χ²/NDF:45.3/40
All: -0.000+/-0.000 χ²/NDF: 89.3/76


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1923806.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1875733.8/19
Left: 0.000+/-0.000 χ²/NDF: 3822722.4/41
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3730983.8/35
Out: 0.000+/-0.000 χ²/NDF:4025038.5/40
All: 0.000+/-0.000 χ²/NDF: 7760637.8/76


asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.013+/-0.070 χ²/NDF:20.7/21
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.104+/-0.070 χ²/NDF:29.7/19
Left: -0.045+/-0.050 χ²/NDF: 51.9/41
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.097+/-0.052 χ²/NDF:43.6/35
Out: 0.043+/-0.050 χ²/NDF:49.8/40
All: -0.024+/-0.036 χ²/NDF: 97.1/76



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 271.378+/-0.050 χ^2/NDF:1384317.8/19

Left: 274.364+/-0.035 χ^2/NDF: 3576440.9/41

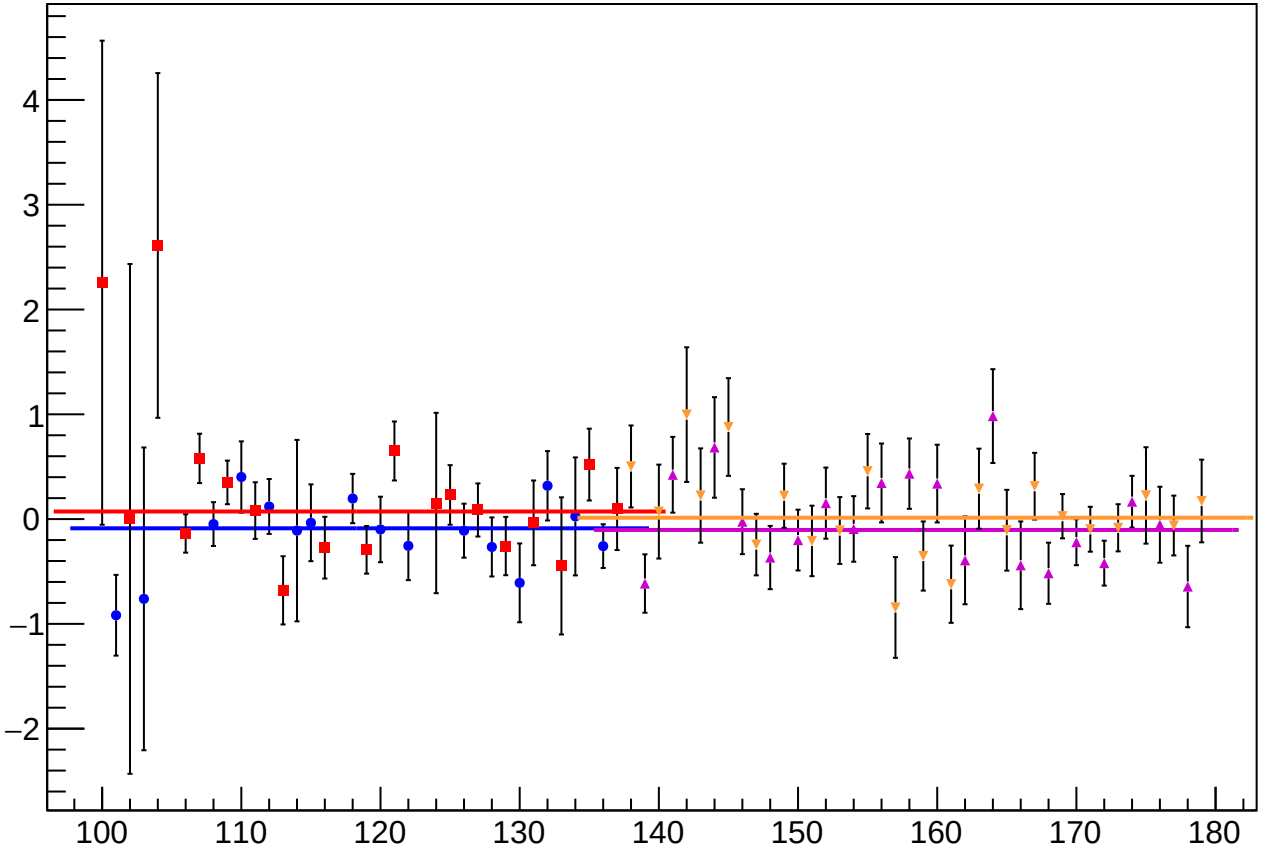
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 234.015+/-0.037 χ^2/NDF:4081211.5/35

Out: 220.801+/-0.035 χ^2/NDF:7434670.7/40

All: 227.097+/-0.025 χ^2/NDF: 11583764.0/76

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.070 χ^2/NDF:29.7/19

Left: -0.045+/-0.050 χ^2/NDF: 51.9/41

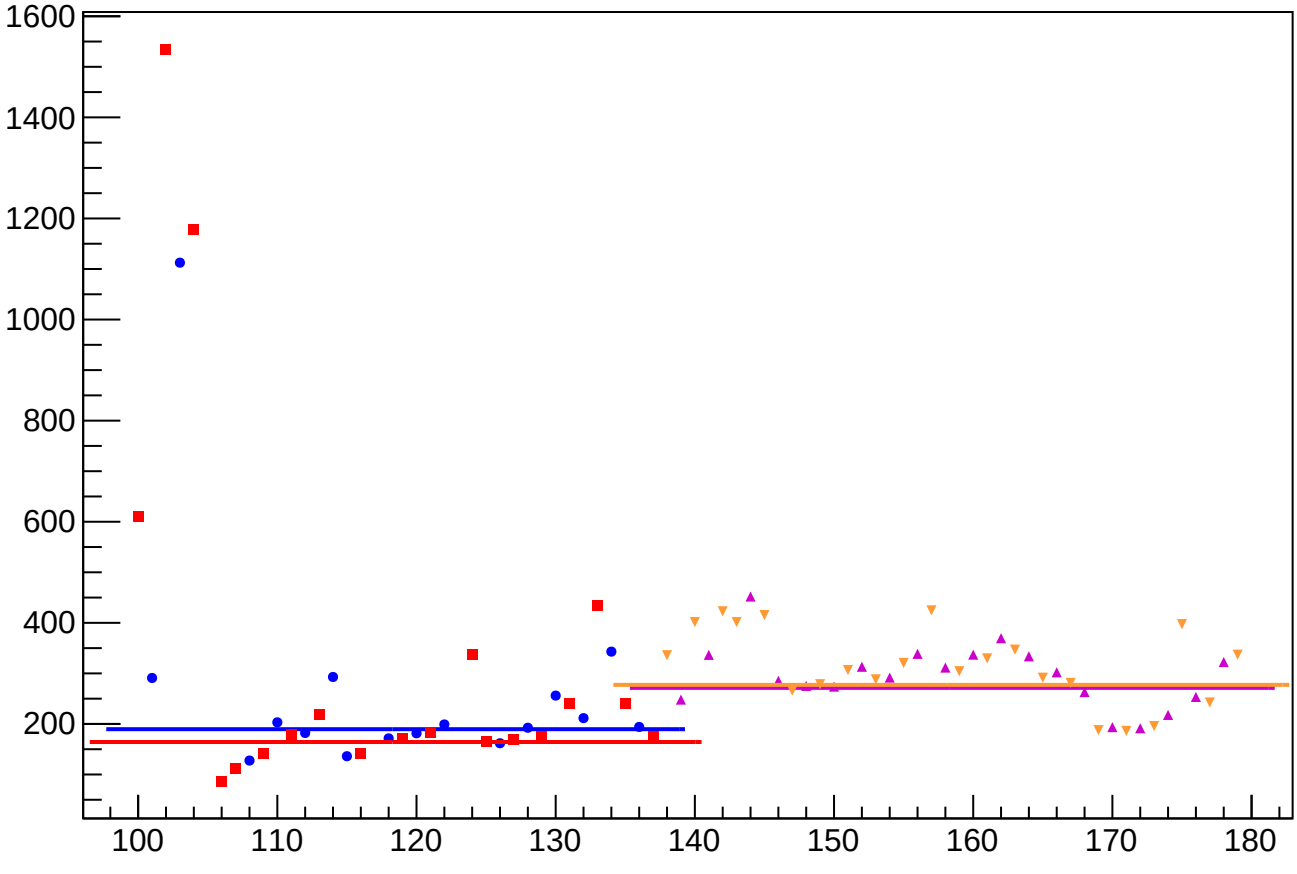
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.052 χ^2/NDF:43.6/35

Out: 0.043+/-0.050 χ^2/NDF:49.8/40

All: -0.024+/-0.036 χ^2/NDF: 97.1/76

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 277.315+/-0.050 χ^2/NDF:2184975.7/21

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 271.378+/-0.050 χ^2/NDF:1384317.8/19

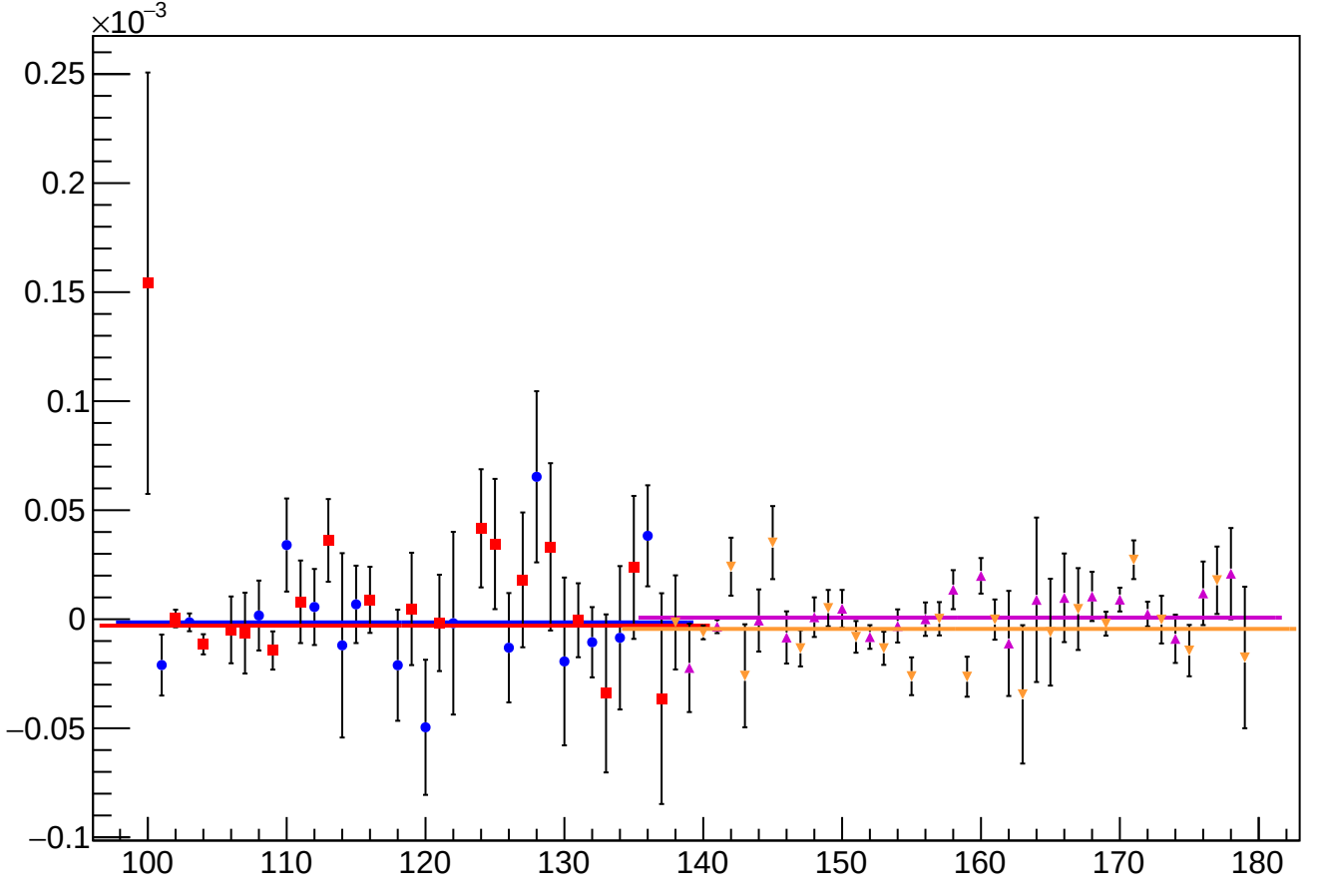
Left: 274.364+/-0.035 χ^2/NDF: 3576440.9/41

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 234.015+/-0.037 χ^2/NDF:4081211.5/35

Out: 220.801+/-0.035 χ^2/NDF:7434670.7/40

All: 227.097+/-0.025 χ^2/NDF: 11583764.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.3/19

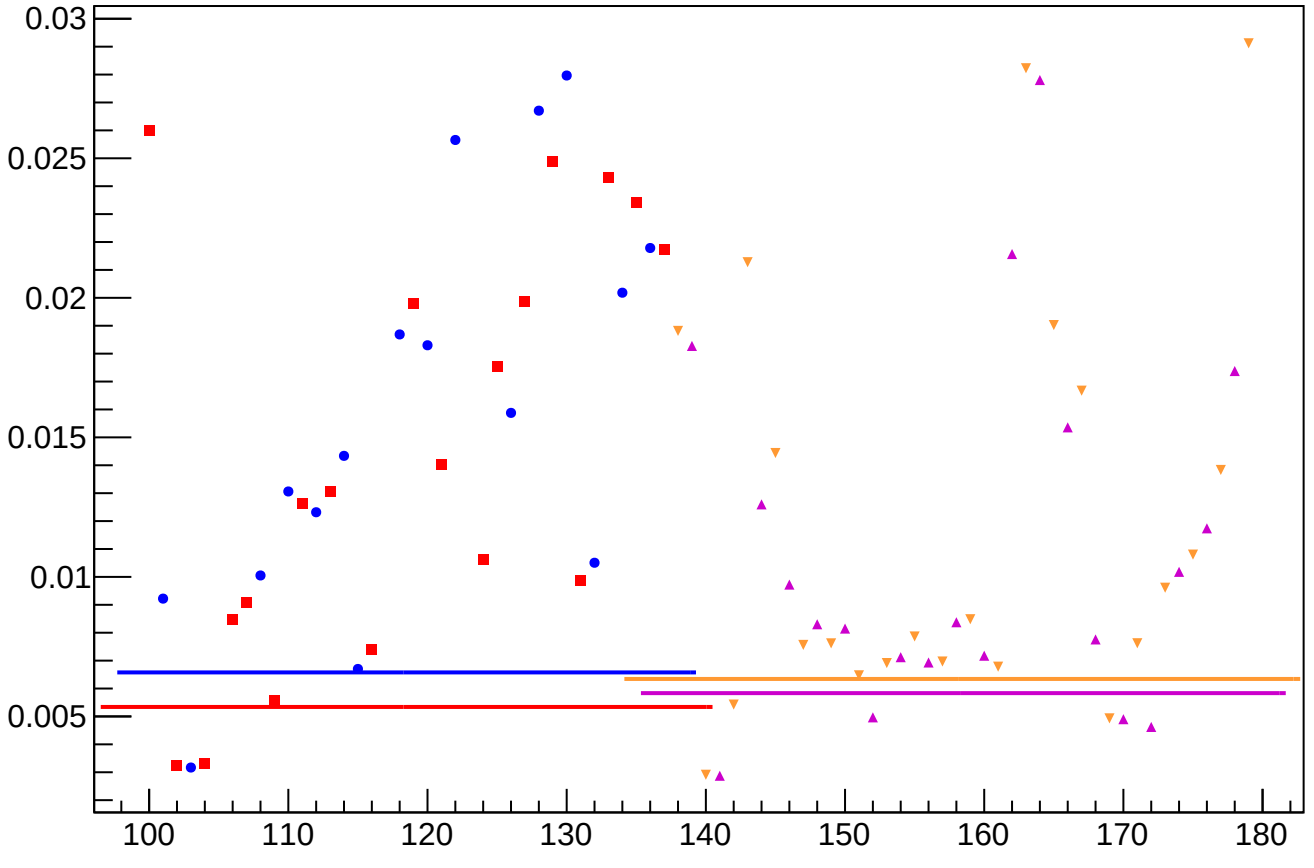
Left: -0.000+/-0.000 χ^2/NDF: 69.7/41

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:35.5/35

Out: -0.000+/-0.000 χ^2/NDF:66.7/40

All: -0.000+/-0.000 χ^2/NDF: 106.0/76



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:8760932.2/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:7369717.3/19

Left: 0.006+/-0.000 χ^2/NDF: 16212948.8/41

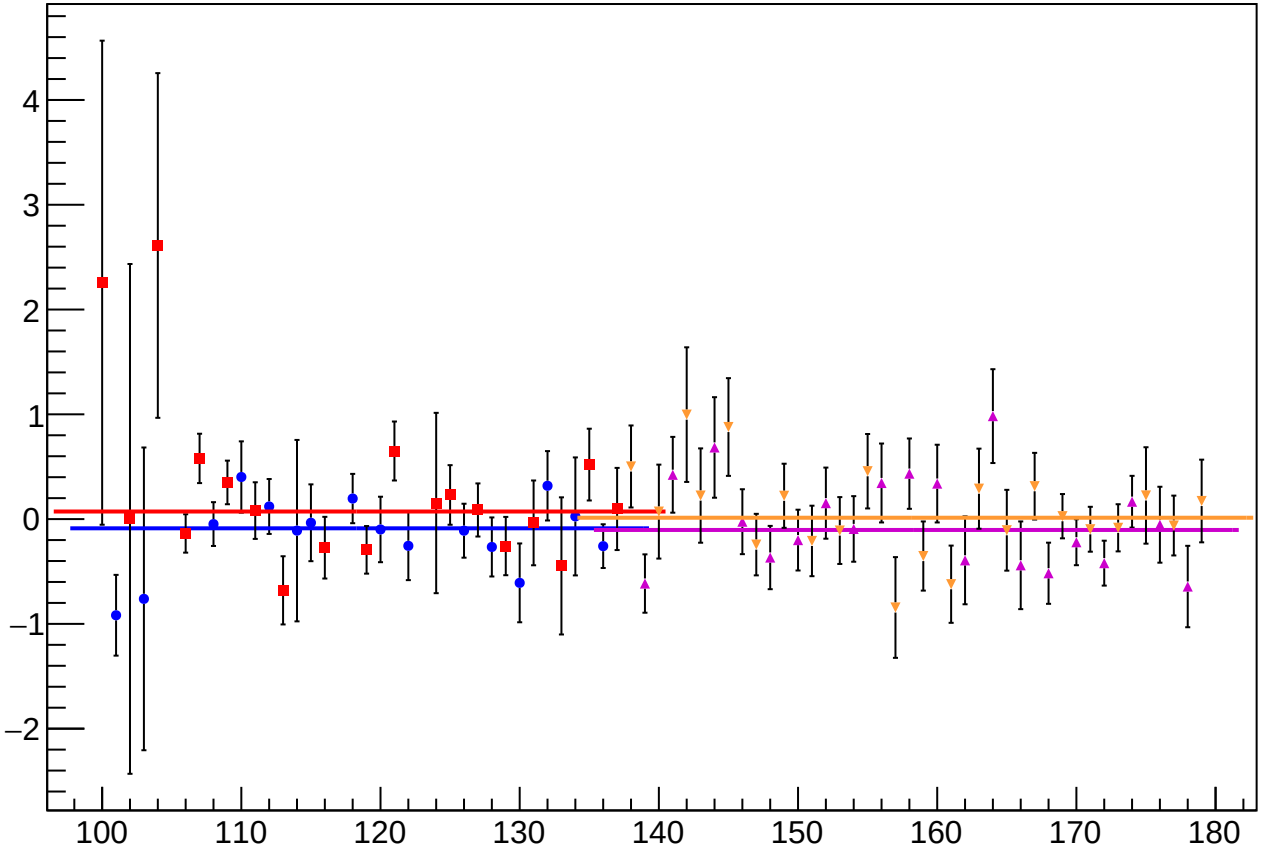
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:13376651.5/35

Out: 0.006+/-0.000 χ^2/NDF:14650851.7/40

All: 0.006+/-0.000 χ^2/NDF: 28027600.4/76

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.070 χ^2/NDF:29.7/19

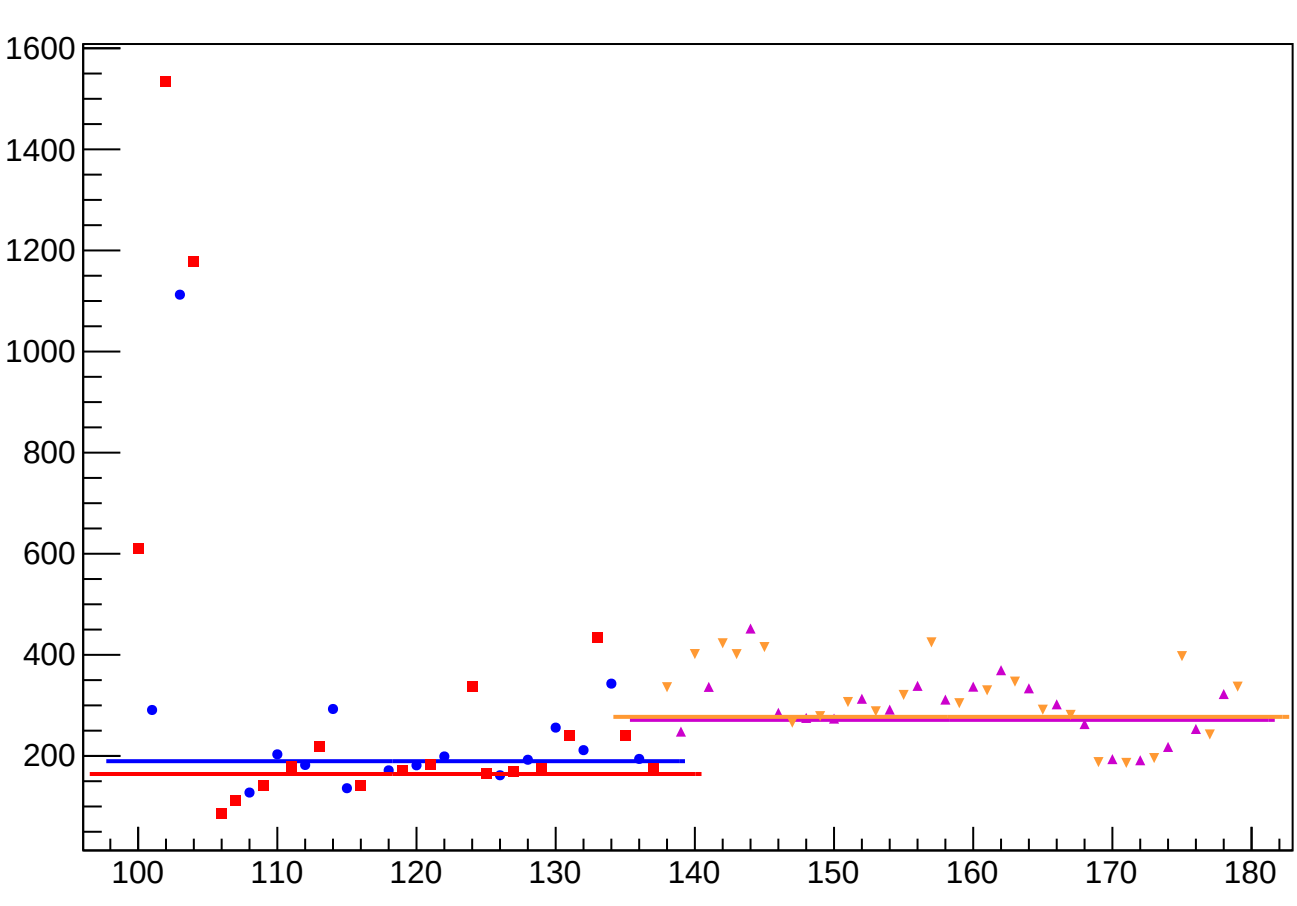
Left: -0.045+/-0.050 χ^2/NDF: 51.9/41

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.096+/-0.052 χ^2/NDF:43.6/35

Out: 0.043+/-0.050 χ^2/NDF:49.8/40

All: -0.024+/-0.036 χ^2/NDF: 97.1/76



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.317+/-0.050 χ^2/NDF:2185048.4/21

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 271.381+/-0.050 χ^2/NDF:1384370.4/19

Left: 274.367+/-0.035 χ^2/NDF: 3576565.9/41

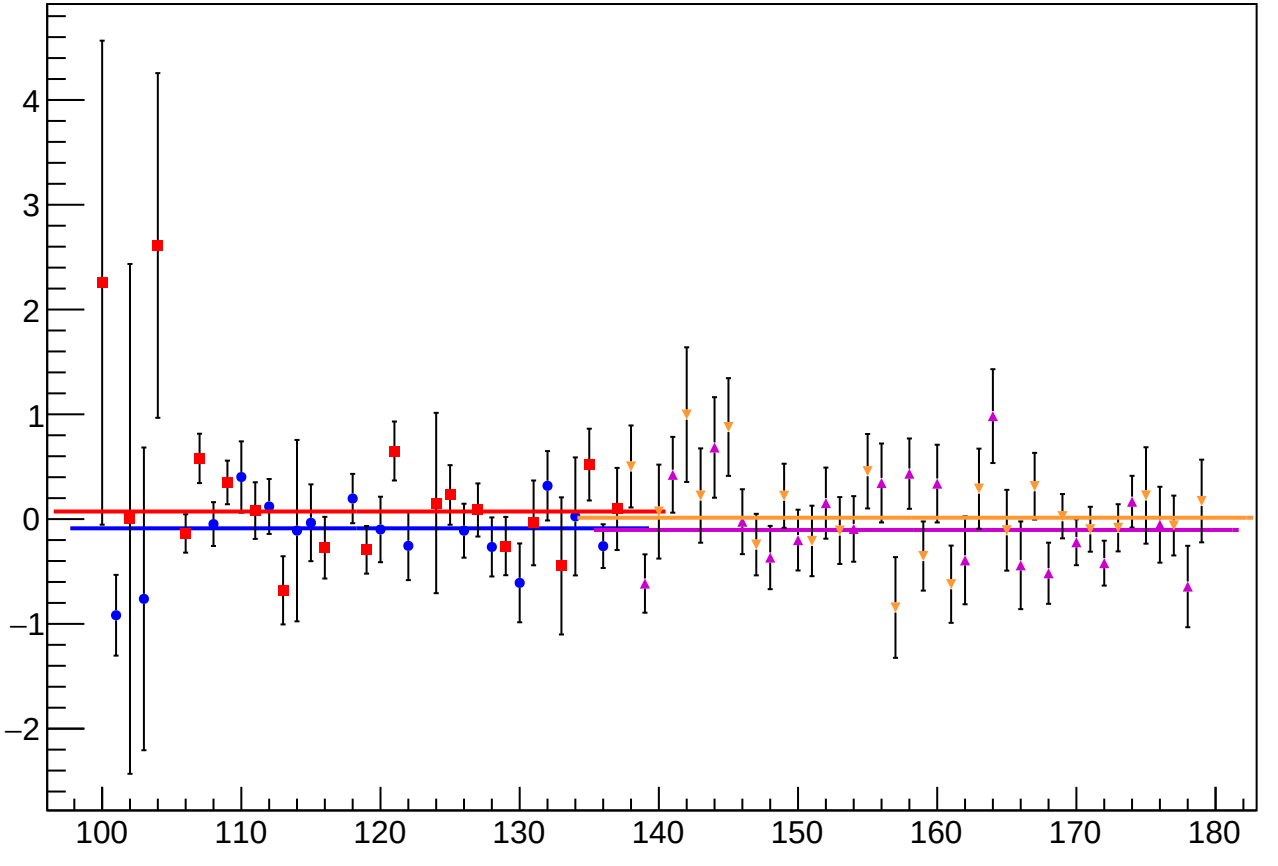
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 234.016+/-0.037 χ^2/NDF:4081342.9/35

Out: 220.801+/-0.035 χ^2/NDF:7434854.9/40

All: 227.097+/-0.025 χ^2/NDF: 11584084.2/76

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.013+/-0.070 χ^2/NDF:20.7/21

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.070 χ^2/NDF:29.7/19

Left: -0.045+/-0.050 χ^2/NDF: 51.9/41

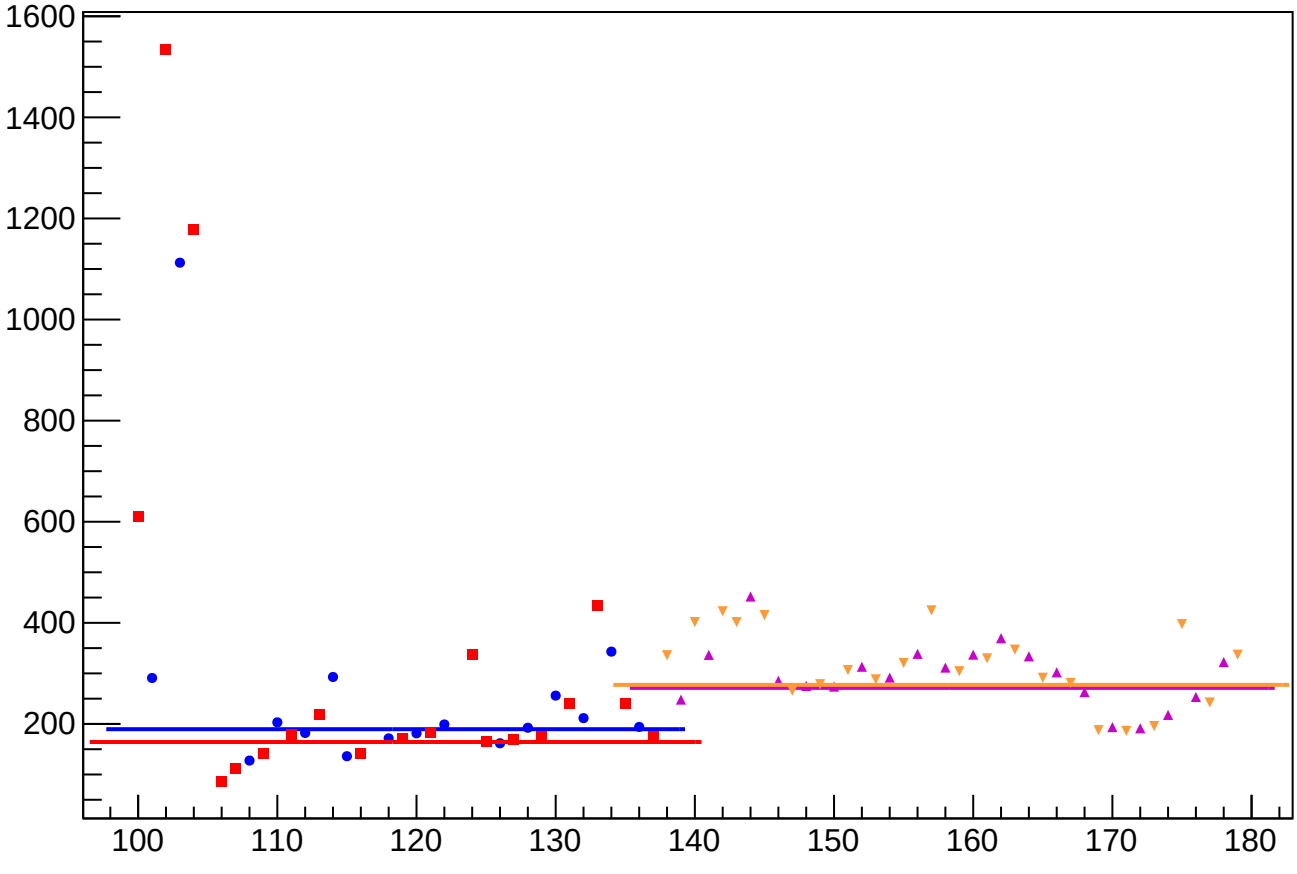
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.096+/-0.052 χ^2/NDF:43.6/35

Out: 0.043+/-0.050 χ^2/NDF:49.8/40

All: -0.024+/-0.036 χ^2/NDF: 97.1/76

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 277.317+/-0.050 χ^2/NDF:2185048.4/21

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 271.381+/-0.050 χ^2/NDF:1384370.4/19

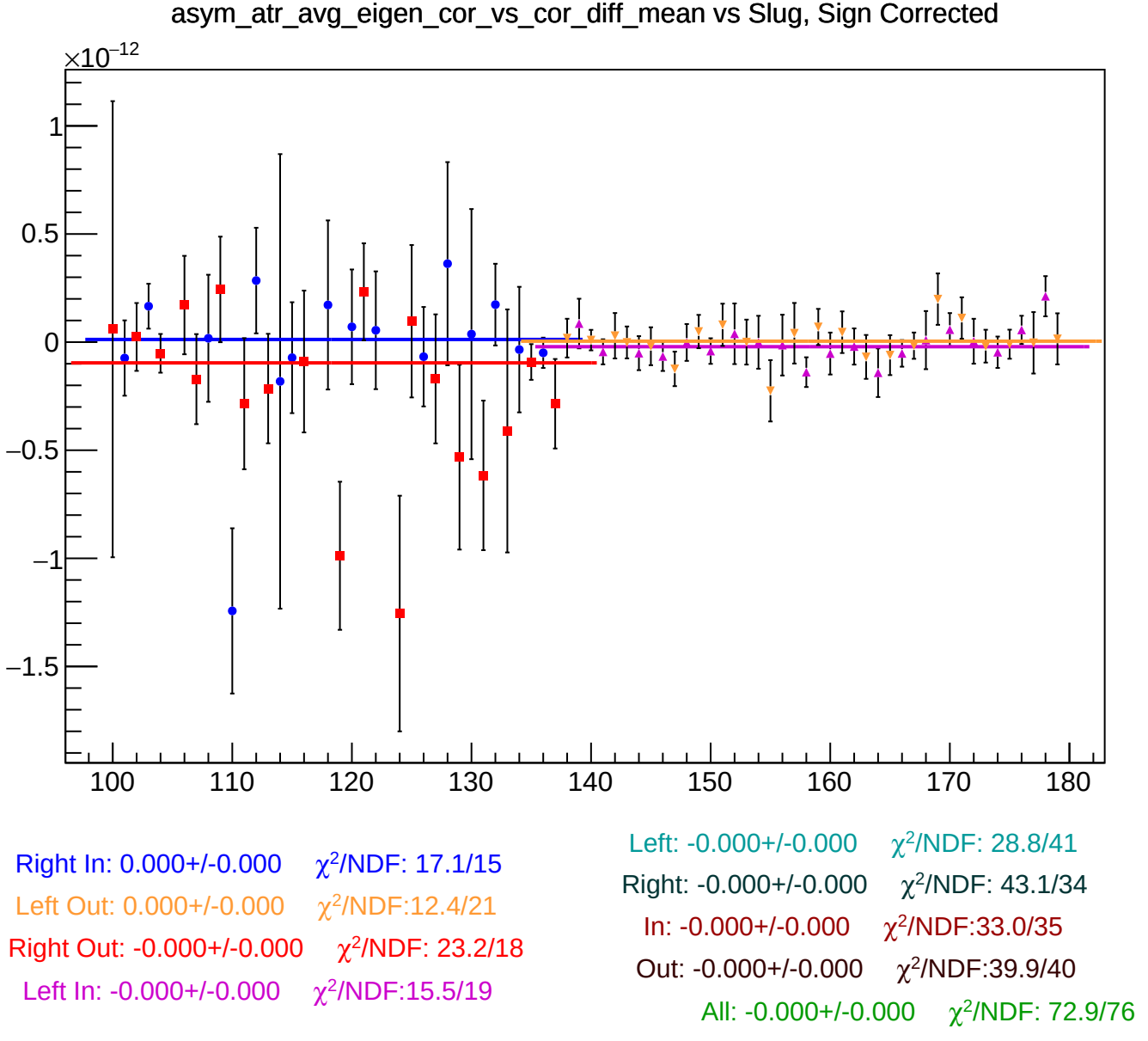
Left: 274.367+/-0.035 χ^2/NDF: 3576565.9/41

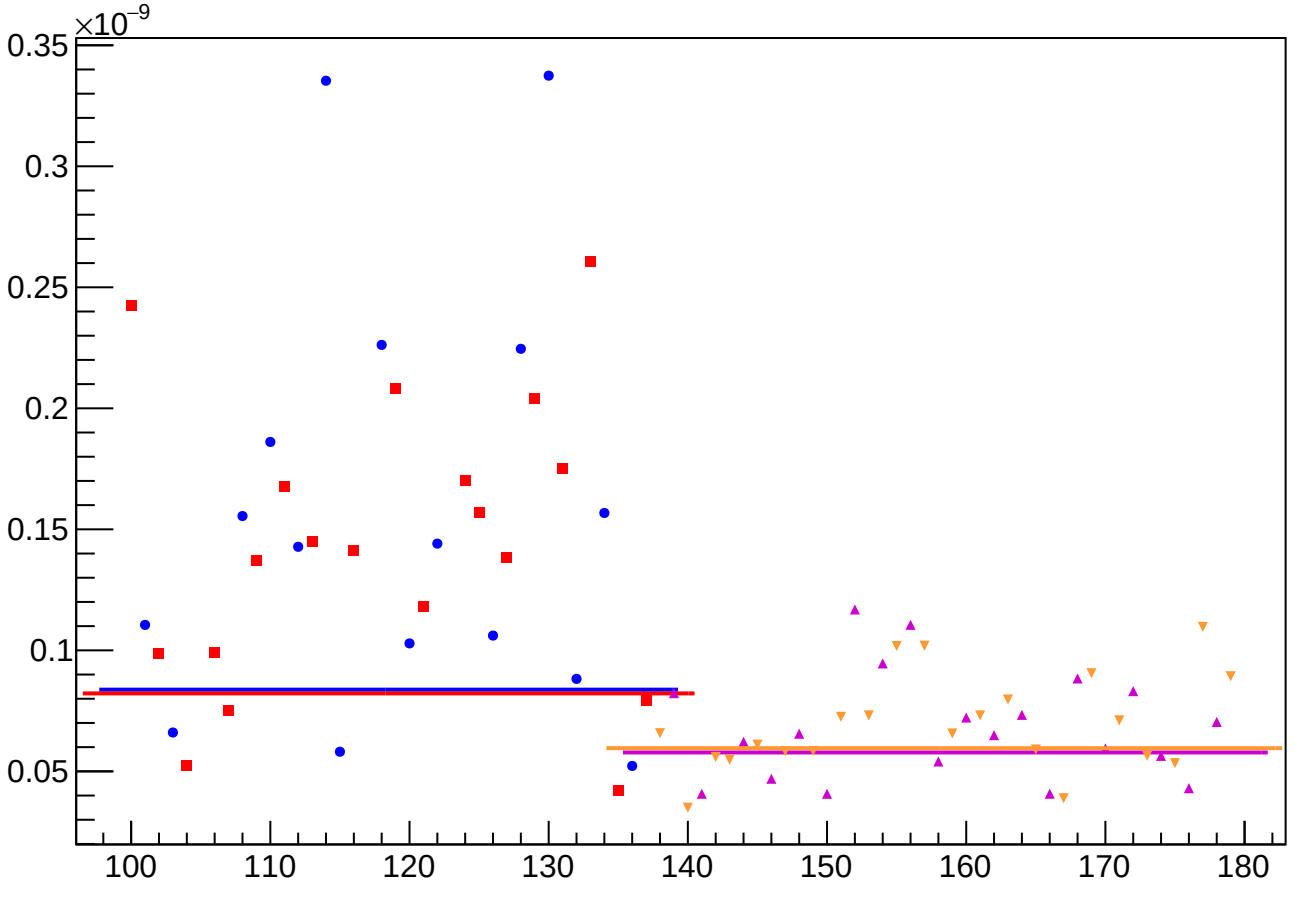
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 234.016+/-0.037 χ^2/NDF:4081342.9/35

Out: 220.801+/-0.035 χ^2/NDF:7434854.9/40

All: 227.097+/-0.025 χ^2/NDF: 11584084.2/76


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.1/15
Left Out: 0.000+/-0.000 χ²/NDF:12.4/21
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:15.5/19
Left: -0.000+/-0.000 χ²/NDF: 28.8/41
Right: -0.000+/-0.000 χ²/NDF: 43.1/34
In: -0.000+/-0.000 χ²/NDF:33.0/35
Out: -0.000+/-0.000 χ²/NDF:39.9/40
All: -0.000+/-0.000 χ²/NDF: 72.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1910903.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1942811.2/19

Left: 0.000+/-0.000 χ^2/NDF: 3863289.6/41

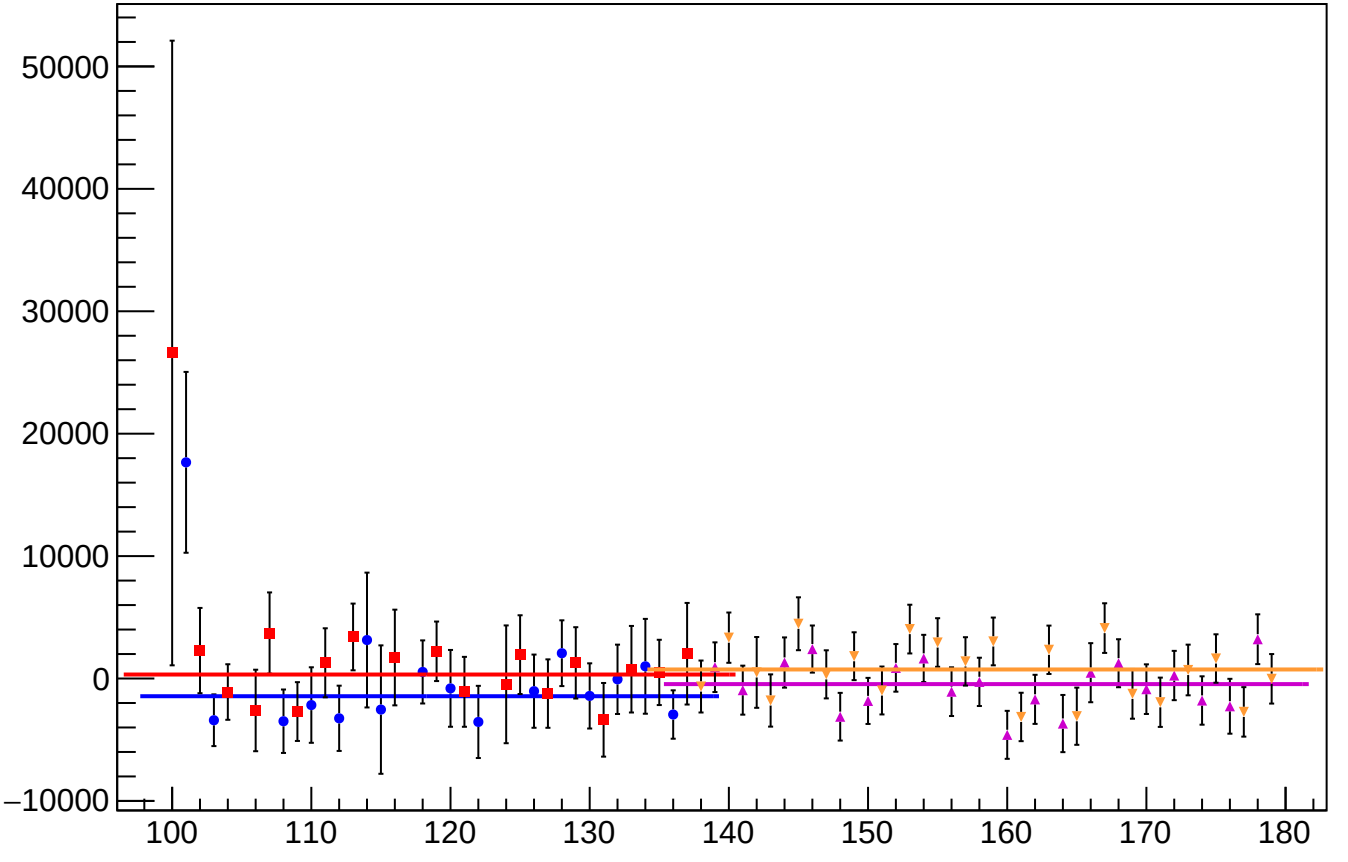
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4610855.4/35

Out: 0.000+/-0.000 χ^2/NDF:4621522.3/40

All: 0.000+/-0.000 χ^2/NDF: 9239284.7/76

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.815+/-437.425 χ^2/NDF:29.0/21

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -456.553+/-451.765 χ^2/NDF:19.8/19

Left: 160.404+/-314.254 χ^2/NDF: 52.4/41

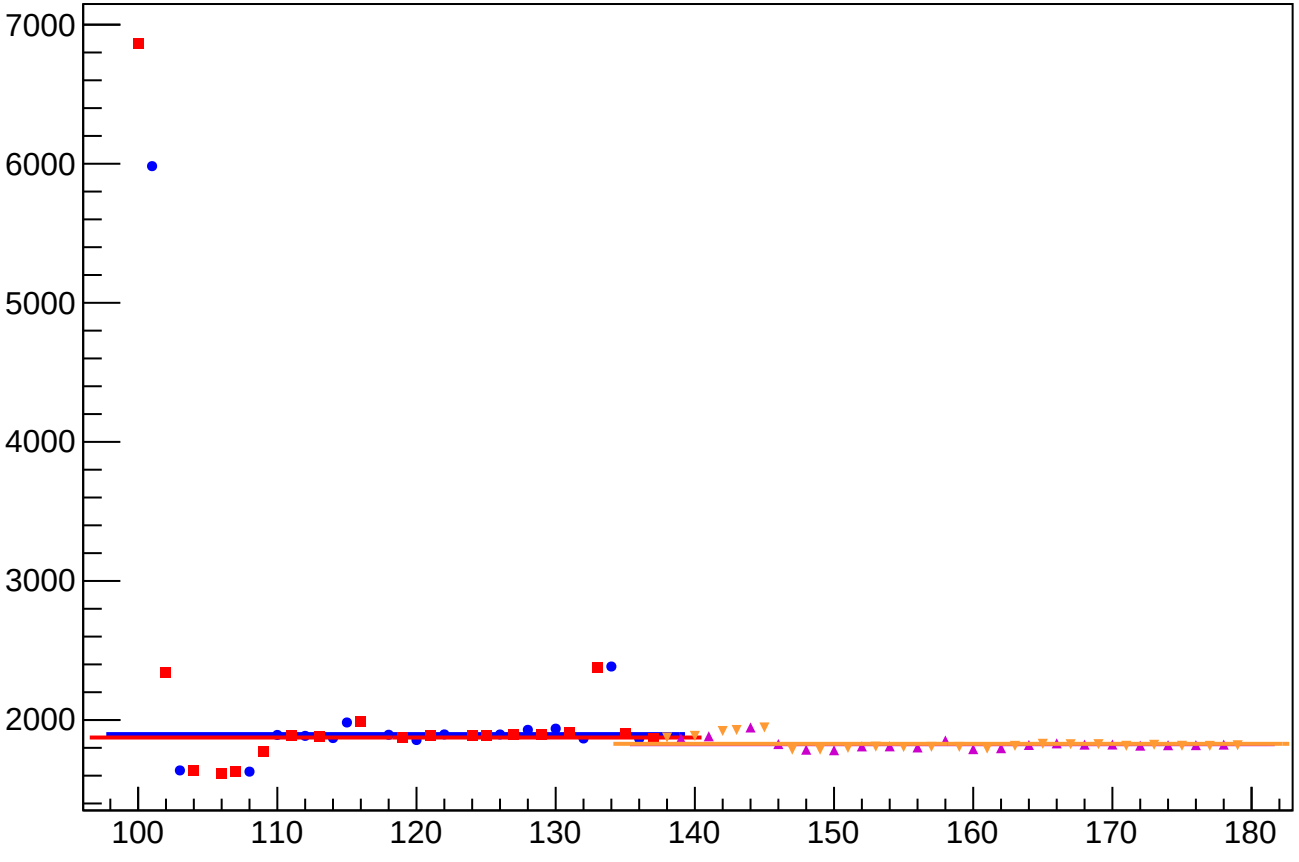
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -734.467+/-383.143 χ^2/NDF:34.7/35

Out: 623.487+/-371.346 χ^2/NDF:39.2/40

All: -34.262+/-266.655 χ^2/NDF: 80.4/76

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

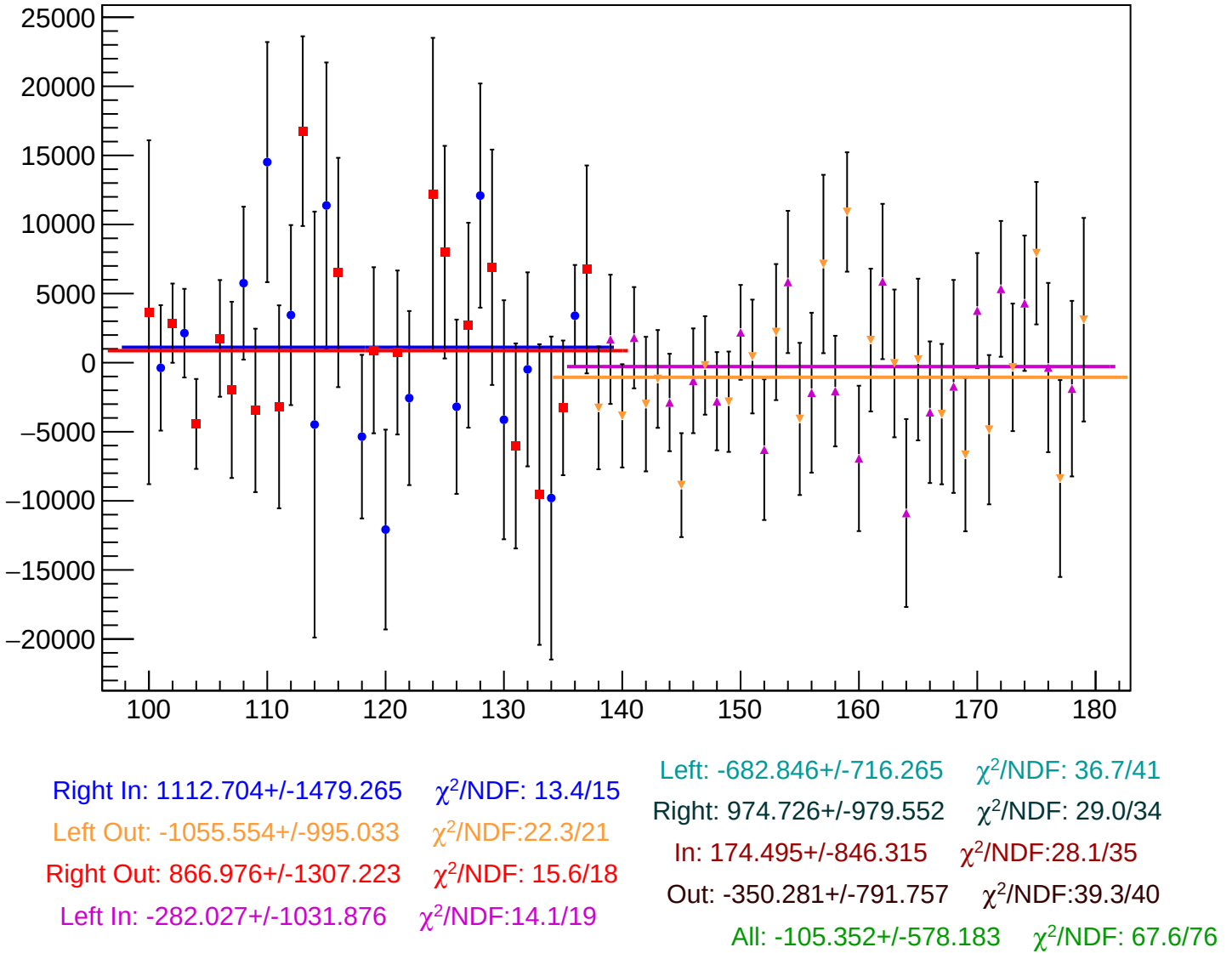
Left: 1827.563+/-0.222 χ^2/NDF: 32480.1/41

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1846.544+/-0.271 χ^2/NDF:725324.1/35

Out: 1841.627+/-0.262 χ^2/NDF:232858.3/40

All: 1844.006+/-0.188 χ^2/NDF: 958352.4/76


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
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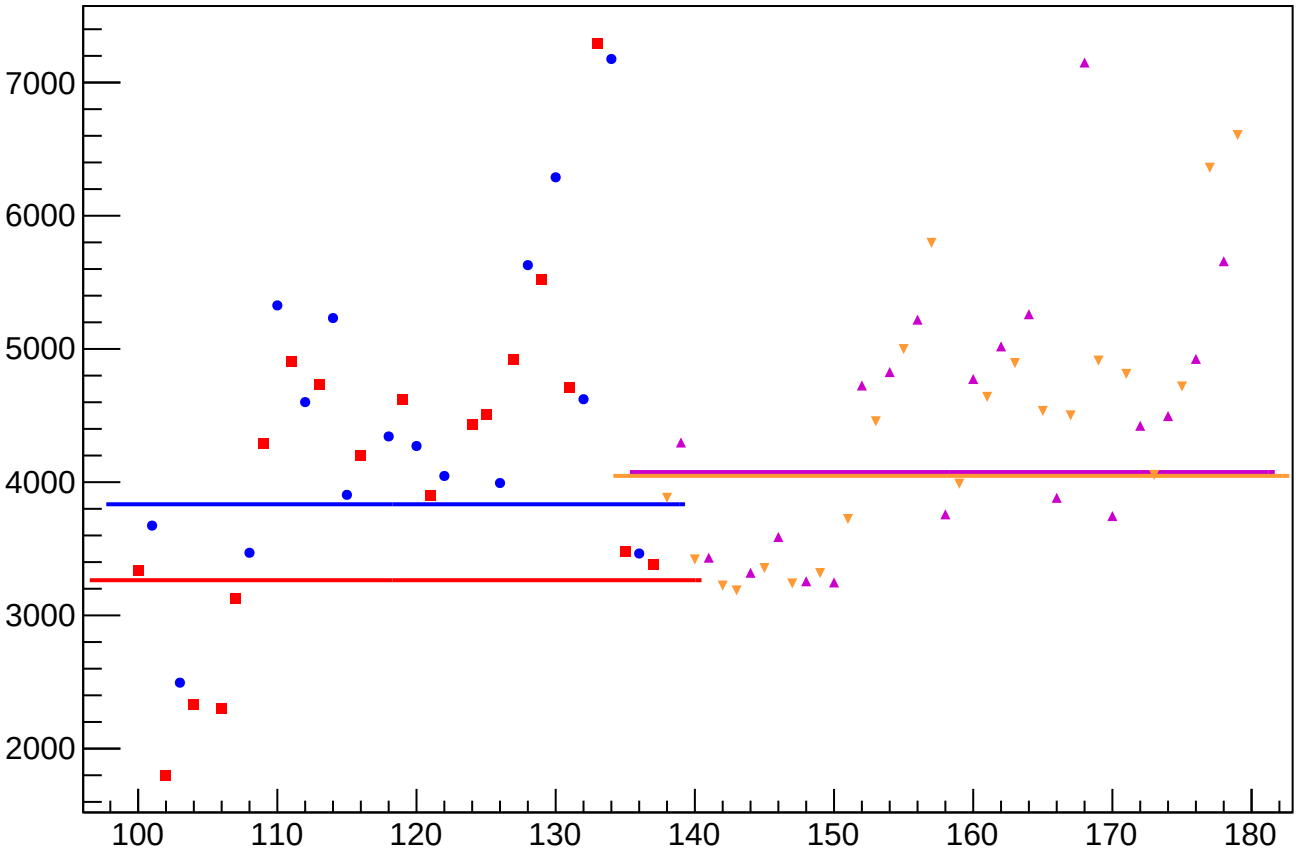
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1055.554+/-995.033 χ²/NDF:22.3/21
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -282.027+/-1031.876 χ²/NDF:14.1/19
Left: -682.846+/-716.265 χ²/NDF: 36.7/41
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 174.495+/-846.315 χ²/NDF:28.1/35
Out: -350.281+/-791.757 χ²/NDF:39.3/40
All: -105.352+/-578.183 χ²/NDF: 67.6/76



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 4047.278+/-0.704 χ^2/NDF:1399650.4/21

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4076.130+/-0.730 χ^2/NDF:1252965.7/19

Left: 4061.180+/-0.506 χ^2/NDF: 2653426.2/41

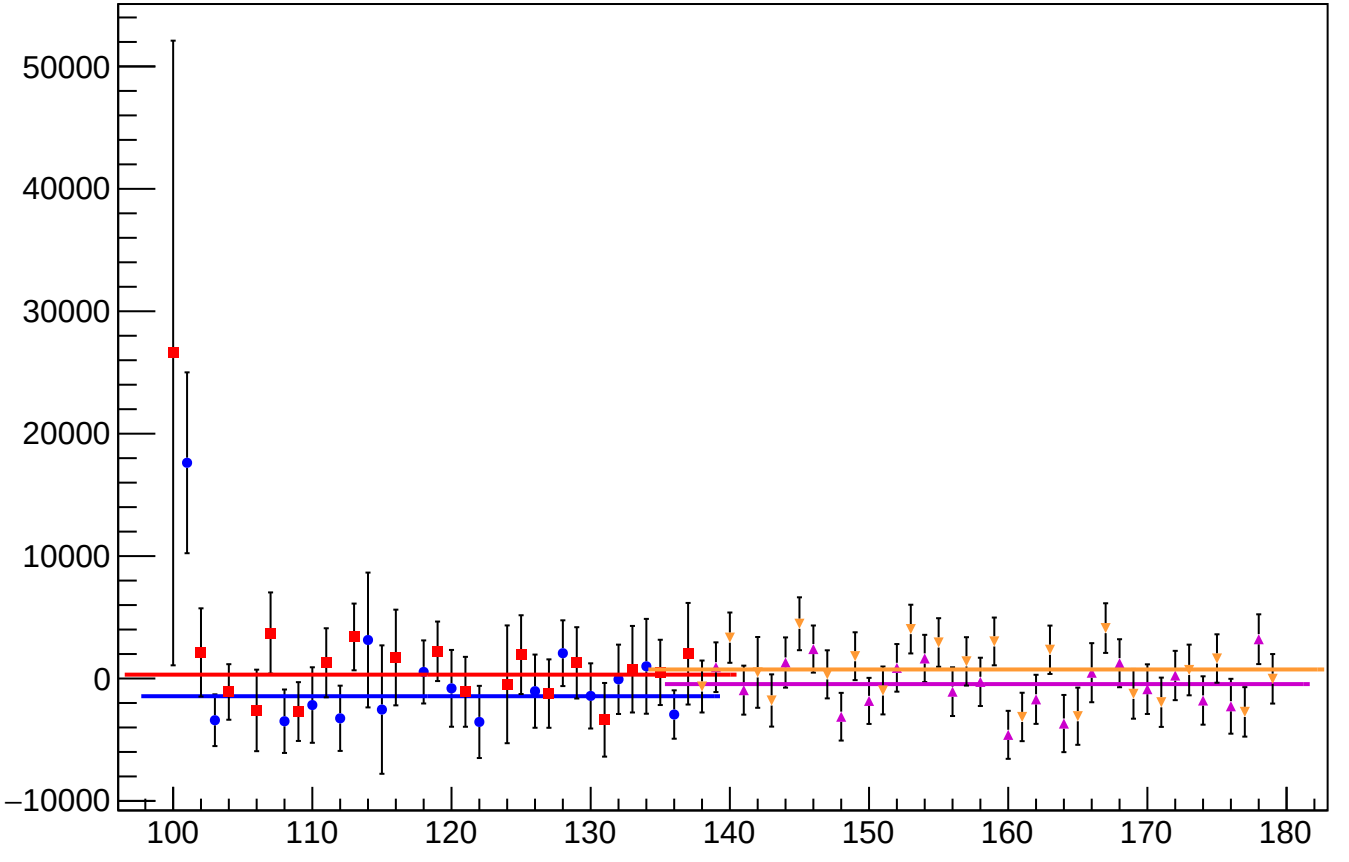
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3996.930+/-0.598 χ^2/NDF:2245737.4/35

Out: 3759.976+/-0.560 χ^2/NDF:3718408.0/40

All: 3870.570+/-0.409 χ^2/NDF: 6047751.9/76

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -456.435+/-451.765 χ^2/NDF:19.8/19

Left: 160.492+/-314.254 χ^2/NDF: 52.4/41

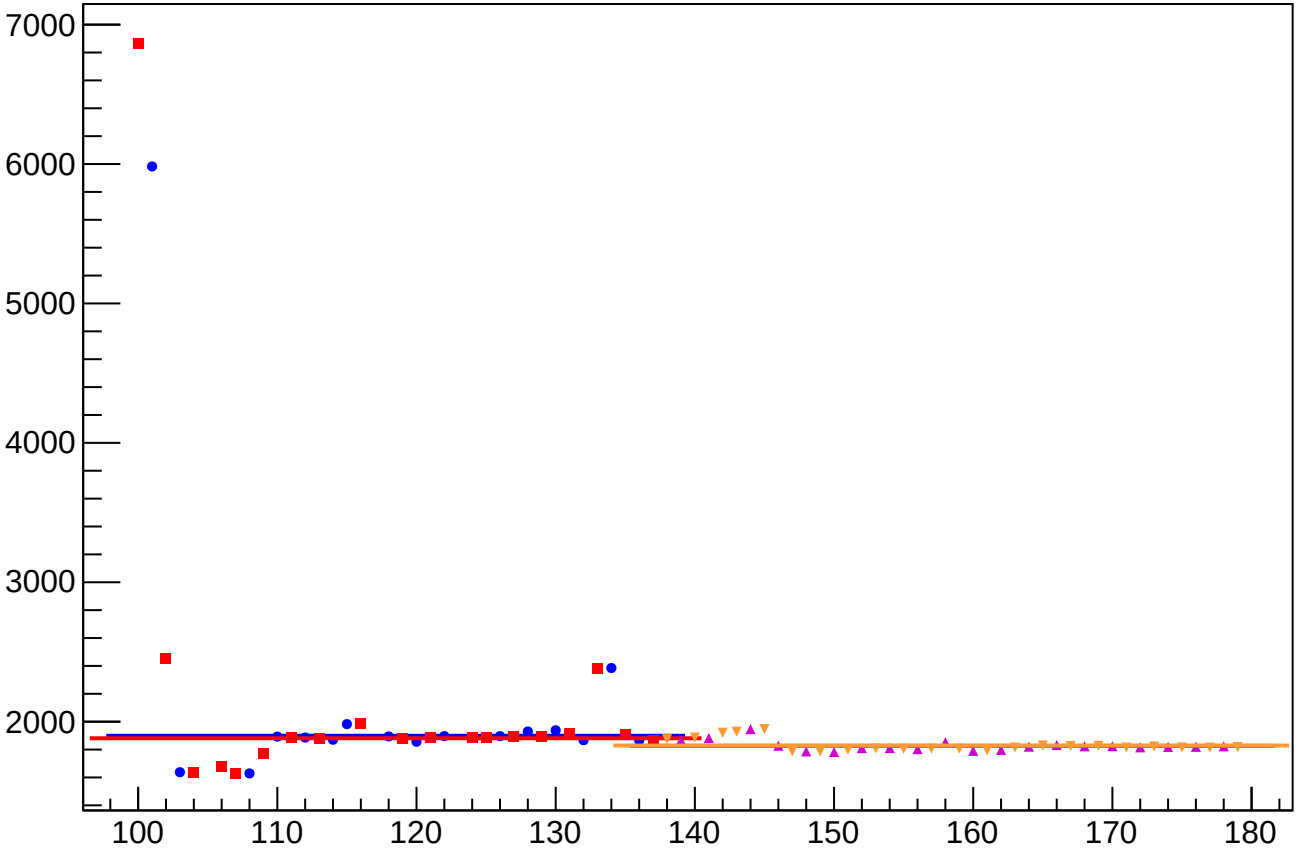
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -734.490+/-383.143 χ^2/NDF:34.6/35

Out: 620.843+/-371.486 χ^2/NDF:39.1/40

All: -35.892+/-266.706 χ^2/NDF: 80.2/76

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

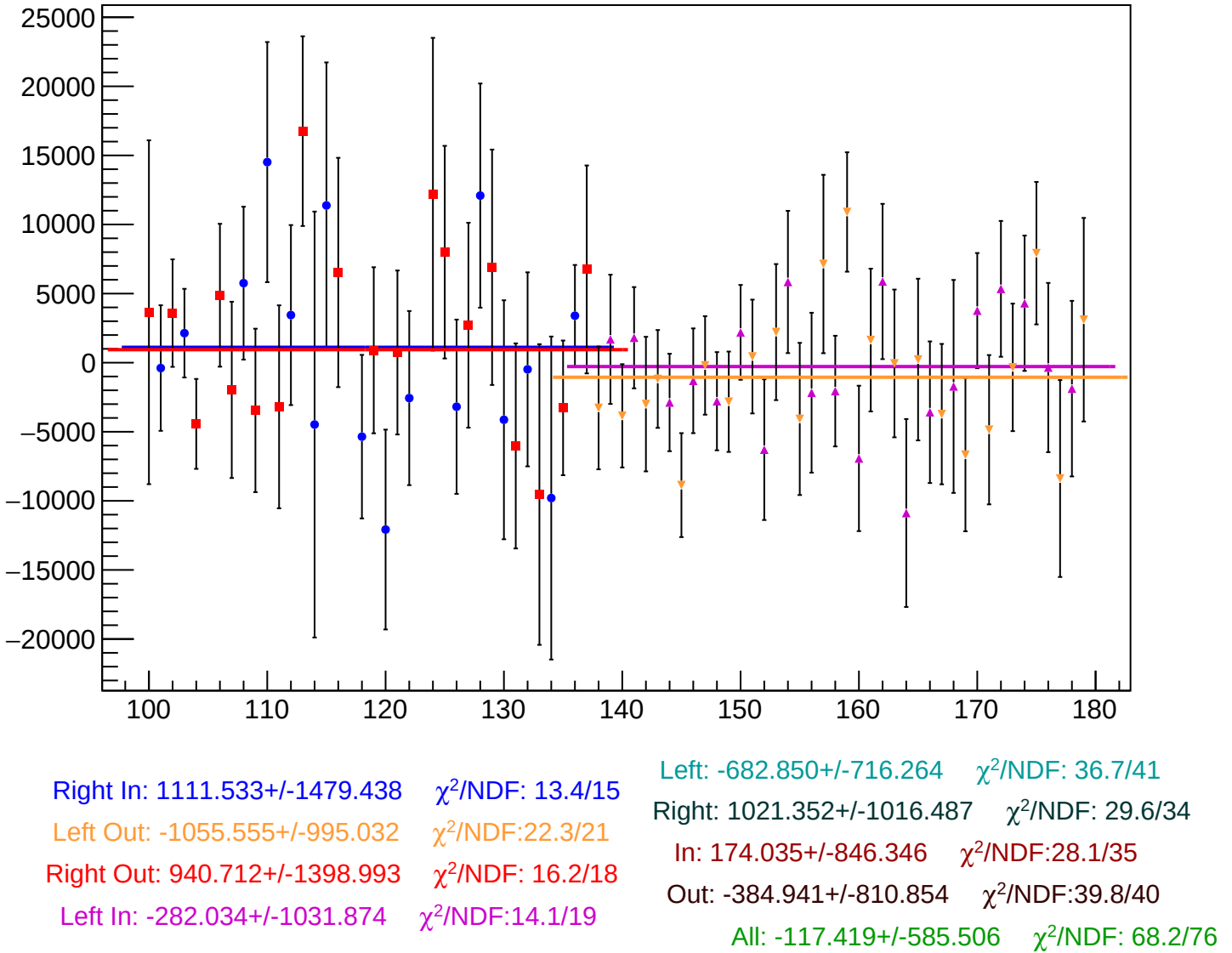
Left: 1827.563+/-0.222 χ^2/NDF: 32480.1/41

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1846.544+/-0.271 χ^2/NDF:725324.2/35

Out: 1843.457+/-0.263 χ^2/NDF:243660.1/40

All: 1844.952+/-0.189 χ^2/NDF: 969051.2/76


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
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−5000
−10000
−15000
−20000
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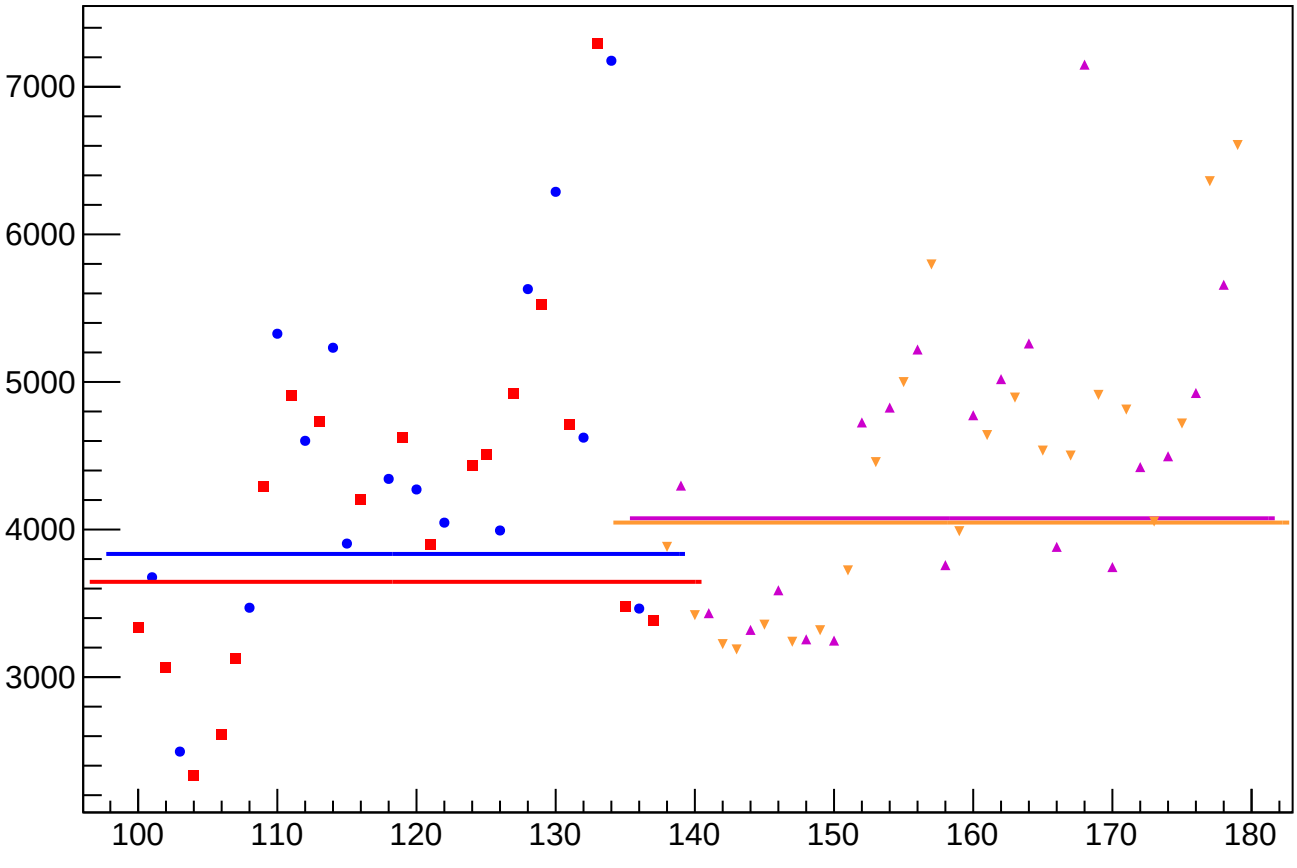
150
160
170
180
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1055.555+/-995.032 χ²/NDF:22.3/21
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -282.034+/-1031.874 χ²/NDF:14.1/19
Left: -682.850+/-716.264 χ²/NDF: 36.7/41
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 174.035+/-846.346 χ²/NDF:28.1/35
Out: -384.941+/-810.854 χ²/NDF:39.8/40
All: -117.419+/-585.506 χ²/NDF: 68.2/76



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

Left: 4061.174+/-0.506 χ^2/NDF: 2653431.4/41

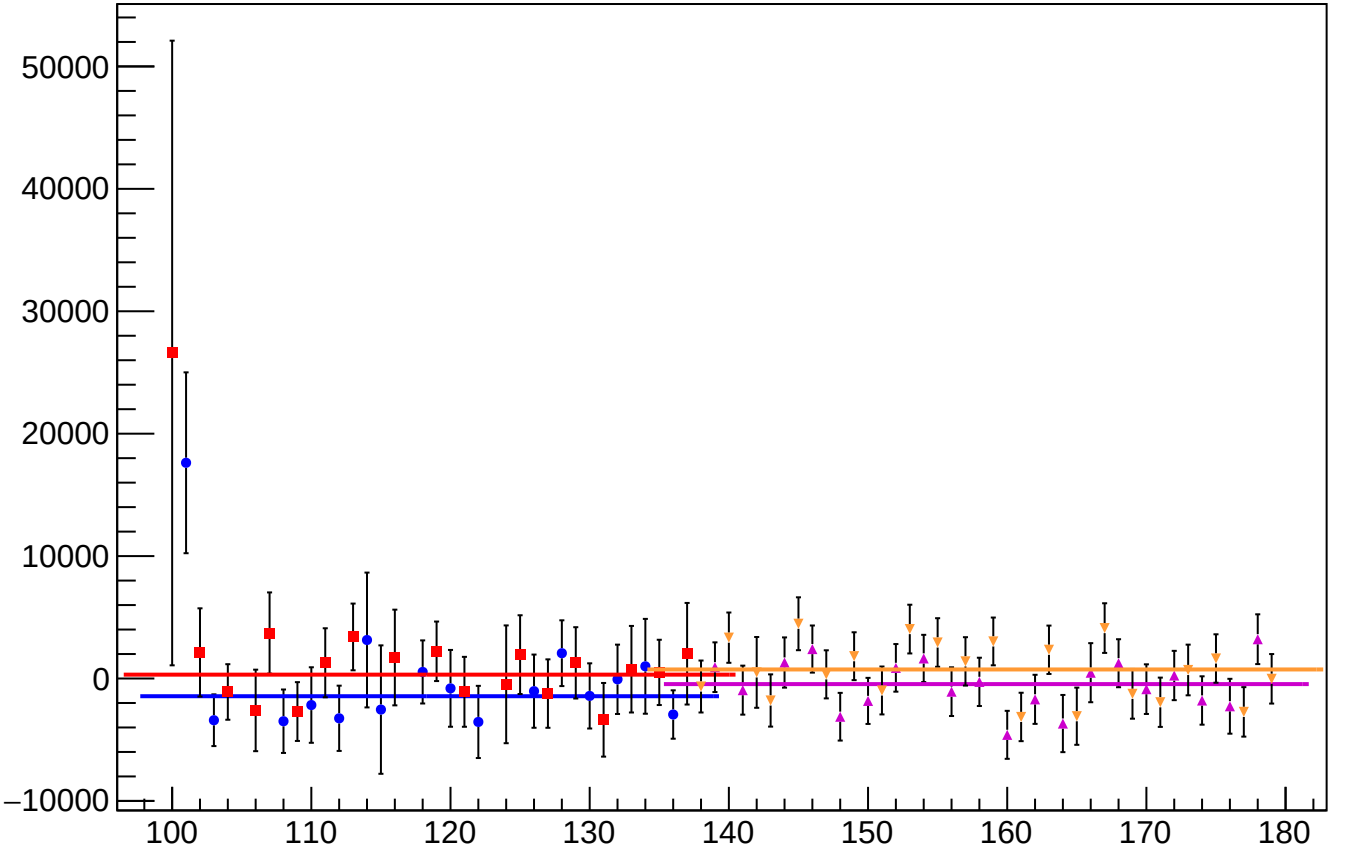
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3997.110+/-0.598 χ^2/NDF:2245121.8/35

Out: 3912.368+/-0.573 χ^2/NDF:2634062.4/40

All: 3952.925+/-0.414 χ^2/NDF: 4889638.7/76

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 738.876+/-437.426 χ^2/NDF:29.0/21

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -456.435+/-451.765 χ^2/NDF:19.8/19

Left: 160.492+/-314.254 χ^2/NDF: 52.4/41

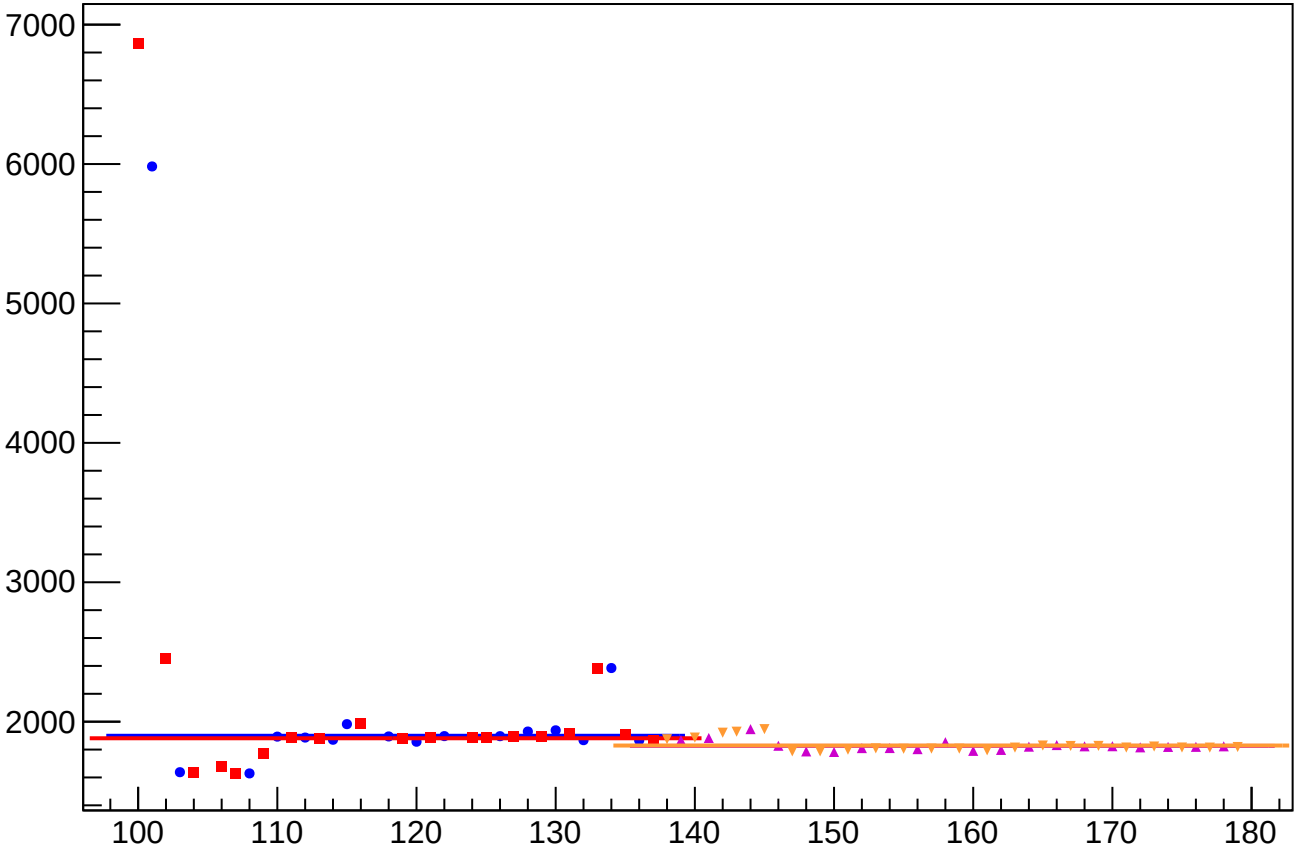
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -734.490+/-383.143 χ^2/NDF:34.6/35

Out: 620.843+/-371.486 χ^2/NDF:39.1/40

All: -35.892+/-266.706 χ^2/NDF: 80.2/76

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1828.898+/-0.309 χ^2/NDF:19166.2/21

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.139+/-0.319 χ^2/NDF:13275.4/19

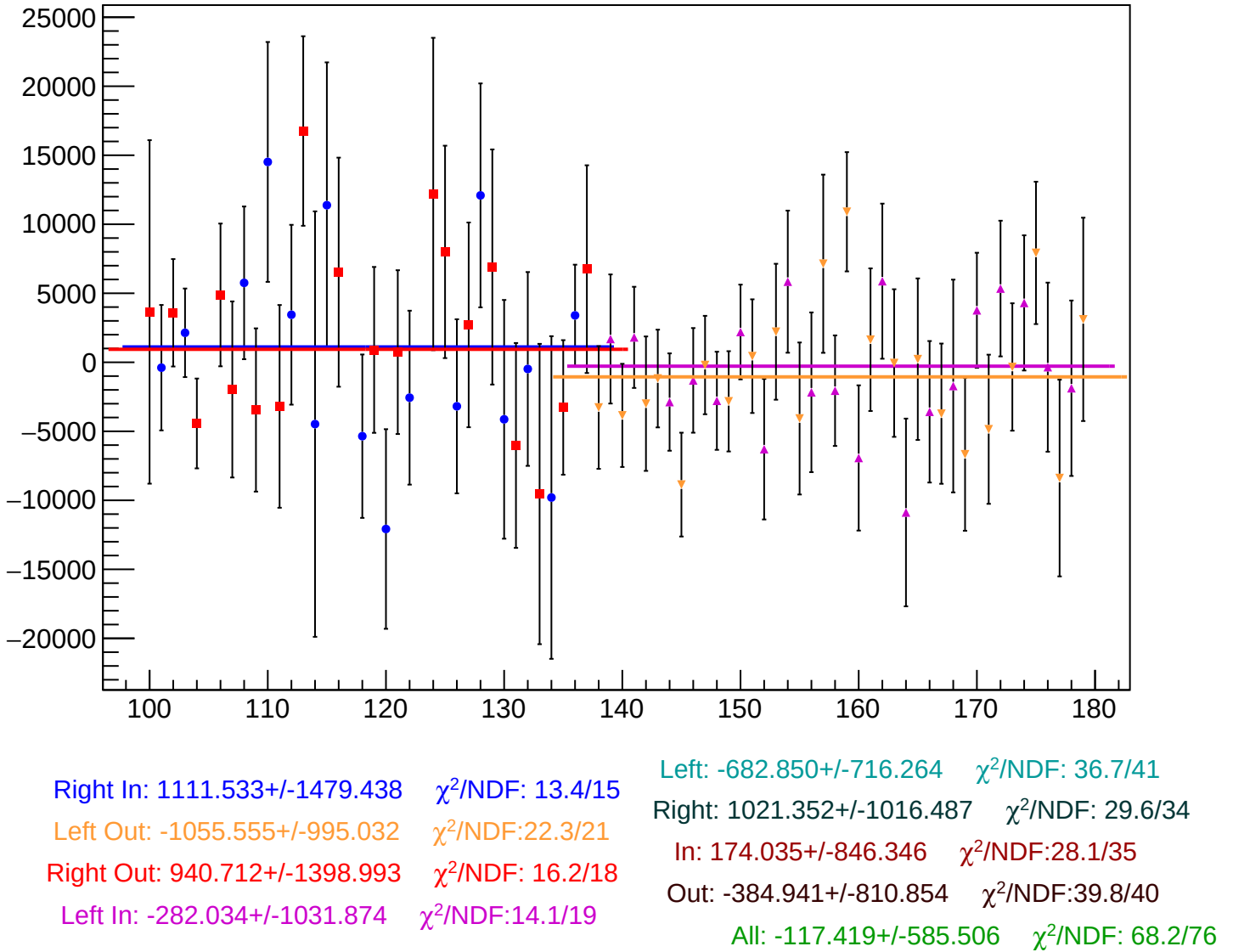
Left: 1827.563+/-0.222 χ^2/NDF: 32480.1/41

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1846.544+/-0.271 χ^2/NDF:725324.2/35

Out: 1843.457+/-0.263 χ^2/NDF:243660.1/40

All: 1844.952+/-0.189 χ^2/NDF: 969051.2/76


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
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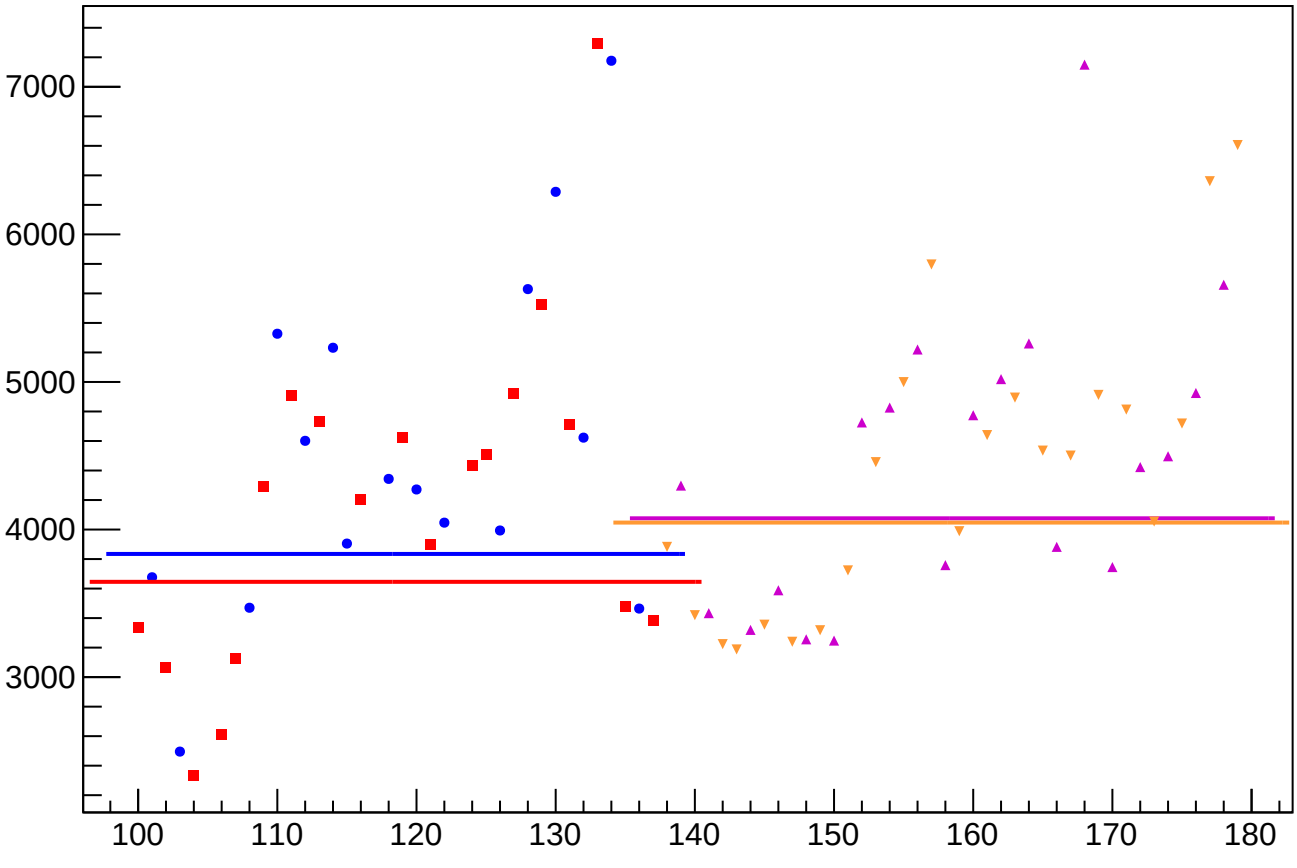
170
180
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1055.555+/-995.032 χ²/NDF:22.3/21
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -282.034+/-1031.874 χ²/NDF:14.1/19
Left: -682.850+/-716.264 χ²/NDF: 36.7/41
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 174.035+/-846.346 χ²/NDF:28.1/35
Out: -384.941+/-810.854 χ²/NDF:39.8/40
All: -117.419+/-585.506 χ²/NDF: 68.2/76



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 4047.274+/-0.704 χ^2/NDF:1399643.7/21

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

Left: 4061.174+/-0.506 χ^2/NDF: 2653431.4/41

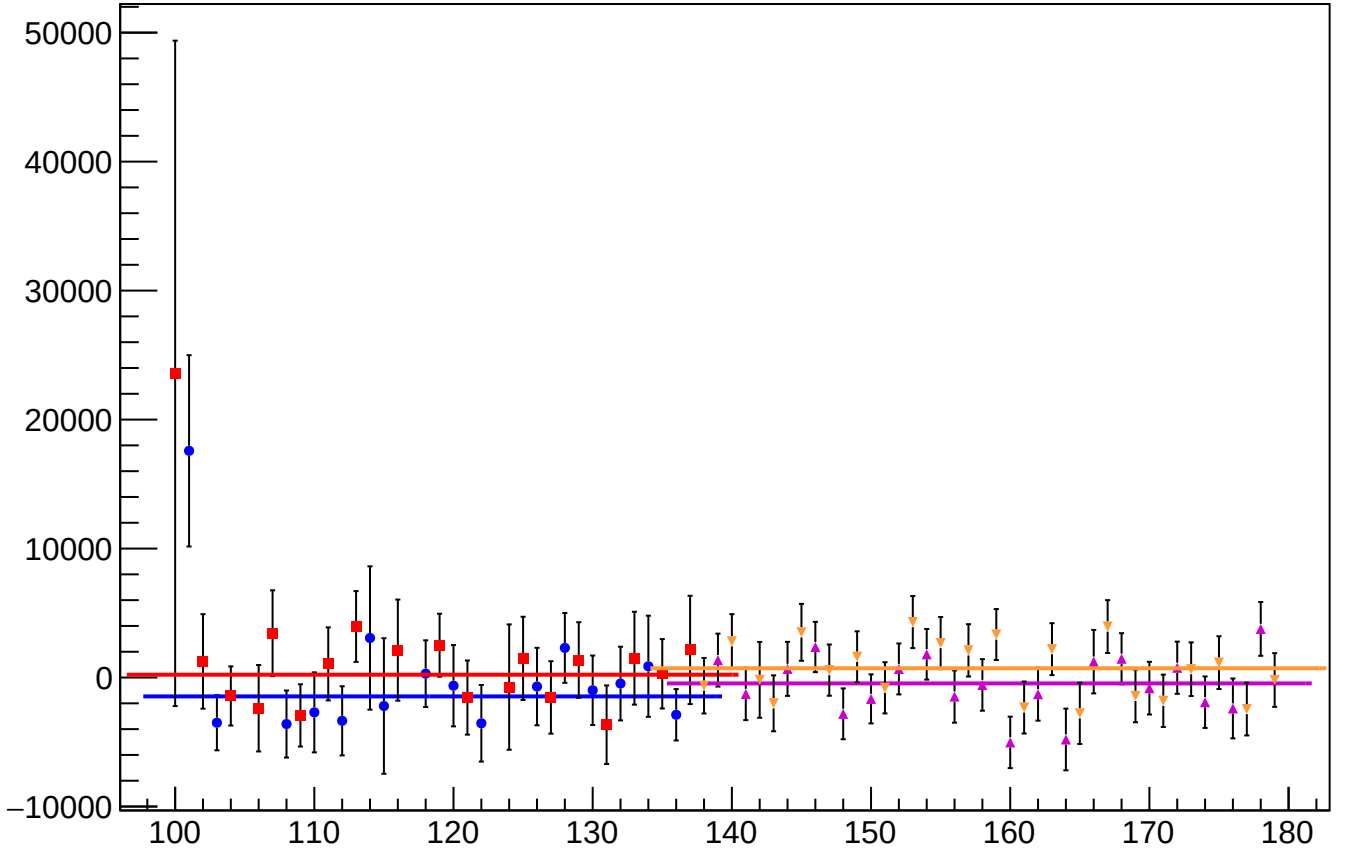
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3997.110+/-0.598 χ^2/NDF:2245121.8/35

Out: 3912.368+/-0.573 χ^2/NDF:2634062.4/40

All: 3952.925+/-0.414 χ^2/NDF: 4889638.7/76

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.944+/-444.541 χ^2/NDF:24.5/21

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -454.644+/-458.883 χ^2/NDF:22.9/19

Left: 151.292+/-319.288 χ^2/NDF: 50.8/41

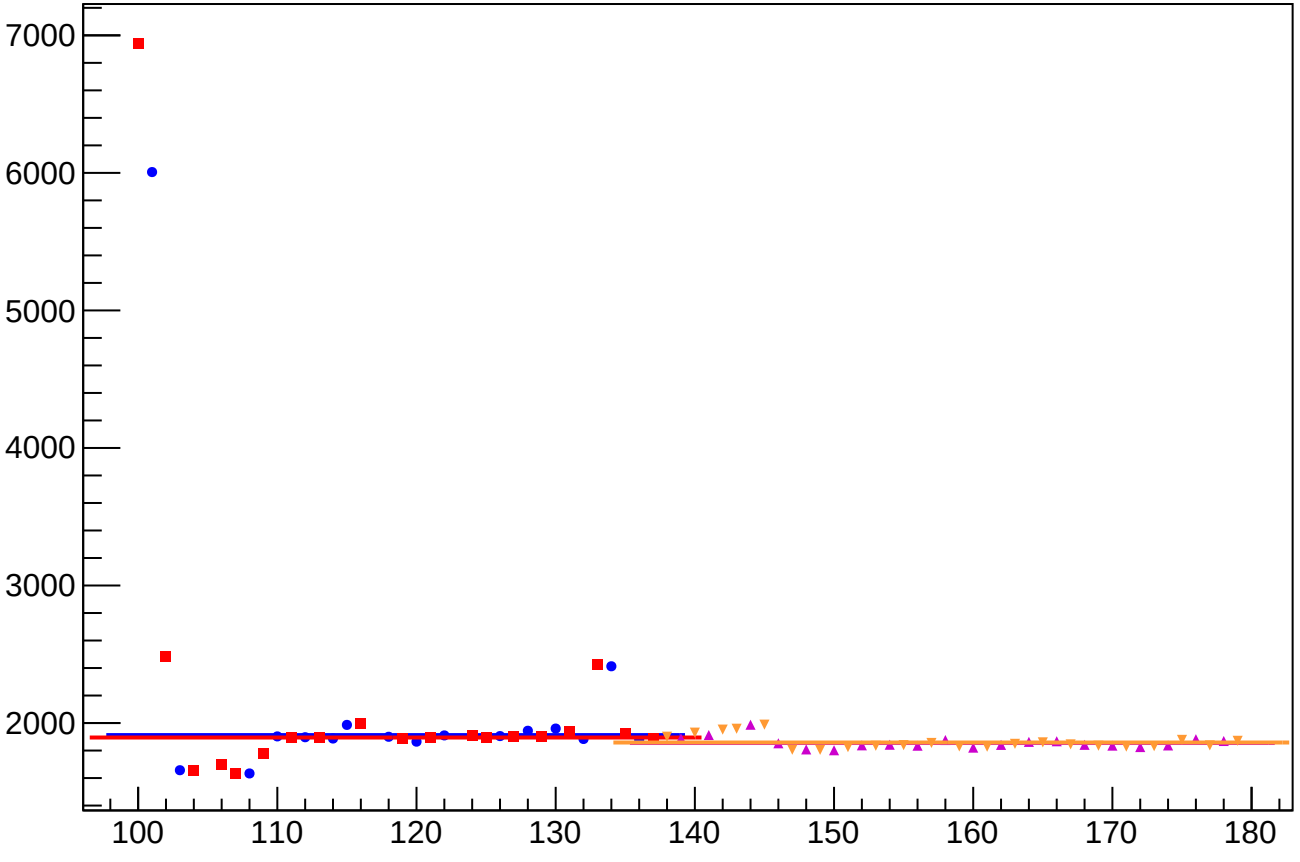
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -741.107+/-388.240 χ^2/NDF:37.9/35

Out: 578.746+/-376.609 χ^2/NDF:35.6/40

All: -61.115+/-270.321 χ^2/NDF: 79.4/76

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1858.444+/-0.314 χ^2/NDF:22731.9/21

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.761+/-0.324 χ^2/NDF:15480.7/19

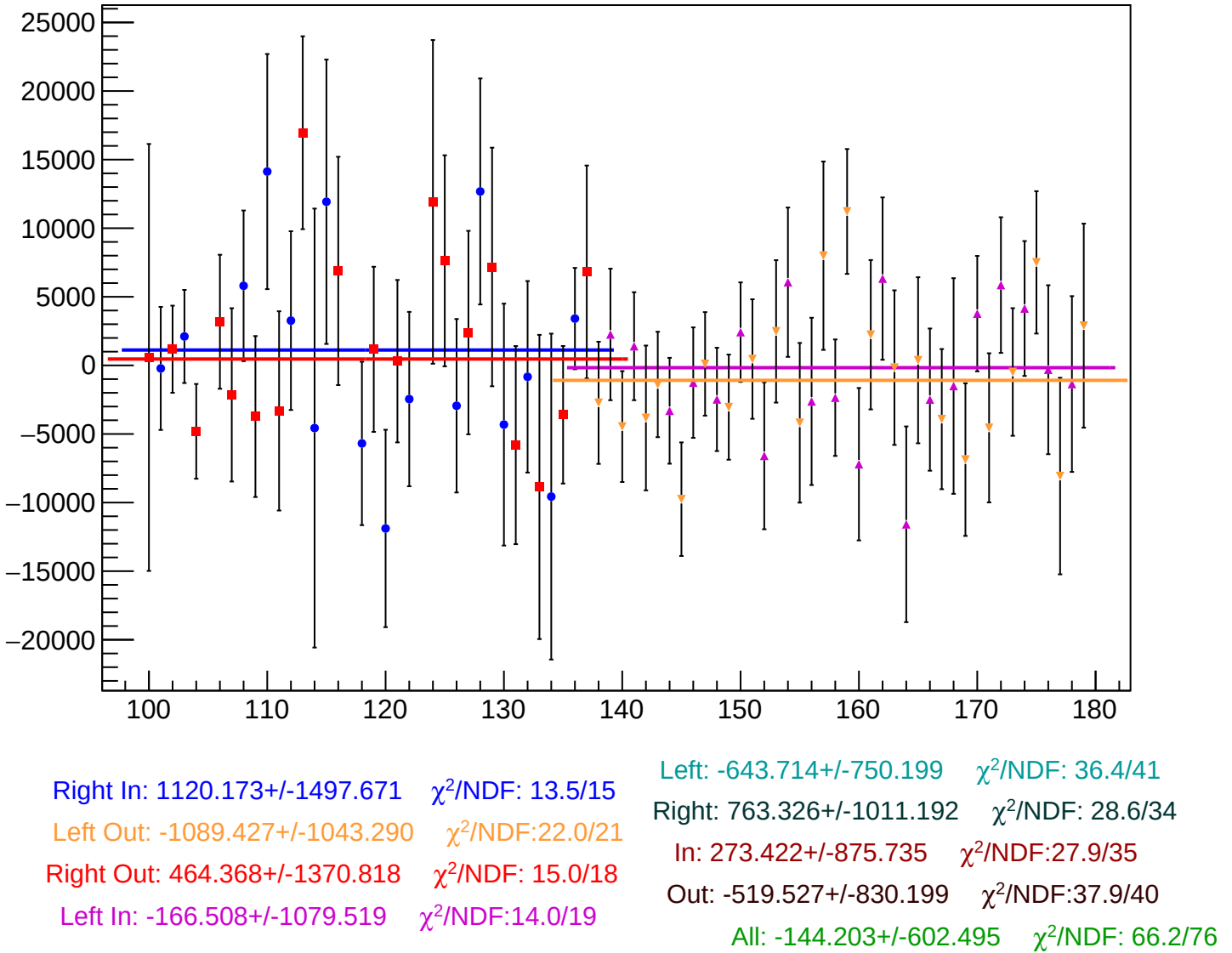
Left: 1856.661+/-0.226 χ^2/NDF: 38279.1/41

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1871.135+/-0.275 χ^2/NDF:720661.7/35

Out: 1868.712+/-0.266 χ^2/NDF:246288.0/40

All: 1869.886+/-0.191 χ^2/NDF: 966989.8/76


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
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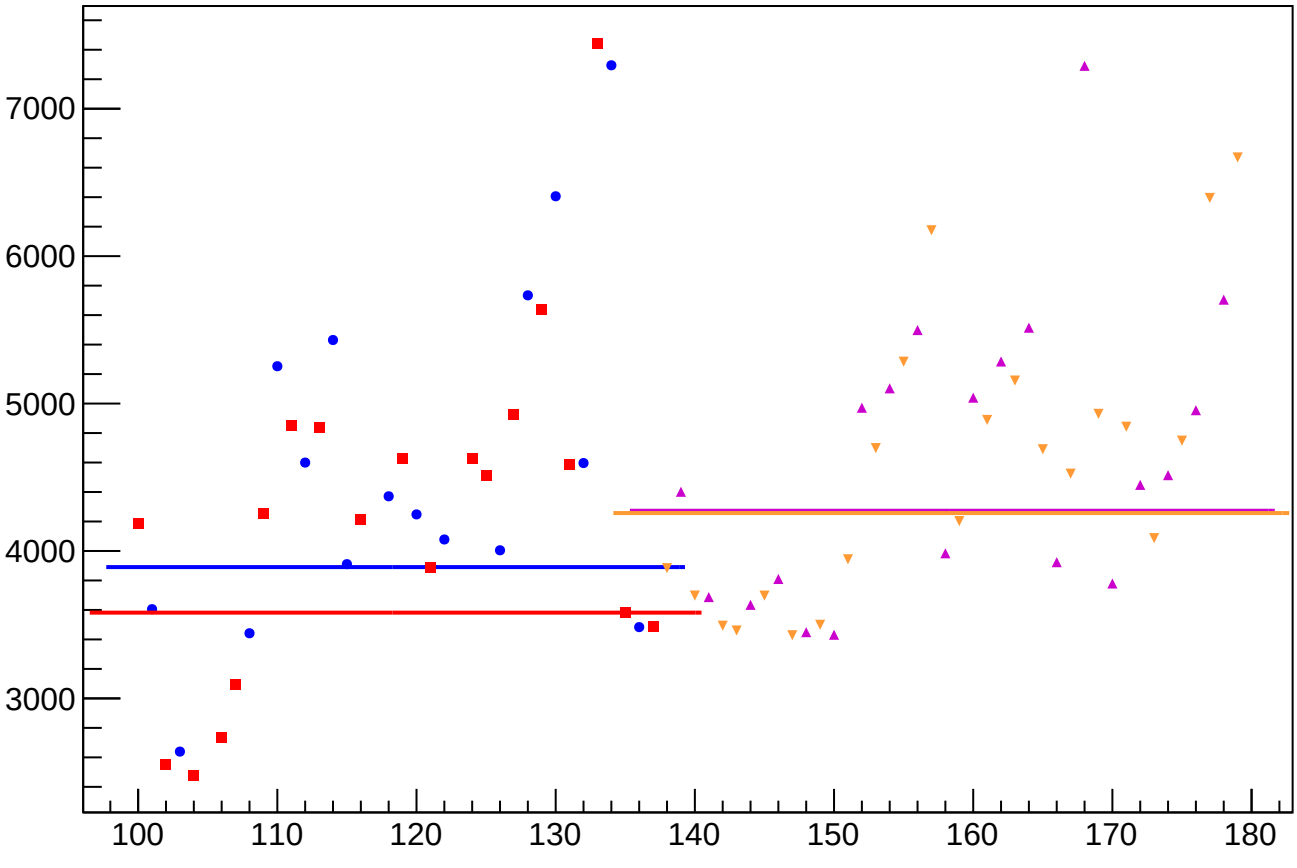
170
180
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -1089.427+/-1043.290 χ²/NDF:22.0/21
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -166.508+/-1079.519 χ²/NDF:14.0/19
Left: -643.714+/-750.199 χ²/NDF: 36.4/41
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 273.422+/-875.735 χ²/NDF:27.9/35
Out: -519.527+/-830.199 χ²/NDF:37.9/40
All: -144.203+/-602.495 χ²/NDF: 66.2/76



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4257.286+/-0.738 χ^2/NDF:1190127.4/21

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4272.897+/-0.763 χ^2/NDF:1121396.8/19

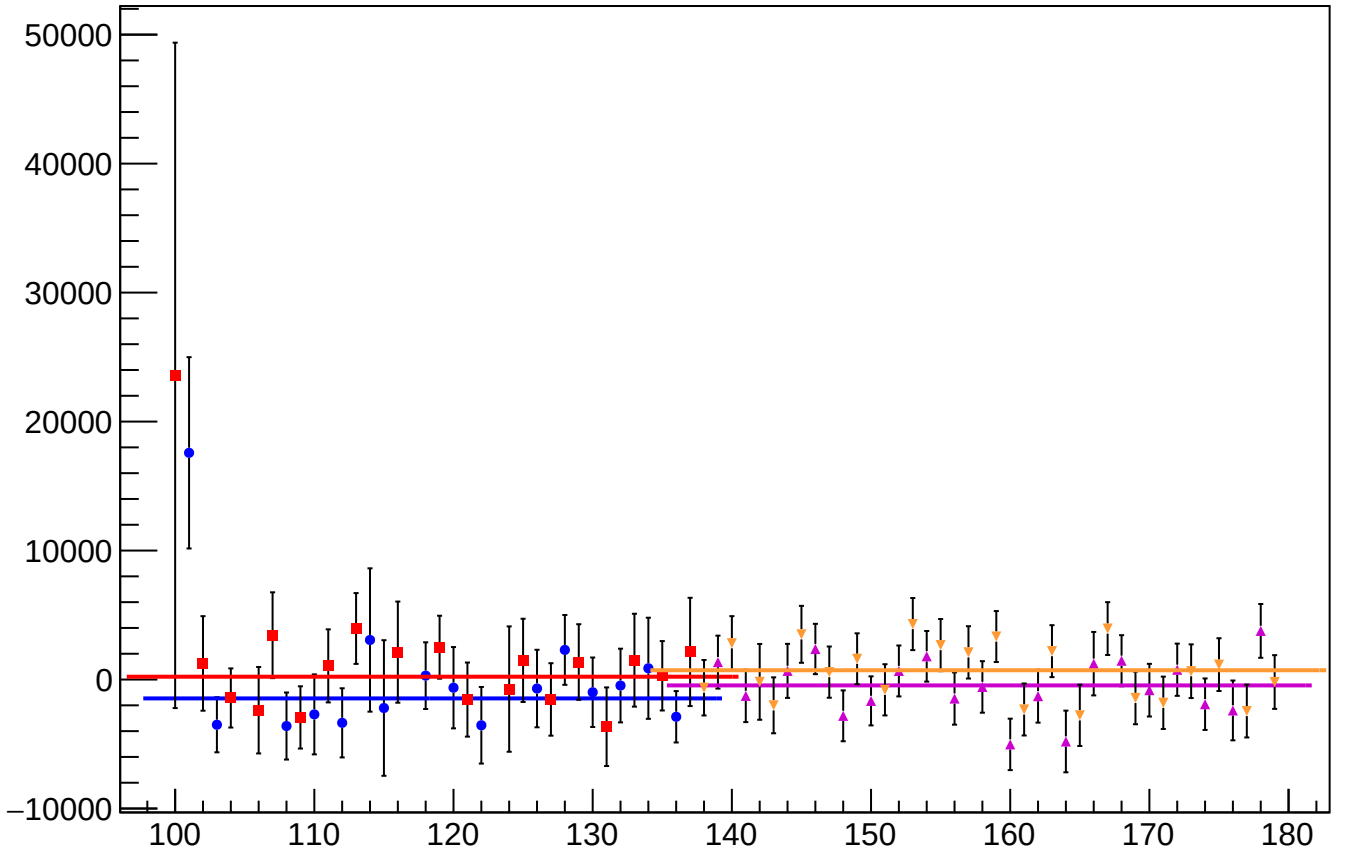
Left: 4264.825+/-0.530 χ^2/NDF: 2311740.5/41

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4142.223+/-0.619 χ^2/NDF:2085526.6/35

Out: 4009.524+/-0.587 χ^2/NDF:2719509.7/40

All: 4072.334+/-0.426 χ^2/NDF: 4829222.0/76



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 719.950+/-444.541 χ^2/NDF:24.5/21

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -454.646+/-458.883 χ^2/NDF:22.9/19

Left: 151.294+/-319.288 χ^2/NDF: 50.8/41

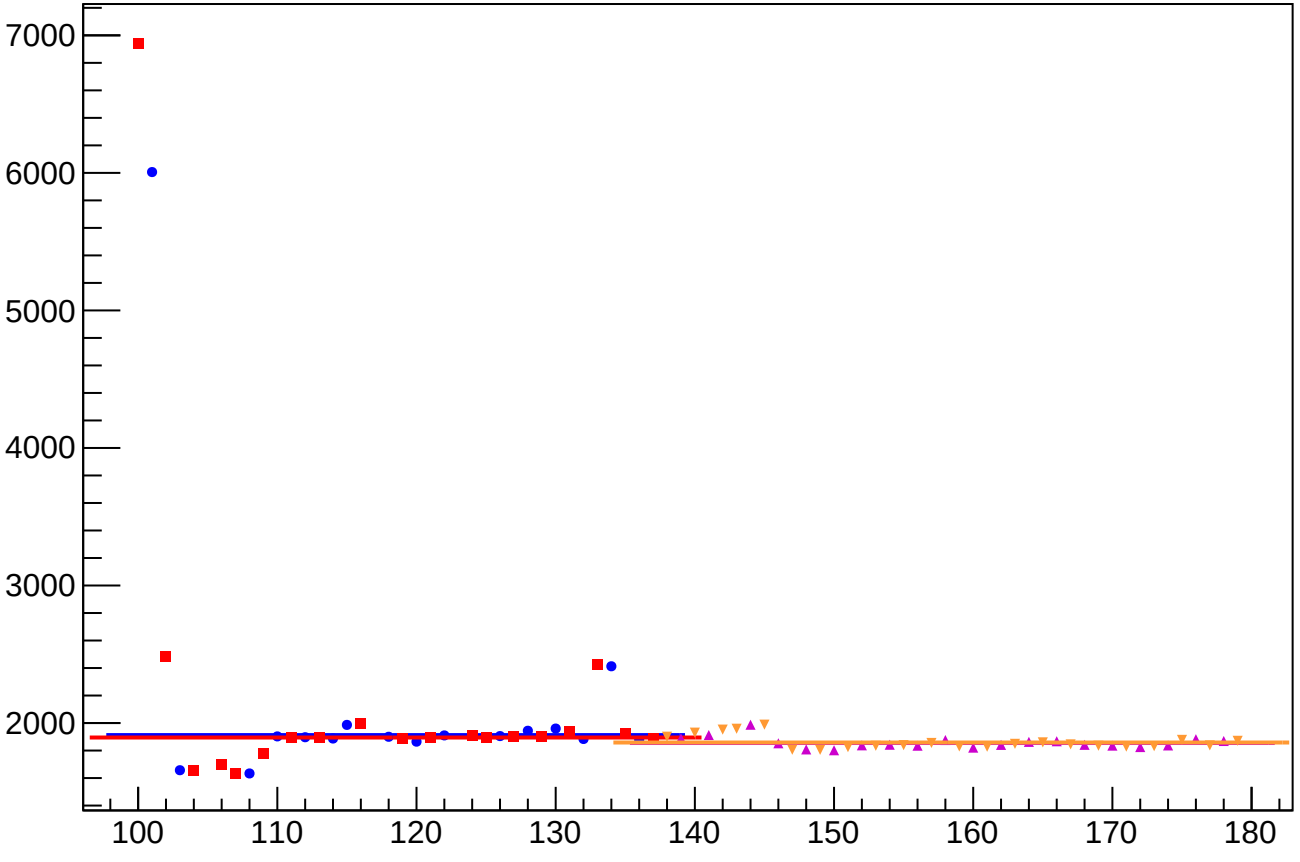
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -741.110+/-388.240 χ^2/NDF:37.9/35

Out: 578.748+/-376.609 χ^2/NDF:35.6/40

All: -61.115+/-270.321 χ^2/NDF: 79.4/76

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1858.444+/-0.314 χ^2/NDF:22732.0/21

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.762+/-0.324 χ^2/NDF:15480.6/19

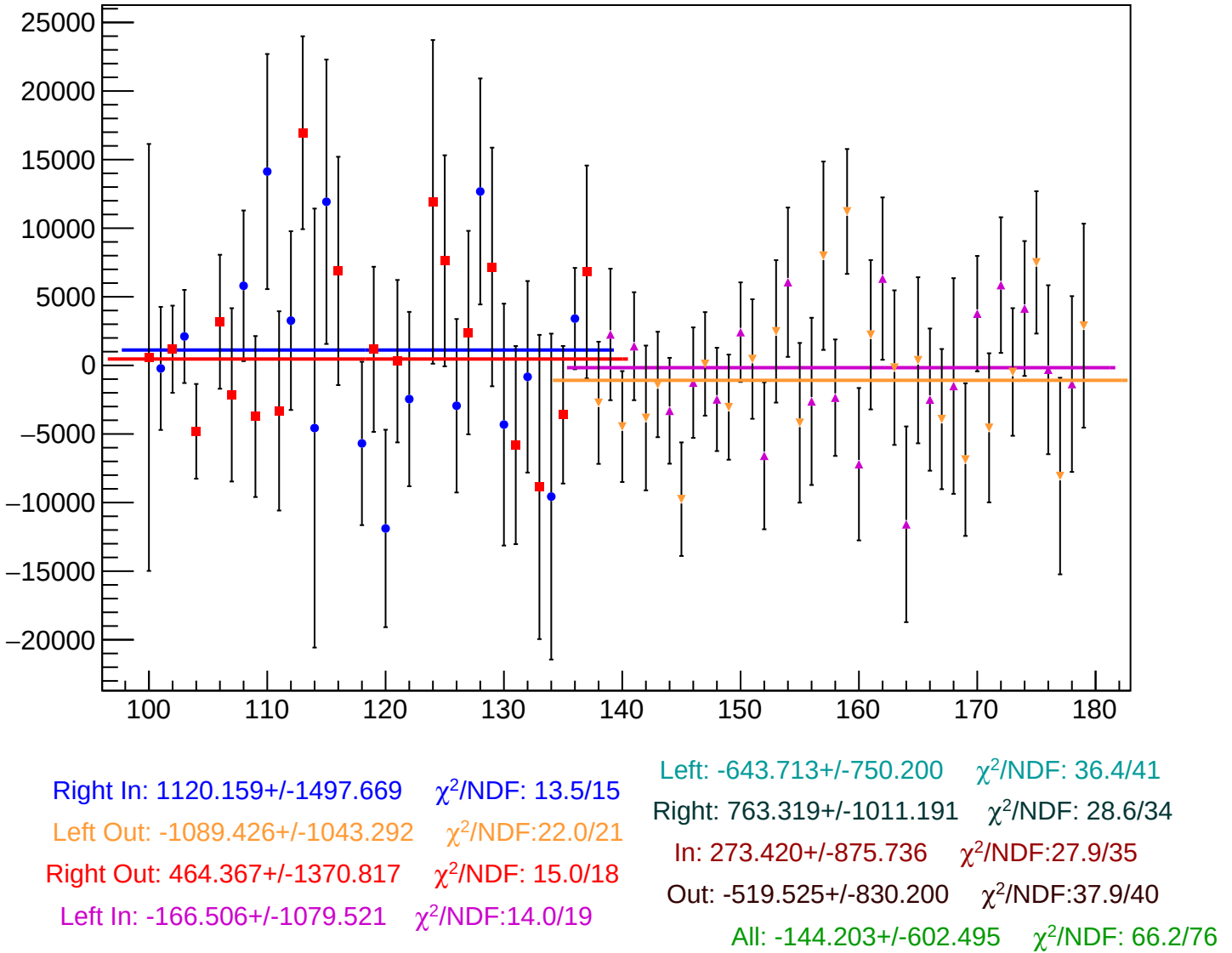
Left: 1856.661+/-0.226 χ^2/NDF: 38279.0/41

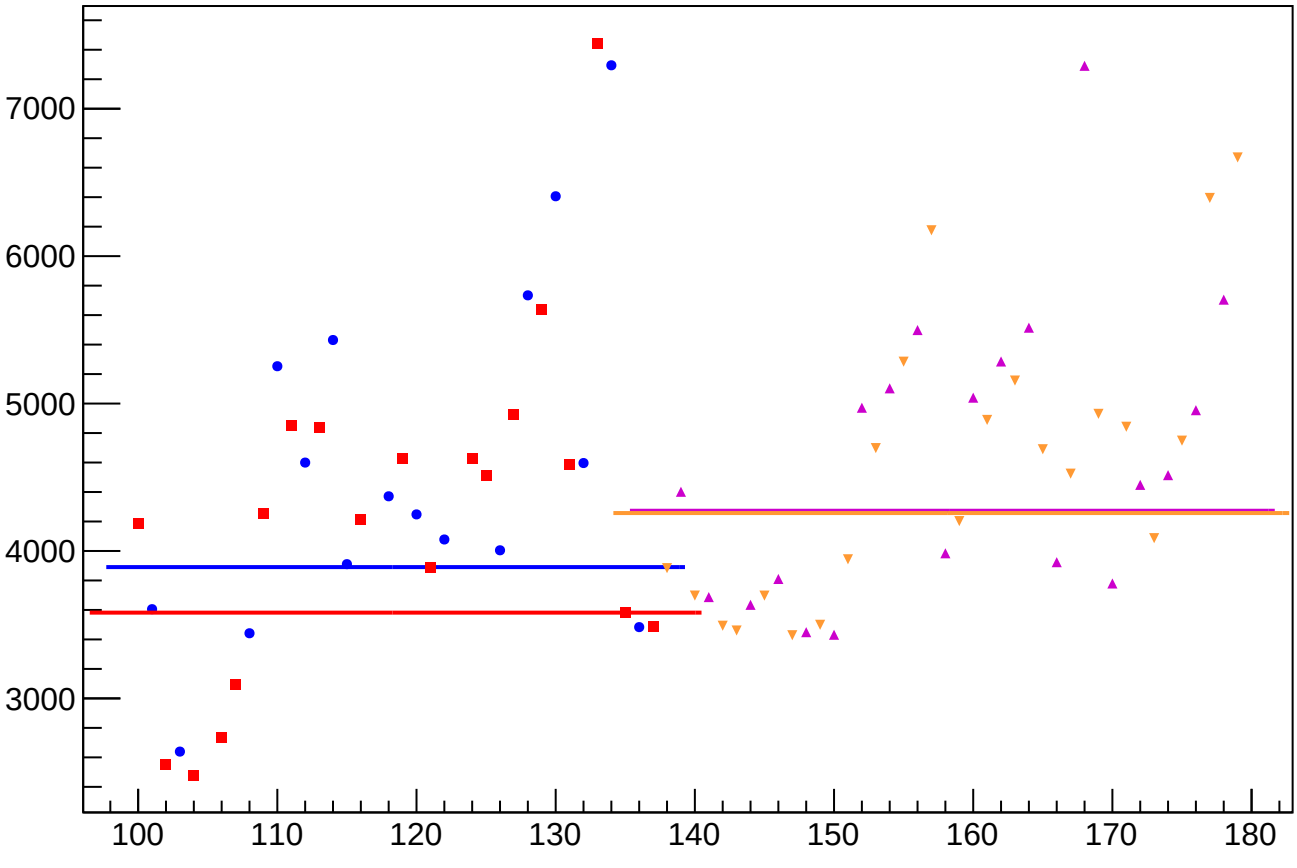
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1871.136+/-0.275 χ^2/NDF:720661.2/35

Out: 1868.712+/-0.266 χ^2/NDF:246287.9/40

All: 1869.887+/-0.191 χ^2/NDF: 966989.2/76


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -1089.426+/-1043.292 χ²/NDF:22.0/21
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: -166.506+/-1079.521 χ²/NDF:14.0/19
Left: -643.713+/-750.200 χ²/NDF: 36.4/41
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: 273.420+/-875.736 χ²/NDF:27.9/35
Out: -519.525+/-830.200 χ²/NDF:37.9/40
All: -144.203+/-602.495 χ²/NDF: 66.2/76



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4257.293+/-0.738 χ^2/NDF:1190130.3/21

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4272.904+/-0.763 χ^2/NDF:1121400.9/19

Left: 4264.832+/-0.530 χ^2/NDF: 2311747.4/41

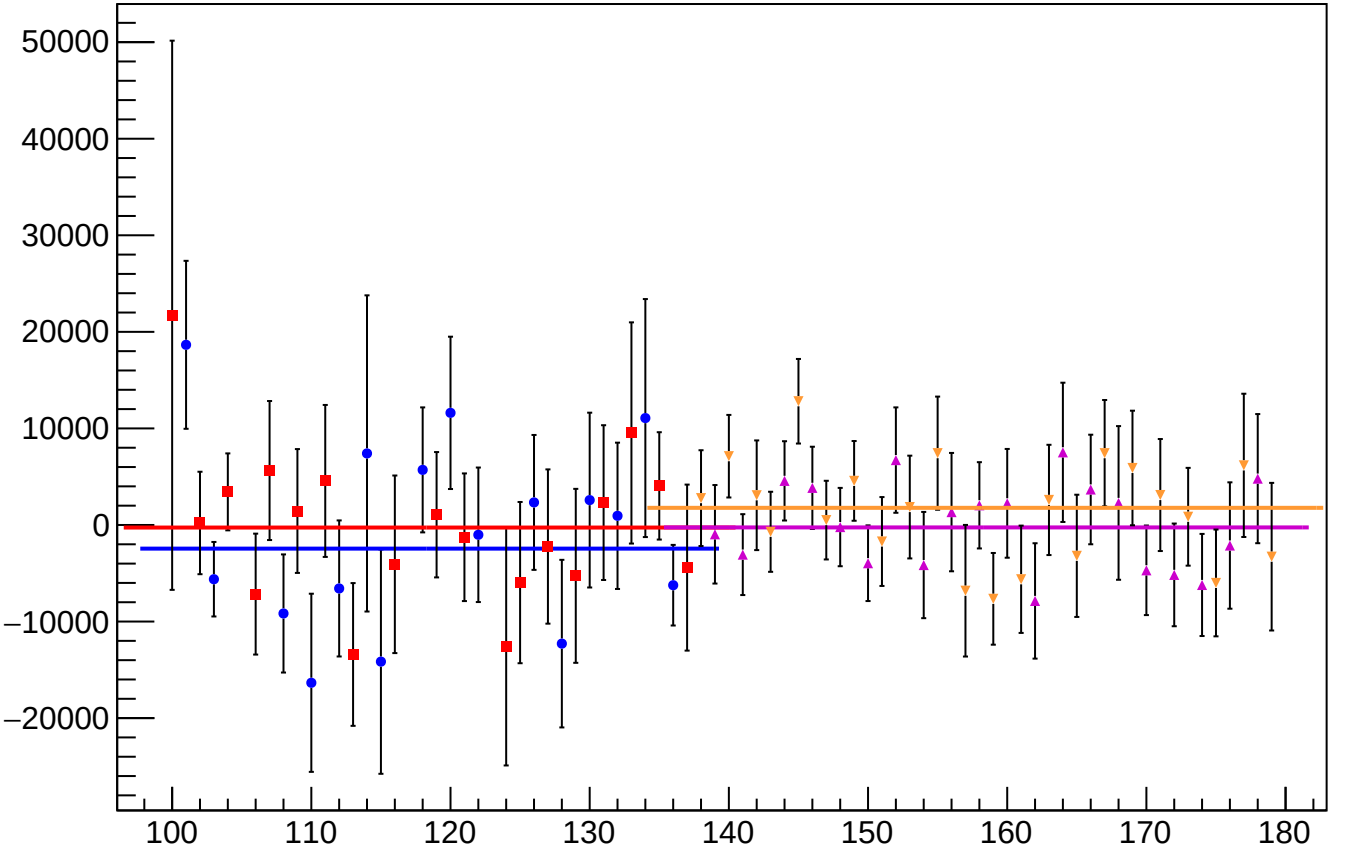
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4142.226+/-0.619 χ^2/NDF:2085525.8/35

Out: 4009.527+/-0.587 χ^2/NDF:2719513.1/40

All: 4072.337+/-0.426 χ^2/NDF: 4829224.6/76

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1775.733+/-1104.762 χ^2/NDF:22.8/21

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -252.891+/-1140.969 χ^2/NDF:13.4/19

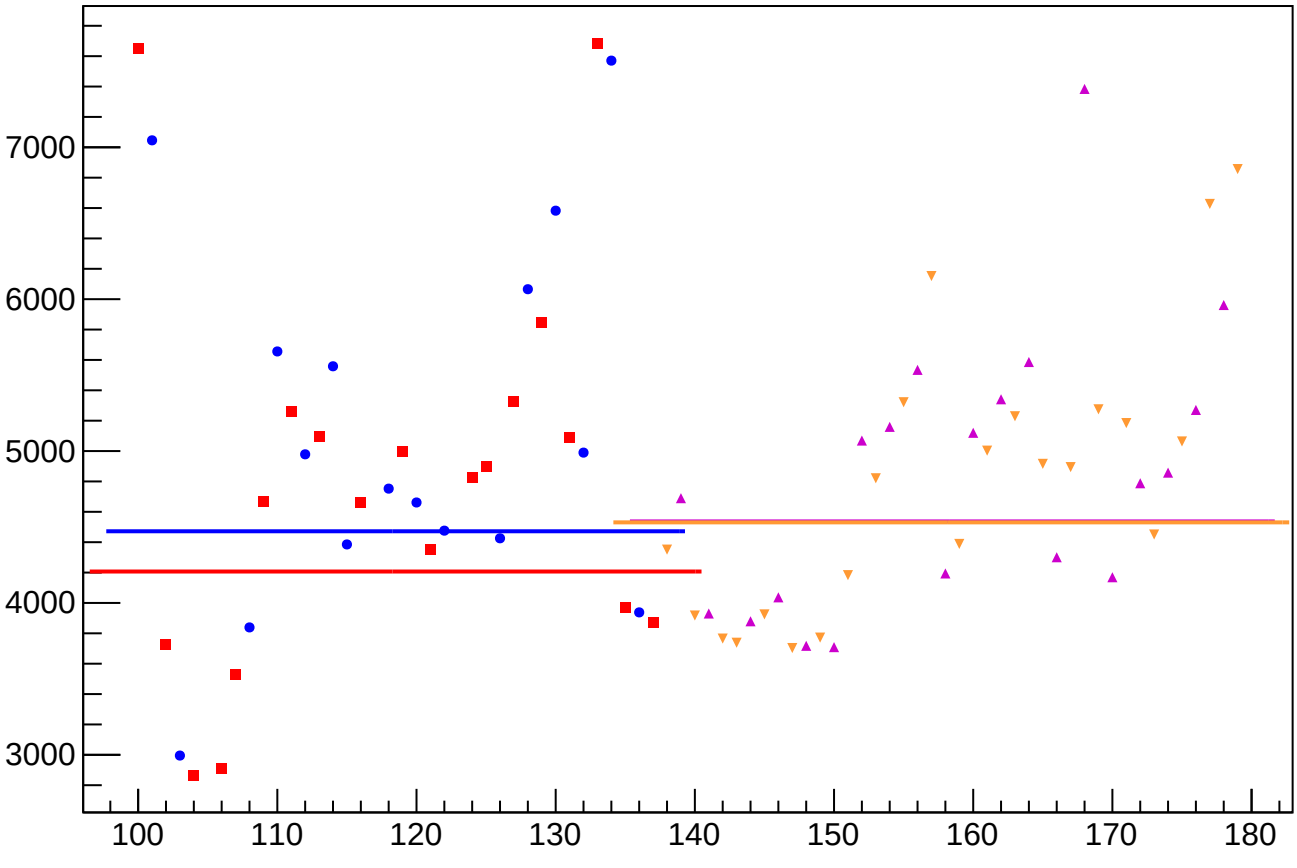
Left: 794.120+/-793.676 χ^2/NDF: 37.8/41

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -923.906+/-950.743 χ^2/NDF:35.4/35

Out: 1129.059+/-913.187 χ^2/NDF:34.5/40

All: 143.925+/-658.598 χ^2/NDF: 72.4/76



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4530.540+/-0.781 χ^2/NDF:991882.2/21

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4536.781+/-0.807 χ^2/NDF:902839.6/19

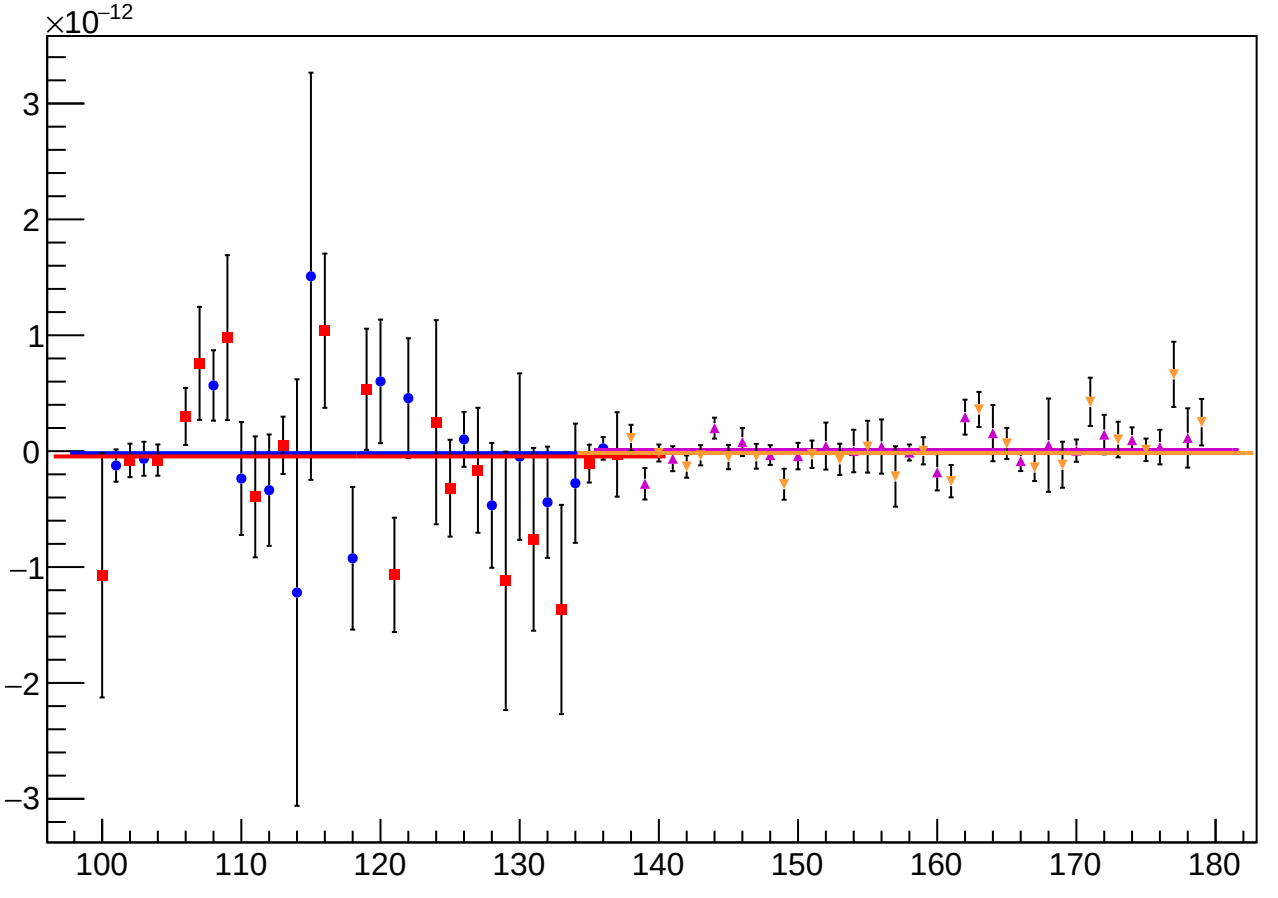
Left: 4533.560+/-0.561 χ^2/NDF: 1894752.8/41

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4516.951+/-0.672 χ^2/NDF:1796494.5/35

Out: 4426.880+/-0.644 χ^2/NDF:1893381.5/40

All: 4469.984+/-0.465 χ^2/NDF: 3699236.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/19

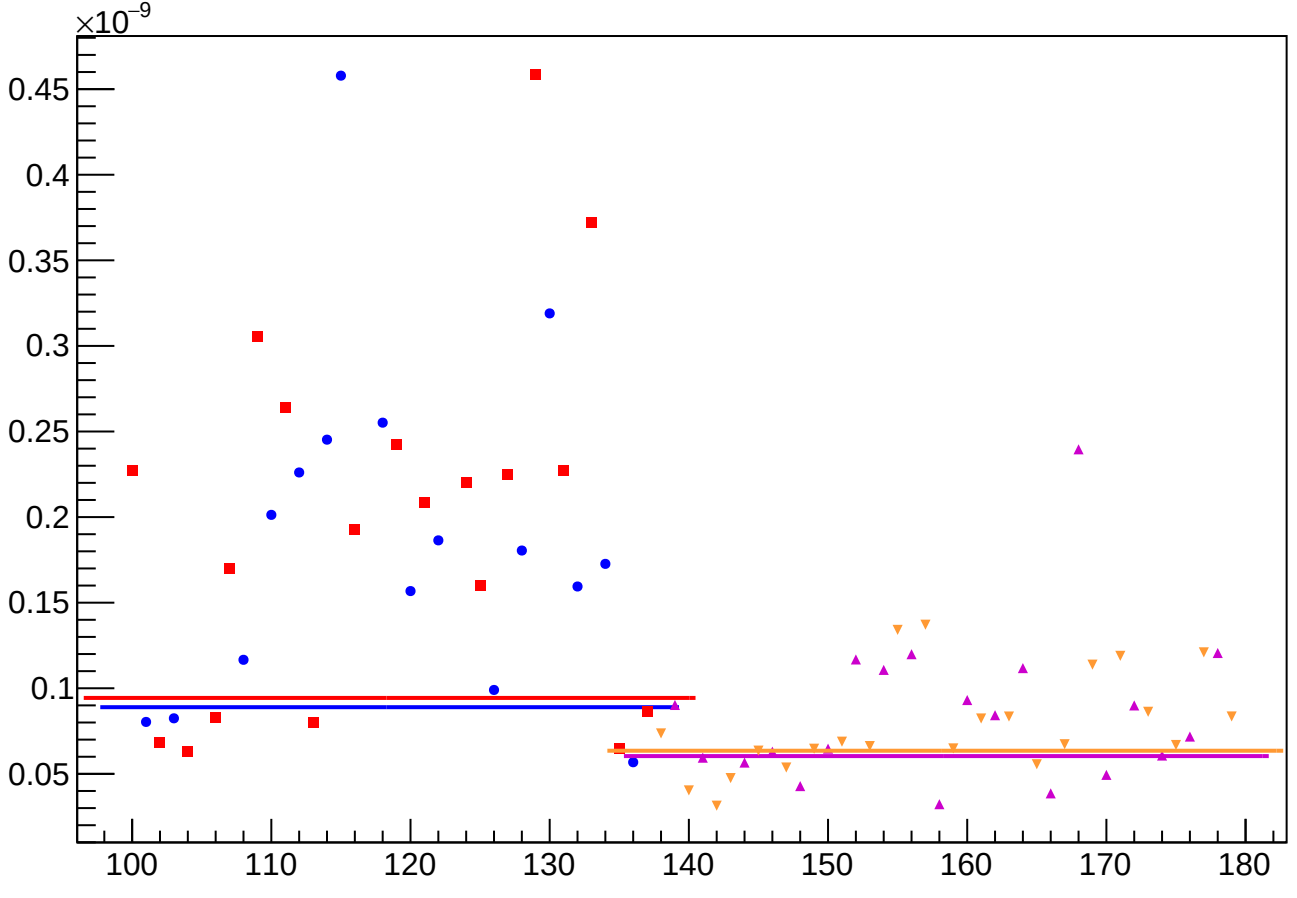
Left: -0.000+/-0.000 χ^2/NDF: 50.6/41

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.4/35

Out: -0.000+/-0.000 χ^2/NDF:53.0/40

All: -0.000+/-0.000 χ^2/NDF: 85.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1385961.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1917248.5/19

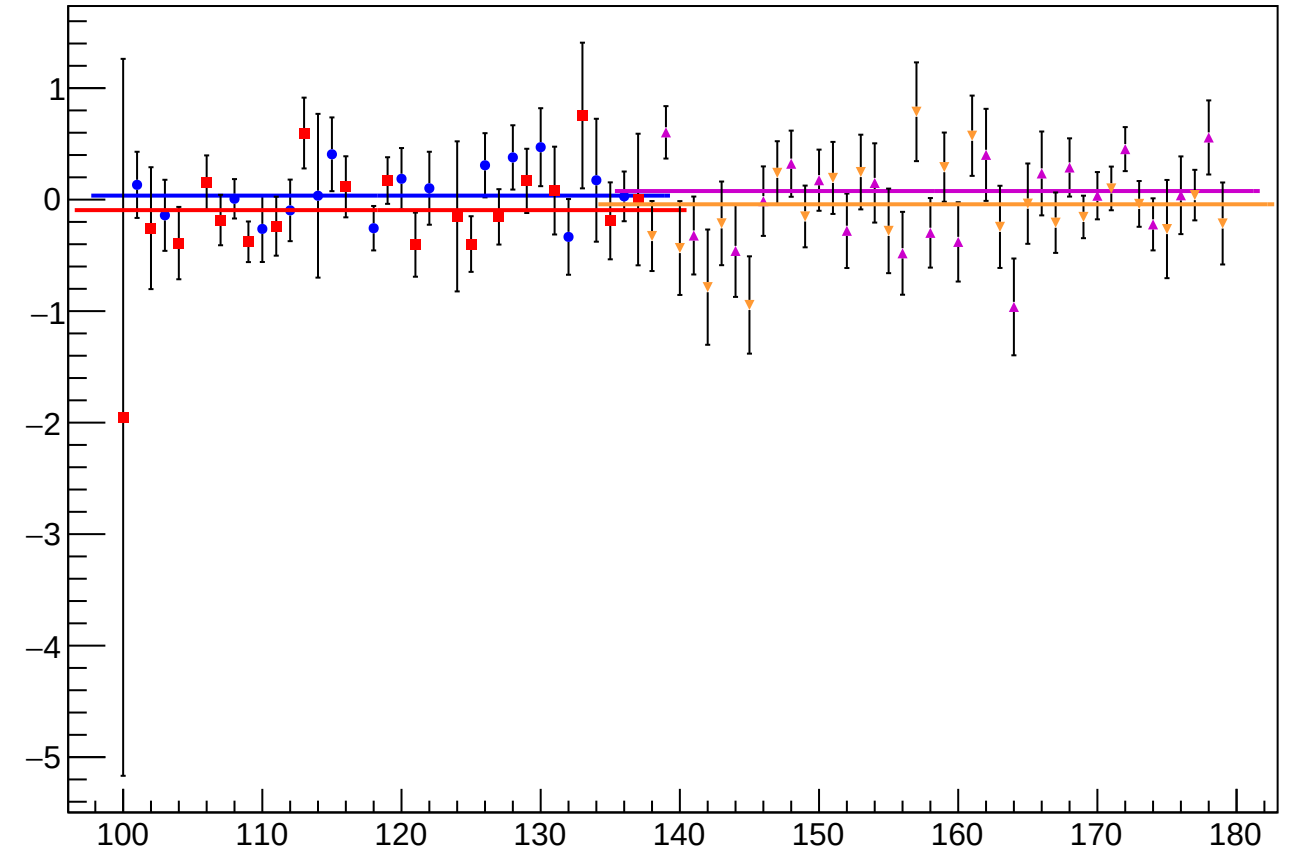
Left: 0.000+/-0.000 χ^2/NDF: 3316883.7/41

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3508989.2/35

Out: 0.000+/-0.000 χ^2/NDF:3437606.4/40

All: 0.000+/-0.000 χ^2/NDF: 6956847.8/76



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.077+/-0.067 χ^2/NDF:30.0/19

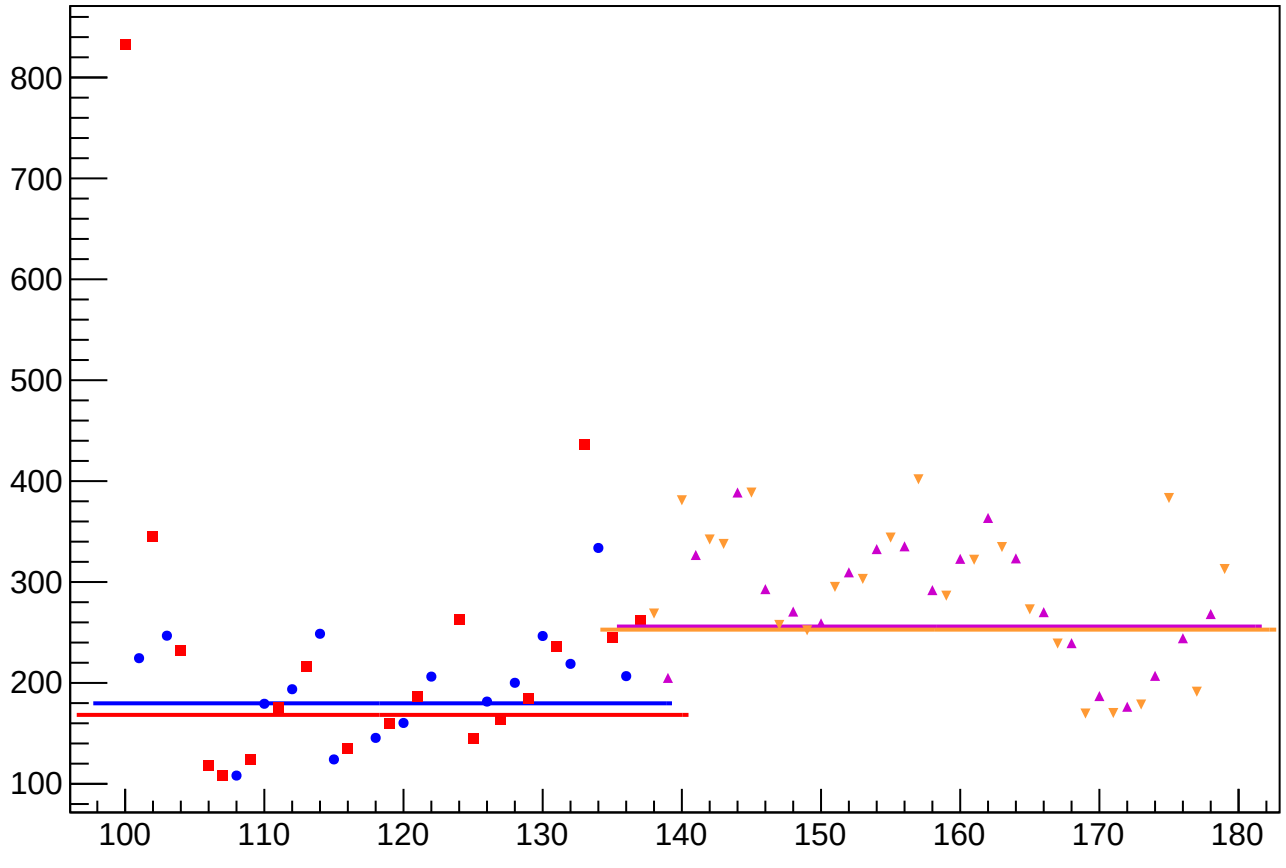
Left: 0.015+/-0.046 χ^2/NDF: 52.5/41

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.007+/-0.034 χ^2/NDF: 82.9/76



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.892+/-0.047 χ^2/NDF:1574572.1/19

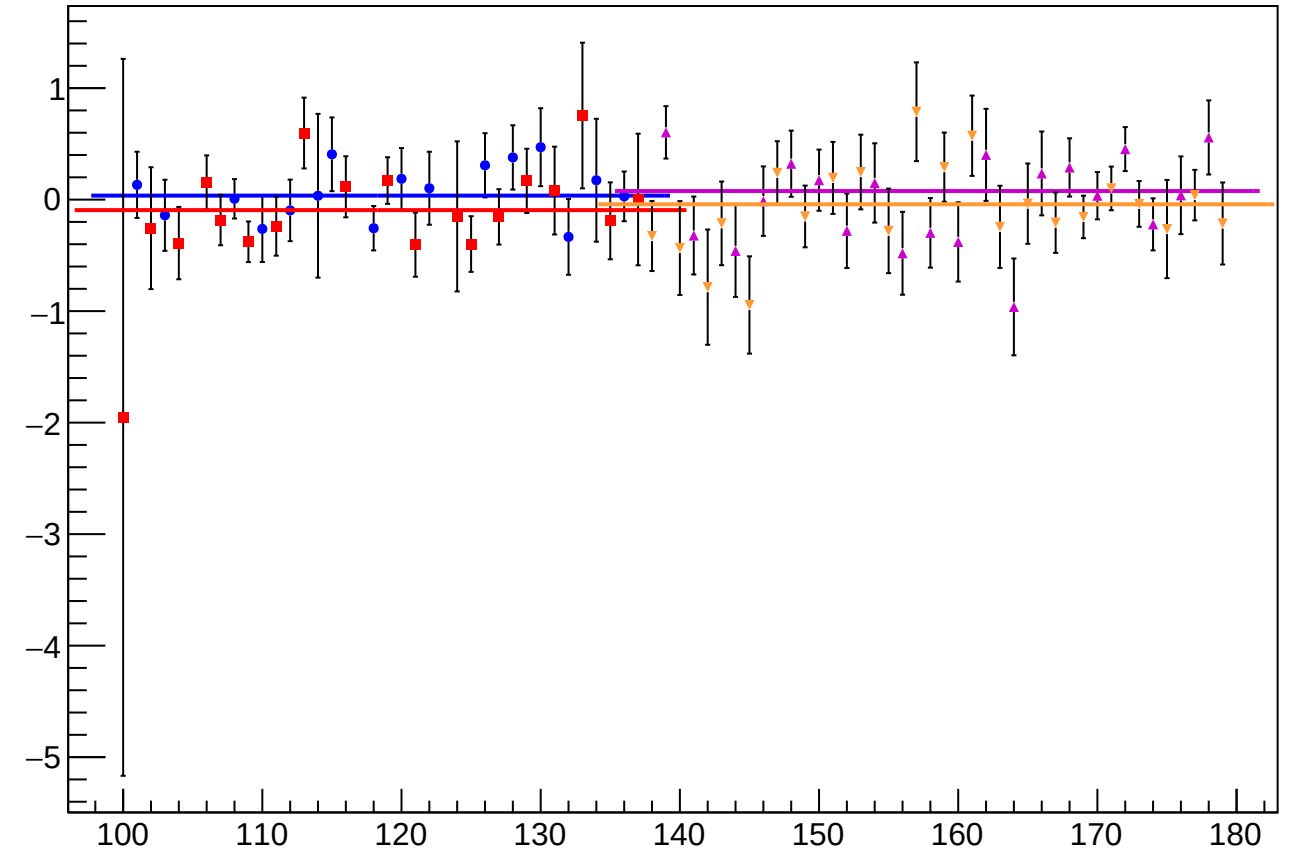
Left: 254.292+/-0.033 χ^2/NDF: 4127683.7/41

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 220.083+/-0.034 χ^2/NDF:3723954.9/35

Out: 212.898+/-0.033 χ^2/NDF:5606141.3/40

All: 216.344+/-0.024 χ^2/NDF: 9353013.4/76



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.077+/-0.067 χ^2/NDF:30.0/19

Left: 0.015+/-0.046 χ^2/NDF: 52.5/41

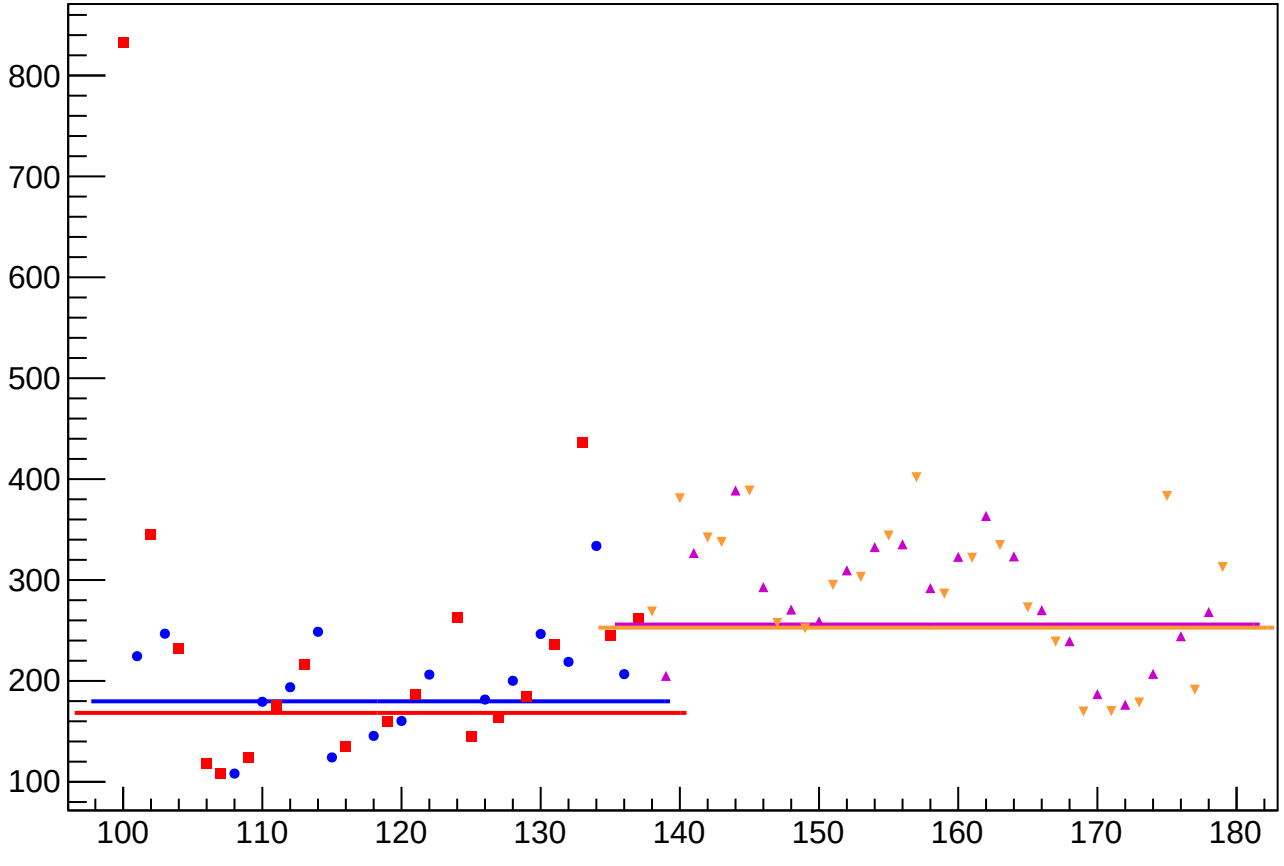
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.007+/-0.034 χ^2/NDF: 82.9/76

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 252.811+/-0.045 χ^2/NDF:2550884.6/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.892+/-0.047 χ^2/NDF:1574572.1/19

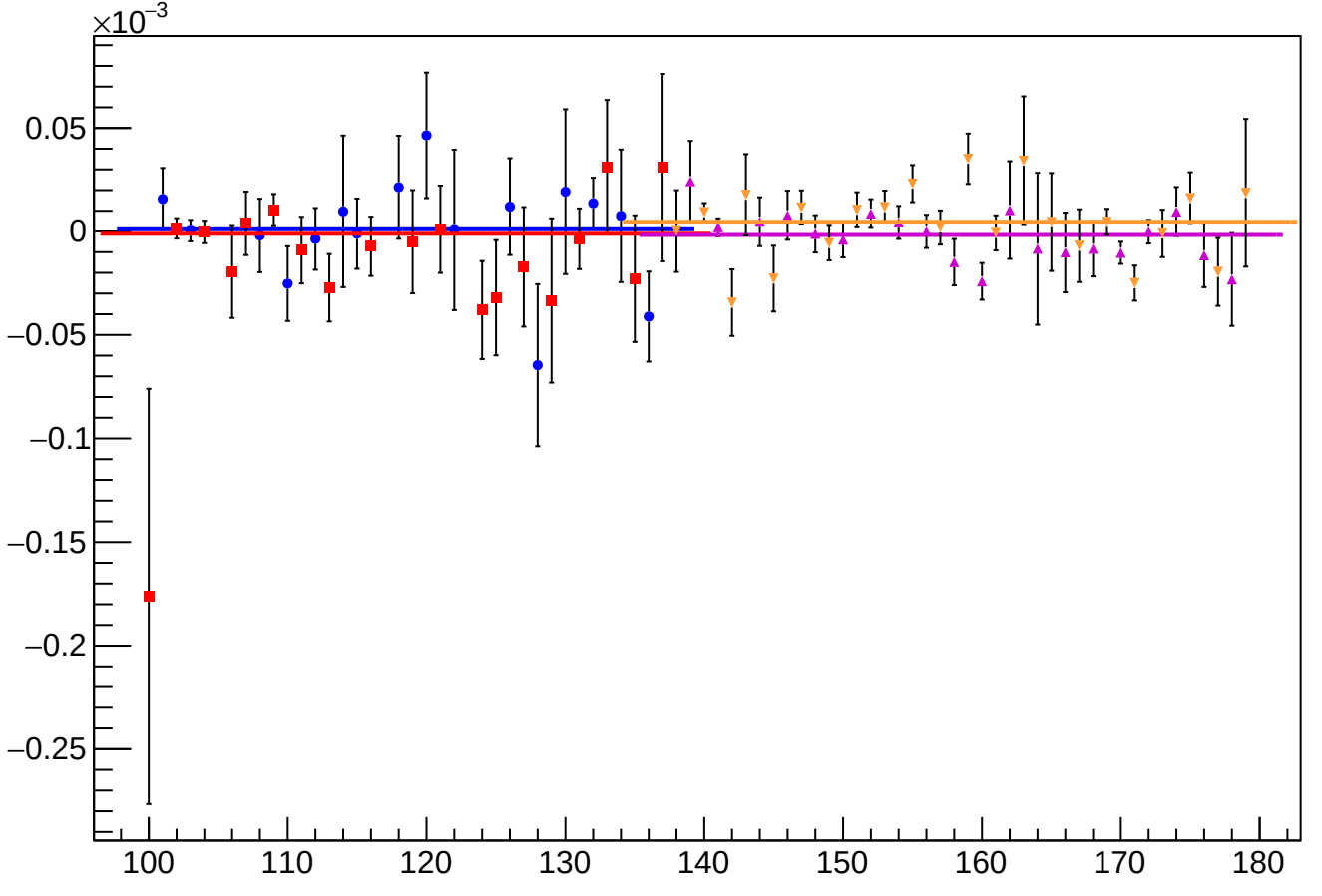
Left: 254.292+/-0.033 χ^2/NDF: 4127683.7/41

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 220.083+/-0.034 χ^2/NDF:3723954.9/35

Out: 212.898+/-0.033 χ^2/NDF:5606141.3/40

All: 216.344+/-0.024 χ^2/NDF: 9353013.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/19

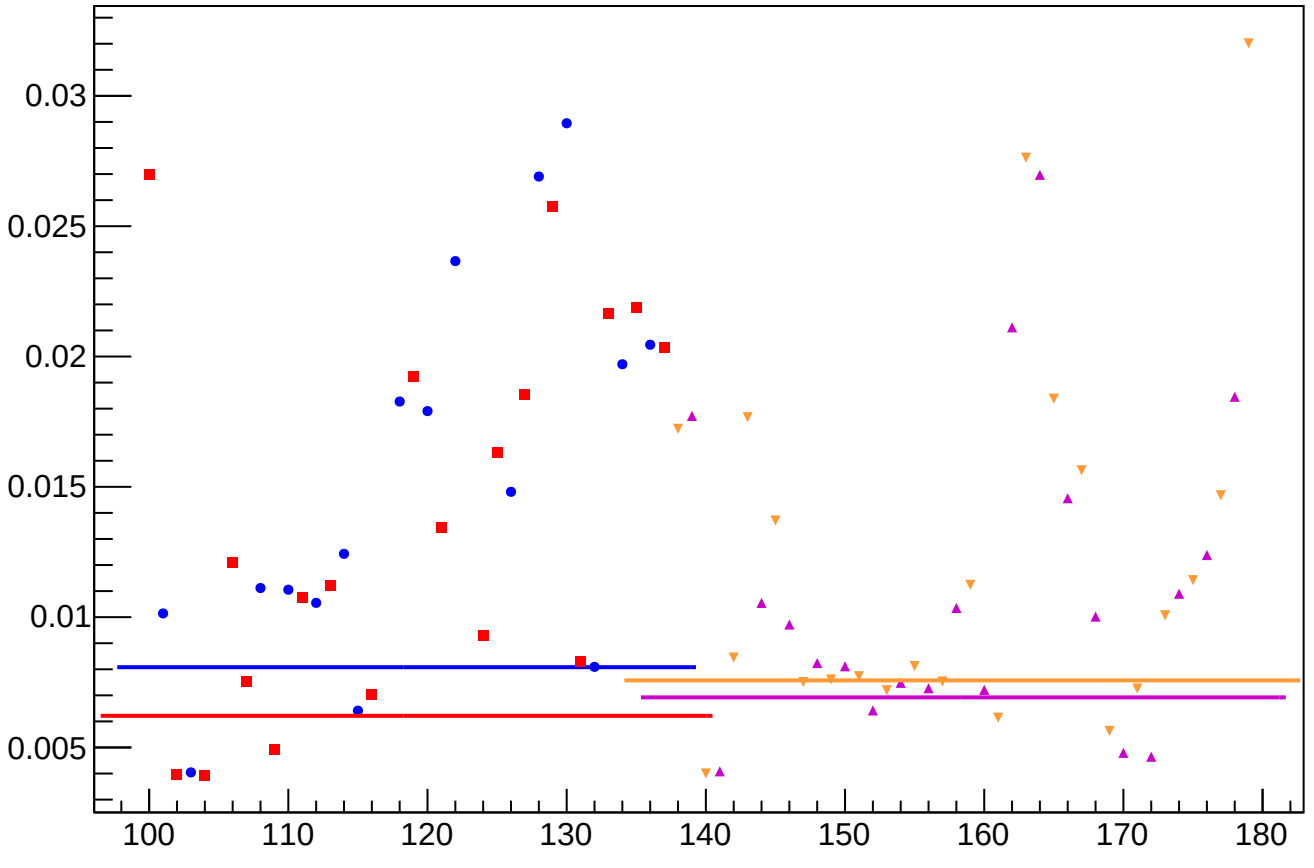
Left: 0.000+/-0.000 χ^2/NDF: 67.0/41

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:34.5/35

Out: 0.000+/-0.000 χ^2/NDF:60.9/40

All: 0.000+/-0.000 χ^2/NDF: 97.9/76



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:6363090.8/21

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:5445155.0/19

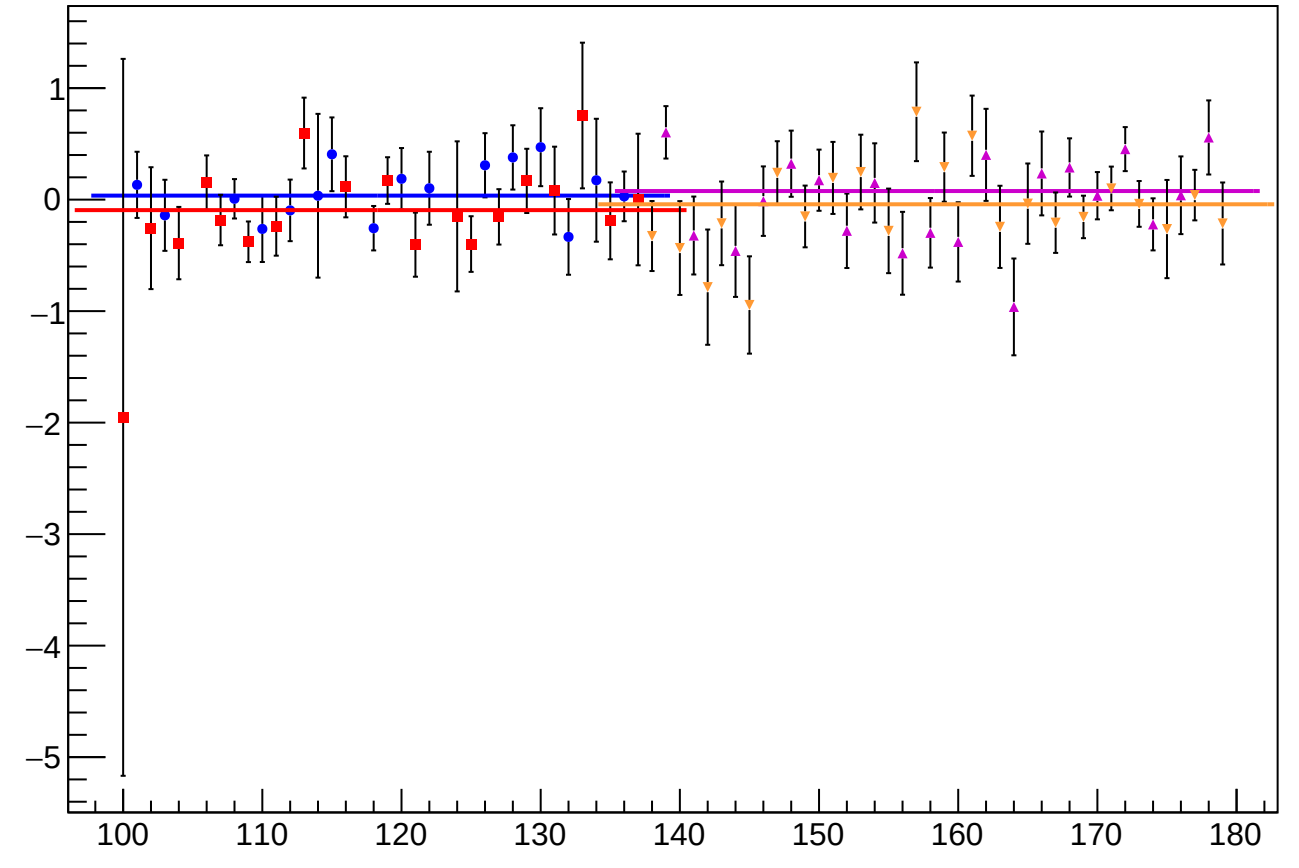
Left: 0.007+/-0.000 χ^2/NDF: 11913169.6/41

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:10010566.4/35

Out: 0.007+/-0.000 χ^2/NDF:11228011.5/40

All: 0.007+/-0.000 χ^2/NDF: 21240532.9/76



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.077+/-0.067 χ^2/NDF:30.0/19

Left: 0.015+/-0.046 χ^2/NDF: 52.5/41

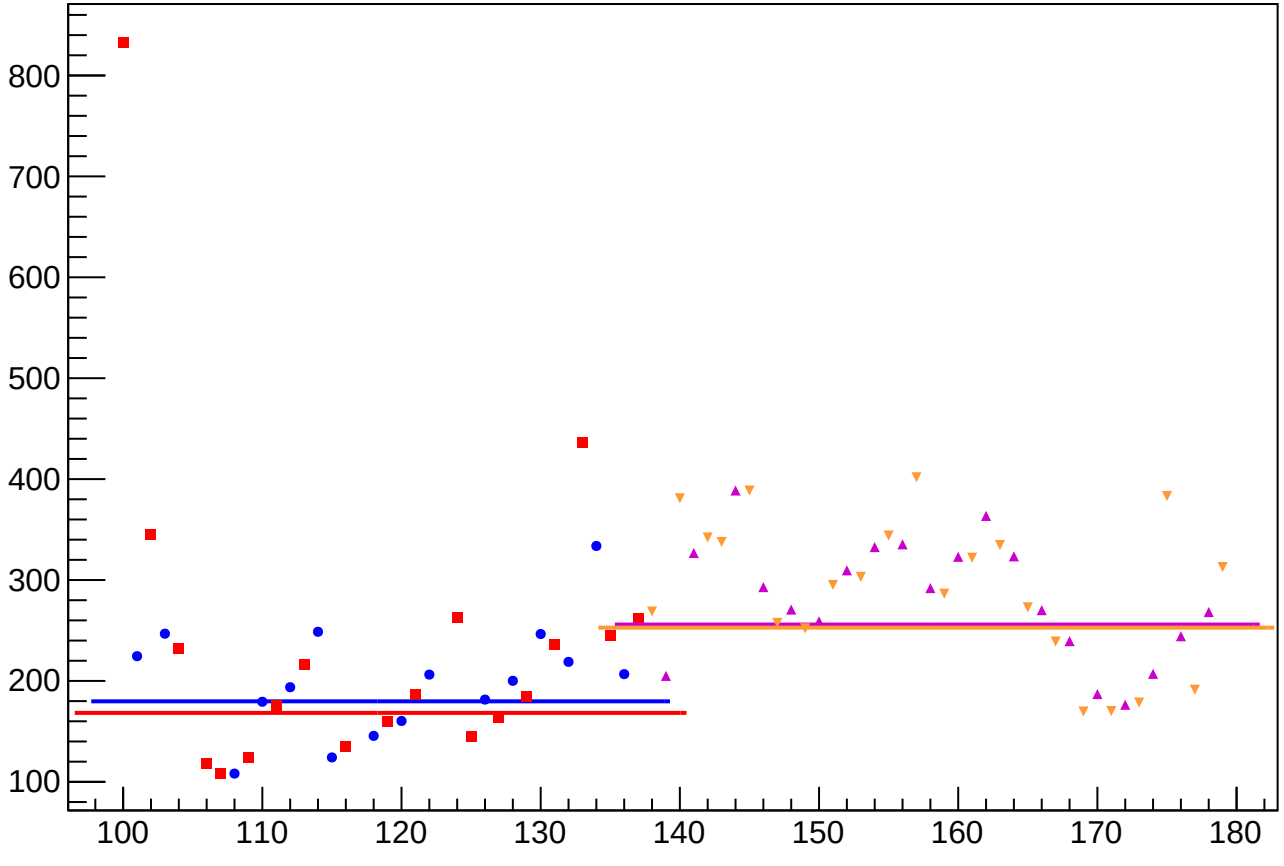
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.007+/-0.034 χ^2/NDF: 82.9/76

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 252.813+/-0.045 χ^2/NDF:2551004.9/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.895+/-0.047 χ^2/NDF:1574624.8/19

Left: 254.294+/-0.033 χ^2/NDF: 4127857.7/41

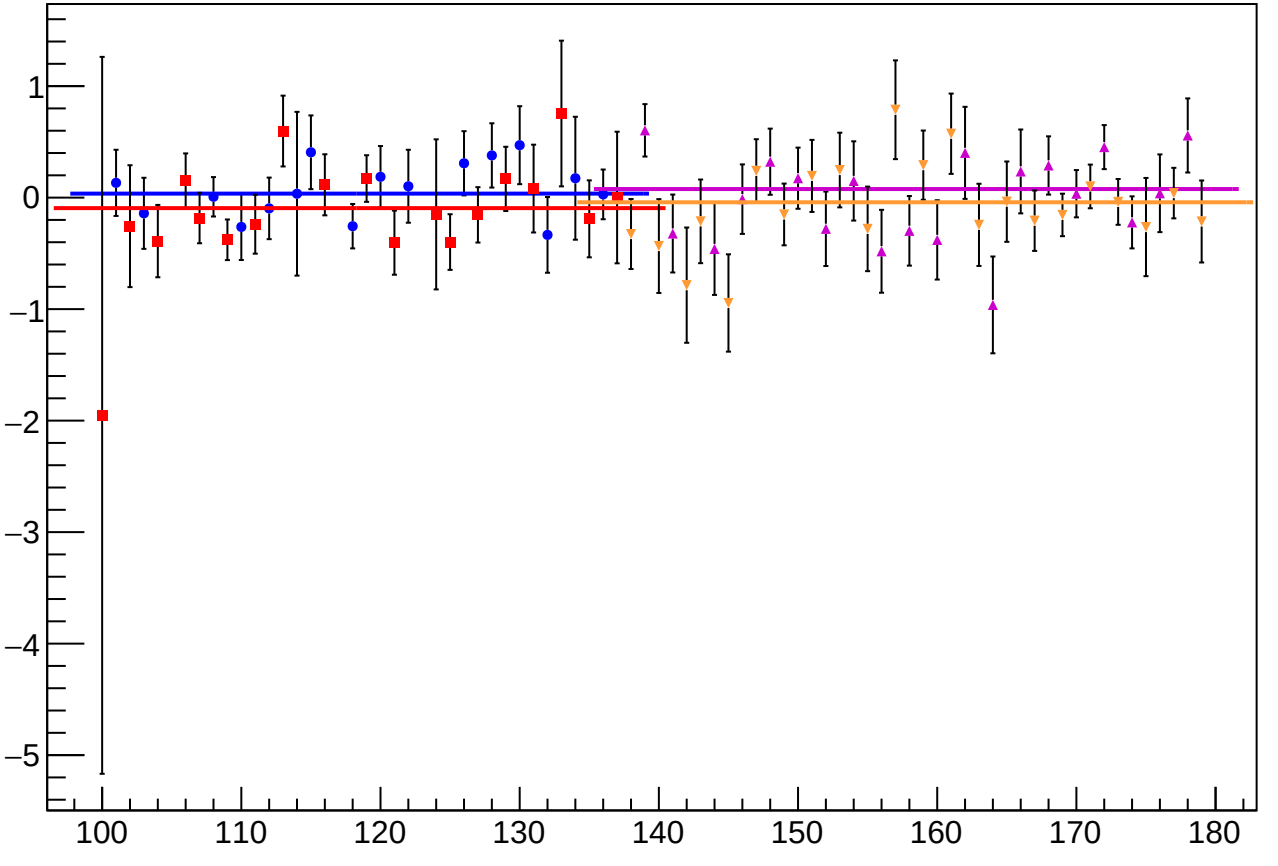
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 220.082+/-0.034 χ^2/NDF:3724218.7/35

Out: 212.898+/-0.033 χ^2/NDF:5606319.3/40

All: 216.344+/-0.024 χ^2/NDF: 9353447.2/76

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.042+/-0.064 χ^2/NDF:20.8/21

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.077+/-0.067 χ^2/NDF:30.0/19

Left: 0.015+/-0.046 χ^2/NDF: 52.5/41

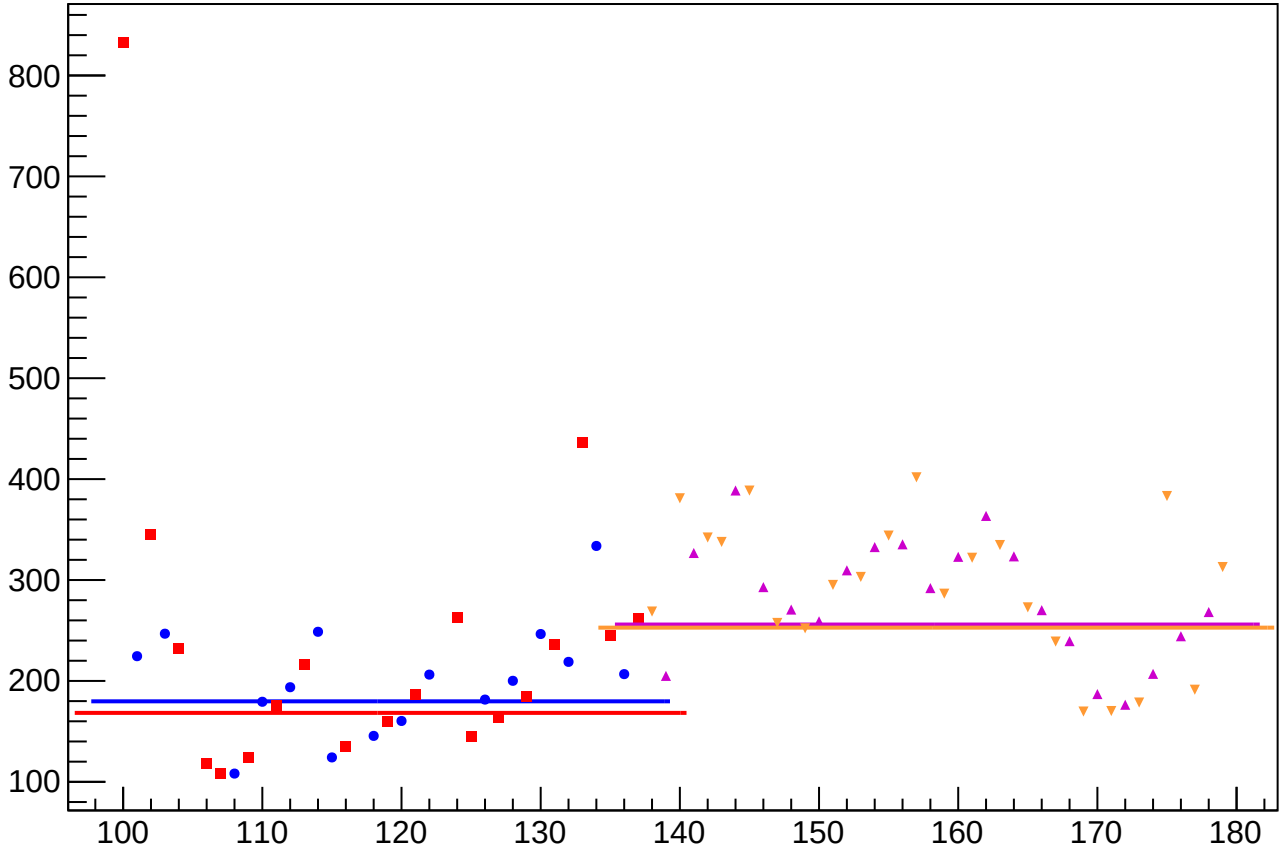
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.067+/-0.046 χ^2/NDF:38.8/40

All: -0.007+/-0.034 χ^2/NDF: 82.9/76

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 252.813+/-0.045 χ^2/NDF:2551004.9/21

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.895+/-0.047 χ^2/NDF:1574624.8/19

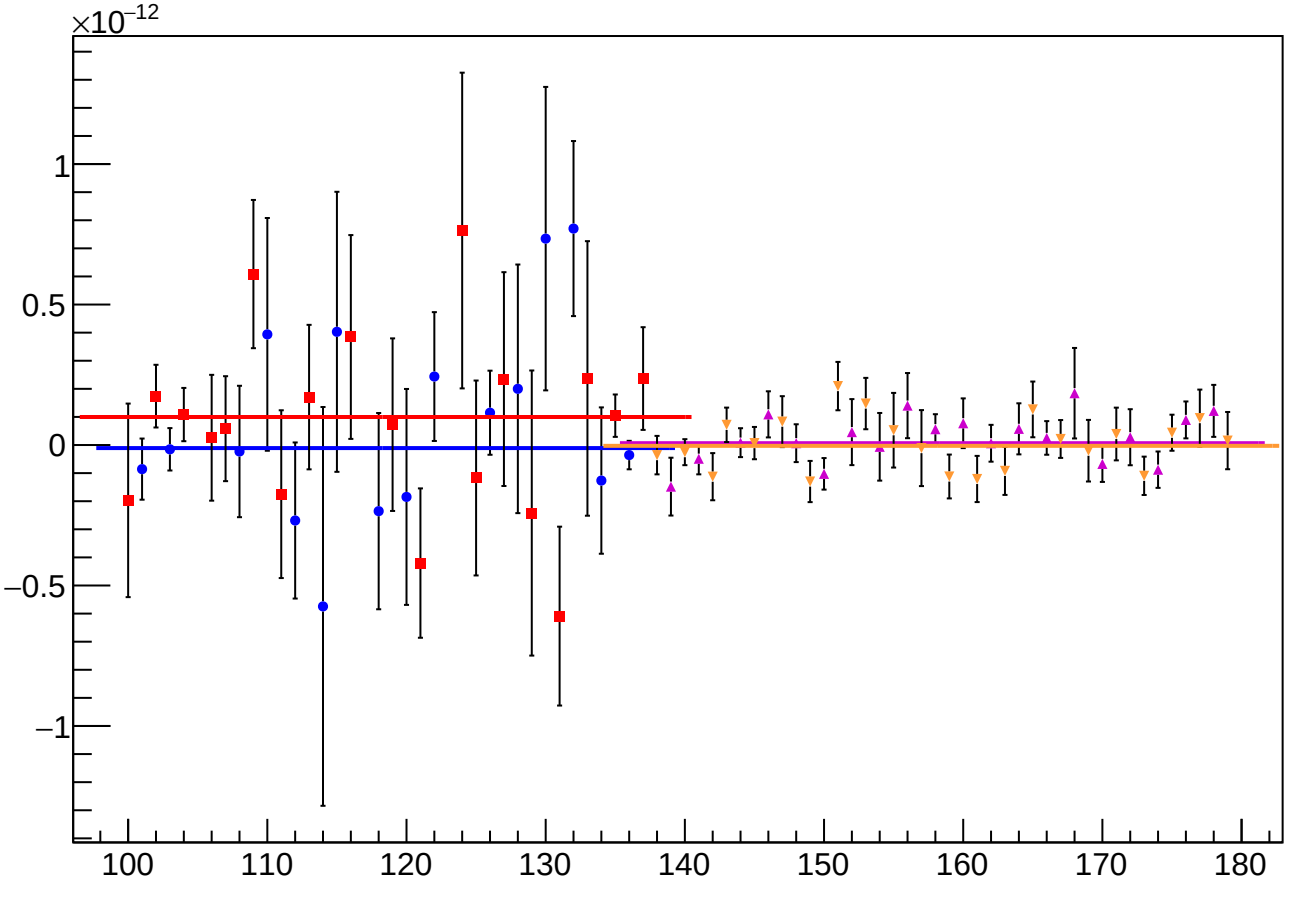
Left: 254.294+/-0.033 χ^2/NDF: 4127857.7/41

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 220.082+/-0.034 χ^2/NDF:3724218.7/35

Out: 212.898+/-0.033 χ^2/NDF:5606319.3/40

All: 216.344+/-0.024 χ^2/NDF: 9353447.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.8/19

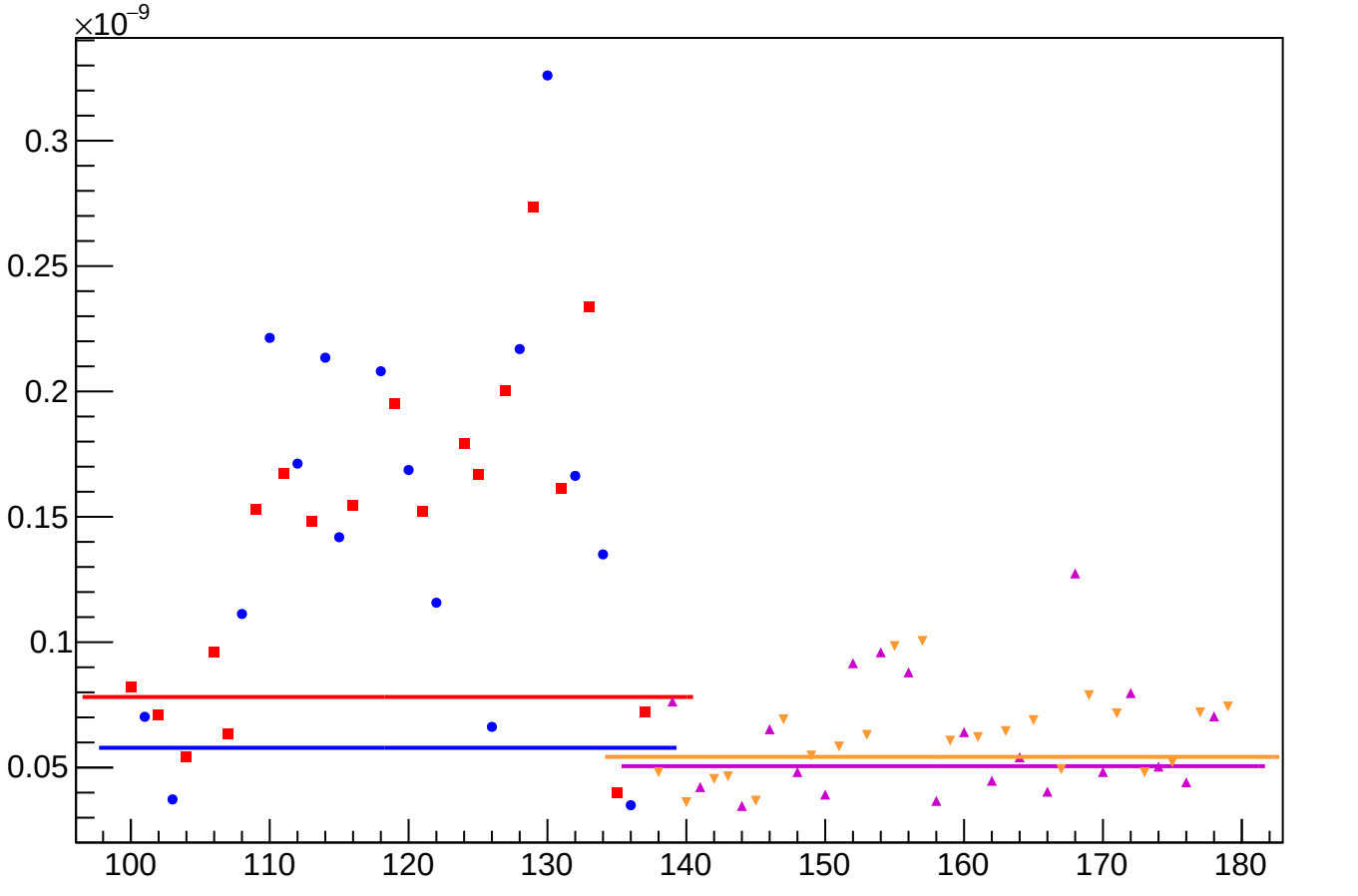
Left: 0.000+/-0.000 χ^2/NDF: 47.7/41

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:35.0/35

Out: 0.000+/-0.000 χ^2/NDF:51.3/40

All: 0.000+/-0.000 χ^2/NDF: 86.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1536267.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2244888.6/19

Left: 0.000+/-0.000 χ^2/NDF: 3832533.8/41

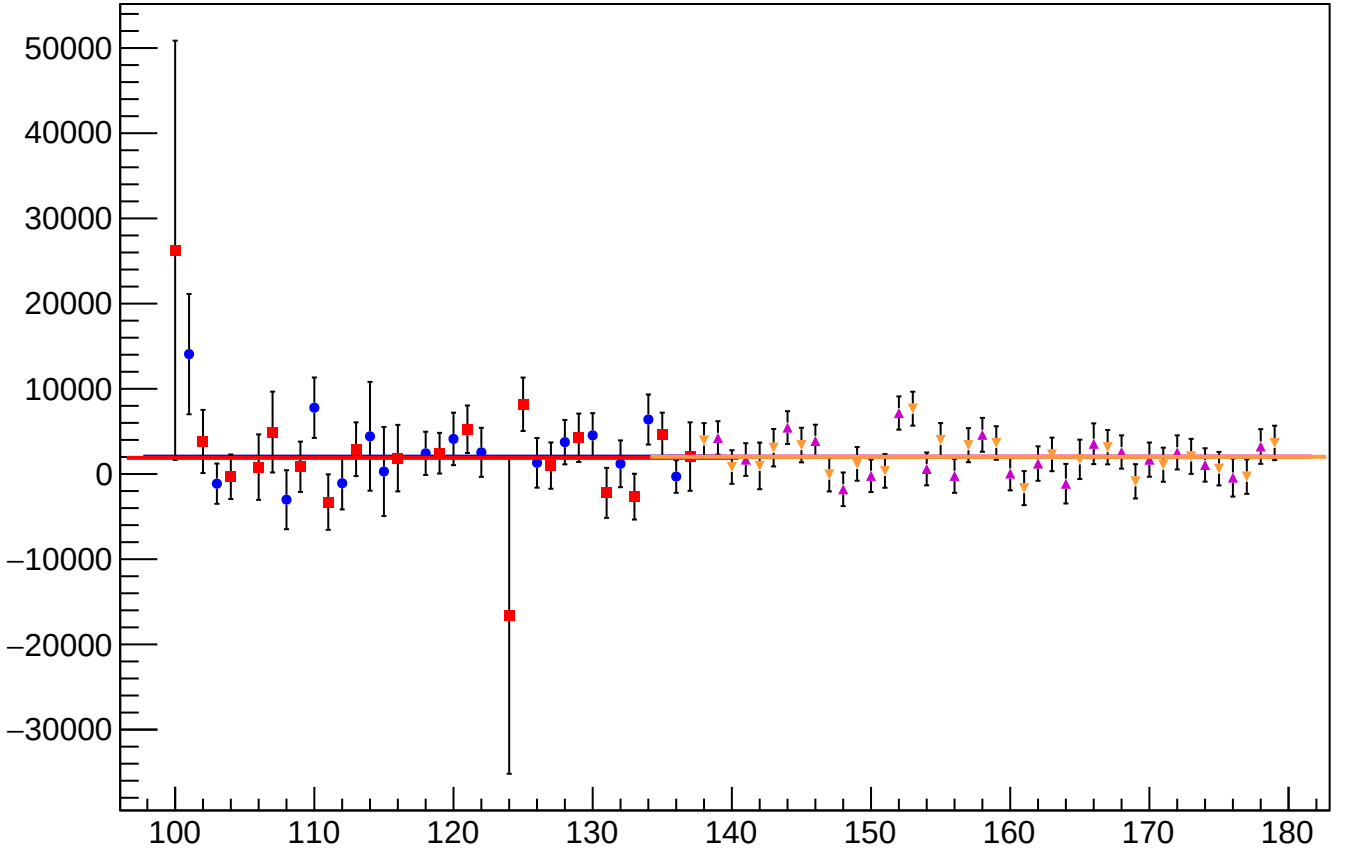
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5639407.7/35

Out: 0.000+/-0.000 χ^2/NDF:4826534.8/40

All: 0.000+/-0.000 χ^2/NDF: 10603882.8/76

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.654+/-435.049 χ^2/NDF:22.7/21

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2045.598+/-448.619 χ^2/NDF:26.3/19

Left: 2031.712+/-312.313 χ^2/NDF: 49.0/41

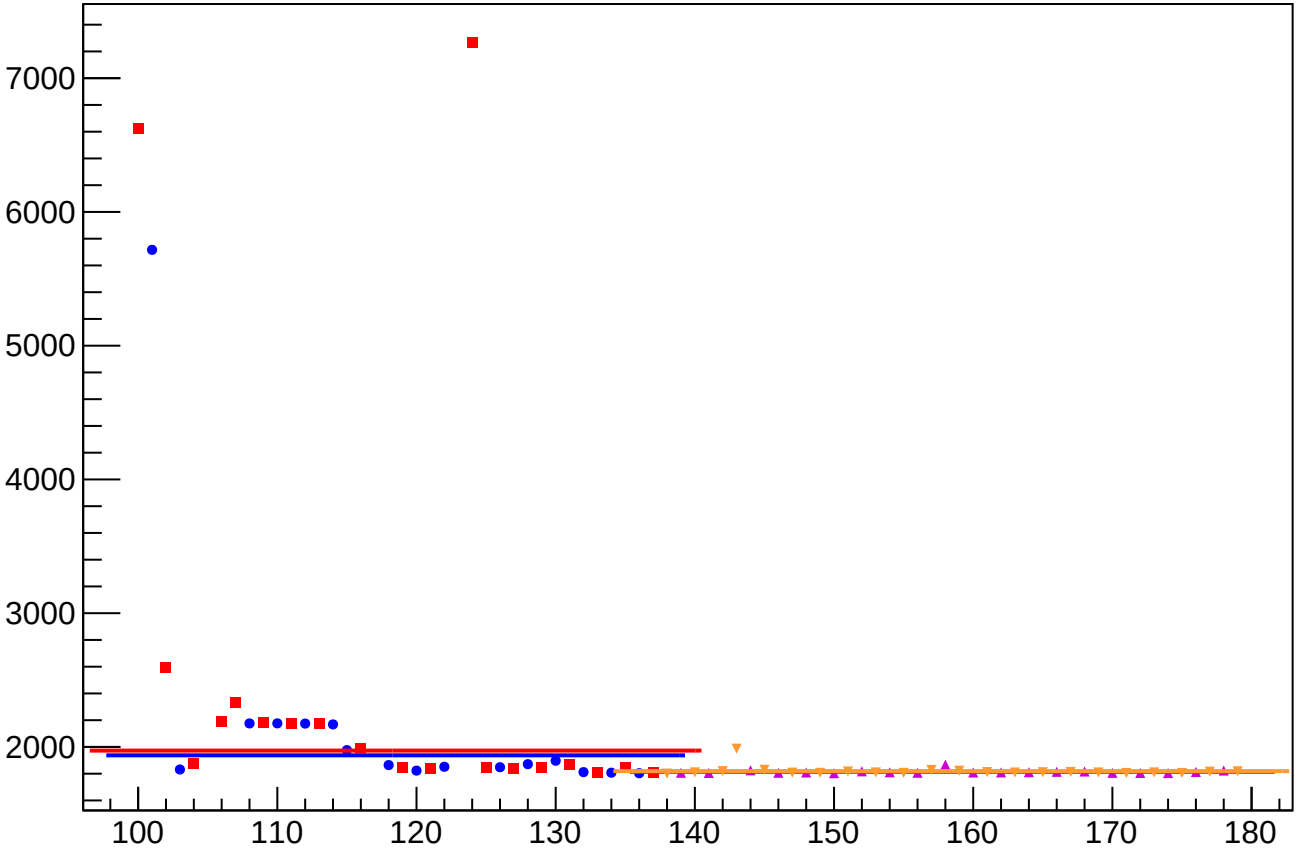
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2043.868+/-383.096 χ^2/NDF:42.8/35

Out: 1986.748+/-374.614 χ^2/NDF:41.3/40

All: 2014.669+/-267.841 χ^2/NDF: 84.0/76

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

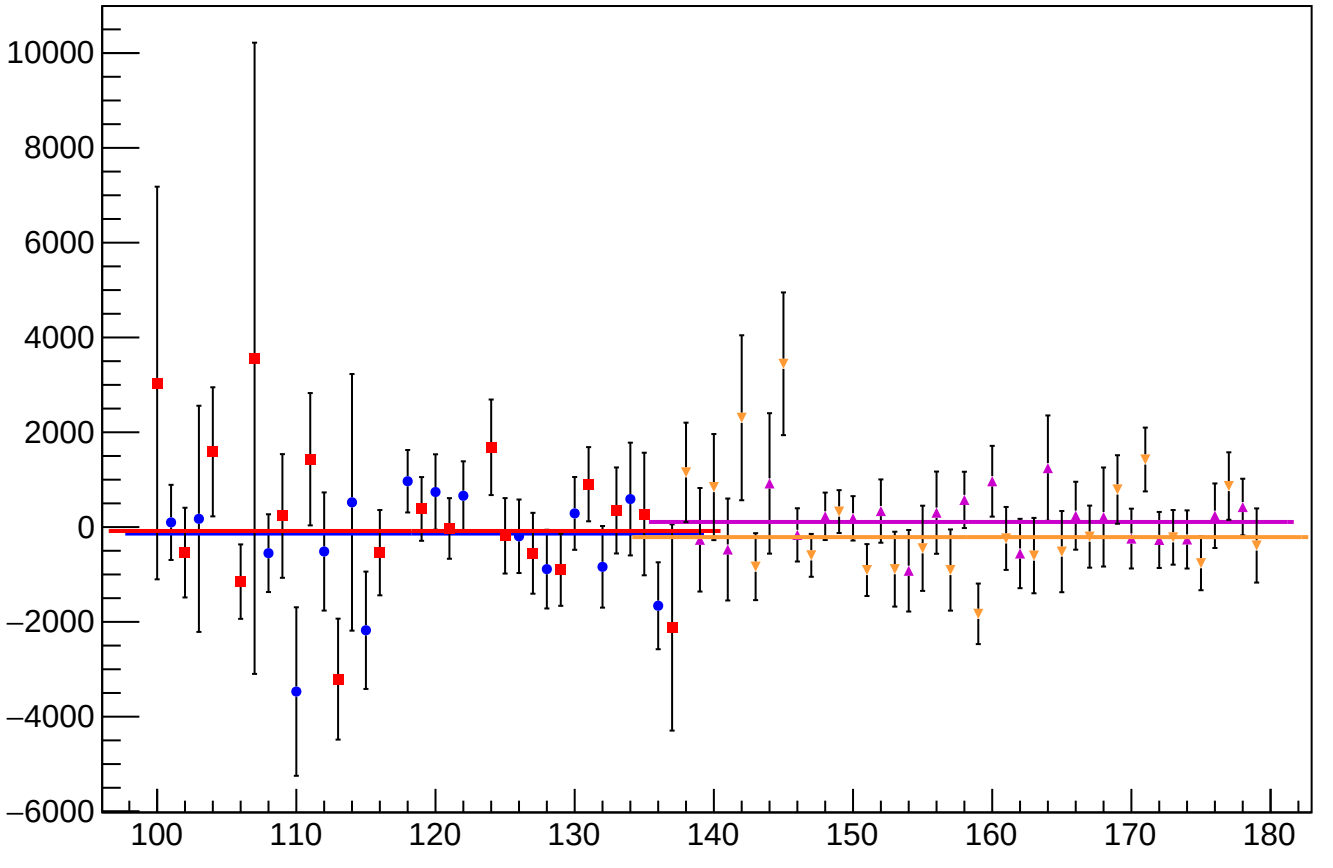
Left: 1816.513+/-0.221 χ^2/NDF: 14677.0/41

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1847.179+/-0.271 χ^2/NDF:681017.9/35

Out: 1858.846+/-0.265 χ^2/NDF:454675.2/40

All: 1853.143+/-0.189 χ^2/NDF: 1136641.2/76



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -211.599+/-148.061 χ^2/NDF:34.5/21

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 107.935+/-154.363 χ^2/NDF:7.9/19

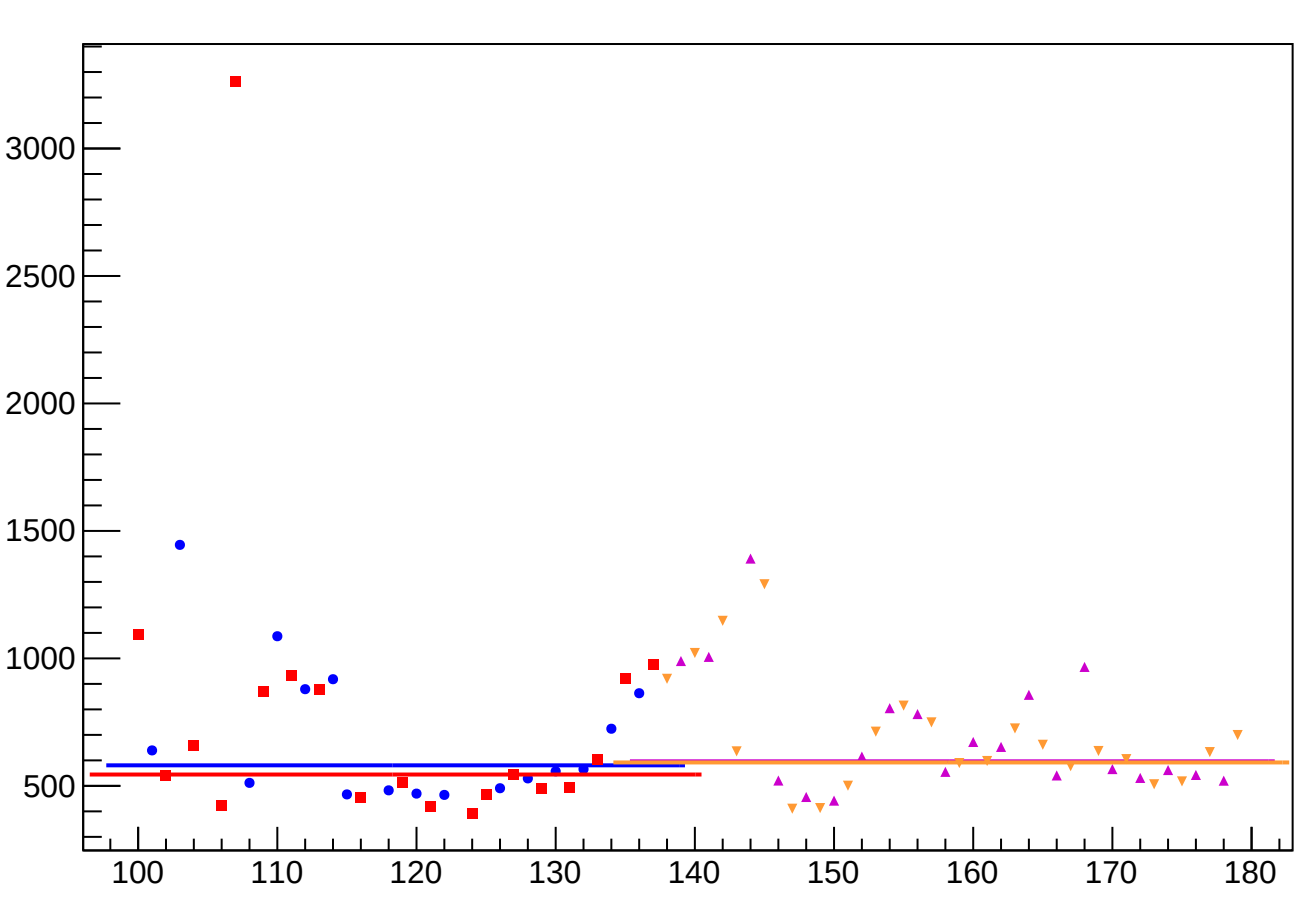
Left: -58.488+/-106.854 χ^2/NDF: 44.6/41

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 32.176+/-128.247 χ^2/NDF:25.6/35

Out: -171.795+/-123.182 χ^2/NDF:54.5/40

All: -73.917+/-88.839 χ^2/NDF: 81.3/76



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 591.890+/-0.105 χ^2/NDF:2261771.7/21

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 596.380+/-0.109 χ^2/NDF:2240822.7/19

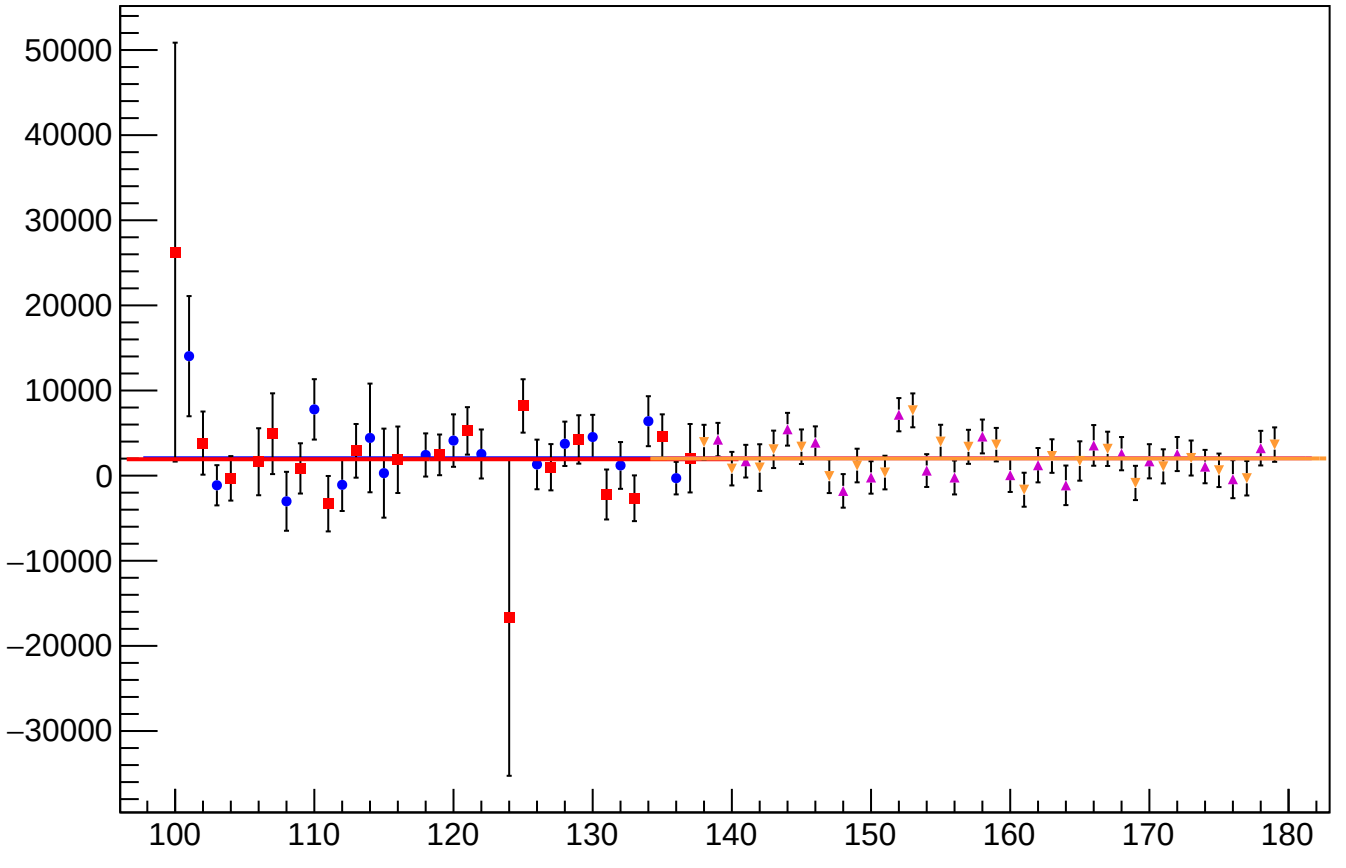
Left: 594.041+/-0.076 χ^2/NDF: 4503475.6/41

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 591.495+/-0.091 χ^2/NDF:3250698.2/35

Out: 577.311+/-0.087 χ^2/NDF:3612405.5/40

All: 584.117+/-0.063 χ^2/NDF: 6875828.7/76



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2045.675+/-448.619 χ^2/NDF:26.3/19

Left: 2031.734+/-312.313 χ^2/NDF: 49.0/41

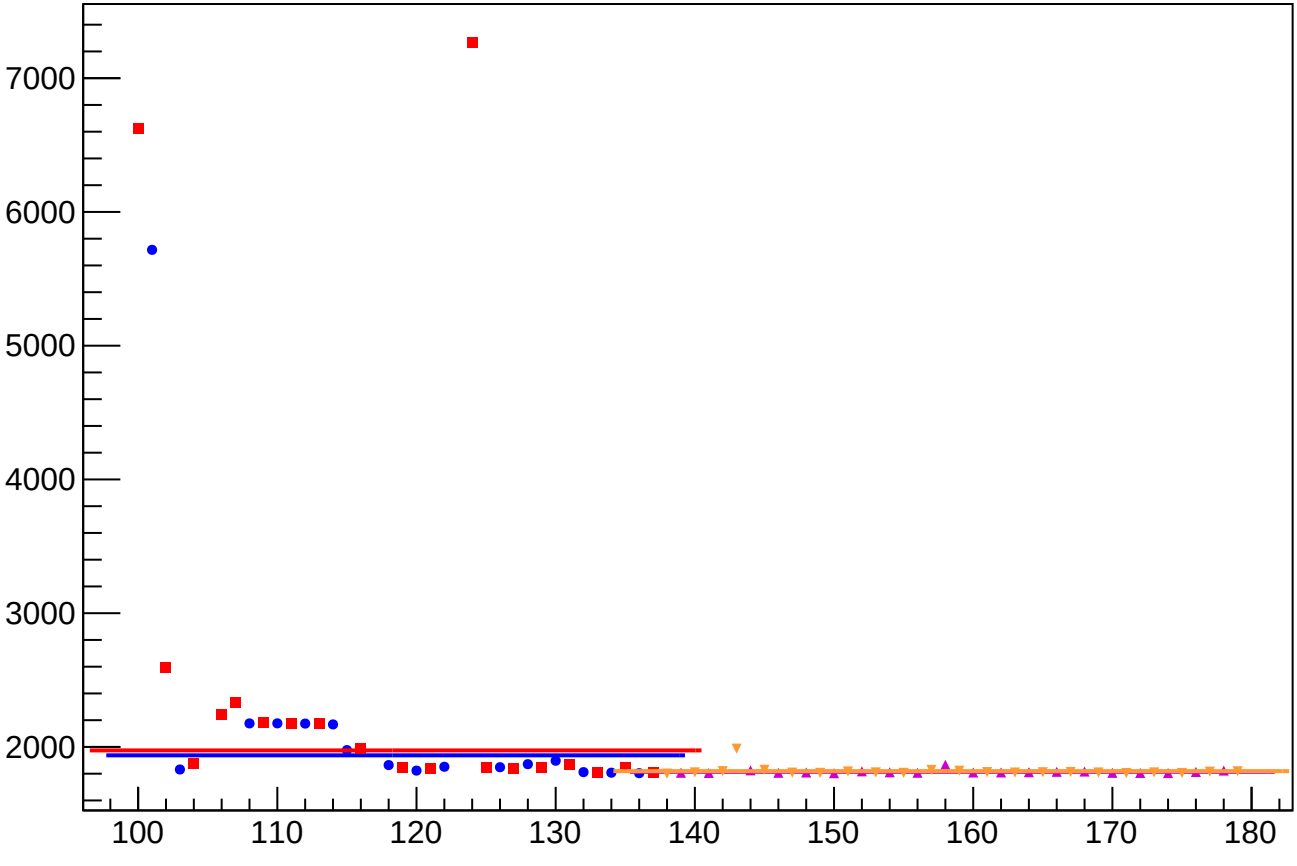
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2043.824+/-383.096 χ^2/NDF:42.7/35

Out: 1994.777+/-374.699 χ^2/NDF:41.2/40

All: 2018.757+/-267.872 χ^2/NDF: 83.9/76

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

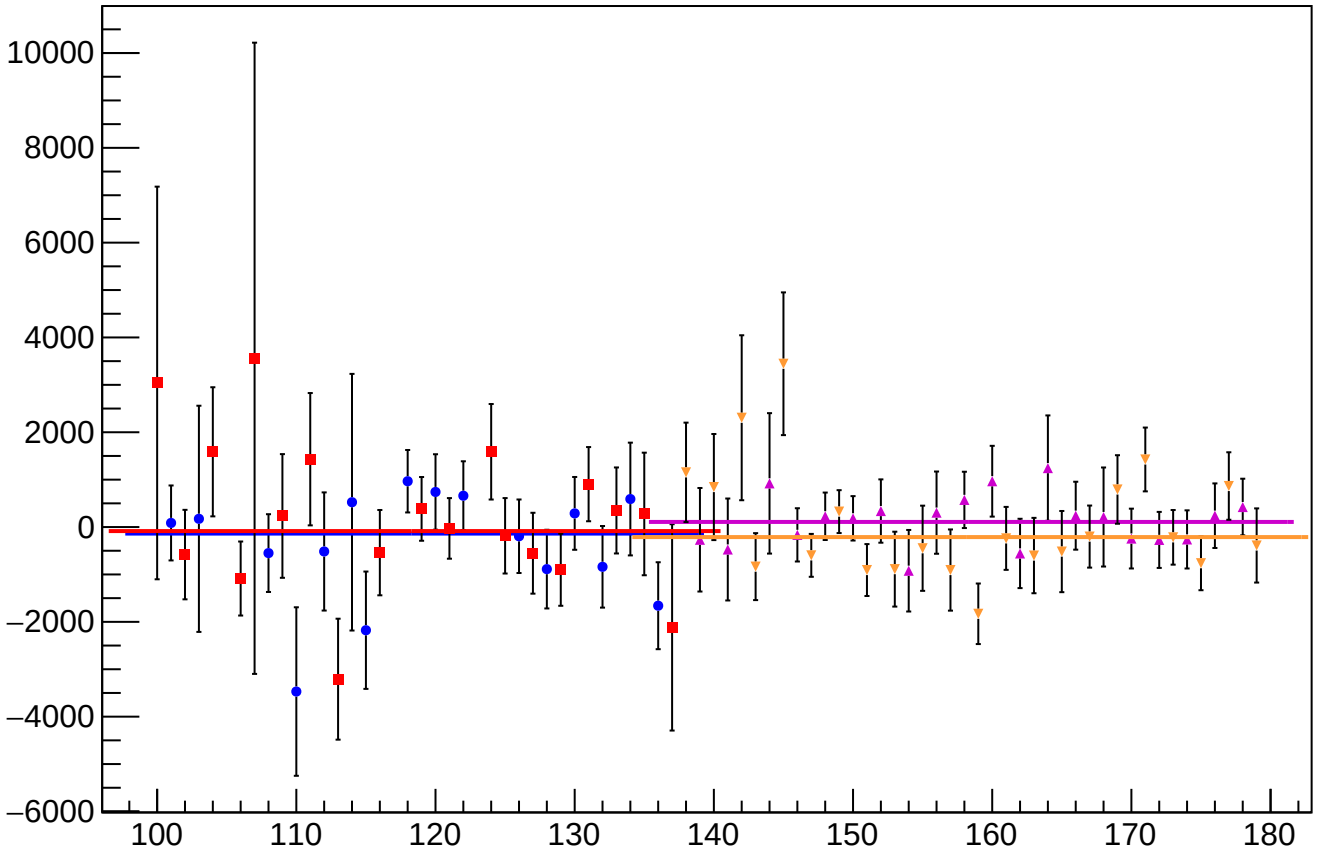
Left: 1816.513+/-0.221 χ^2/NDF: 14677.0/41

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1847.179+/-0.271 χ^2/NDF:681017.8/35

Out: 1859.154+/-0.265 χ^2/NDF:458659.1/40

All: 1853.299+/-0.189 χ^2/NDF: 1140675.7/76



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 107.983+/-154.365 χ^2/NDF:7.9/19

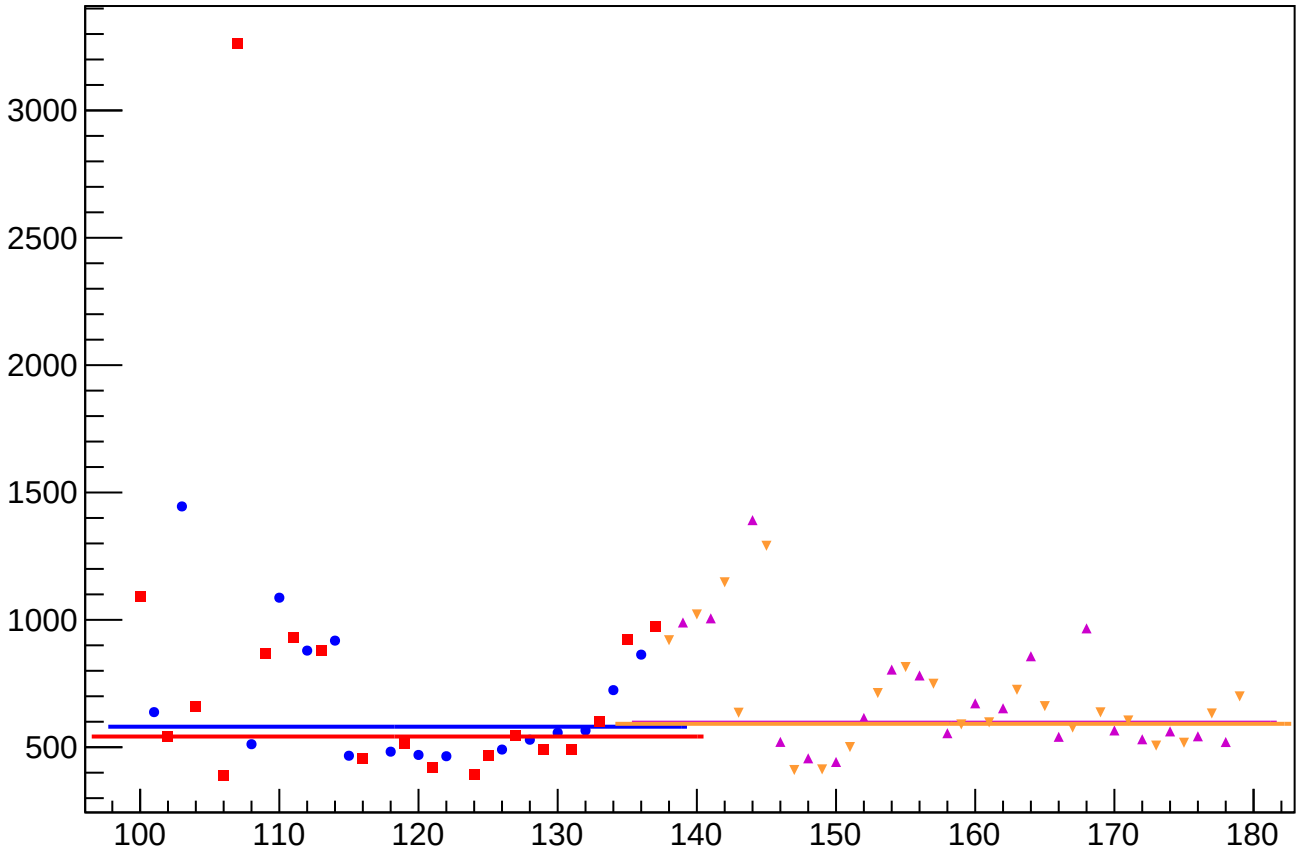
Left: -58.504+/-106.854 χ^2/NDF: 44.6/41

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 31.924+/-128.239 χ^2/NDF:25.5/35

Out: -172.627+/-123.158 χ^2/NDF:54.0/40

All: -74.484+/-88.828 χ^2/NDF: 80.9/76



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.888+/-0.105 χ^2/NDF:2261906.1/21

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.387+/-0.109 χ^2/NDF:2240841.3/19

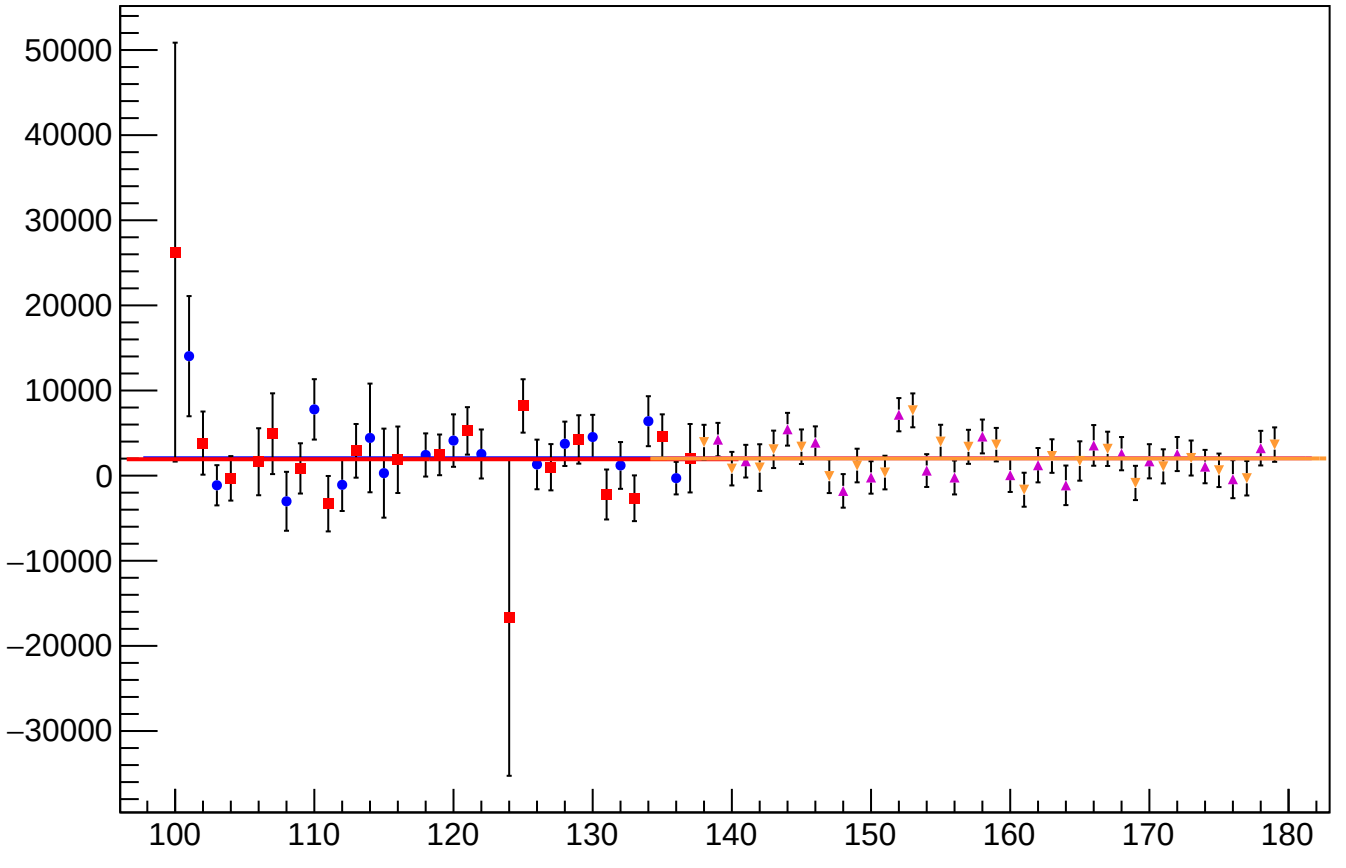
Left: 594.044+/-0.076 χ^2/NDF: 4503632.1/41

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 591.470+/-0.091 χ^2/NDF:3250290.1/35

Out: 576.499+/-0.087 χ^2/NDF:3650886.2/40

All: 583.682+/-0.063 χ^2/NDF: 6915356.2/76



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2018.624+/-435.049 χ^2/NDF:22.7/21

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2045.675+/-448.619 χ^2/NDF:26.3/19

Left: 2031.734+/-312.313 χ^2/NDF: 49.0/41

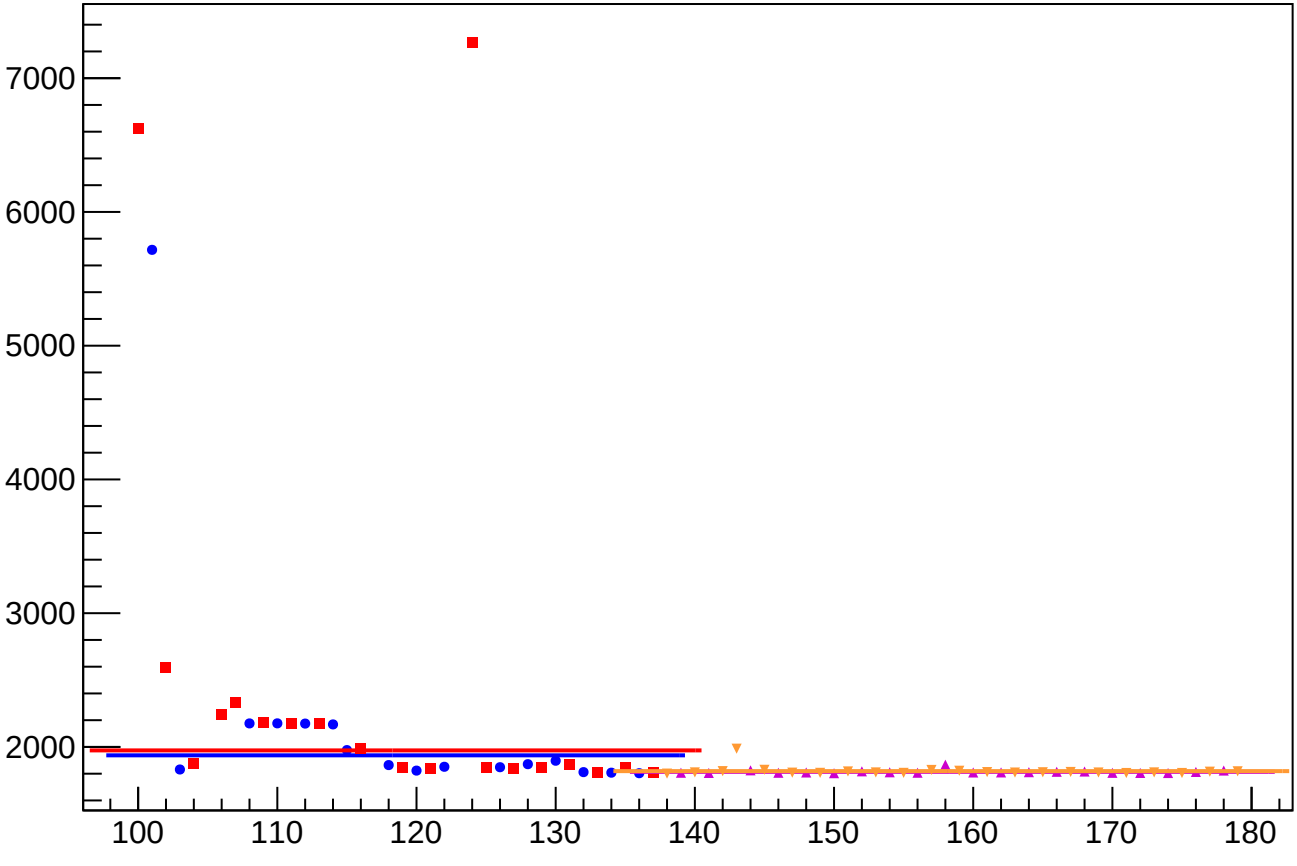
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2043.824+/-383.096 χ^2/NDF:42.7/35

Out: 1994.777+/-374.699 χ^2/NDF:41.2/40

All: 2018.757+/-267.872 χ^2/NDF: 83.9/76

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.126+/-0.308 χ^2/NDF:12655.5/21

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

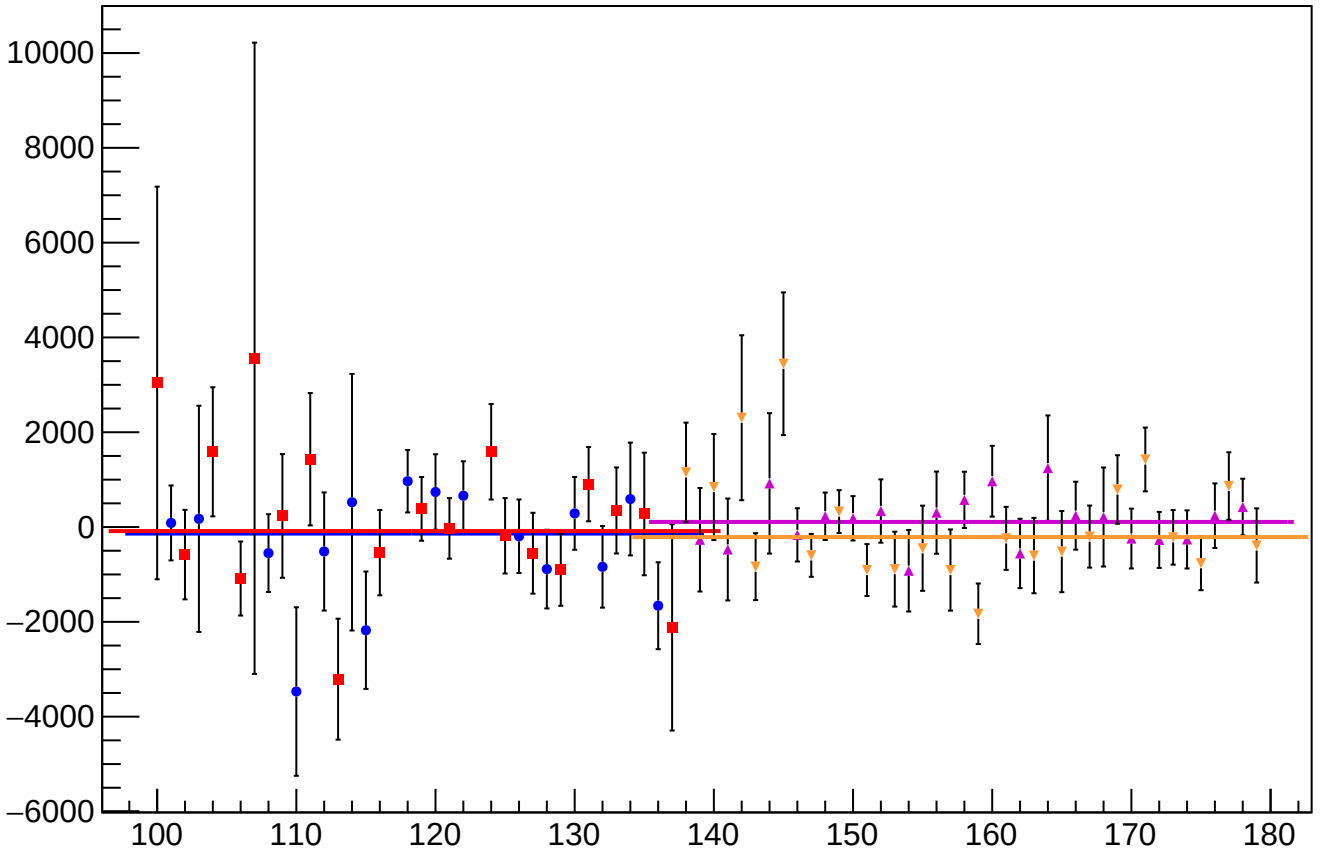
Left: 1816.513+/-0.221 χ^2/NDF: 14677.0/41

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1847.179+/-0.271 χ^2/NDF:681017.8/35

Out: 1859.154+/-0.265 χ^2/NDF:458659.1/40

All: 1853.299+/-0.189 χ^2/NDF: 1140675.7/76



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -211.670+/-148.061 χ^2/NDF:34.5/21

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 107.983+/-154.365 χ^2/NDF:7.9/19

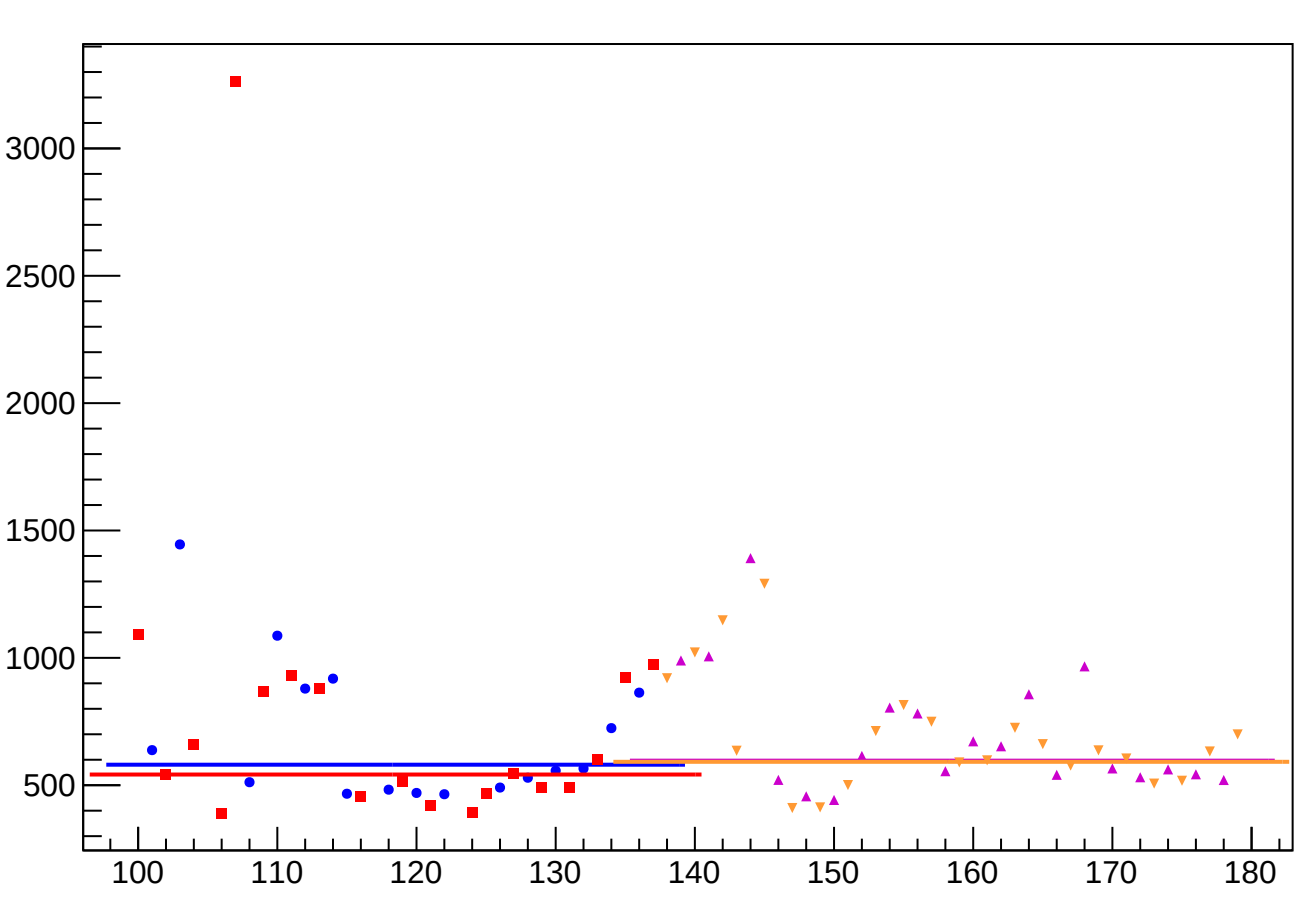
Left: -58.504+/-106.854 χ^2/NDF: 44.6/41

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 31.924+/-128.239 χ^2/NDF:25.5/35

Out: -172.627+/-123.158 χ^2/NDF:54.0/40

All: -74.484+/-88.828 χ^2/NDF: 80.9/76



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.888+/-0.105 χ^2/NDF:2261906.1/21

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 596.387+/-0.109 χ^2/NDF:2240841.3/19

Left: 594.044+/-0.076 χ^2/NDF: 4503632.1/41

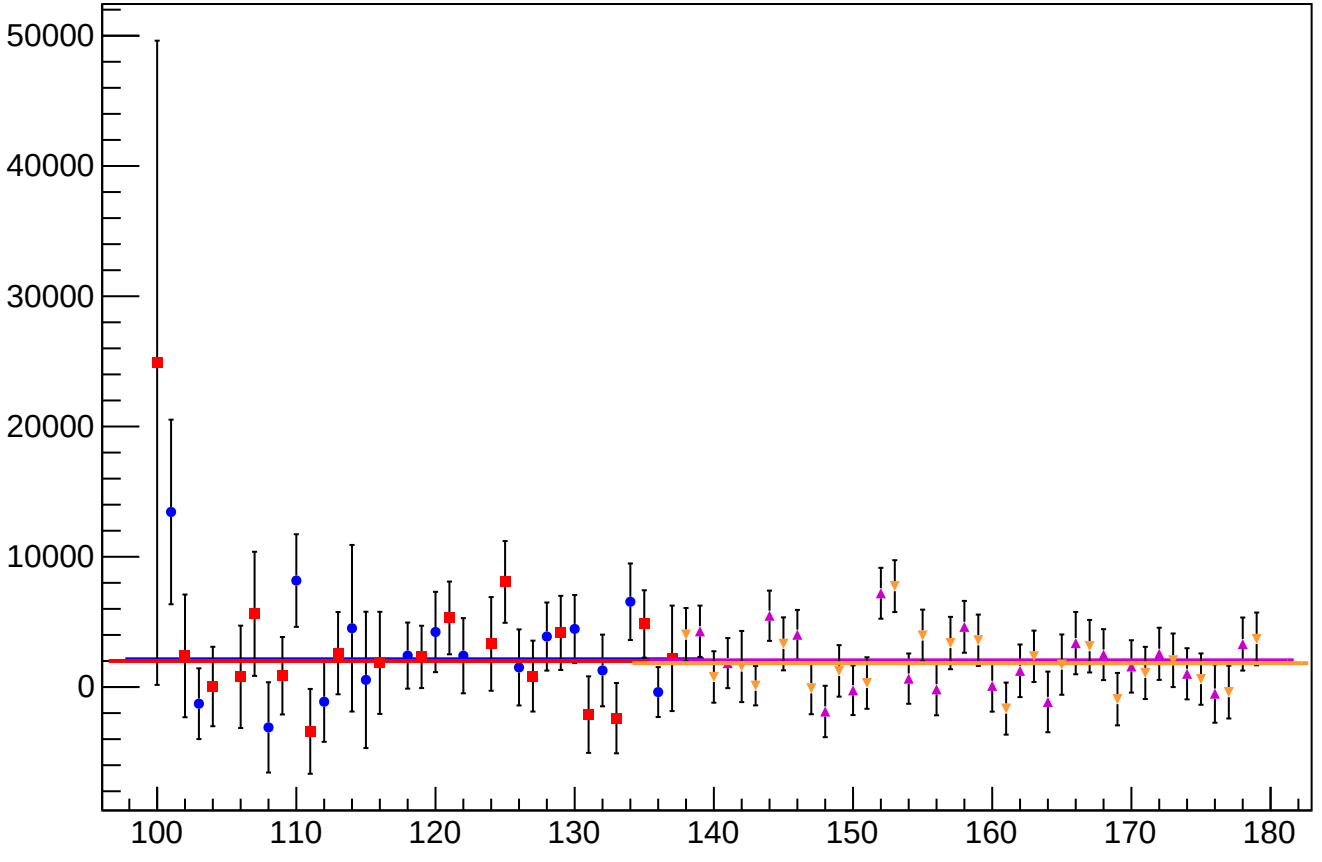
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 591.470+/-0.091 χ^2/NDF:3250290.1/35

Out: 576.499+/-0.087 χ^2/NDF:3650886.2/40

All: 583.682+/-0.063 χ^2/NDF: 6915356.2/76

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1832.426+/-426.232 χ^2/NDF:24.3/21

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2049.259+/-449.100 χ^2/NDF:26.8/19

Left: 1935.182+/-309.160 χ^2/NDF: 51.2/41

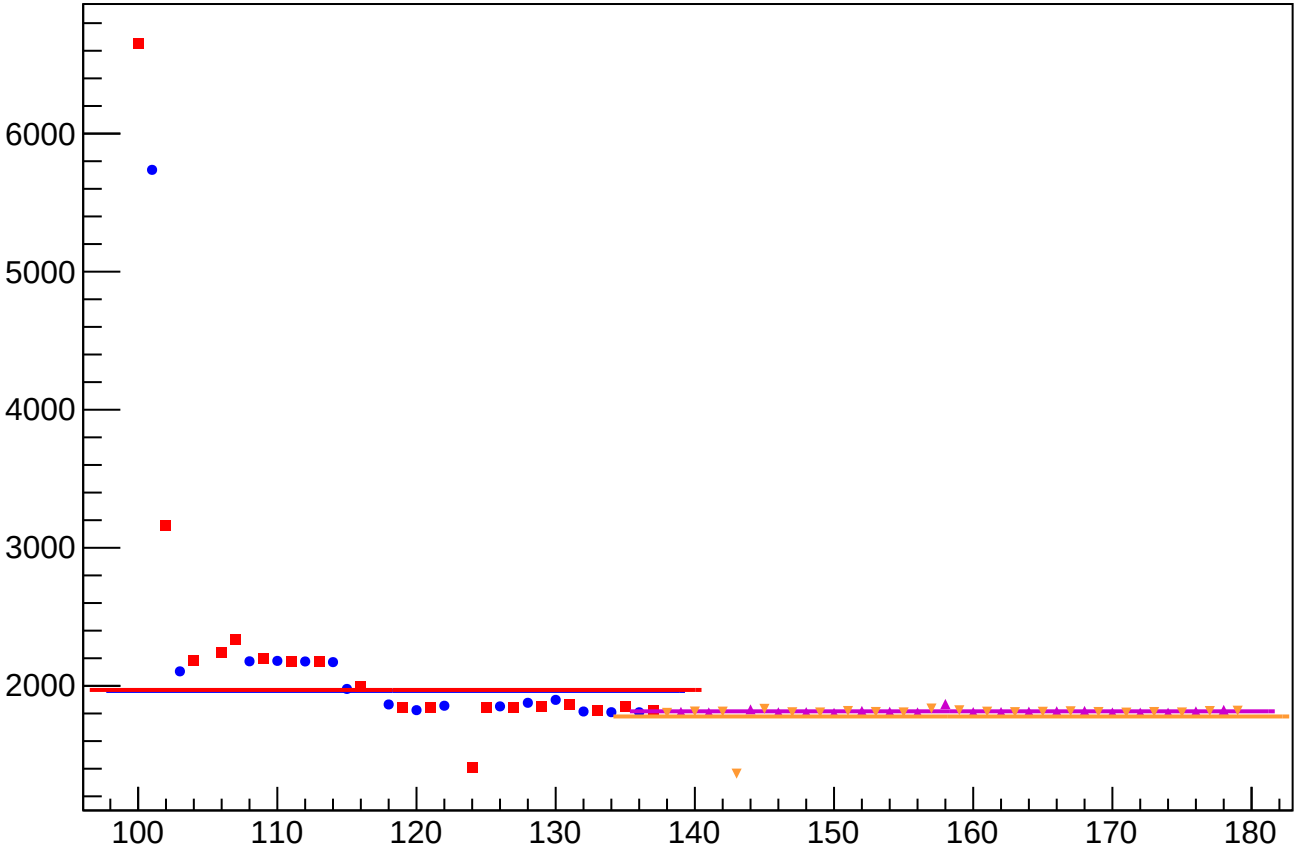
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2070.394+/-384.791 χ^2/NDF:43.3/35

Out: 1874.966+/-368.995 χ^2/NDF:41.1/40

All: 1968.586+/-266.328 χ^2/NDF: 84.5/76

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1778.356+/-0.301 χ^2/NDF:164145.7/21

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.660+/-0.318 χ^2/NDF:1943.0/19

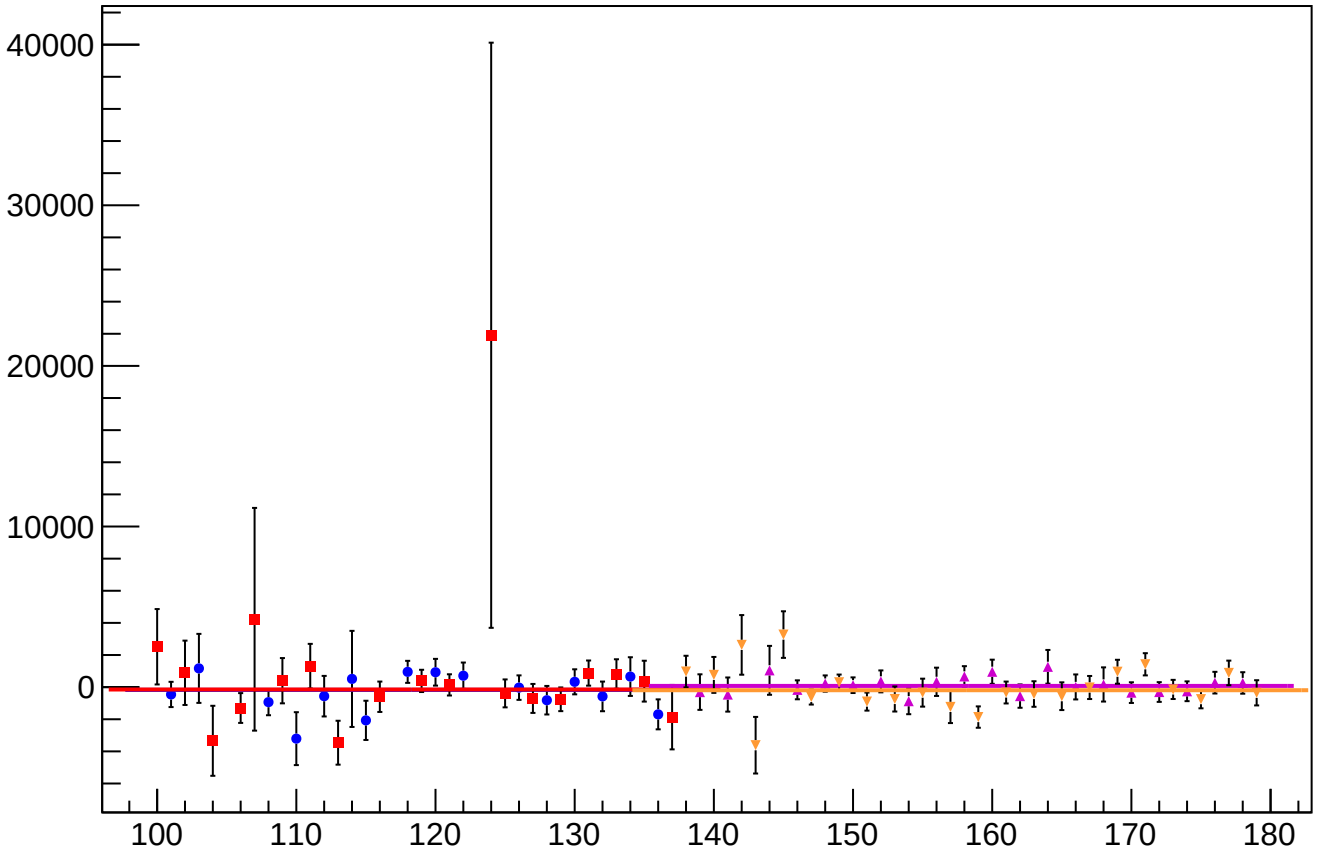
Left: 1796.034+/-0.219 χ^2/NDF: 173348.2/41

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1854.945+/-0.272 χ^2/NDF:699757.2/35

Out: 1826.486+/-0.261 χ^2/NDF:611063.4/40

All: 1840.120+/-0.188 χ^2/NDF: 1316519.9/76



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 76.271+/-158.547 χ^2/NDF:8.2/19

Left: -60.423+/-111.074 χ^2/NDF: 46.2/41

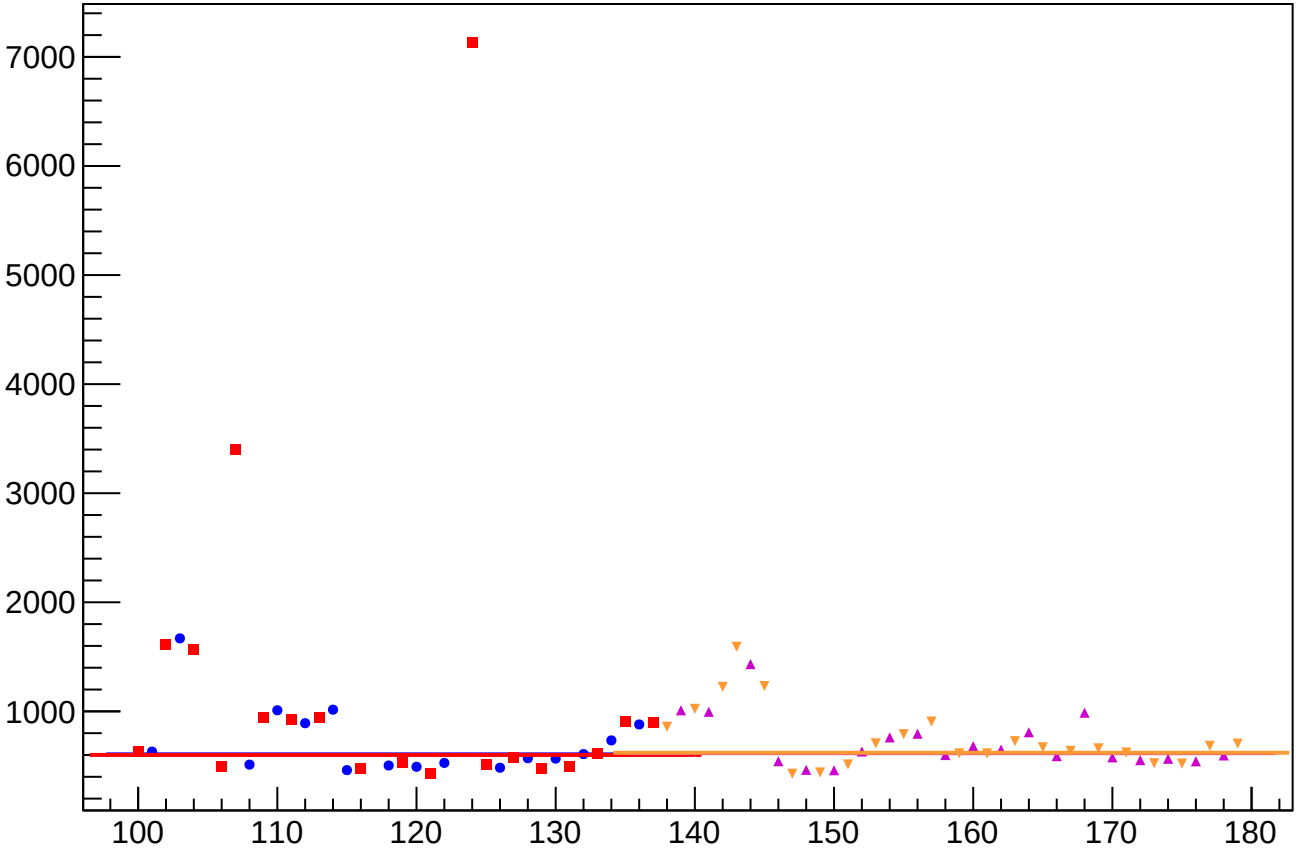
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -0.146+/-131.763 χ^2/NDF:26.2/35

Out: -179.168+/-131.049 χ^2/NDF:56.6/40

All: -90.143+/-92.917 χ^2/NDF: 83.7/76

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.285+/-0.110 χ^2/NDF:2701823.3/21

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 616.816+/-0.112 χ^2/NDF:2051657.9/19

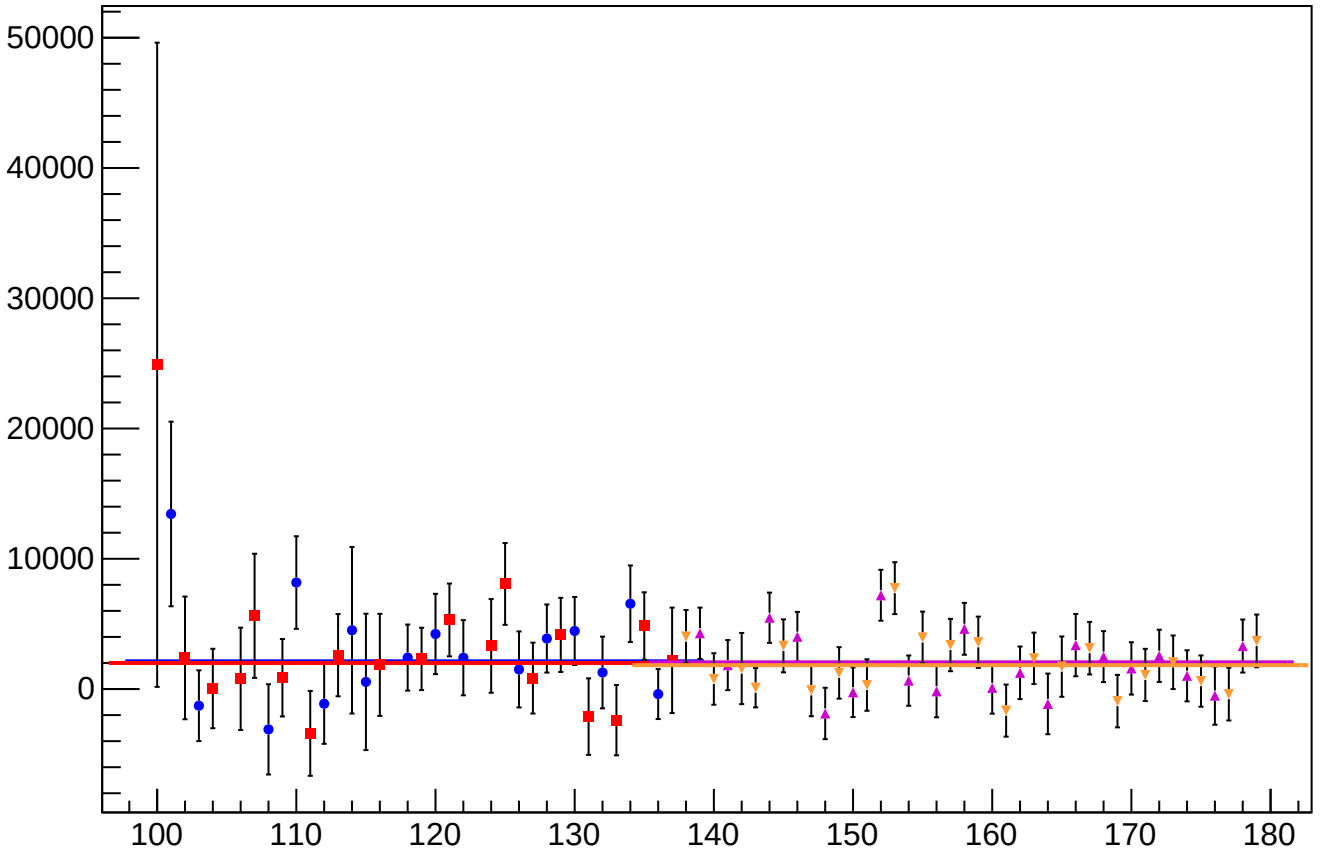
Left: 618.583+/-0.079 χ^2/NDF: 4753968.8/41

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 613.294+/-0.093 χ^2/NDF:3217303.2/35

Out: 614.508+/-0.093 χ^2/NDF:5039807.4/40

All: 613.904+/-0.066 χ^2/NDF: 8257196.0/76



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1832.427+/-426.232 χ^2/NDF:24.3/21

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2049.259+/-449.100 χ^2/NDF:26.8/19

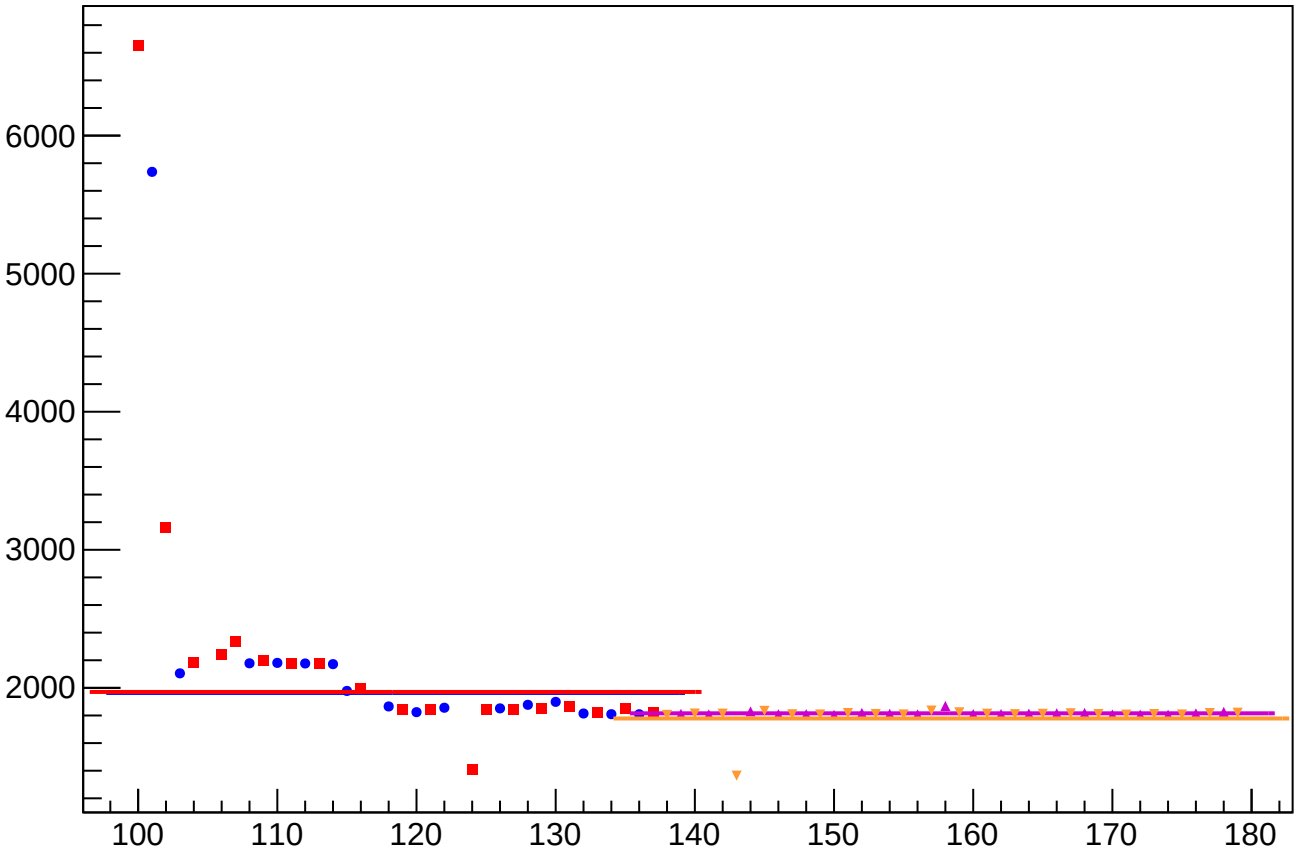
Left: 1935.182+/-309.160 χ^2/NDF: 51.2/41

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2070.394+/-384.791 χ^2/NDF:43.3/35

Out: 1874.966+/-368.995 χ^2/NDF:41.1/40

All: 1968.586+/-266.328 χ^2/NDF: 84.5/76



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1778.356+/-0.301 χ^2/NDF:164145.7/21

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.660+/-0.318 χ^2/NDF:1943.0/19

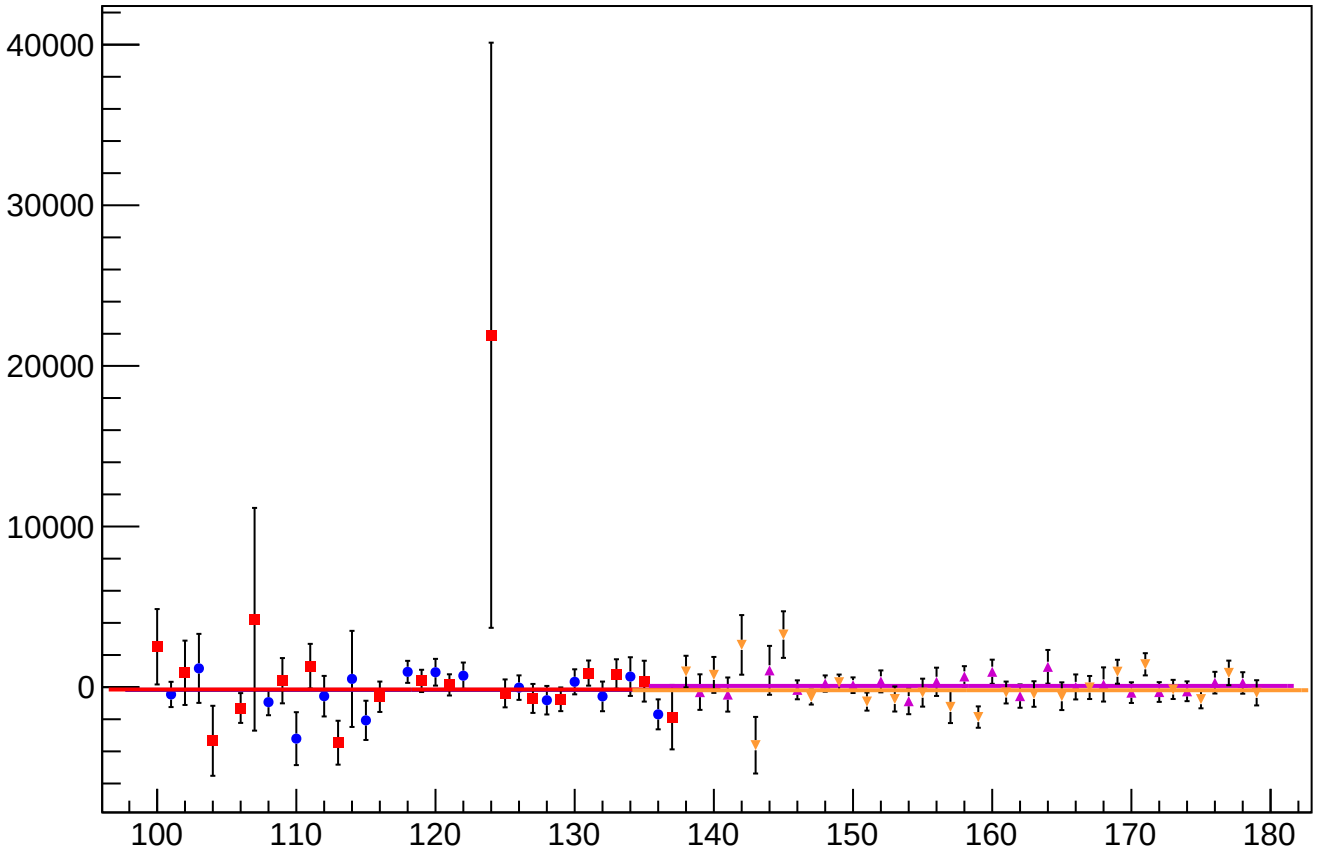
Left: 1796.034+/-0.219 χ^2/NDF: 173348.2/41

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1854.945+/-0.272 χ^2/NDF:699756.7/35

Out: 1826.486+/-0.261 χ^2/NDF:611061.8/40

All: 1840.119+/-0.188 χ^2/NDF: 1316517.8/76



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.183+/-155.659 χ^2/NDF:36.5/21

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 76.271+/-158.547 χ^2/NDF:8.2/19

Left: -60.423+/-111.075 χ^2/NDF: 46.2/41

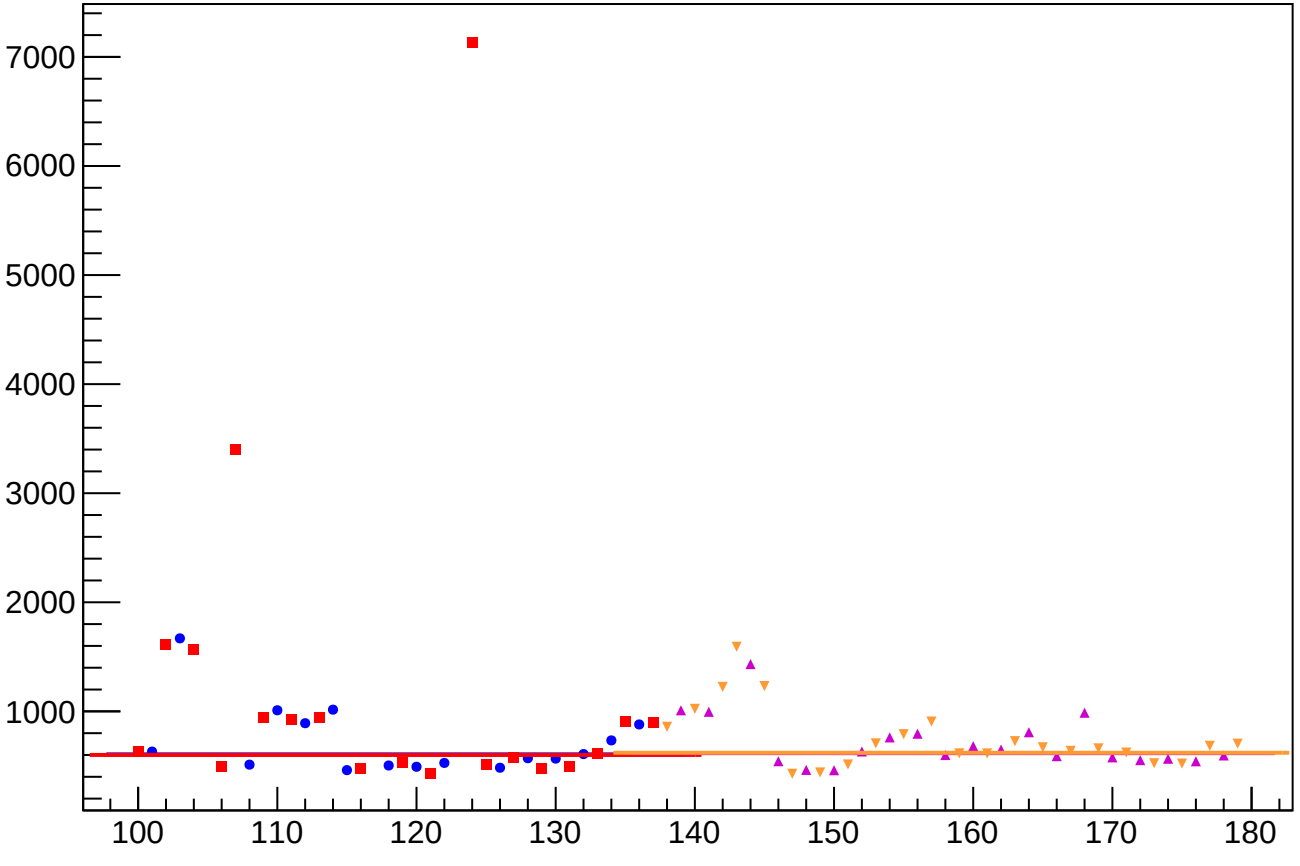
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -0.146+/-131.763 χ^2/NDF:26.2/35

Out: -179.168+/-131.049 χ^2/NDF:56.6/40

All: -90.143+/-92.917 χ^2/NDF: 83.7/76

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 620.286+/-0.110 χ^2/NDF:2701815.9/21

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 616.817+/-0.112 χ^2/NDF:2051653.6/19

Left: 618.584+/-0.079 χ^2/NDF: 4753957.2/41

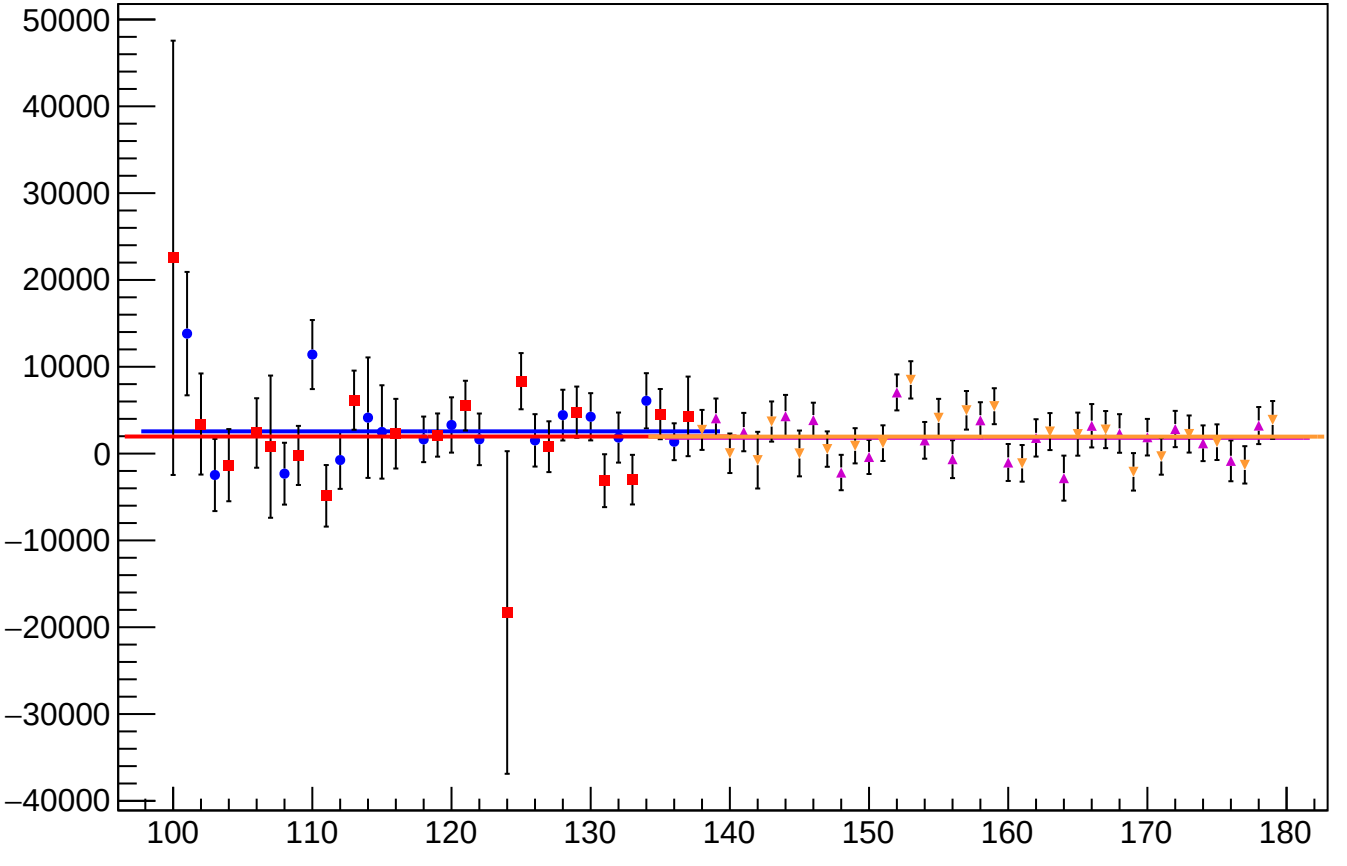
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 613.294+/-0.093 χ^2/NDF:3217308.0/35

Out: 614.509+/-0.093 χ^2/NDF:5039809.8/40

All: 613.905+/-0.066 χ^2/NDF: 8257203.2/76

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1952.038+/-469.507 χ^2/NDF:28.7/21

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1817.394+/-484.923 χ^2/NDF:24.3/19

Left: 1886.890+/-337.310 χ^2/NDF: 53.0/41

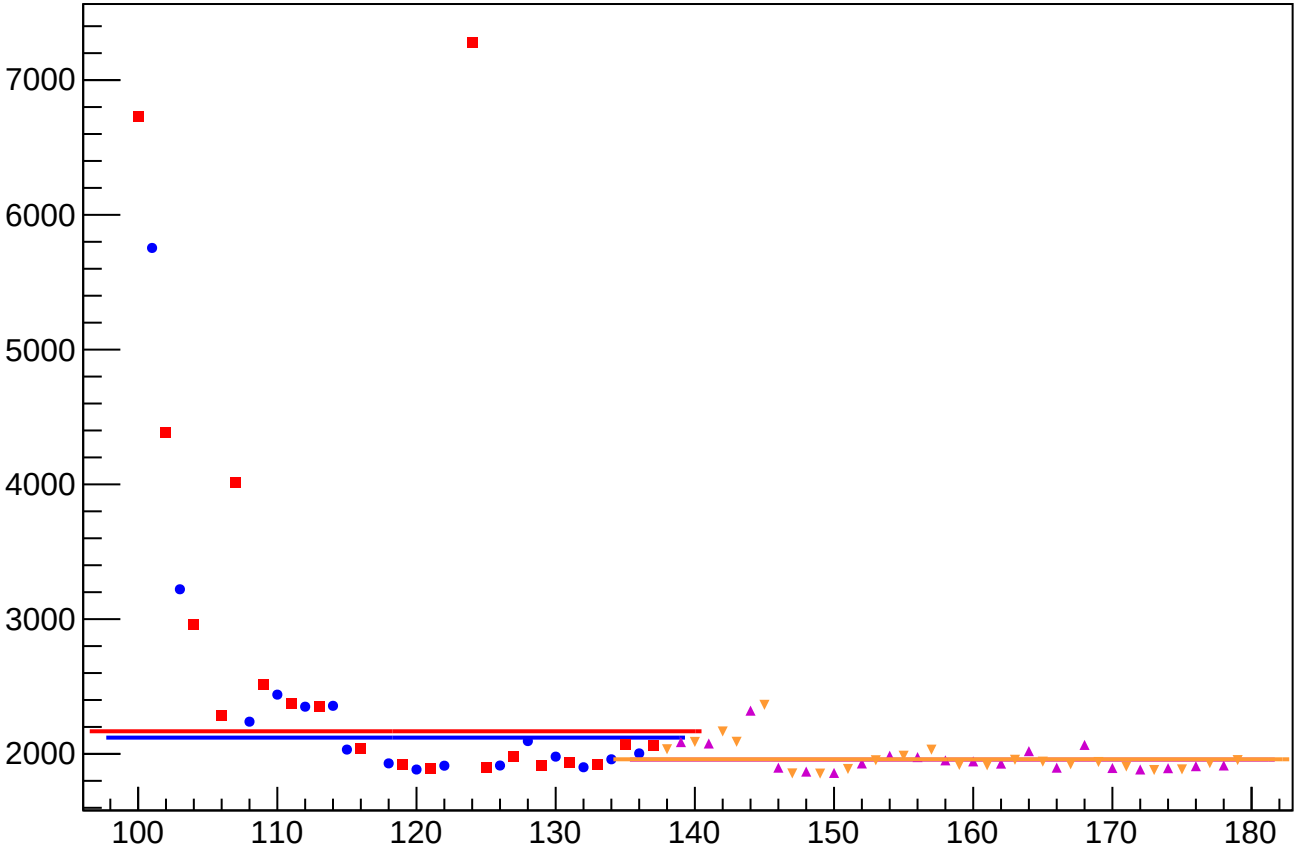
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2013.704+/-416.016 χ^2/NDF:39.5/35

Out: 1955.673+/-407.303 χ^2/NDF:50.3/40

All: 1984.075+/-291.038 χ^2/NDF: 89.8/76

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1959.967+/-0.332 χ^2/NDF:95066.8/21

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1957.428+/-0.343 χ^2/NDF:83328.6/19

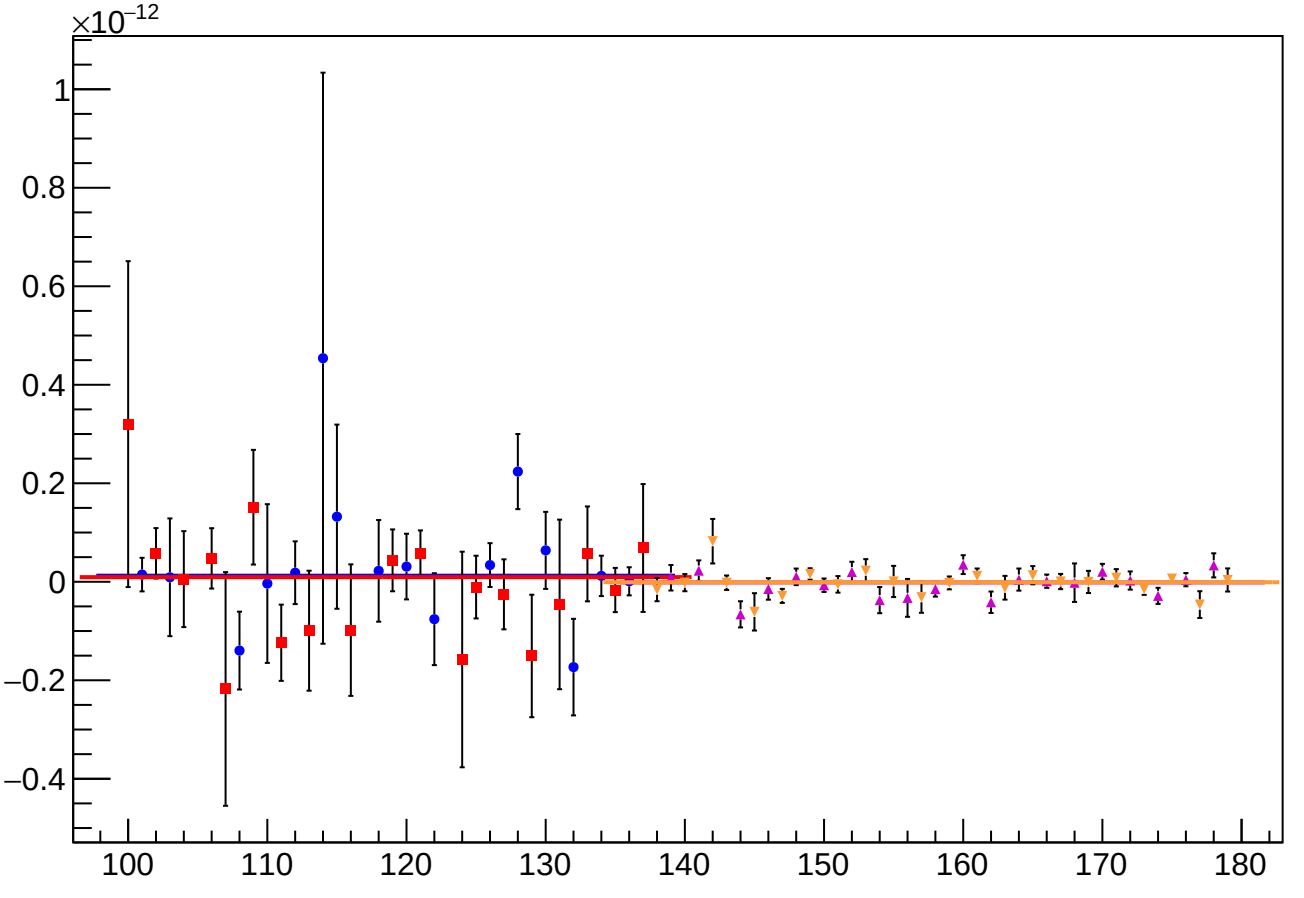
Left: 1958.739+/-0.239 χ^2/NDF: 178423.6/41

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2000.554+/-0.294 χ^2/NDF:903212.6/35

Out: 2011.400+/-0.288 χ^2/NDF:1015994.4/40

All: 2006.092+/-0.206 χ^2/NDF: 1919901.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:26.6/19

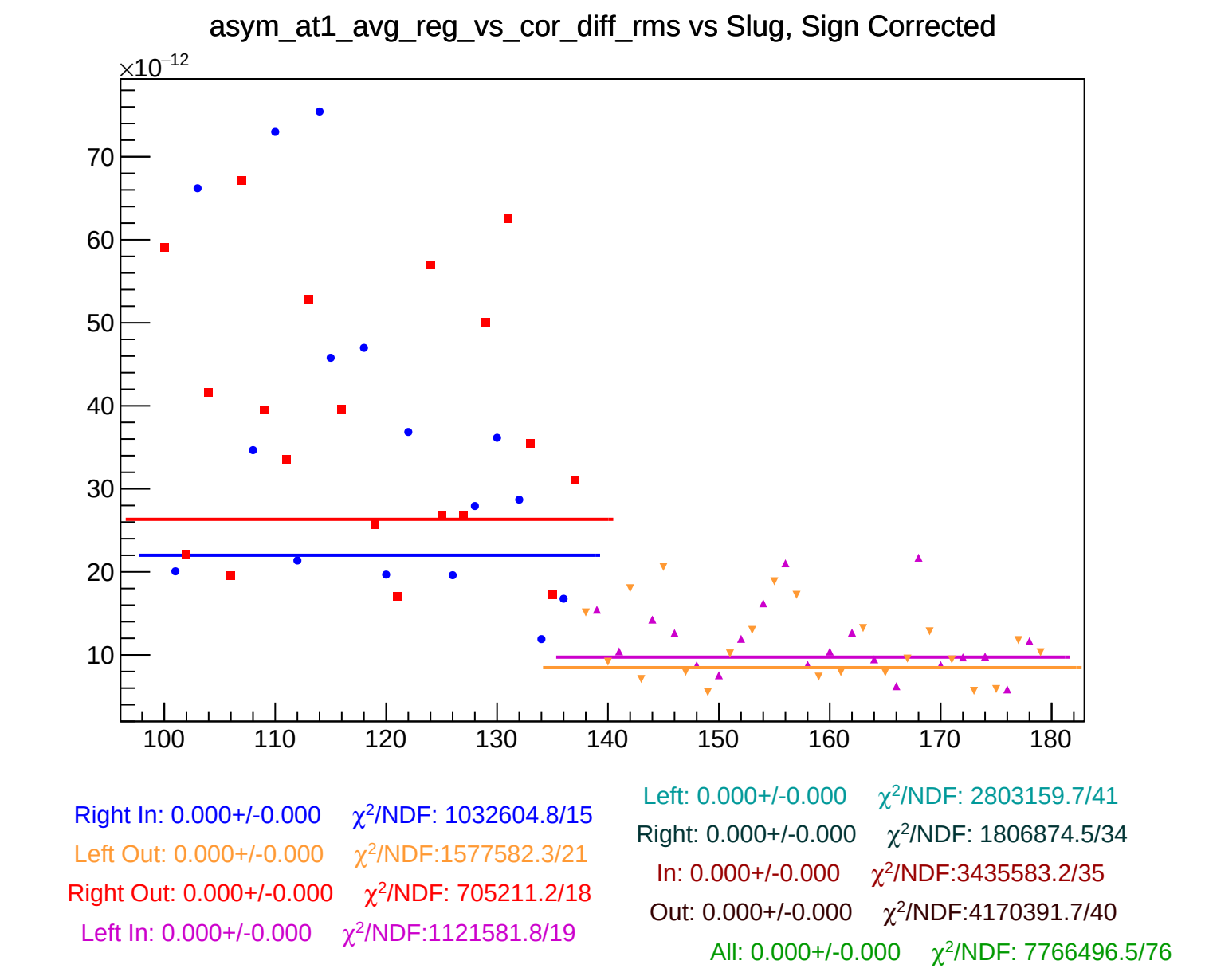
Left: -0.000+/-0.000 χ^2/NDF: 47.6/41

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

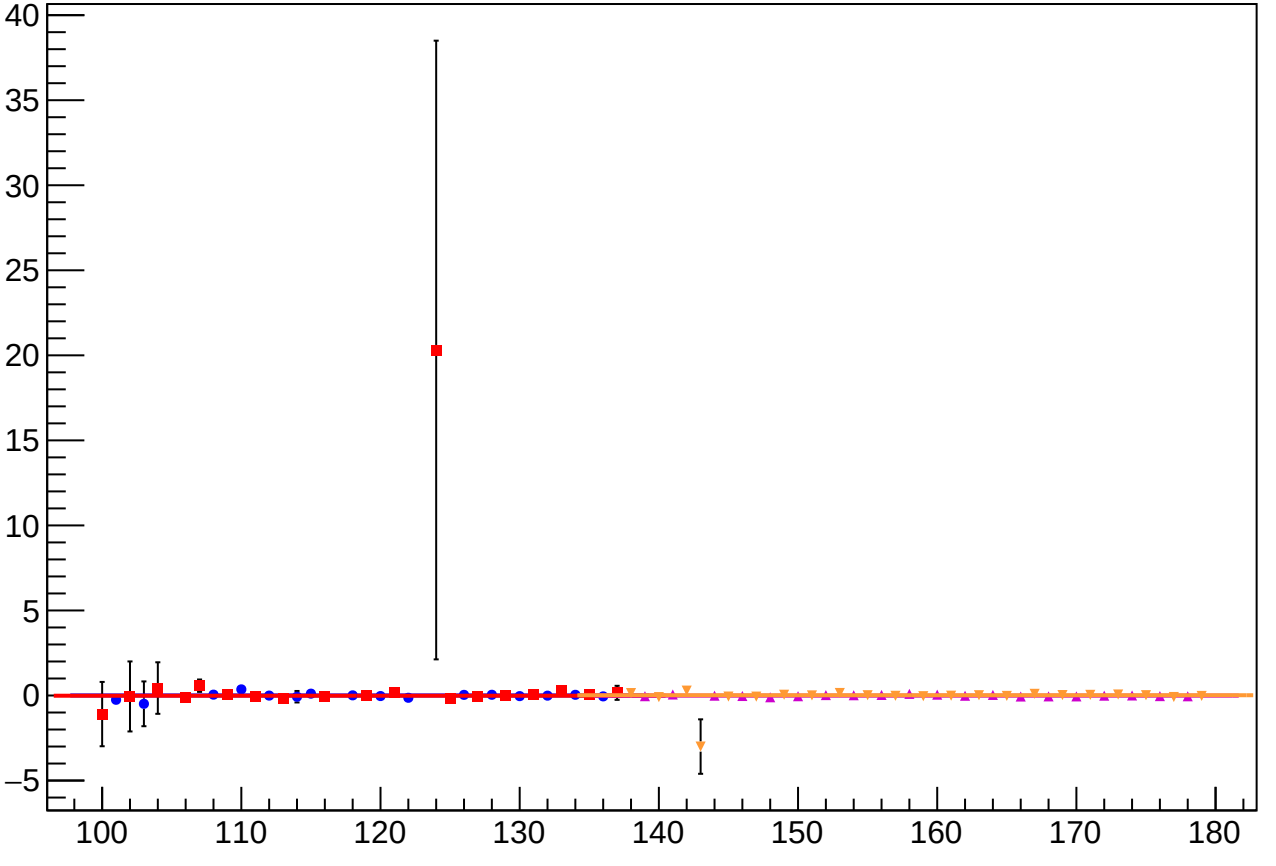
In: -0.000+/-0.000 χ^2/NDF:45.2/35

Out: -0.000+/-0.000 χ^2/NDF:35.0/40

All: -0.000+/-0.000 χ^2/NDF: 80.2/76


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1577582.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:1121581.8/19
Left: 0.000+/-0.000 χ²/NDF: 2803159.7/41
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3435583.2/35
Out: 0.000+/-0.000 χ²/NDF:4170391.7/40
All: 0.000+/-0.000 χ²/NDF: 7766496.5/76

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.009+/-0.013 χ^2/NDF:14.8/19

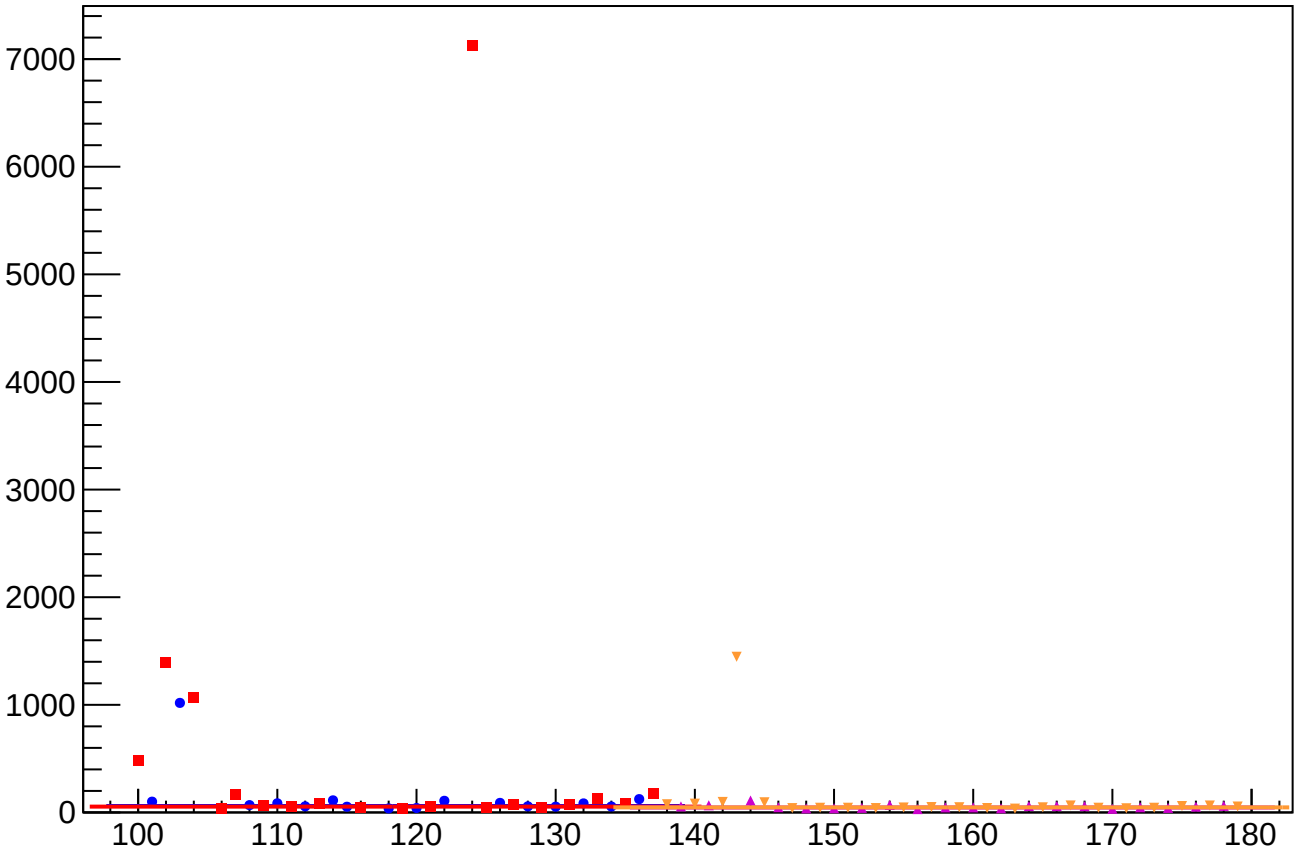
Left: 0.003+/-0.009 χ^2/NDF: 44.1/41

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: 0.002+/-0.008 χ^2/NDF: 73.4/76



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194788.6/21

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.050+/-0.009 χ^2/NDF:1802633.5/19

Left: 46.592+/-0.006 χ^2/NDF: 5004584.2/41

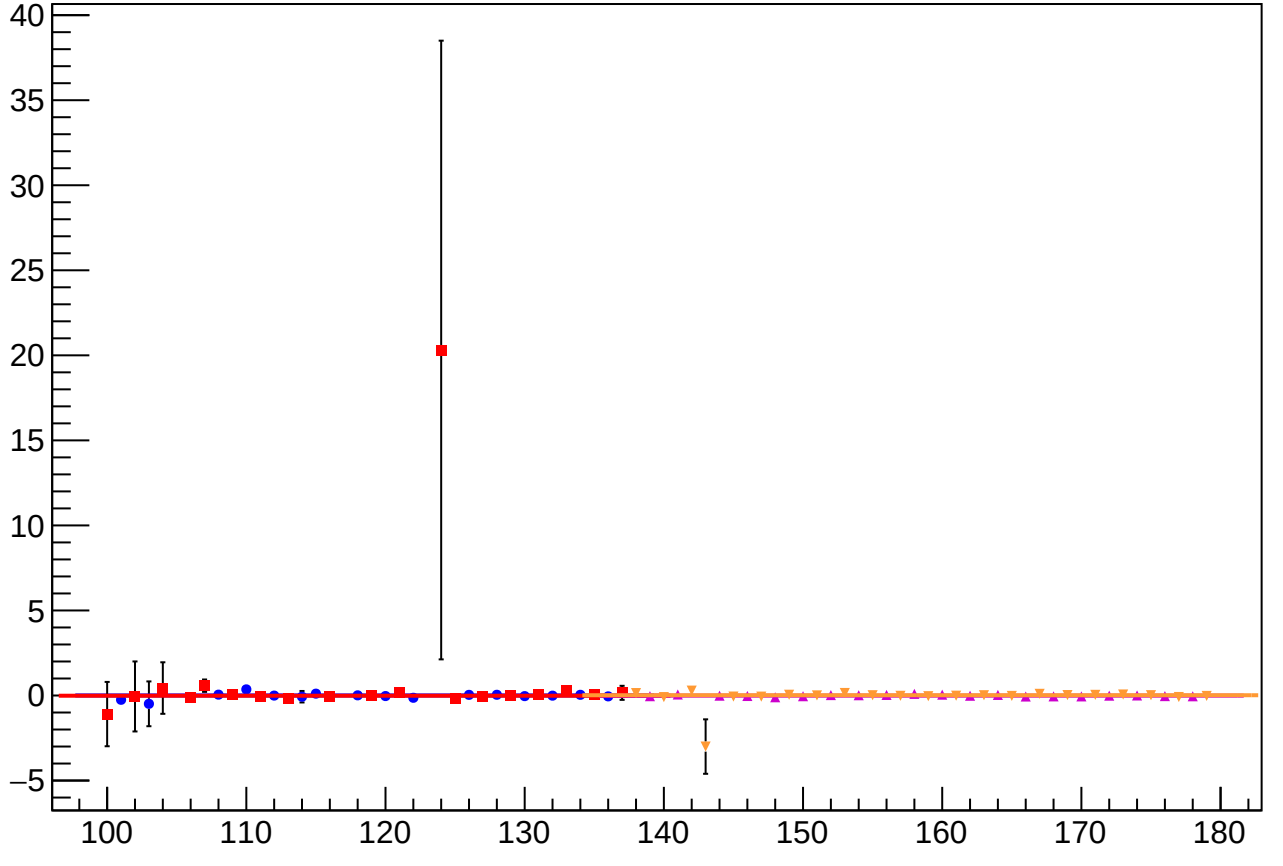
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.636+/-0.008 χ^2/NDF:4774330.0/35

Out: 48.566+/-0.008 χ^2/NDF:6837624.6/40

All: 48.601+/-0.006 χ^2/NDF: 11611991.2/76

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.009+/-0.013 χ^2/NDF:14.8/19

Left: 0.003+/-0.009 χ^2/NDF: 44.1/41

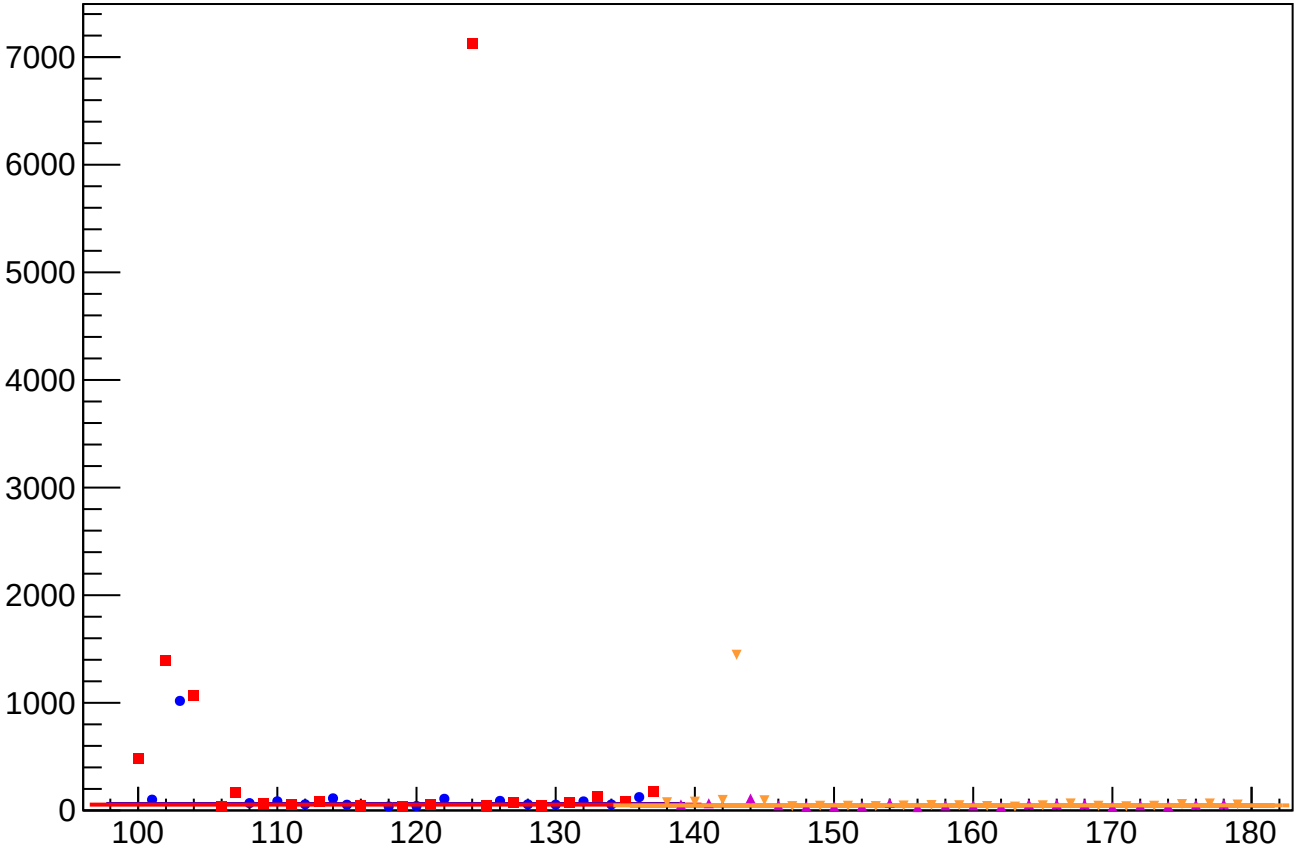
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: 0.002+/-0.008 χ^2/NDF: 73.4/76

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194788.6/21

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 46.050+/-0.009 χ^2/NDF:1802633.5/19

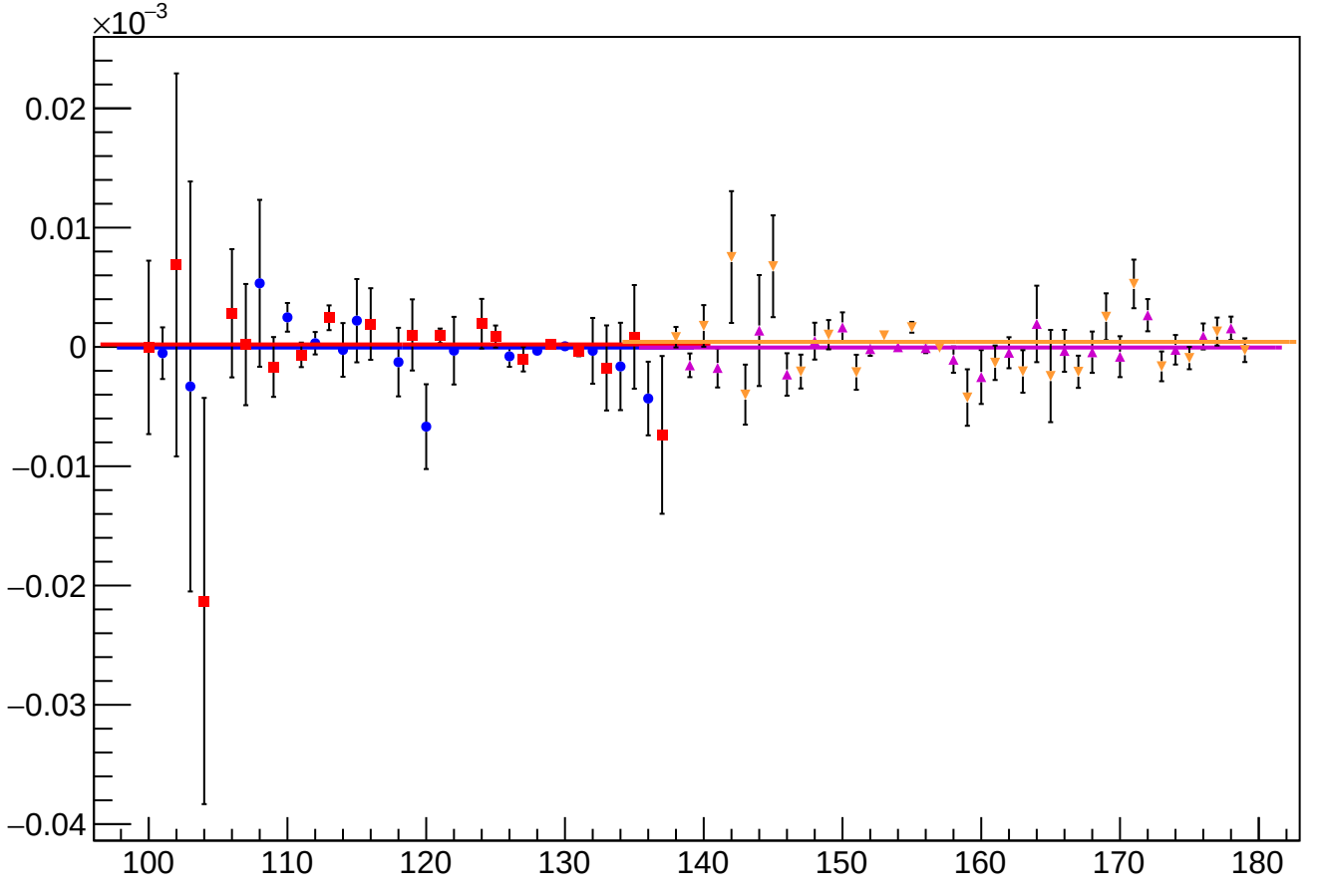
Left: 46.592+/-0.006 χ^2/NDF: 5004584.2/41

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.636+/-0.008 χ^2/NDF:4774330.0/35

Out: 48.566+/-0.008 χ^2/NDF:6837624.6/40

All: 48.601+/-0.006 χ^2/NDF: 11611991.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.4/19

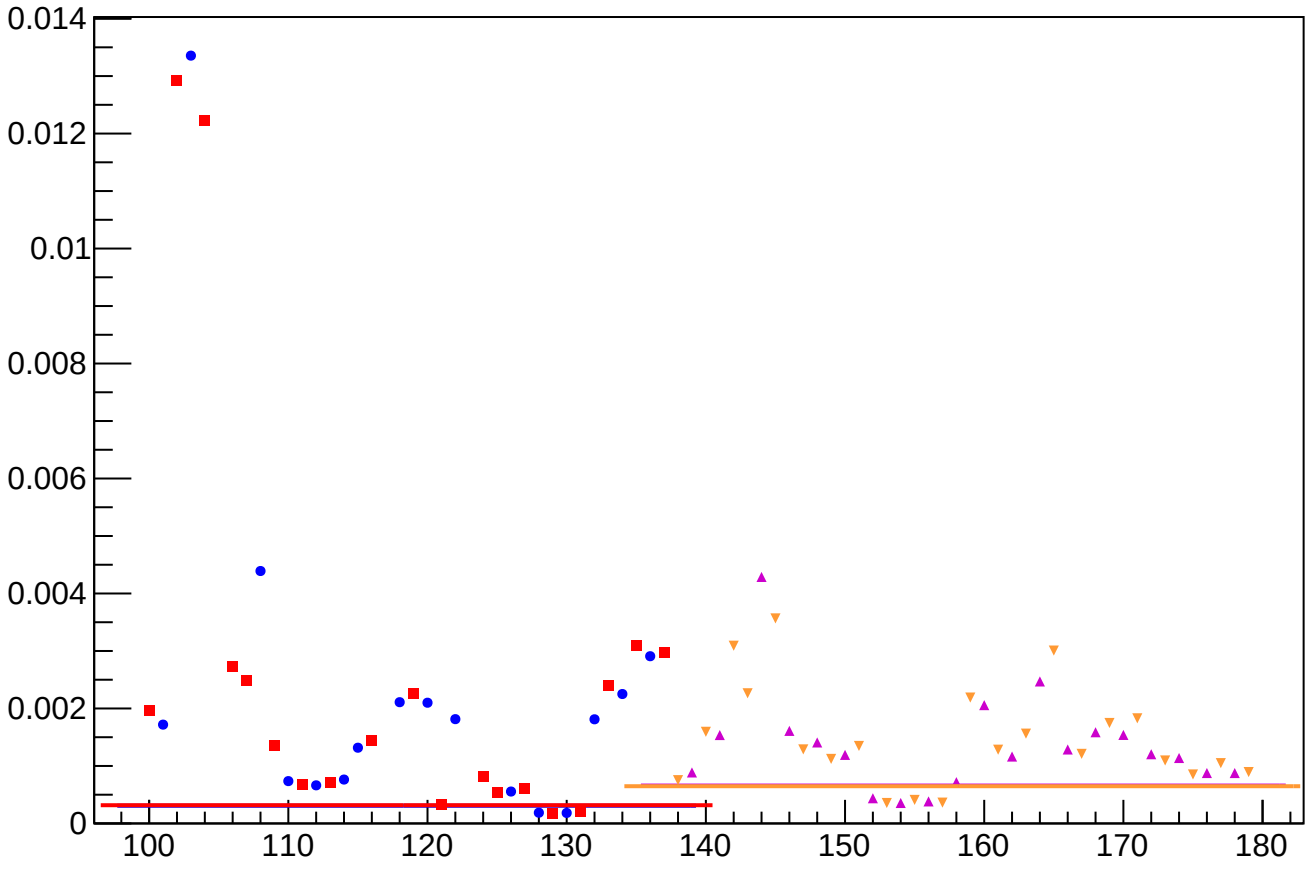
Left: 0.000+/-0.000 χ^2/NDF: 69.0/41

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:30.2/35

Out: 0.000+/-0.000 χ^2/NDF:65.0/40

All: 0.000+/-0.000 χ^2/NDF: 98.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11494889.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9587698.3/19

Left: 0.001+/-0.000 χ^2/NDF: 21086009.4/41

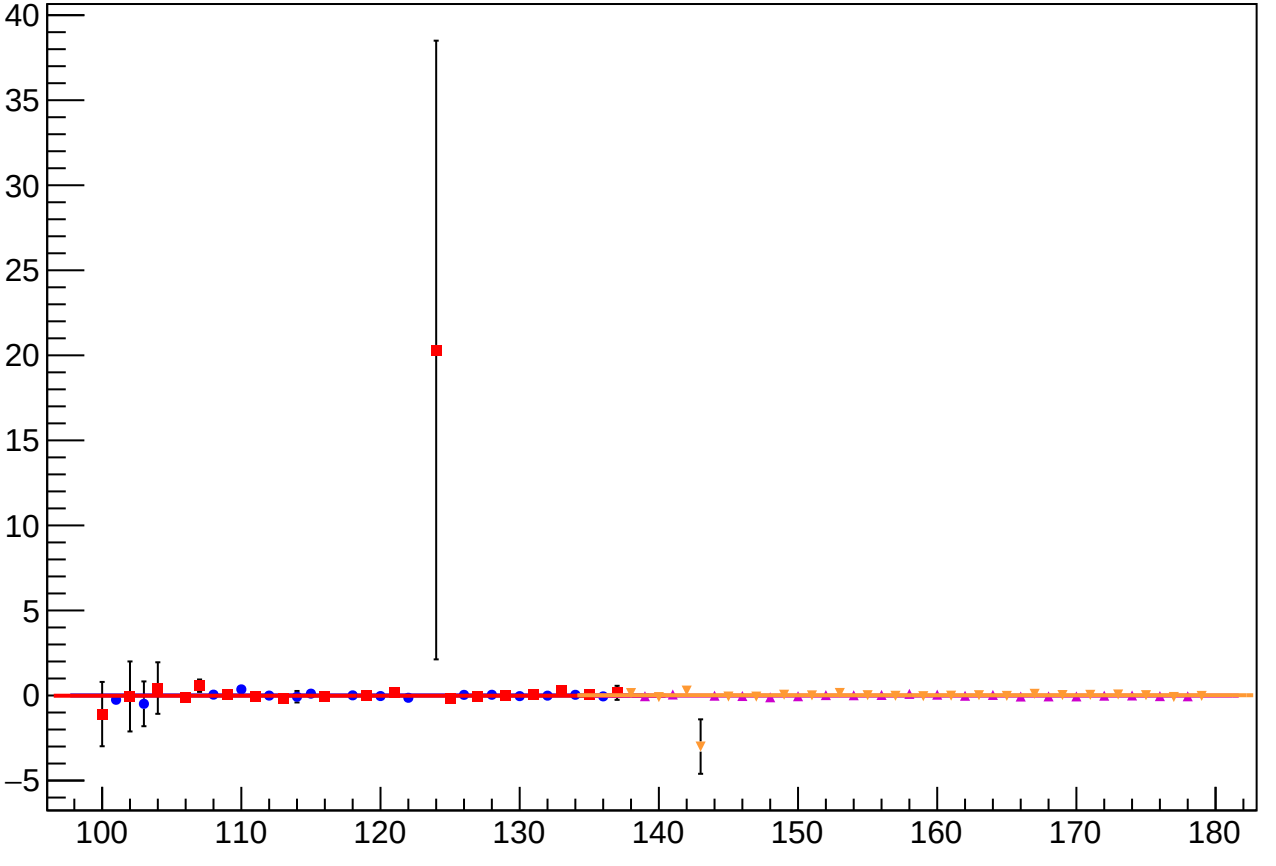
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21468108.6/35

Out: 0.000+/-0.000 χ^2/NDF:22448751.4/40

All: 0.000+/-0.000 χ^2/NDF: 43919729.8/76

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.009+/-0.013 χ^2/NDF:14.8/19

Left: 0.003+/-0.009 χ^2/NDF: 44.1/41

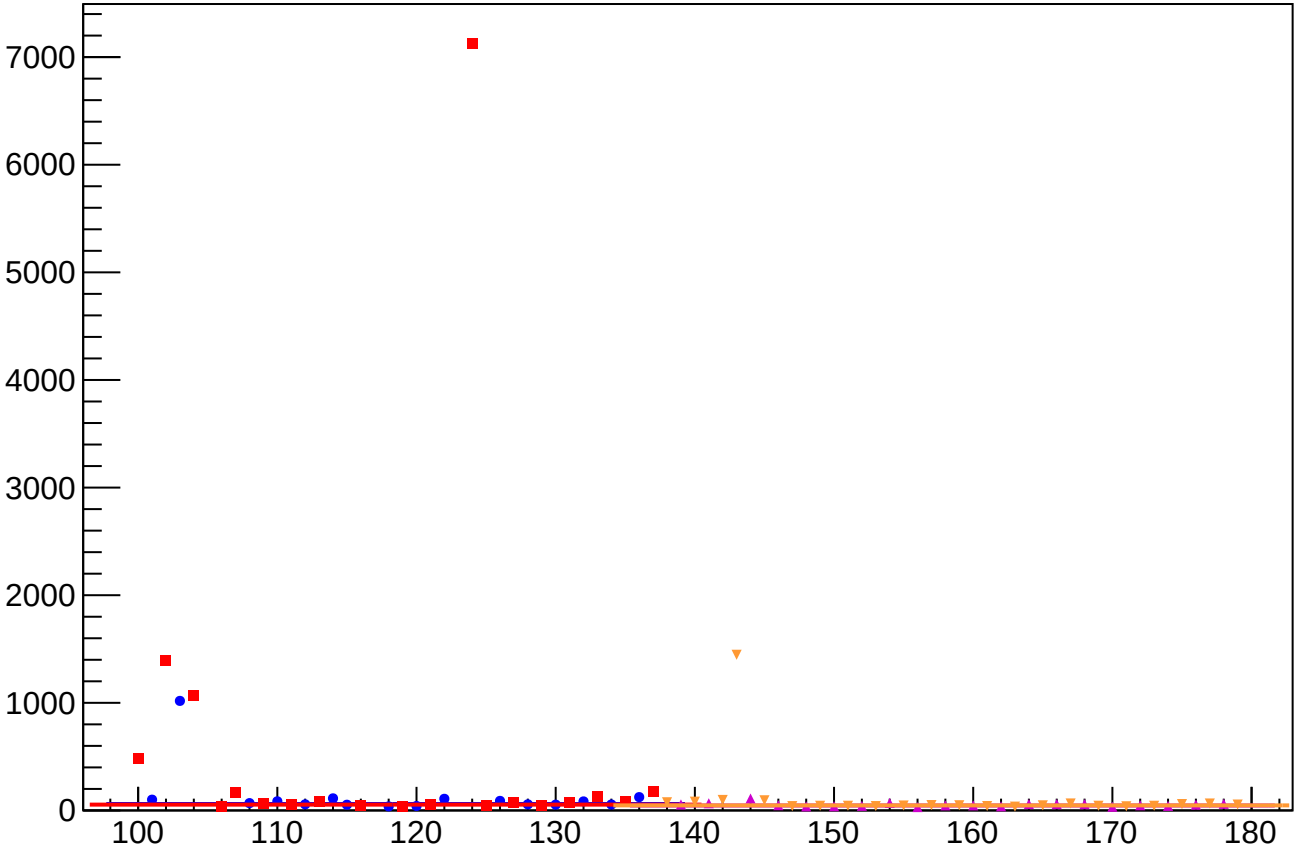
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: 0.002+/-0.008 χ^2/NDF: 73.4/76

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194767.4/21

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.050+/-0.009 χ^2/NDF:1802630.3/19

Left: 46.592+/-0.006 χ^2/NDF: 5004562.9/41

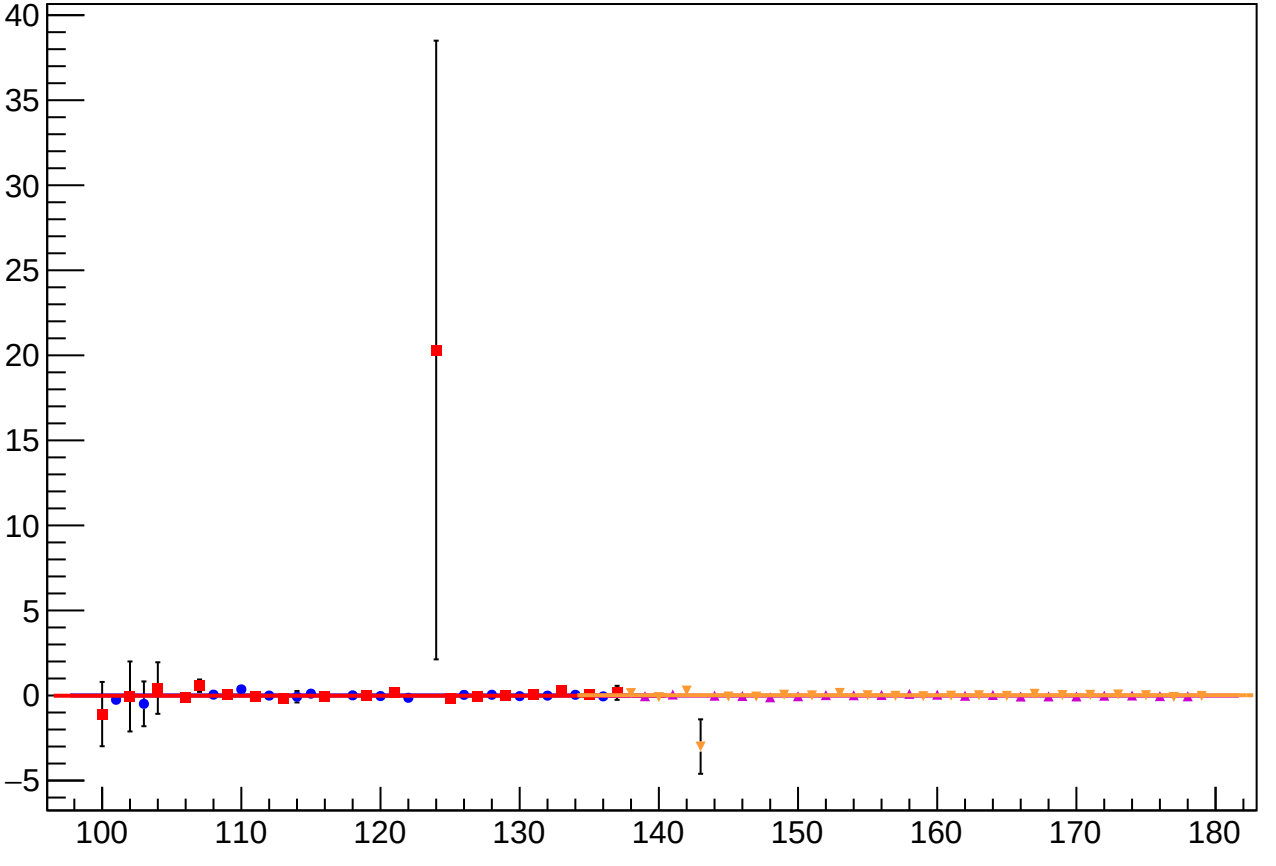
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.636+/-0.008 χ^2/NDF:4774330.5/35

Out: 48.566+/-0.008 χ^2/NDF:6837622.6/40

All: 48.601+/-0.006 χ^2/NDF: 11611989.6/76

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.016+/-0.013 χ^2/NDF:27.3/21

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.009+/-0.013 χ^2/NDF:14.8/19

Left: 0.003+/-0.009 χ^2/NDF: 44.1/41

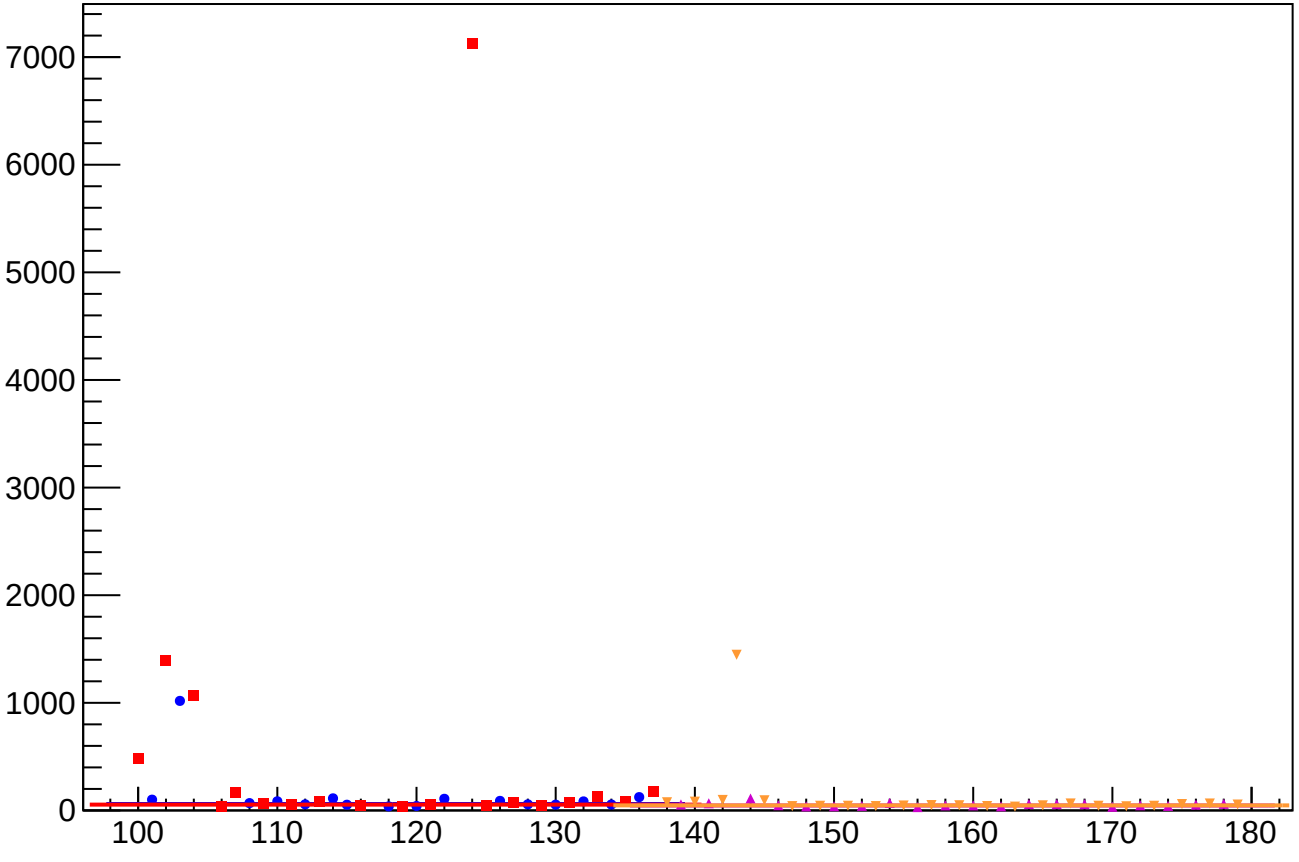
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.010+/-0.012 χ^2/NDF:45.9/40

All: 0.002+/-0.008 χ^2/NDF: 73.4/76

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 47.141+/-0.009 χ^2/NDF:3194767.4/21

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 46.050+/-0.009 χ^2/NDF:1802630.3/19

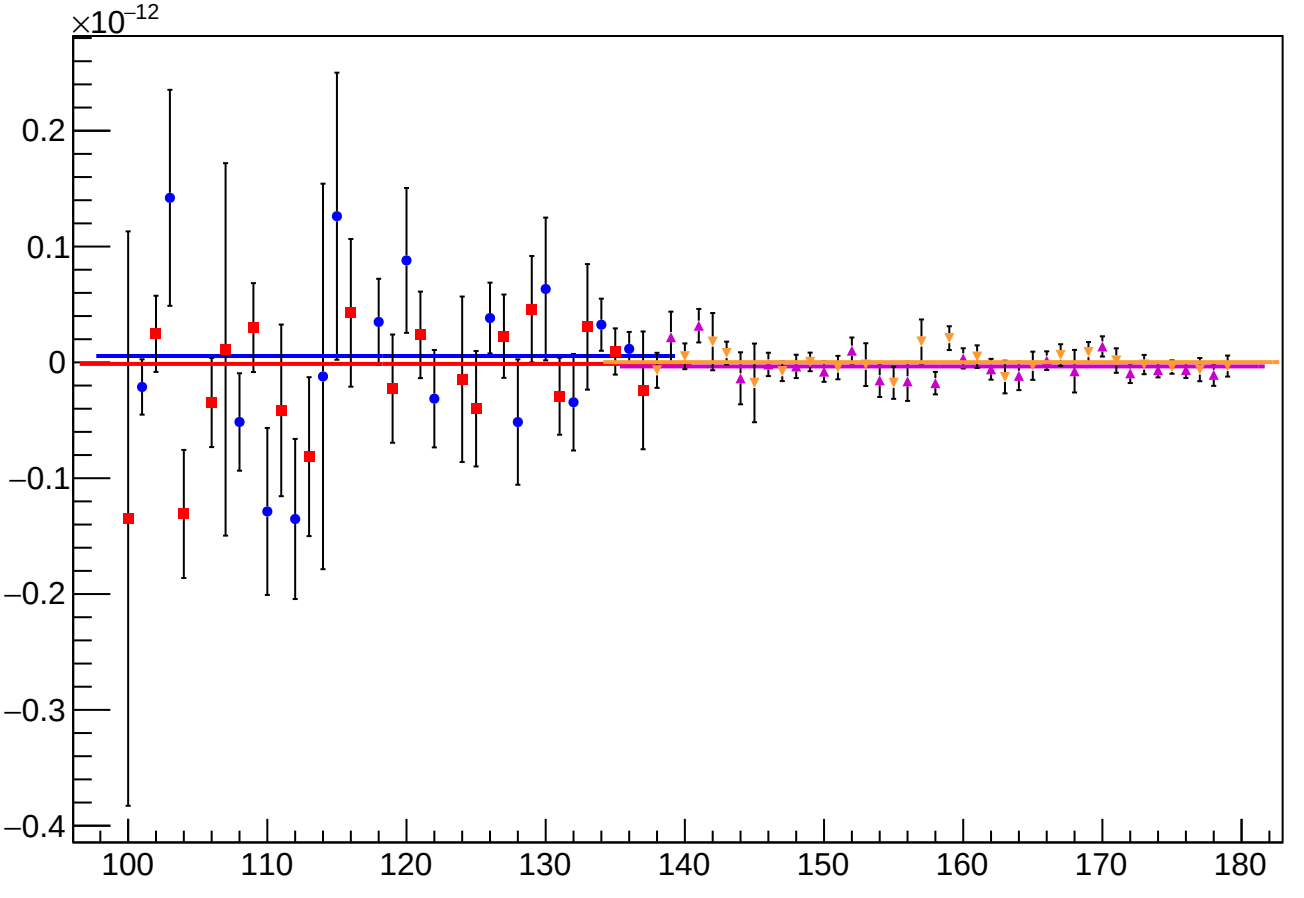
Left: 46.592+/-0.006 χ^2/NDF: 5004562.9/41

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.636+/-0.008 χ^2/NDF:4774330.5/35

Out: 48.566+/-0.008 χ^2/NDF:6837622.6/40

All: 48.601+/-0.006 χ^2/NDF: 11611989.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/19

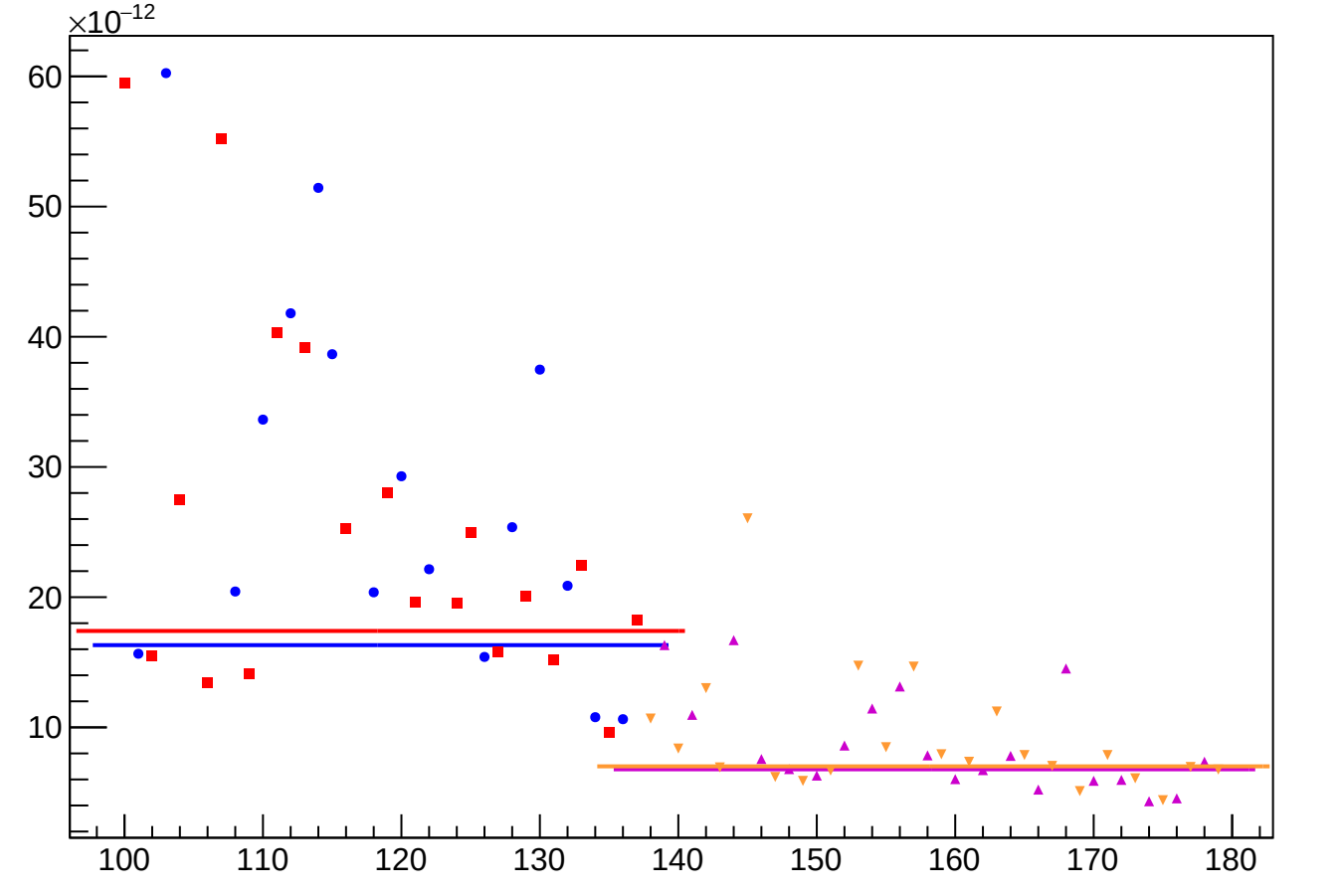
Left: -0.000+/-0.000 χ^2/NDF: 34.3/41

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:43.3/35

Out: 0.000+/-0.000 χ^2/NDF:27.6/40

All: -0.000+/-0.000 χ^2/NDF: 71.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2396980.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2541700.8/19

Left: 0.000+/-0.000 χ^2/NDF: 4949428.6/41

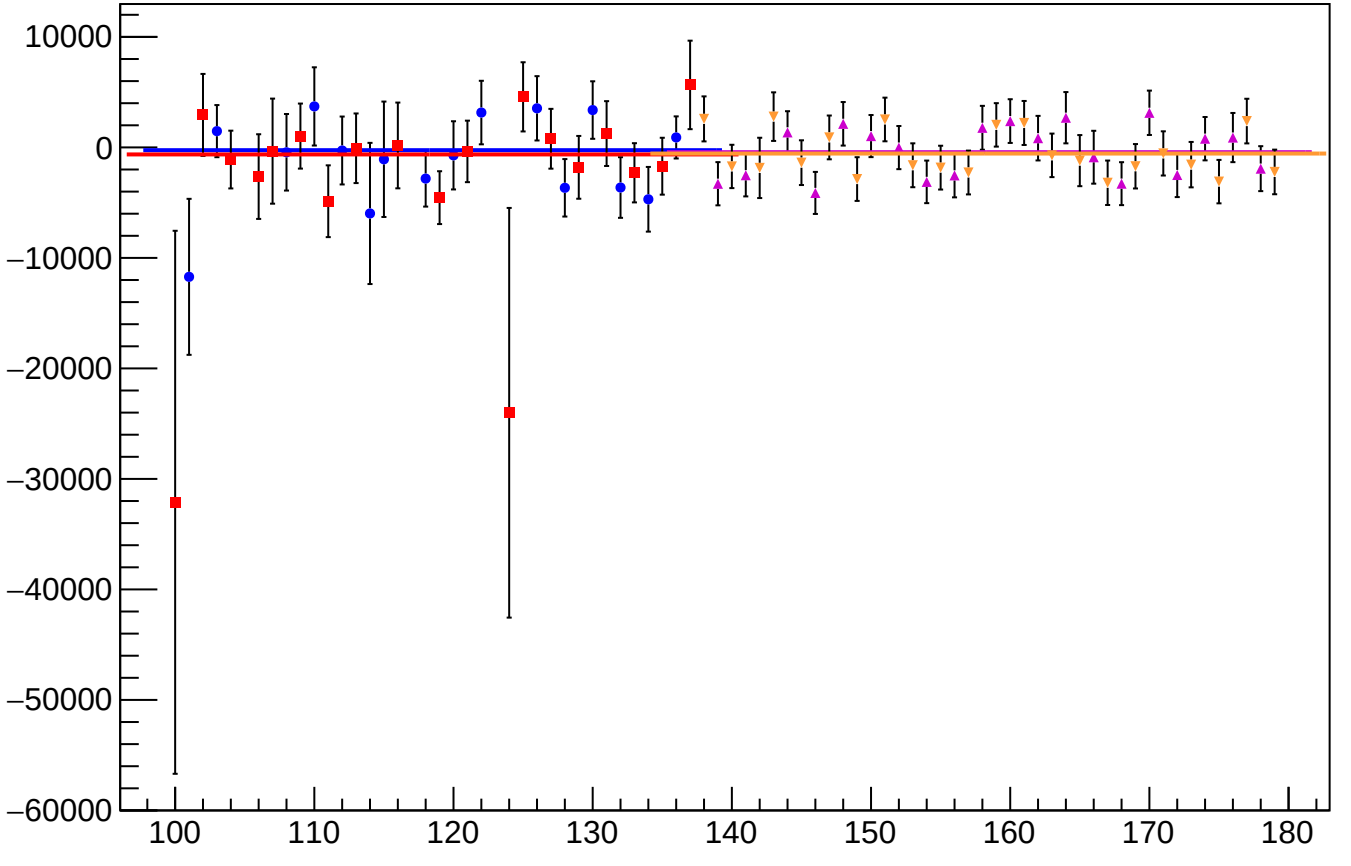
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:6719734.2/35

Out: 0.000+/-0.000 χ^2/NDF:5747689.8/40

All: 0.000+/-0.000 χ^2/NDF: 12471679.3/76

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -556.482+/-434.276 χ^2/NDF:21.7/21

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -431.618+/-448.033 χ^2/NDF:26.5/19

Left: -495.997+/-311.830 χ^2/NDF: 48.3/41

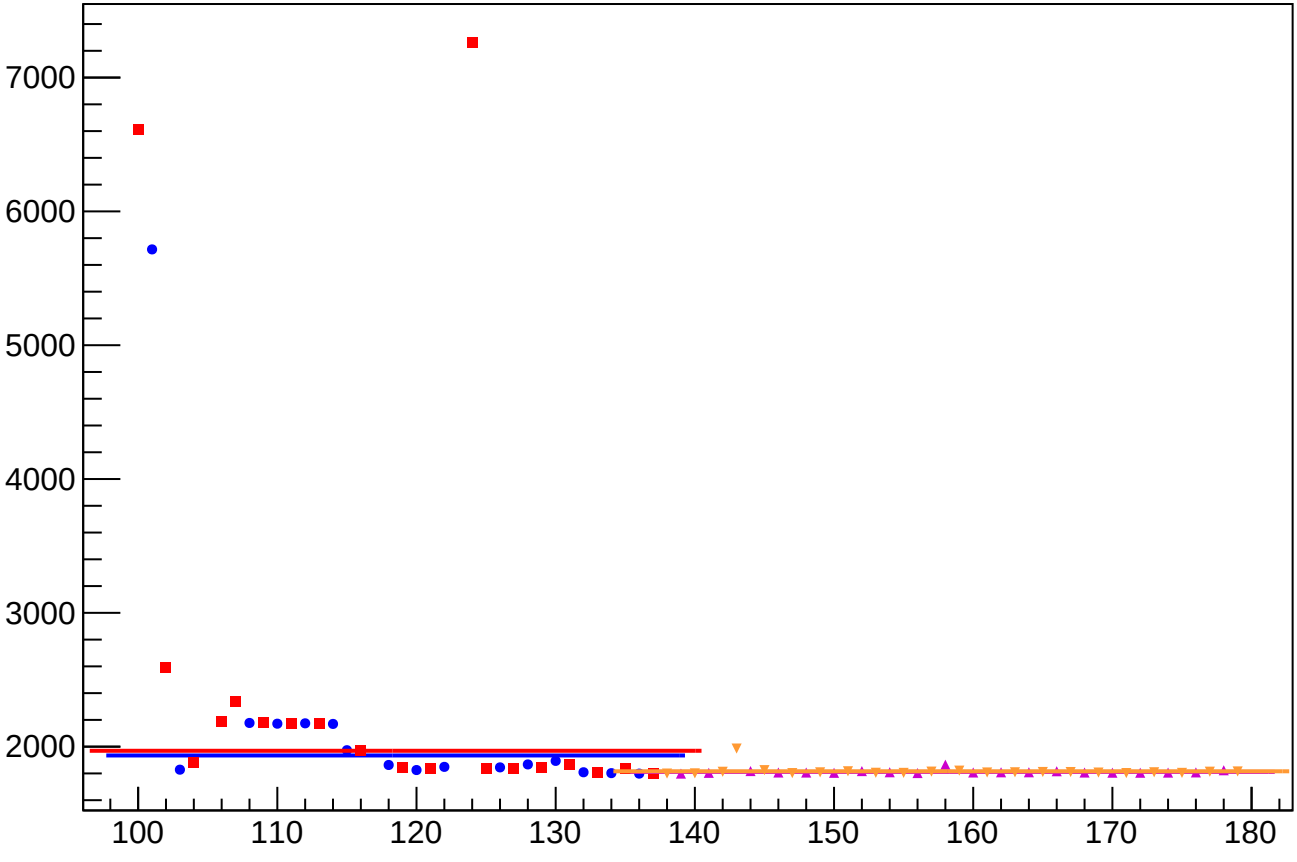
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -382.778+/-382.577 χ^2/NDF:43.8/35

Out: -577.060+/-373.952 χ^2/NDF:37.6/40

All: -482.134+/-267.421 χ^2/NDF: 81.6/76

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

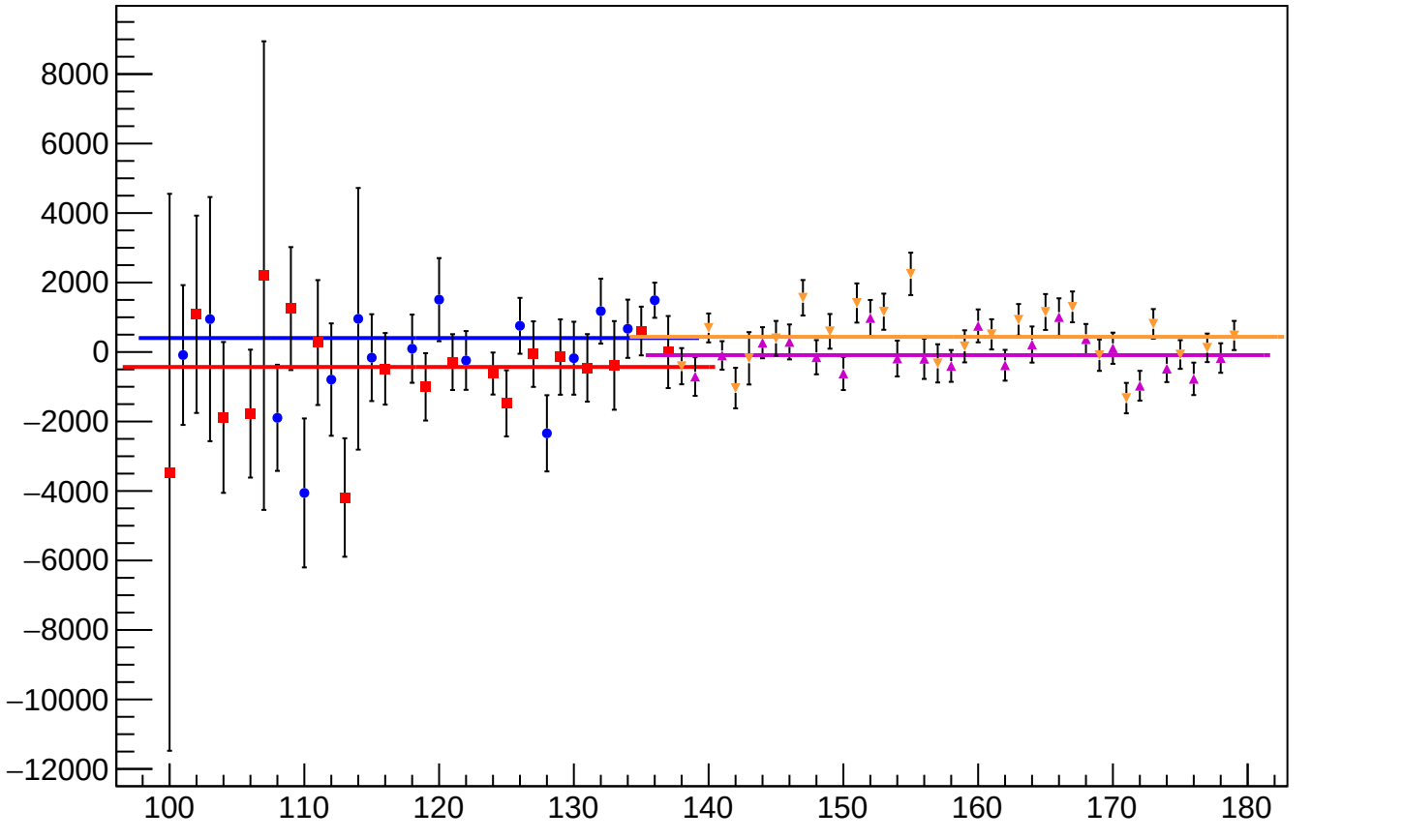
Left: 1813.726+/-0.220 χ^2/NDF: 14843.1/41

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1844.653+/-0.271 χ^2/NDF:682519.0/35

Out: 1855.552+/-0.264 χ^2/NDF:455643.1/40

All: 1850.226+/-0.189 χ^2/NDF: 1138992.3/76



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 436.509+/-102.312 χ^2/NDF:58.4/21

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -89.166+/-104.773 χ^2/NDF:25.3/19

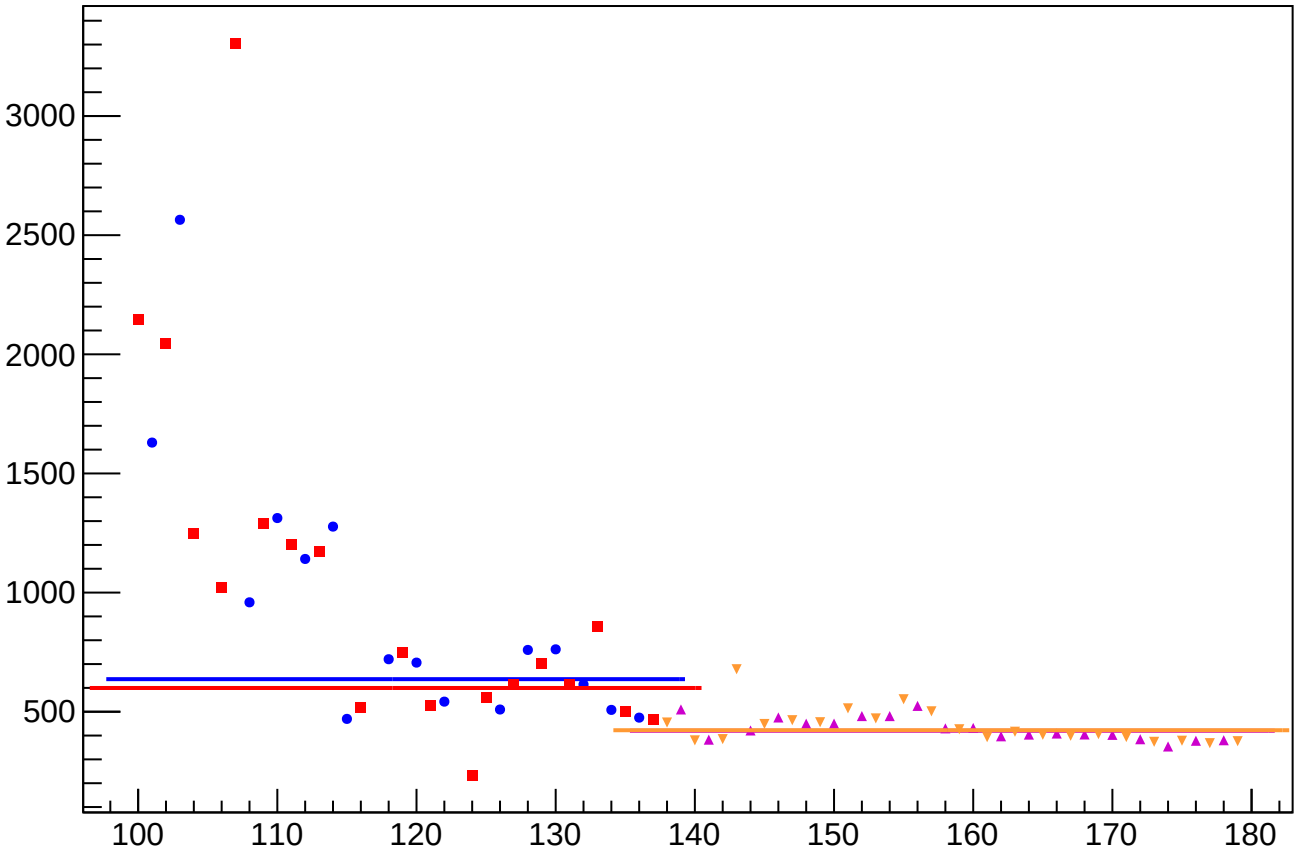
Left: 179.916+/-73.200 χ^2/NDF: 96.5/41

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: -19.810+/-97.104 χ^2/NDF:49.5/35

Out: 314.565+/-94.841 χ^2/NDF:80.2/40

All: 151.320+/-67.849 χ^2/NDF: 135.8/76



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 422.337+/-0.072 χ^2/NDF:635794.4/21

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 420.016+/-0.074 χ^2/NDF:352018.9/19

Left: 421.204+/-0.052 χ^2/NDF: 988315.6/41

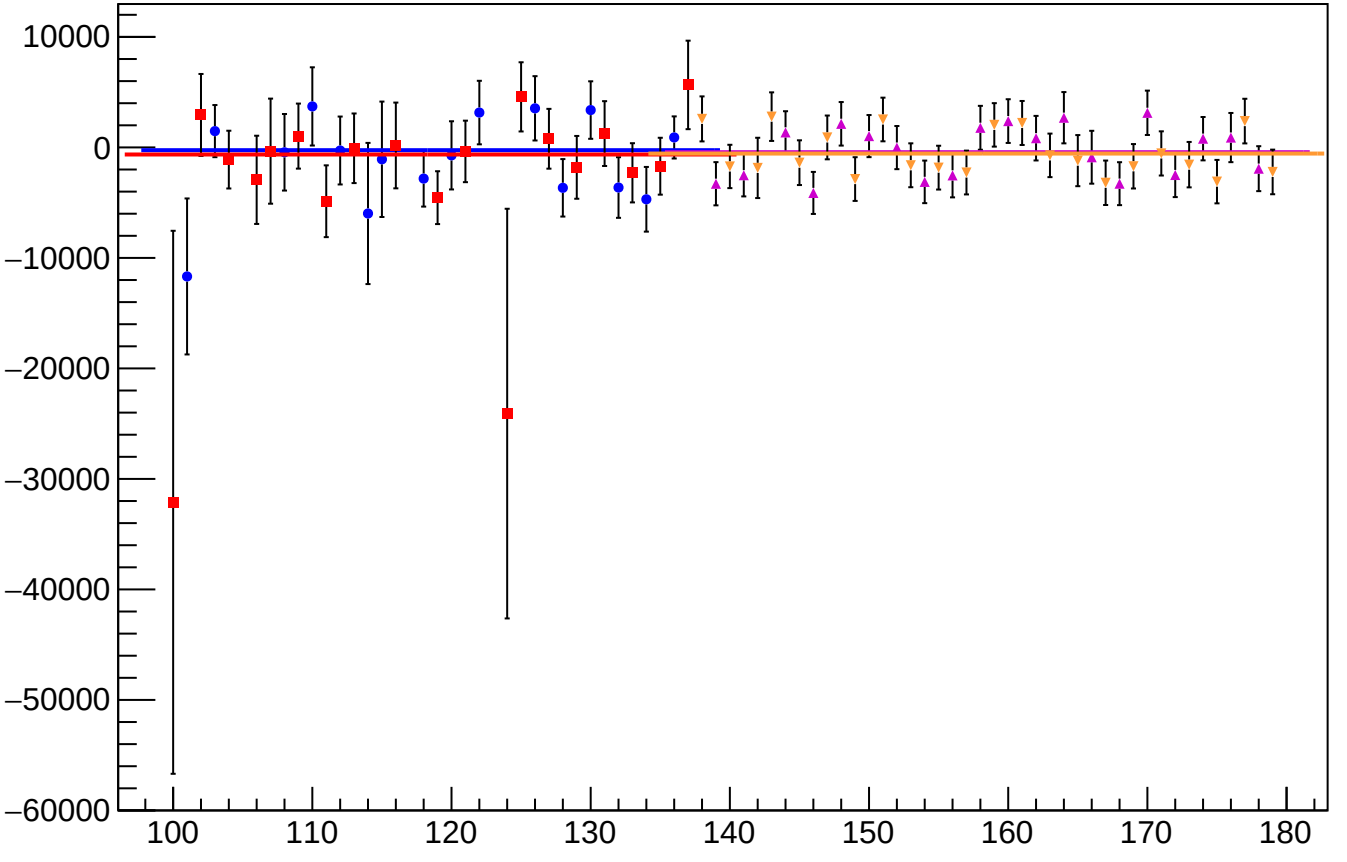
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 450.574+/-0.069 χ^2/NDF:3625314.1/35

Out: 447.286+/-0.067 χ^2/NDF:4425018.5/40

All: 448.891+/-0.048 χ^2/NDF: 8051506.7/76

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -556.503+/-434.276 χ^2/NDF:21.7/21

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -431.633+/-448.033 χ^2/NDF:26.5/19

Left: -496.015+/-311.830 χ^2/NDF: 48.3/41

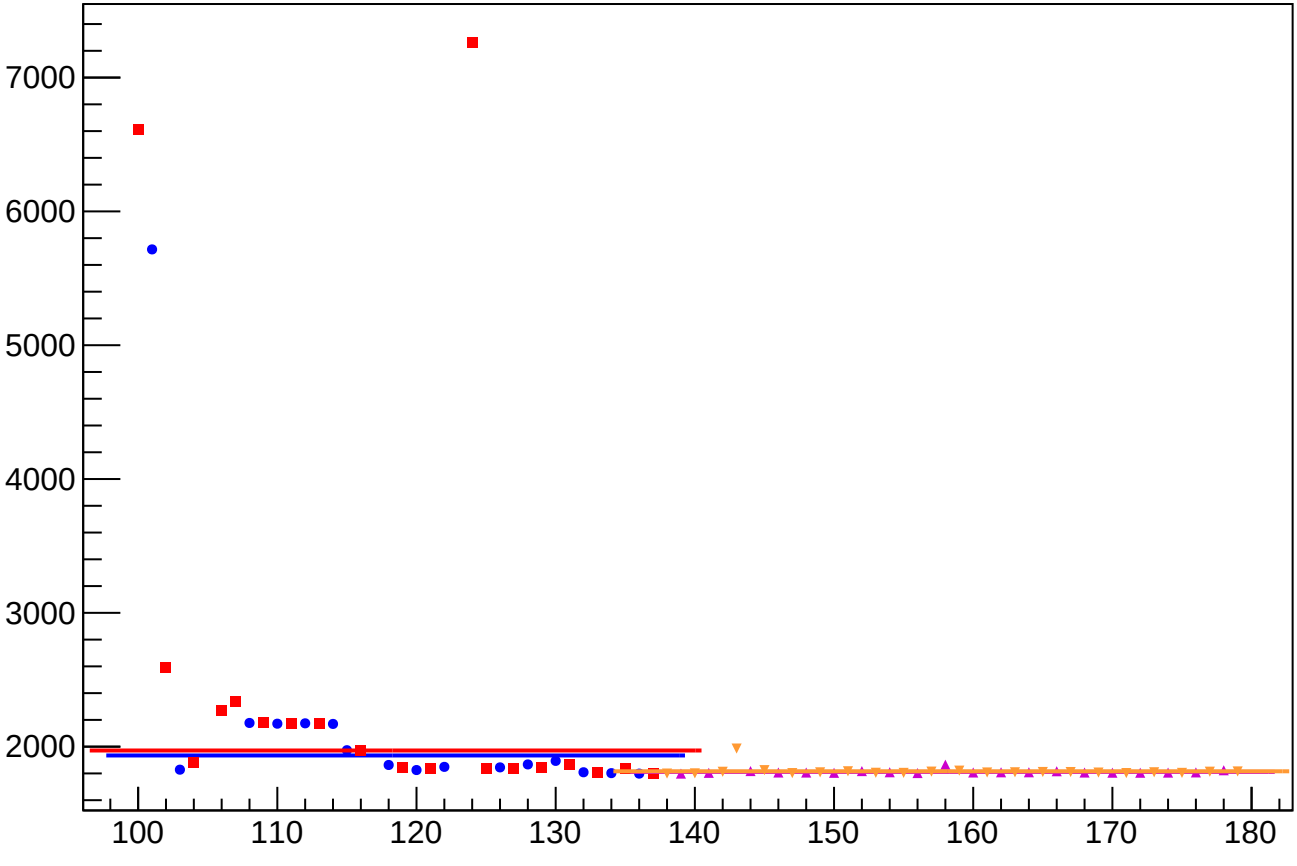
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -382.570+/-382.577 χ^2/NDF:43.8/35

Out: -578.265+/-374.092 χ^2/NDF:37.7/40

All: -482.611+/-267.472 χ^2/NDF: 81.6/76

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

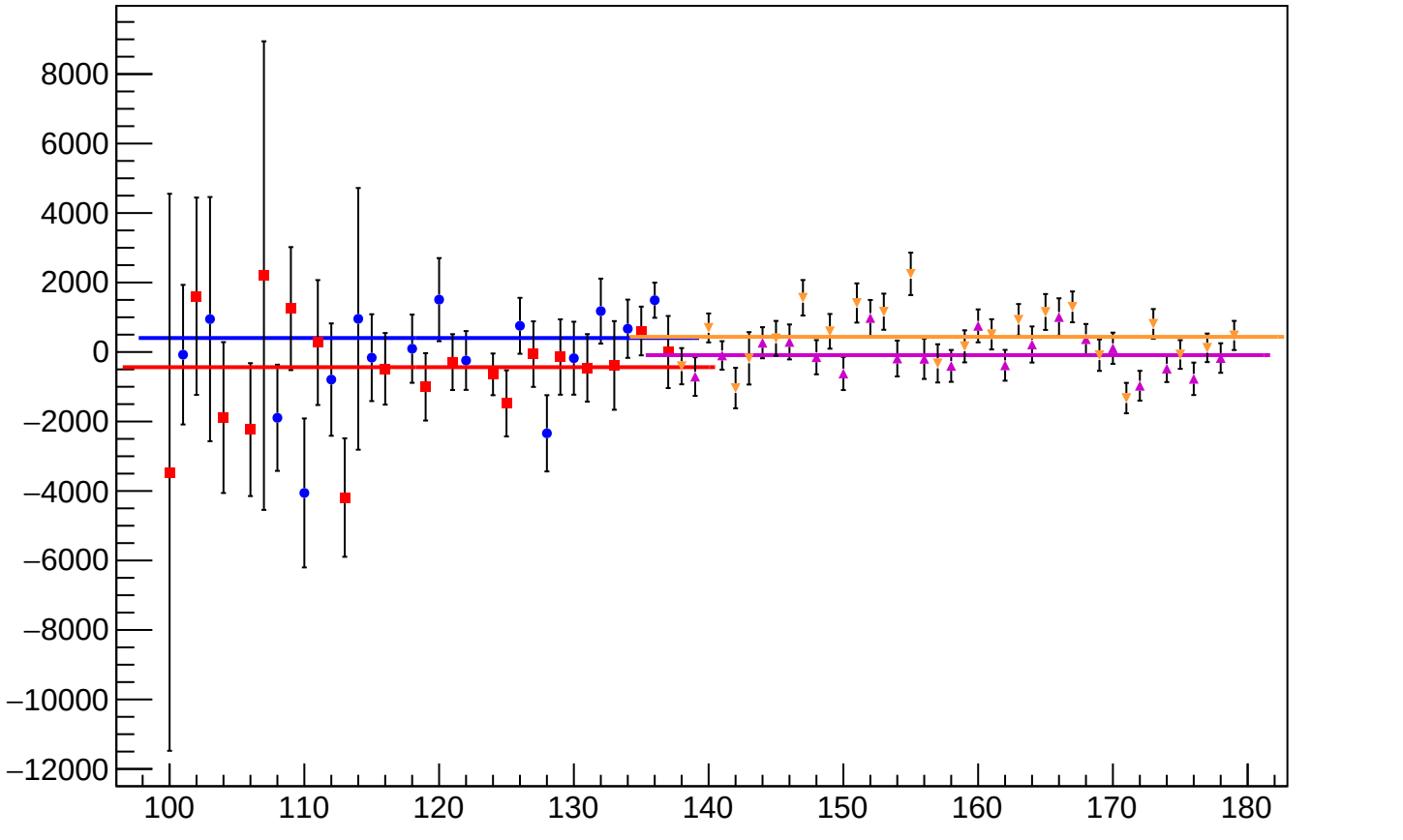
Left: 1813.726+/-0.220 χ^2/NDF: 14843.1/41

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1844.653+/-0.271 χ^2/NDF:682518.9/35

Out: 1856.022+/-0.265 χ^2/NDF:462119.9/40

All: 1850.465+/-0.189 χ^2/NDF: 1145541.7/76



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -89.165+/-104.771 χ^2/NDF:25.3/19

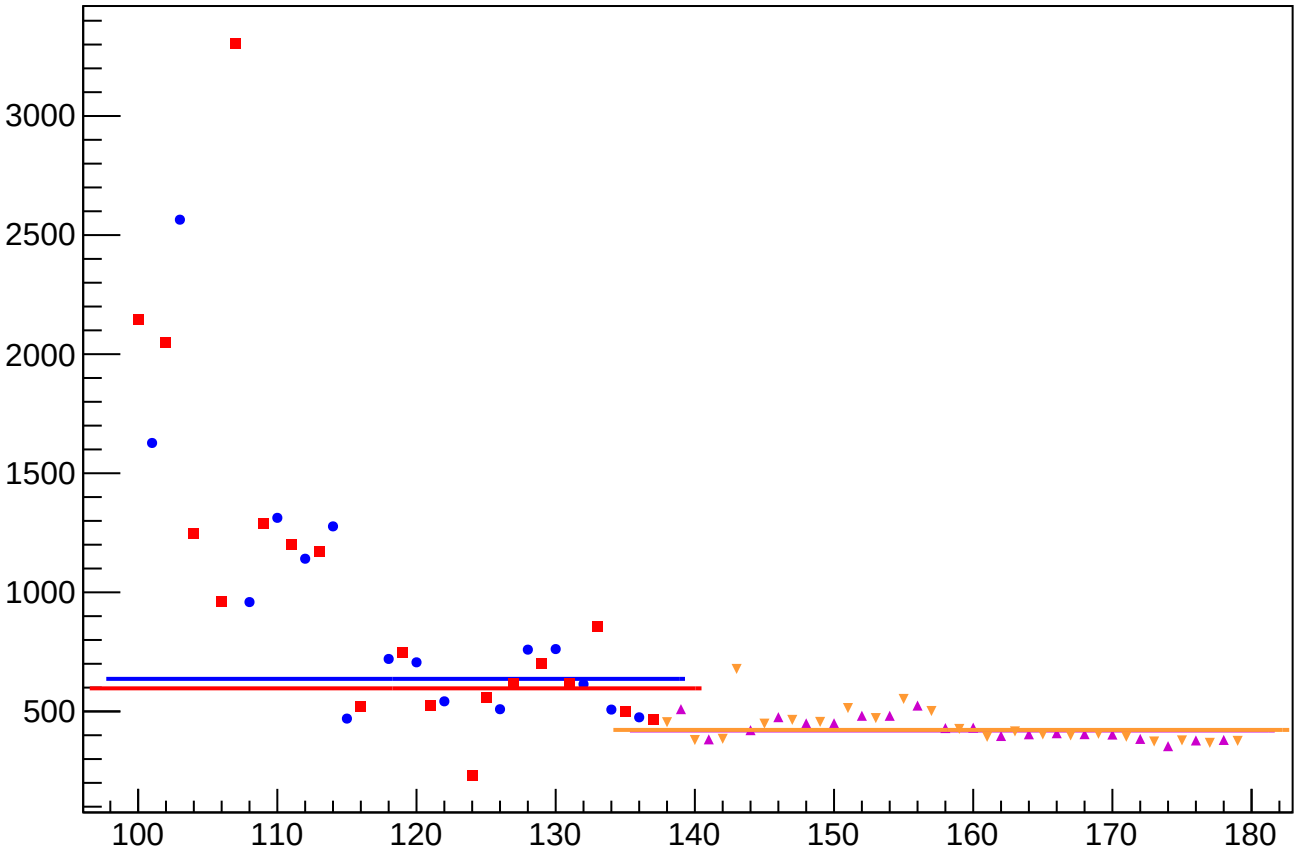
Left: 179.919+/-73.200 χ^2/NDF: 96.5/41

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -19.795+/-97.103 χ^2/NDF:49.5/35

Out: 313.516+/-94.833 χ^2/NDF:81.0/40

All: 150.802+/-67.845 χ^2/NDF: 136.5/76



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

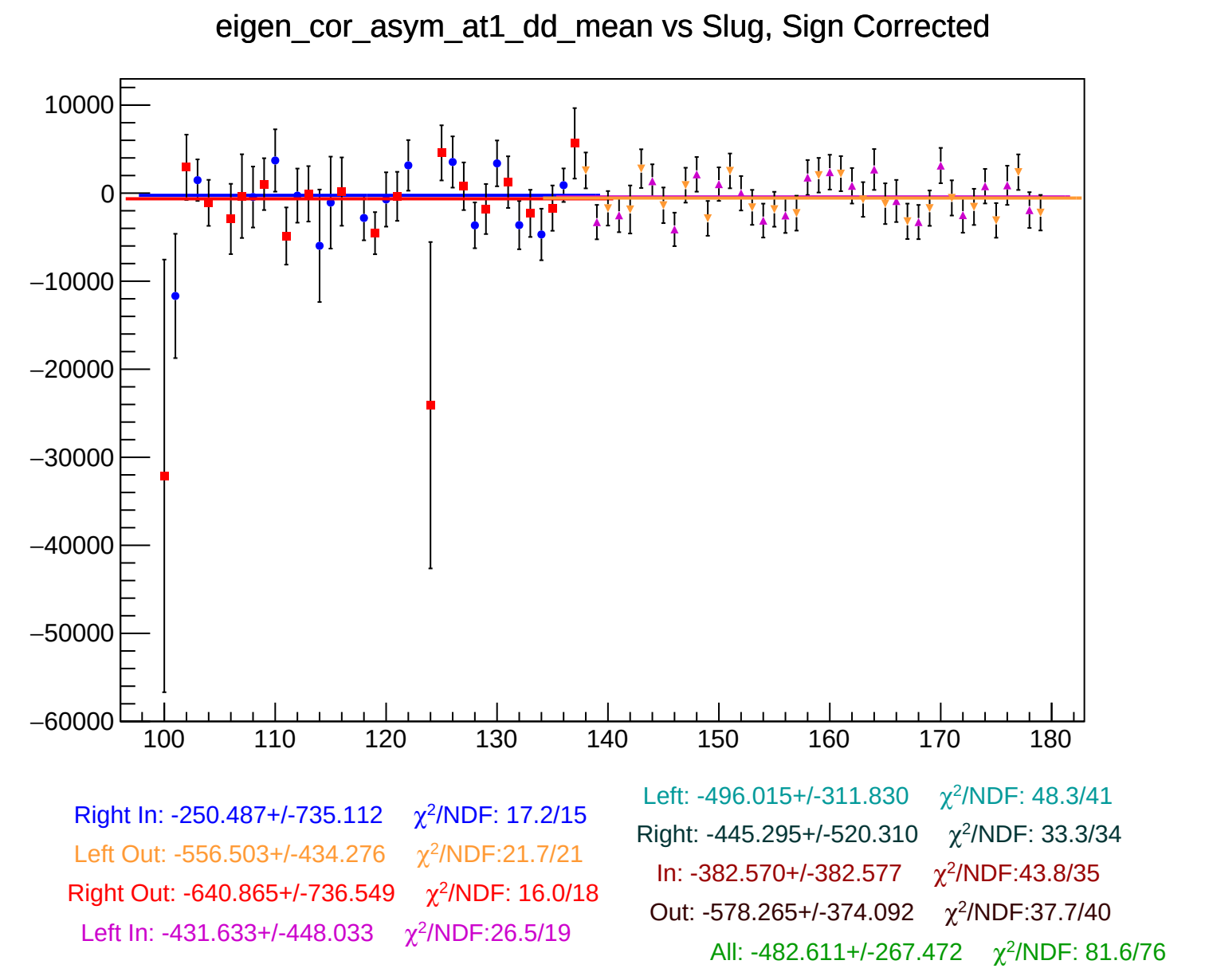
Left: 421.201+/-0.052 χ^2/NDF: 988335.7/41

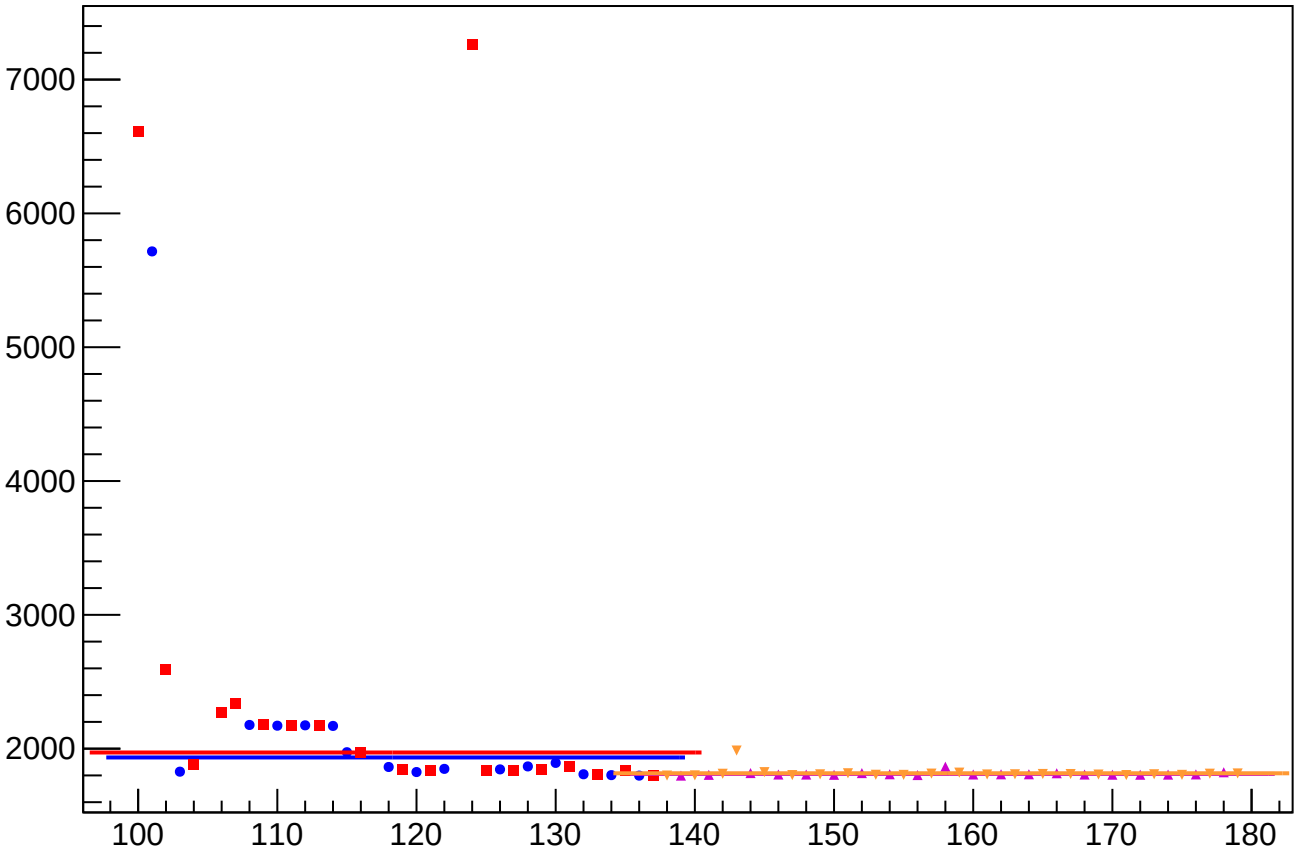
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 450.571+/-0.069 χ^2/NDF:3624613.5/35

Out: 446.921+/-0.067 χ^2/NDF:4385986.5/40

All: 448.703+/-0.048 χ^2/NDF: 8012046.6/76


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: -556.503+/-434.276 χ²/NDF:21.7/21
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -431.633+/-448.033 χ²/NDF:26.5/19
Left: -496.015+/-311.830 χ²/NDF: 48.3/41
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -382.570+/-382.577 χ²/NDF:43.8/35
Out: -578.265+/-374.092 χ²/NDF:37.7/40
All: -482.611+/-267.472 χ²/NDF: 81.6/76



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.927+/-0.307 χ^2/NDF:12854.8/21

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.383+/-0.317 χ^2/NDF:1882.2/19

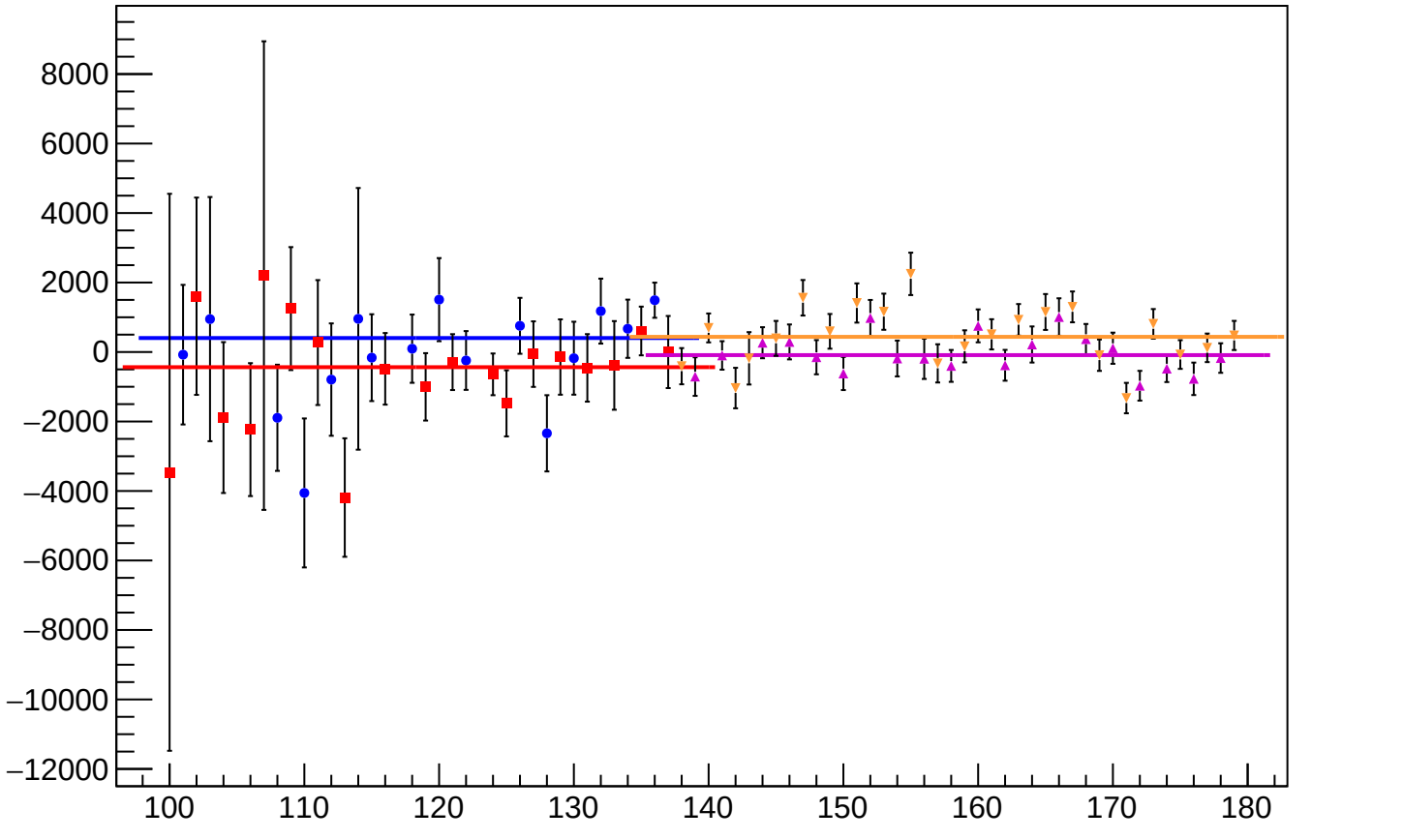
Left: 1813.726+/-0.220 χ^2/NDF: 14843.1/41

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1844.653+/-0.271 χ^2/NDF:682518.9/35

Out: 1856.022+/-0.265 χ^2/NDF:462119.9/40

All: 1850.465+/-0.189 χ^2/NDF: 1145541.7/76



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 436.520+/-102.312 χ^2/NDF:58.4/21

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -89.165+/-104.771 χ^2/NDF:25.3/19

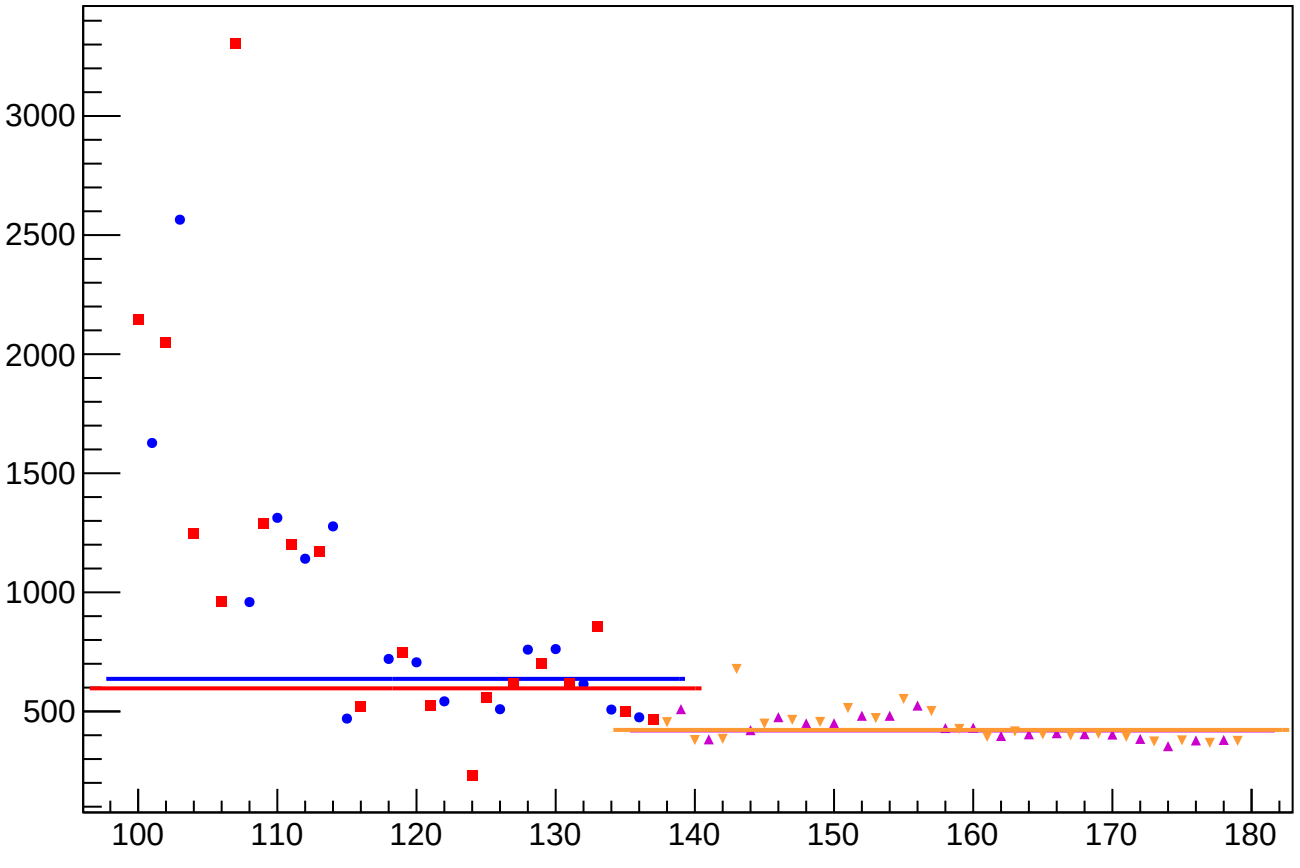
Left: 179.919+/-73.200 χ^2/NDF: 96.5/41

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -19.795+/-97.103 χ^2/NDF:49.5/35

Out: 313.516+/-94.833 χ^2/NDF:81.0/40

All: 150.802+/-67.845 χ^2/NDF: 136.5/76



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 422.336+/-0.072 χ^2/NDF:635769.9/21

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

Left: 421.201+/-0.052 χ^2/NDF: 988335.7/41

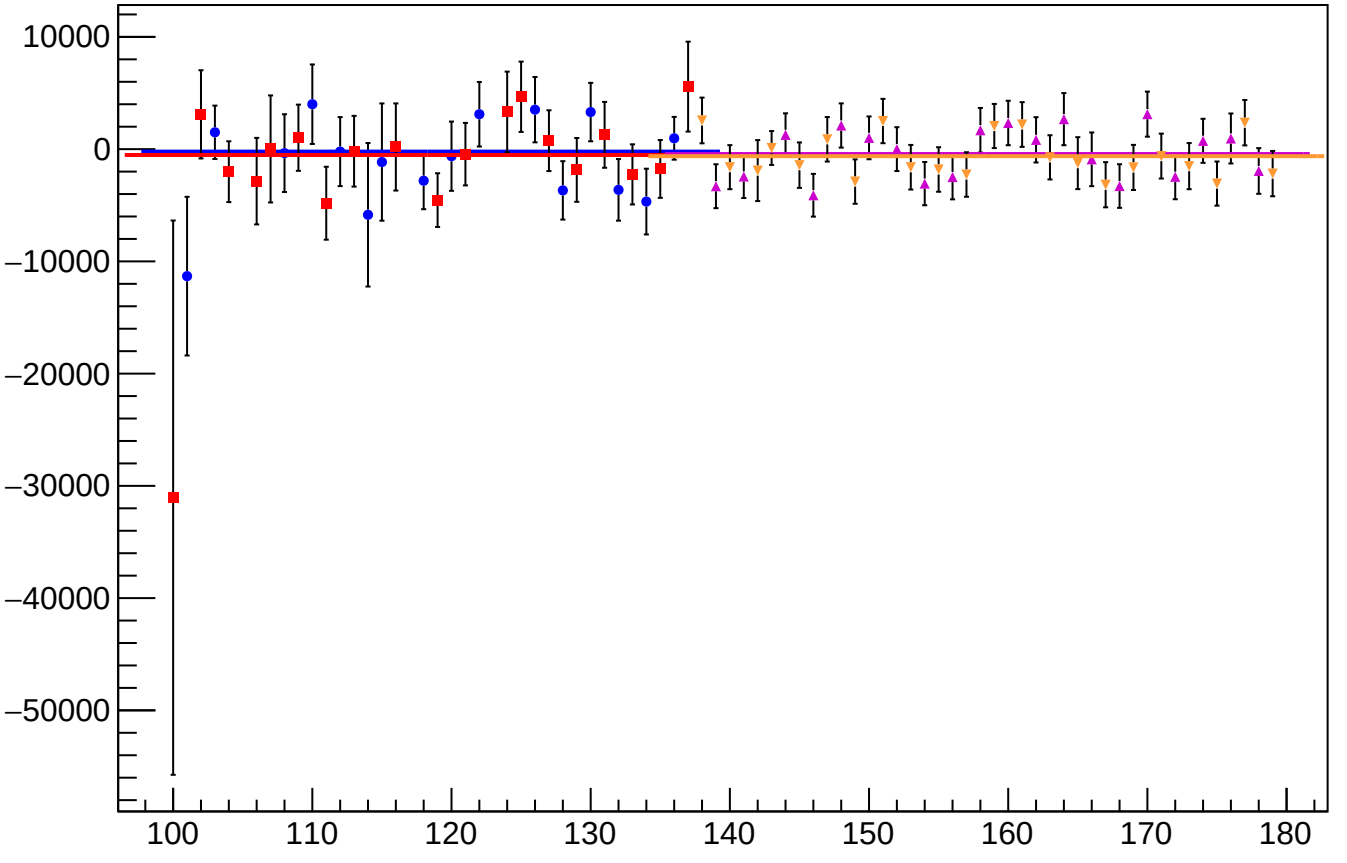
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 450.571+/-0.069 χ^2/NDF:3624613.5/35

Out: 446.921+/-0.067 χ^2/NDF:4385986.5/40

All: 448.703+/-0.048 χ^2/NDF: 8012046.6/76

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.625+/-425.175 χ^2/NDF:19.3/21

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -437.629+/-448.187 χ^2/NDF:25.9/19

Left: -537.103+/-308.459 χ^2/NDF: 45.3/41

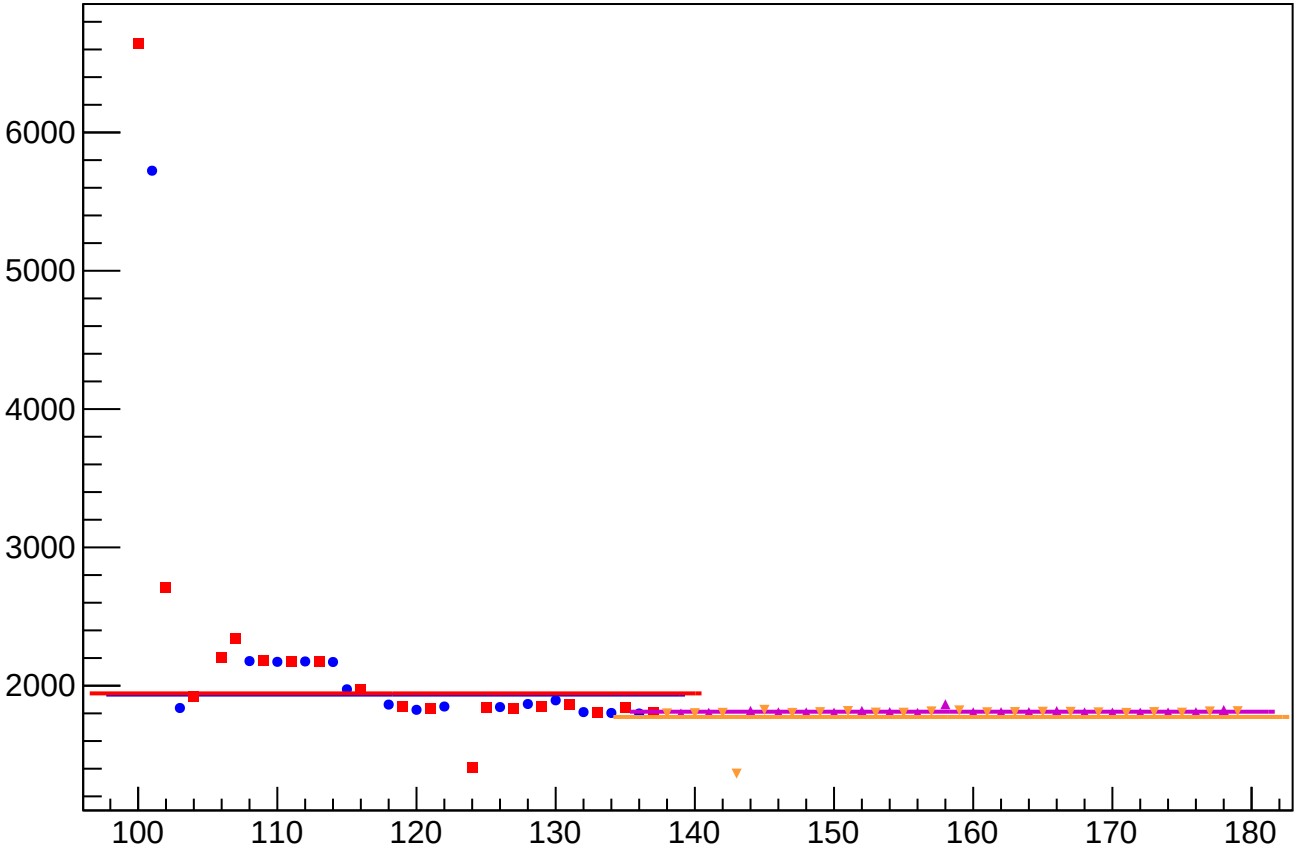
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -378.851+/-382.782 χ^2/NDF:43.1/35

Out: -599.405+/-366.756 χ^2/NDF:34.9/40

All: -493.842+/-264.820 χ^2/NDF: 78.1/76

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.005+/-0.317 χ^2/NDF:1879.8/19

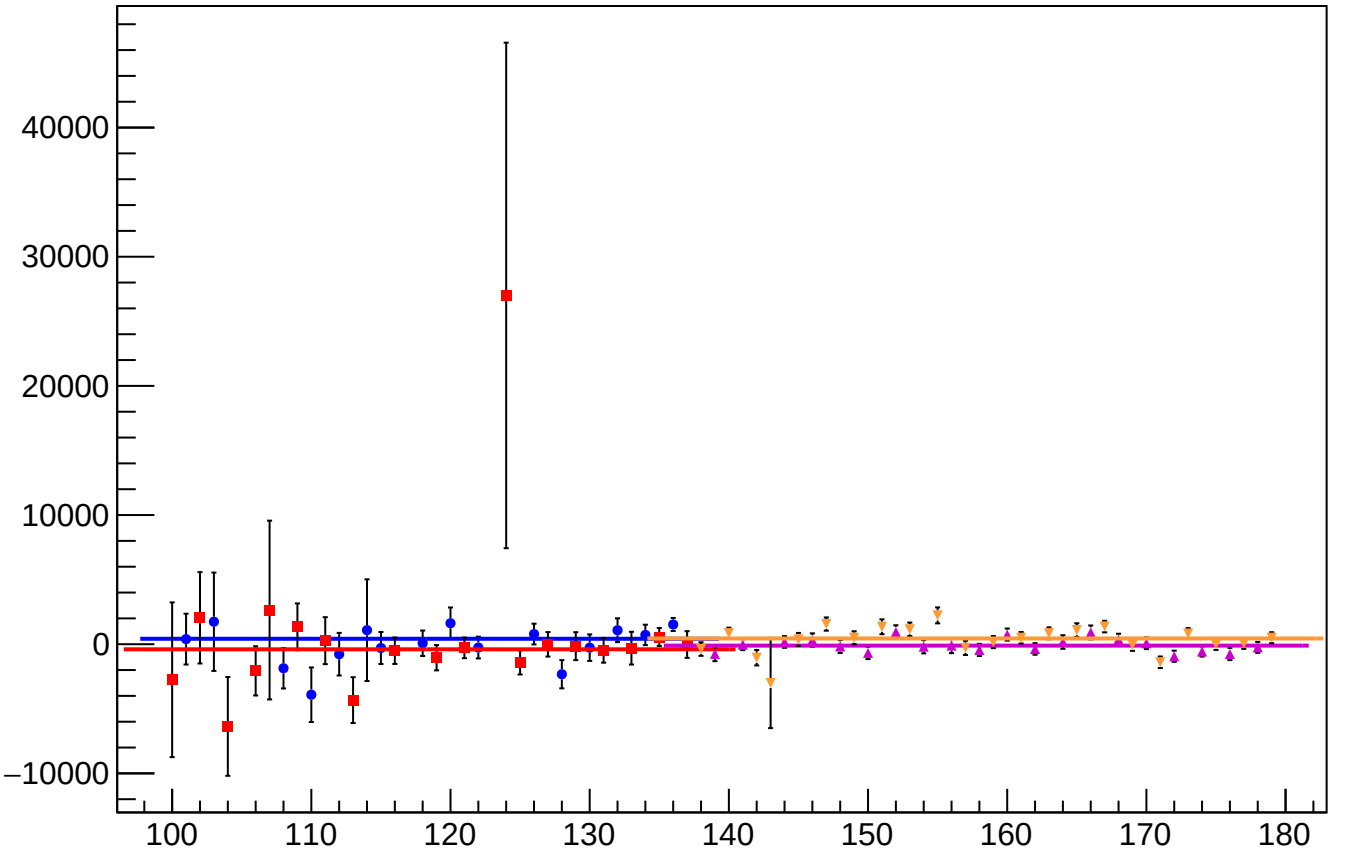
Left: 1792.048+/-0.218 χ^2/NDF: 169893.1/41

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1845.547+/-0.271 χ^2/NDF:683089.6/35

Out: 1817.699+/-0.259 χ^2/NDF:518921.7/40

All: 1831.028+/-0.187 χ^2/NDF: 1207530.5/76



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.778+/-104.593 χ^2/NDF:57.8/21

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -107.943+/-106.191 χ^2/NDF:24.0/19

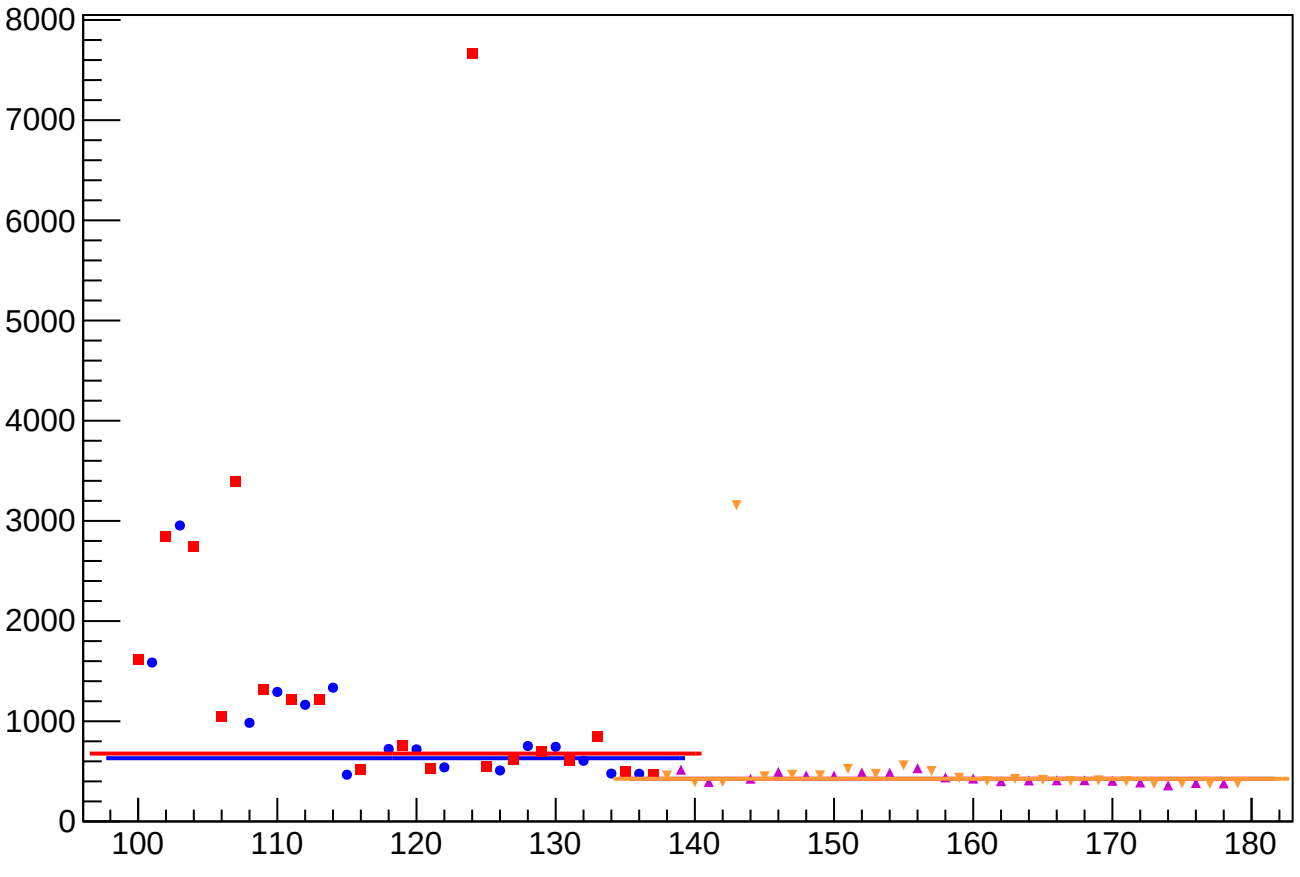
Left: 173.114+/-74.517 χ^2/NDF: 95.6/41

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -30.656+/-98.129 χ^2/NDF:49.1/35

Out: 342.714+/-97.962 χ^2/NDF:81.6/40

All: 156.347+/-69.328 χ^2/NDF: 138.0/76



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 426.115+/-0.074 χ^2/NDF:1604446.8/21

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 426.117+/-0.075 χ^2/NDF:358498.2/19

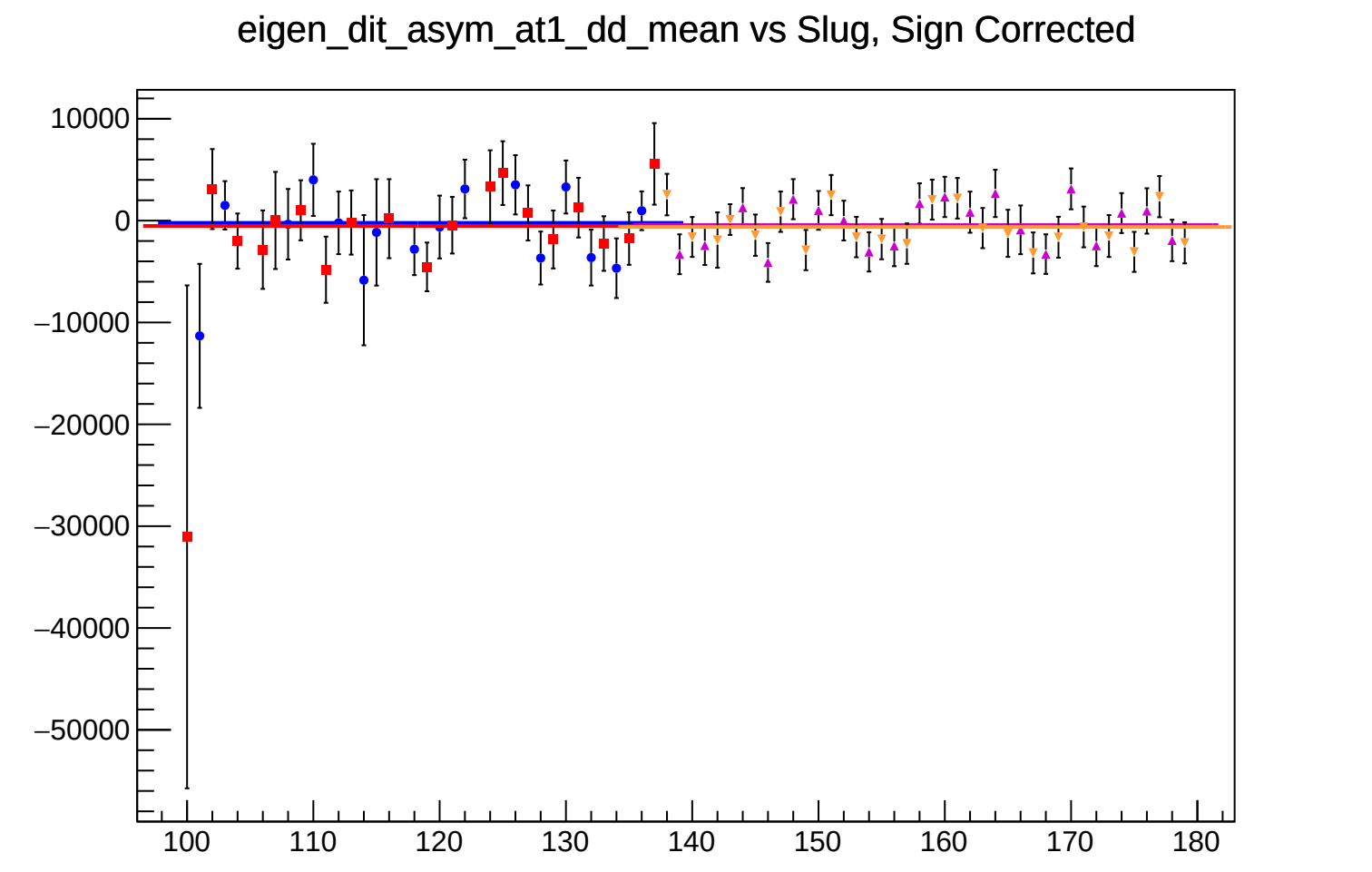
Left: 426.116+/-0.053 χ^2/NDF: 1962945.0/41

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 456.066+/-0.069 χ^2/NDF:3681994.4/35

Out: 456.975+/-0.069 χ^2/NDF:6103894.2/40

All: 456.521+/-0.049 χ^2/NDF: 9785974.6/76



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -626.626+/-425.175 χ^2/NDF:19.3/21

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -437.628+/-448.187 χ^2/NDF:25.9/19

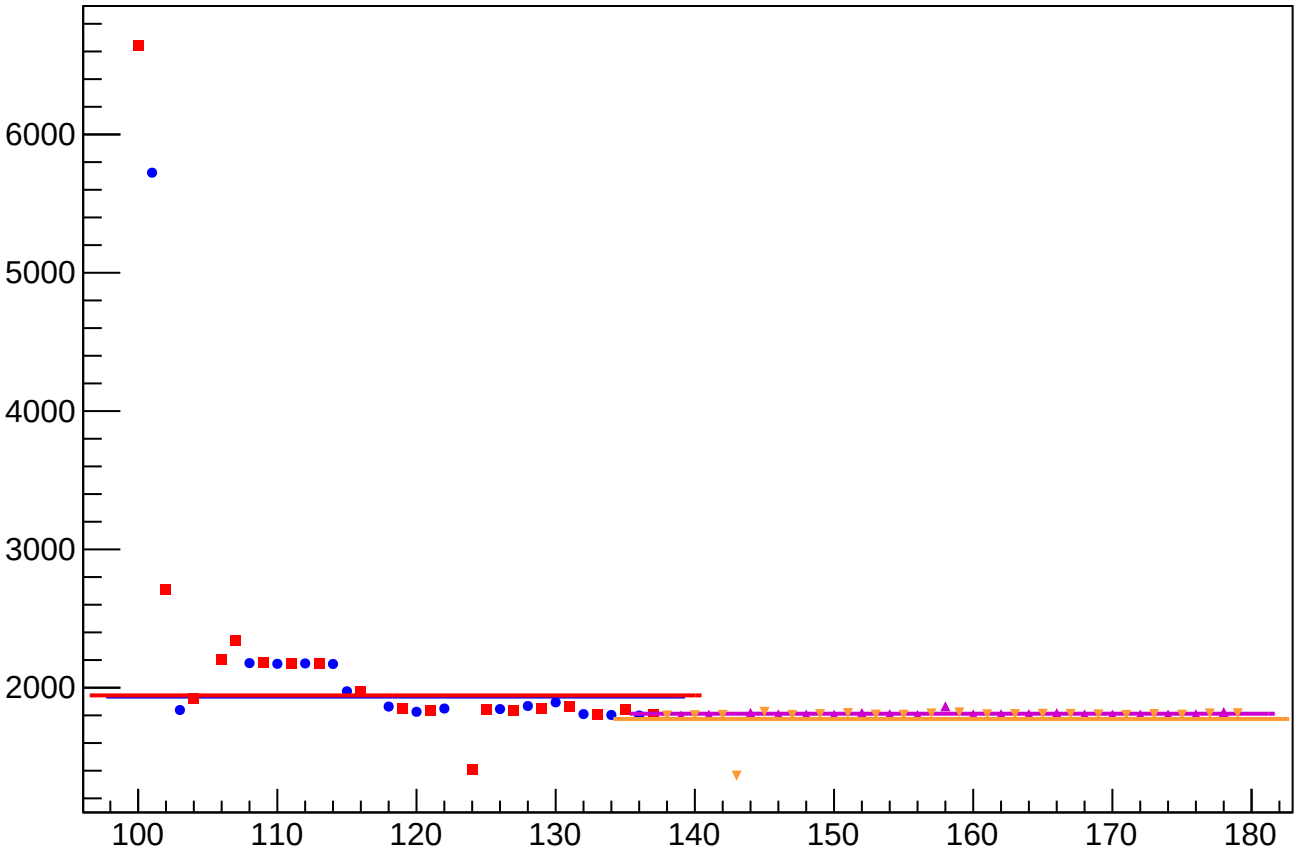
Left: -537.103+/-308.459 χ^2/NDF: 45.3/41

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -378.851+/-382.782 χ^2/NDF:43.1/35

Out: -599.406+/-366.756 χ^2/NDF:34.9/40

All: -493.842+/-264.820 χ^2/NDF: 78.1/76



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1774.088+/-0.301 χ^2/NDF:160479.3/21

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.005+/-0.317 χ^2/NDF:1879.8/19

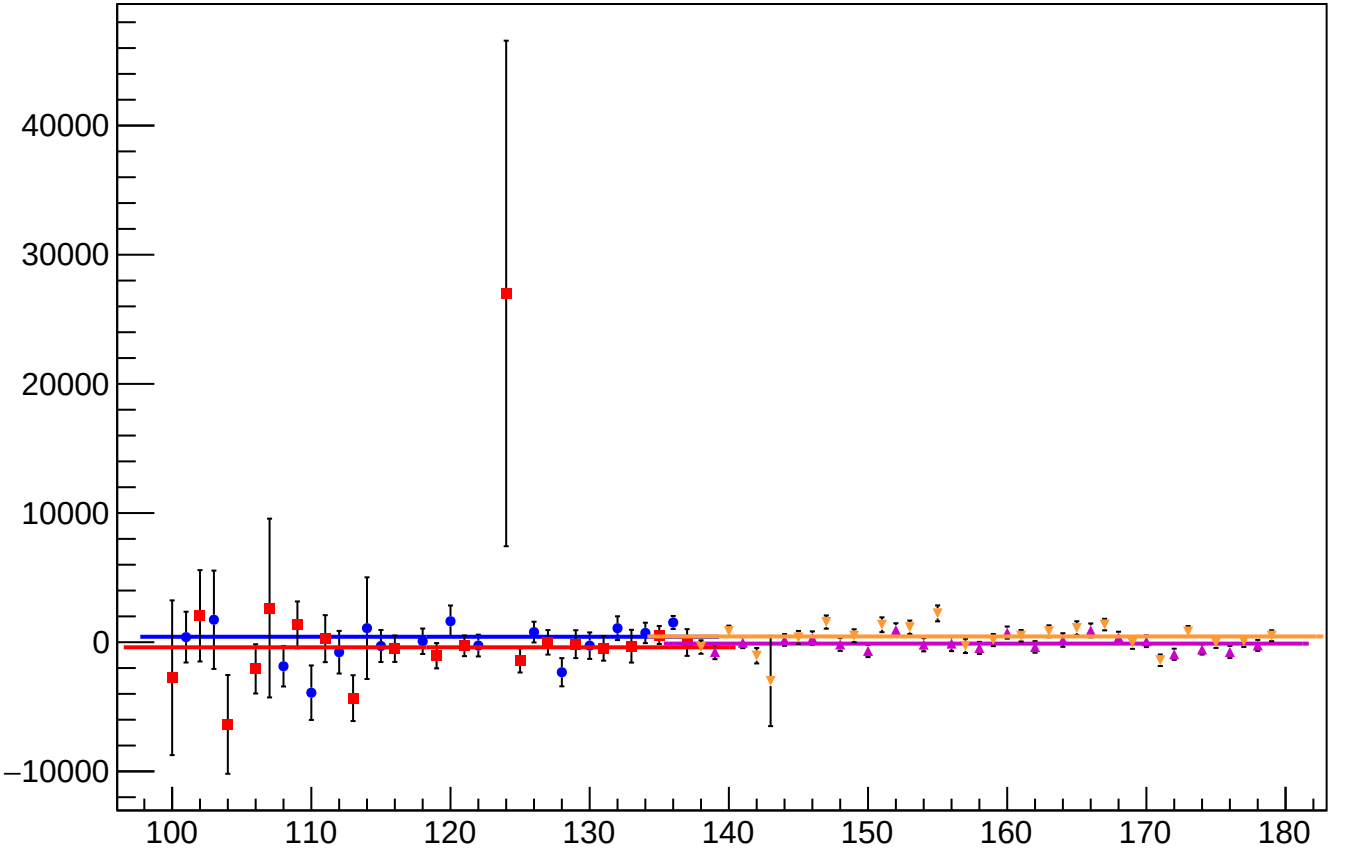
Left: 1792.048+/-0.218 χ^2/NDF: 169893.0/41

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1845.547+/-0.271 χ^2/NDF:683089.6/35

Out: 1817.699+/-0.259 χ^2/NDF:518921.5/40

All: 1831.028+/-0.187 χ^2/NDF: 1207530.3/76



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 445.777+/-104.593 χ^2/NDF:57.8/21

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -107.942+/-106.191 χ^2/NDF:24.0/19

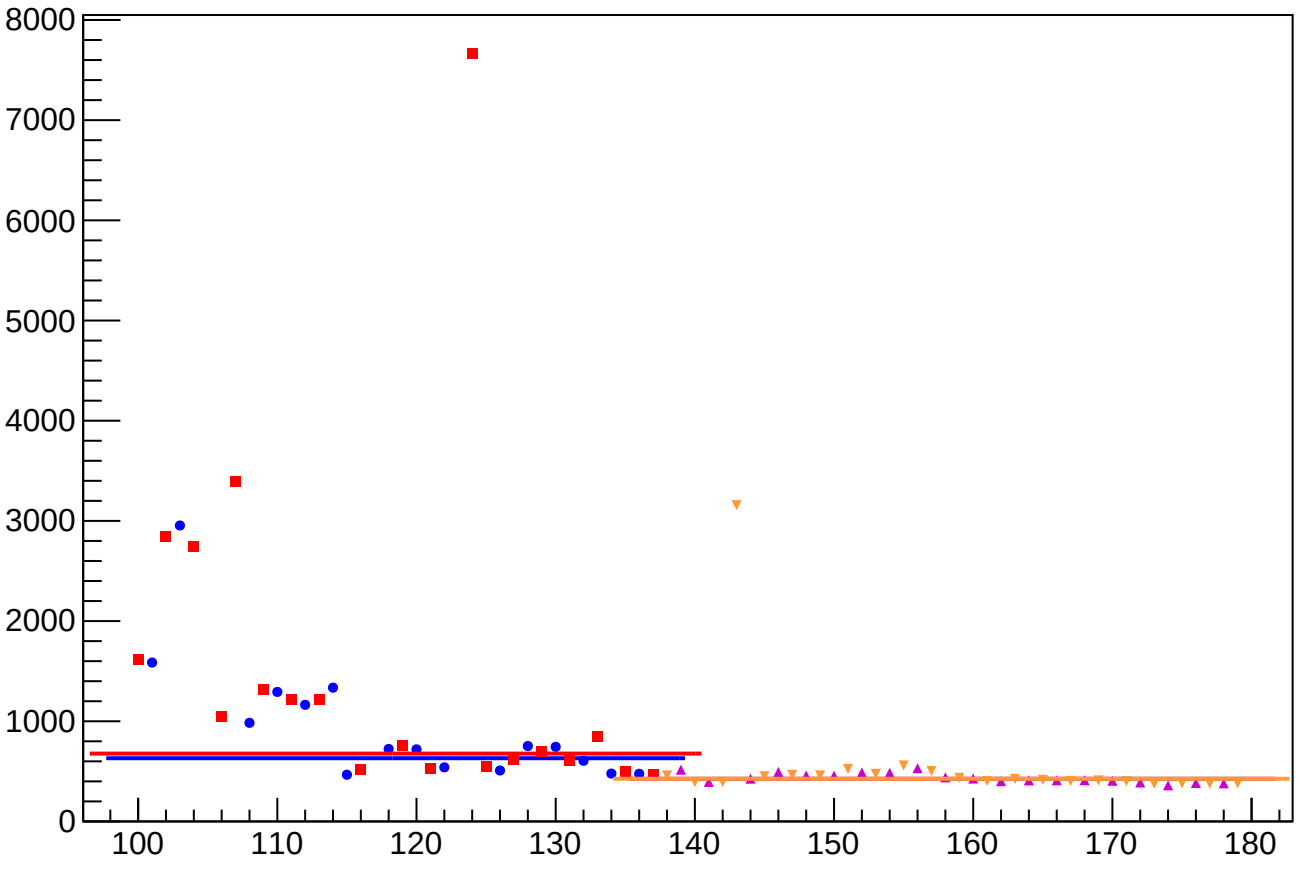
Left: 173.115+/-74.517 χ^2/NDF: 95.6/41

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -30.655+/-98.129 χ^2/NDF:49.1/35

Out: 342.713+/-97.962 χ^2/NDF:81.6/40

All: 156.348+/-69.328 χ^2/NDF: 138.0/76



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 426.115+/-0.074 χ^2/NDF:1604448.2/21

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 426.117+/-0.075 χ^2/NDF:358501.3/19

Left: 426.116+/-0.053 χ^2/NDF: 1962949.4/41

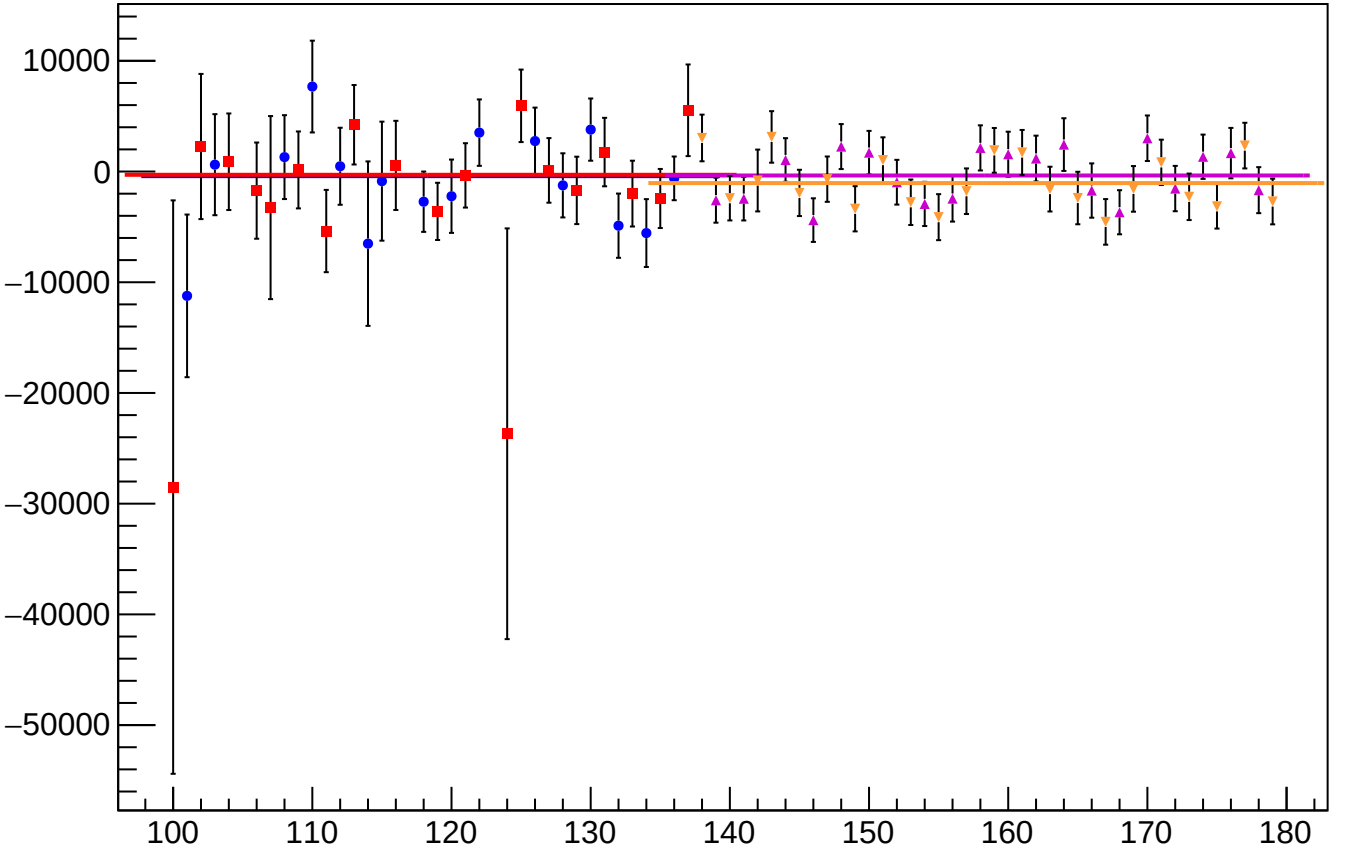
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 456.066+/-0.069 χ^2/NDF:3681997.0/35

Out: 456.974+/-0.069 χ^2/NDF:6103897.6/40

All: 456.521+/-0.049 χ^2/NDF: 9785980.5/76

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1041.504+/-447.383 χ^2/NDF:25.9/21

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -356.975+/-460.946 χ^2/NDF:24.9/19

Left: -709.459+/-321.035 χ^2/NDF: 51.9/41

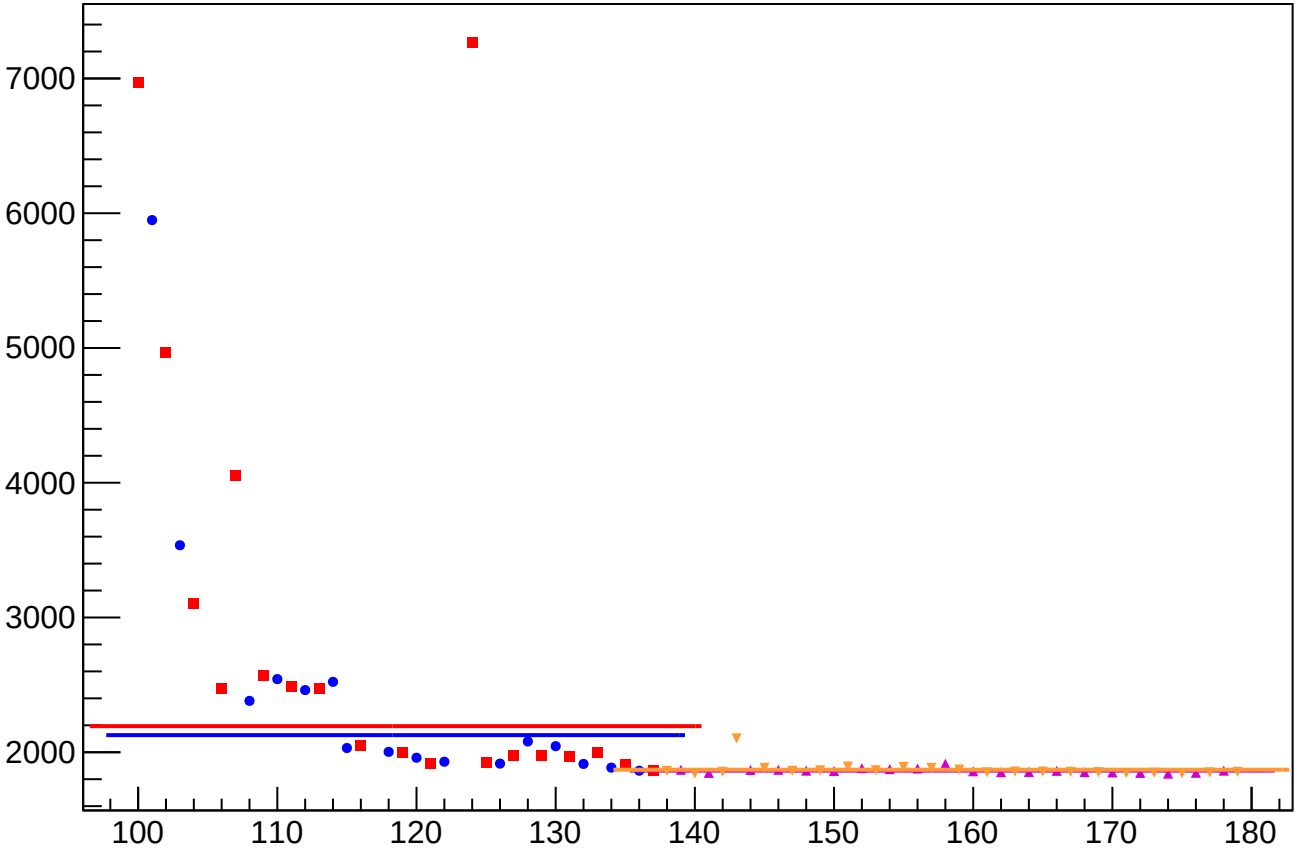
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -371.673+/-401.264 χ^2/NDF:43.2/35

Out: -873.842+/-393.988 χ^2/NDF:42.2/40

All: -627.352+/-281.129 χ^2/NDF: 86.2/76

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1870.449+/-0.316 χ^2/NDF:22869.6/21

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.556+/-0.326 χ^2/NDF:2539.6/19

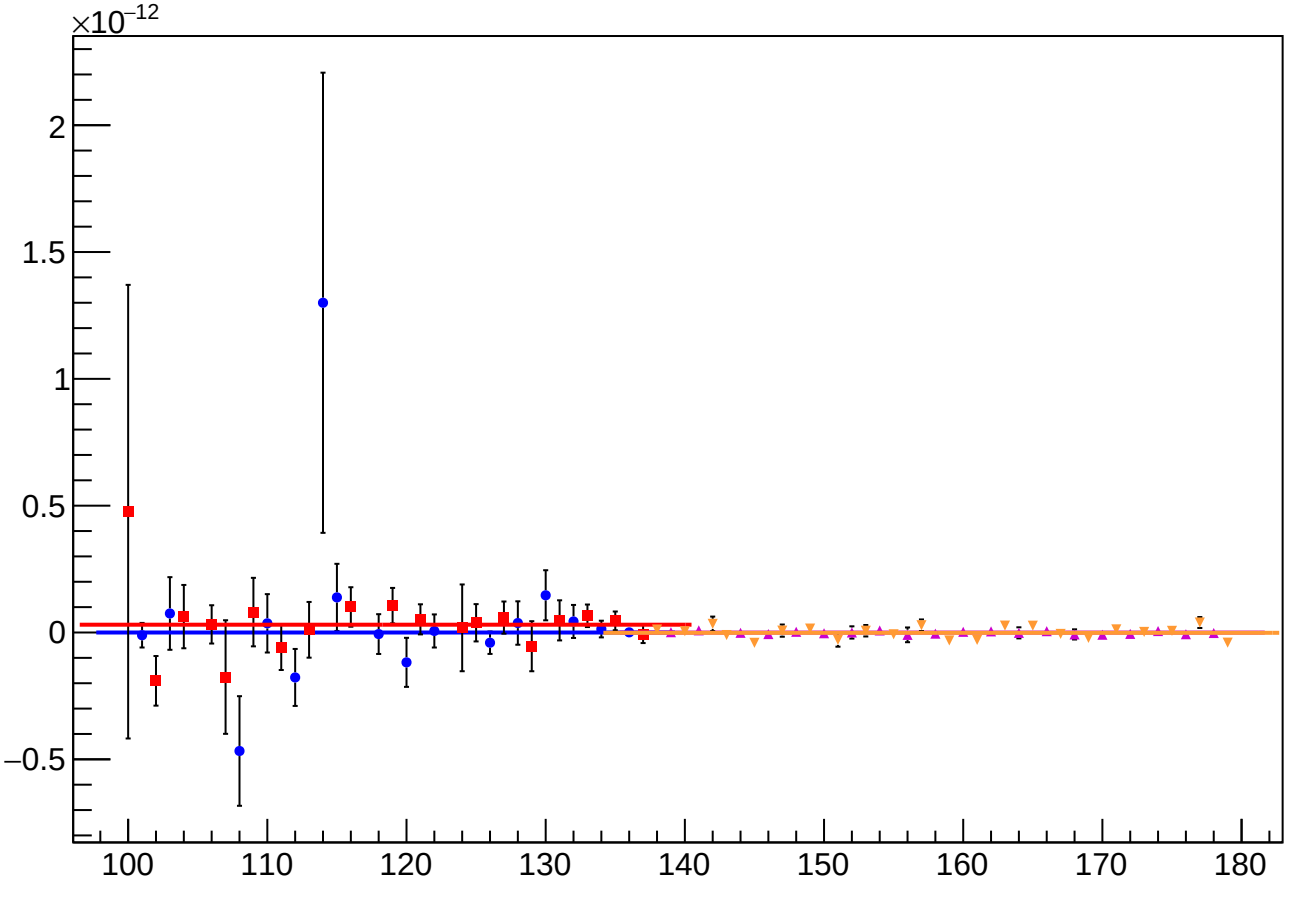
Left: 1867.105+/-0.227 χ^2/NDF: 25639.5/41

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1927.369+/-0.284 χ^2/NDF:1035887.1/35

Out: 1942.973+/-0.279 χ^2/NDF:1199605.8/40

All: 1935.313+/-0.199 χ^2/NDF: 2237032.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/19

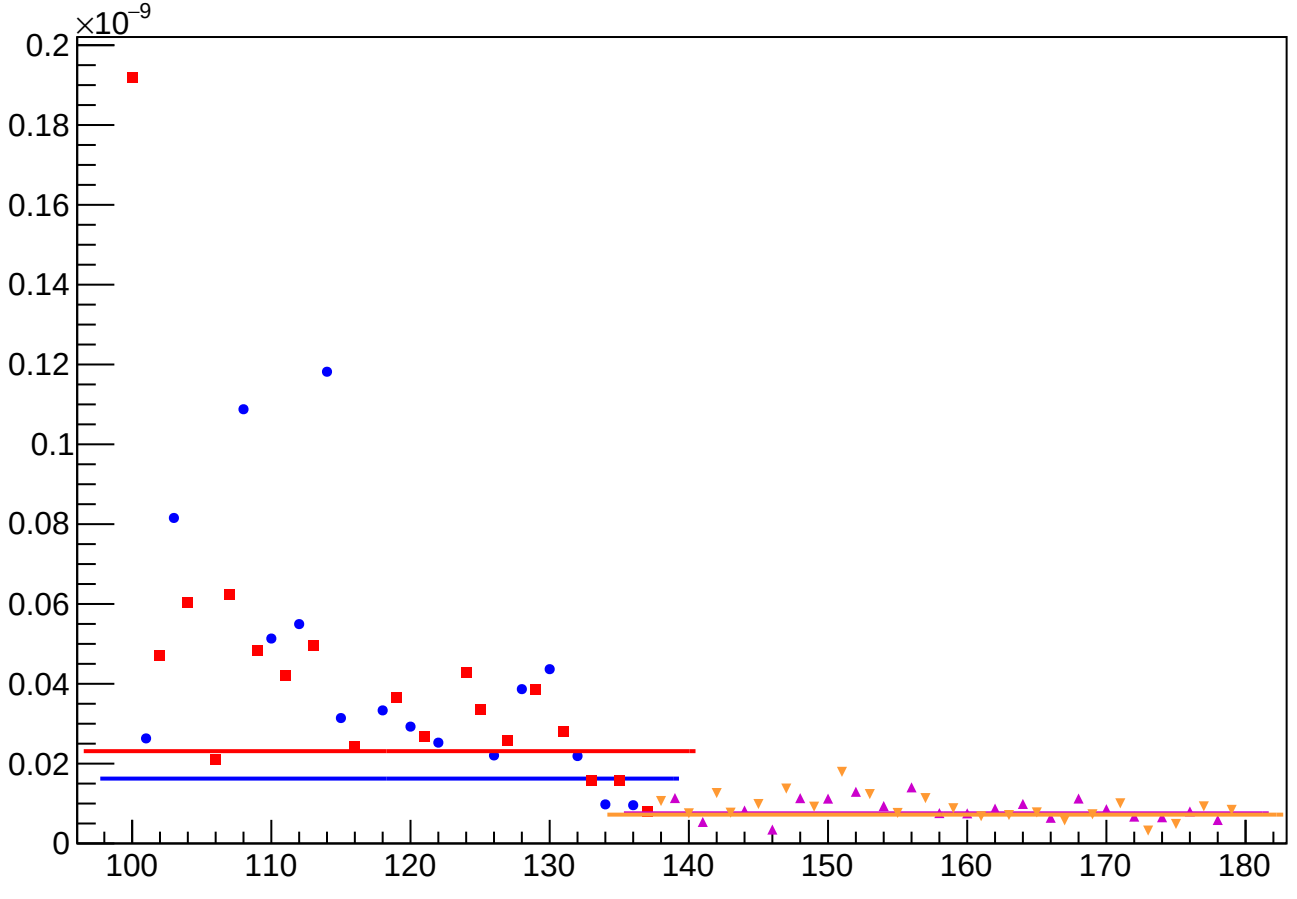
Left: -0.000+/-0.000 χ^2/NDF: 41.6/41

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.7/35

Out: 0.000+/-0.000 χ^2/NDF:55.4/40

All: -0.000+/-0.000 χ^2/NDF: 74.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1598152.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1046643.9/19

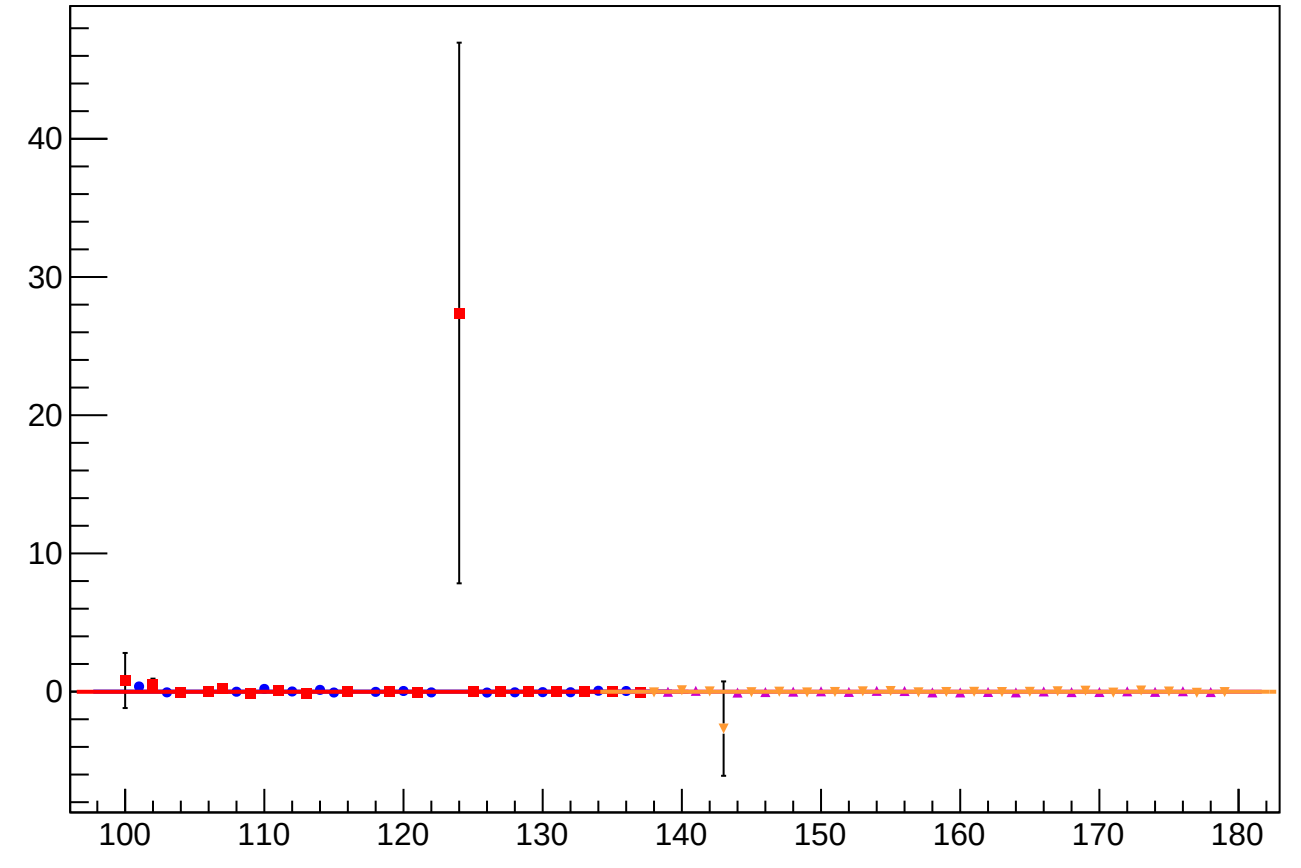
Left: 0.000+/-0.000 χ^2/NDF: 2655043.7/41

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4327308.9/35

Out: 0.000+/-0.000 χ^2/NDF:4978096.6/40

All: 0.000+/-0.000 χ^2/NDF: 9319866.2/76



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.8/19

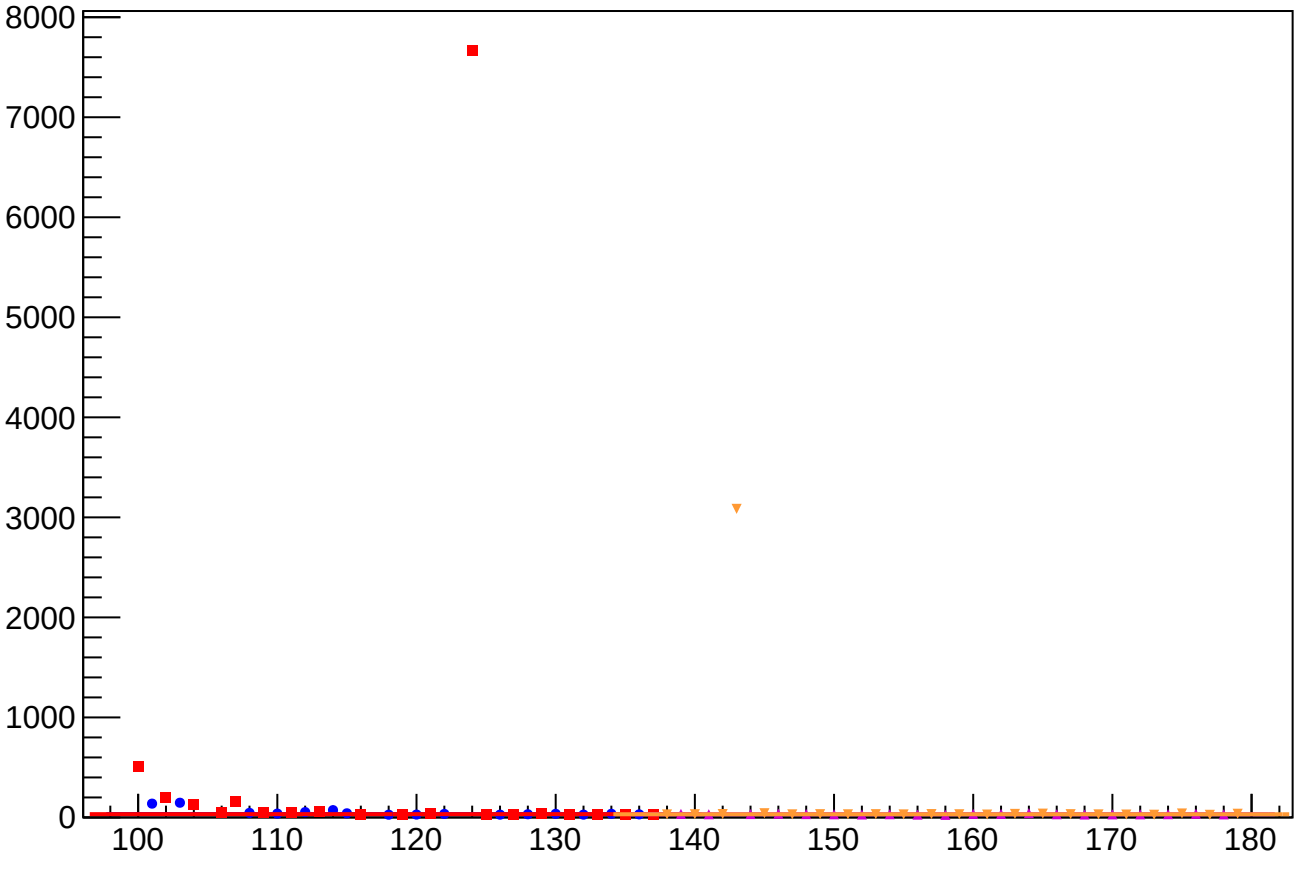
Left: -0.008+/-0.006 χ^2/NDF: 54.4/41

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.007+/-0.005 χ^2/NDF: 90.1/76



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940551.4/21

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.337+/-0.006 χ^2/NDF:285071.3/19

Left: 32.155+/-0.004 χ^2/NDF: 2227314.2/41

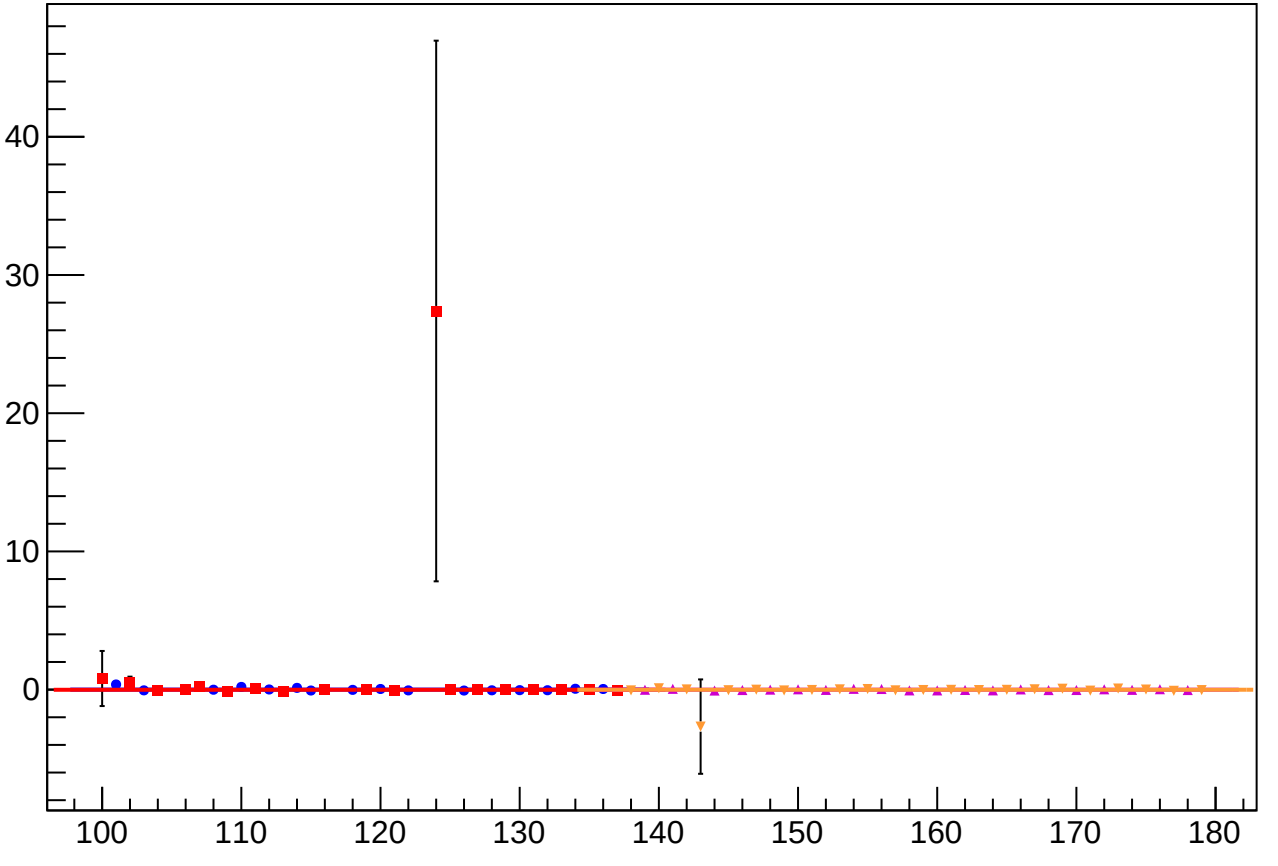
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.784+/-0.005 χ^2/NDF:2022407.1/35

Out: 32.256+/-0.005 χ^2/NDF:4023946.1/40

All: 32.517+/-0.004 χ^2/NDF: 6051343.5/76

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.8/19

Left: -0.008+/-0.006 χ^2/NDF: 54.4/41

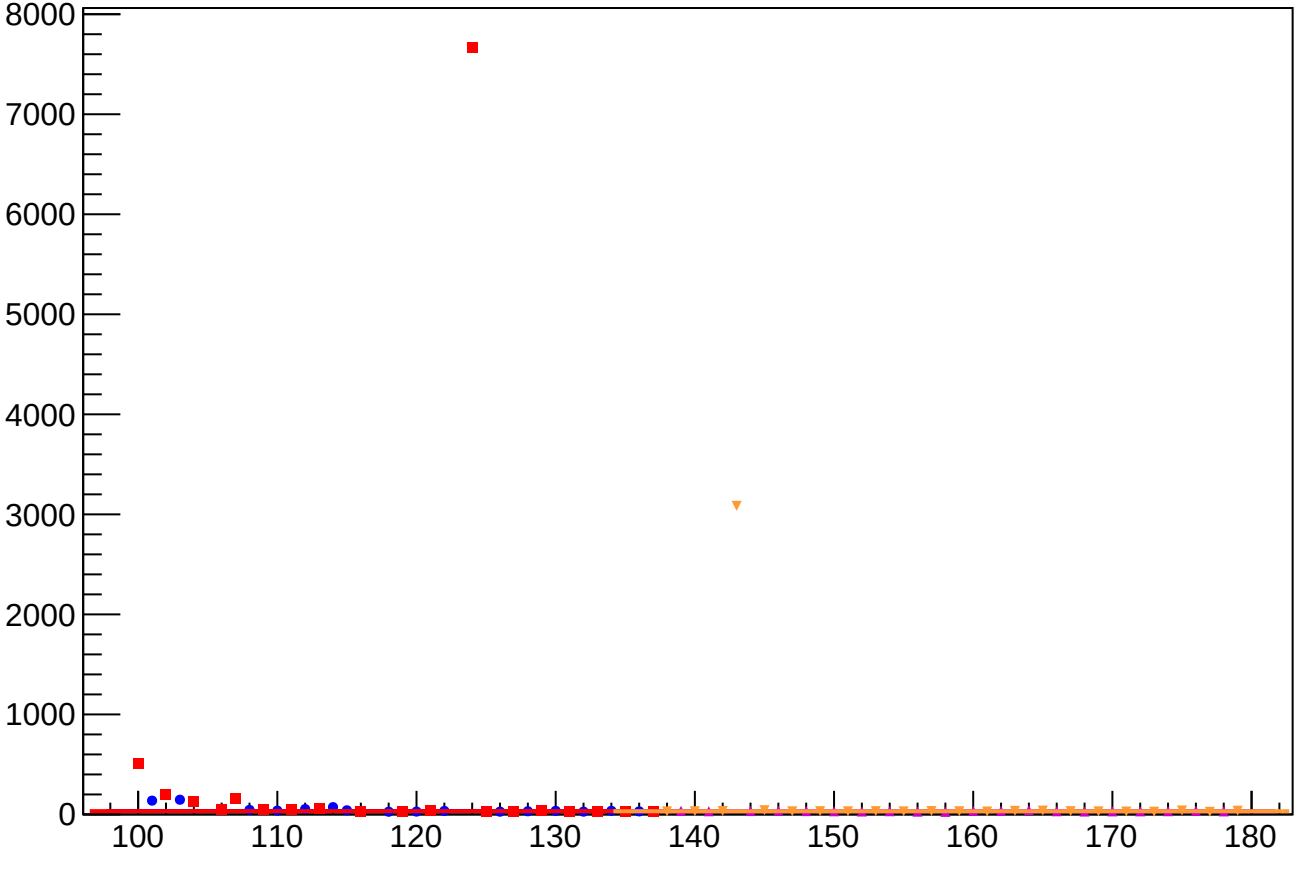
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.007+/-0.005 χ^2/NDF: 90.1/76

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940551.4/21

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.337+/-0.006 χ^2/NDF:285071.3/19

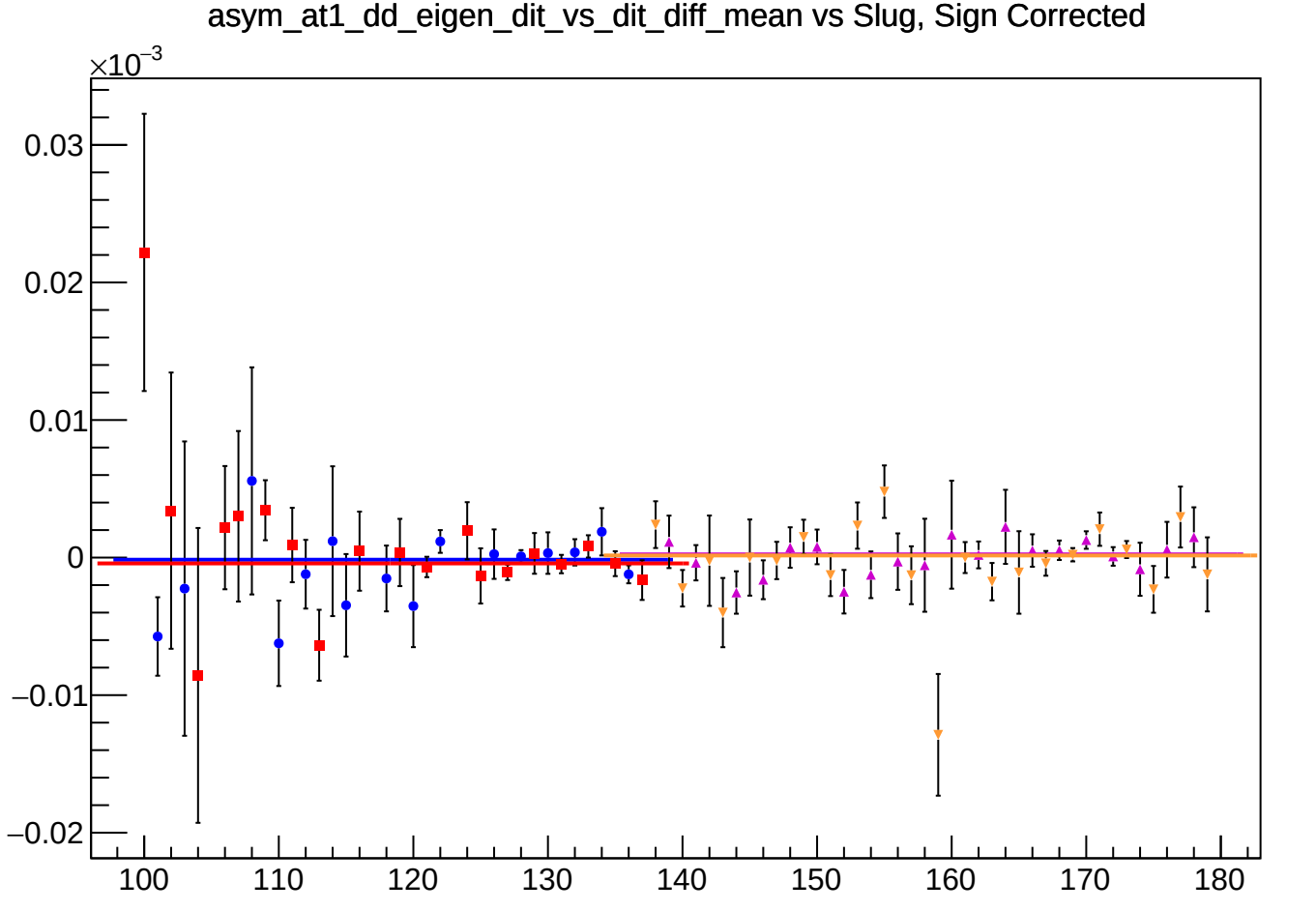
Left: 32.155+/-0.004 χ^2/NDF: 2227314.2/41

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.784+/-0.005 χ^2/NDF:2022407.1/35

Out: 32.256+/-0.005 χ^2/NDF:4023946.1/40

All: 32.517+/-0.004 χ^2/NDF: 6051343.5/76



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/19

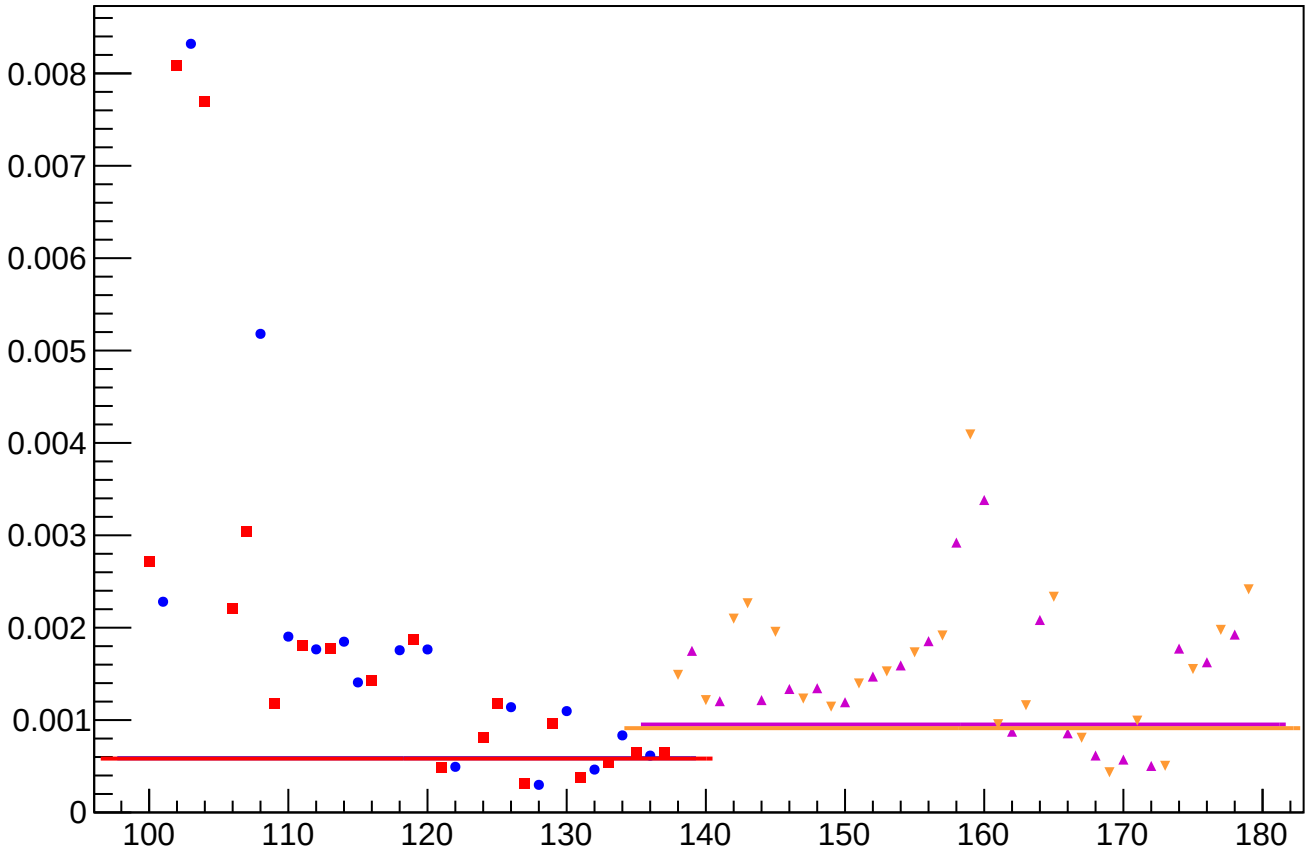
Left: 0.000+/-0.000 χ^2/NDF: 49.9/41

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.9/35

Out: -0.000+/-0.000 χ^2/NDF:59.8/40

All: -0.000+/-0.000 χ^2/NDF: 93.1/76



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8690752.0/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6583560.9/19

Left: 0.001+/-0.000 χ^2/NDF: 15295915.1/41

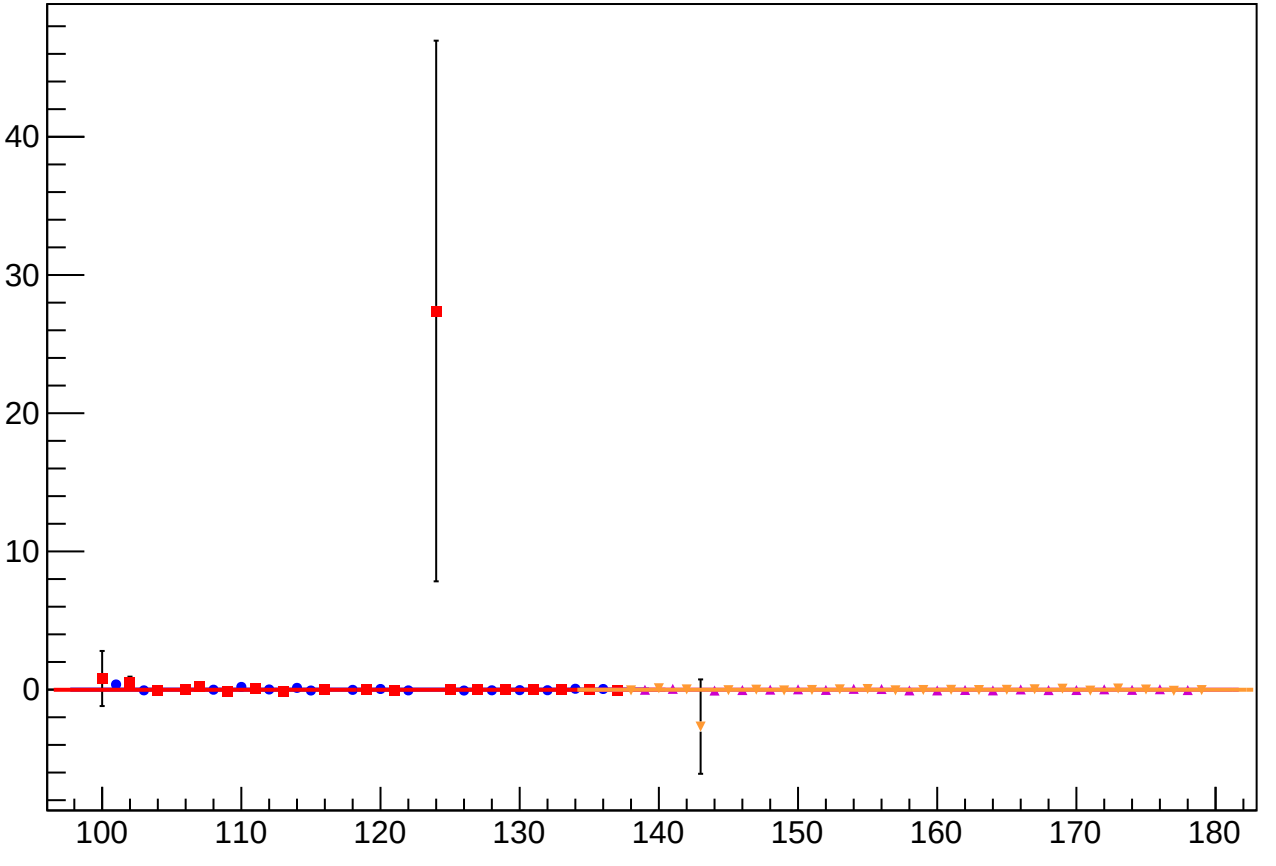
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:13720443.3/35

Out: 0.001+/-0.000 χ^2/NDF:15576144.4/40

All: 0.001+/-0.000 χ^2/NDF: 29306314.5/76

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.8/19

Left: -0.008+/-0.006 χ^2/NDF: 54.4/41

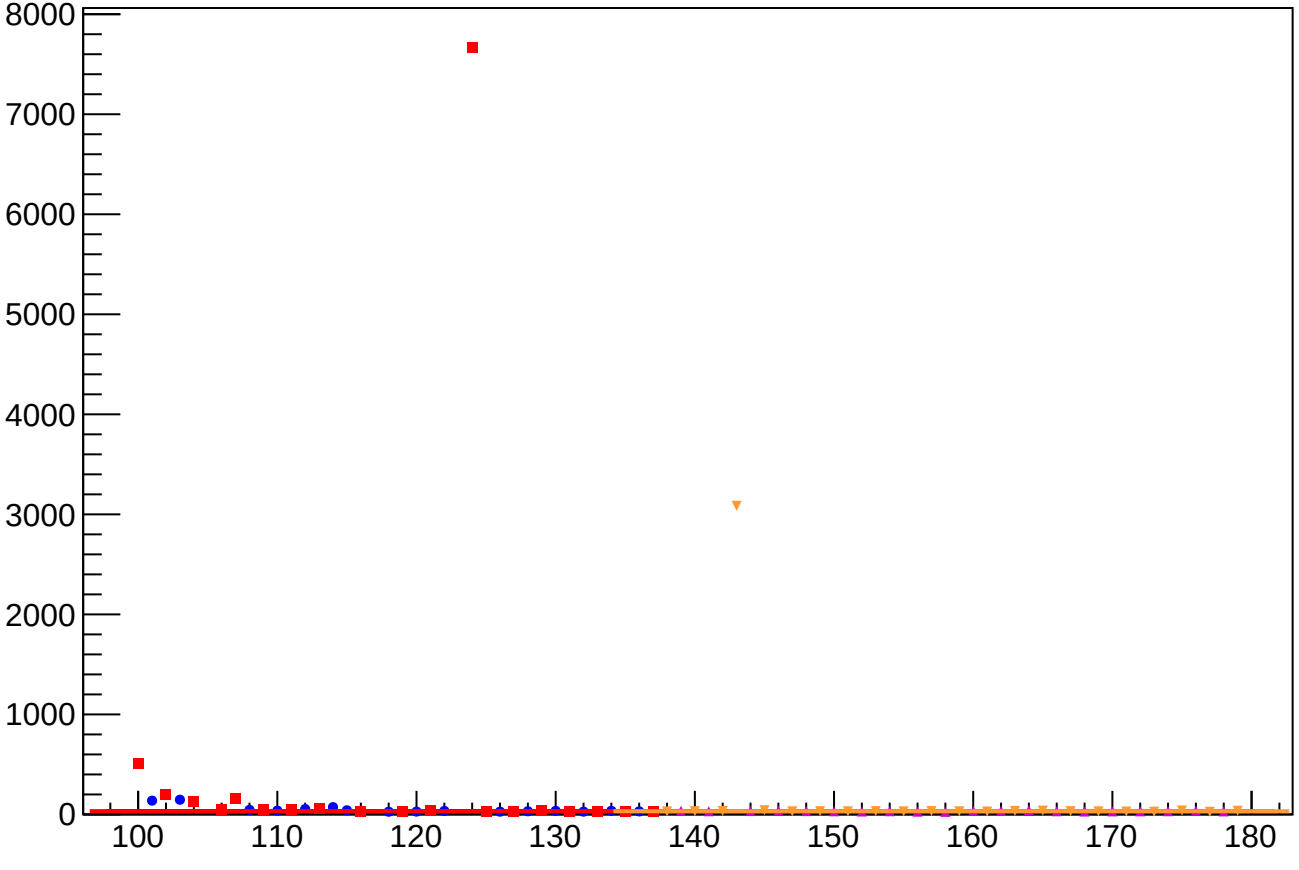
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.007+/-0.005 χ^2/NDF: 90.1/76

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940592.5/21

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.337+/-0.006 χ^2/NDF:284986.5/19

Left: 32.155+/-0.004 χ^2/NDF: 2227274.0/41

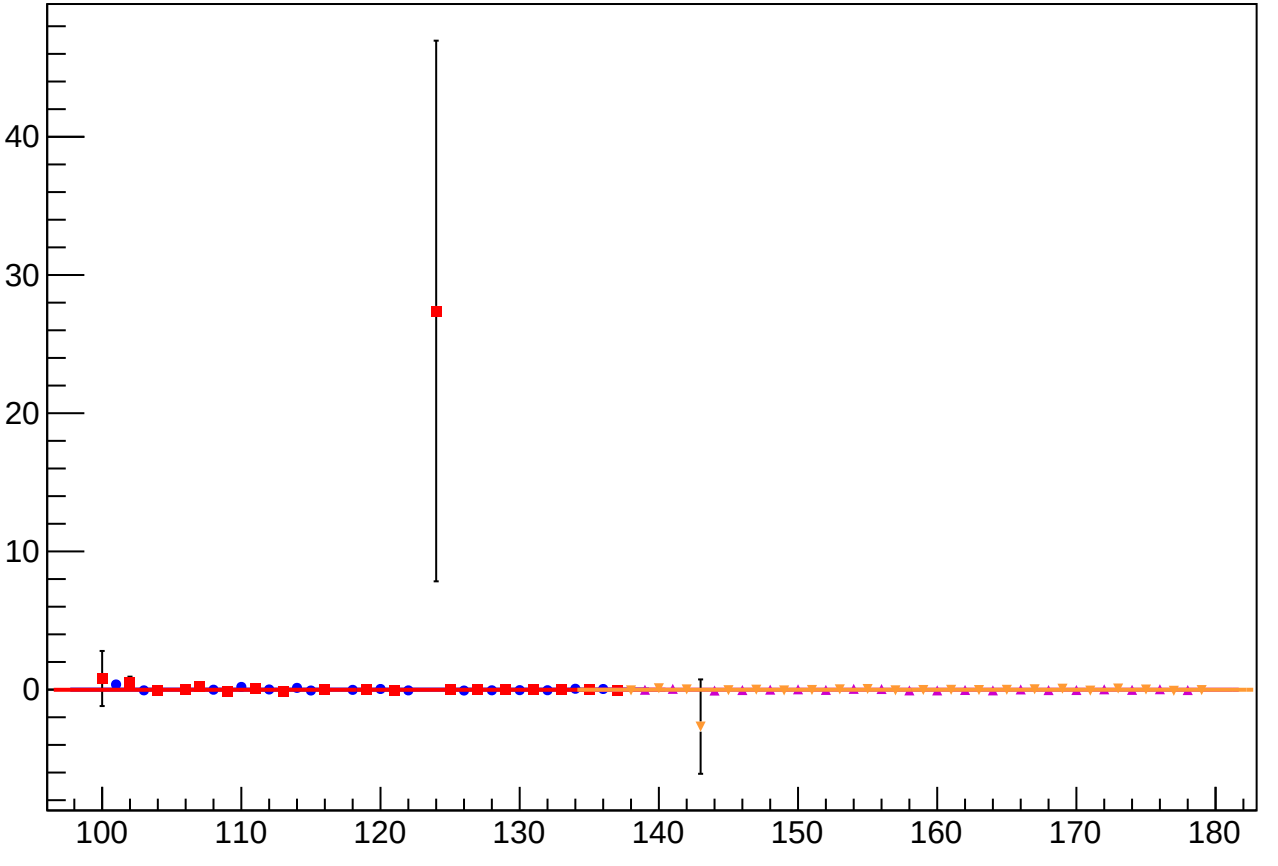
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.005 χ^2/NDF:2022304.6/35

Out: 32.256+/-0.005 χ^2/NDF:4023968.5/40

All: 32.517+/-0.004 χ^2/NDF: 6051269.3/76

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.009 χ^2/NDF:35.6/21

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.8/19

Left: -0.008+/-0.006 χ^2/NDF: 54.4/41

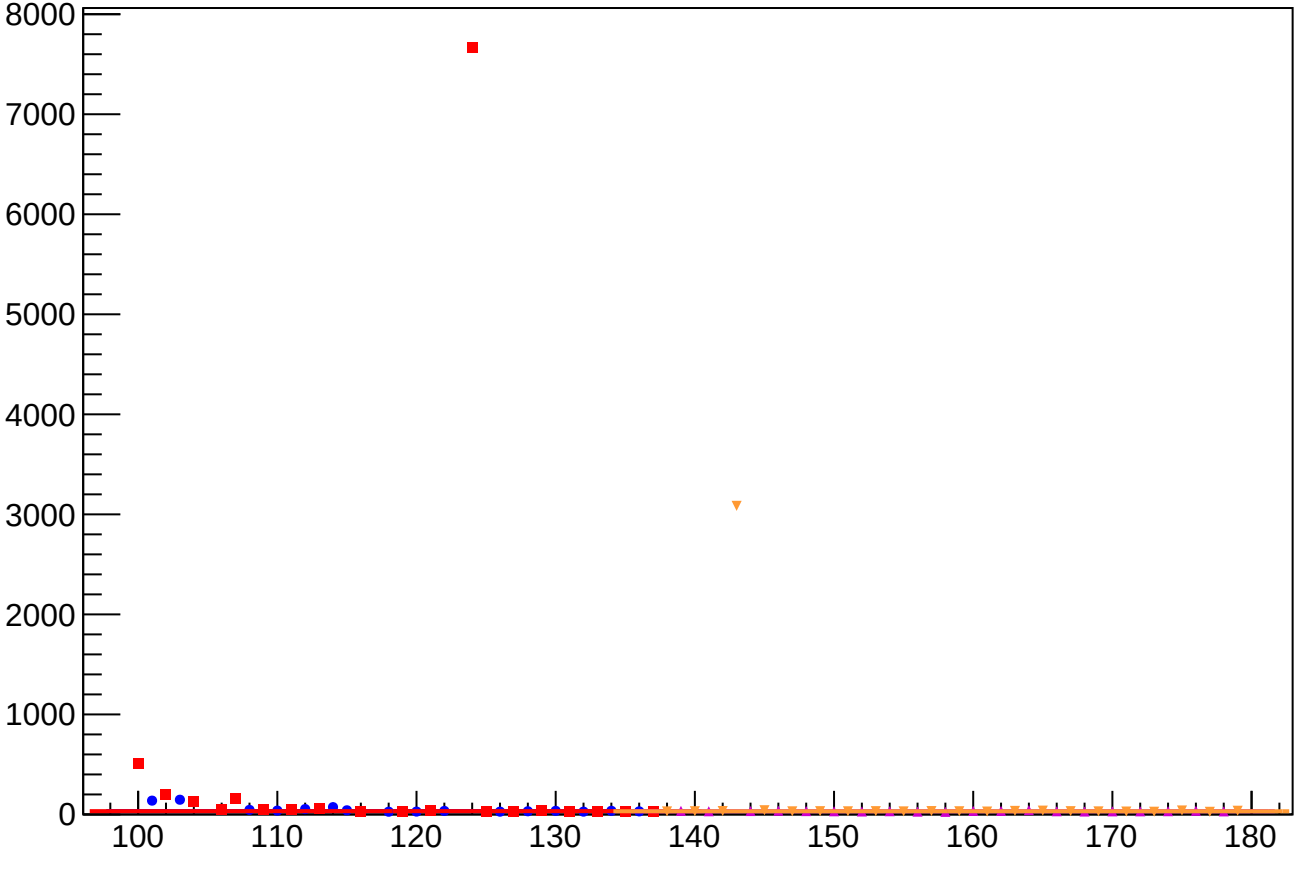
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.009+/-0.007 χ^2/NDF:49.8/40

All: -0.007+/-0.005 χ^2/NDF: 90.1/76

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.980+/-0.006 χ^2/NDF:1940592.5/21

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.337+/-0.006 χ^2/NDF:284986.5/19

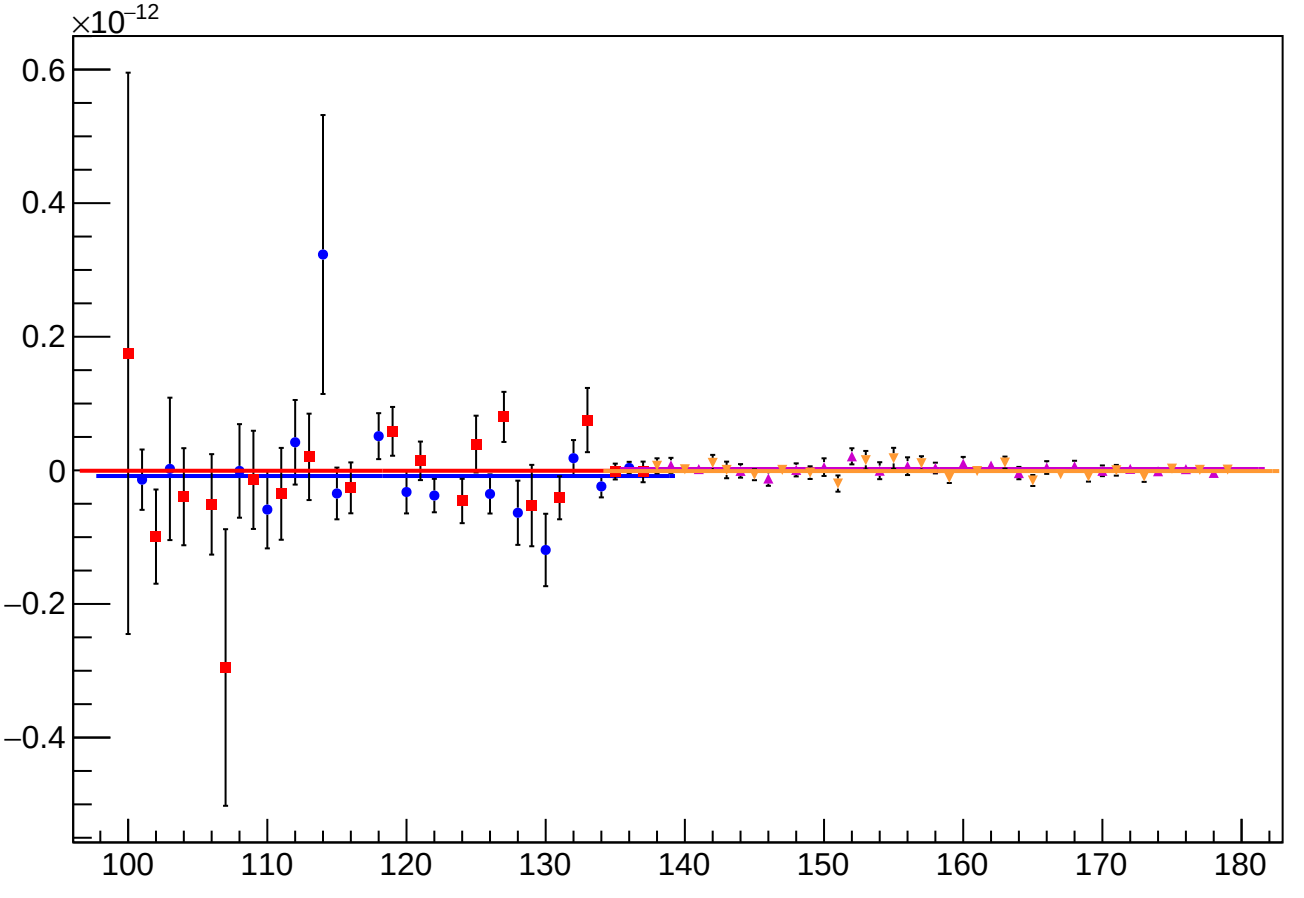
Left: 32.155+/-0.004 χ^2/NDF: 2227274.0/41

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.005 χ^2/NDF:2022304.6/35

Out: 32.256+/-0.005 χ^2/NDF:4023968.5/40

All: 32.517+/-0.004 χ^2/NDF: 6051269.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/19

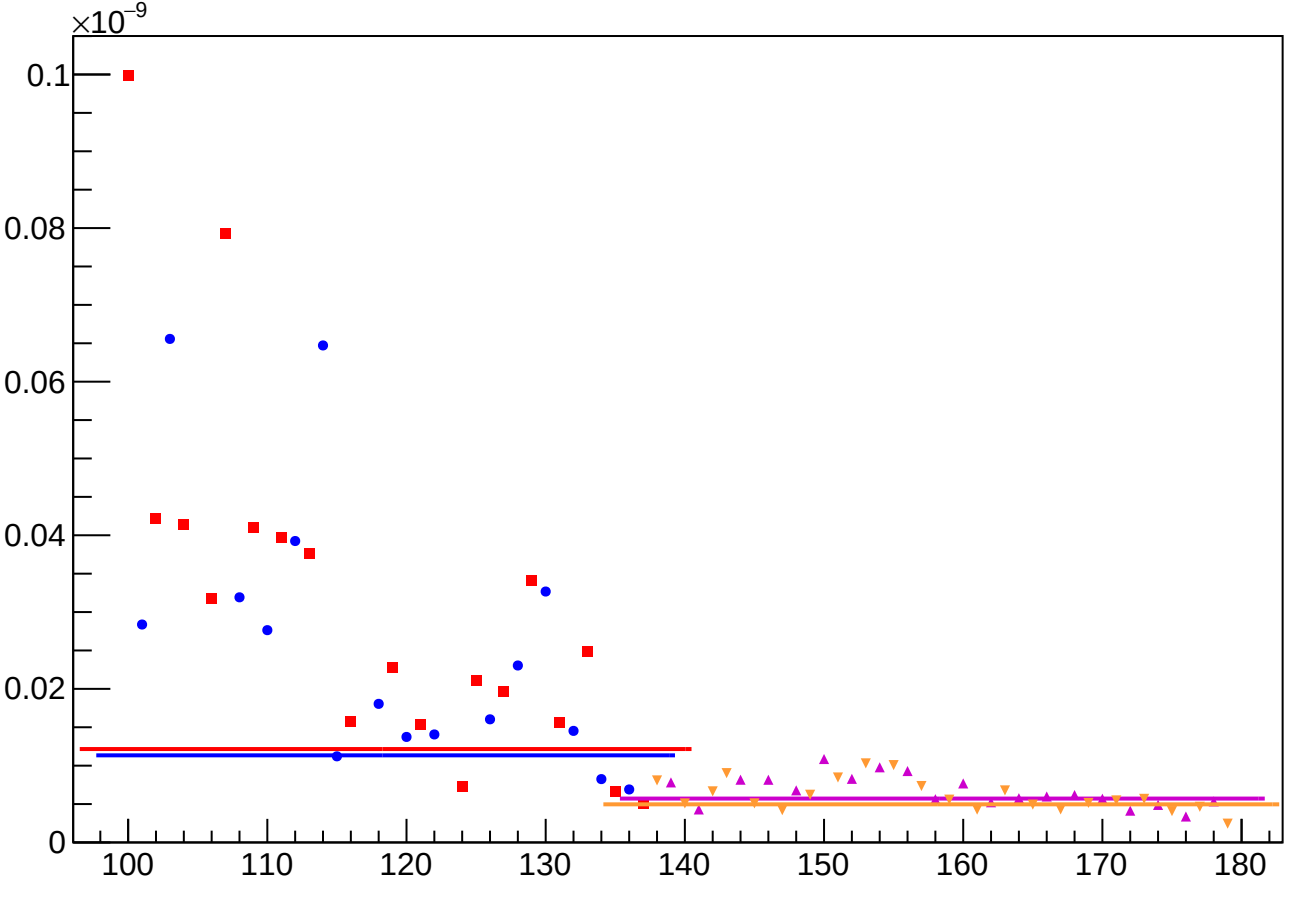
Left: 0.000+/-0.000 χ^2/NDF: 27.9/41

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:29.4/35

Out: -0.000+/-0.000 χ^2/NDF:39.5/40

All: -0.000+/-0.000 χ^2/NDF: 69.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2184415.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1792045.1/19

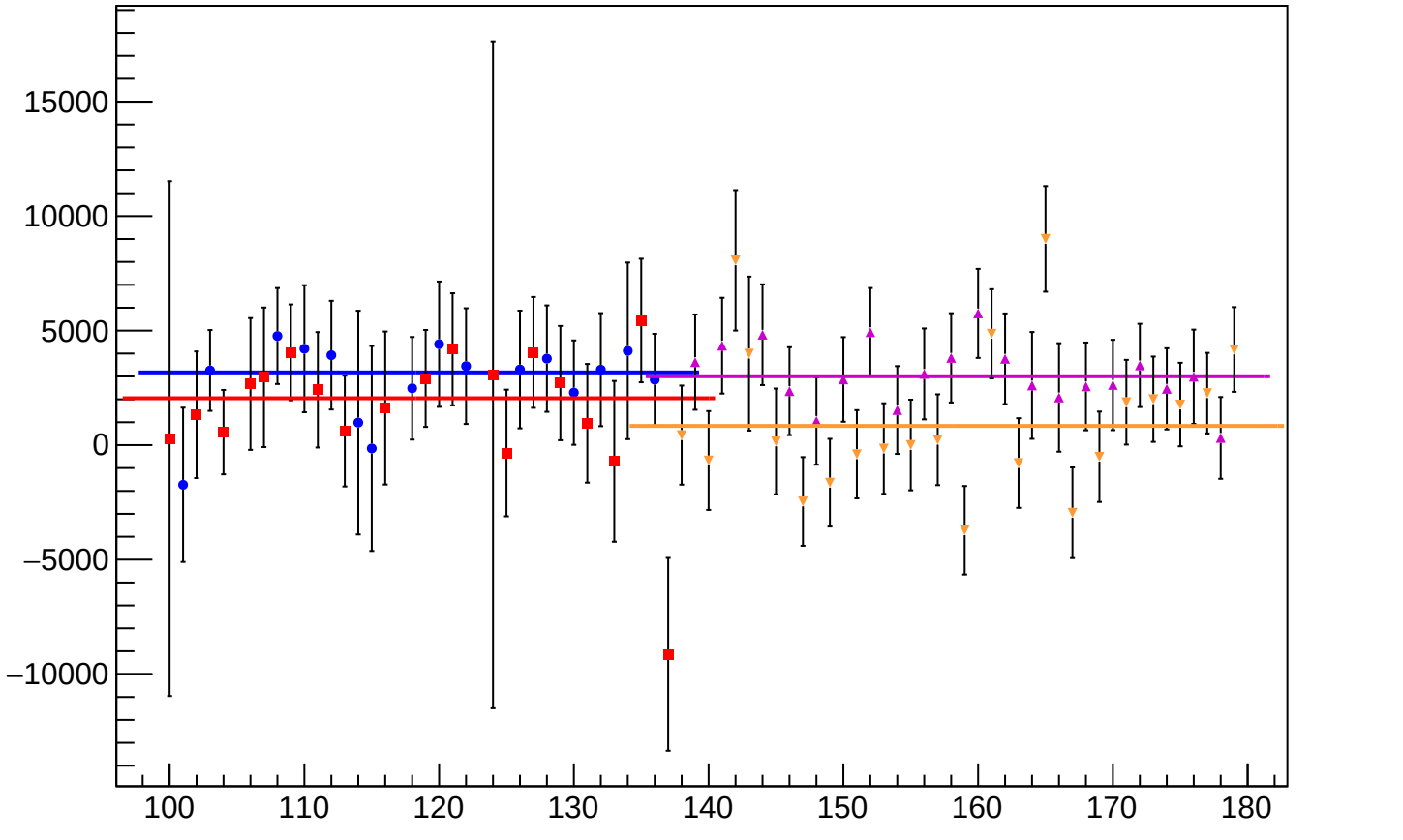
Left: 0.000+/-0.000 χ^2/NDF: 4158329.2/41

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6032223.9/35

Out: 0.000+/-0.000 χ^2/NDF:7816229.3/40

All: 0.000+/-0.000 χ^2/NDF: 14090027.5/76



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.480+/-431.357 χ^2/NDF:44.6/21

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3008.490+/-440.841 χ^2/NDF:9.0/19

Left: 1899.891+/-308.314 χ^2/NDF: 66.0/41

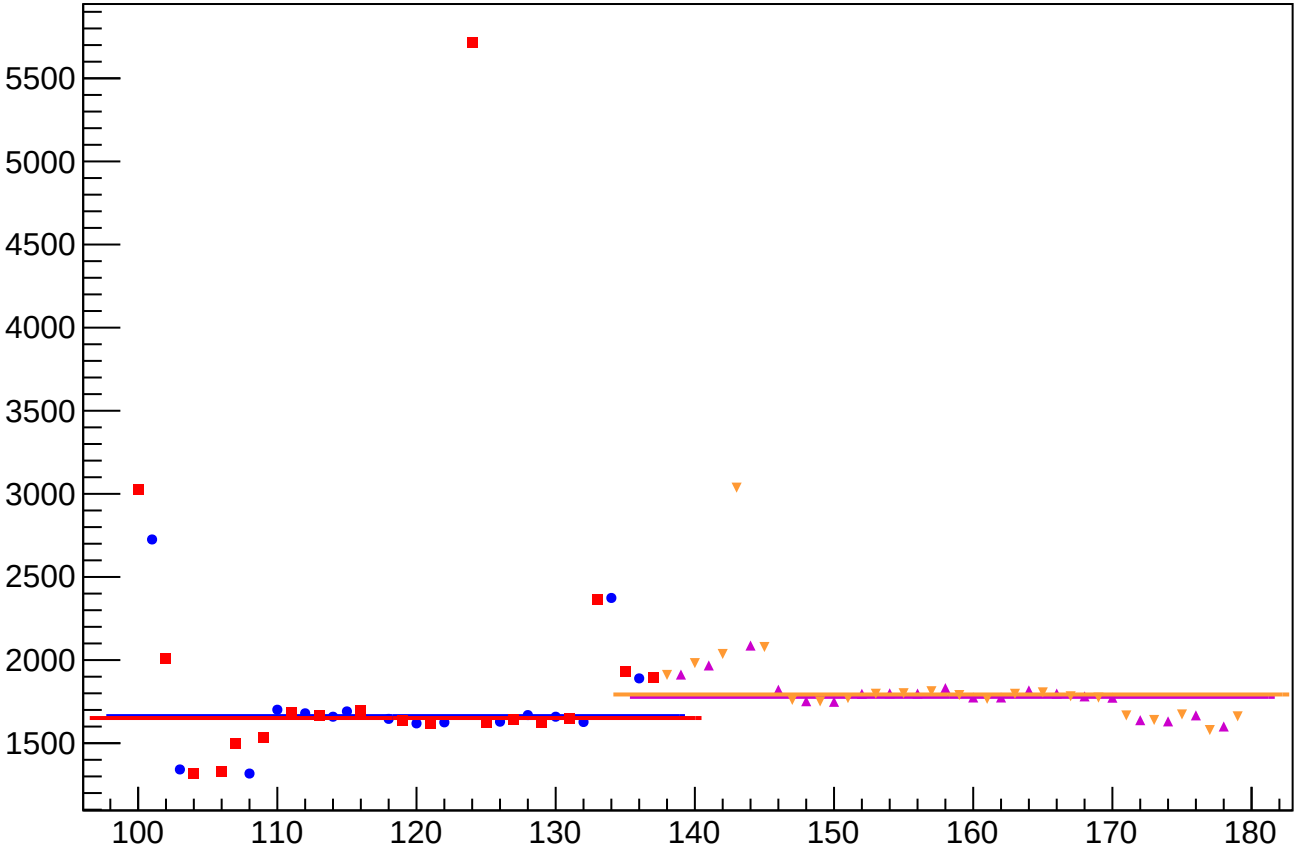
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3063.654+/-360.814 χ^2/NDF:13.3/35

Out: 1231.511+/-354.368 χ^2/NDF:61.2/40

All: 2131.068+/-252.824 χ^2/NDF: 87.7/76

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

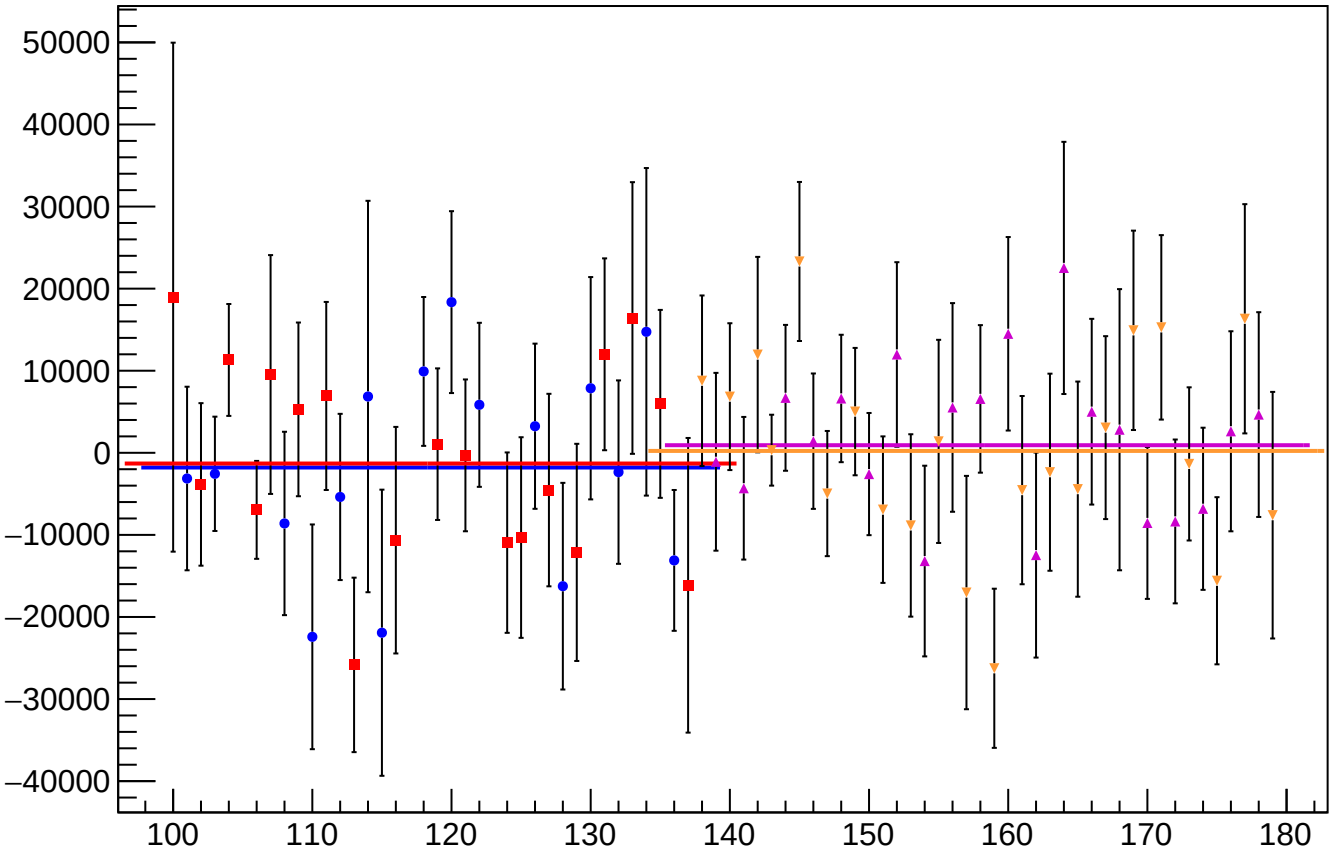
Left: 1786.050+/-0.218 χ^2/NDF: 533721.2/41

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1740.525+/-0.255 χ^2/NDF:581518.6/35

Out: 1746.948+/-0.251 χ^2/NDF:914504.5/40

All: 1743.794+/-0.179 χ^2/NDF: 1496345.7/76



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 229.945+/-2026.567 χ^2/NDF:26.7/21

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 924.489+/-2282.808 χ^2/NDF:11.8/19

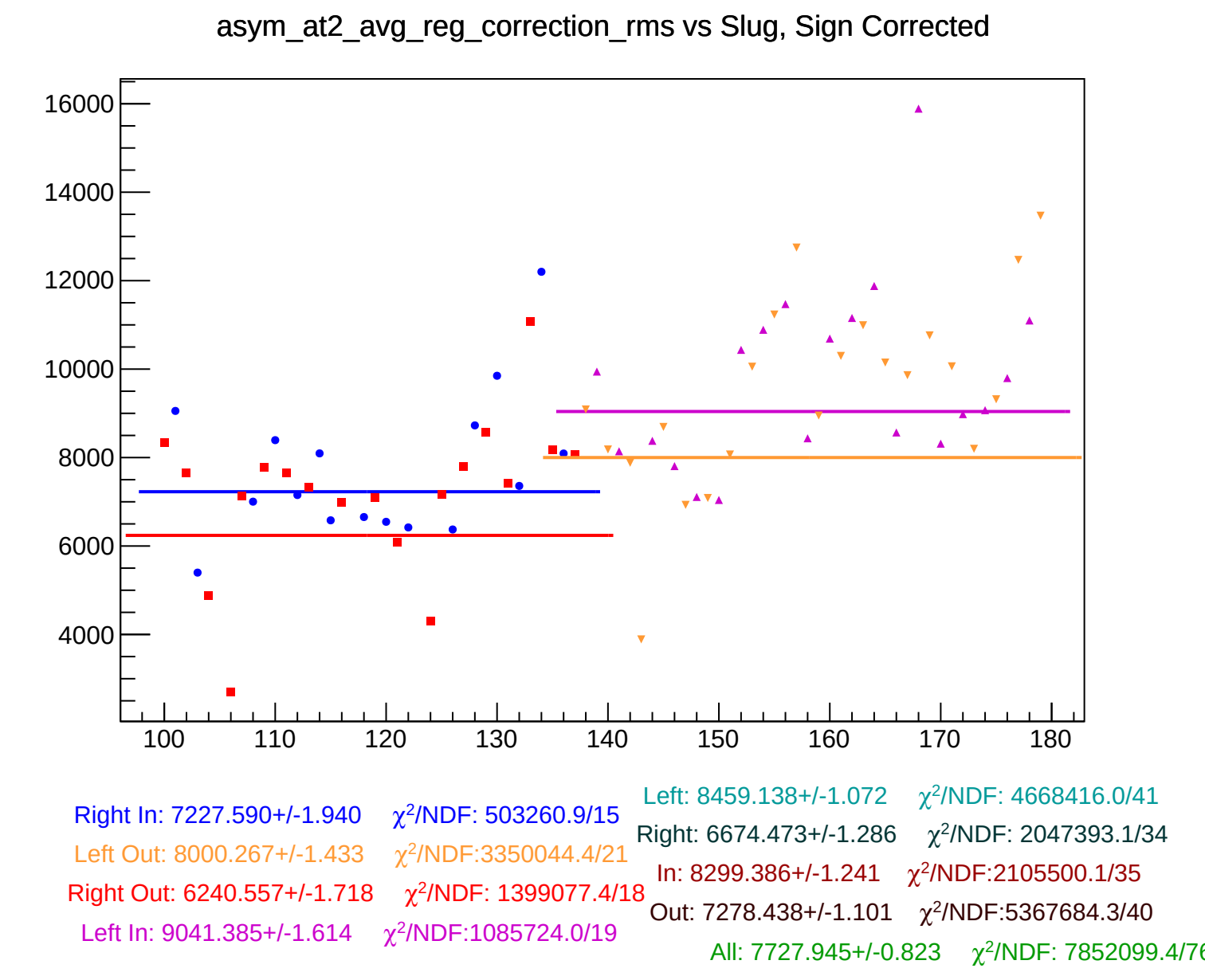
Left: 536.064+/-1515.531 χ^2/NDF: 38.5/41

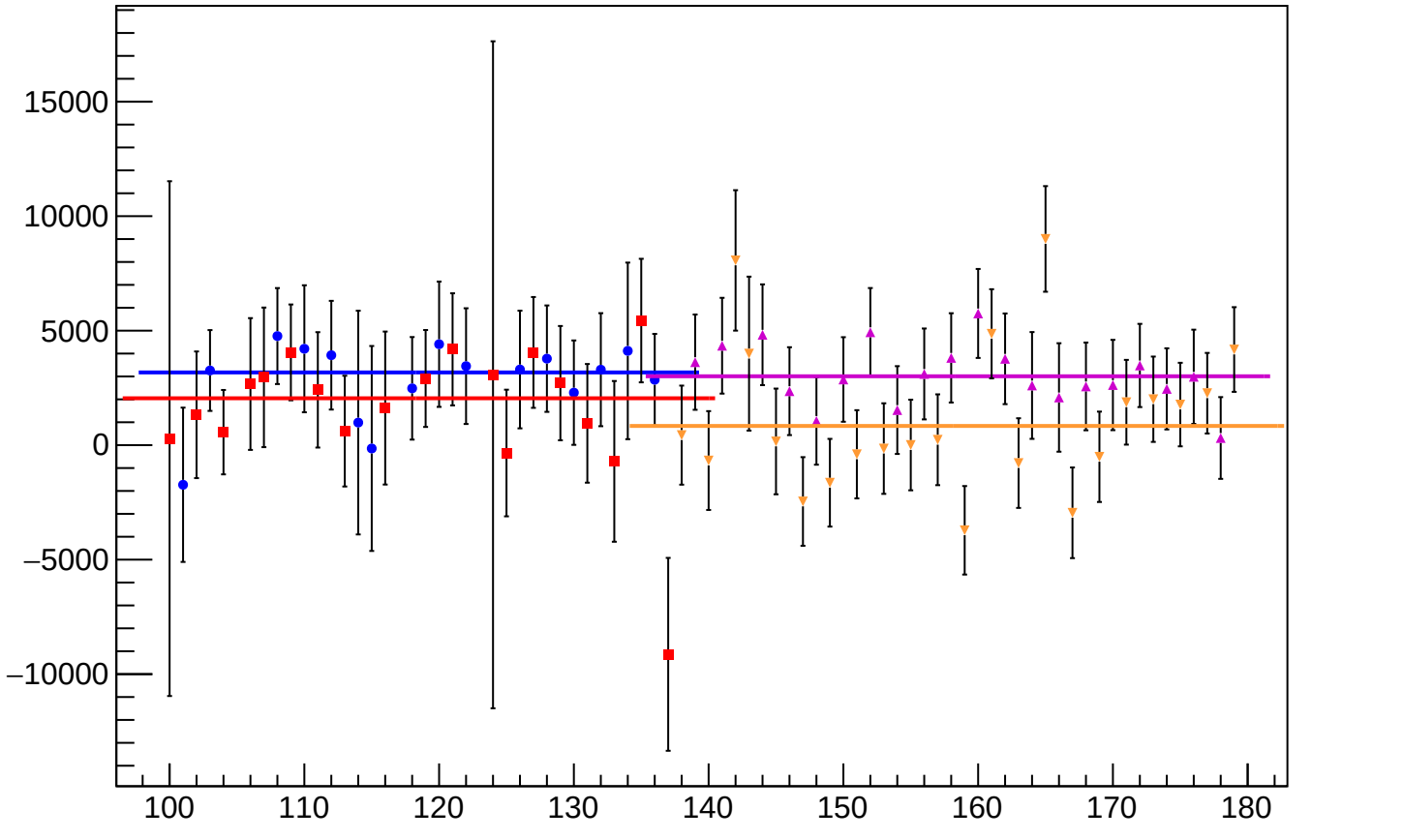
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -186.394+/-1754.815 χ^2/NDF:26.7/35

Out: -400.224+/-1556.375 χ^2/NDF:44.6/40

All: -306.078+/-1164.389 χ^2/NDF: 71.3/76


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 8000.267+/-1.433 χ²/NDF:3350044.4/21
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 9041.385+/-1.614 χ²/NDF:1085724.0/19
Left: 8459.138+/-1.072 χ²/NDF: 4668416.0/41
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8299.386+/-1.241 χ²/NDF:2105500.1/35
Out: 7278.438+/-1.101 χ²/NDF:5367684.3/40
All: 7727.945+/-0.823 χ²/NDF: 7852099.4/76



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3008.394+/-440.841 χ^2/NDF:9.0/19

Left: 1899.803+/-308.314 χ^2/NDF: 66.0/41

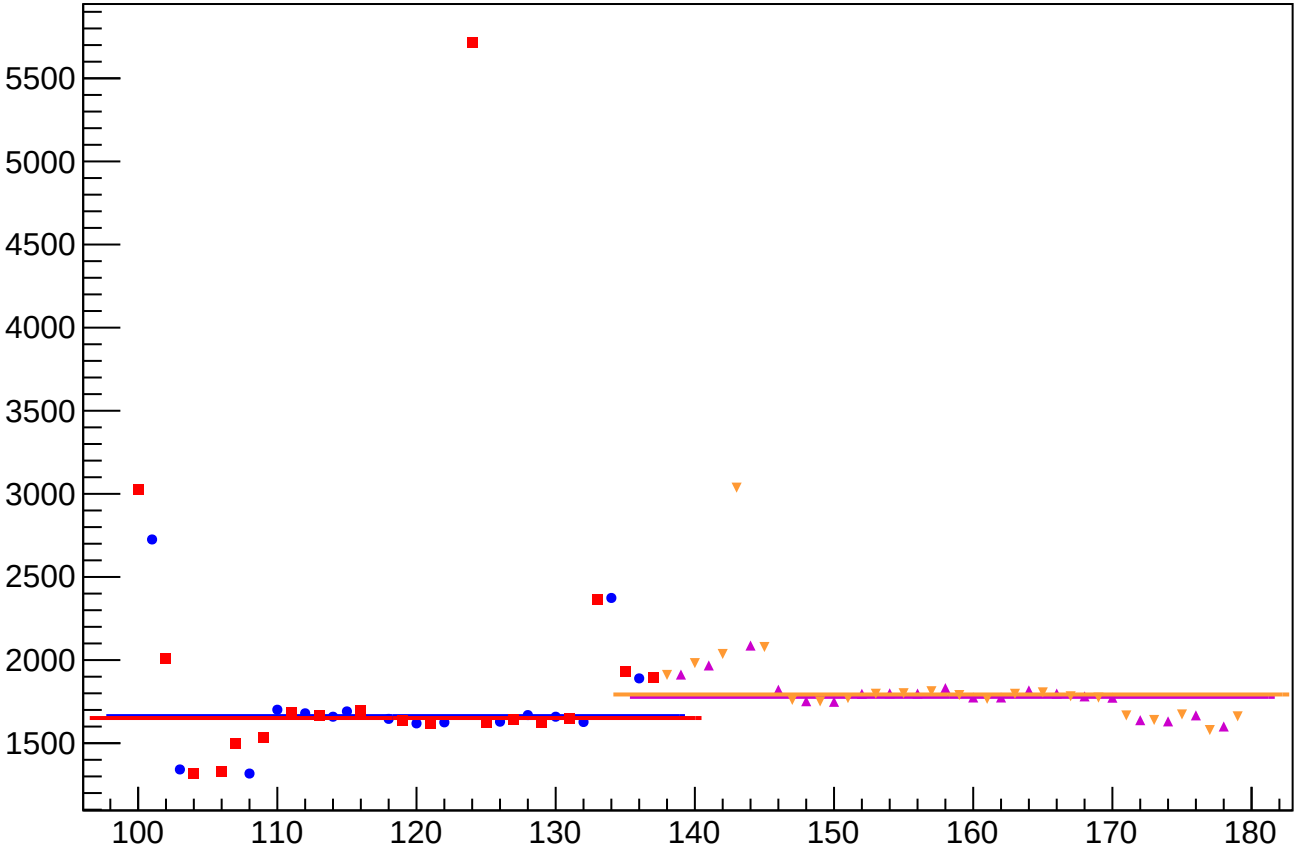
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3063.620+/-360.814 χ^2/NDF:13.3/35

Out: 1231.394+/-354.368 χ^2/NDF:61.2/40

All: 2130.992+/-252.824 χ^2/NDF: 87.7/76

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

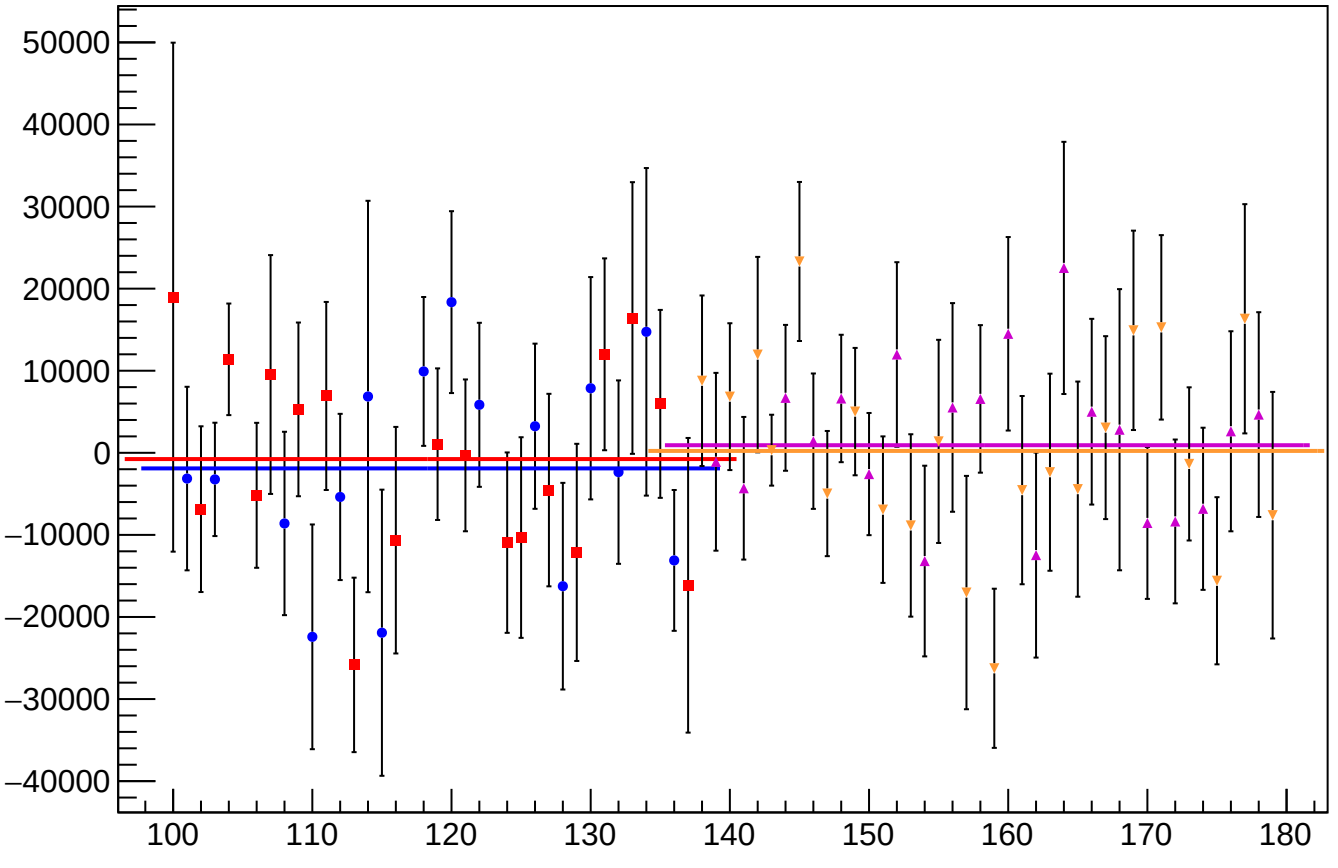
Left: 1786.050+/-0.218 χ^2/NDF: 533721.2/41

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1740.525+/-0.255 χ^2/NDF:581519.1/35

Out: 1746.948+/-0.251 χ^2/NDF:914504.7/40

All: 1743.794+/-0.179 χ^2/NDF: 1496346.4/76



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 924.558+/-2282.807 χ^2/NDF:11.8/19

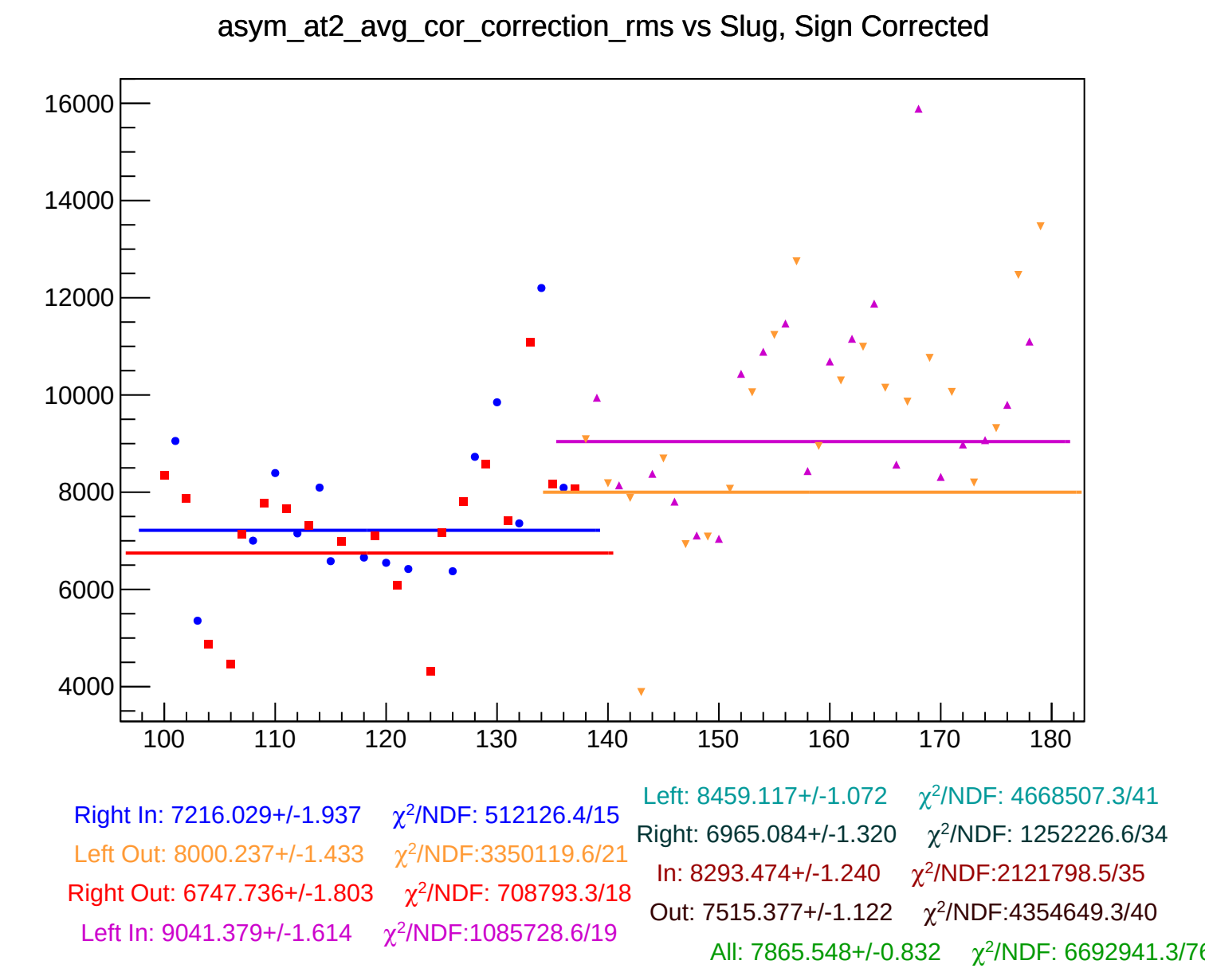
Left: 536.056+/-1515.528 χ^2/NDF: 38.5/41

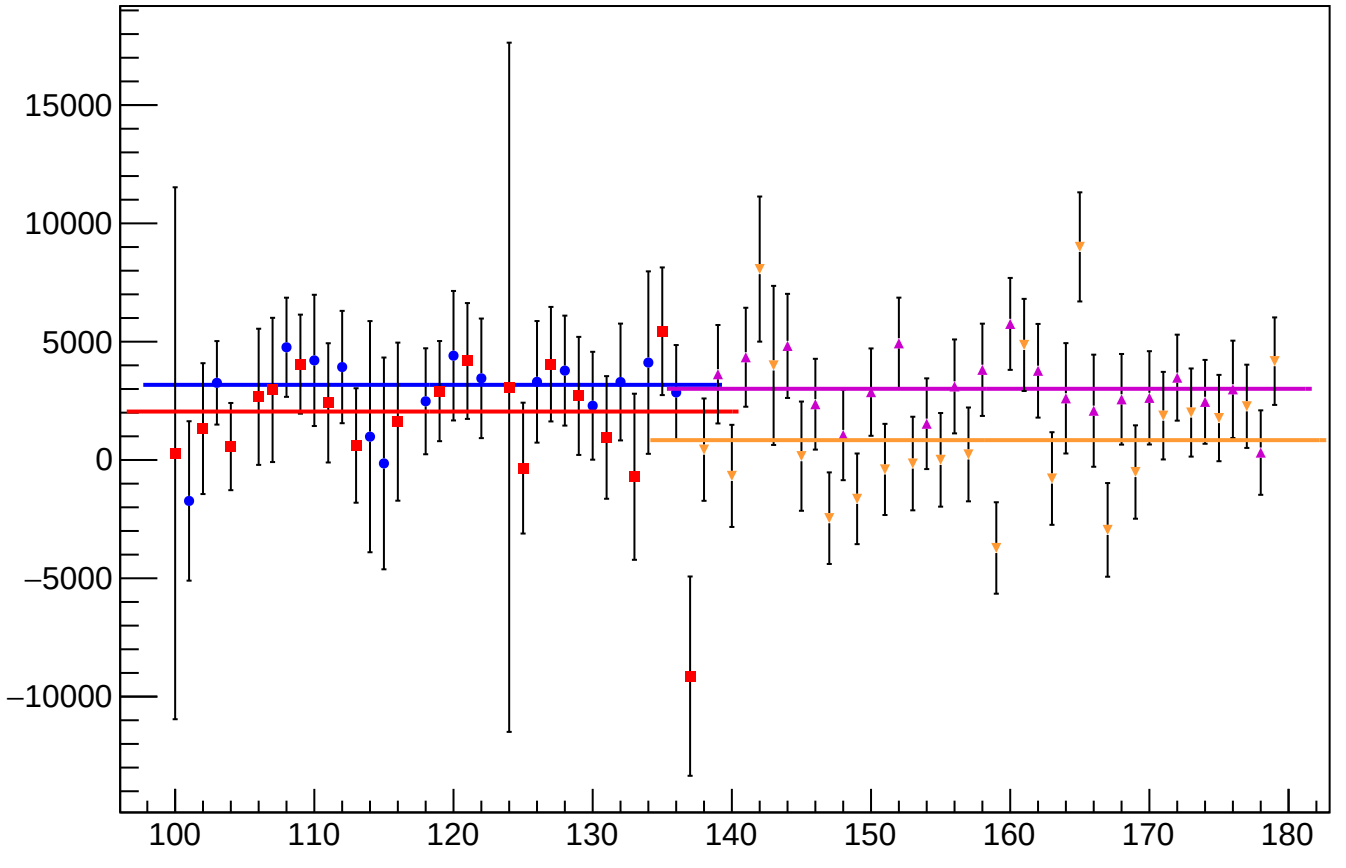
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -232.807+/-1753.855 χ^2/NDF:26.8/35

Out: -154.290+/-1586.536 χ^2/NDF:44.1/40

All: -189.626+/-1176.568 χ^2/NDF: 70.8/76


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 8000.237+/-1.433 χ²/NDF:3350119.6/21
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 9041.379+/-1.614 χ²/NDF:1085728.6/19
Left: 8459.117+/-1.072 χ²/NDF: 4668507.3/41
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8293.474+/-1.240 χ²/NDF:2121798.5/35
Out: 7515.377+/-1.122 χ²/NDF:4354649.3/40
All: 7865.548+/-0.832 χ²/NDF: 6692941.3/76



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 838.400+/-431.357 χ^2/NDF:44.7/21

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3008.394+/-440.841 χ^2/NDF:9.0/19

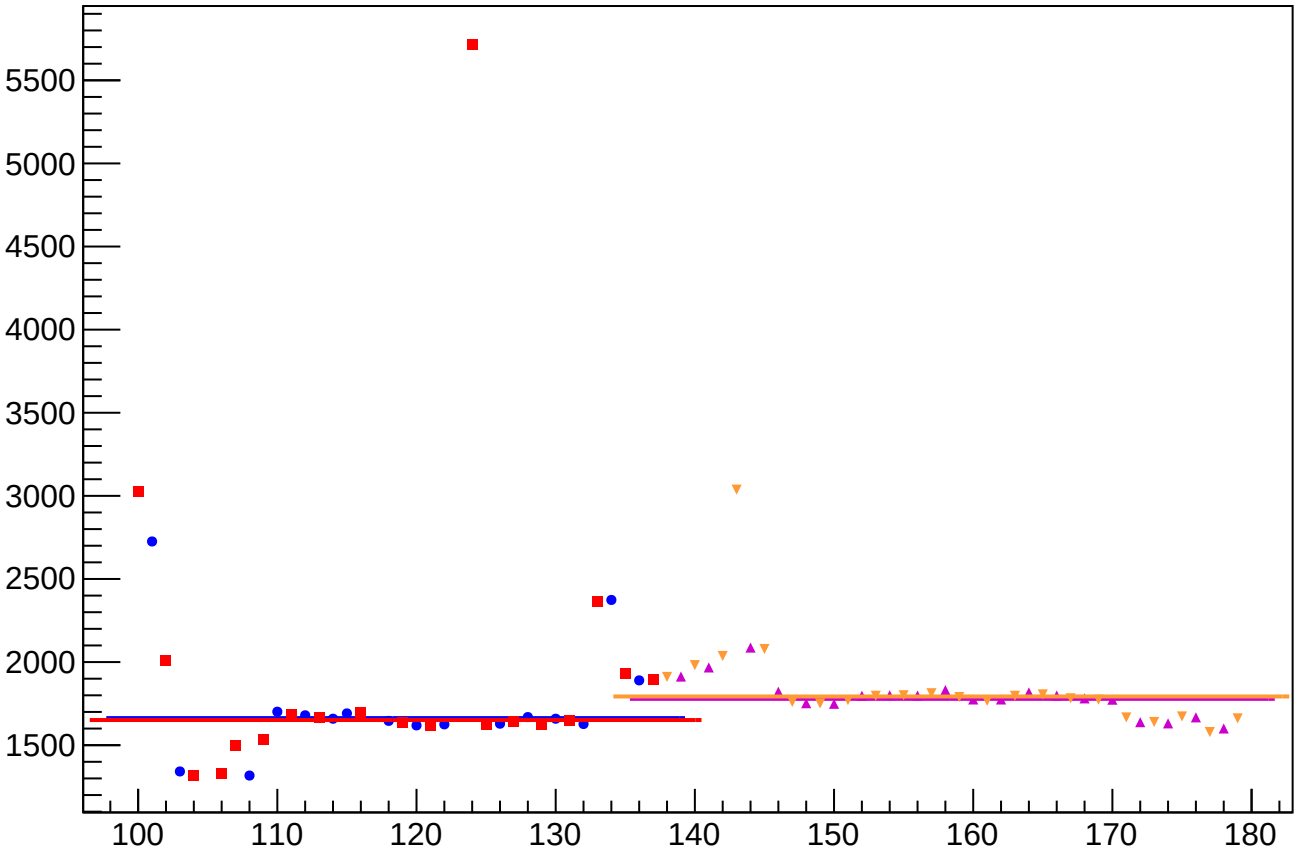
Left: 1899.803+/-308.314 χ^2/NDF: 66.0/41

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3063.620+/-360.814 χ^2/NDF:13.3/35

Out: 1231.394+/-354.368 χ^2/NDF:61.2/40

All: 2130.992+/-252.824 χ^2/NDF: 87.7/76



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1793.013+/-0.305 χ^2/NDF:412382.3/21

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1778.776+/-0.312 χ^2/NDF:120273.3/19

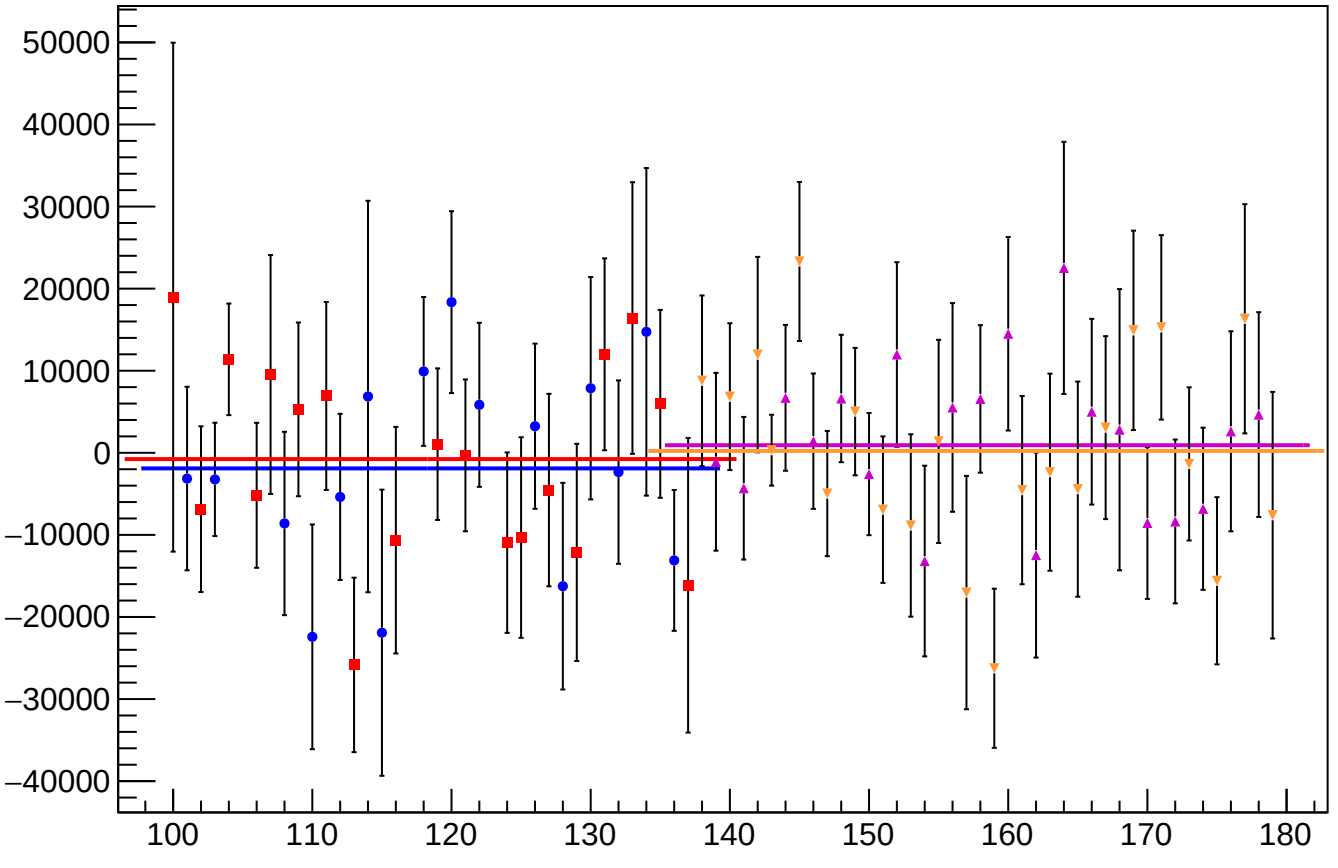
Left: 1786.050+/-0.218 χ^2/NDF: 533721.2/41

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1740.525+/-0.255 χ^2/NDF:581519.1/35

Out: 1746.948+/-0.251 χ^2/NDF:914504.7/40

All: 1743.794+/-0.179 χ^2/NDF: 1496346.4/76



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 229.877+/-2026.562 χ^2/NDF:26.7/21

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 924.558+/-2282.807 χ^2/NDF:11.8/19

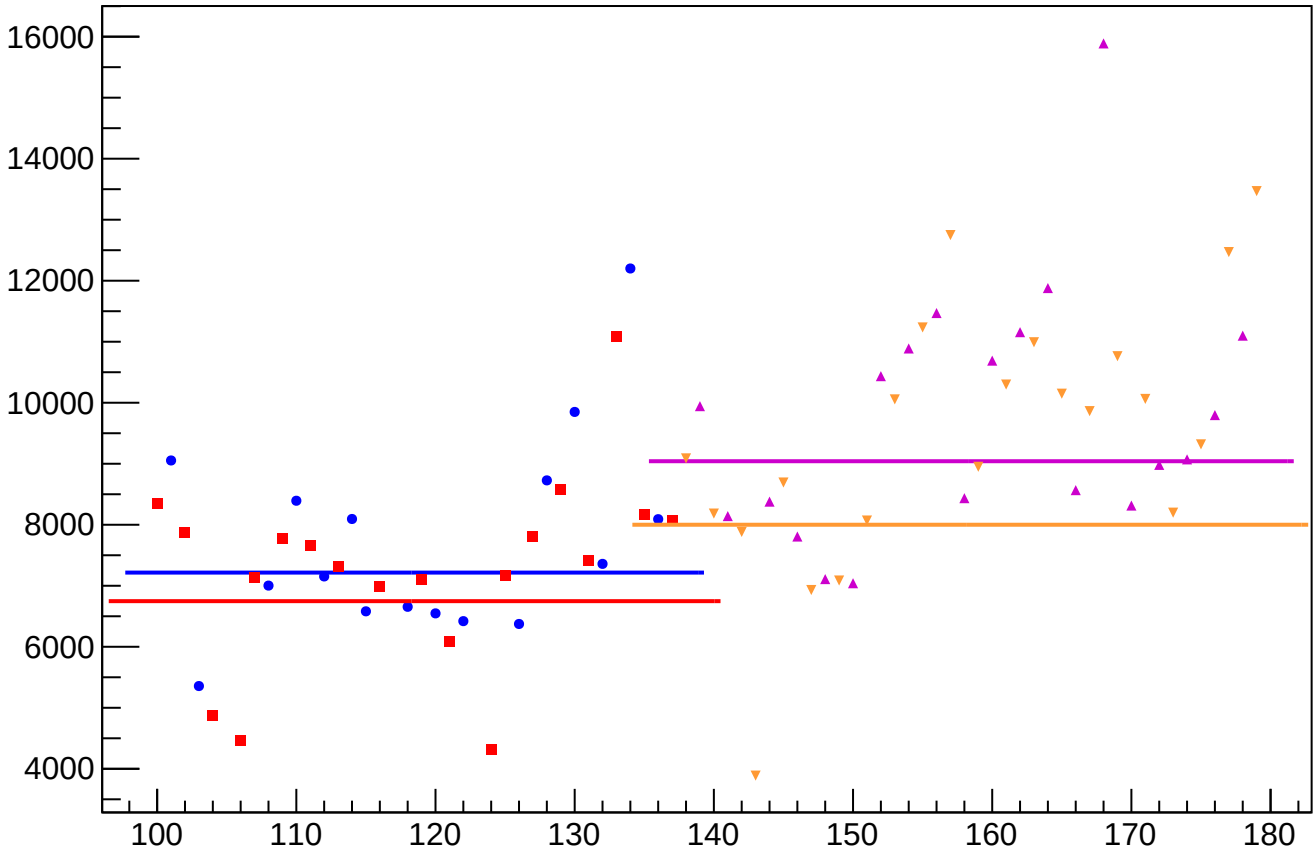
Left: 536.056+/-1515.528 χ^2/NDF: 38.5/41

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -232.807+/-1753.855 χ^2/NDF:26.8/35

Out: -154.290+/-1586.536 χ^2/NDF:44.1/40

All: -189.626+/-1176.568 χ^2/NDF: 70.8/76



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 8000.237+/-1.433 χ^2/NDF:3350119.6/21

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 9041.379+/-1.614 χ^2/NDF:1085728.6/19

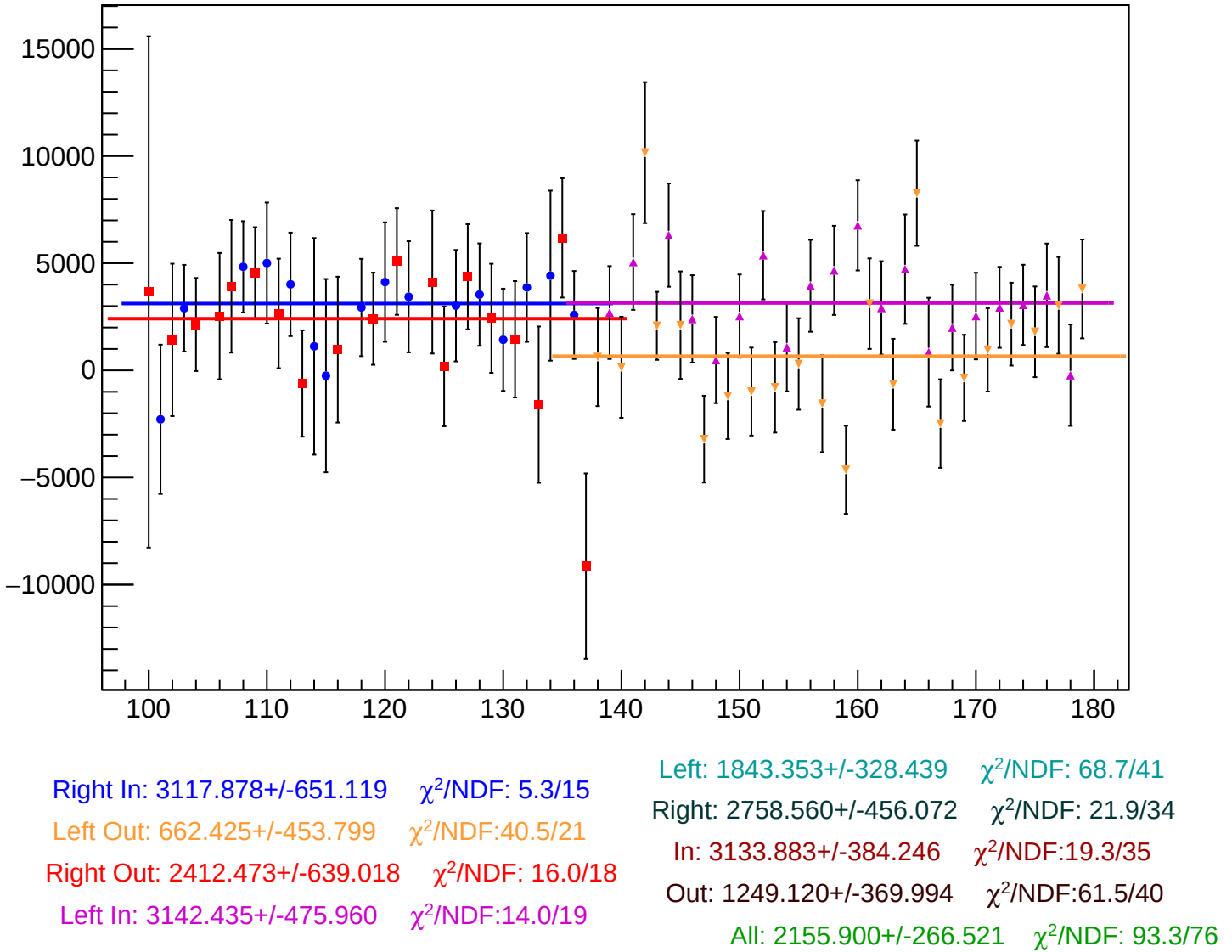
Left: 8459.117+/-1.072 χ^2/NDF: 4668507.3/41

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

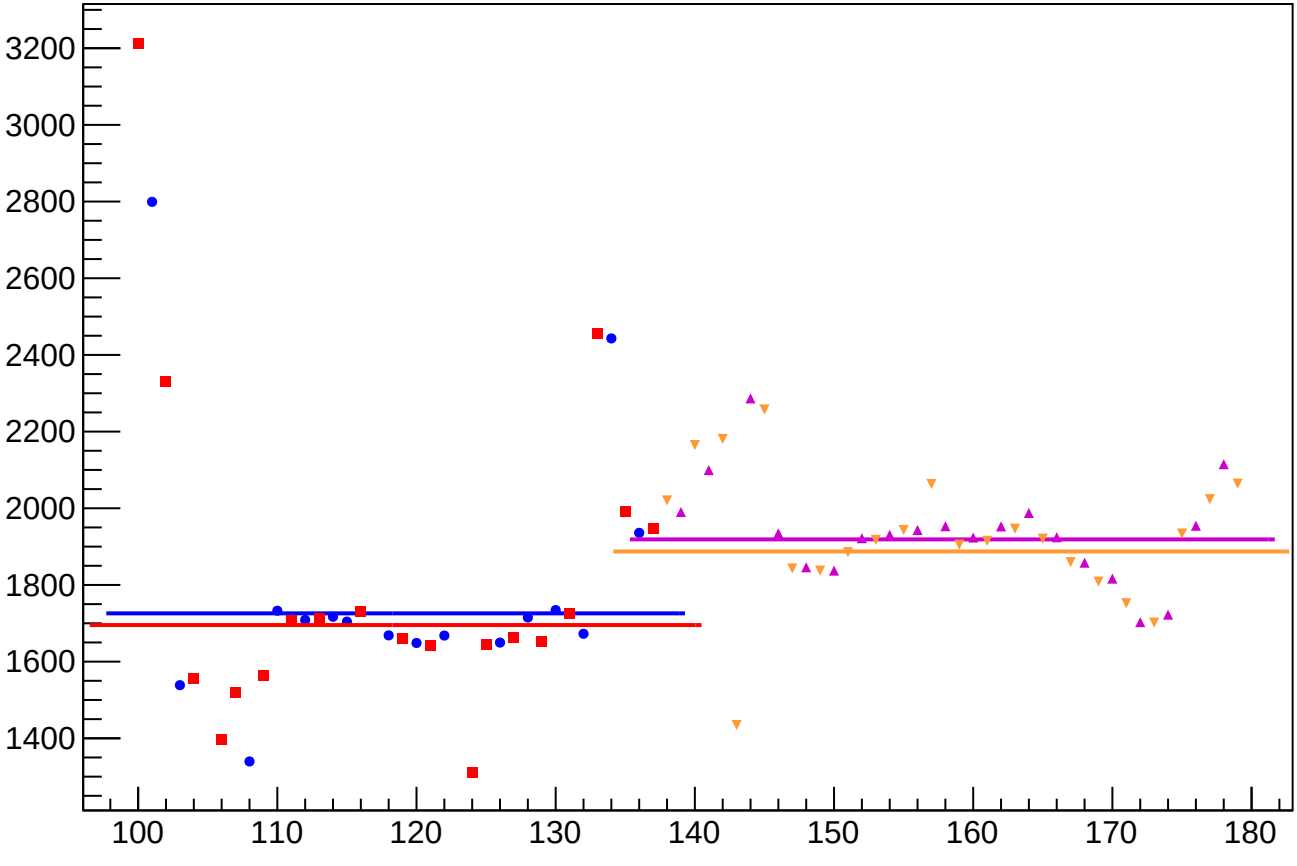
In: 8293.474+/-1.240 χ^2/NDF:2121798.5/35

Out: 7515.377+/-1.122 χ^2/NDF:4354649.3/40

All: 7865.548+/-0.832 χ^2/NDF: 6692941.3/76


dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 3117.878+/-651.119 χ²/NDF: 5.3/15
Left Out: 662.425+/-453.799 χ²/NDF:40.5/21
Right Out: 2412.473+/-639.018 χ²/NDF: 16.0/18
Left In: 3142.435+/-475.960 χ²/NDF:14.0/19
Left: 1843.353+/-328.439 χ²/NDF: 68.7/41
Right: 2758.560+/-456.072 χ²/NDF: 21.9/34
In: 3133.883+/-384.246 χ²/NDF:19.3/35
Out: 1249.120+/-369.994 χ²/NDF:61.5/40
All: 2155.900+/-266.521 χ²/NDF: 93.3/76

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1887.344+/-0.321 χ^2/NDF:326541.9/21

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1918.836+/-0.337 χ^2/NDF:140218.4/19

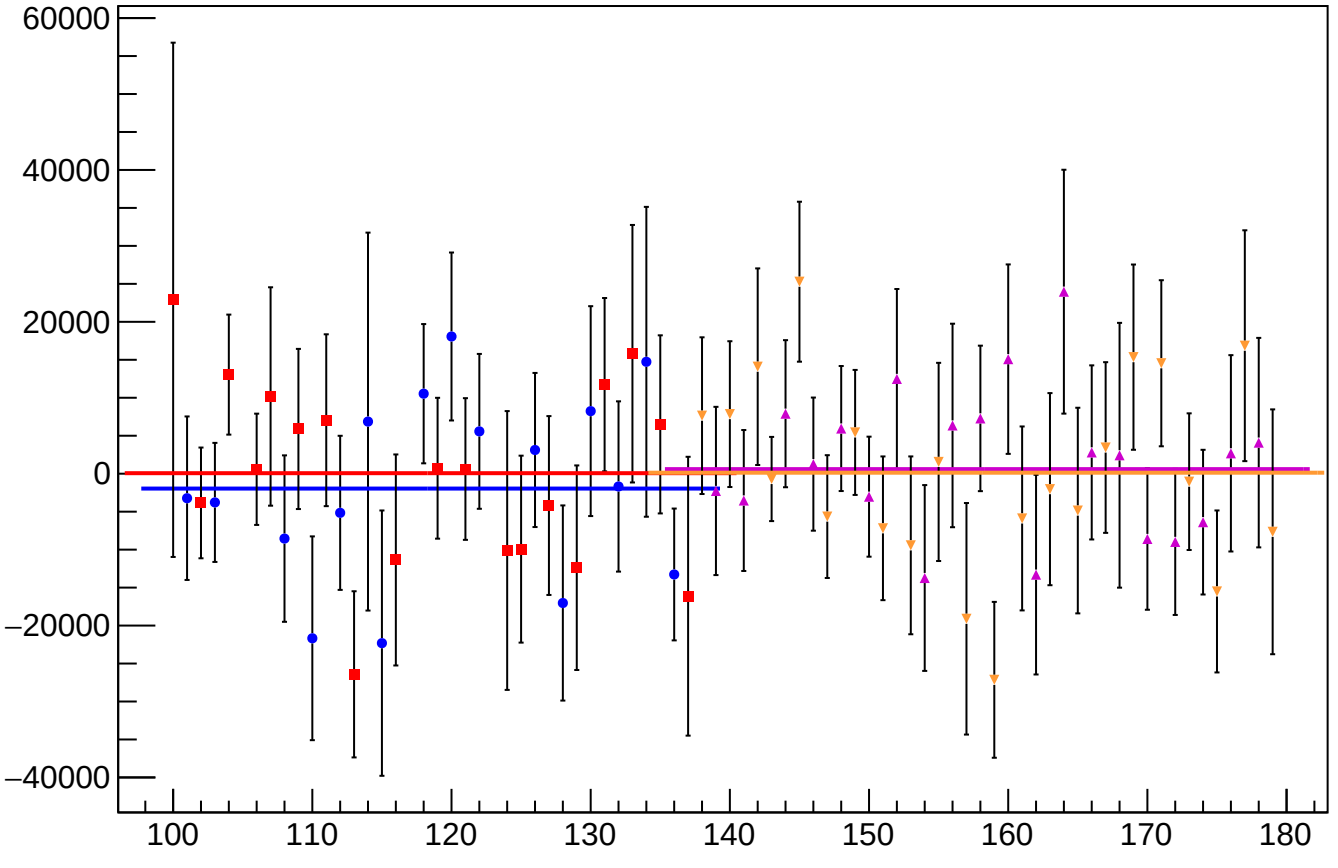
Left: 1902.339+/-0.232 χ^2/NDF: 471346.8/41

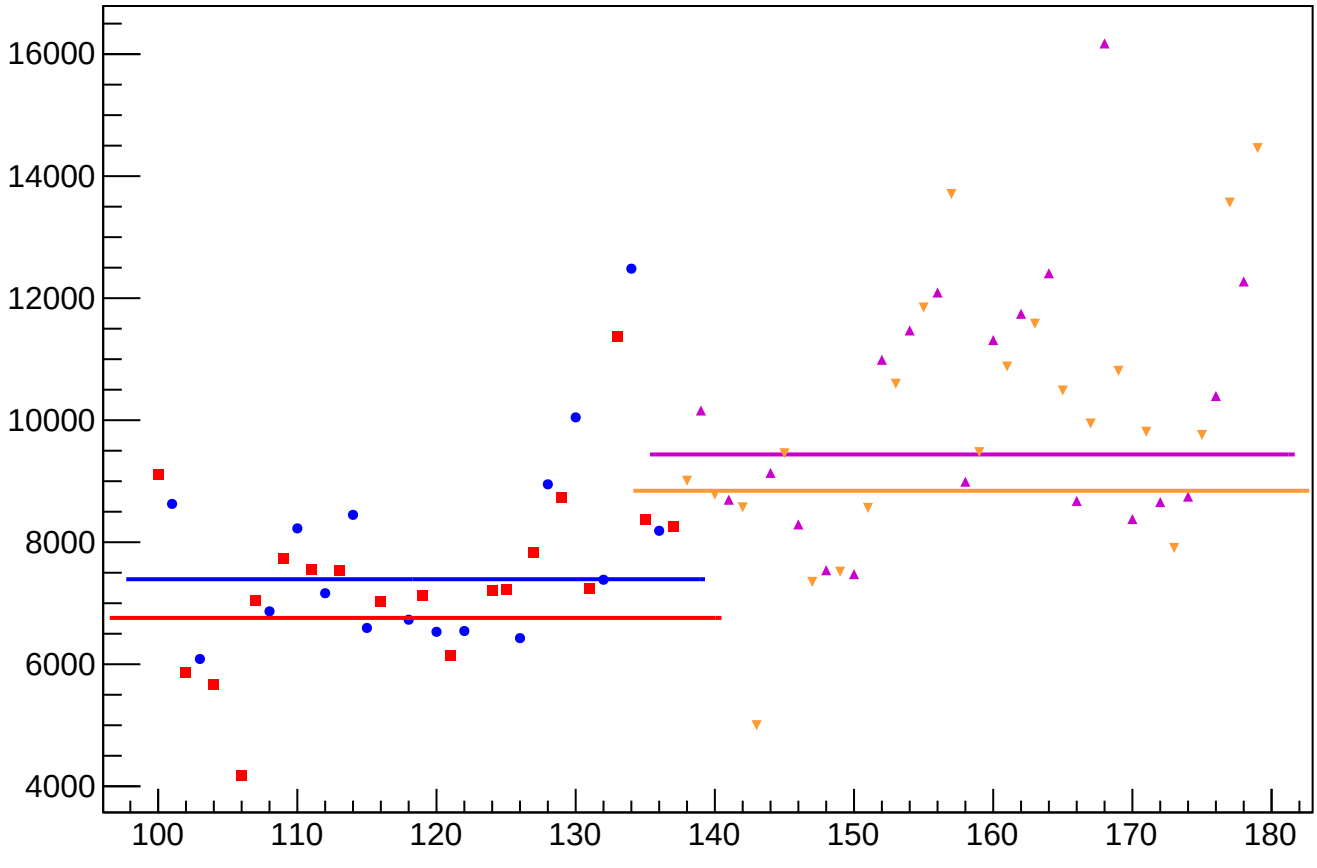
Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1851.649+/-0.272 χ^2/NDF:620293.8/35

Out: 1822.959+/-0.262 χ^2/NDF:732192.5/40

All: 1836.760+/-0.188 χ^2/NDF: 1358272.3/76


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: 130.714+/-2199.048 χ²/NDF:26.3/21
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 602.790+/-2383.440 χ²/NDF:11.7/19
Left: 347.787+/-1616.223 χ²/NDF: 38.1/41
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: -474.120+/-1814.475 χ²/NDF:26.6/35
Out: 103.786+/-1659.589 χ²/NDF:42.4/40
All: -159.453+/-1224.609 χ²/NDF: 69.1/76



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8843.374+/-1.555 χ^2/NDF:2191946.6/21

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9438.646+/-1.685 χ^2/NDF:1086742.2/19

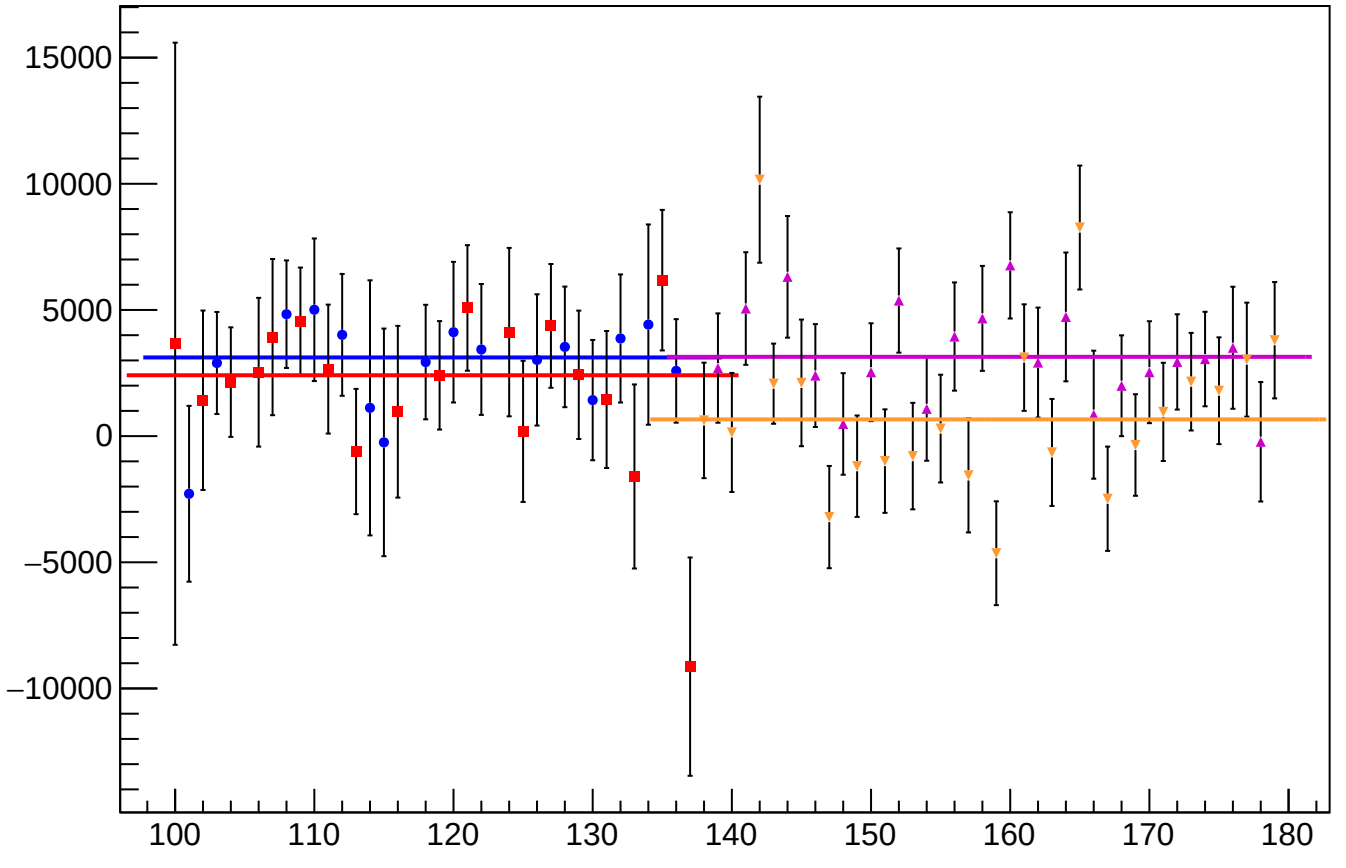
Left: 9117.096+/-1.143 χ^2/NDF: 3346077.3/41

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8578.823+/-1.283 χ^2/NDF:2107623.7/35

Out: 7946.339+/-1.174 χ^2/NDF:3609374.3/40

All: 8234.439+/-0.866 χ^2/NDF: 5849316.6/76



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 662.415+/-453.800 χ^2/NDF:40.5/21

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3142.440+/-475.960 χ^2/NDF:14.0/19

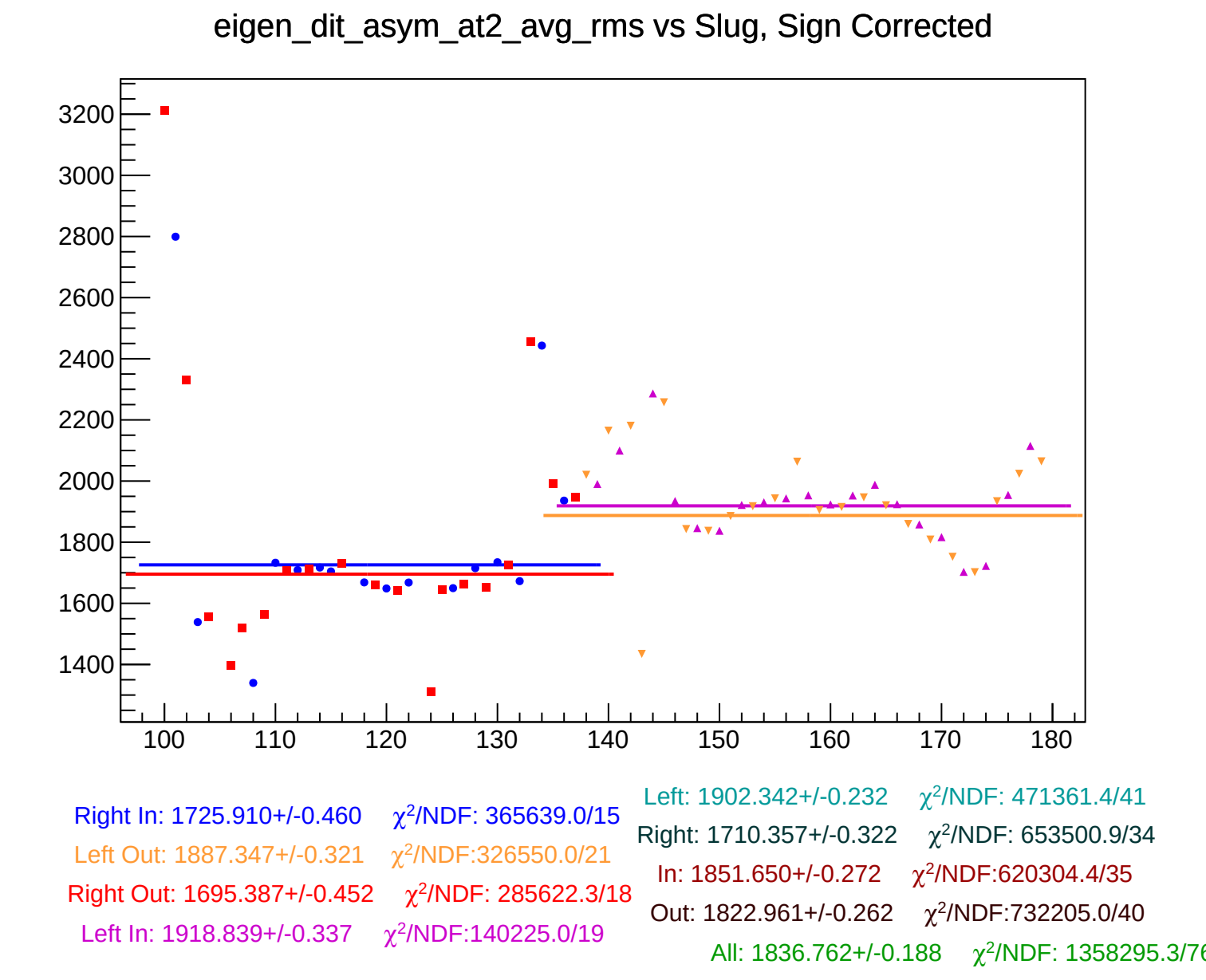
Left: 1843.349+/-328.440 χ^2/NDF: 68.7/41

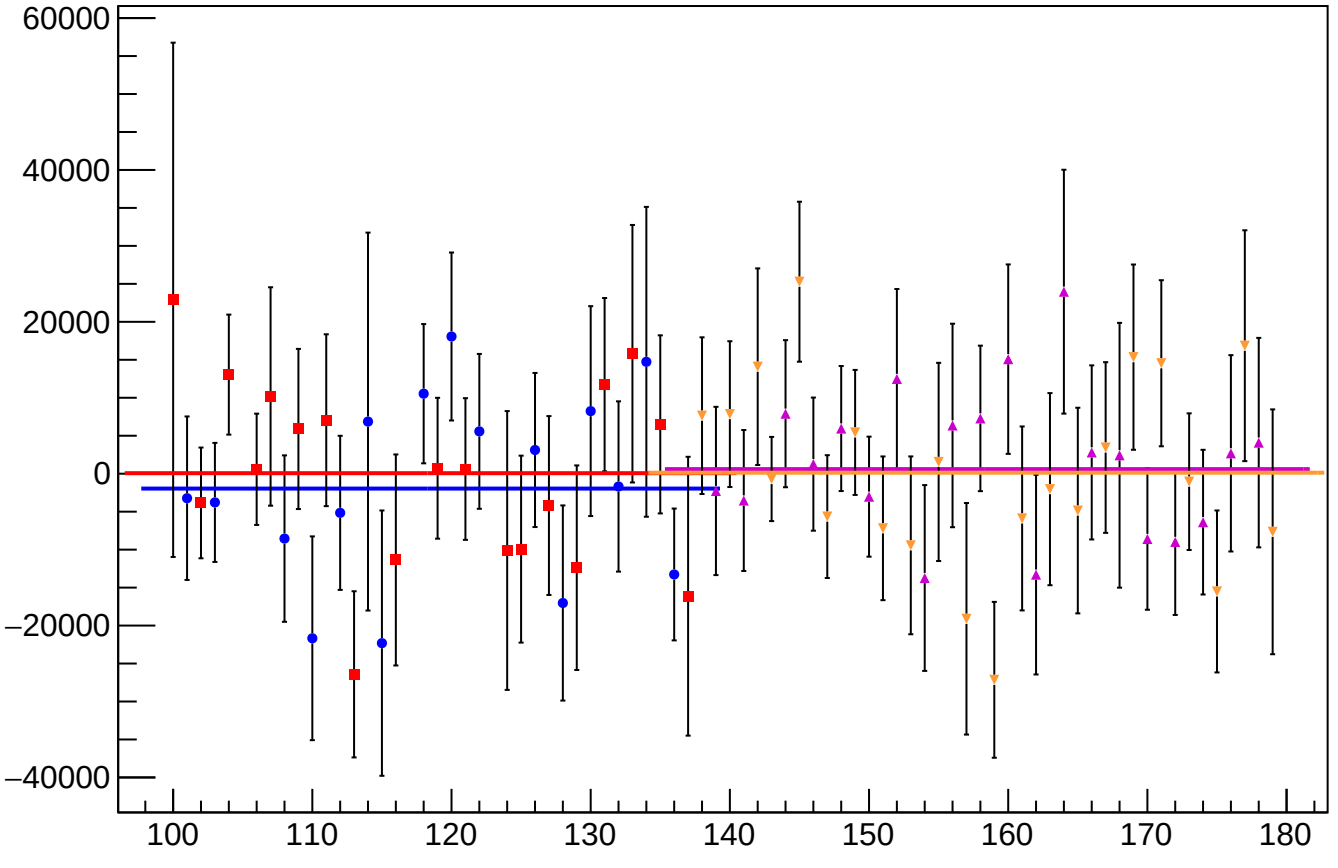
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

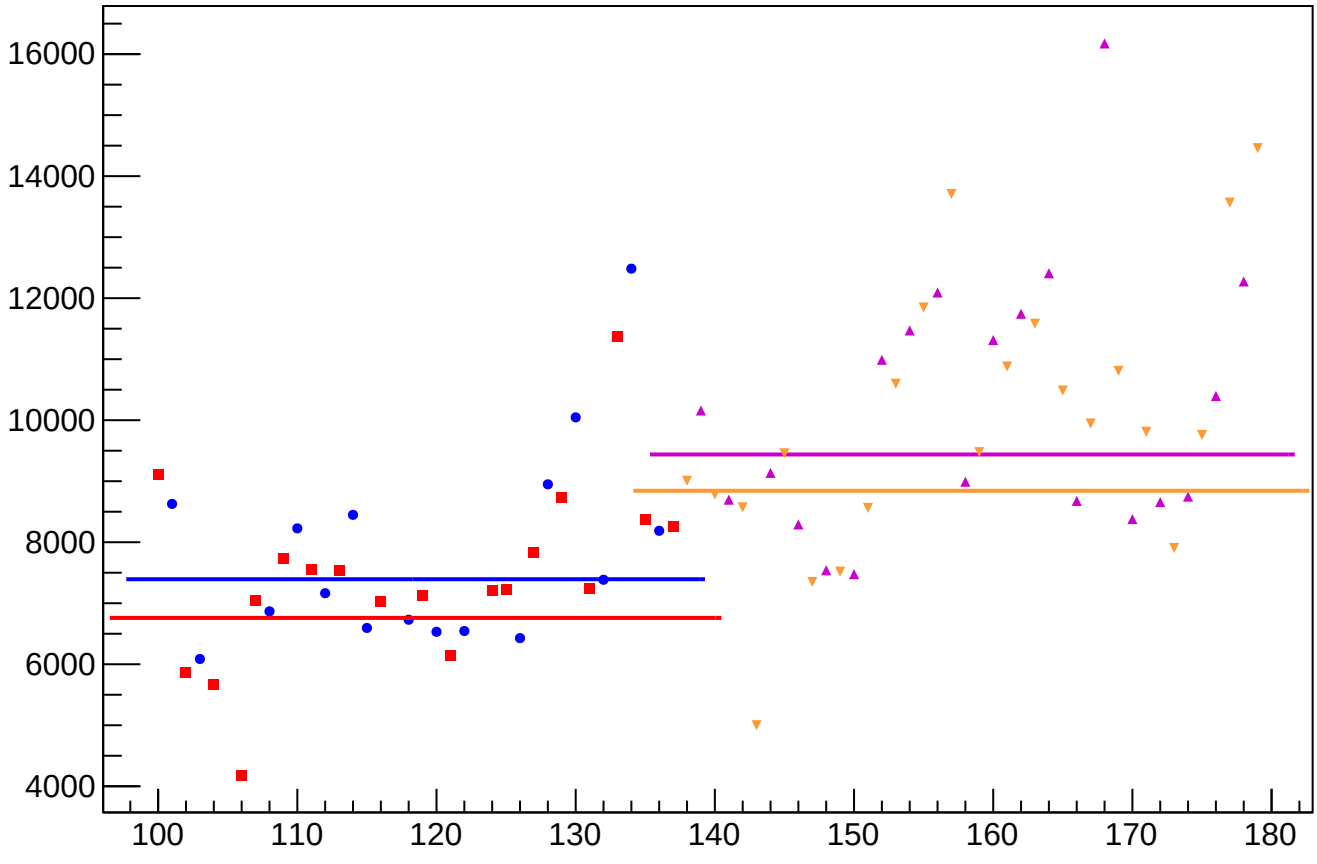
In: 3133.887+/-384.246 χ^2/NDF:19.3/35

Out: 1249.117+/-369.994 χ^2/NDF:61.5/40

All: 2155.900+/-266.521 χ^2/NDF: 93.3/76


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1887.347+/-0.321 χ²/NDF:326550.0/21
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1918.839+/-0.337 χ²/NDF:140225.0/19
Left: 1902.342+/-0.232 χ²/NDF: 471361.4/41
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1851.650+/-0.272 χ²/NDF:620304.4/35
Out: 1822.961+/-0.262 χ²/NDF:732205.0/40
All: 1836.762+/-0.188 χ²/NDF: 1358295.3/76


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 130.708+/-2199.051 χ²/NDF:26.3/21
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 602.790+/-2383.443 χ²/NDF:11.7/19
Left: 347.784+/-1616.225 χ²/NDF: 38.1/41
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -474.116+/-1814.475 χ²/NDF:26.6/35
Out: 103.786+/-1659.589 χ²/NDF:42.4/40
All: -159.452+/-1224.609 χ²/NDF: 69.1/76



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8843.389+/-1.555 χ^2/NDF:2191948.3/21

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9438.660+/-1.685 χ^2/NDF:1086744.9/19

Left: 9117.110+/-1.143 χ^2/NDF: 3346081.5/41

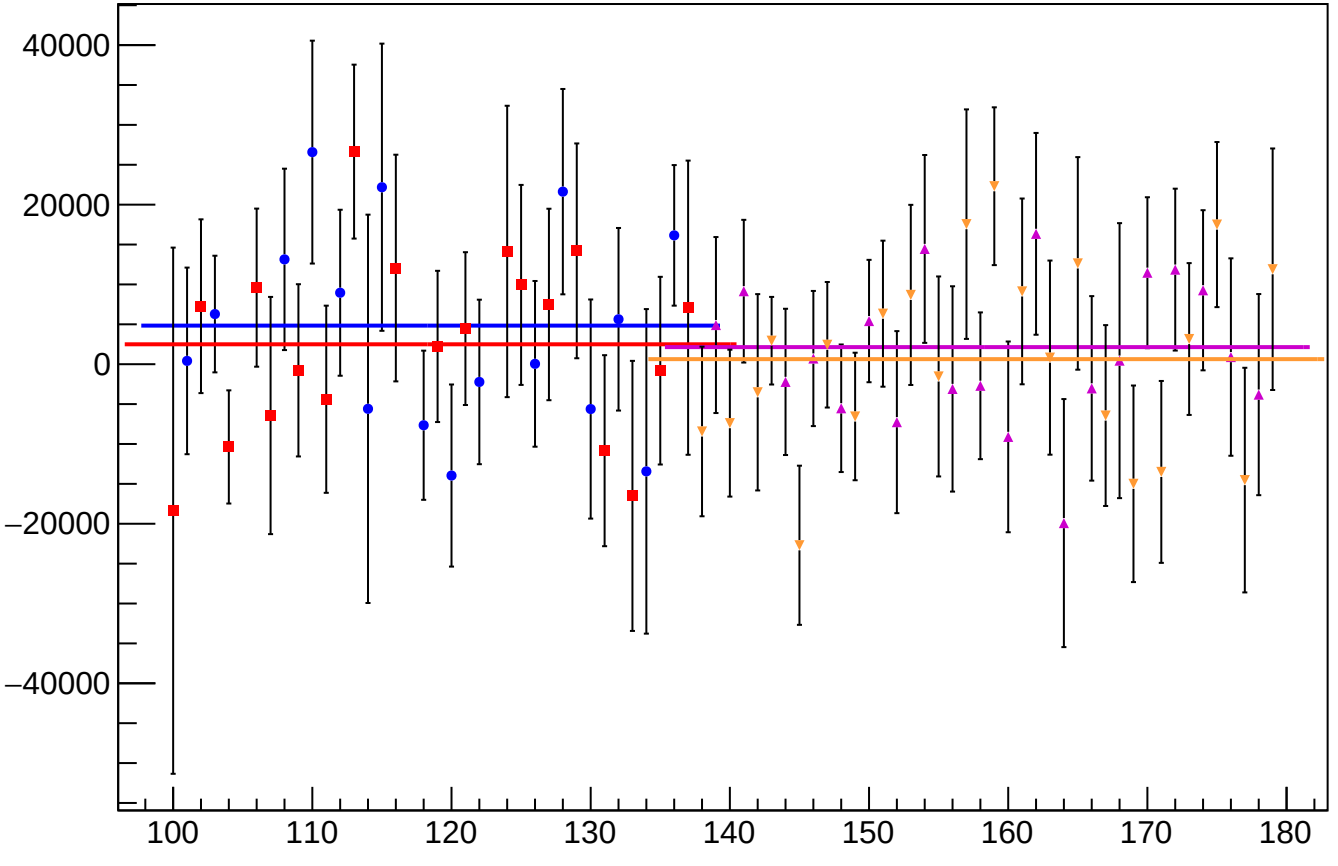
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8578.820+/-1.283 χ^2/NDF:2107648.7/35

Out: 7946.338+/-1.174 χ^2/NDF:3609397.2/40

All: 8234.437+/-0.866 χ^2/NDF: 5849364.0/76

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 634.614+/-2156.244 χ^2/NDF:24.5/21

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2141.529+/-2332.489 χ^2/NDF:11.2/19

Left: 1328.995+/-1583.340 χ^2/NDF: 36.0/41

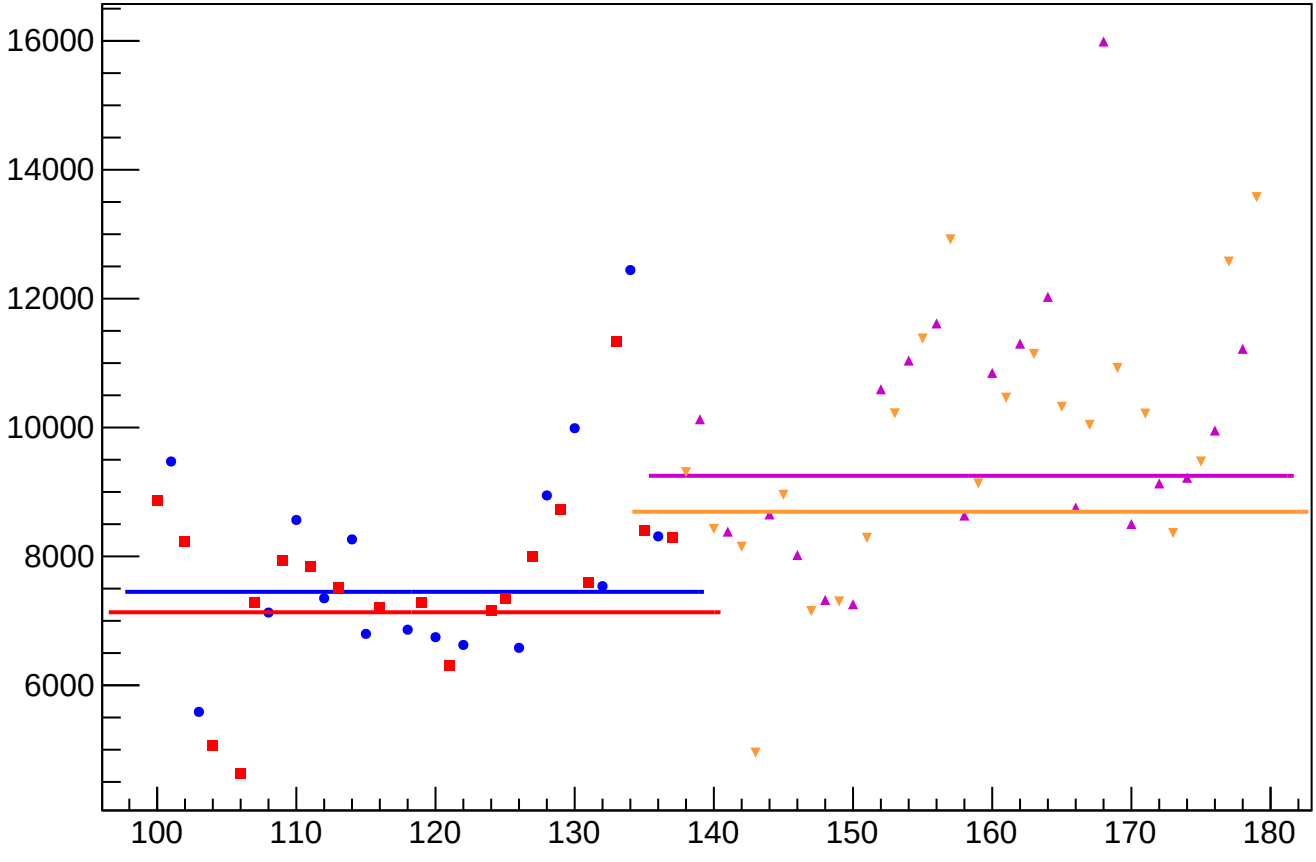
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3232.720+/-1799.647 χ^2/NDF:26.1/35

Out: 1360.874+/-1683.799 χ^2/NDF:39.8/40

All: 2234.614+/-1229.542 χ^2/NDF: 66.4/76

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8693.023+/-1.525 χ^2/NDF:2047889.6/21

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9251.001+/-1.649 χ^2/NDF:1013238.3/19

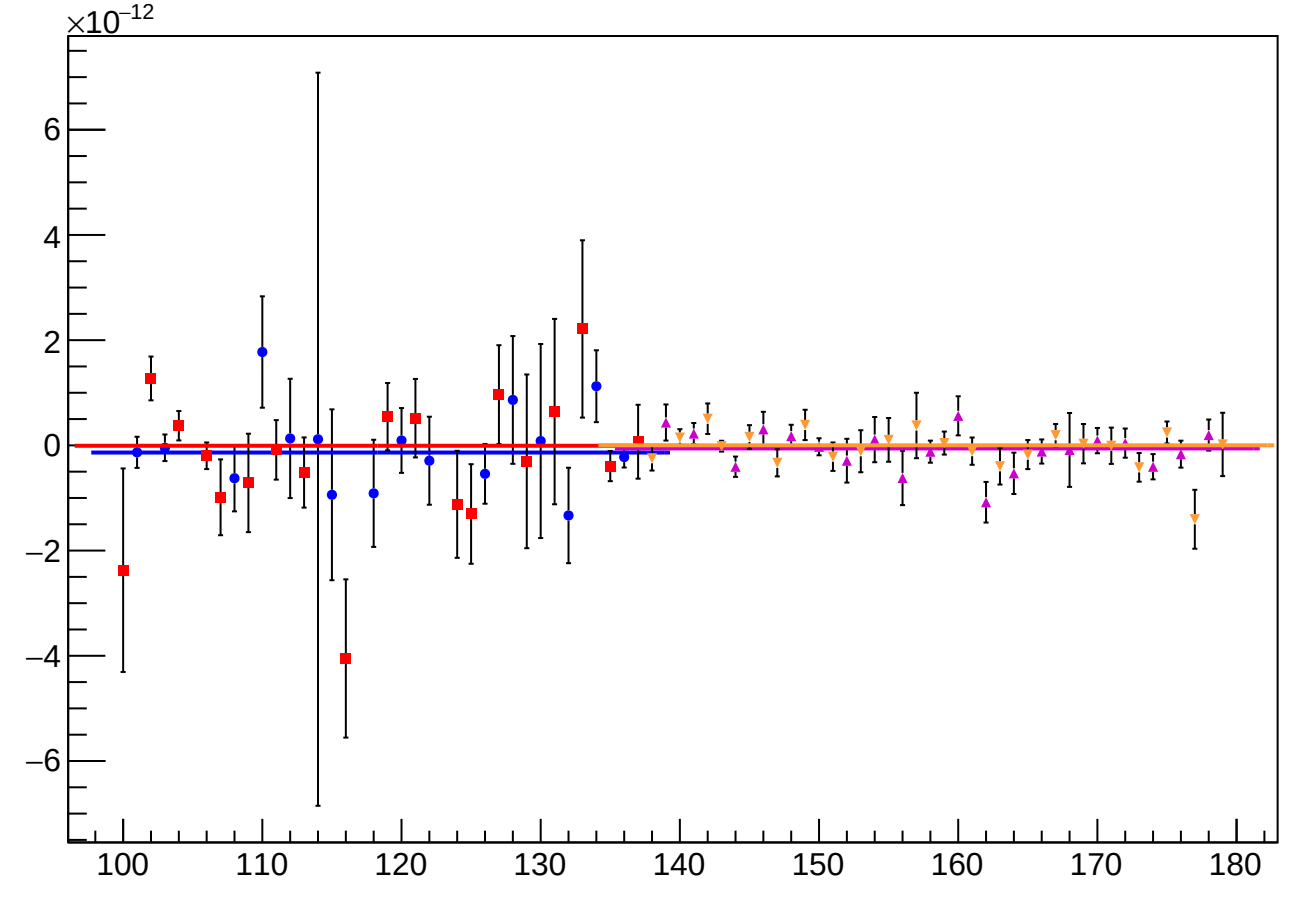
Left: 8950.138+/-1.120 χ^2/NDF: 3122841.0/41

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8522.121+/-1.273 χ^2/NDF:1982240.2/35

Out: 8084.288+/-1.191 χ^2/NDF:3013353.8/40

All: 8288.655+/-0.869 χ^2/NDF: 5058717.5/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:26.2/19

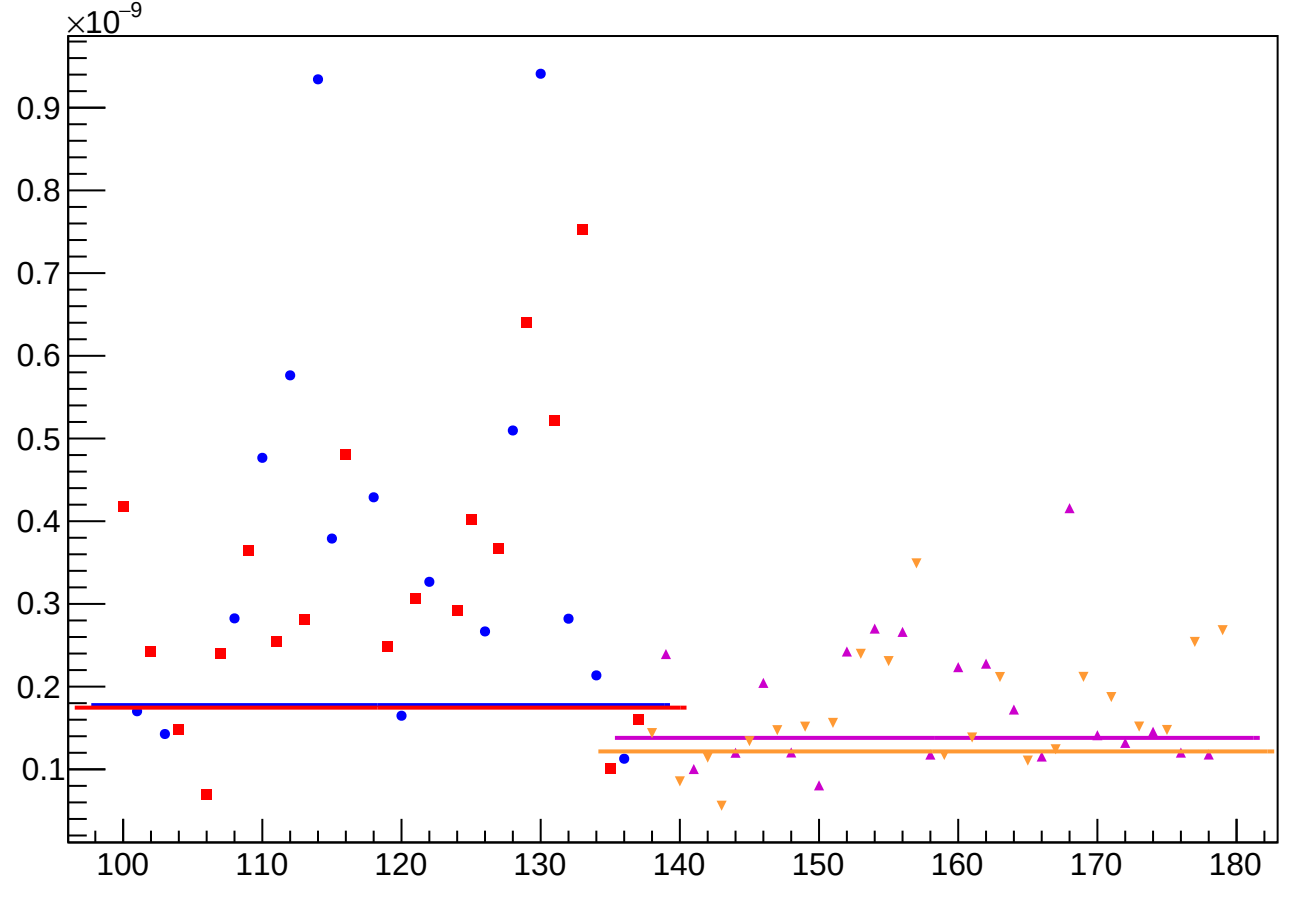
Left: -0.000+/-0.000 χ^2/NDF: 49.7/41

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:38.2/35

Out: -0.000+/-0.000 χ^2/NDF:55.7/40

All: -0.000+/-0.000 χ^2/NDF: 94.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2210682.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1646839.7/19

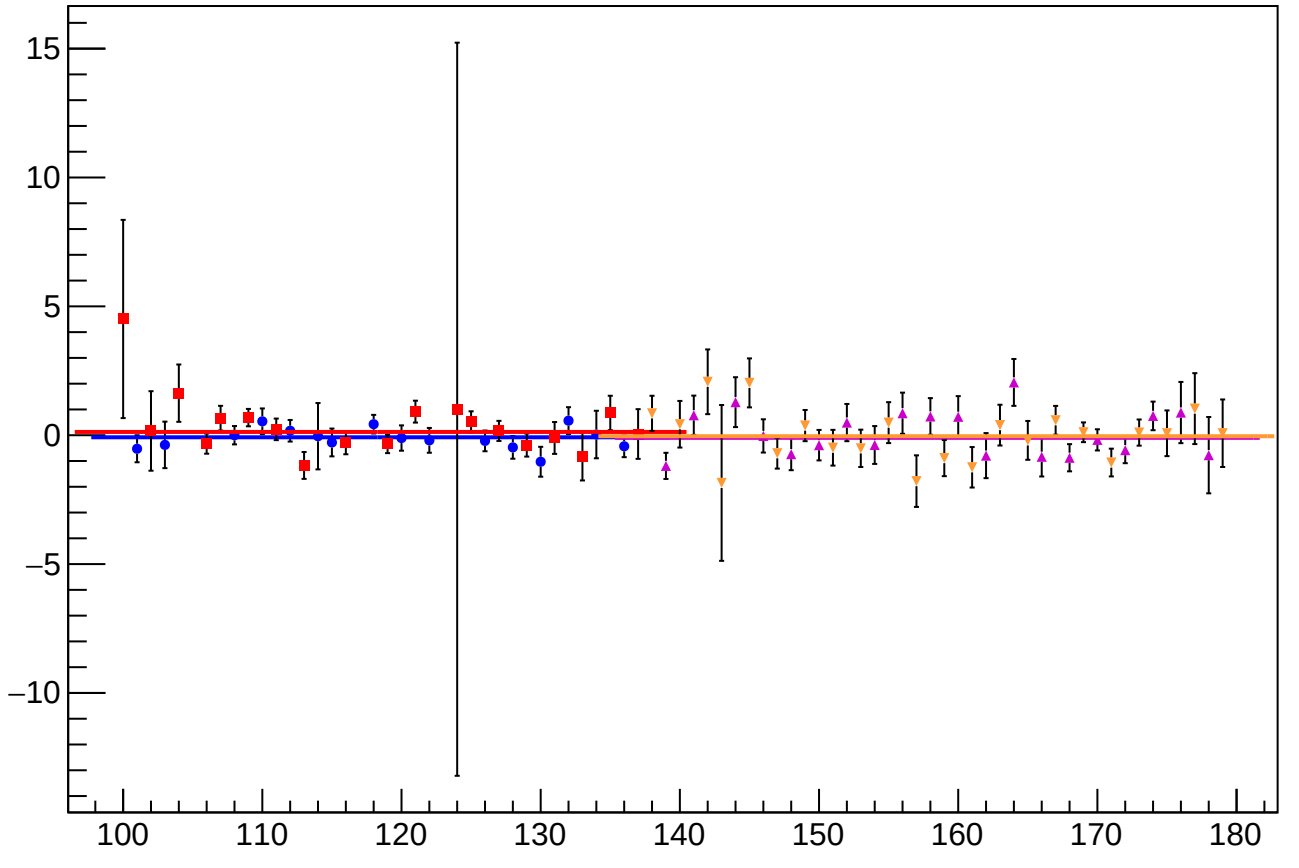
Left: 0.000+/-0.000 χ^2/NDF: 3943946.3/41

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3352313.6/35

Out: 0.000+/-0.000 χ^2/NDF:4167063.8/40

All: 0.000+/-0.000 χ^2/NDF: 7623461.1/76



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.101+/-0.148 χ^2/NDF:27.3/19

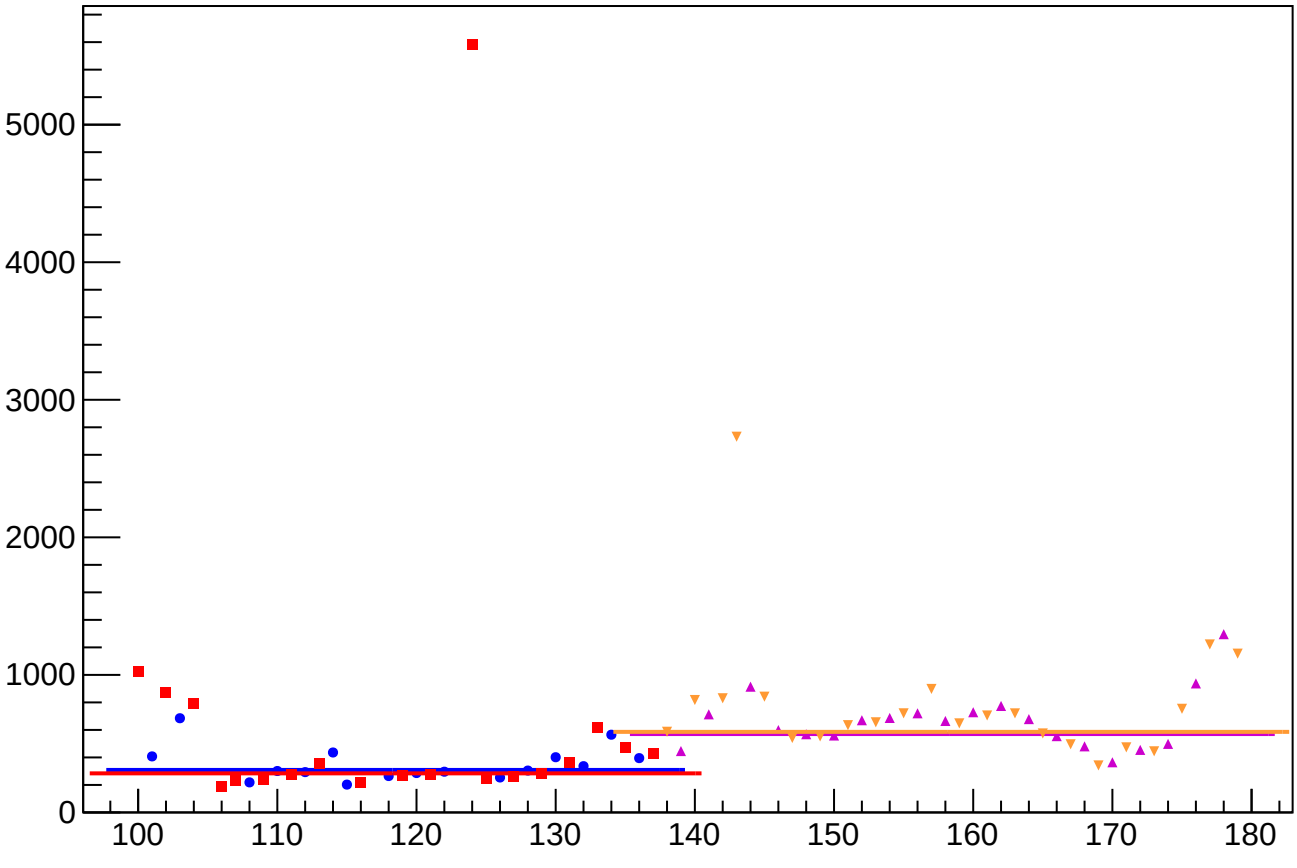
Left: -0.070+/-0.106 χ^2/NDF: 53.2/41

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.010+/-0.066 χ^2/NDF: 91.2/76



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759535.9/21

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 569.992+/-0.105 χ^2/NDF:2225928.8/19

Left: 577.813+/-0.075 χ^2/NDF: 5996752.6/41

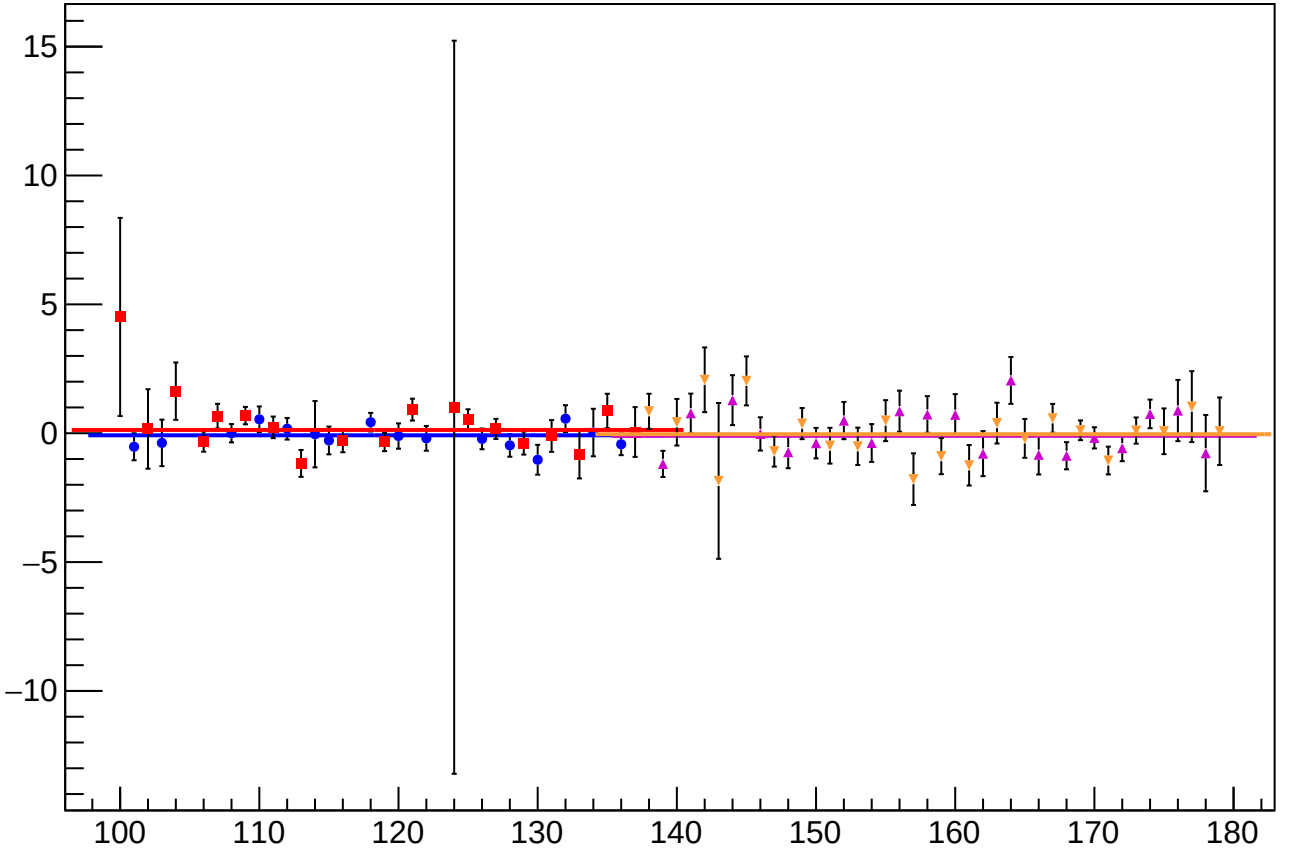
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 414.220+/-0.067 χ^2/NDF:6934122.8/35

Out: 397.649+/-0.065 χ^2/NDF:10624601.9/40

All: 405.773+/-0.047 χ^2/NDF: 17590296.5/76

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.038+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.101+/-0.148 χ^2/NDF:27.3/19

Left: -0.070+/-0.106 χ^2/NDF: 53.2/41

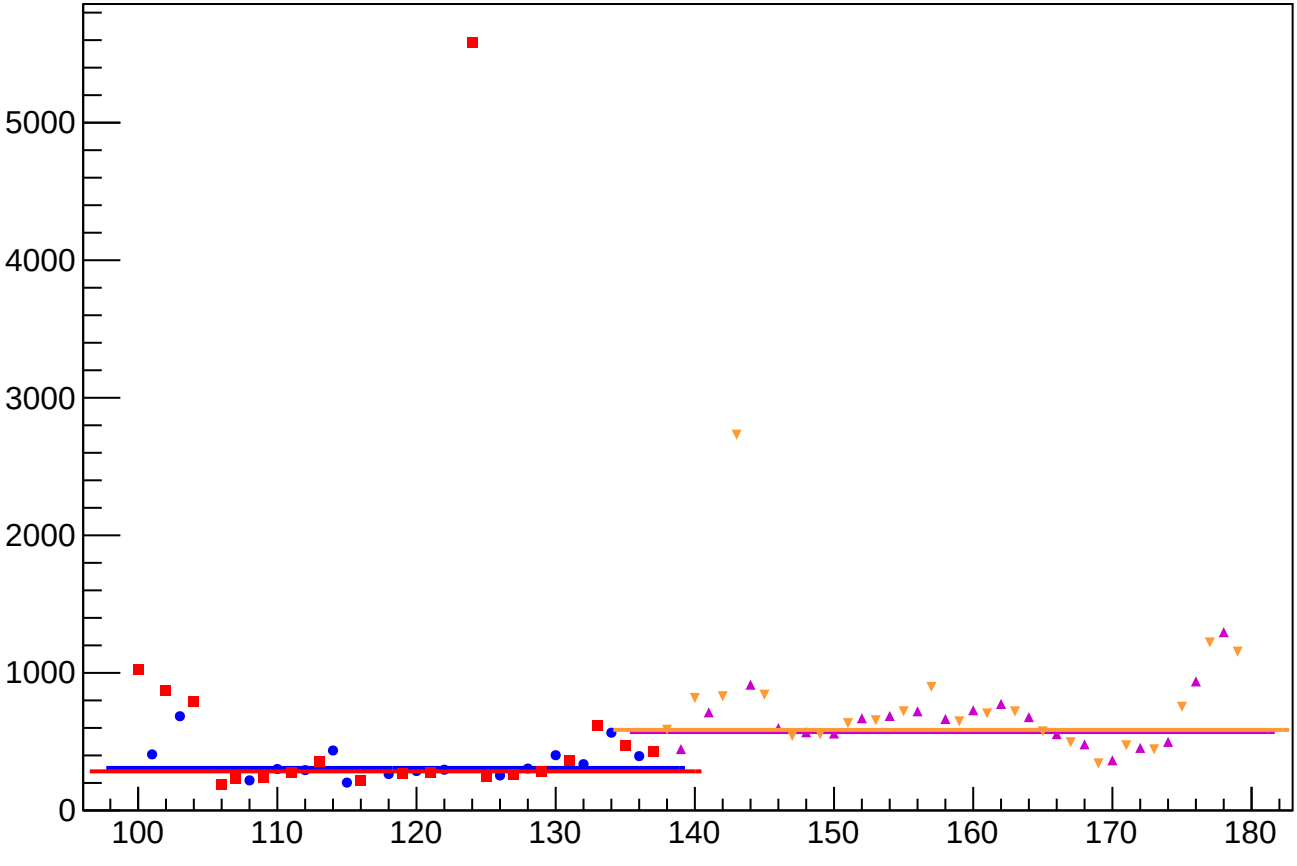
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.010+/-0.066 χ^2/NDF: 91.2/76

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759535.9/21

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 569.992+/-0.105 χ^2/NDF:2225928.8/19

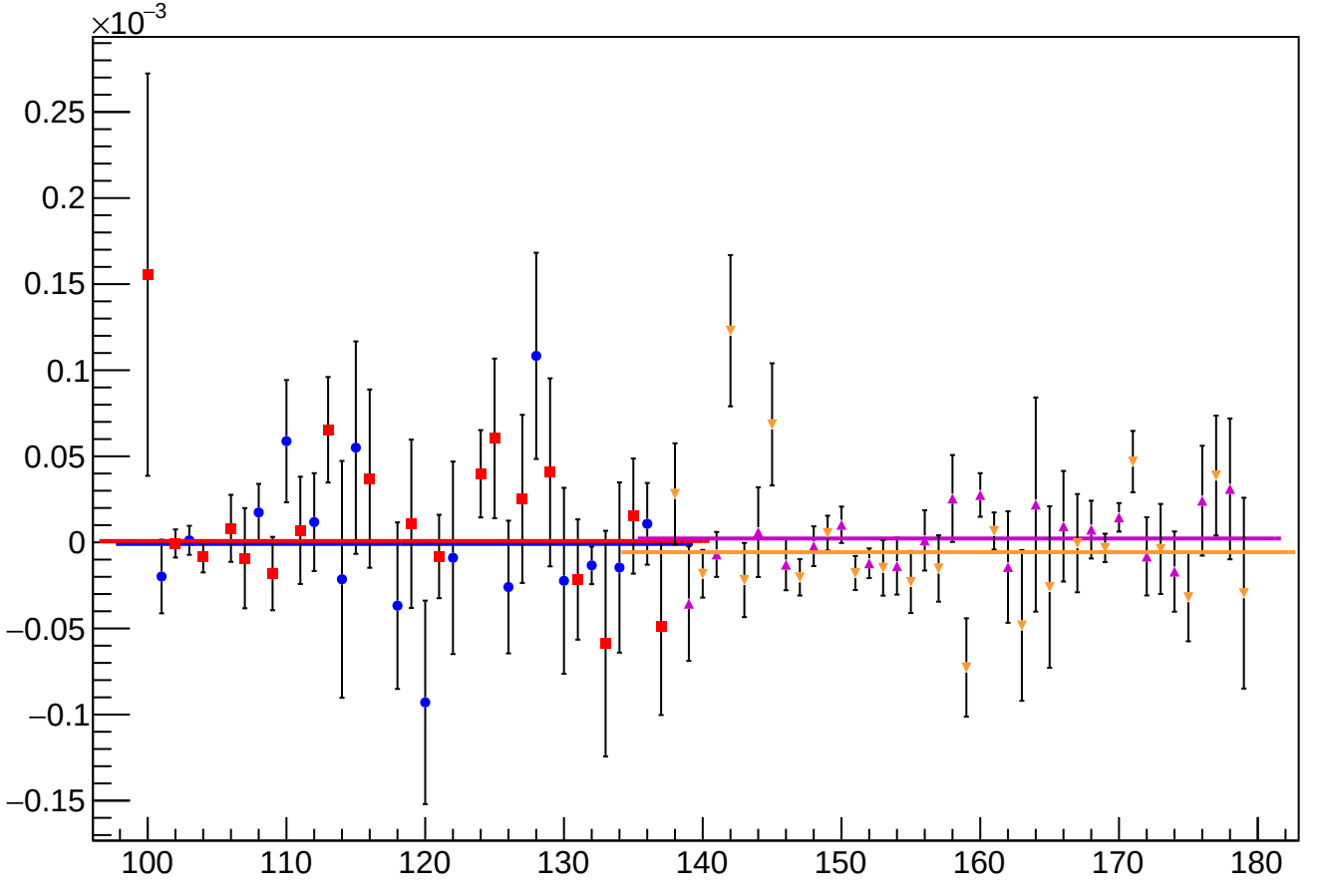
Left: 577.813+/-0.075 χ^2/NDF: 5996752.6/41

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 414.220+/-0.067 χ^2/NDF:6934122.8/35

Out: 397.649+/-0.065 χ^2/NDF:10624601.9/40

All: 405.773+/-0.047 χ^2/NDF: 17590296.5/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/19

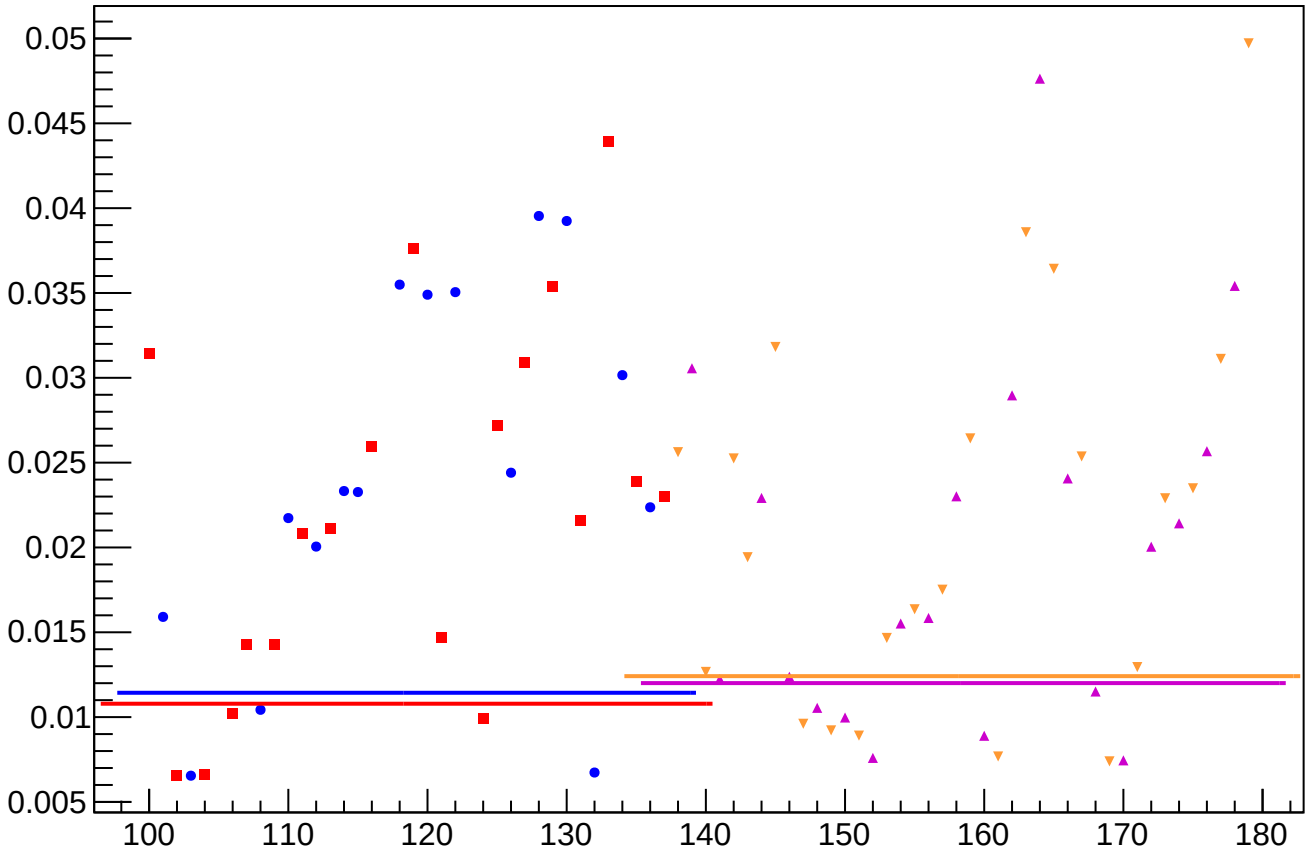
Left: -0.000+/-0.000 χ^2/NDF: 60.8/41

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:31.5/35

Out: -0.000+/-0.000 χ^2/NDF:58.8/40

All: -0.000+/-0.000 χ^2/NDF: 91.6/76



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:7695854.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:5986719.4/19

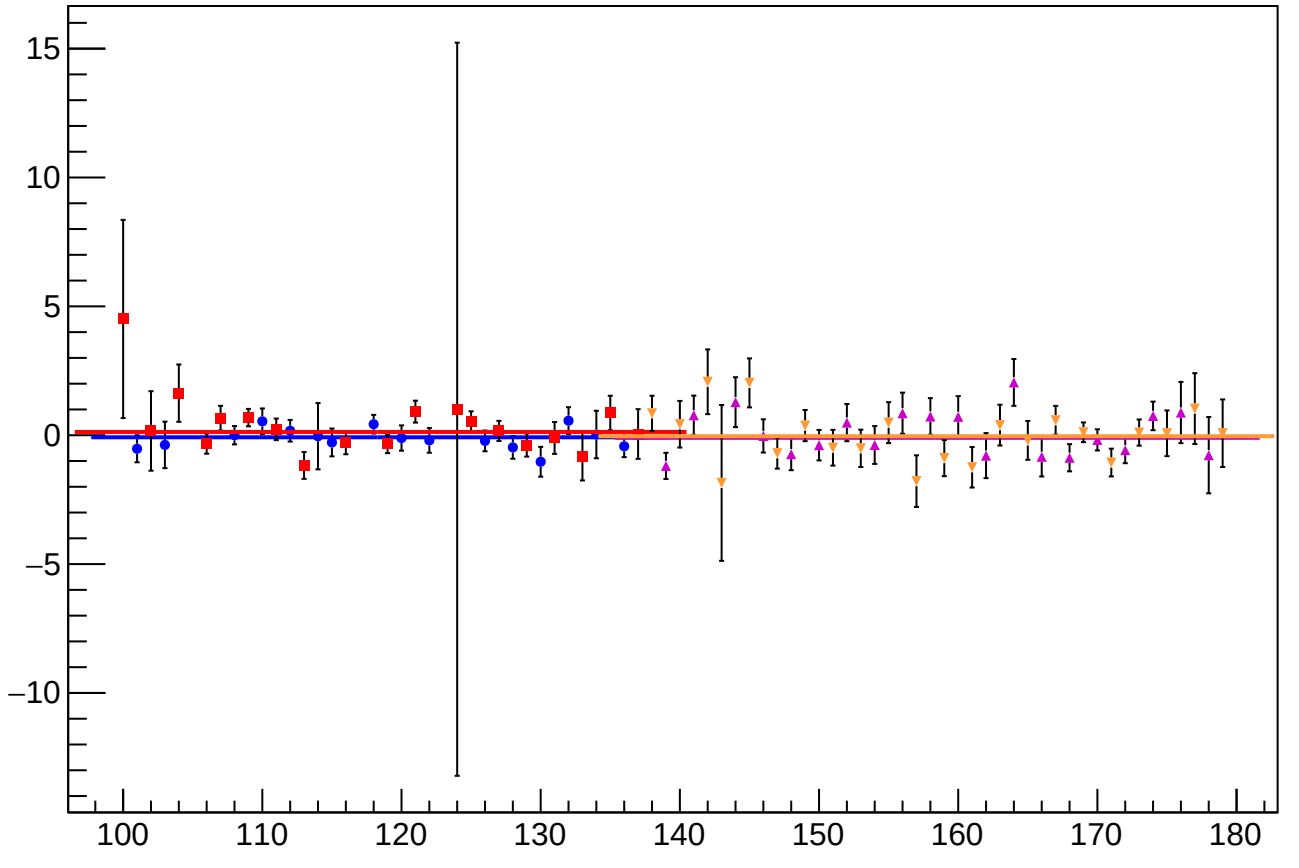
Left: 0.012+/-0.000 χ^2/NDF: 13696483.6/41

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:10702775.1/35

Out: 0.012+/-0.000 χ^2/NDF:12318115.0/40

All: 0.012+/-0.000 χ^2/NDF: 23020973.2/76



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.101+/-0.148 χ^2/NDF:27.3/19

Left: -0.070+/-0.106 χ^2/NDF: 53.2/41

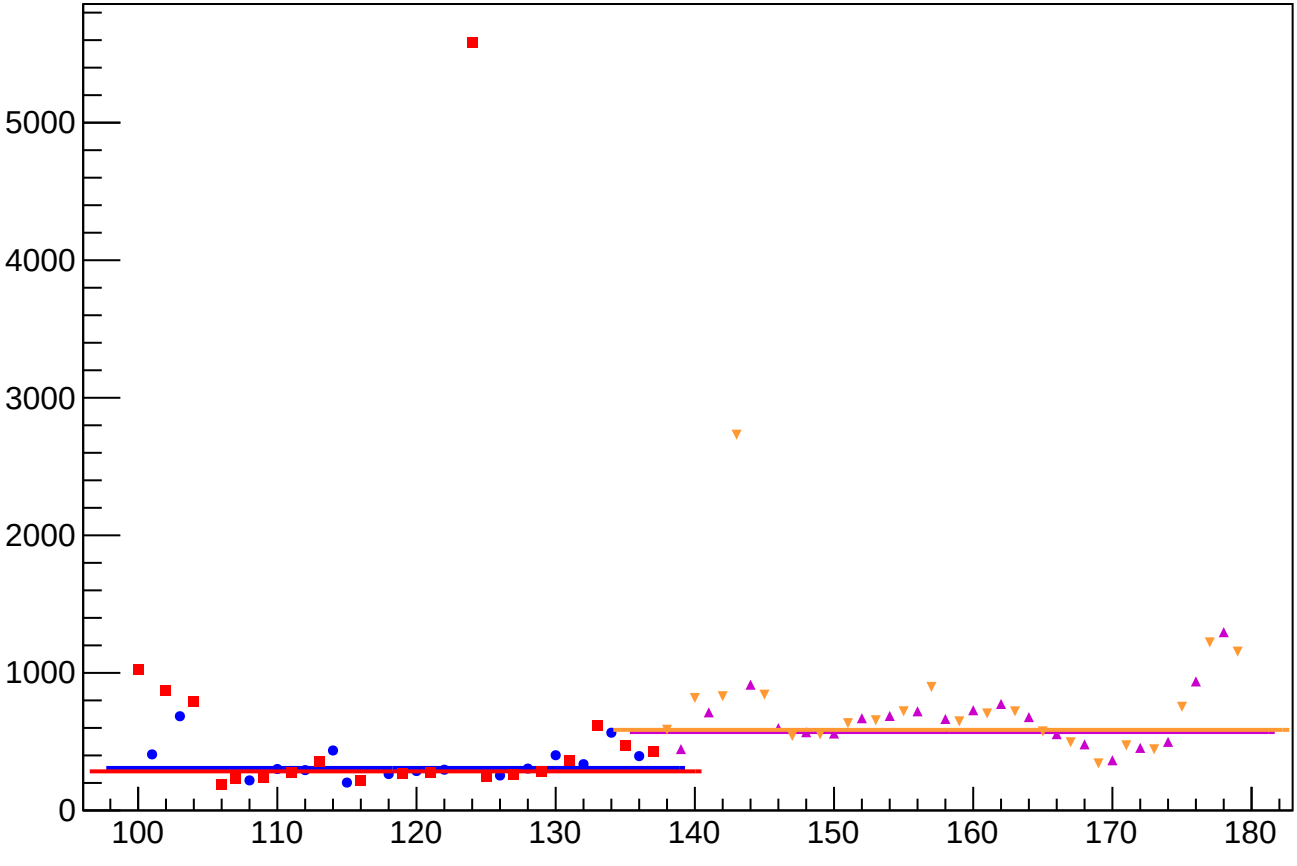
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.010+/-0.066 χ^2/NDF: 91.2/76

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 569.994+/-0.105 χ^2/NDF:2226038.3/19

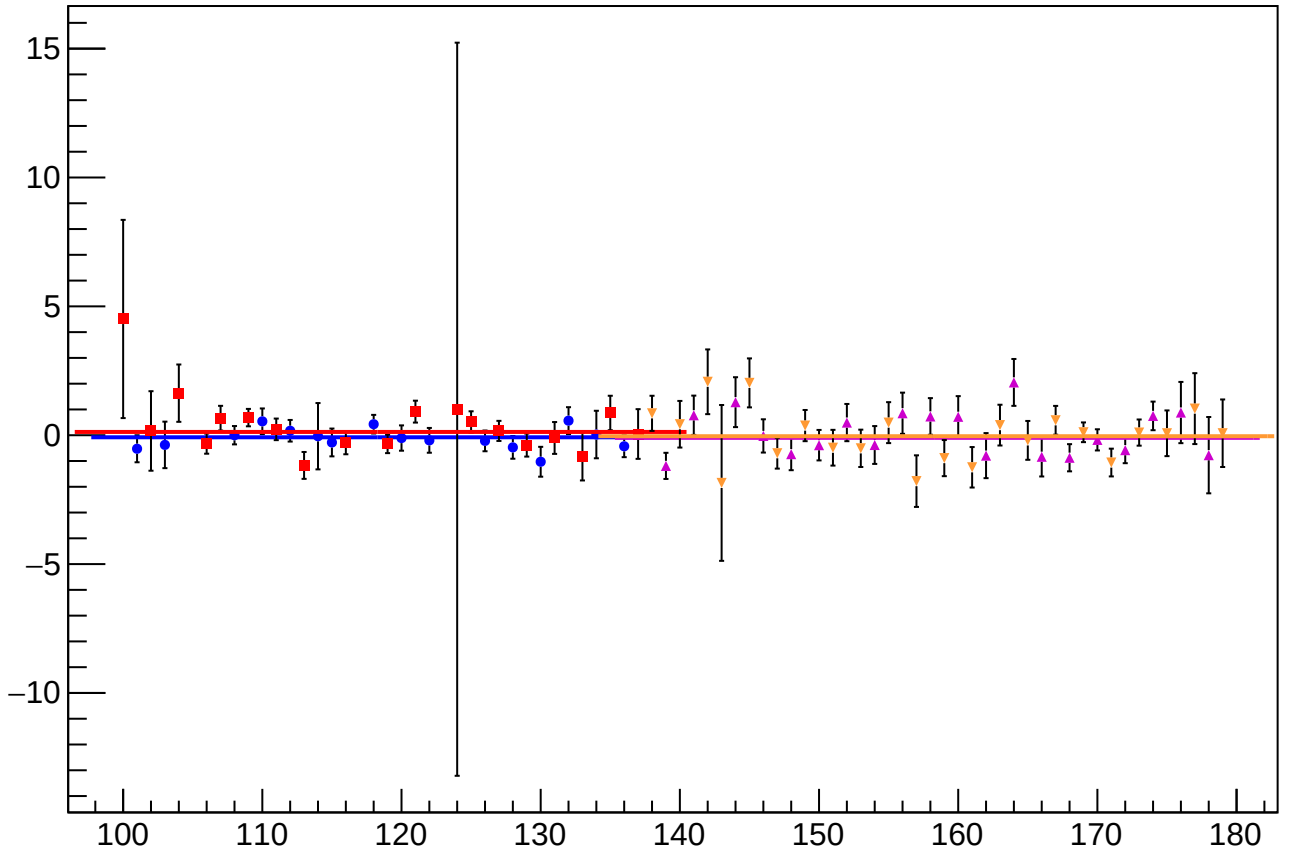
Left: 577.814+/-0.075 χ^2/NDF: 5997052.0/41

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 414.219+/-0.067 χ^2/NDF:6934276.8/35

Out: 397.648+/-0.065 χ^2/NDF:10624791.0/40

All: 405.772+/-0.047 χ^2/NDF: 17590642.0/76



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.039+/-0.151 χ^2/NDF:25.7/21

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.101+/-0.148 χ^2/NDF:27.3/19

Left: -0.070+/-0.106 χ^2/NDF: 53.2/41

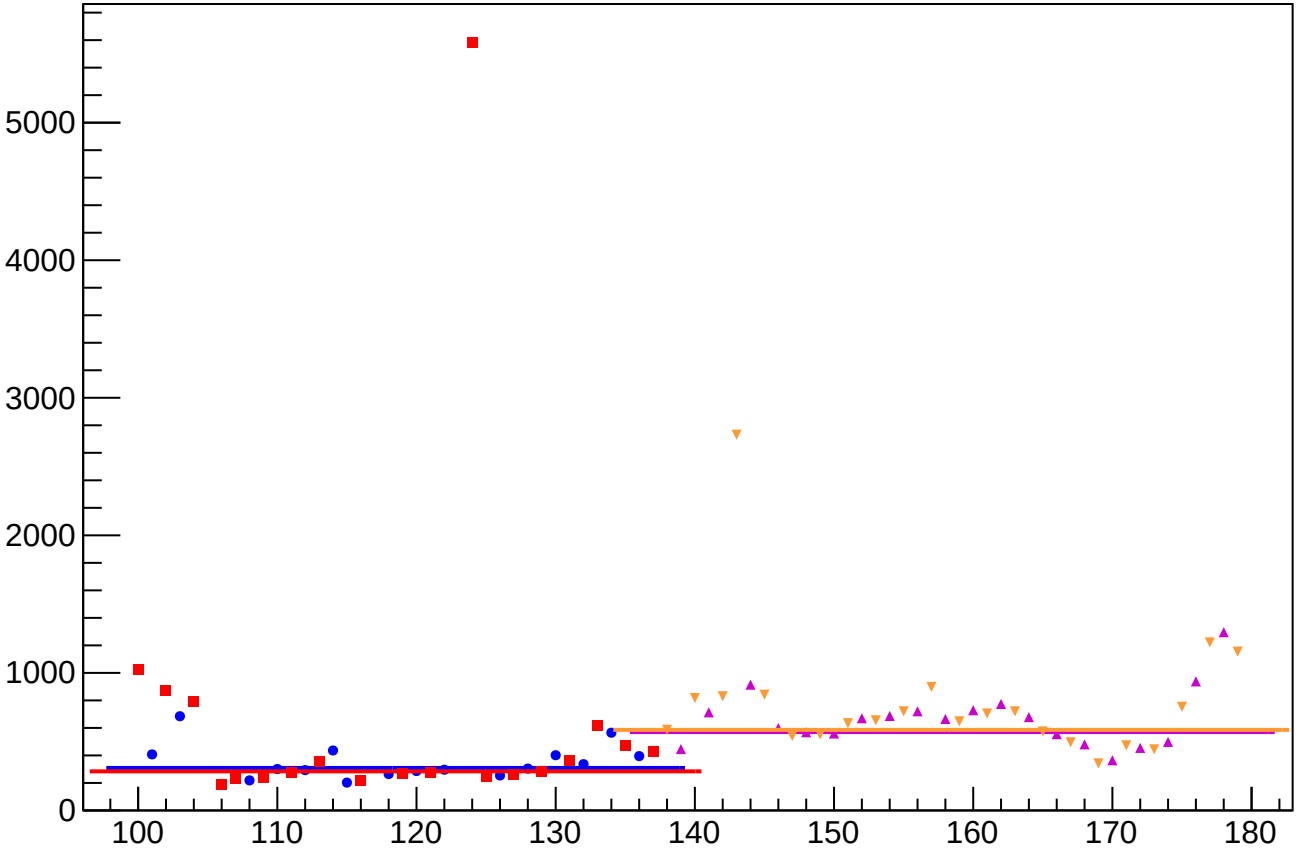
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.092 χ^2/NDF:51.8/40

All: -0.010+/-0.066 χ^2/NDF: 91.2/76

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 585.872+/-0.106 χ^2/NDF:3759729.7/21

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 569.994+/-0.105 χ^2/NDF:2226038.3/19

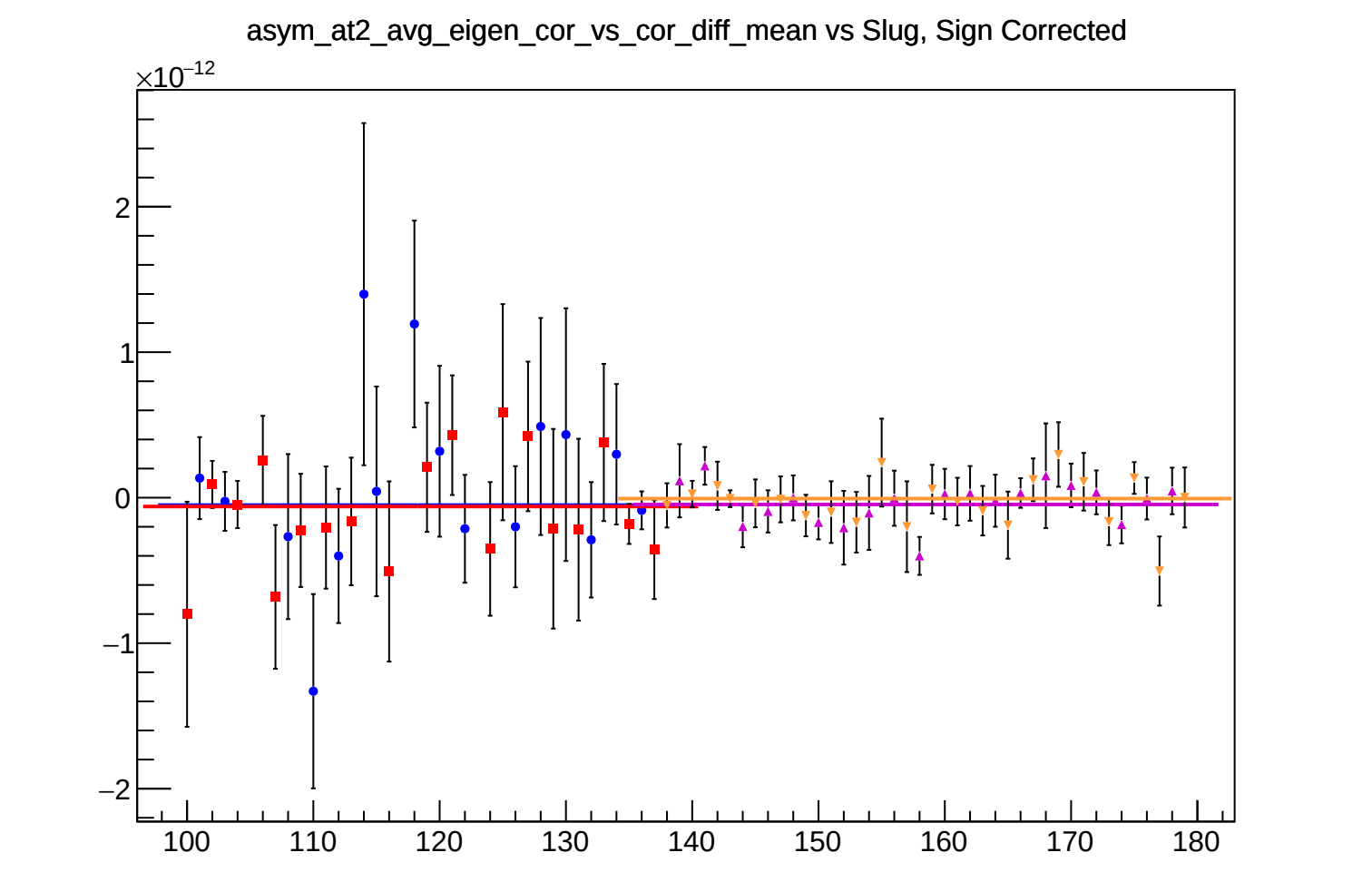
Left: 577.814+/-0.075 χ^2/NDF: 5997052.0/41

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 414.219+/-0.067 χ^2/NDF:6934276.8/35

Out: 397.648+/-0.065 χ^2/NDF:10624791.0/40

All: 405.772+/-0.047 χ^2/NDF: 17590642.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/19

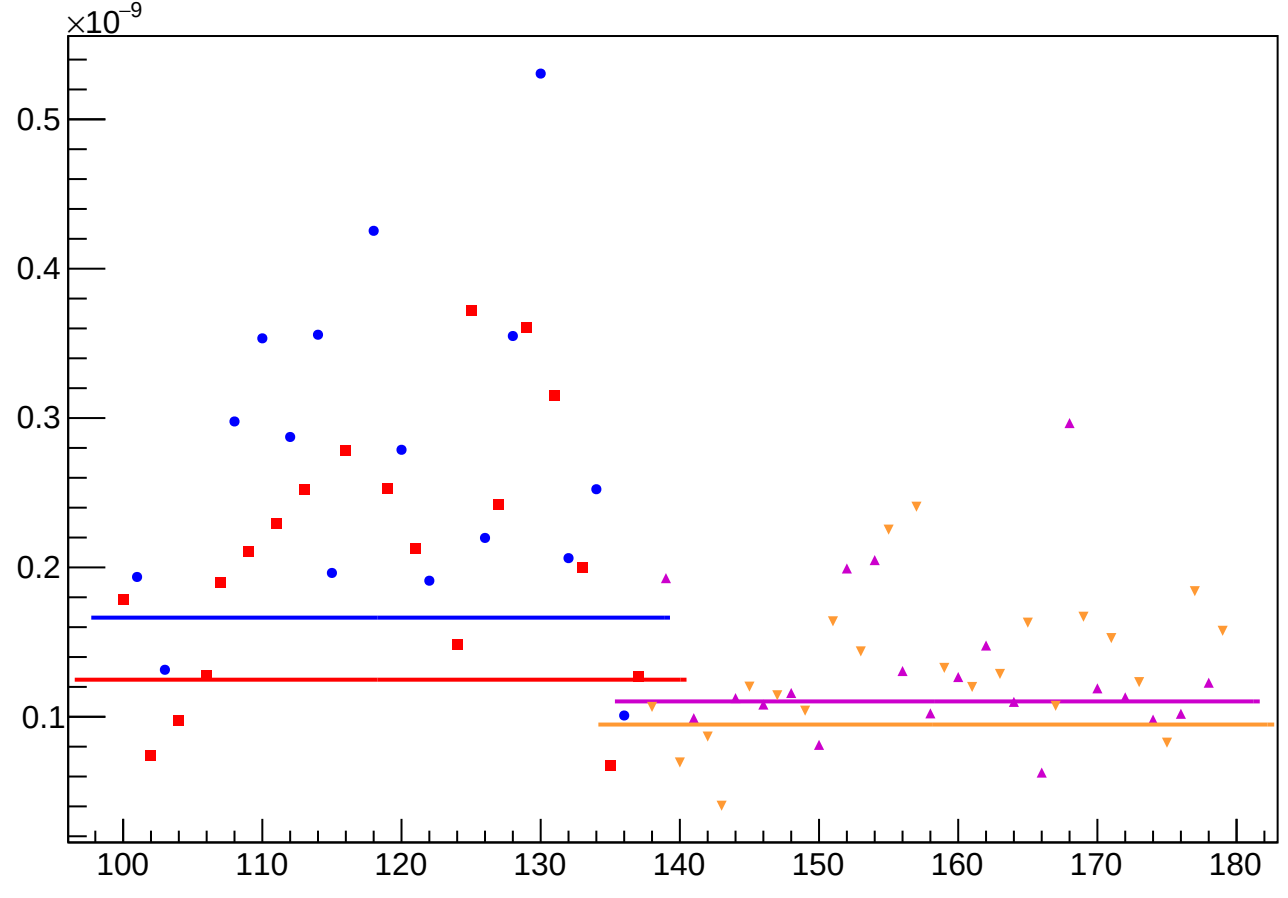
Left: -0.000+/-0.000 χ^2/NDF: 33.7/41

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.7/35

Out: -0.000+/-0.000 χ^2/NDF:26.1/40

All: -0.000+/-0.000 χ^2/NDF: 57.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4527119.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2029419.9/19

Left: 0.000+/-0.000 χ^2/NDF: 6782537.9/41

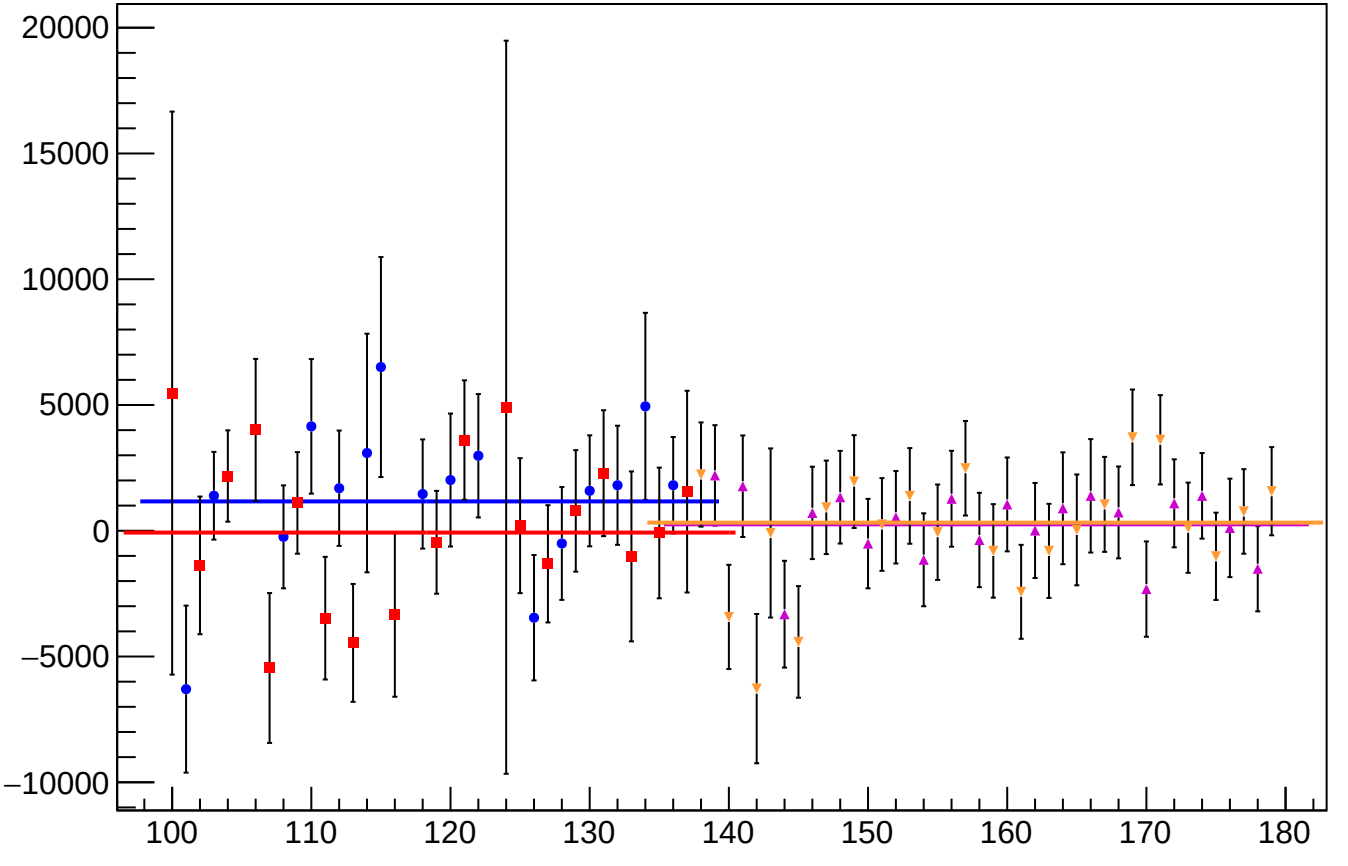
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4769190.5/35

Out: 0.000+/-0.000 χ^2/NDF:7045875.7/40

All: 0.000+/-0.000 χ^2/NDF: 12204748.2/76

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.415+/-413.402 χ^2/NDF:27.1/21

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 255.636+/-422.612 χ^2/NDF:10.1/19

Left: 290.783+/-295.522 χ^2/NDF: 37.3/41

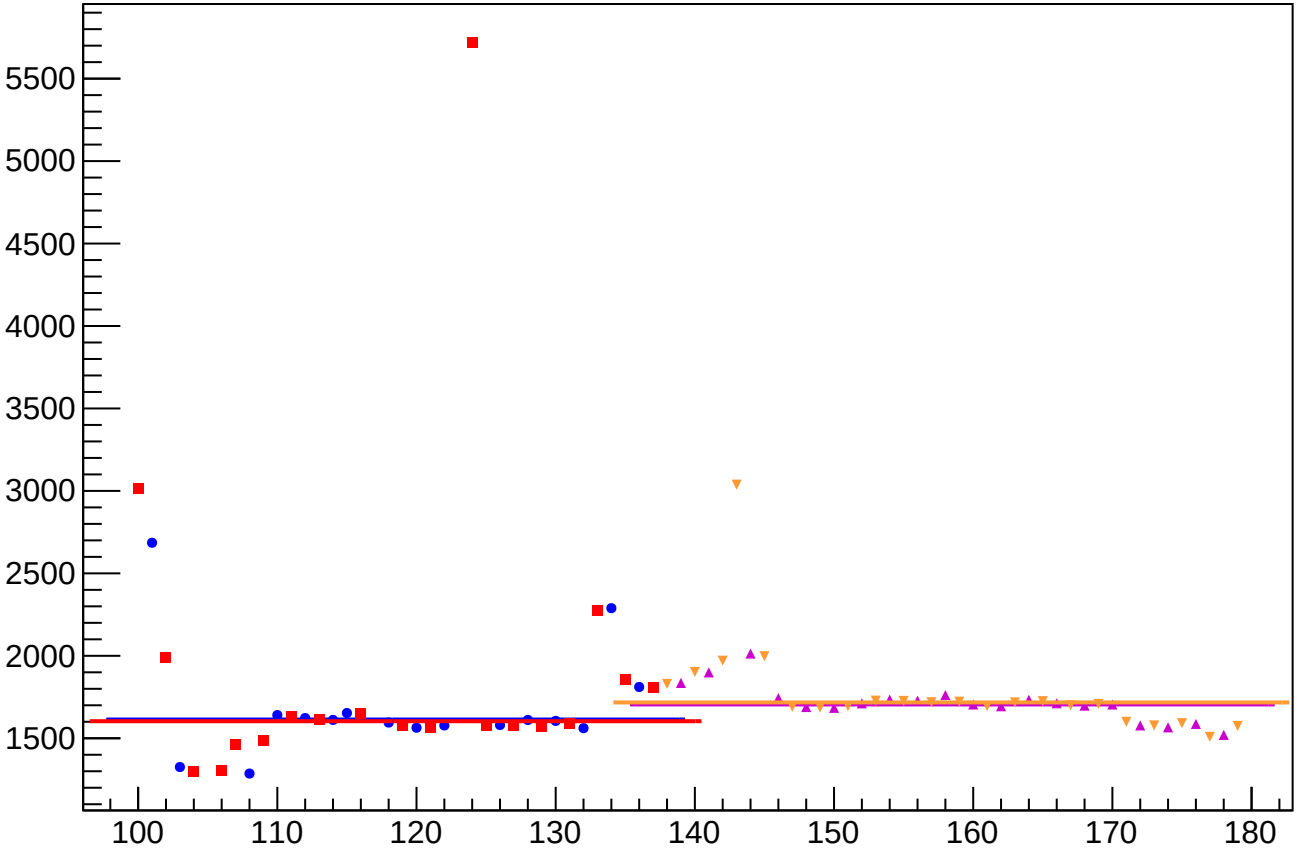
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 551.704+/-347.234 χ^2/NDF:26.1/35

Out: 197.713+/-341.032 χ^2/NDF:45.7/40

All: 371.519+/-243.309 χ^2/NDF: 72.3/76

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

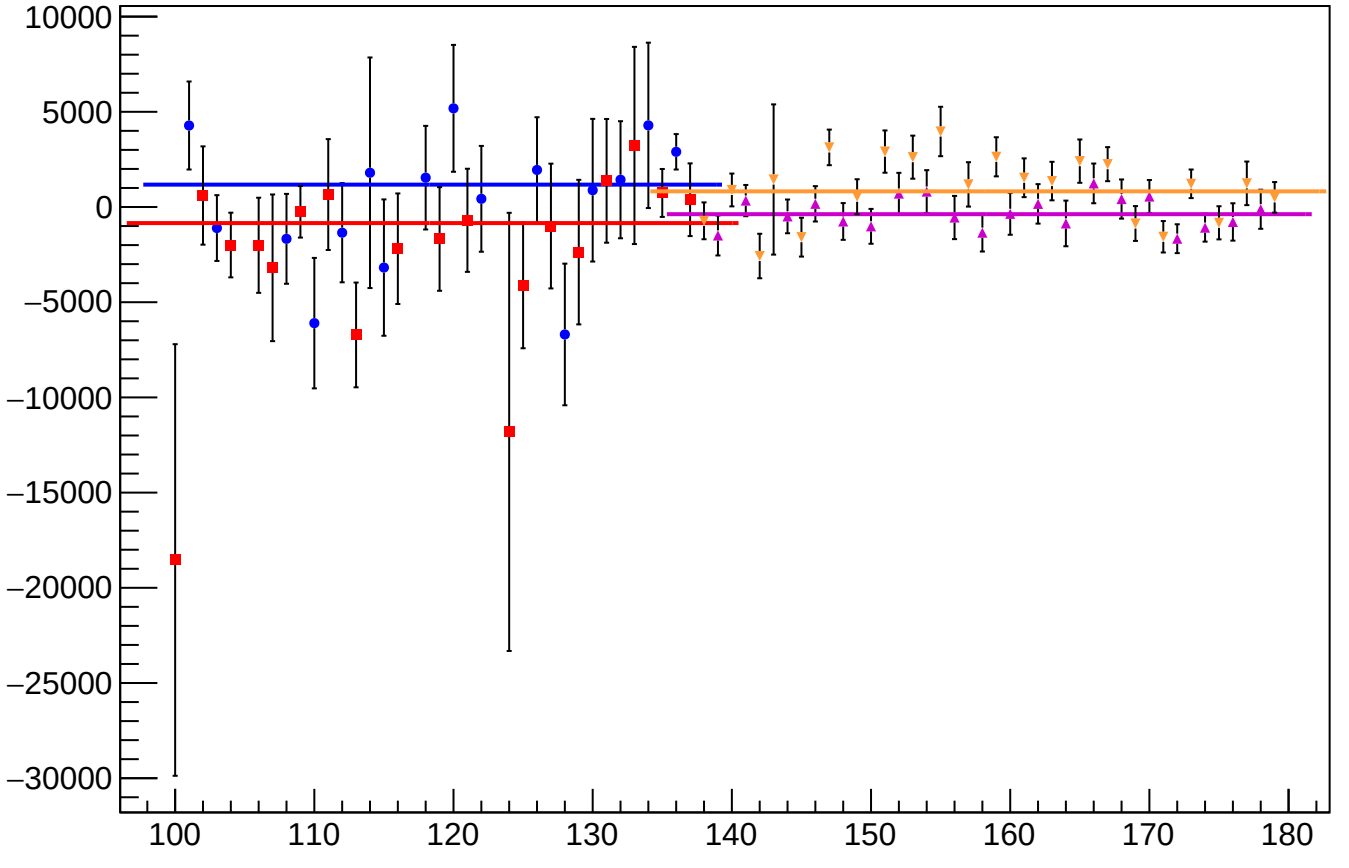
Left: 1711.349+/-0.209 χ^2/NDF: 583567.6/41

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1675.368+/-0.246 χ^2/NDF:563794.9/35

Out: 1680.978+/-0.241 χ^2/NDF:928279.6/40

All: 1678.223+/-0.172 χ^2/NDF: 1492340.2/76



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 823.311+/-211.239 χ^2/NDF:59.1/21

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -376.317+/-214.439 χ^2/NDF:14.6/19

Left: 232.516+/-150.487 χ^2/NDF: 89.6/41

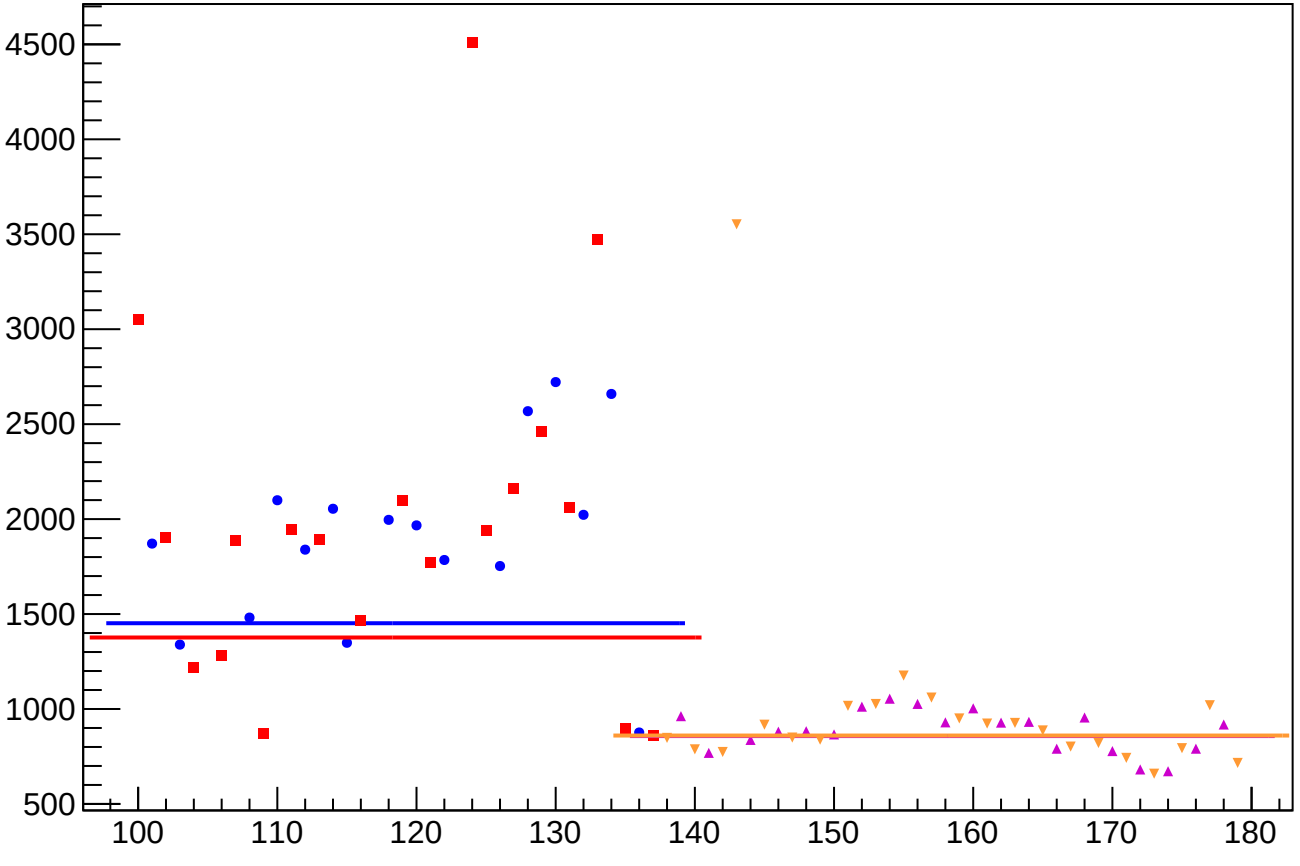
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -189.171+/-201.093 χ^2/NDF:42.9/35

Out: 613.968+/-197.532 χ^2/NDF:81.2/40

All: 219.574+/-140.918 χ^2/NDF: 132.3/76

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 860.204+/-0.149 χ^2/NDF:1568635.9/21

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 857.362+/-0.152 χ^2/NDF:549824.3/19

Left: 858.805+/-0.106 χ^2/NDF: 2118638.4/41

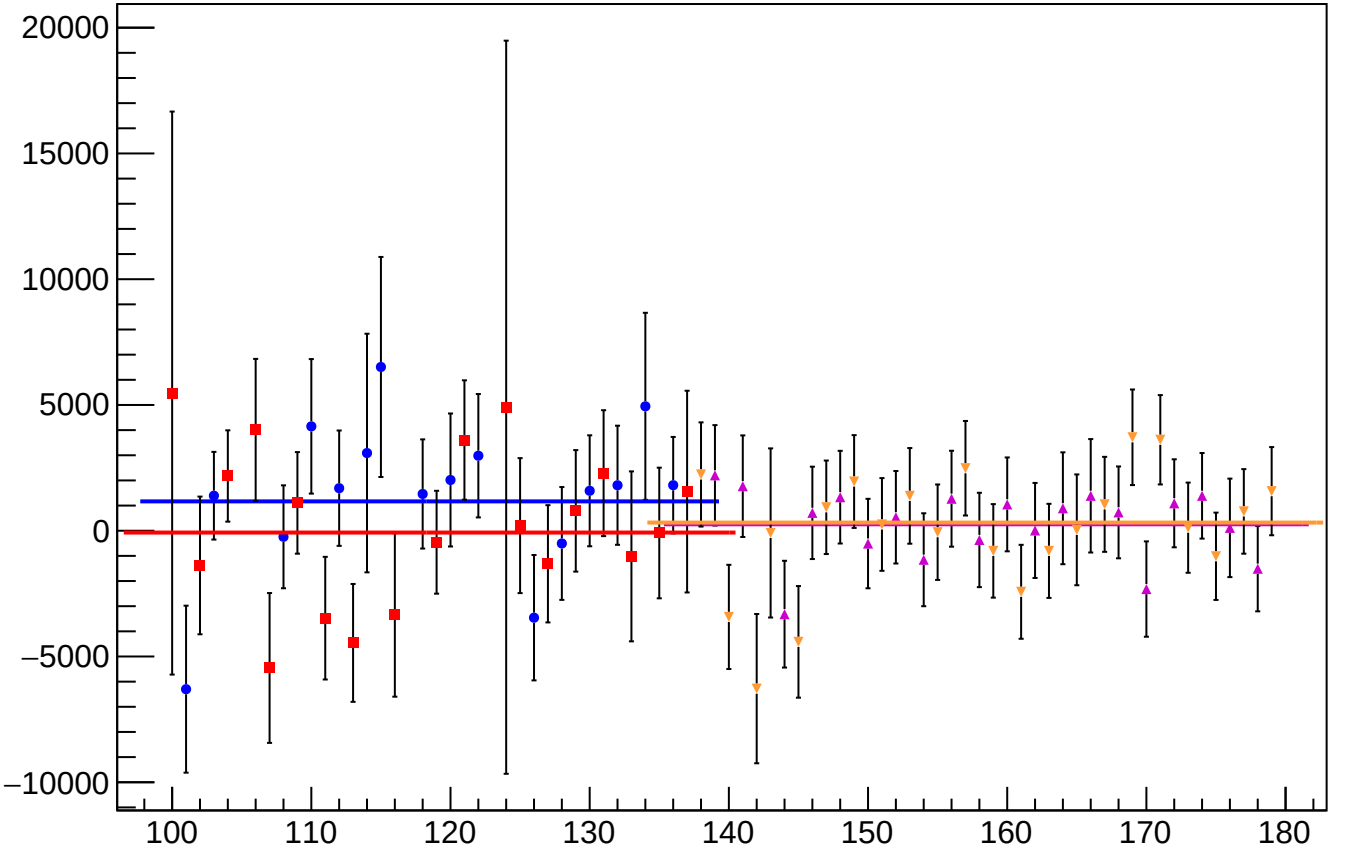
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 929.031+/-0.142 χ^2/NDF:4193052.2/35

Out: 925.030+/-0.140 χ^2/NDF:5200749.0/40

All: 926.995+/-0.100 χ^2/NDF: 9394204.0/76

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 255.561+/-422.612 χ^2/NDF:10.1/19

Left: 290.723+/-295.522 χ^2/NDF: 37.3/41

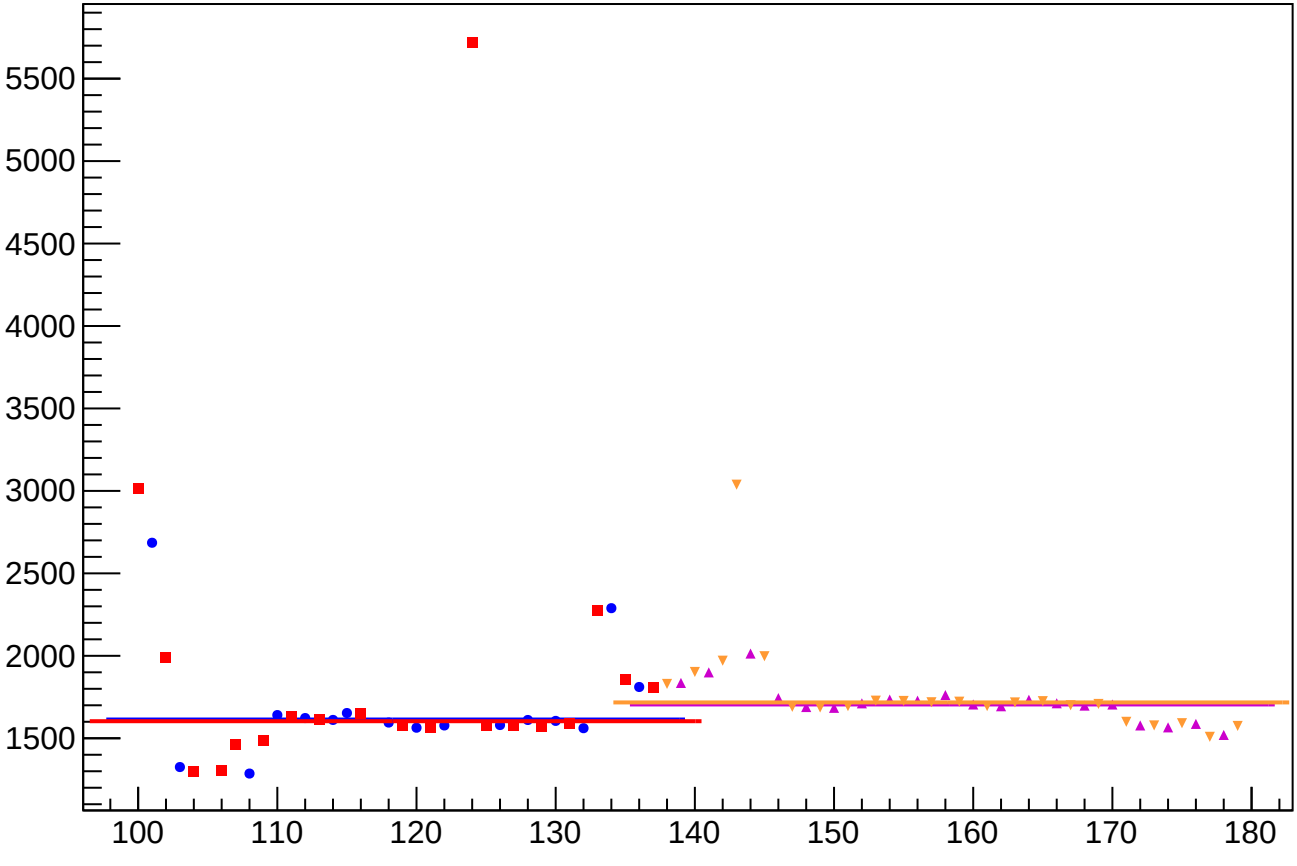
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 551.624+/-347.234 χ^2/NDF:26.1/35

Out: 197.580+/-341.032 χ^2/NDF:45.7/40

All: 371.412+/-243.309 χ^2/NDF: 72.3/76

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

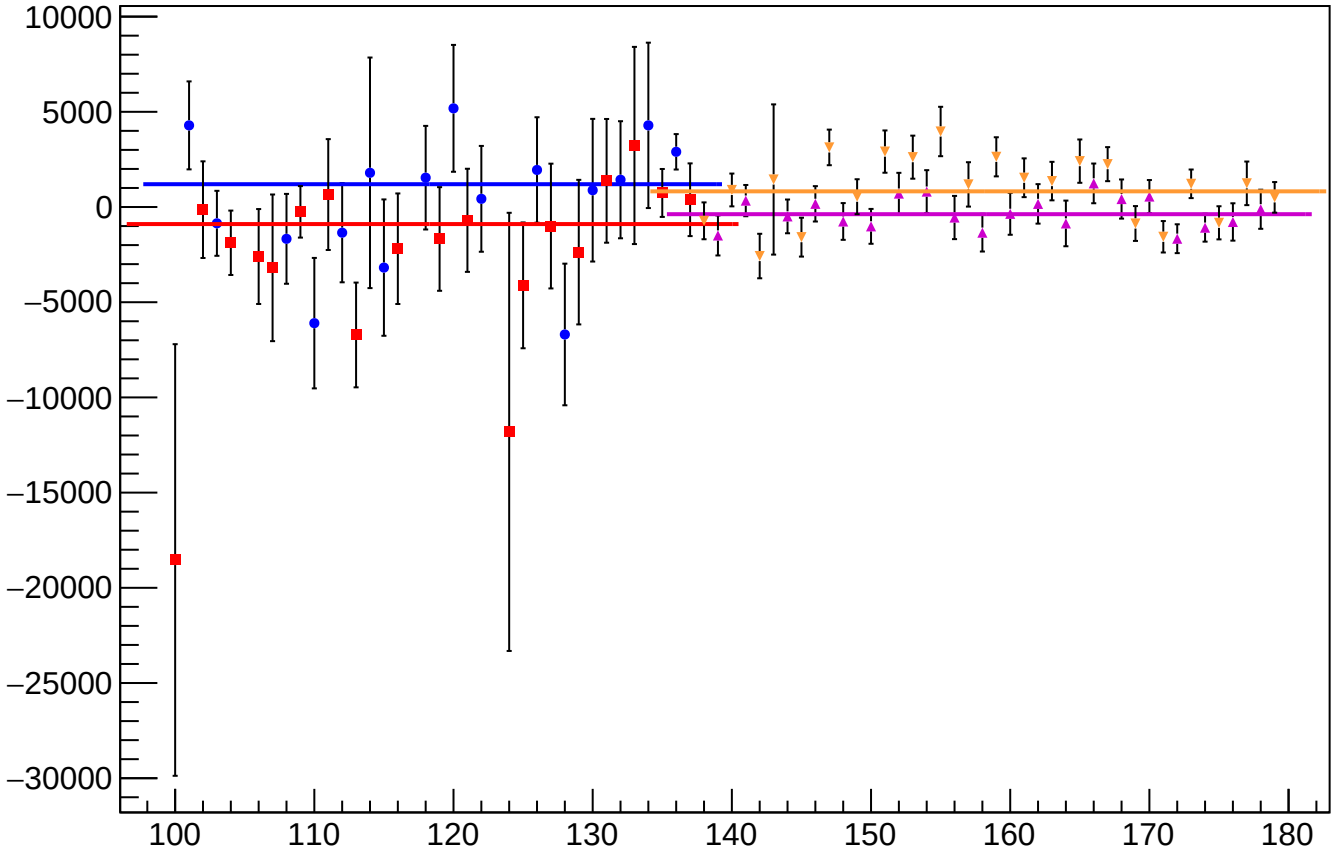
Left: 1711.349+/-0.209 χ^2/NDF: 583567.6/41

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1675.368+/-0.246 χ^2/NDF:563795.2/35

Out: 1680.978+/-0.241 χ^2/NDF:928279.8/40

All: 1678.223+/-0.172 χ^2/NDF: 1492340.7/76



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -376.307+/-214.439 χ^2/NDF:14.6/19

Left: 232.569+/-150.488 χ^2/NDF: 89.6/41

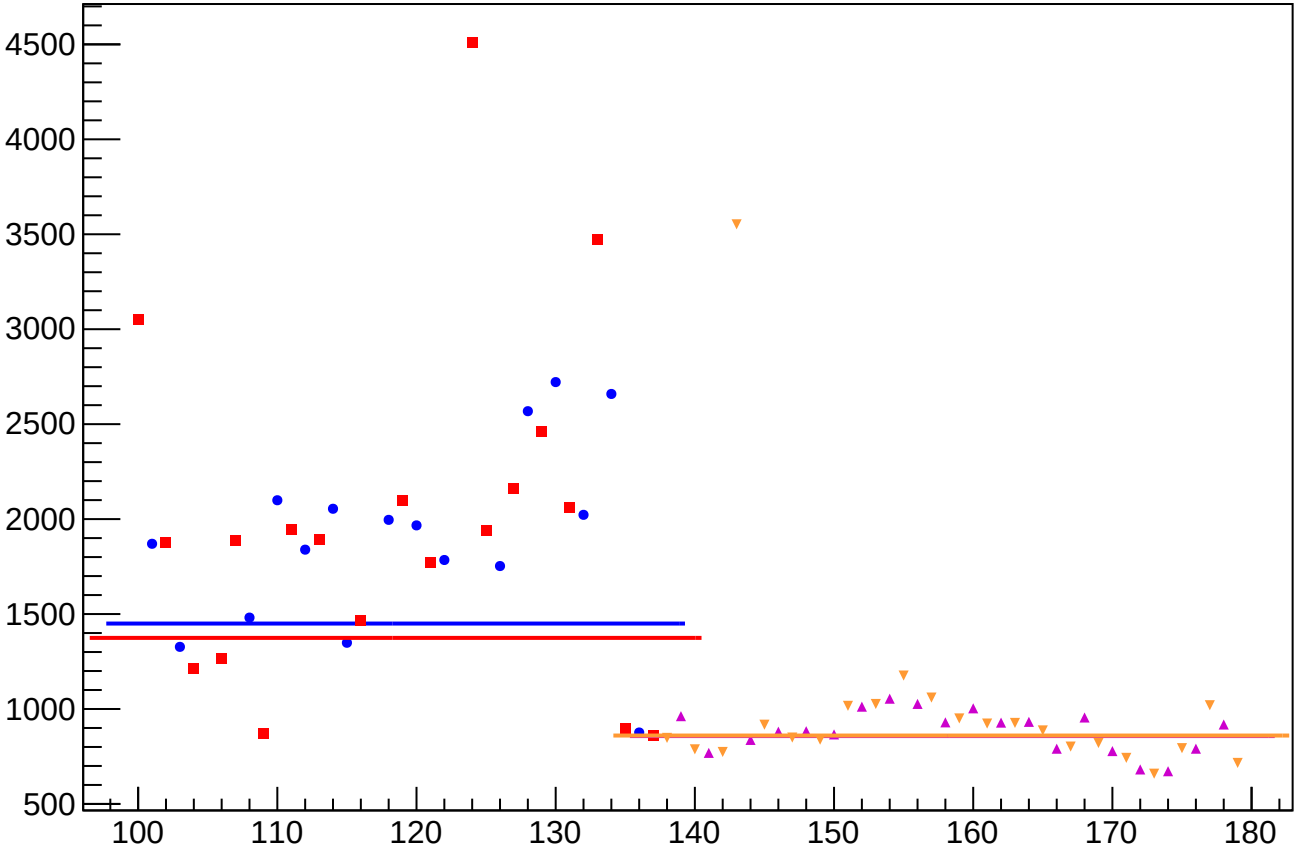
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -185.931+/-201.059 χ^2/NDF:42.8/35

Out: 607.051+/-197.499 χ^2/NDF:81.7/40

All: 217.644+/-140.895 χ^2/NDF: 132.4/76

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.363+/-0.152 χ^2/NDF:549839.0/19

Left: 858.809+/-0.106 χ^2/NDF: 2118602.2/41

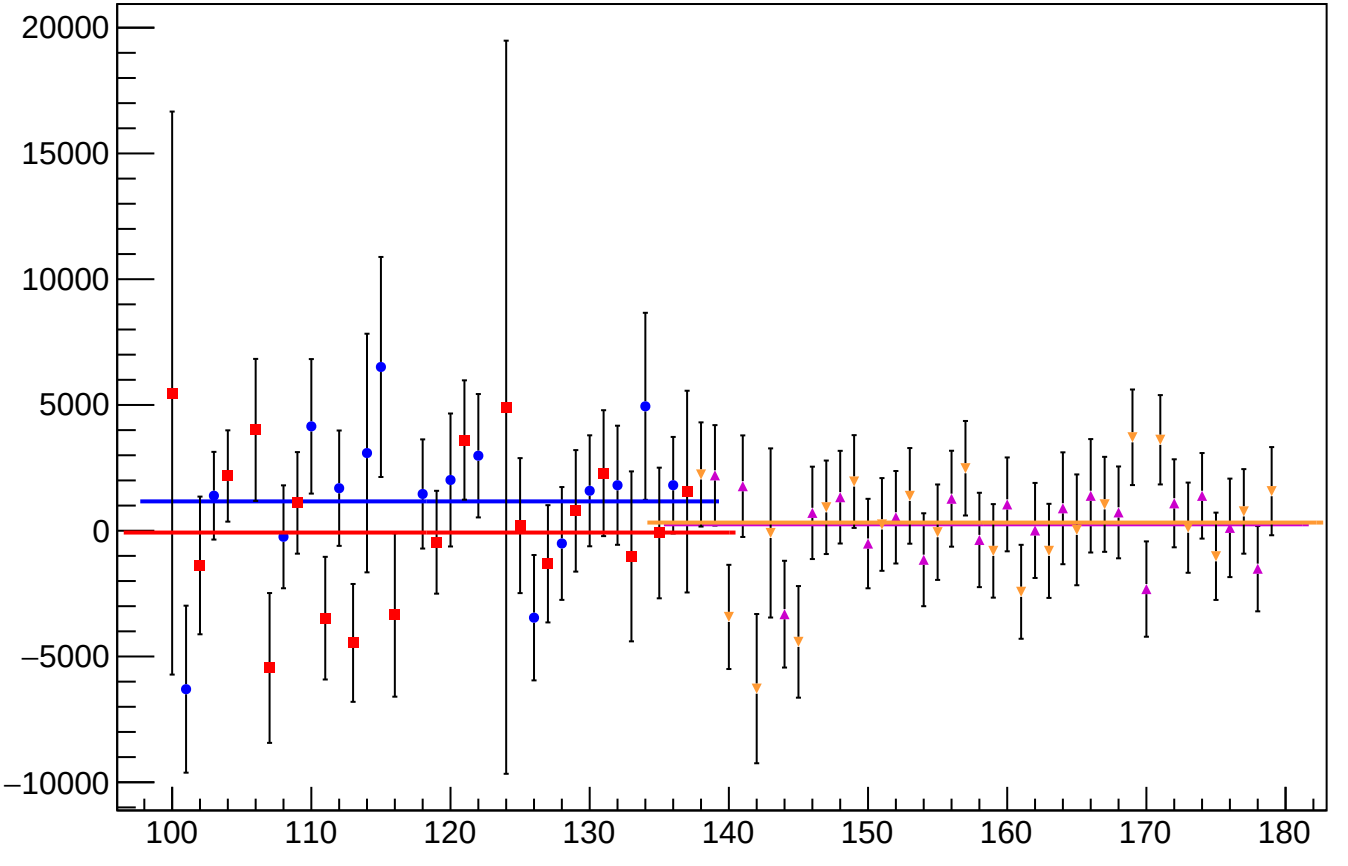
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.006+/-0.142 χ^2/NDF:4188963.6/35

Out: 924.939+/-0.140 χ^2/NDF:5188119.9/40

All: 926.937+/-0.100 χ^2/NDF: 9377500.0/76

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 324.369+/-413.402 χ^2/NDF:27.1/21

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 255.561+/-422.612 χ^2/NDF:10.1/19

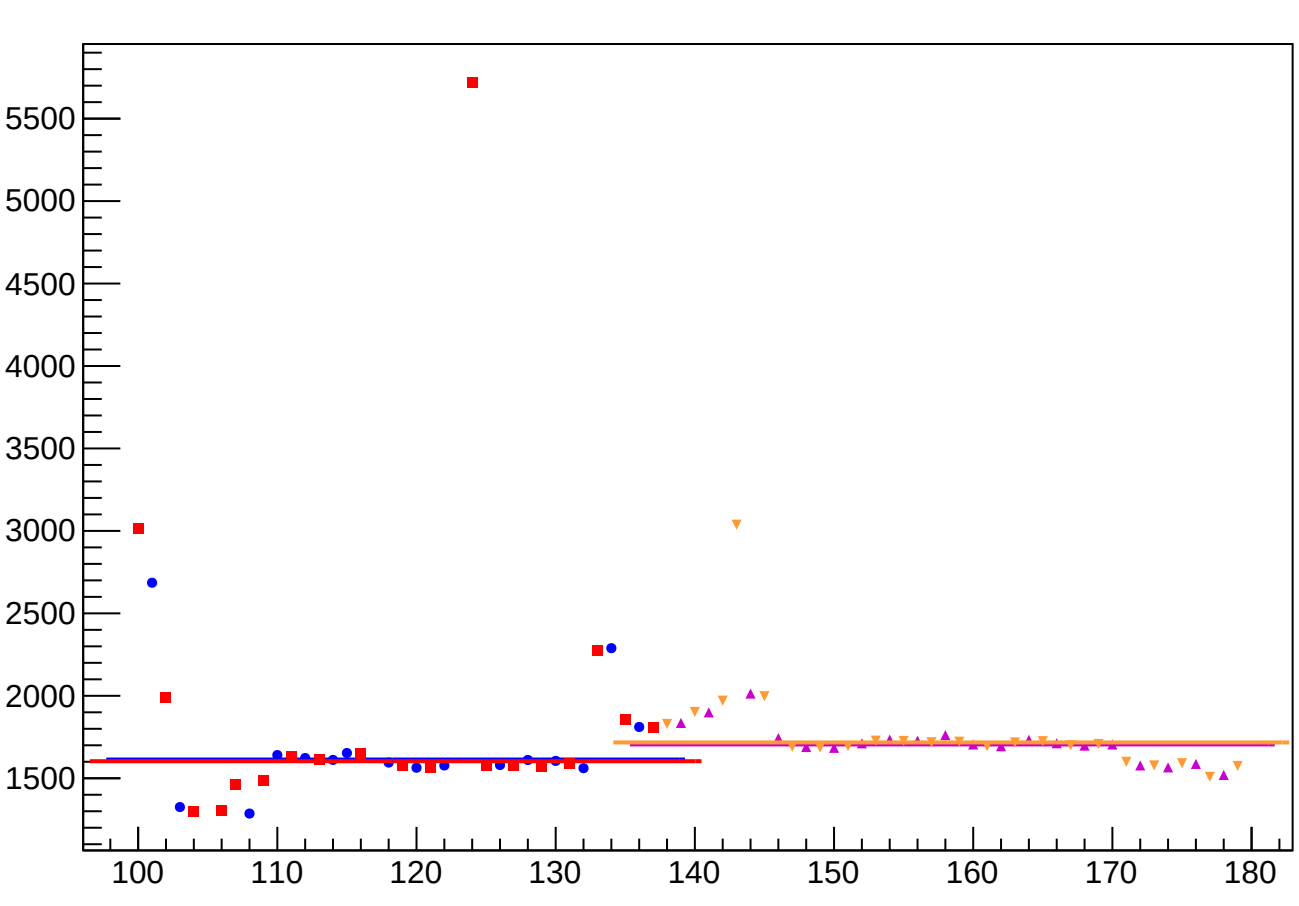
Left: 290.723+/-295.522 χ^2/NDF: 37.3/41

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 551.624+/-347.234 χ^2/NDF:26.1/35

Out: 197.580+/-341.032 χ^2/NDF:45.7/40

All: 371.412+/-243.309 χ^2/NDF: 72.3/76



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1717.367+/-0.292 χ^2/NDF:453981.0/21

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1705.060+/-0.299 χ^2/NDF:128720.0/19

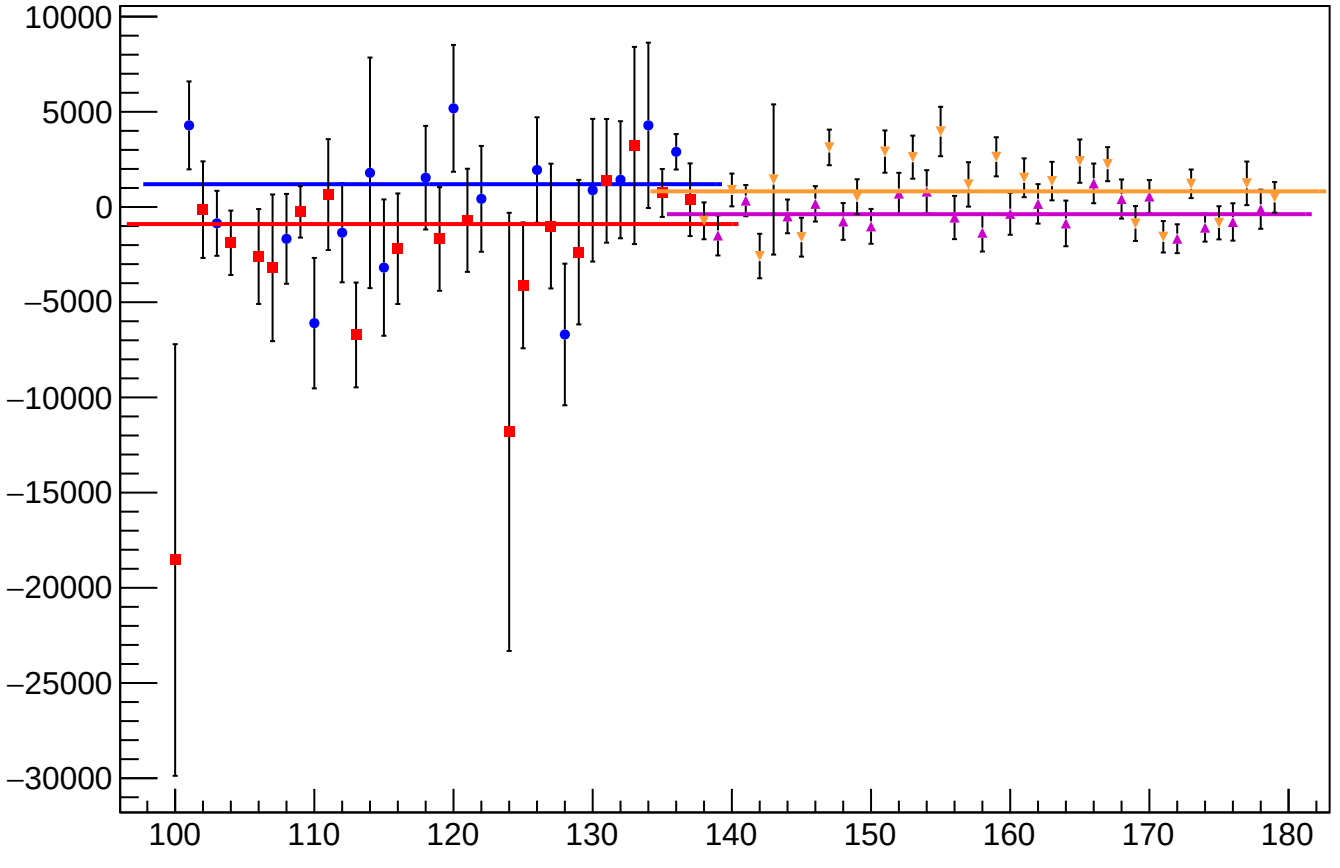
Left: 1711.349+/-0.209 χ^2/NDF: 583567.6/41

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1675.368+/-0.246 χ^2/NDF:563795.2/35

Out: 1680.978+/-0.241 χ^2/NDF:928279.8/40

All: 1678.223+/-0.172 χ^2/NDF: 1492340.7/76



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 823.414+/-211.240 χ^2/NDF:59.1/21

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -376.307+/-214.439 χ^2/NDF:14.6/19

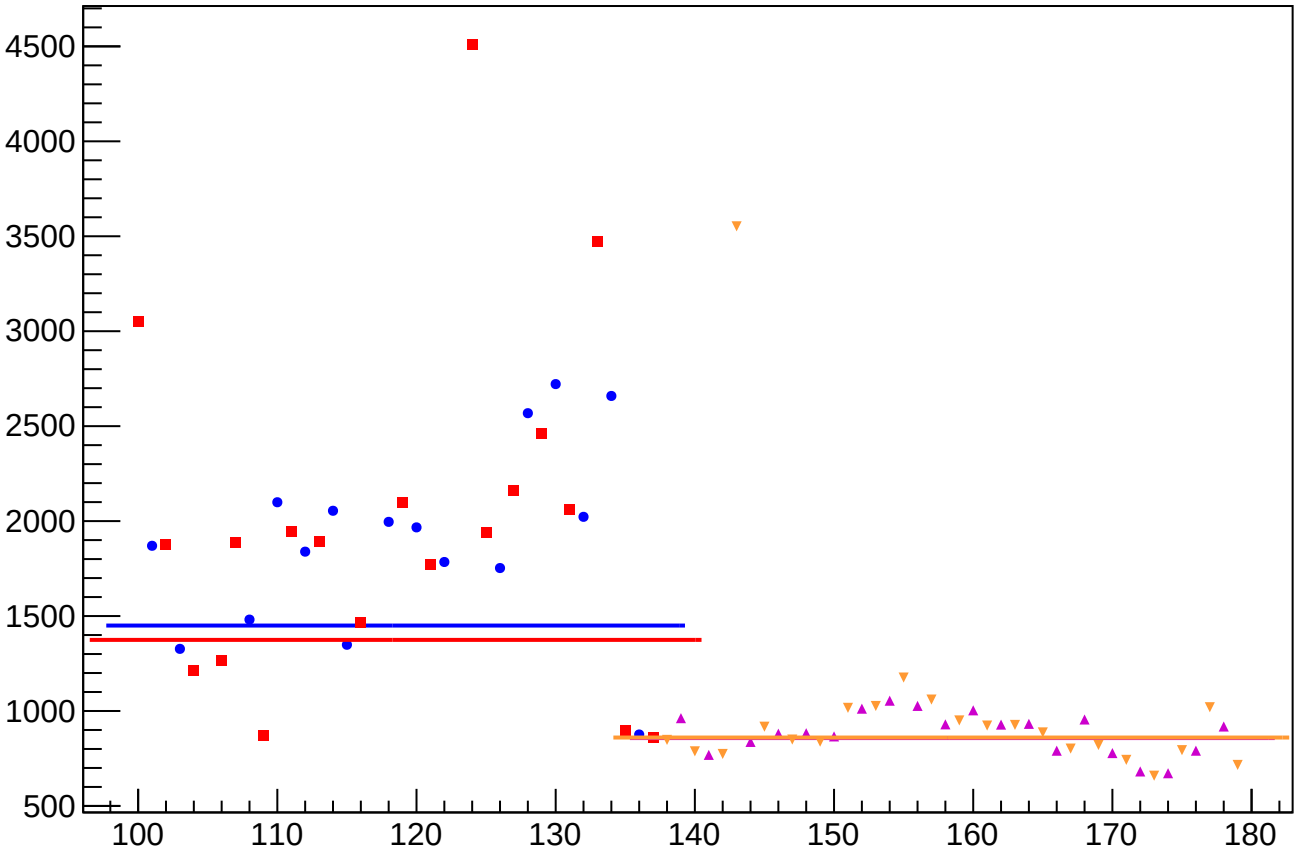
Left: 232.569+/-150.488 χ^2/NDF: 89.6/41

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -185.931+/-201.059 χ^2/NDF:42.8/35

Out: 607.051+/-197.499 χ^2/NDF:81.7/40

All: 217.644+/-140.895 χ^2/NDF: 132.4/76



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 860.211+/-0.149 χ^2/NDF:1568584.1/21

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.363+/-0.152 χ^2/NDF:549839.0/19

Left: 858.809+/-0.106 χ^2/NDF: 2118602.2/41

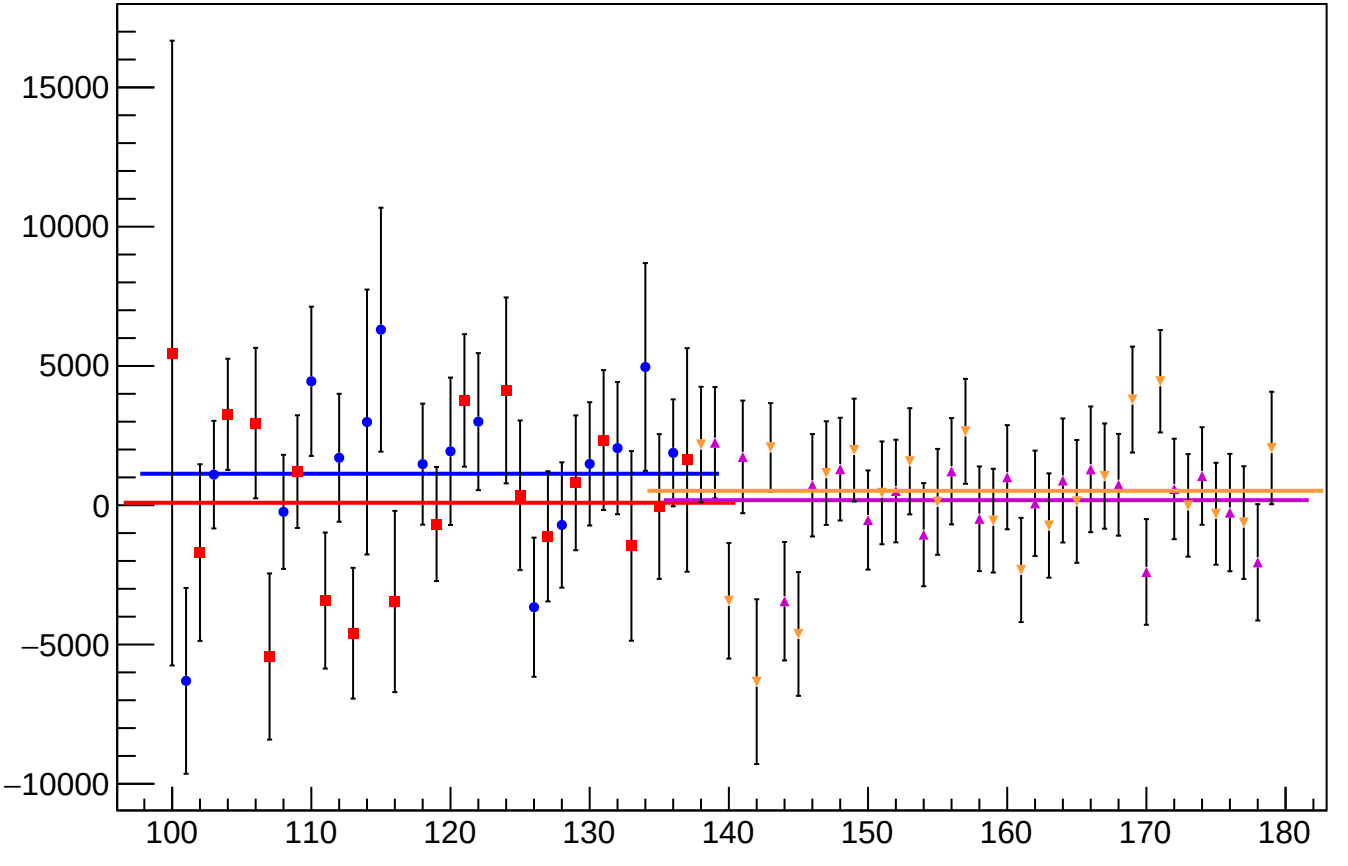
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.006+/-0.142 χ^2/NDF:4188963.6/35

Out: 924.939+/-0.140 χ^2/NDF:5188119.9/40

All: 926.937+/-0.100 χ^2/NDF: 9377500.0/76

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.348+/-412.023 χ^2/NDF:30.3/21

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 180.990+/-430.476 χ^2/NDF:10.0/19

Left: 357.055+/-297.654 χ^2/NDF: 40.6/41

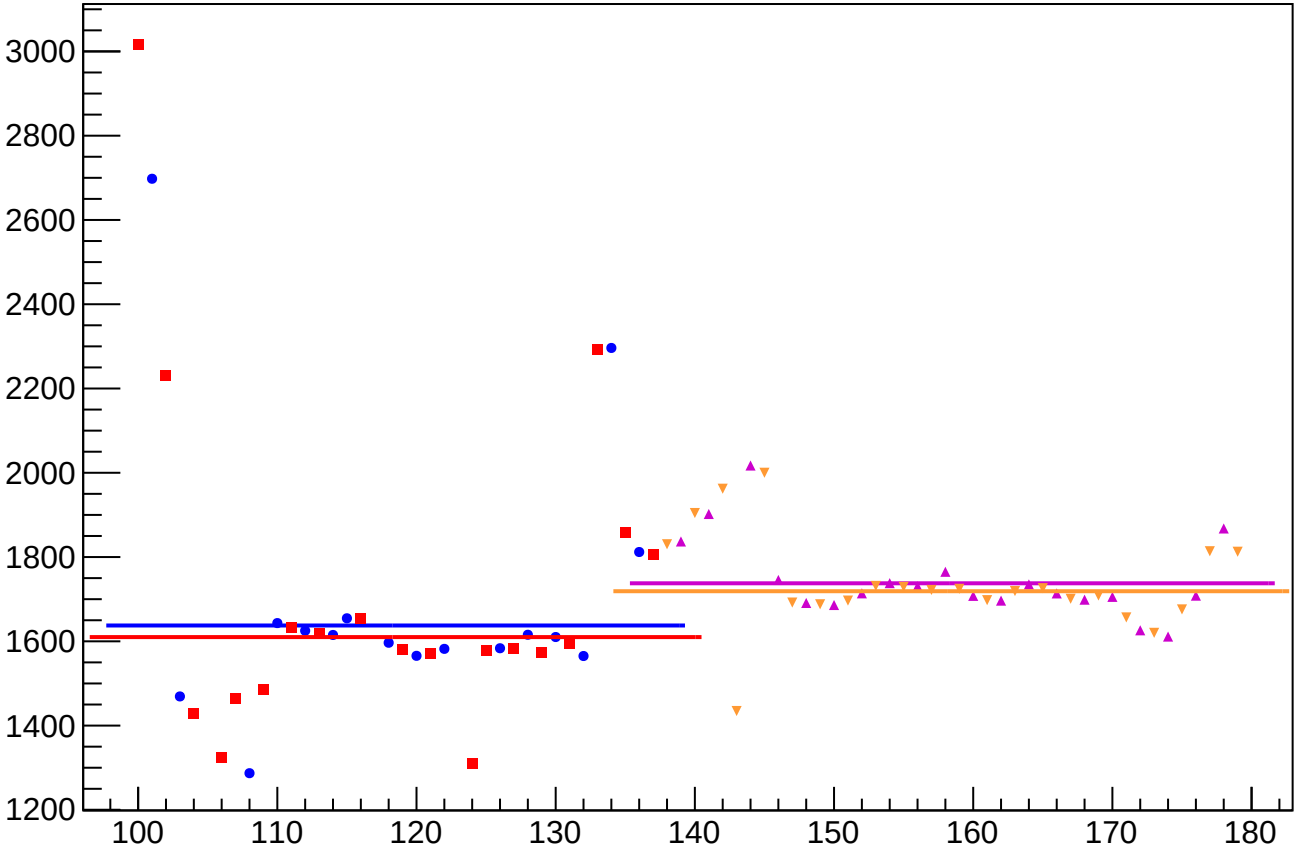
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 491.777+/-353.086 χ^2/NDF:26.6/35

Out: 381.786+/-340.205 χ^2/NDF:51.3/40

All: 434.739+/-244.988 χ^2/NDF: 78.0/76

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1718.907+/-0.291 χ^2/NDF:151288.2/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1737.724+/-0.304 χ^2/NDF:85925.1/19

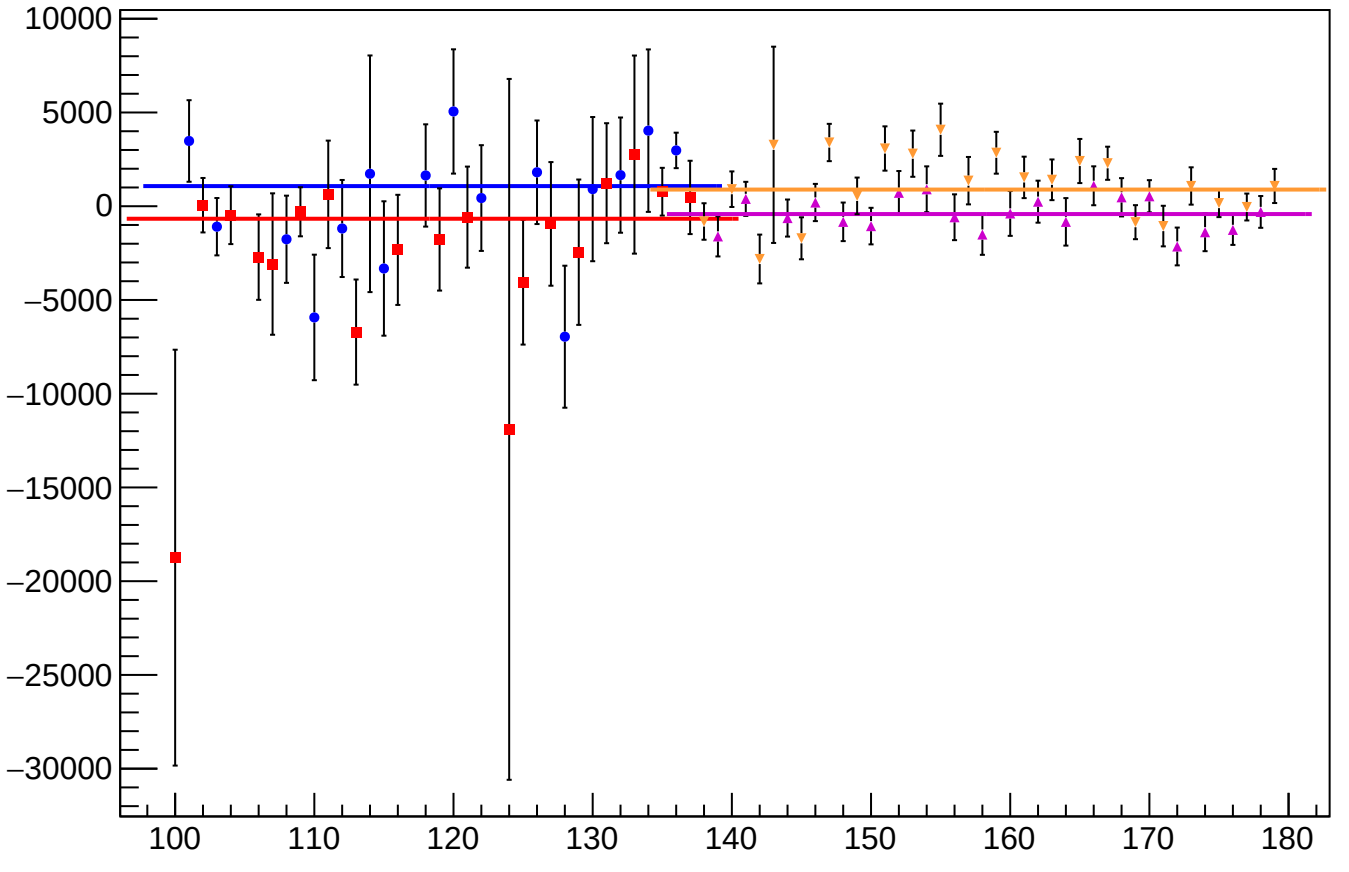
Left: 1727.903+/-0.210 χ^2/NDF: 239207.8/41

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1704.951+/-0.250 χ^2/NDF:482765.8/35

Out: 1684.263+/-0.241 χ^2/NDF:476532.5/40

All: 1694.223+/-0.173 χ^2/NDF: 962859.1/76



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 888.375+/-220.018 χ^2/NDF:52.0/21

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -417.807+/-227.494 χ^2/NDF:15.8/19

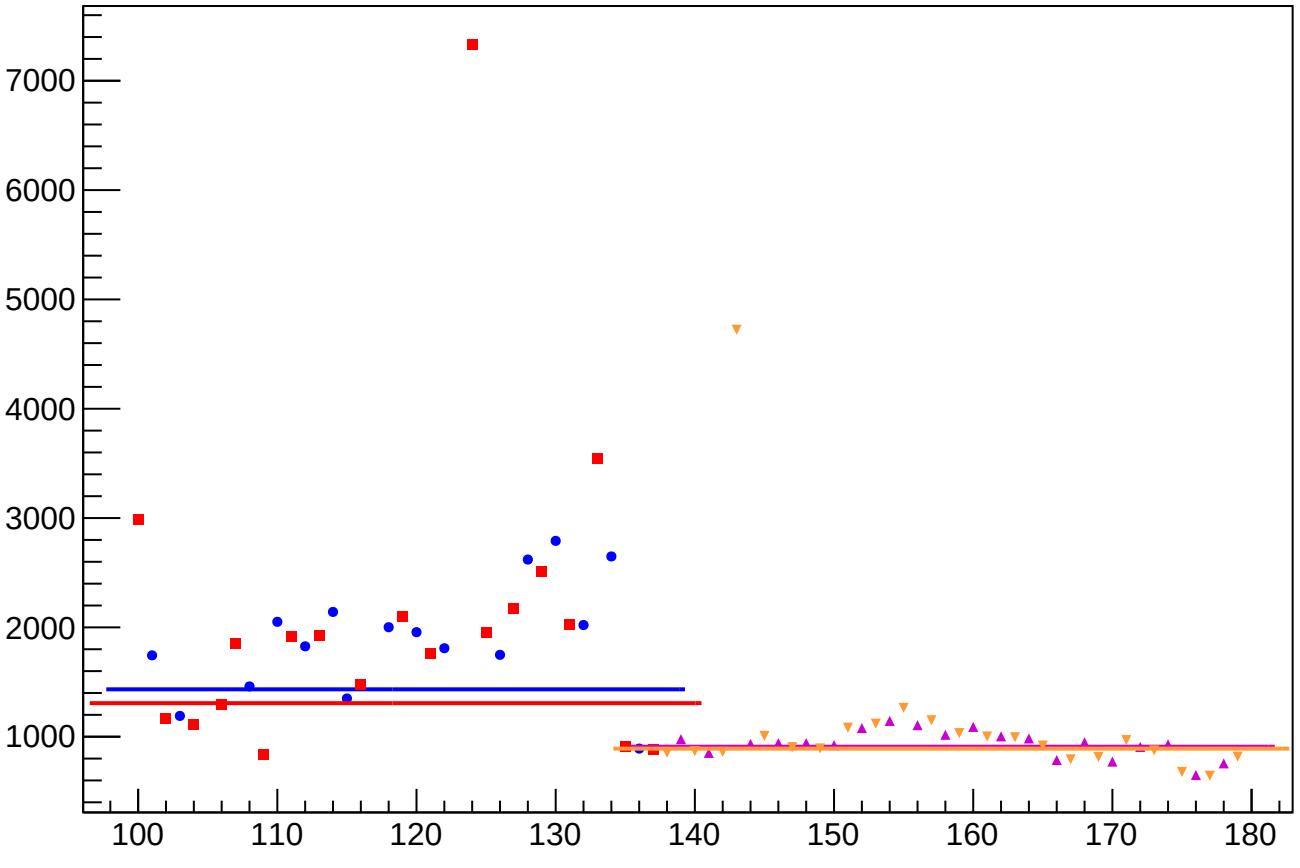
Left: 257.097+/-158.153 χ^2/NDF: 84.7/41

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -213.878+/-211.369 χ^2/NDF:43.7/35

Out: 654.747+/-202.831 χ^2/NDF:73.0/40

All: 238.332+/-146.348 χ^2/NDF: 125.5/76



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 890.828+/-0.156 χ^2/NDF:1983341.0/21

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 908.739+/-0.161 χ^2/NDF:634511.8/19

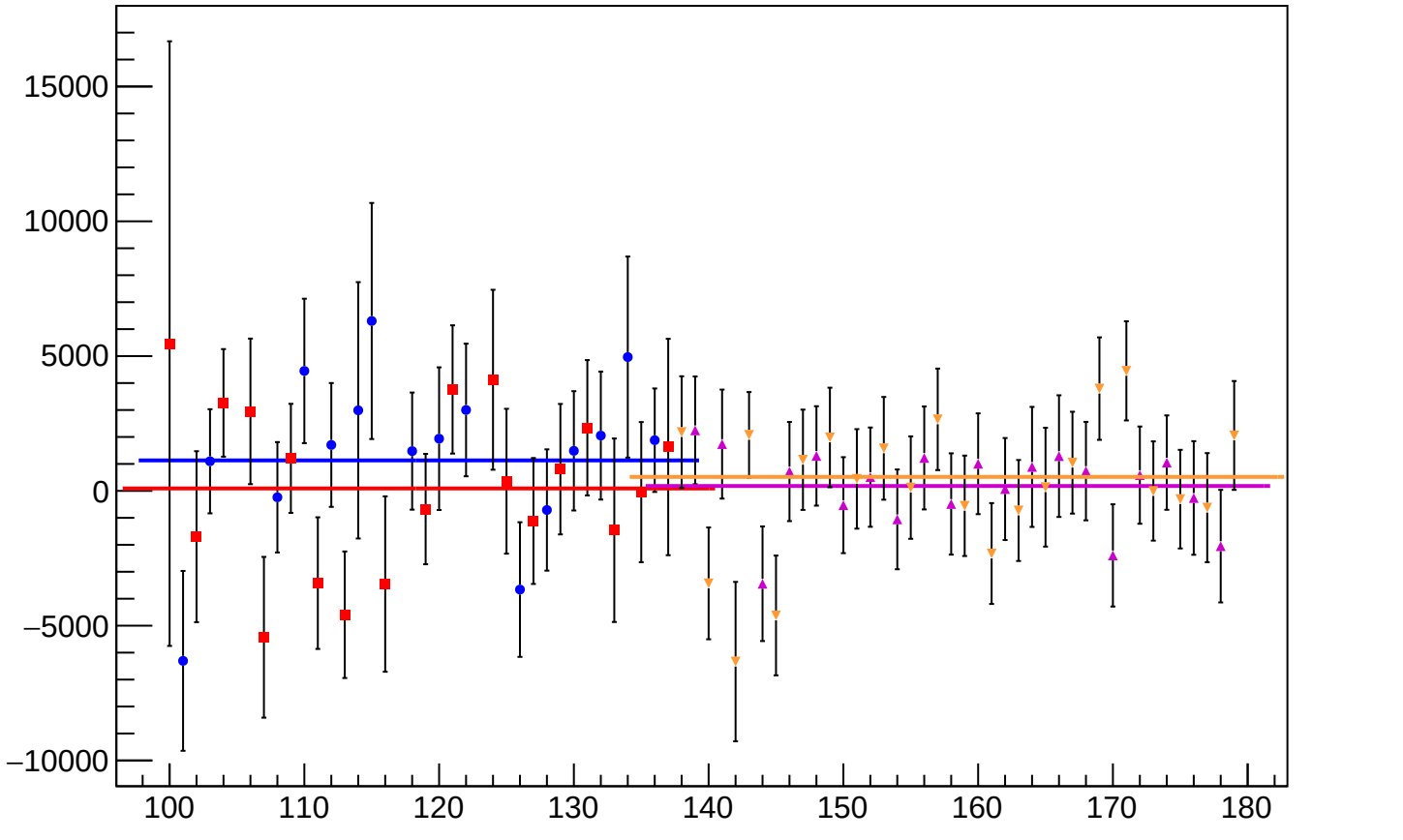
Left: 899.484+/-0.112 χ^2/NDF: 2624258.7/41

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 980.490+/-0.149 χ^2/NDF:3852995.5/35

Out: 953.288+/-0.143 χ^2/NDF:5240875.2/40

All: 966.329+/-0.103 χ^2/NDF: 9111114.7/76



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 518.343+/-412.023 χ^2/NDF:30.3/21

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 180.992+/-430.476 χ^2/NDF:10.0/19

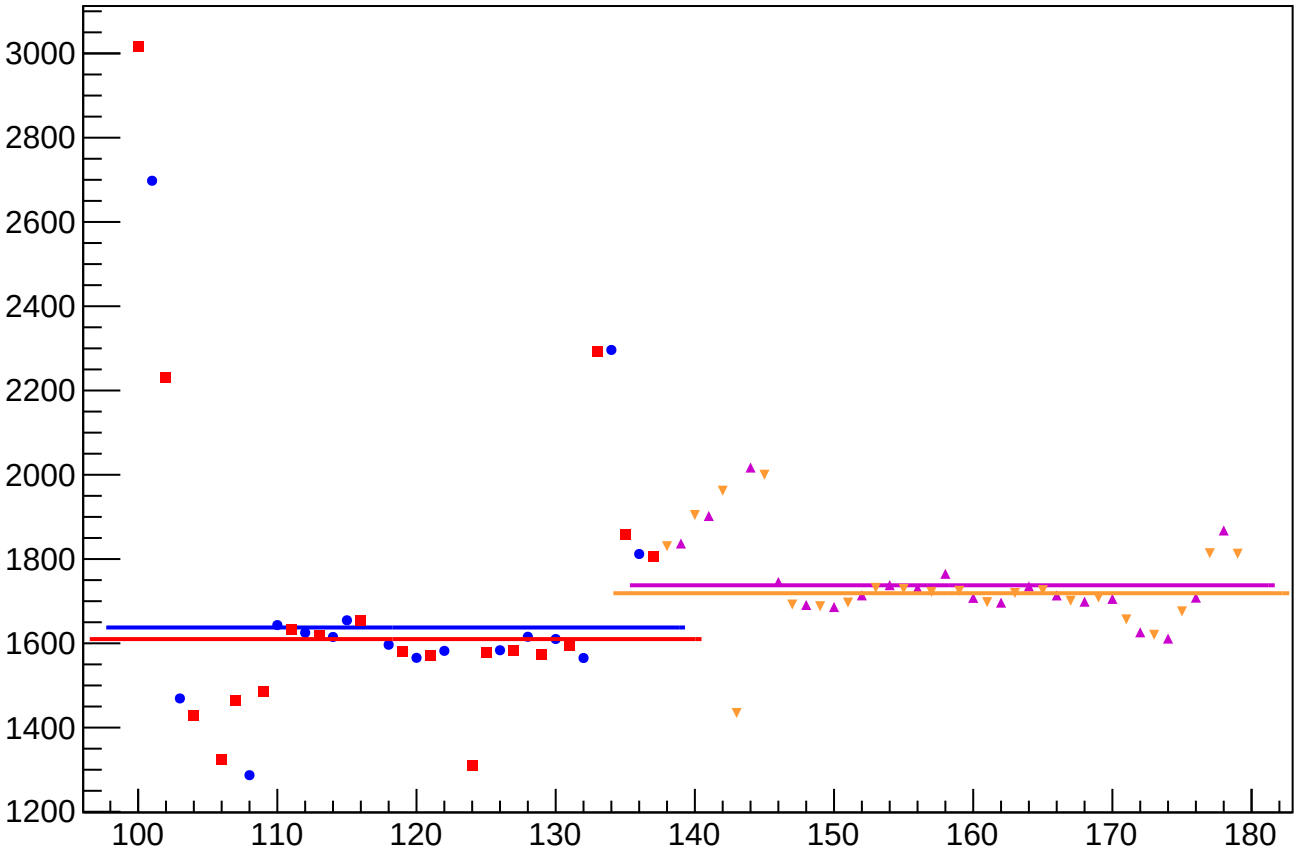
Left: 357.053+/-297.654 χ^2/NDF: 40.6/41

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 491.778+/-353.086 χ^2/NDF:26.6/35

Out: 381.784+/-340.205 χ^2/NDF:51.3/40

All: 434.738+/-244.988 χ^2/NDF: 78.0/76



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1718.906+/-0.291 χ^2/NDF:151287.1/21

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1737.724+/-0.304 χ^2/NDF:85925.2/19

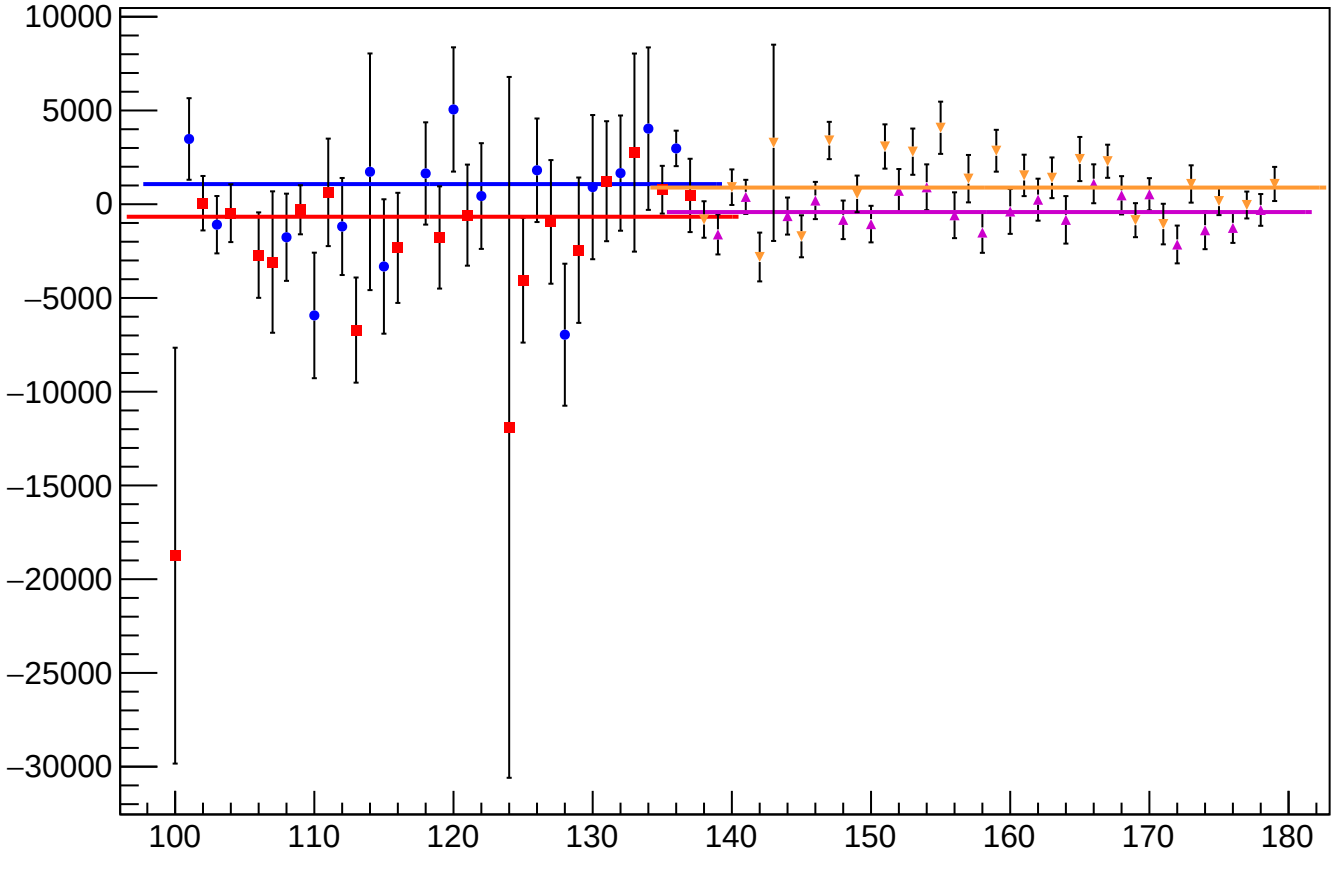
Left: 1727.903+/-0.210 χ^2/NDF: 239206.8/41

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1704.951+/-0.250 χ^2/NDF:482765.6/35

Out: 1684.263+/-0.241 χ^2/NDF:476531.6/40

All: 1694.223+/-0.173 χ^2/NDF: 962857.9/76



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 888.379+/-220.018 χ^2/NDF:52.0/21

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -417.805+/-227.493 χ^2/NDF:15.8/19

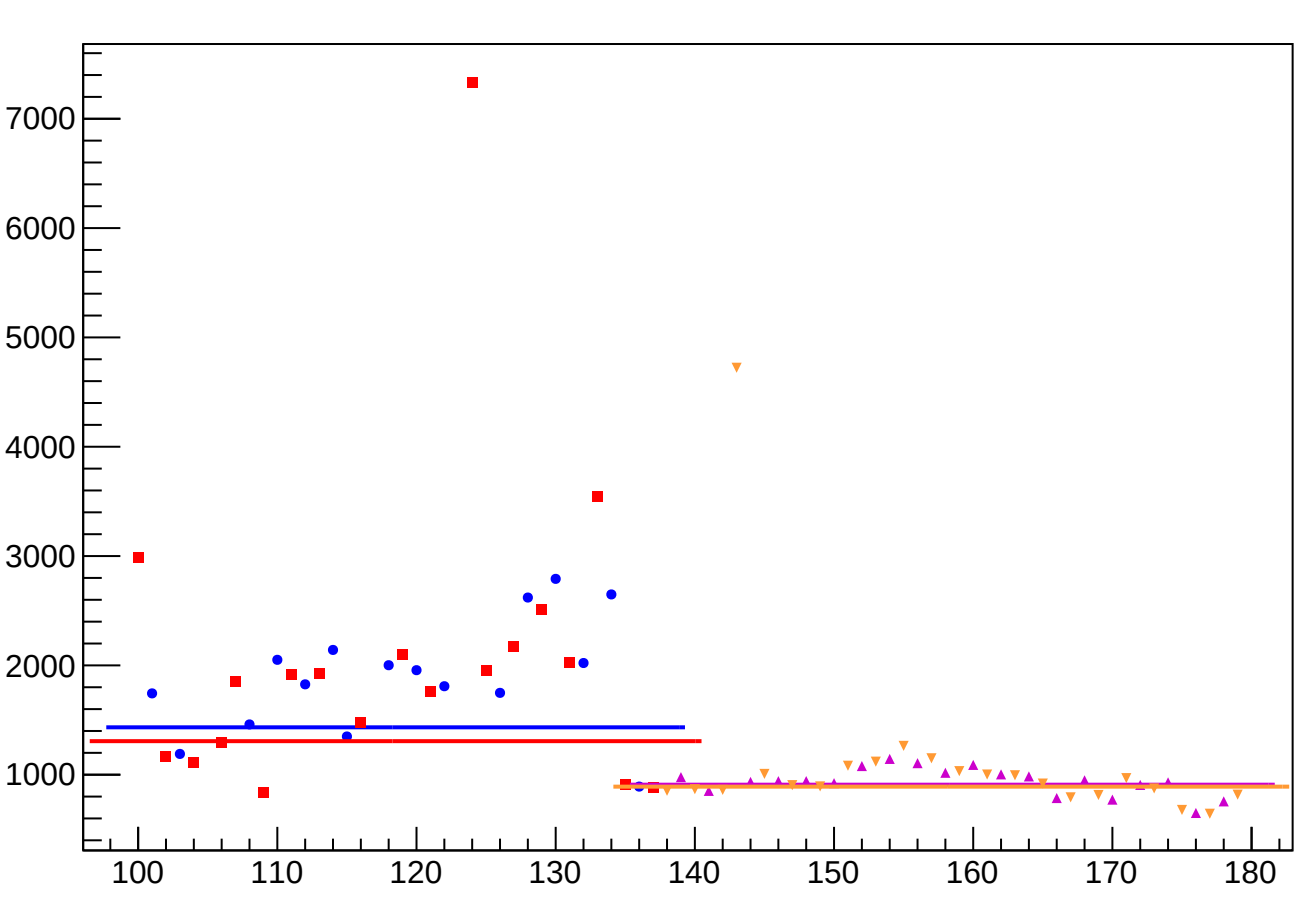
Left: 257.100+/-158.153 χ^2/NDF: 84.7/41

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -213.880+/-211.369 χ^2/NDF:43.7/35

Out: 654.751+/-202.831 χ^2/NDF:73.0/40

All: 238.333+/-146.348 χ^2/NDF: 125.5/76



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 890.828+/-0.156 χ^2/NDF:1983331.7/21

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 908.738+/-0.161 χ^2/NDF:634518.6/19

Left: 899.484+/-0.112 χ^2/NDF: 2624255.4/41

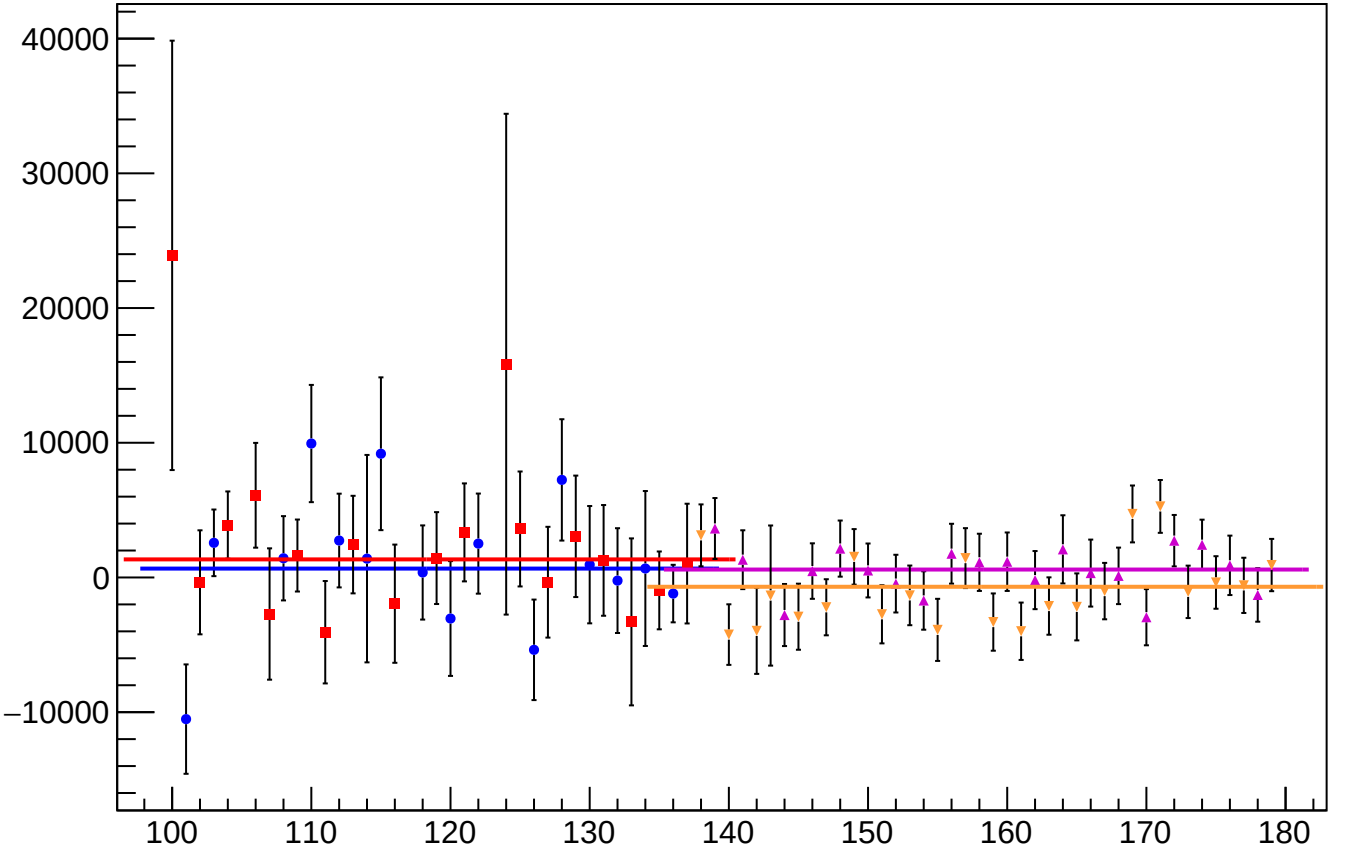
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 980.490+/-0.149 χ^2/NDF:3852981.9/35

Out: 953.290+/-0.143 χ^2/NDF:5240848.6/40

All: 966.329+/-0.103 χ^2/NDF: 9111072.9/76

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -690.724+/-469.823 χ^2/NDF:34.0/21

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 588.232+/-477.338 χ^2/NDF:13.0/19

Left: -61.393+/-334.840 χ^2/NDF: 50.6/41

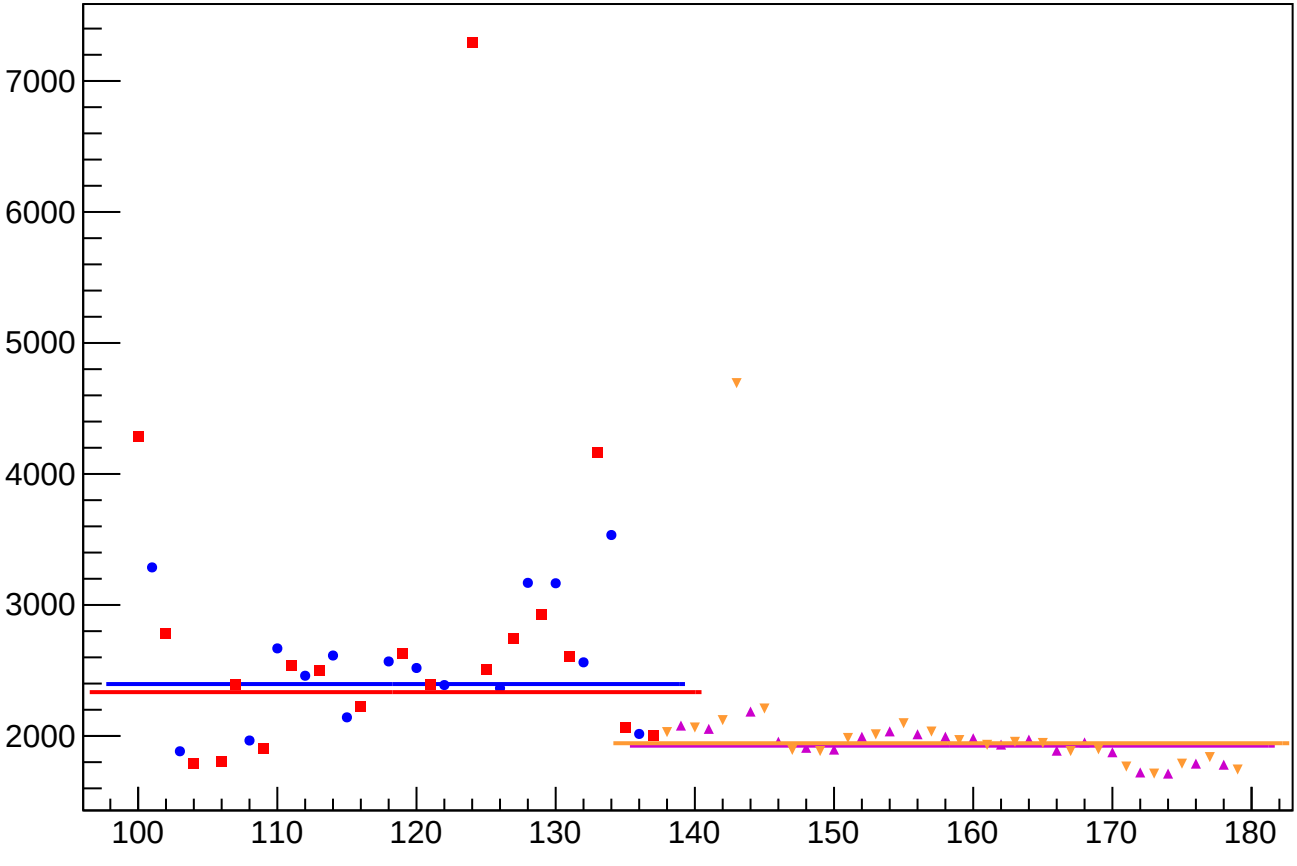
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 603.613+/-422.670 χ^2/NDF:35.0/35

Out: -248.167+/-415.543 χ^2/NDF:48.9/40

All: 170.481+/-296.321 χ^2/NDF: 85.9/76

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1944.479+/-0.332 χ^2/NDF:701343.3/21

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1925.800+/-0.338 χ^2/NDF:126401.2/19

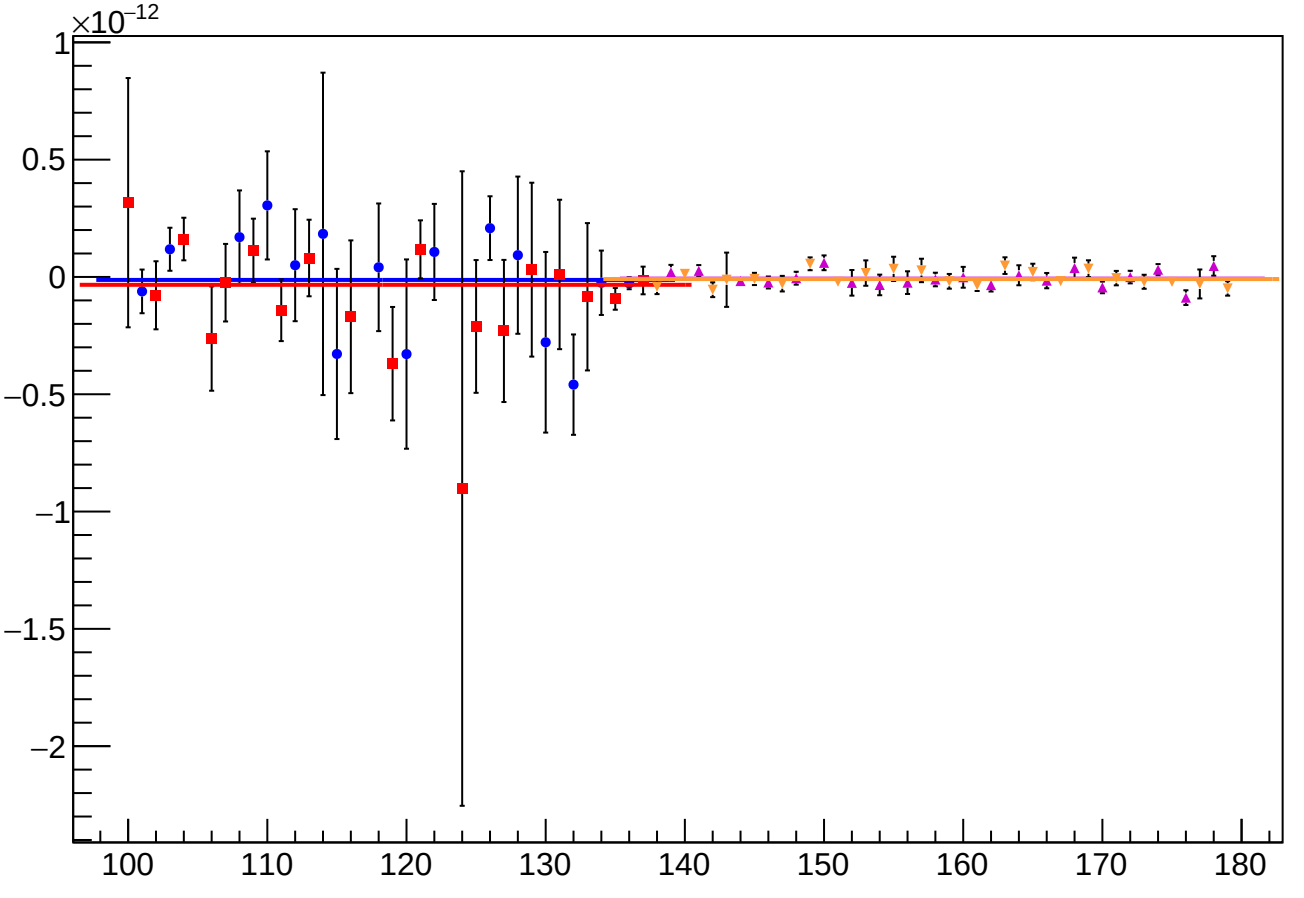
Left: 1935.288+/-0.237 χ^2/NDF: 829300.1/41

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2027.394+/-0.299 χ^2/NDF:1053847.1/35

Out: 2029.414+/-0.294 χ^2/NDF:1683131.9/40

All: 2028.421+/-0.210 χ^2/NDF: 2737002.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.3/19

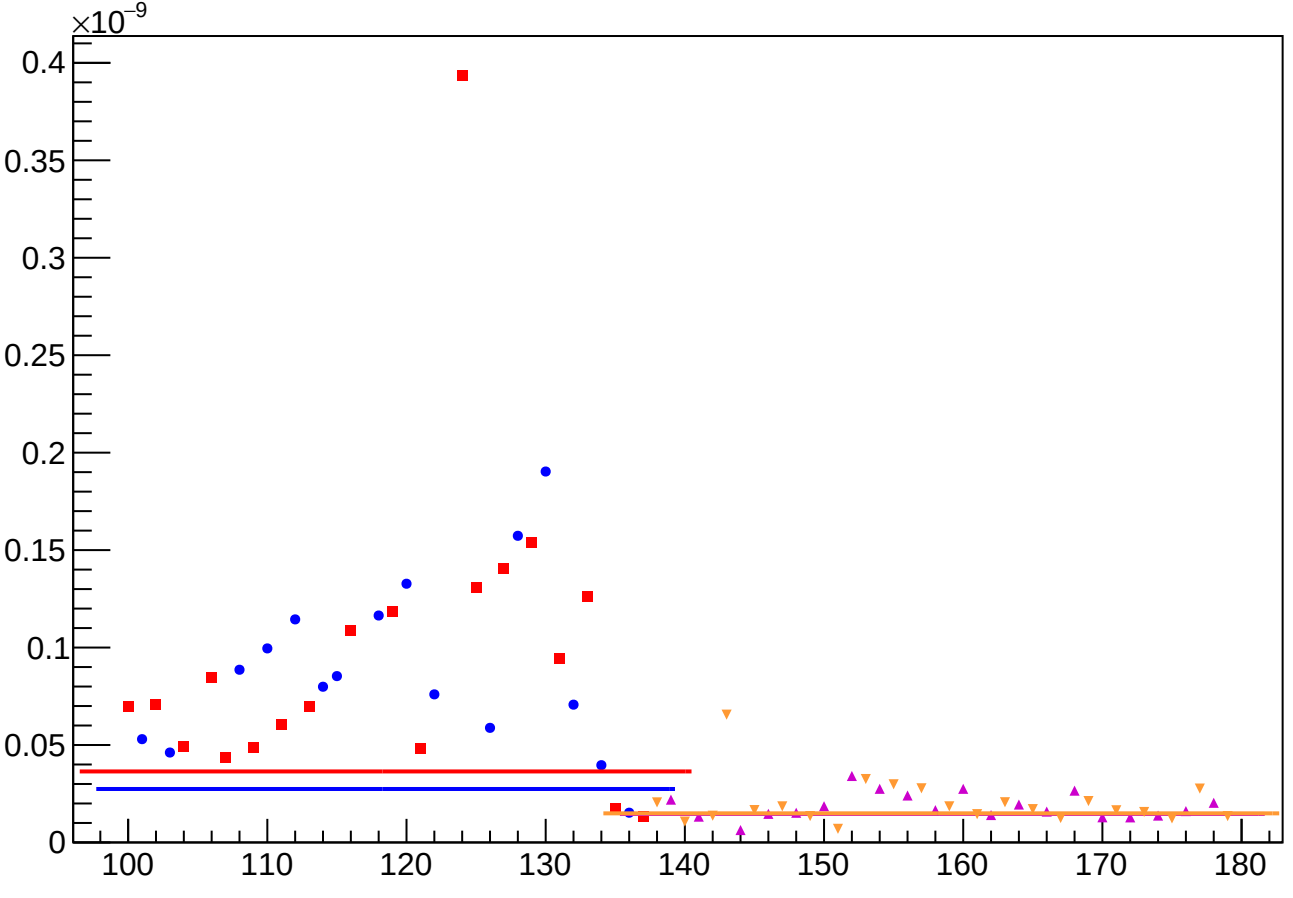
Left: -0.000+/-0.000 χ^2/NDF: 45.3/41

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:39.1/35

Out: -0.000+/-0.000 χ^2/NDF:37.0/40

All: -0.000+/-0.000 χ^2/NDF: 76.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1772716.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1783181.5/19

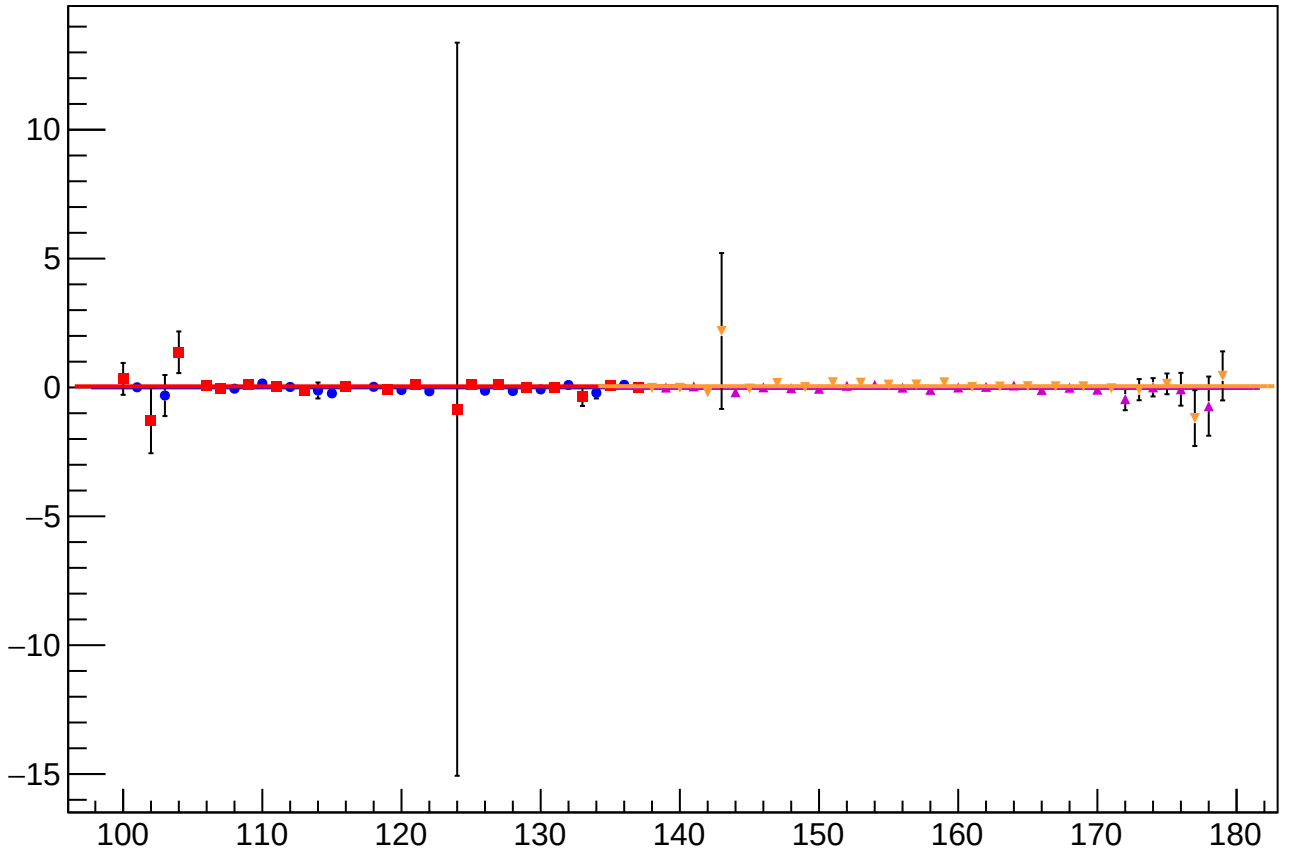
Left: 0.000+/-0.000 χ^2/NDF: 3558288.1/41

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5126974.1/35

Out: 0.000+/-0.000 χ^2/NDF:5340954.4/40

All: 0.000+/-0.000 χ^2/NDF: 10470799.6/76



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:13.1/19

Left: 0.014+/-0.012 χ^2/NDF: 42.7/41

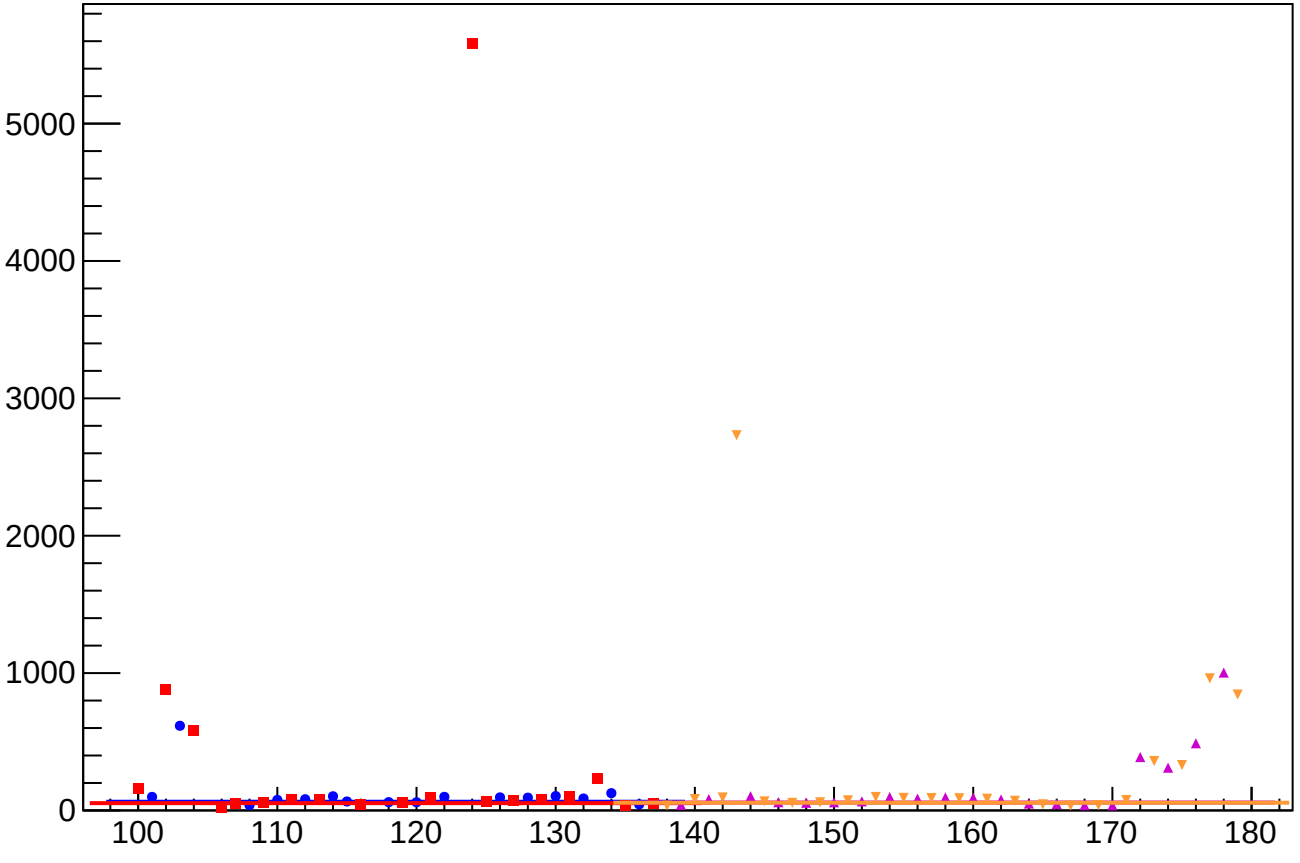
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 70.1/76

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.344+/-0.012 χ^2/NDF:9349588.5/21

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.621+/-0.012 χ^2/NDF:7147036.1/19

Left: 56.979+/-0.009 χ^2/NDF: 16502198.0/41

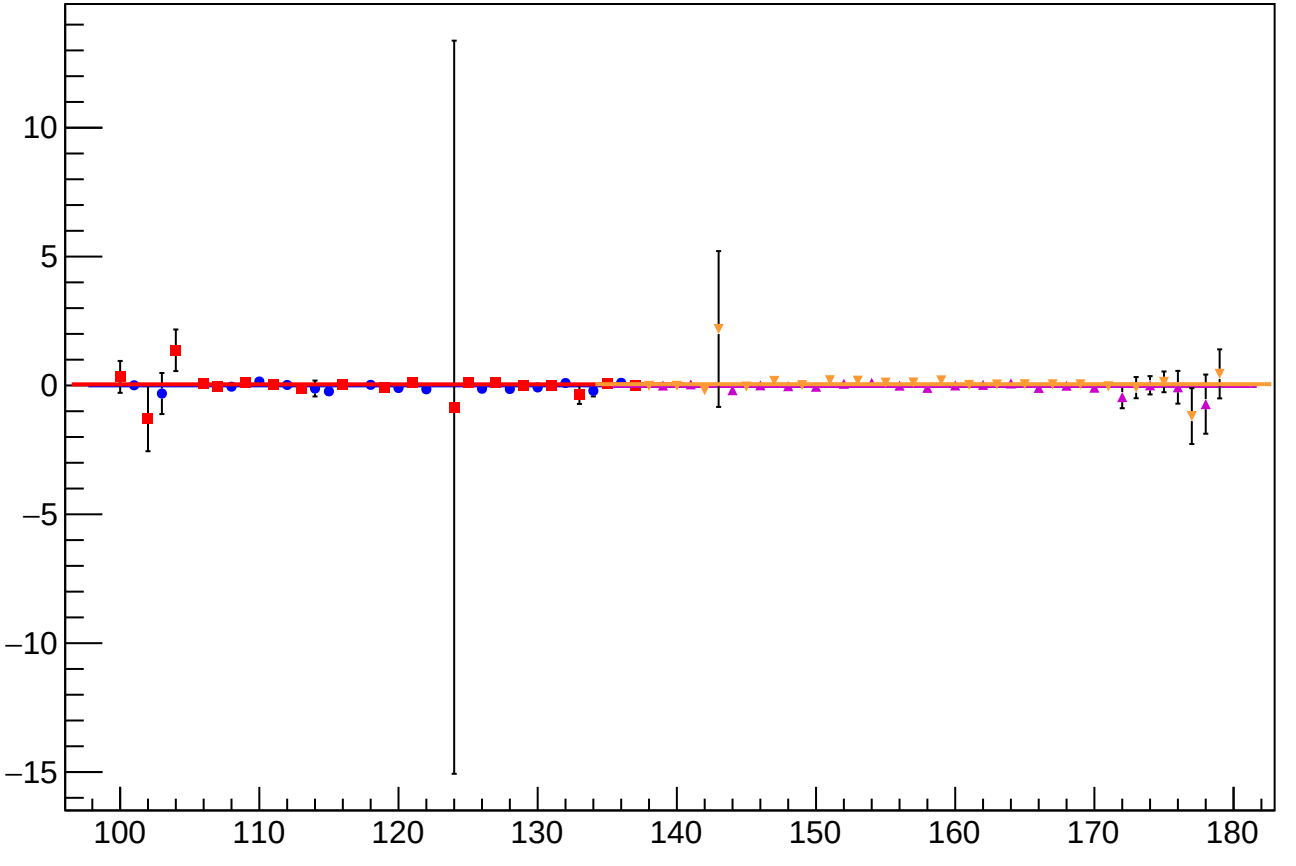
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.278+/-0.010 χ^2/NDF:9658076.0/35

Out: 55.340+/-0.010 χ^2/NDF:13317070.0/40

All: 57.246+/-0.007 χ^2/NDF: 23051203.3/76

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:13.1/19

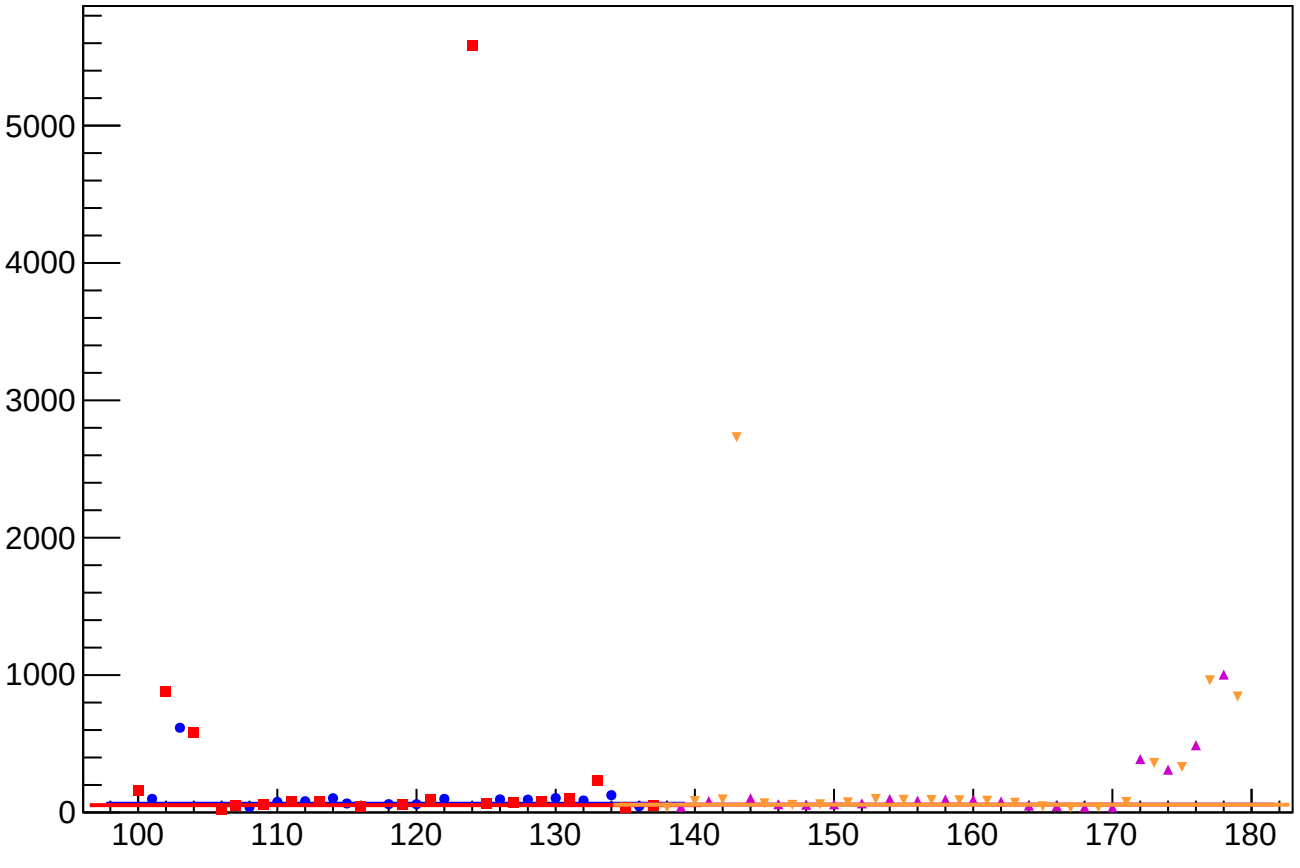
Left: 0.014+/-0.012 χ^2/NDF: 42.7/41

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 70.1/76



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.344+/-0.012 χ^2/NDF:9349588.5/21

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.621+/-0.012 χ^2/NDF:7147036.1/19

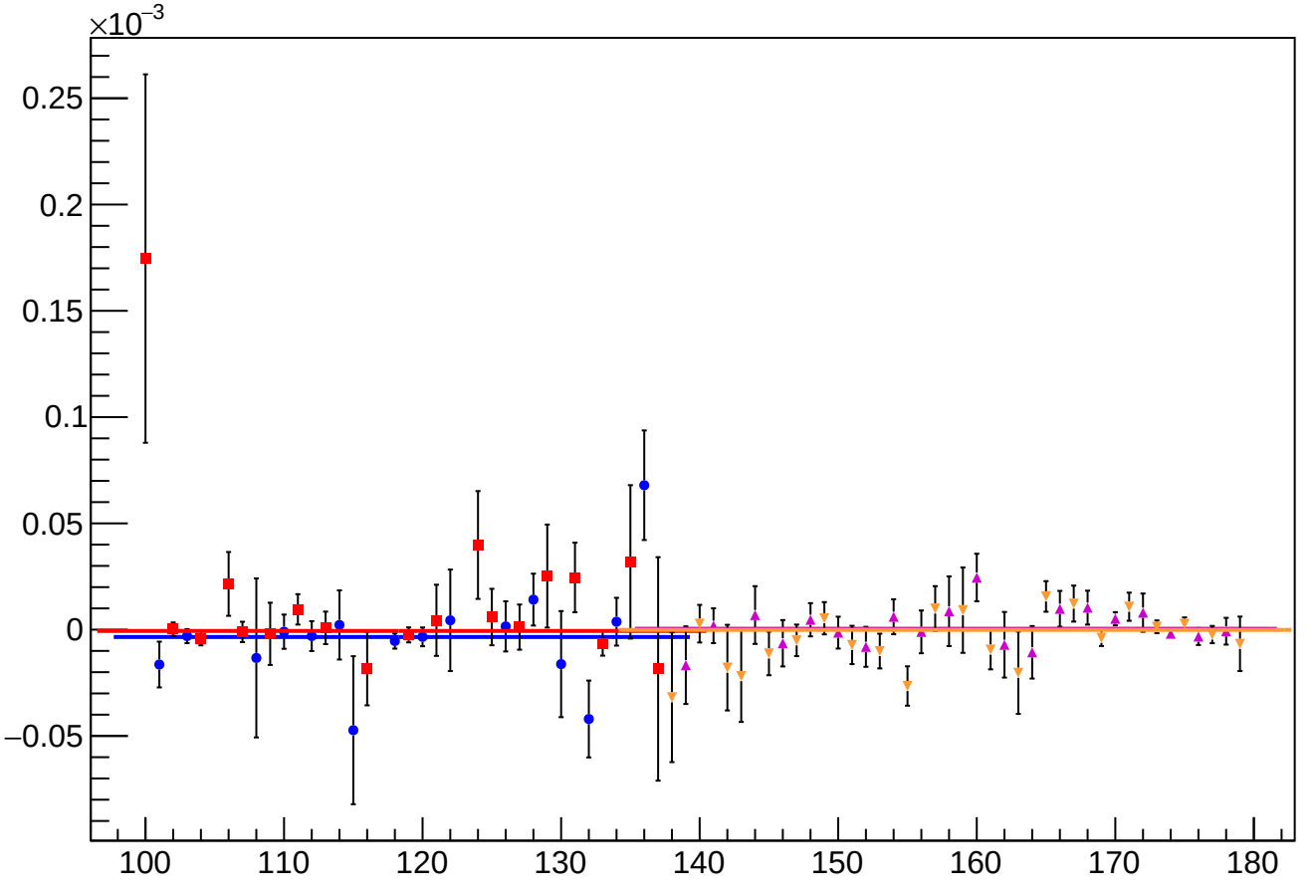
Left: 56.979+/-0.009 χ^2/NDF: 16502198.0/41

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.278+/-0.010 χ^2/NDF:9658076.0/35

Out: 55.340+/-0.010 χ^2/NDF:13317070.0/40

All: 57.246+/-0.007 χ^2/NDF: 23051203.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.4/19

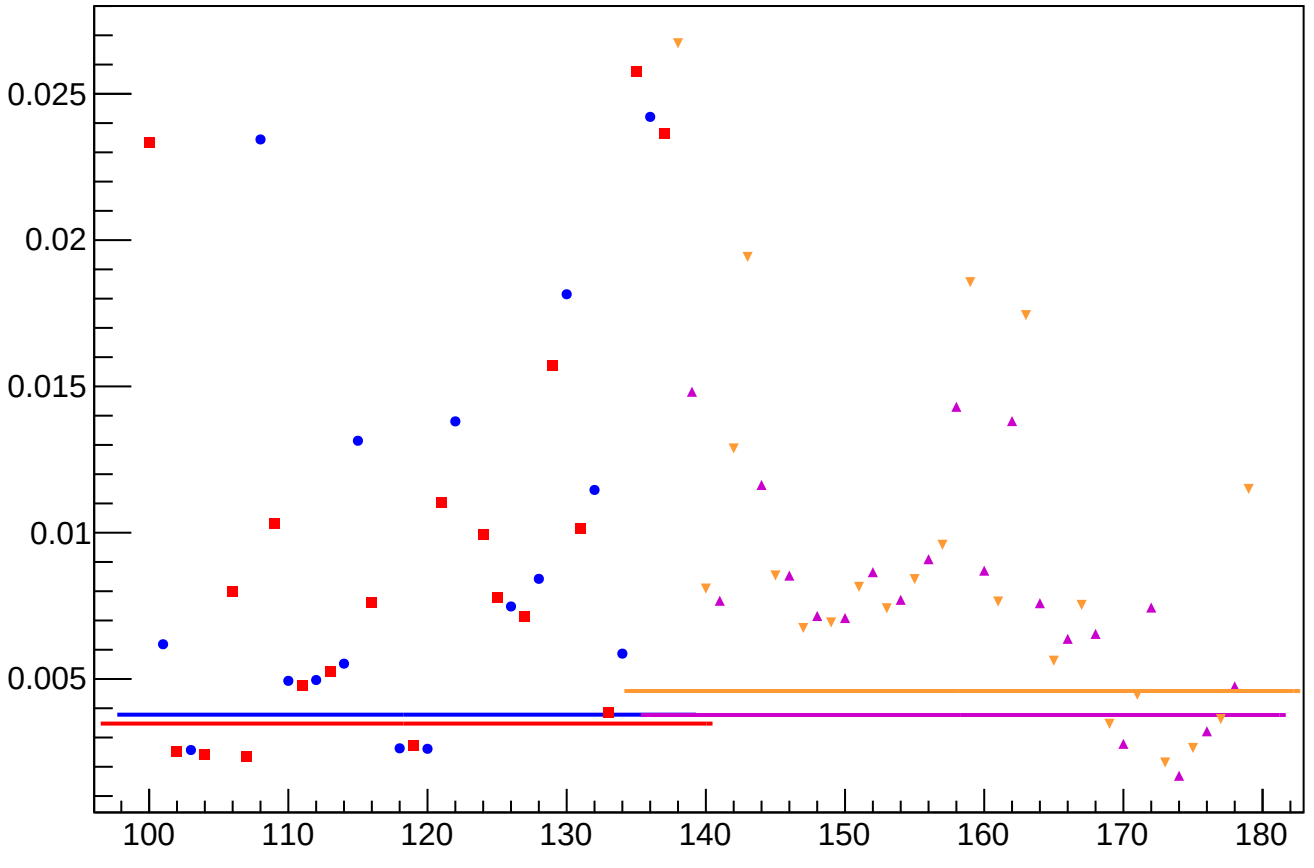
Left: 0.000+/-0.000 χ^2/NDF: 48.3/41

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:39.4/35

Out: -0.000+/-0.000 χ^2/NDF:50.0/40

All: -0.000+/-0.000 χ^2/NDF: 89.5/76



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:10016151.7/21

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:10418521.5/19

Left: 0.004+/-0.000 χ^2/NDF: 20831662.2/41

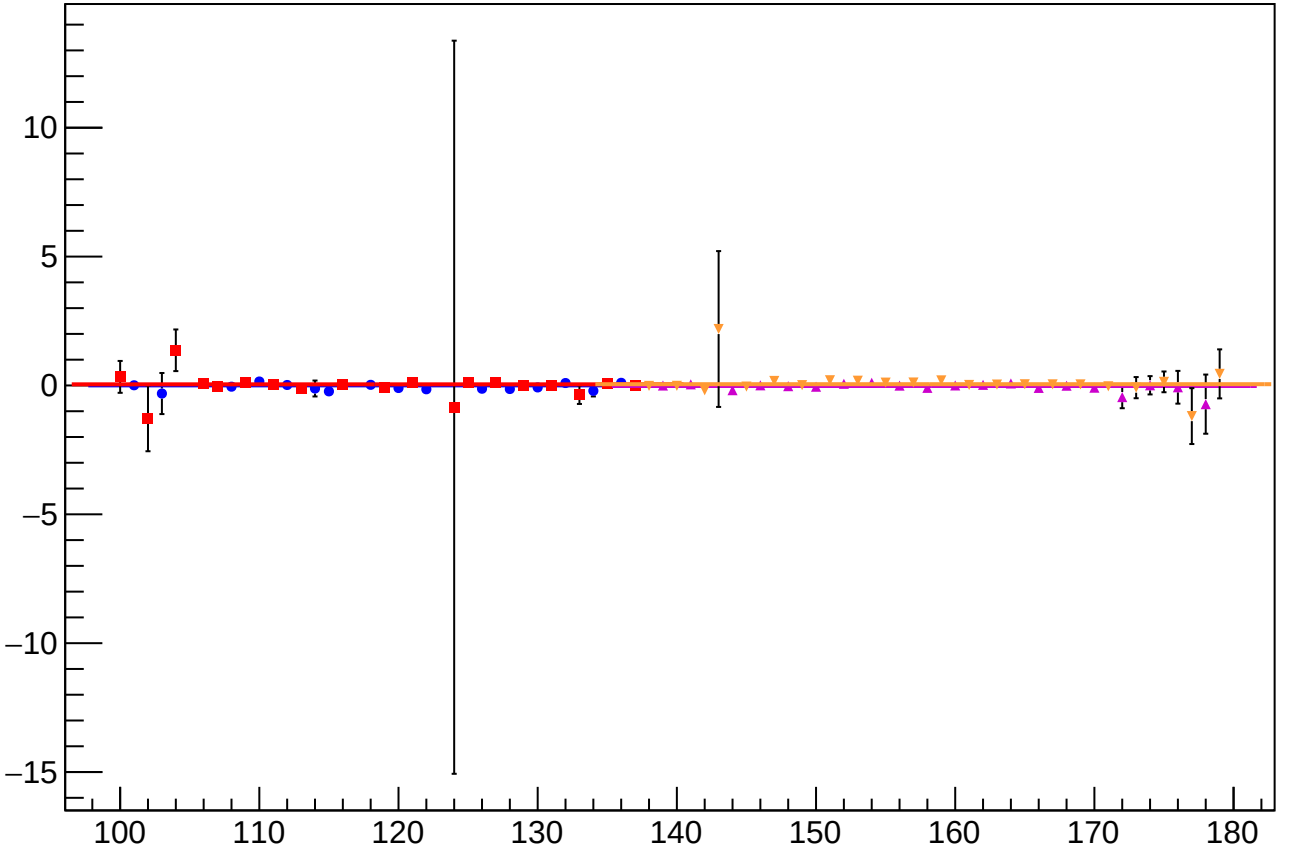
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15138105.2/35

Out: 0.004+/-0.000 χ^2/NDF:15096935.6/40

All: 0.004+/-0.000 χ^2/NDF: 30338355.2/76

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:13.1/19

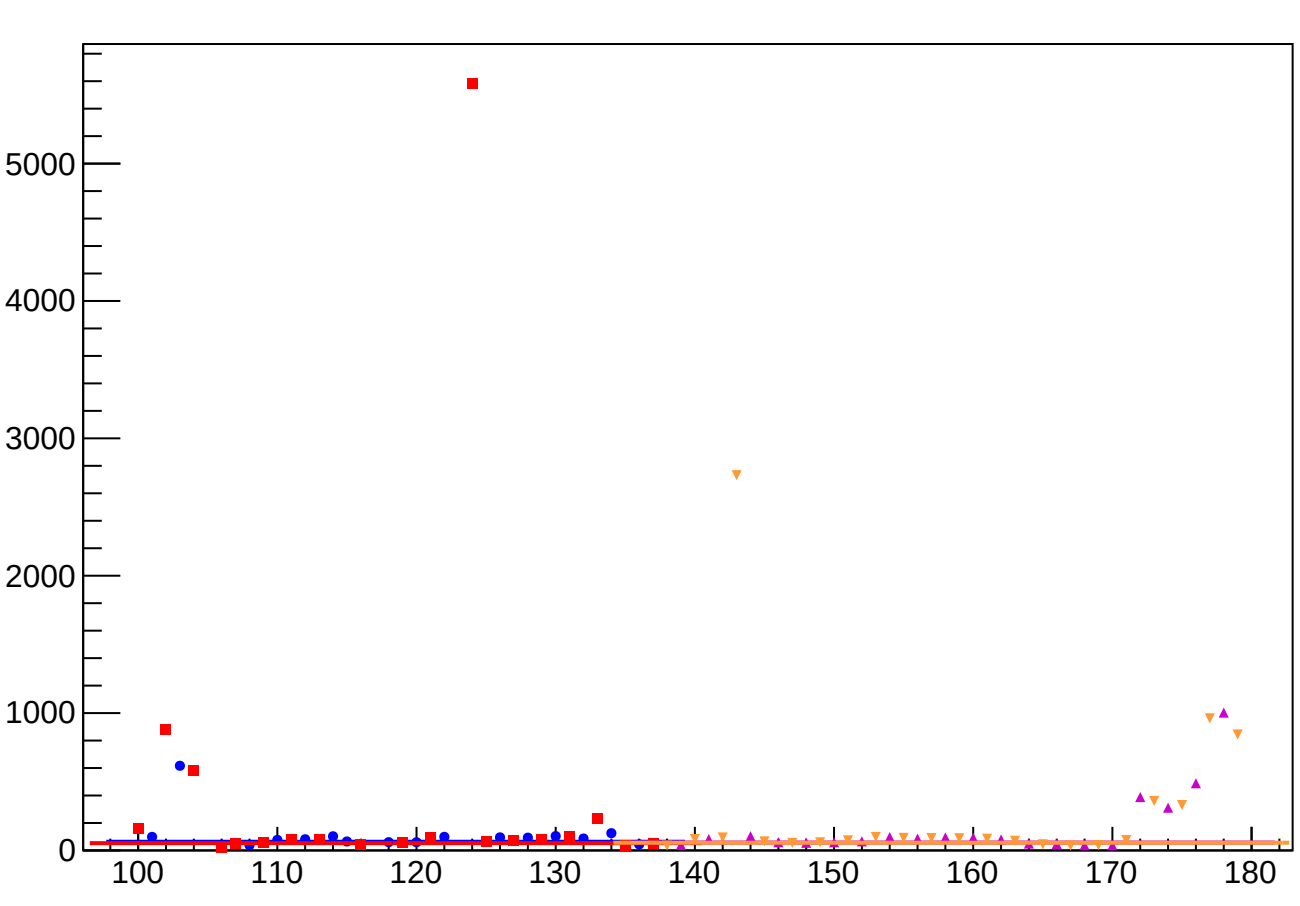
Left: 0.014+/-0.012 χ^2/NDF: 42.7/41

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 70.1/76



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.343+/-0.012 χ^2/NDF:9349318.1/21

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.623+/-0.012 χ^2/NDF:7146562.3/19

Left: 56.979+/-0.009 χ^2/NDF: 16501484.0/41

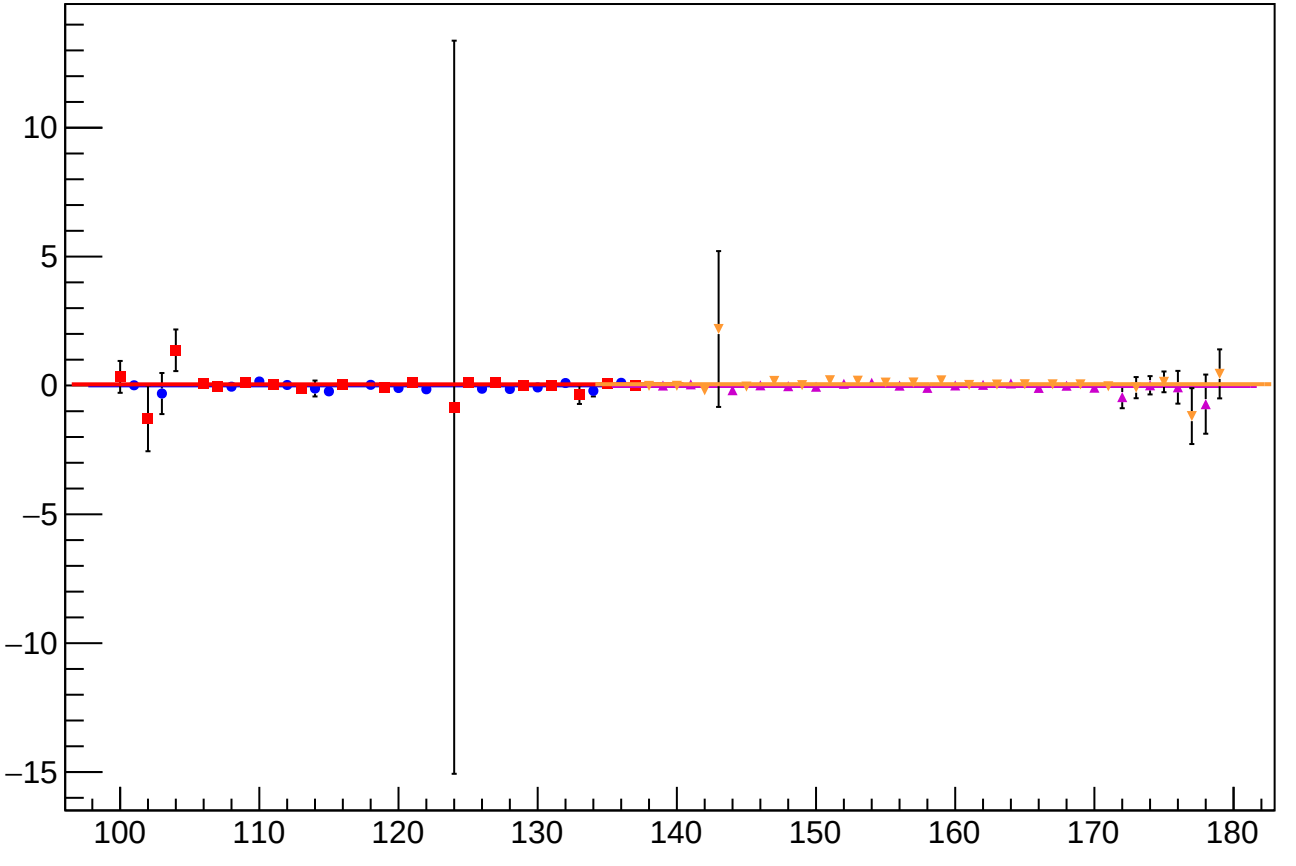
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.282+/-0.010 χ^2/NDF:9656842.9/35

Out: 55.337+/-0.010 χ^2/NDF:13317405.9/40

All: 57.247+/-0.007 χ^2/NDF: 23050555.0/76

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.4/21

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:13.1/19

Left: 0.014+/-0.012 χ^2/NDF: 42.7/41

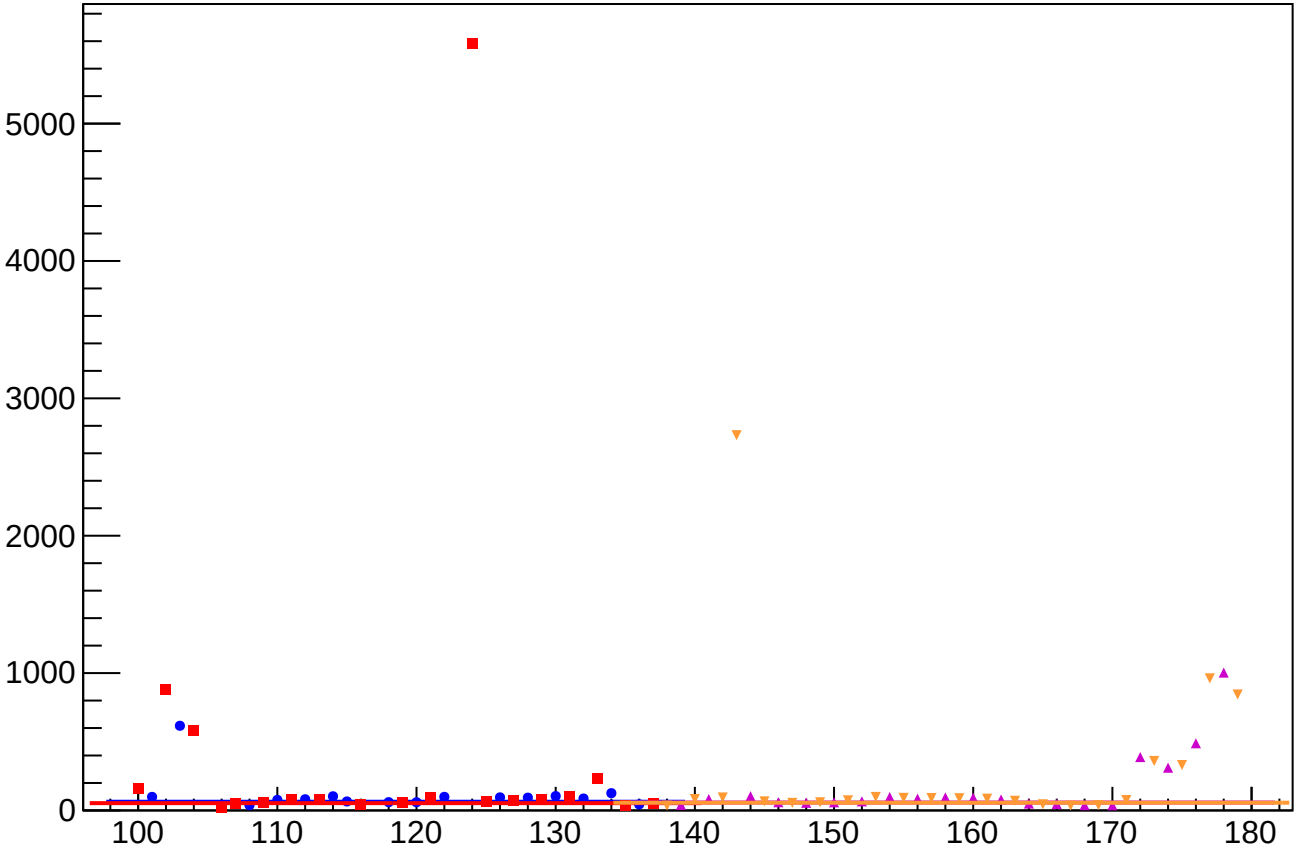
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:34.1/40

All: 0.018+/-0.010 χ^2/NDF: 70.1/76

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 56.343+/-0.012 χ^2/NDF:9349318.1/21

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.623+/-0.012 χ^2/NDF:7146562.3/19

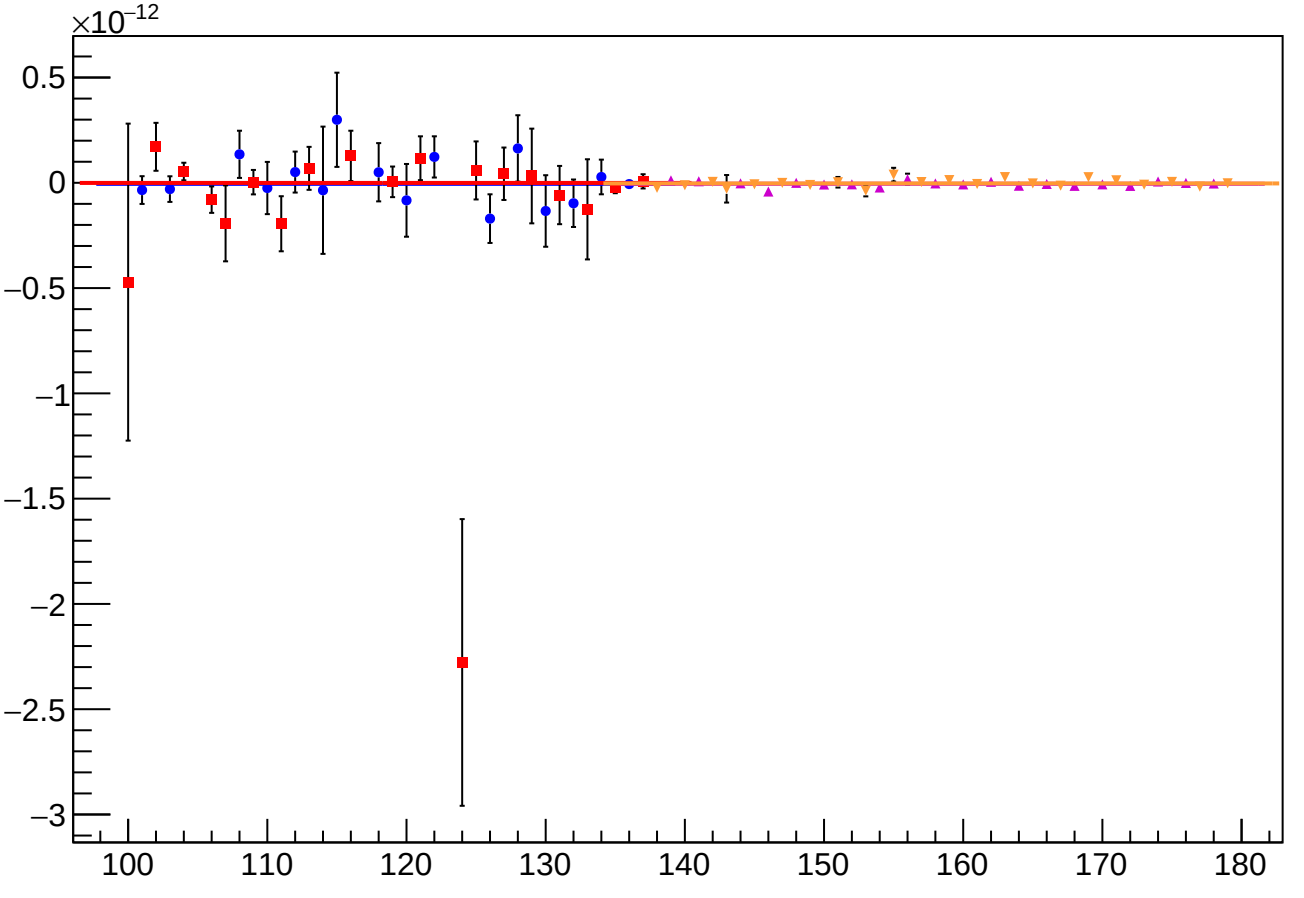
Left: 56.979+/-0.009 χ^2/NDF: 16501484.0/41

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.282+/-0.010 χ^2/NDF:9656842.9/35

Out: 55.337+/-0.010 χ^2/NDF:13317405.9/40

All: 57.247+/-0.007 χ^2/NDF: 23050555.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/19

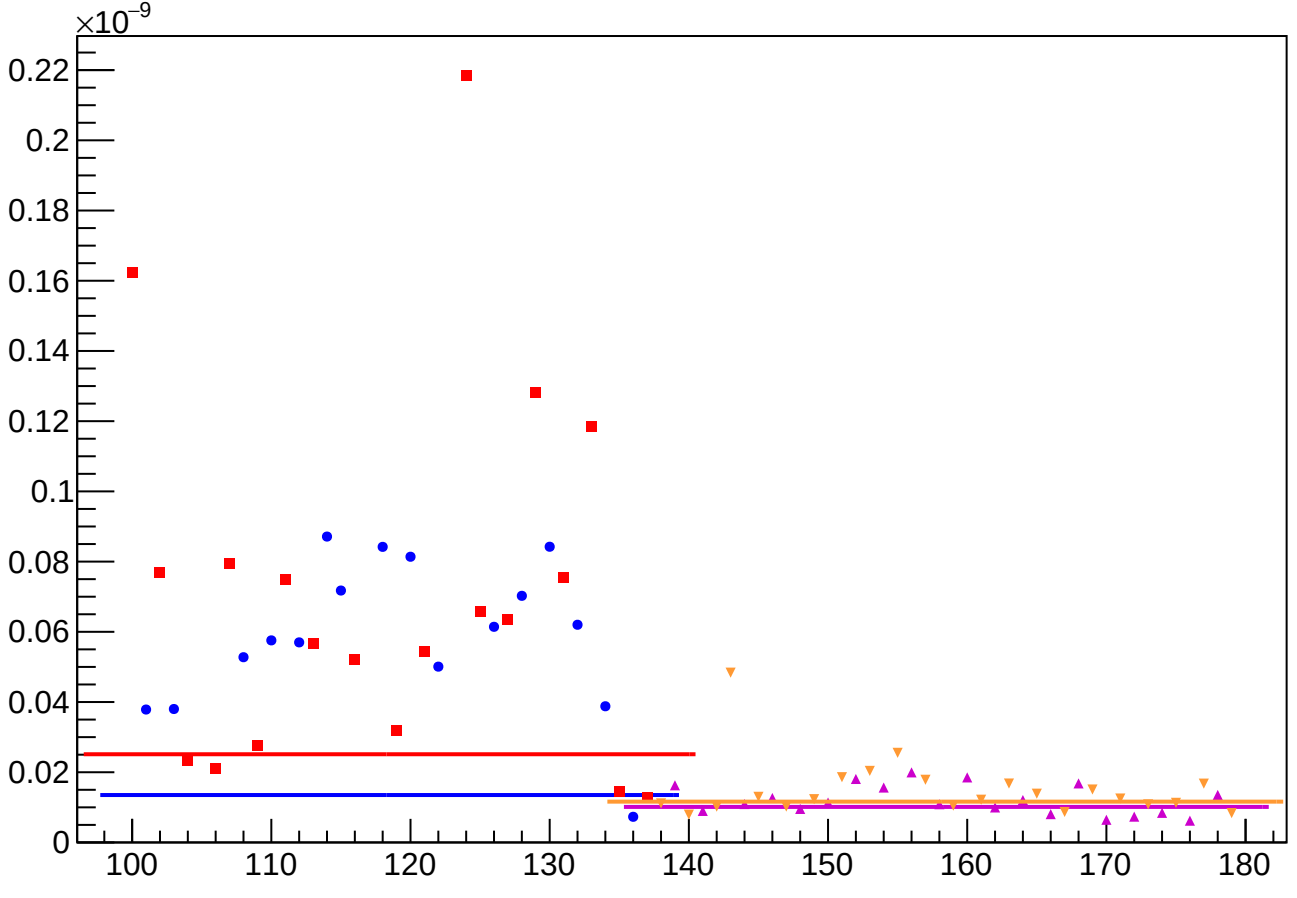
Left: -0.000+/-0.000 χ^2/NDF: 25.5/41

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:21.9/35

Out: -0.000+/-0.000 χ^2/NDF:39.5/40

All: -0.000+/-0.000 χ^2/NDF: 61.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2430048.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2211703.3/19

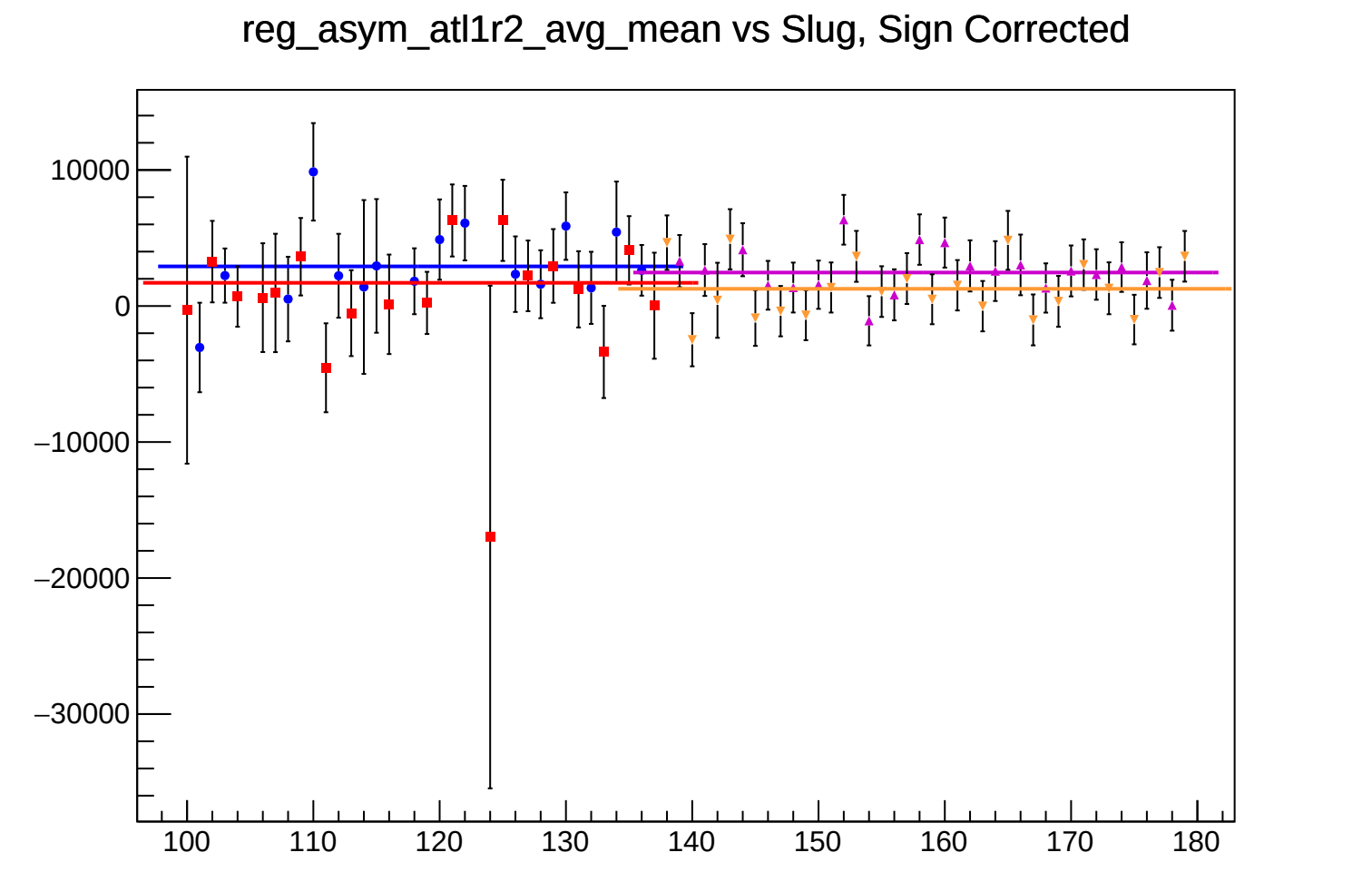
Left: 0.000+/-0.000 χ^2/NDF: 4835287.0/41

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:7402136.6/35

Out: 0.000+/-0.000 χ^2/NDF:7533721.7/40

All: 0.000+/-0.000 χ^2/NDF: 15266183.4/76



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.250+/-410.492 χ^2/NDF:23.8/21

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2462.724+/-422.563 χ^2/NDF:16.4/19

Left: 1846.639+/-294.436 χ^2/NDF: 44.3/41

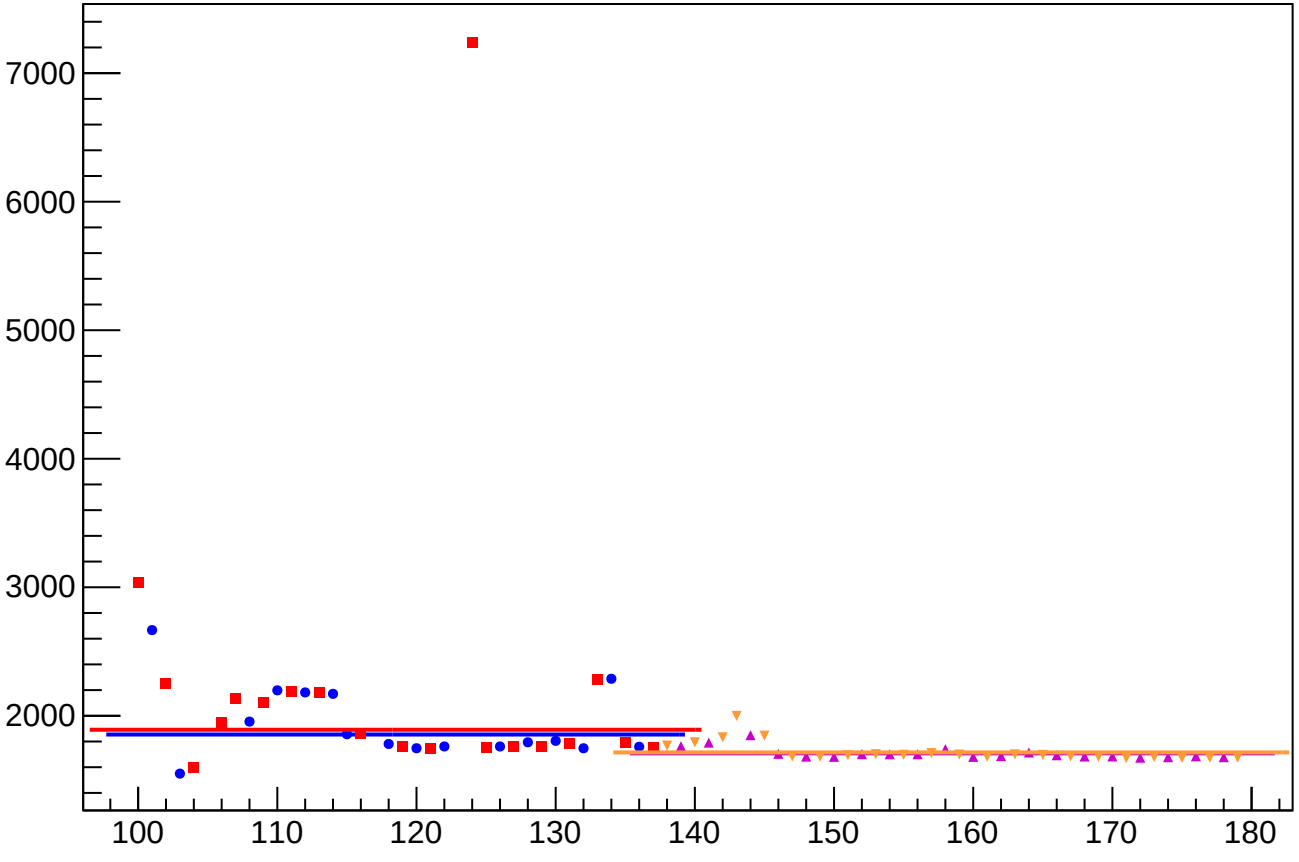
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2584.234+/-361.072 χ^2/NDF:29.1/35

Out: 1376.130+/-354.974 χ^2/NDF:39.9/40

All: 1969.895+/-253.133 χ^2/NDF: 74.7/76

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

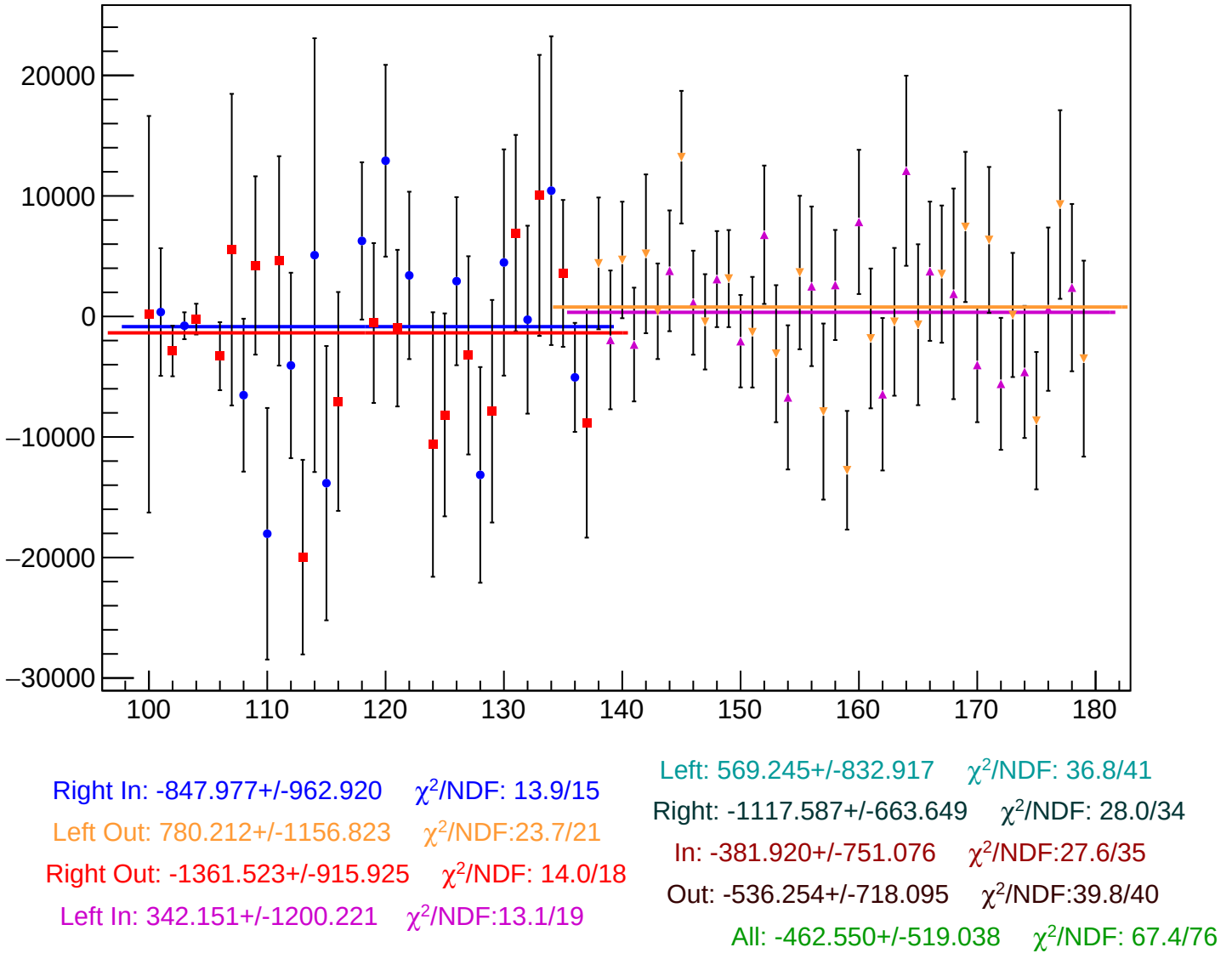
Left: 1711.678+/-0.208 χ^2/NDF: 79625.5/41

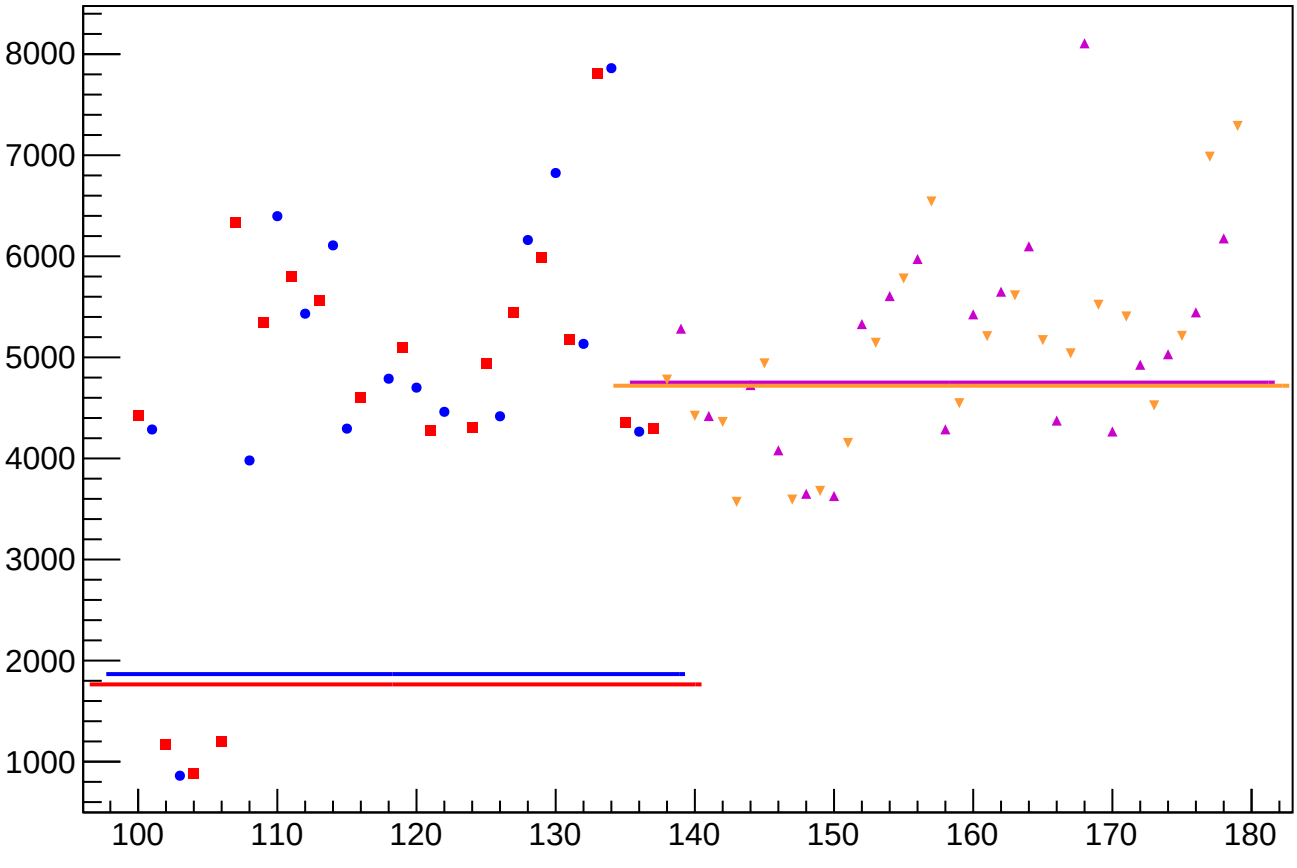
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1747.387+/-0.255 χ^2/NDF:349190.5/35

Out: 1759.865+/-0.251 χ^2/NDF:515569.7/40

All: 1753.736+/-0.179 χ^2/NDF: 865975.6/76


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 780.212+/-1156.823 χ²/NDF:23.7/21
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 342.151+/-1200.221 χ²/NDF:13.1/19
Left: 569.245+/-832.917 χ²/NDF: 36.8/41
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -381.920+/-751.076 χ²/NDF:27.6/35
Out: -536.254+/-718.095 χ²/NDF:39.8/40
All: -462.550+/-519.038 χ²/NDF: 67.4/76



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4719.335+/-0.818 χ^2/NDF:1221391.6/21

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4750.807+/-0.849 χ^2/NDF:1110491.3/19

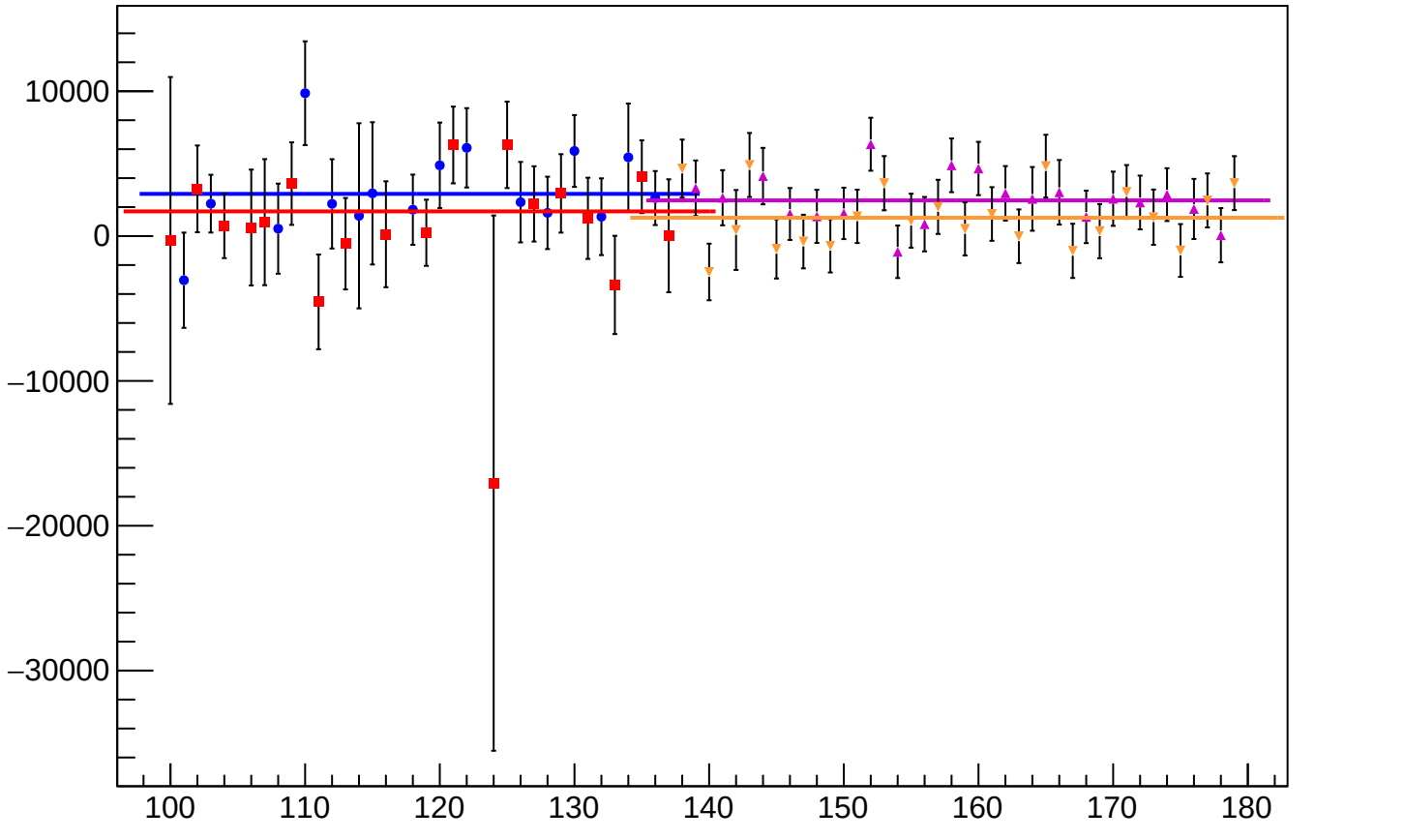
Left: 4734.492+/-0.589 χ^2/NDF: 2332595.8/41

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2995.944+/-0.531 χ^2/NDF:14987727.9/35

Out: 2902.944+/-0.508 χ^2/NDF:15677982.2/40

All: 2947.357+/-0.367 χ^2/NDF: 30681730.0/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2462.678+/-422.563 χ^2/NDF:16.4/19

Left: 1846.569+/-294.436 χ^2/NDF: 44.3/41

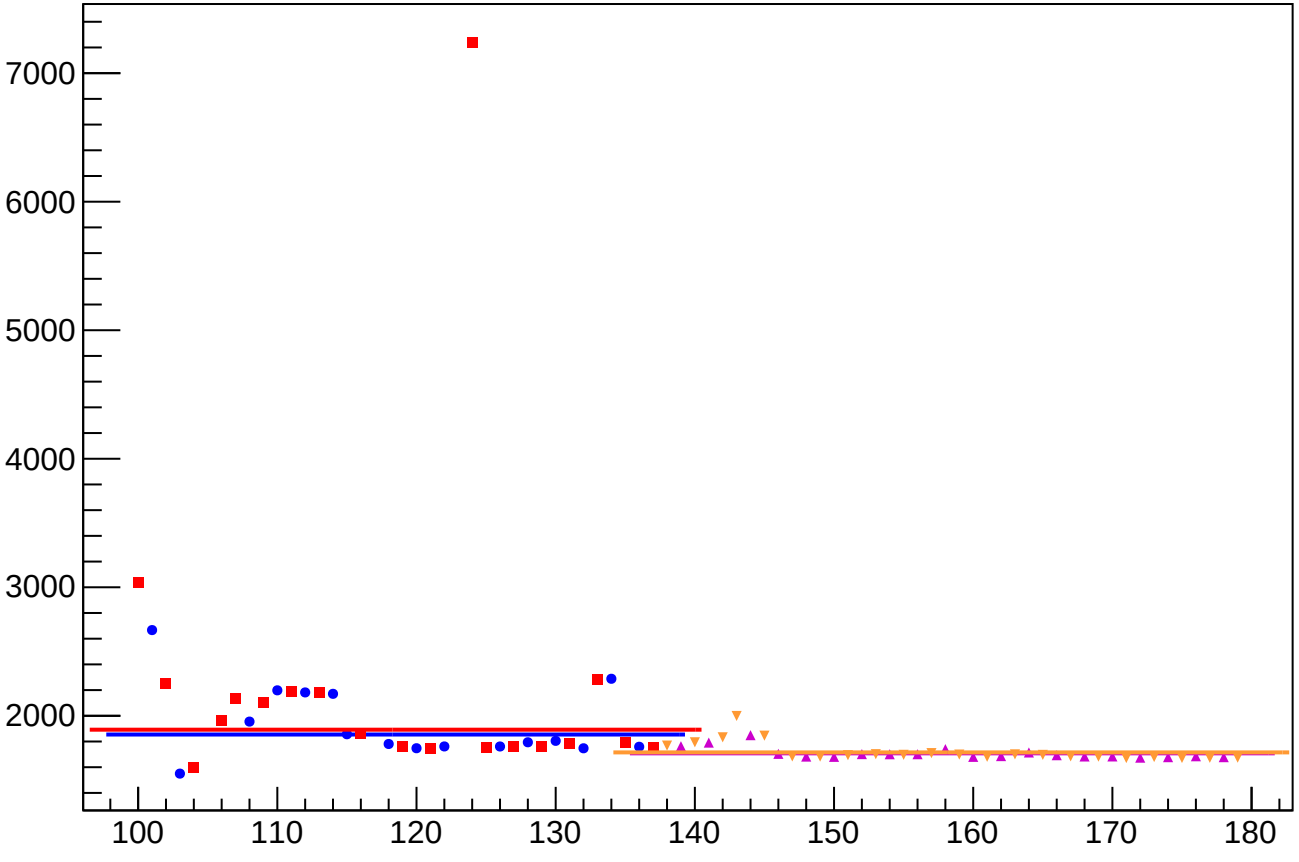
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2584.227+/-361.072 χ^2/NDF:29.1/35

Out: 1375.712+/-354.975 χ^2/NDF:39.9/40

All: 1969.679+/-253.133 χ^2/NDF: 74.7/76

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

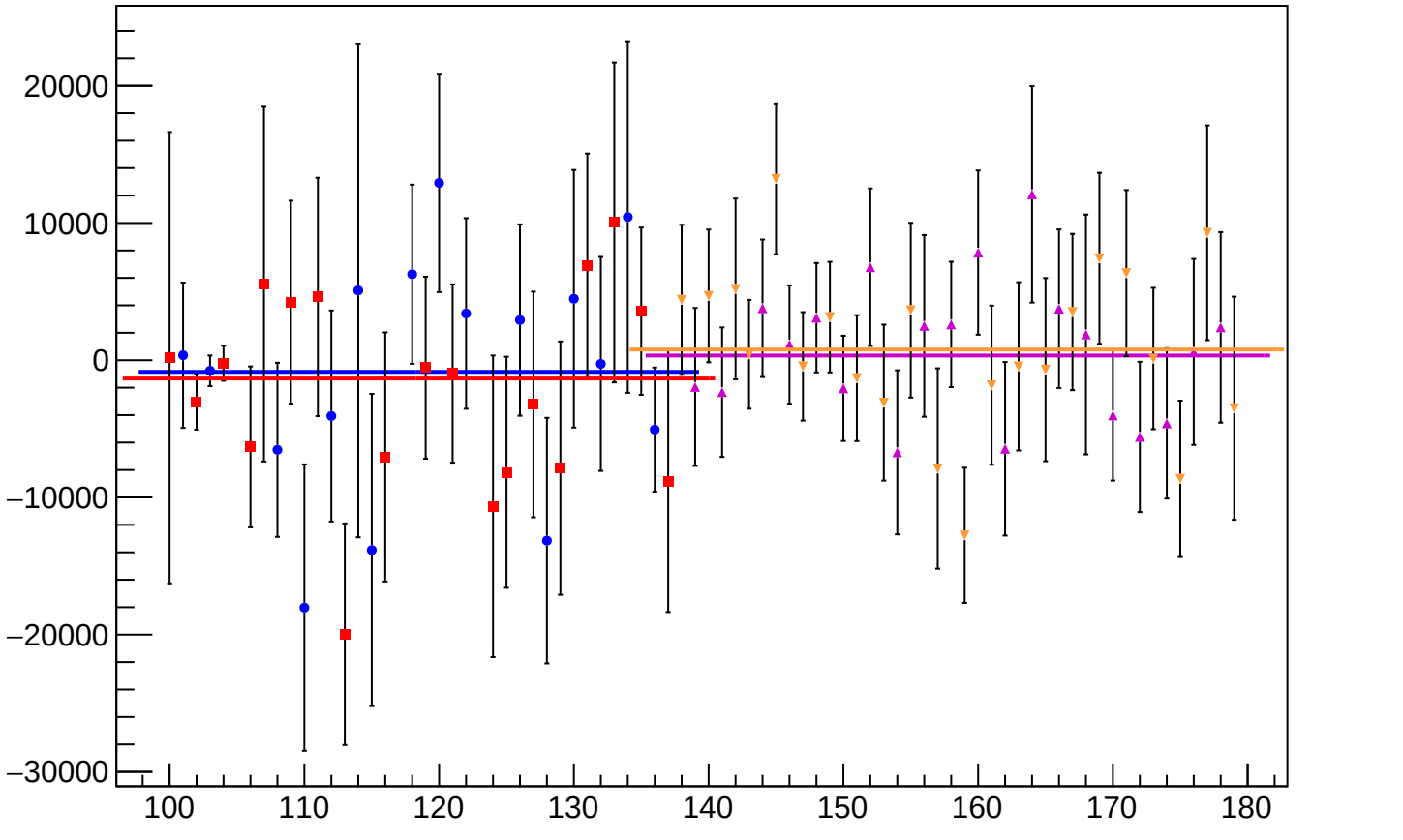
Left: 1711.678+/-0.208 χ^2/NDF: 79625.5/41

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1747.387+/-0.255 χ^2/NDF:349190.4/35

Out: 1759.966+/-0.251 χ^2/NDF:516265.3/40

All: 1753.787+/-0.179 χ^2/NDF: 866690.8/76



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 342.197+/-1200.221 χ^2/NDF:13.1/19

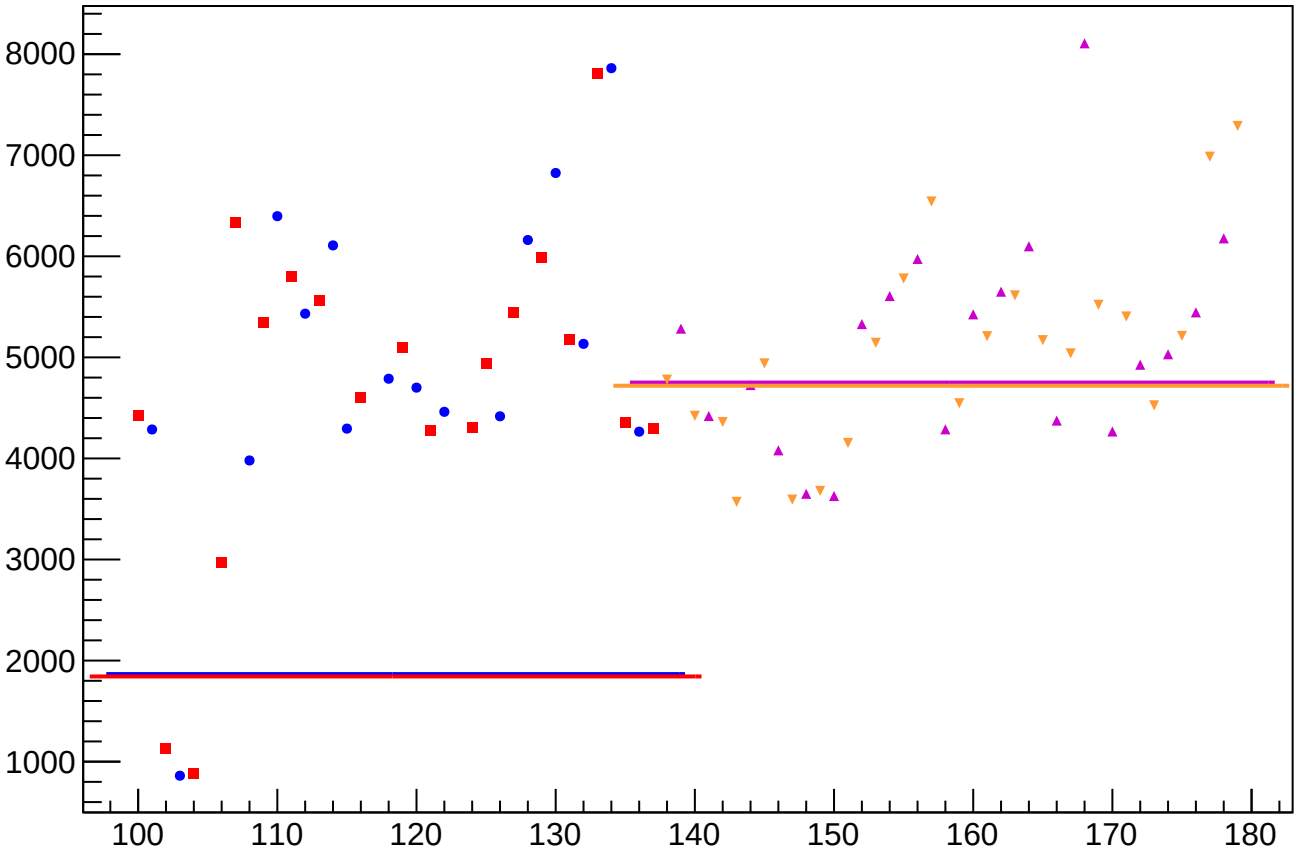
Left: 569.262+/-832.917 χ^2/NDF: 36.8/41

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -381.645+/-751.051 χ^2/NDF:27.6/35

Out: -482.859+/-733.318 χ^2/NDF:40.1/40

All: -433.461+/-524.691 χ^2/NDF: 67.7/76



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

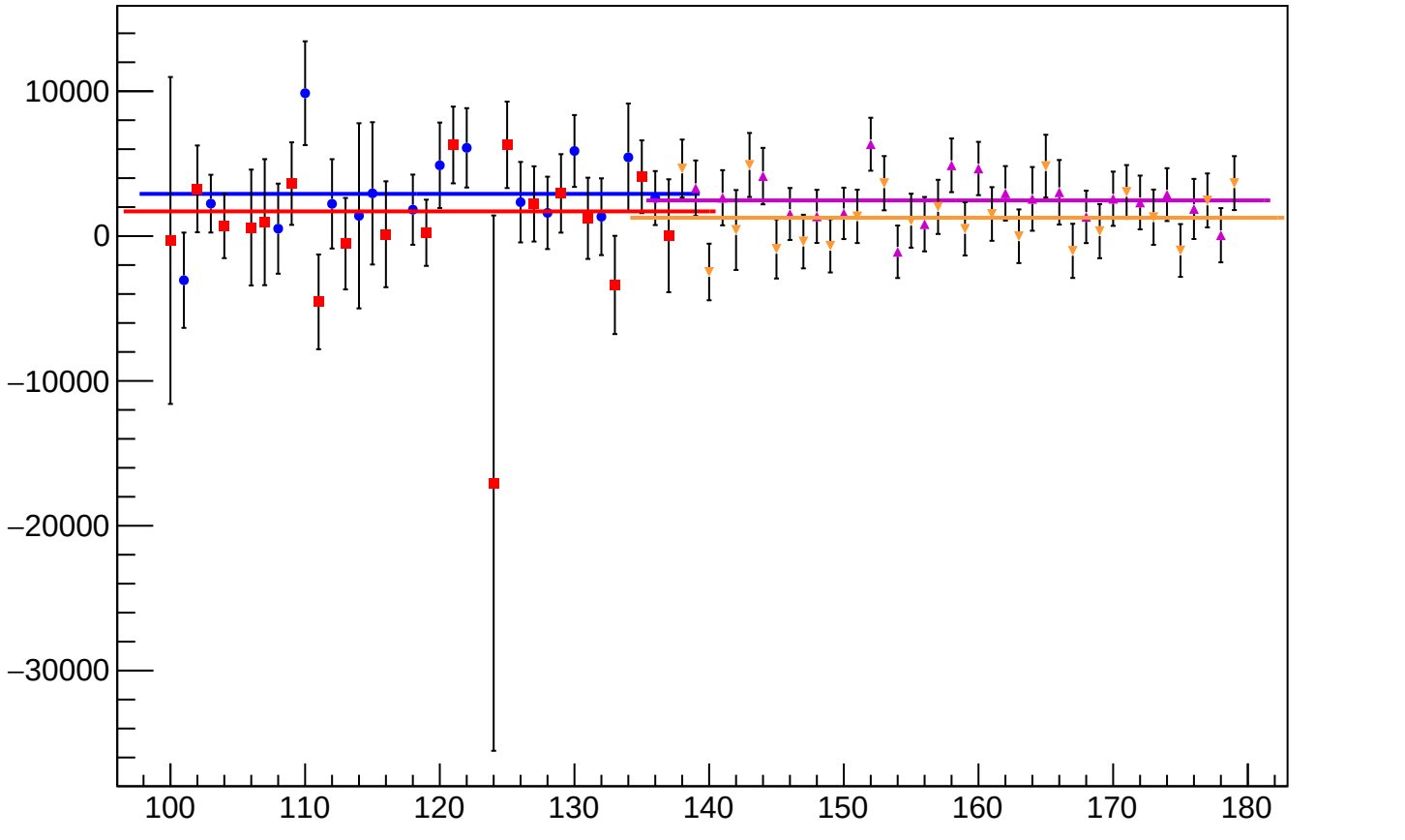
Left: 4734.488+/-0.589 χ^2/NDF: 2332629.8/41

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2995.774+/-0.531 χ^2/NDF:14989214.4/35

Out: 2998.749+/-0.519 χ^2/NDF:15076400.0/40

All: 2997.297+/-0.371 χ^2/NDF: 30065630.5/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1265.156+/-410.492 χ^2/NDF:23.8/21

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2462.678+/-422.563 χ^2/NDF:16.4/19

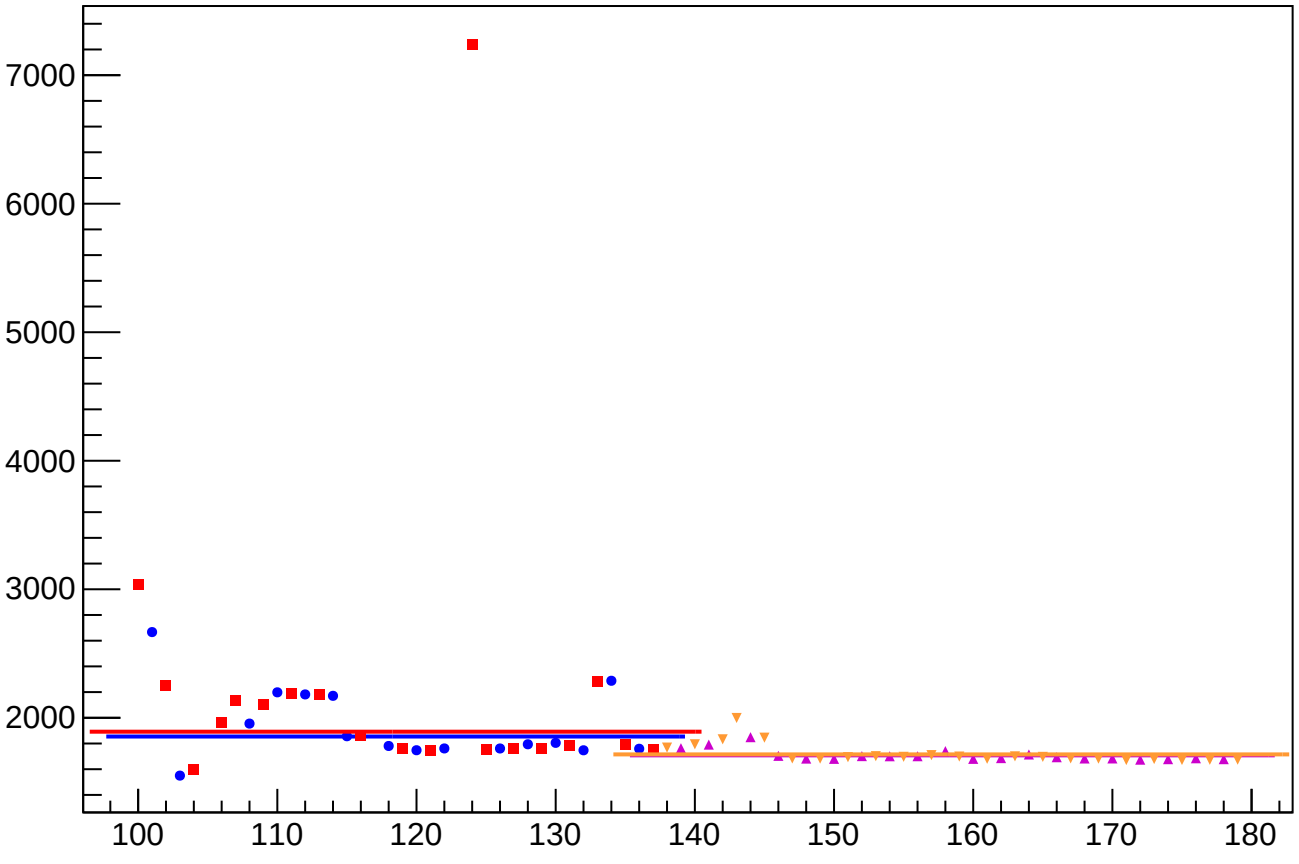
Left: 1846.569+/-294.436 χ^2/NDF: 44.3/41

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2584.227+/-361.072 χ^2/NDF:29.1/35

Out: 1375.712+/-354.975 χ^2/NDF:39.9/40

All: 1969.679+/-253.133 χ^2/NDF: 74.7/76



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1715.275+/-0.290 χ^2/NDF:58267.9/21

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1707.866+/-0.299 χ^2/NDF:21041.3/19

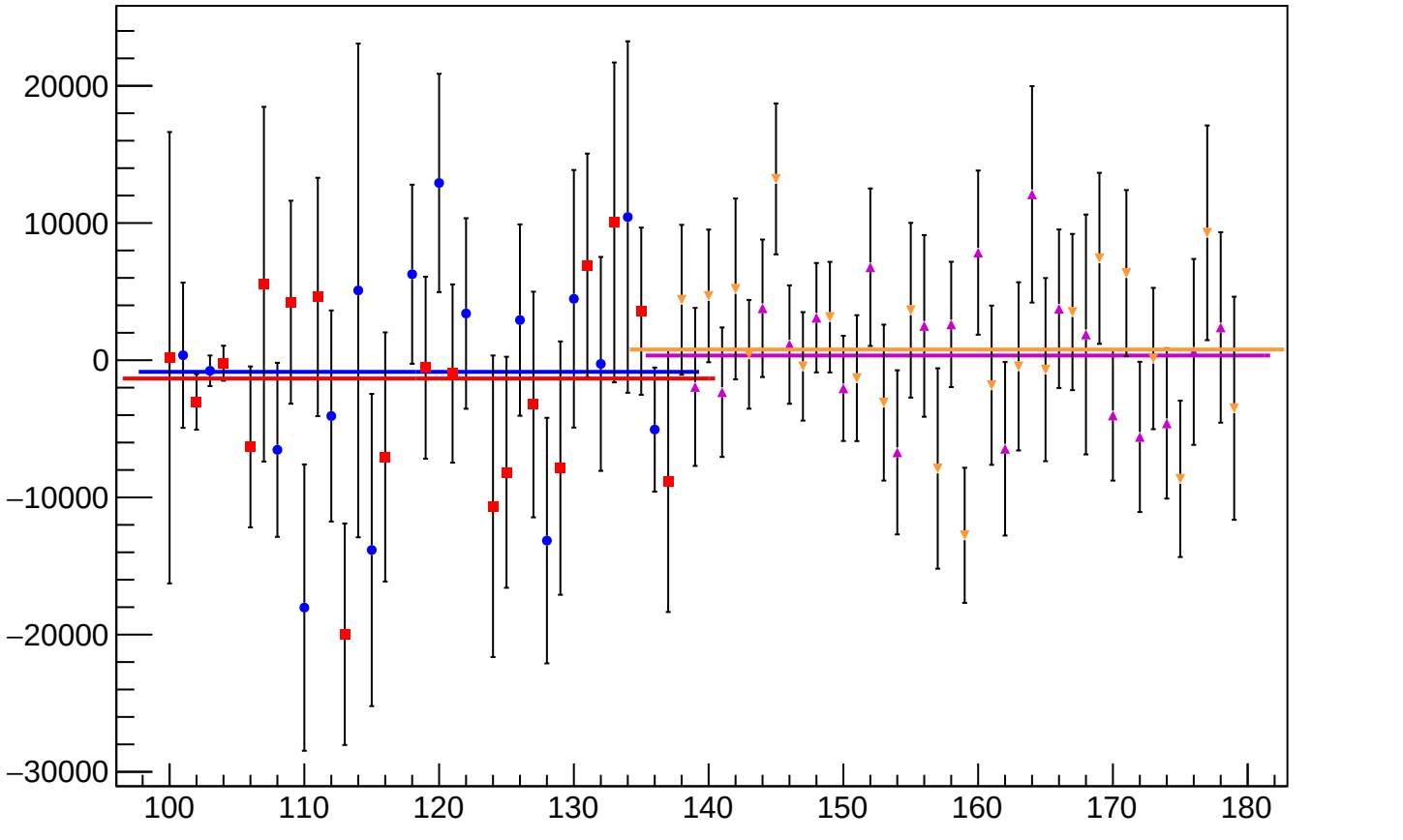
Left: 1711.678+/-0.208 χ^2/NDF: 79625.5/41

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1747.387+/-0.255 χ^2/NDF:349190.4/35

Out: 1759.966+/-0.251 χ^2/NDF:516265.3/40

All: 1753.787+/-0.179 χ^2/NDF: 866690.8/76



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 780.202+/-1156.821 χ^2/NDF:23.7/21

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 342.197+/-1200.221 χ^2/NDF:13.1/19

Left: 569.262+/-832.917 χ^2/NDF: 36.8/41

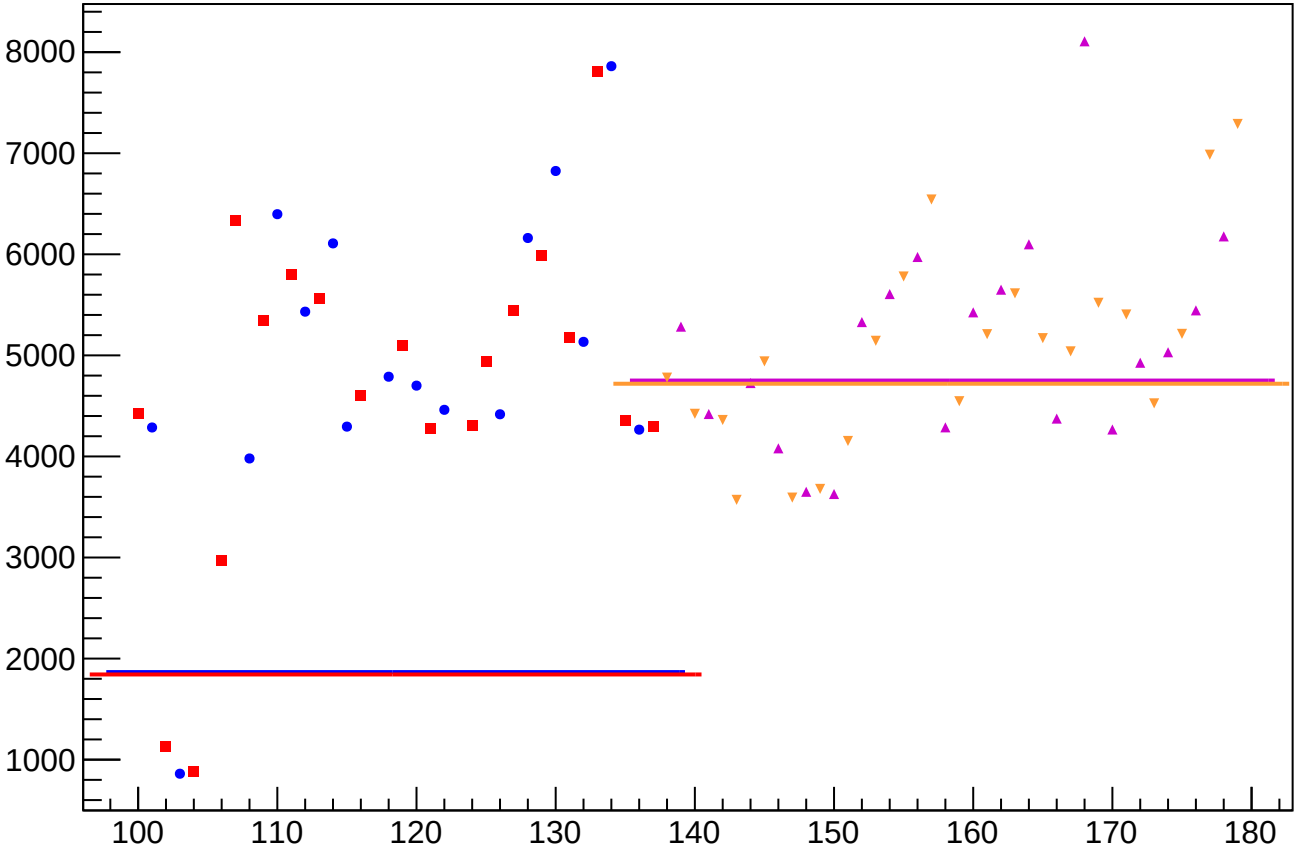
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -381.645+/-751.051 χ^2/NDF:27.6/35

Out: -482.859+/-733.318 χ^2/NDF:40.1/40

All: -433.461+/-524.691 χ^2/NDF: 67.7/76

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4719.329+/-0.818 χ^2/NDF:1221407.7/21

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

Left: 4734.488+/-0.589 χ^2/NDF: 2332629.8/41

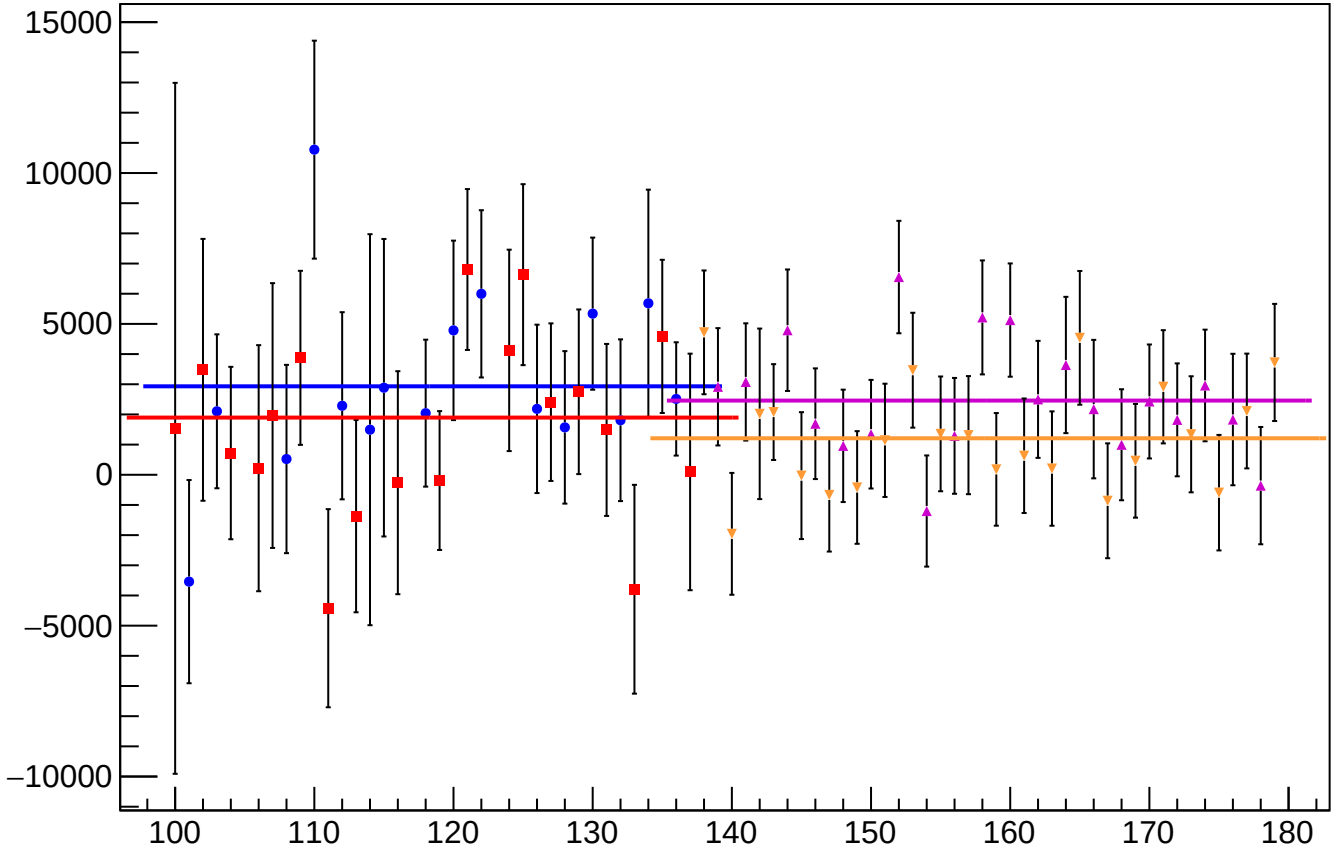
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2995.774+/-0.531 χ^2/NDF:14989214.4/35

Out: 2998.749+/-0.519 χ^2/NDF:15076400.0/40

All: 2997.297+/-0.371 χ^2/NDF: 30065630.5/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1209.510+/-412.624 χ^2/NDF:17.2/21

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2459.251+/-431.515 χ^2/NDF:19.3/19

Left: 1806.427+/-298.224 χ^2/NDF: 40.9/41

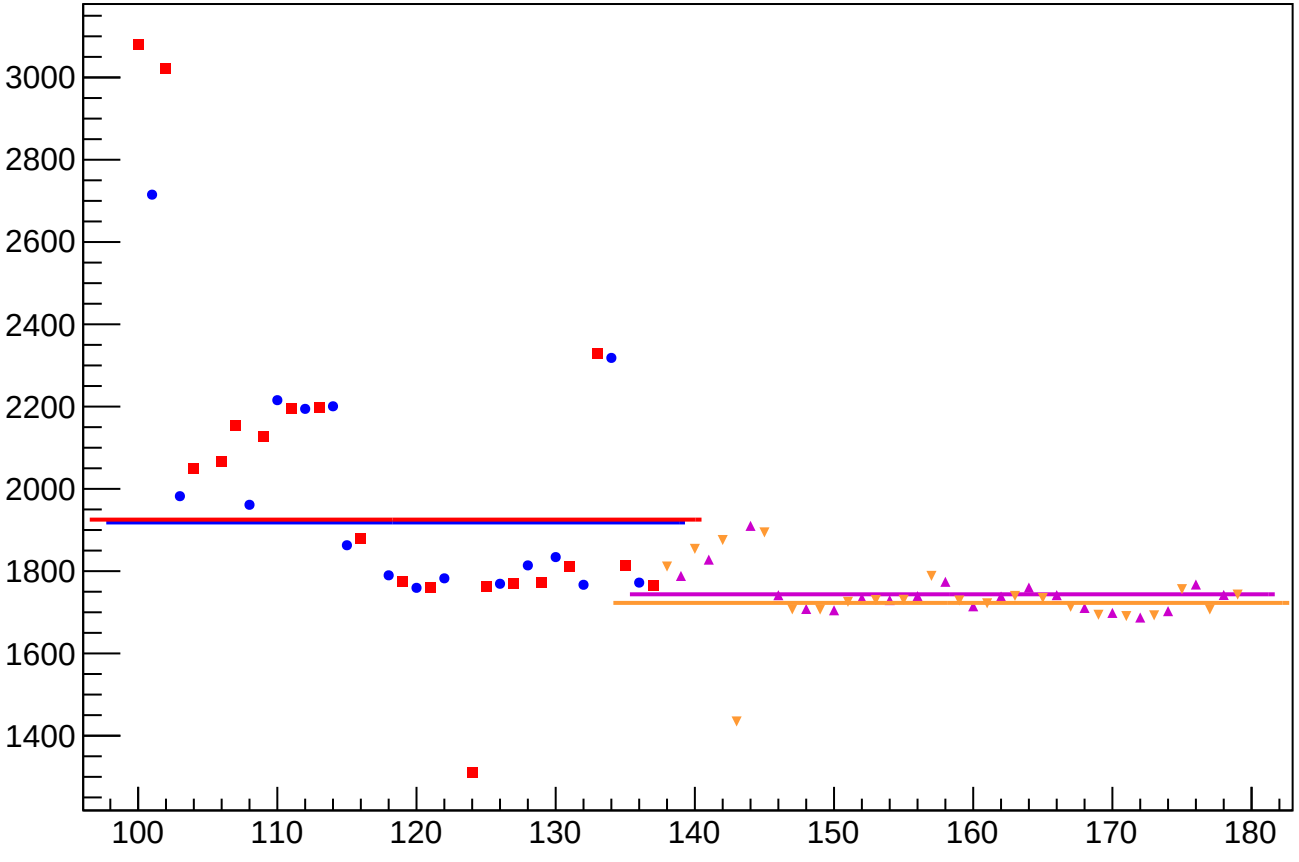
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2584.535+/-369.900 χ^2/NDF:32.6/35

Out: 1378.419+/-358.241 χ^2/NDF:35.3/40

All: 1962.170+/-257.338 χ^2/NDF: 73.3/76

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.836+/-0.292 χ^2/NDF:102604.7/21

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1743.744+/-0.305 χ^2/NDF:26274.2/19

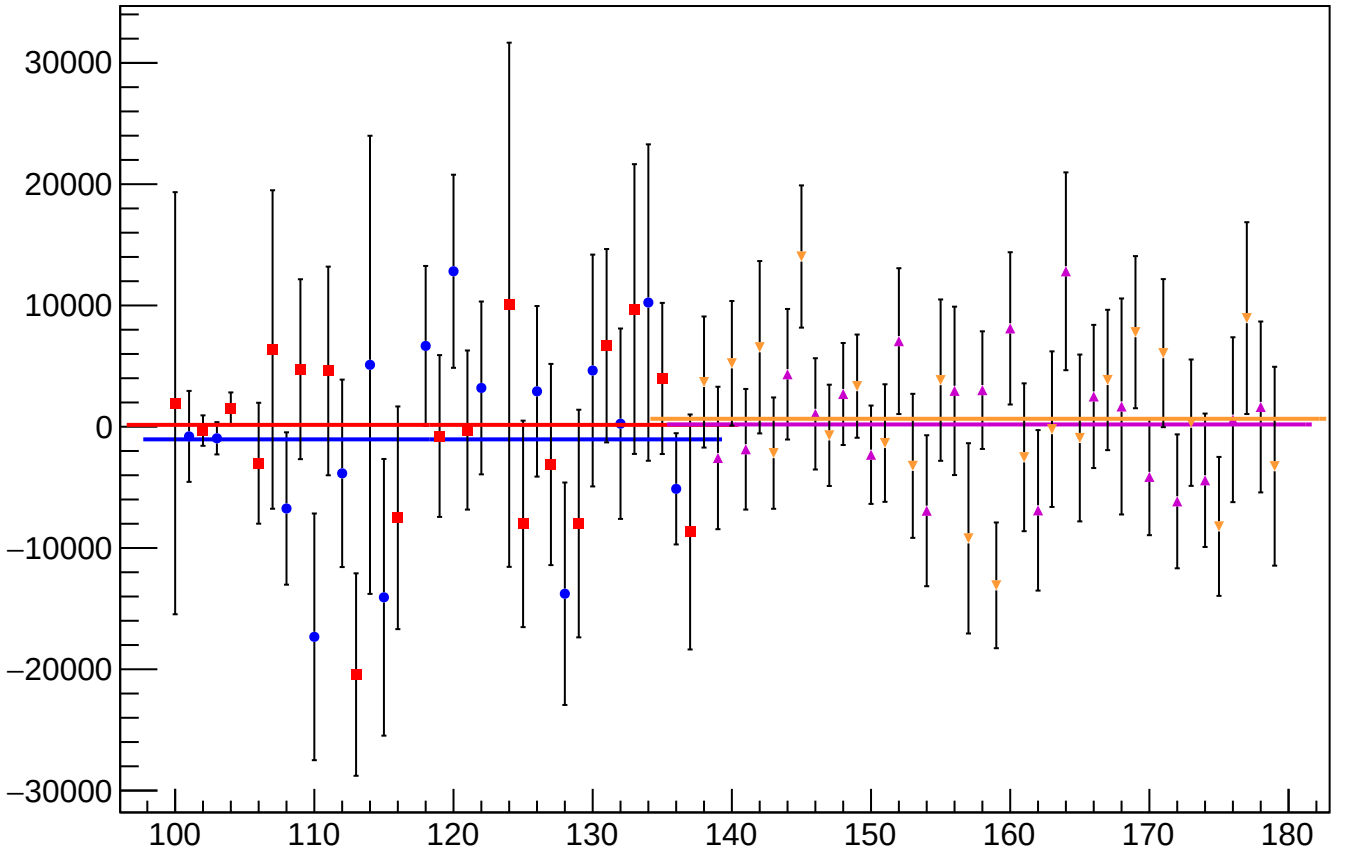
Left: 1732.823+/-0.211 χ^2/NDF: 131331.6/41

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1790.052+/-0.262 χ^2/NDF:328721.2/35

Out: 1772.740+/-0.253 χ^2/NDF:560362.2/40

All: 1781.117+/-0.182 χ^2/NDF: 891344.4/76



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 655.320+/-1212.091 χ^2/NDF:23.8/21

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 188.638+/-1249.119 χ^2/NDF:13.1/19

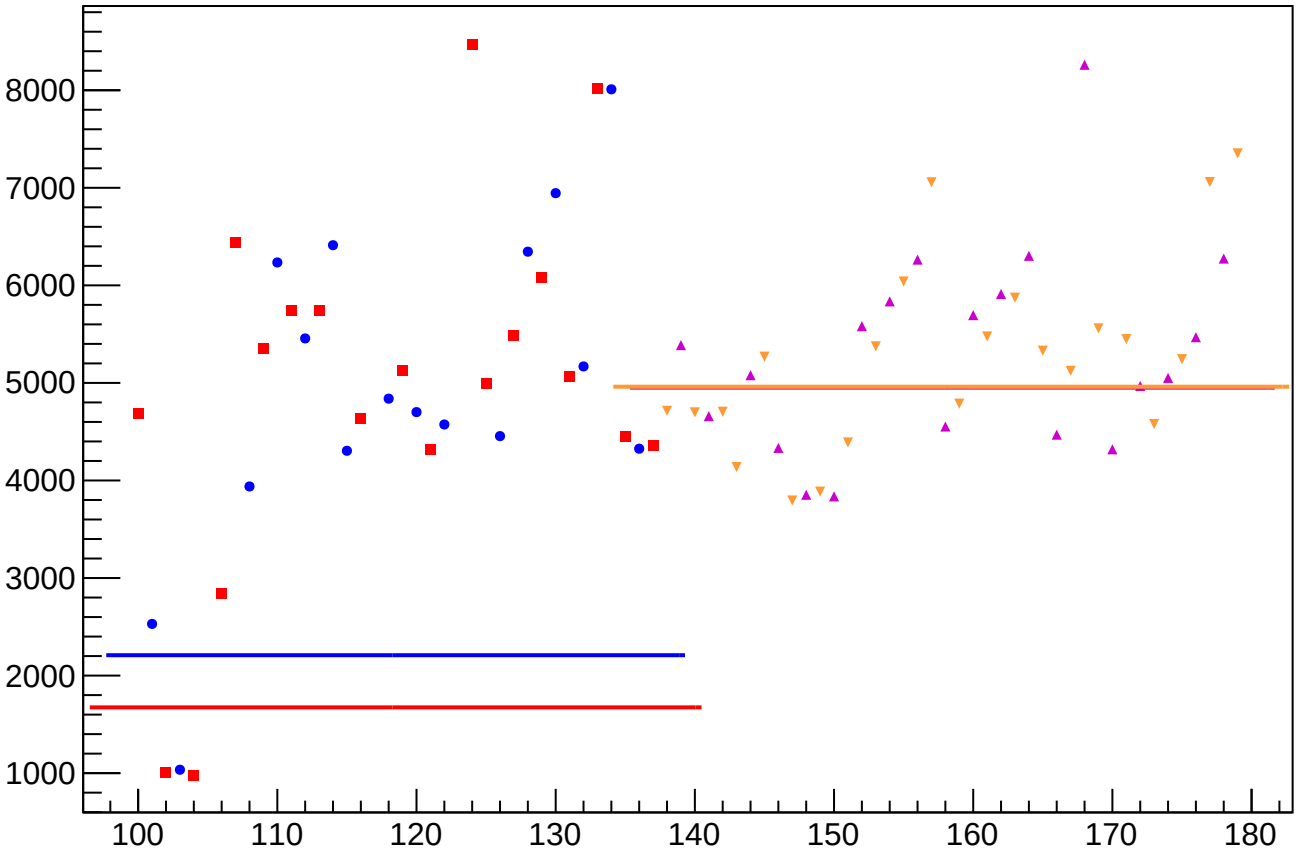
Left: 428.998+/-869.874 χ^2/NDF: 36.9/41

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -519.764+/-813.674 χ^2/NDF:27.5/35

Out: 315.257+/-687.994 χ^2/NDF:37.6/40

All: -32.854+/-525.364 χ^2/NDF: 65.7/76



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4961.240+/-0.857 χ^2/NDF:1020208.8/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4951.678+/-0.883 χ^2/NDF:1021849.8/19

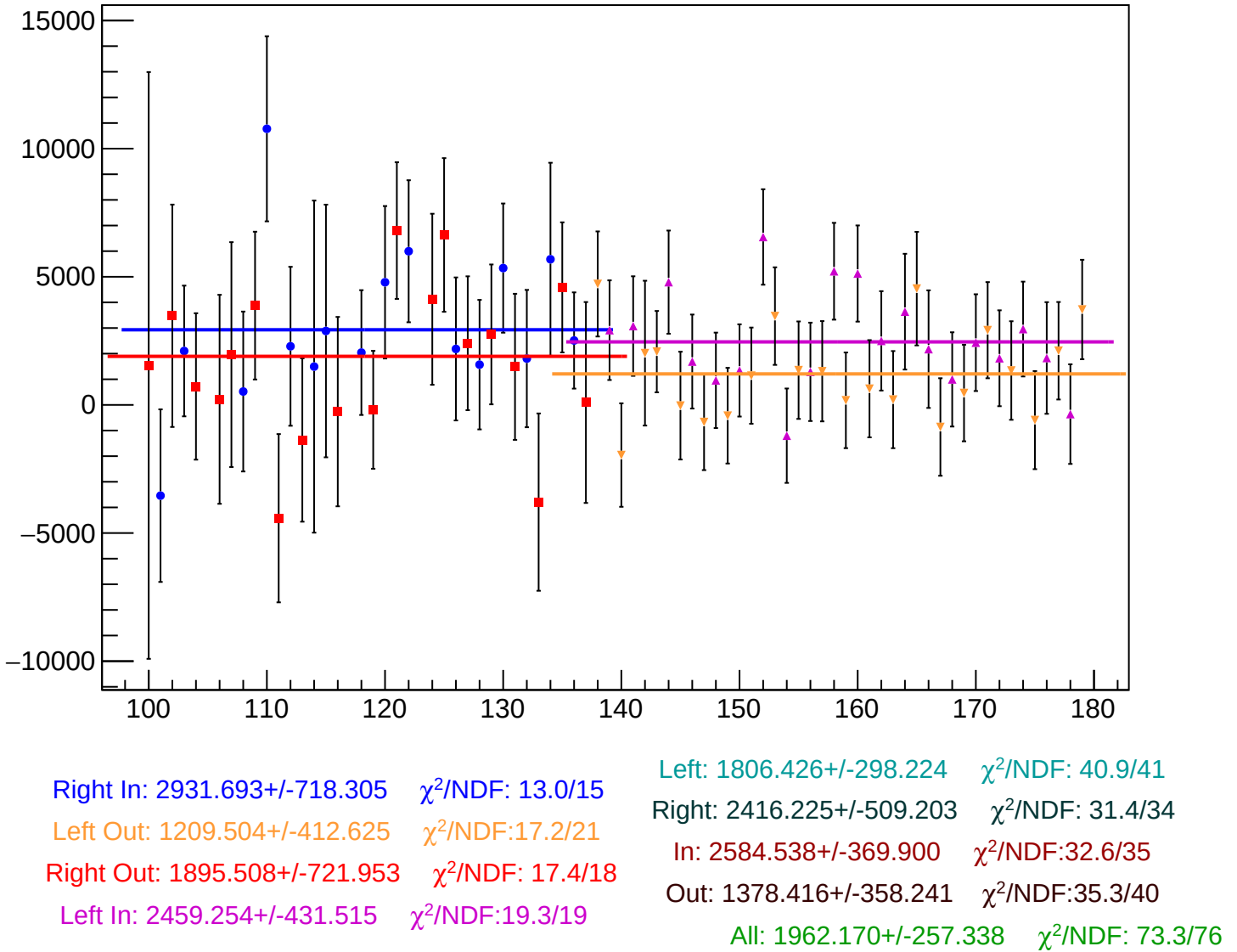
Left: 4956.603+/-0.615 χ^2/NDF: 2042119.0/41

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

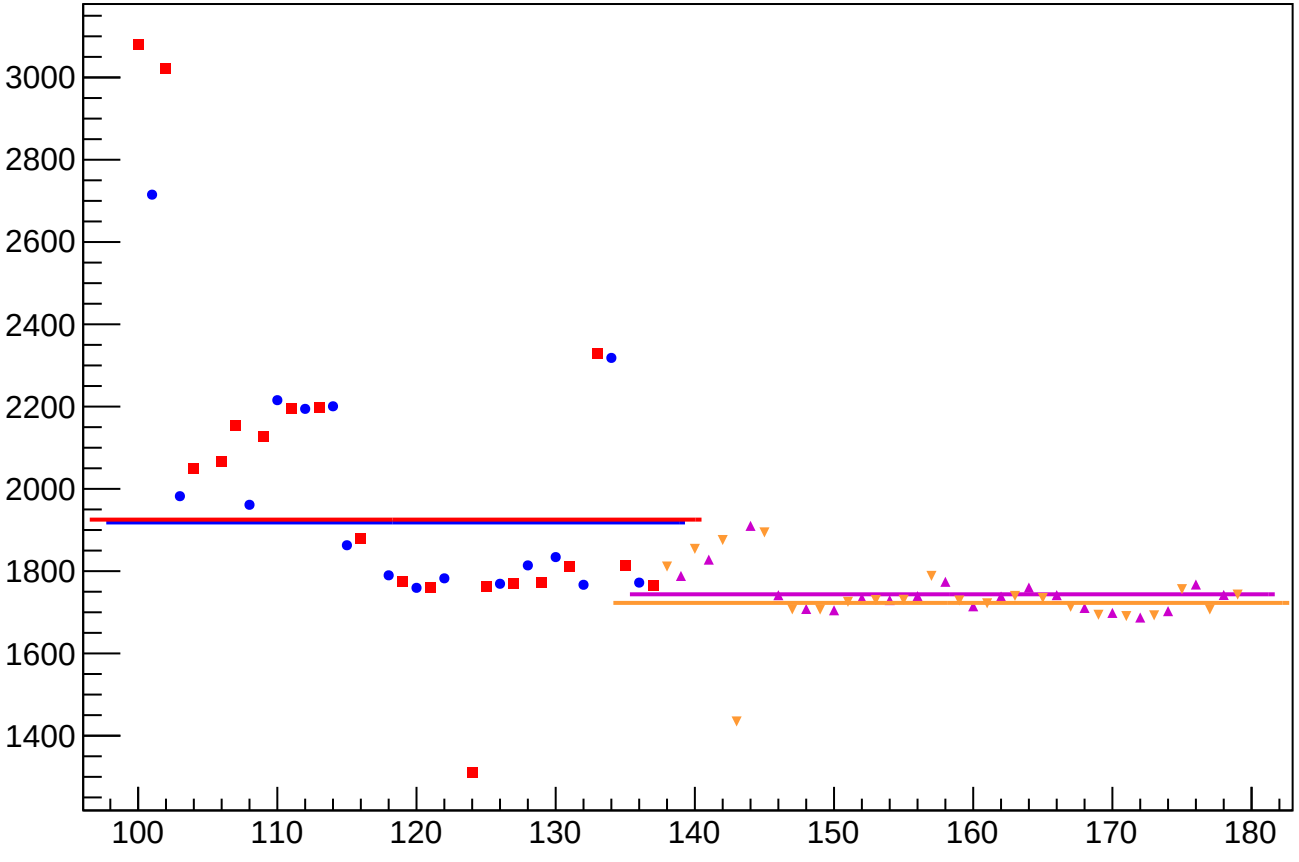
In: 3372.720+/-0.575 χ^2/NDF:12071993.0/35

Out: 2733.193+/-0.486 χ^2/NDF:17843395.3/40

All: 2999.804+/-0.371 χ^2/NDF: 30635830.2/7


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 1209.504+/-412.625 χ²/NDF:17.2/21
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2459.254+/-431.515 χ²/NDF:19.3/19
Left: 1806.426+/-298.224 χ²/NDF: 40.9/41
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2584.538+/-369.900 χ²/NDF:32.6/35
Out: 1378.416+/-358.241 χ²/NDF:35.3/40
All: 1962.170+/-257.338 χ²/NDF: 73.3/76

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.837+/-0.292 χ^2/NDF:102603.9/21

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1743.745+/-0.305 χ^2/NDF:26274.2/19

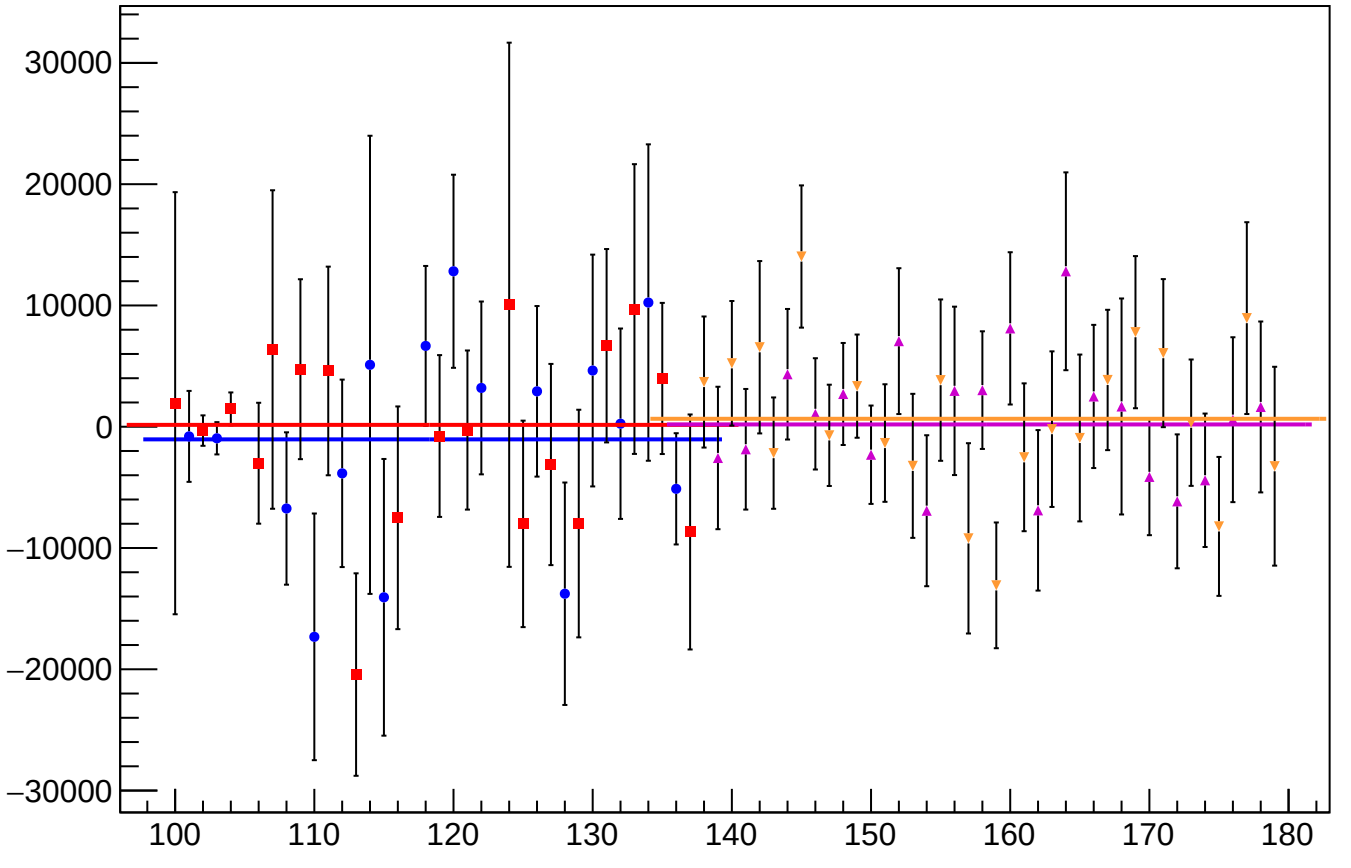
Left: 1732.823+/-0.211 χ^2/NDF: 131330.8/41

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1790.052+/-0.262 χ^2/NDF:328719.9/35

Out: 1772.740+/-0.253 χ^2/NDF:560358.7/40

All: 1781.117+/-0.182 χ^2/NDF: 891339.6/76



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 655.318+/-1212.093 χ^2/NDF:23.8/21

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 188.636+/-1249.121 χ^2/NDF:13.1/19

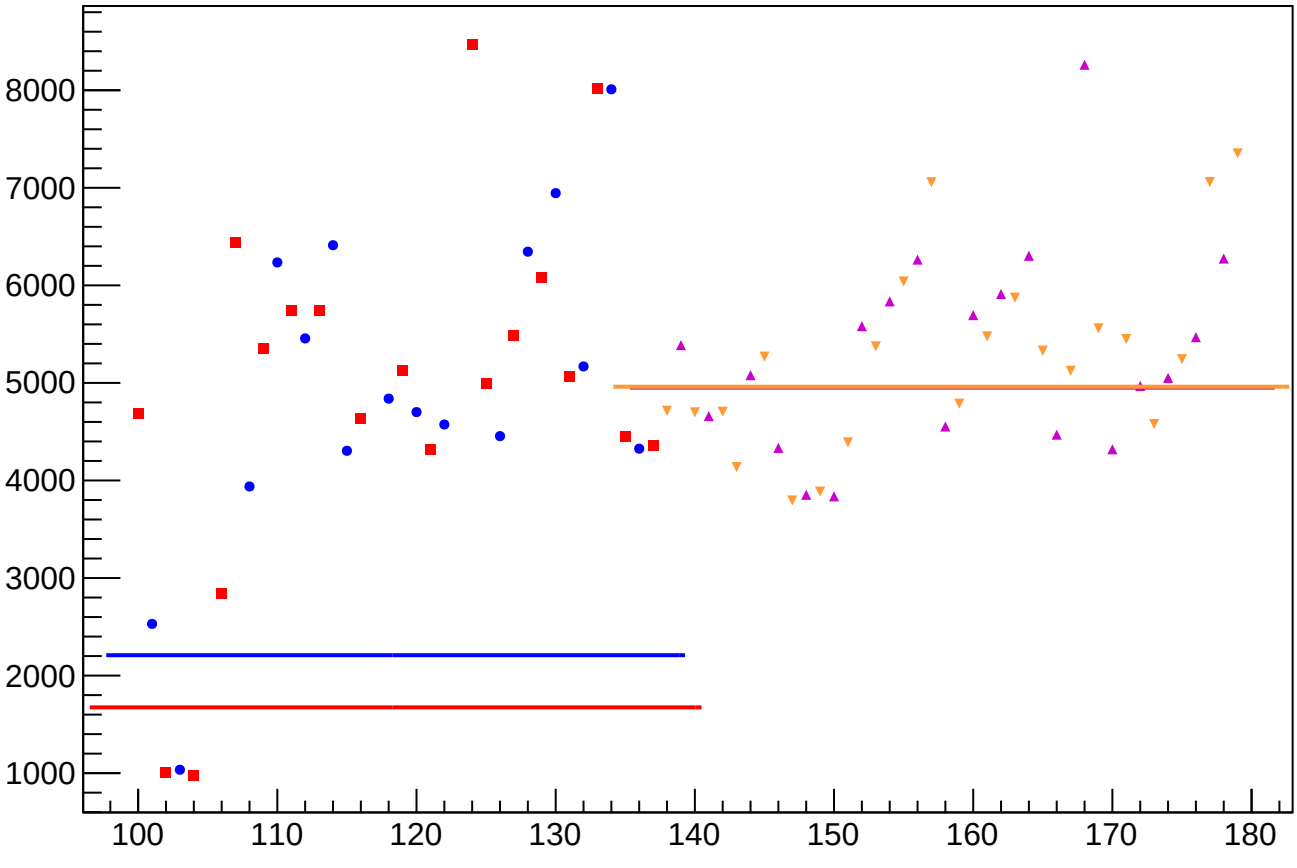
Left: 428.997+/-869.875 χ^2/NDF: 36.9/41

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -519.765+/-813.674 χ^2/NDF:27.5/35

Out: 315.253+/-687.994 χ^2/NDF:37.6/40

All: -32.856+/-525.364 χ^2/NDF: 65.7/76



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4961.248+/-0.857 χ^2/NDF:1020210.0/21

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4951.686+/-0.883 χ^2/NDF:1021851.2/19

Left: 4956.611+/-0.615 χ^2/NDF: 2042121.6/41

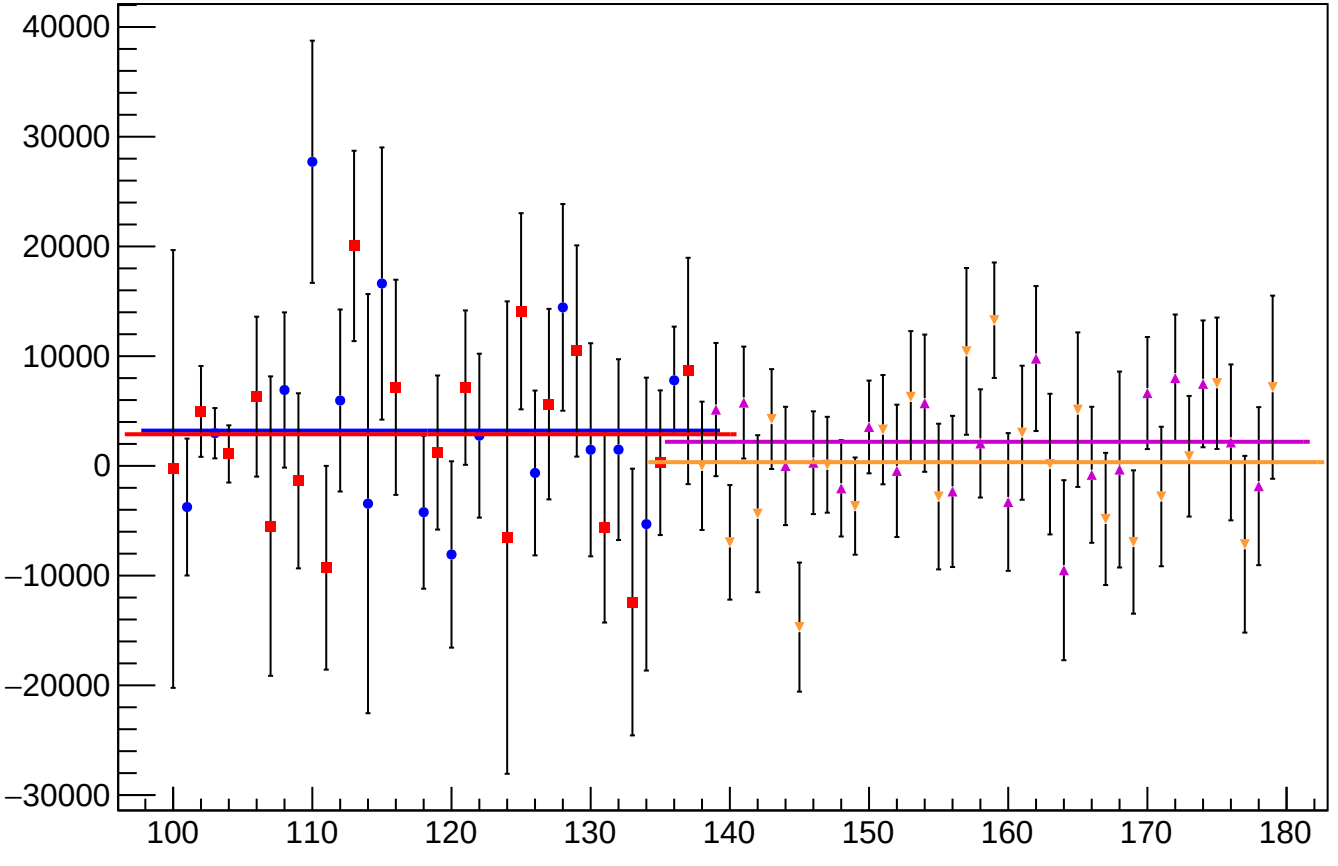
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3372.720+/-0.575 χ^2/NDF:12072015.4/35

Out: 2733.192+/-0.486 χ^2/NDF:17843421.7/40

All: 2999.804+/-0.371 χ^2/NDF: 30635879.8/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 339.938+/-1242.244 χ^2/NDF:25.7/21

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2196.051+/-1282.934 χ^2/NDF:10.4/19

Left: 1238.094+/-892.438 χ^2/NDF: 37.2/41

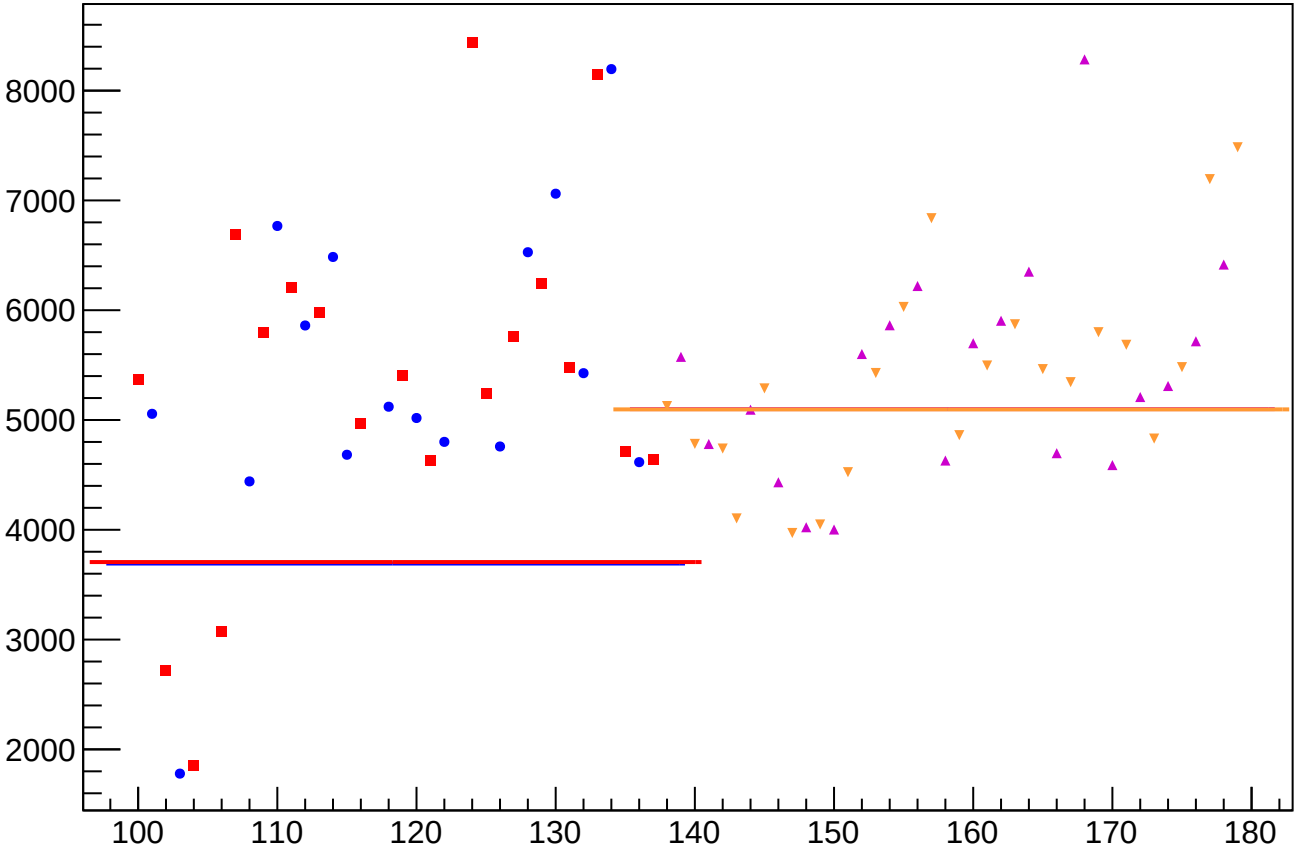
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2614.021+/-985.509 χ^2/NDF:24.4/35

Out: 1333.047+/-969.863 χ^2/NDF:40.7/40

All: 1963.285+/-691.262 χ^2/NDF: 66.1/76

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5096.652+/-0.878 χ^2/NDF:934438.9/21

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5099.454+/-0.907 χ^2/NDF:892613.2/19

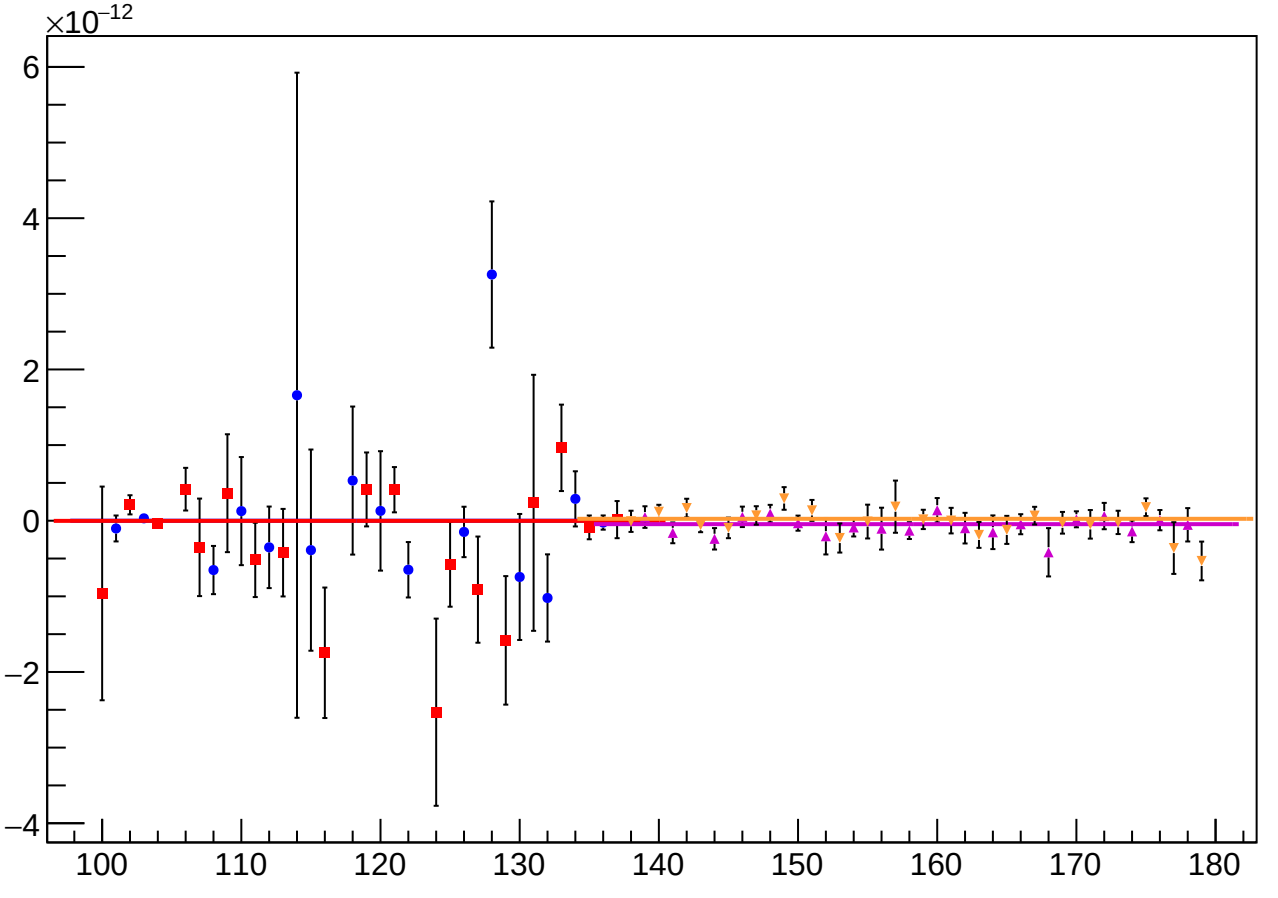
Left: 5098.008+/-0.631 χ^2/NDF: 1827057.1/41

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4522.849+/-0.697 χ^2/NDF:4763831.5/35

Out: 4547.043+/-0.683 χ^2/NDF:4609485.5/40

All: 4535.187+/-0.488 χ^2/NDF: 9373931.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/19

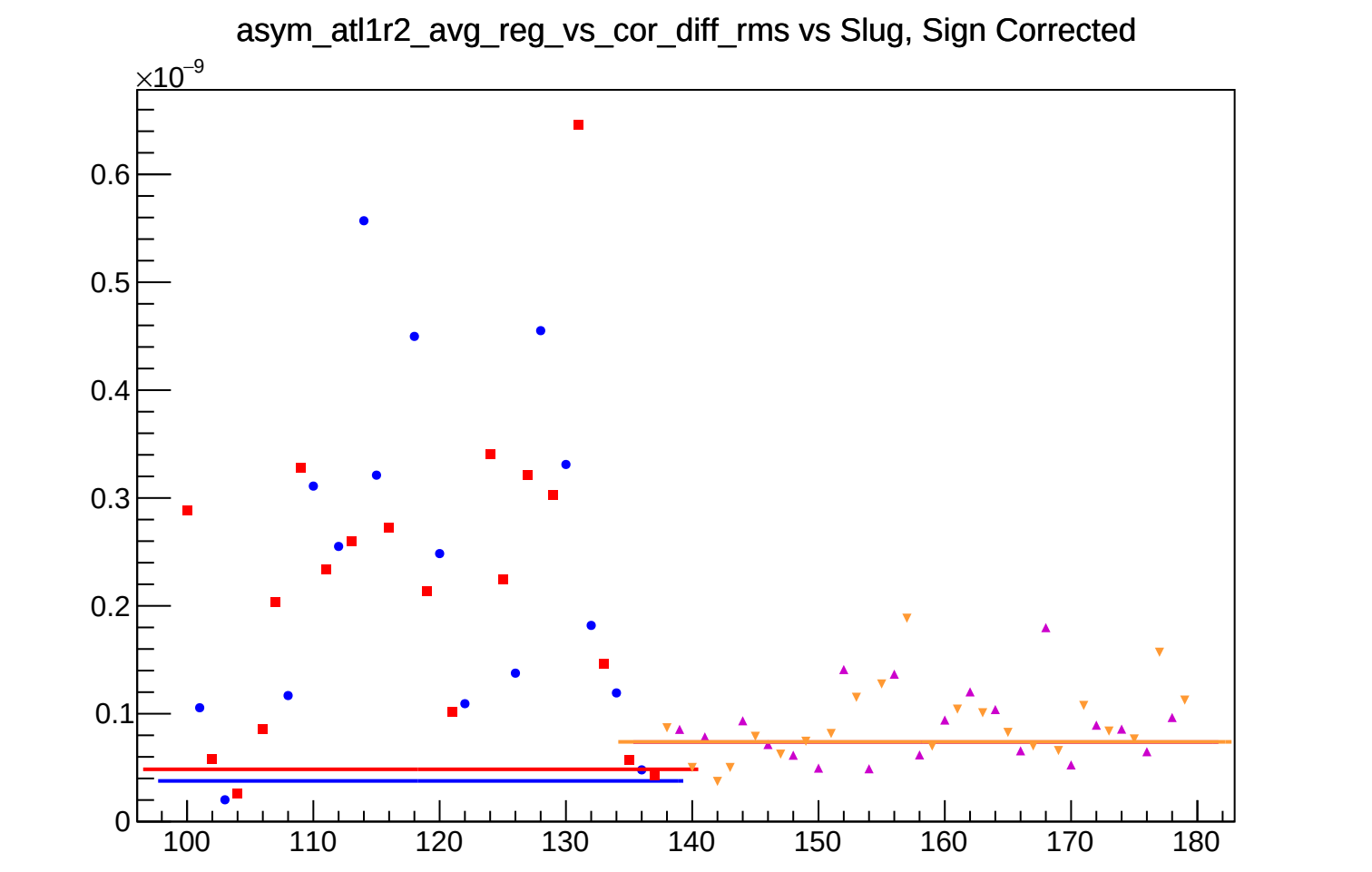
Left: -0.000+/-0.000 χ^2/NDF: 33.5/41

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.8/35

Out: 0.000+/-0.000 χ^2/NDF:48.9/40

All: -0.000+/-0.000 χ^2/NDF: 87.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1277298.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1105248.9/19

Left: 0.000+/-0.000 χ^2/NDF: 2382608.6/41

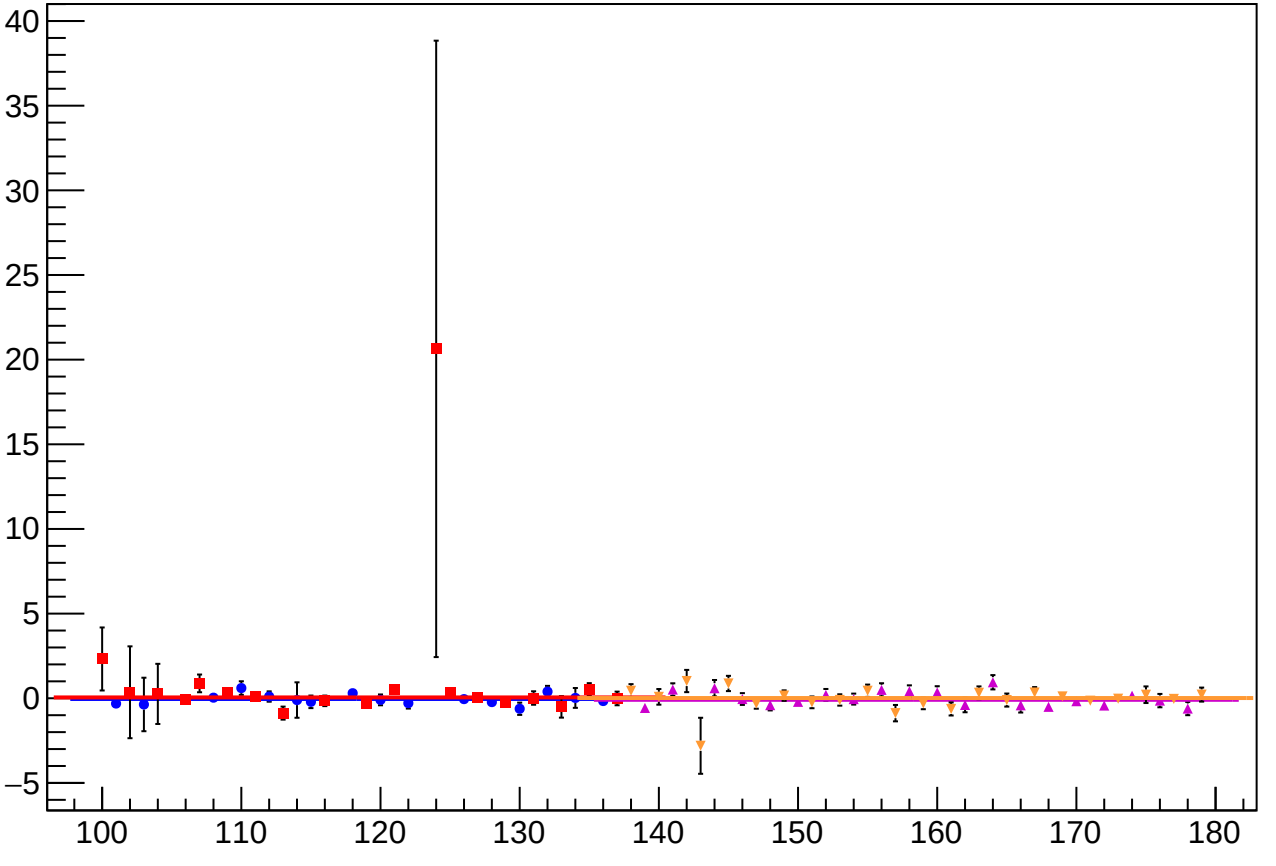
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5341939.5/35

Out: 0.000+/-0.000 χ^2/NDF:4612020.1/40

All: 0.000+/-0.000 χ^2/NDF: 10060159.6/76

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.039+/-0.051 χ^2/NDF: 54.2/41

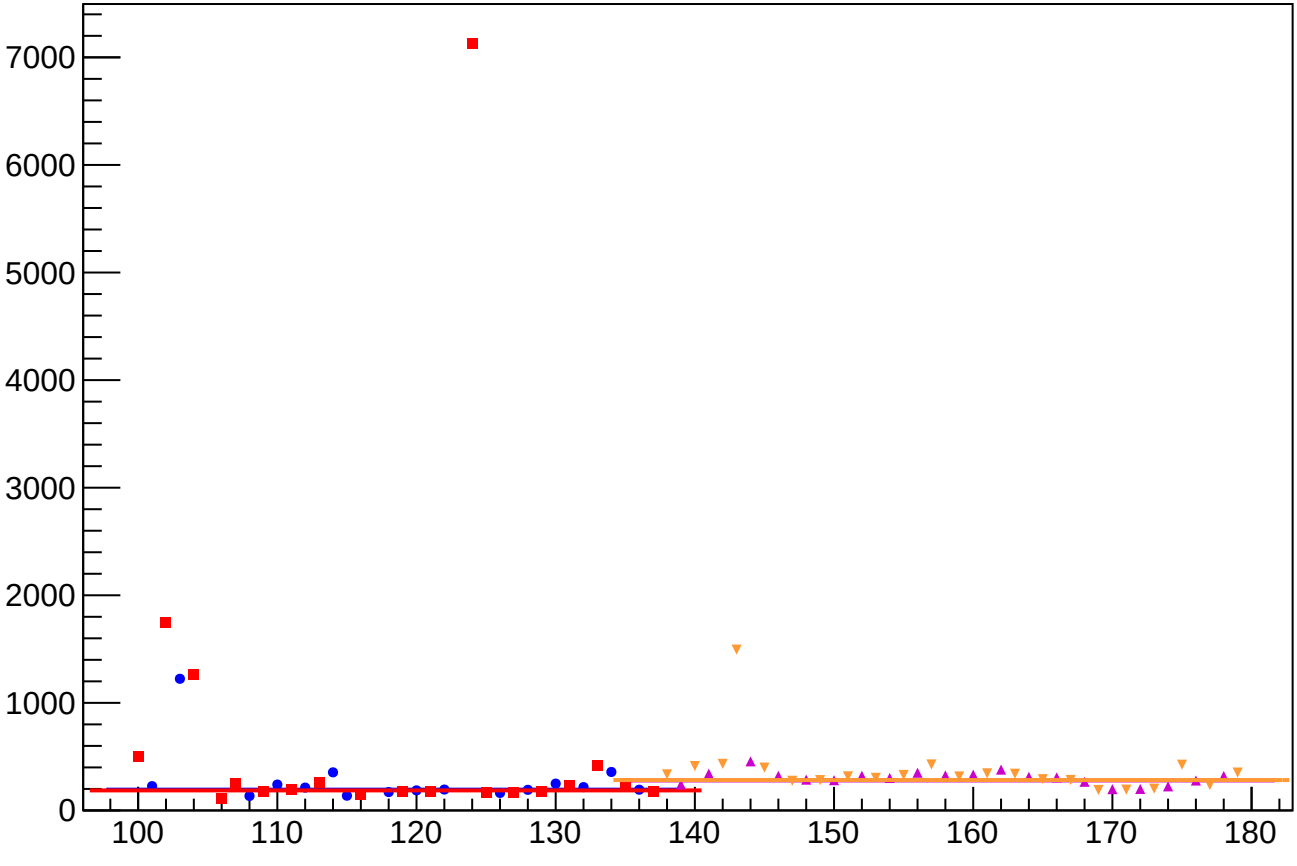
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.019+/-0.038 χ^2/NDF: 89.9/76

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 282.404+/-0.051 χ^2/NDF:3074560.6/21

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 278.862+/-0.051 χ^2/NDF:1346518.5/19

Left: 280.634+/-0.036 χ^2/NDF: 4423476.7/41

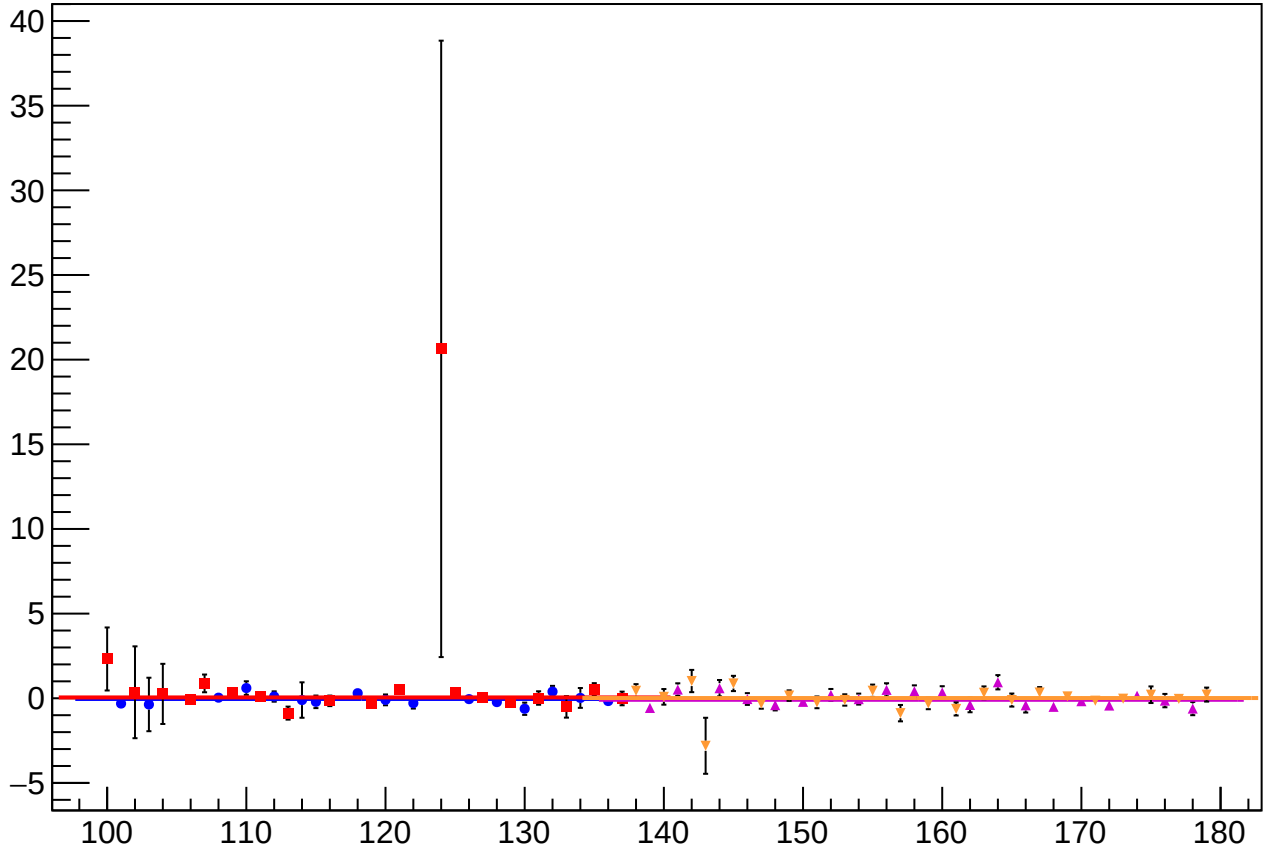
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.128+/-0.037 χ^2/NDF:4054324.0/35

Out: 238.488+/-0.038 χ^2/NDF:7165690.9/40

All: 238.810+/-0.027 χ^2/NDF: 11220160.4/76

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.039+/-0.051 χ^2/NDF: 54.2/41

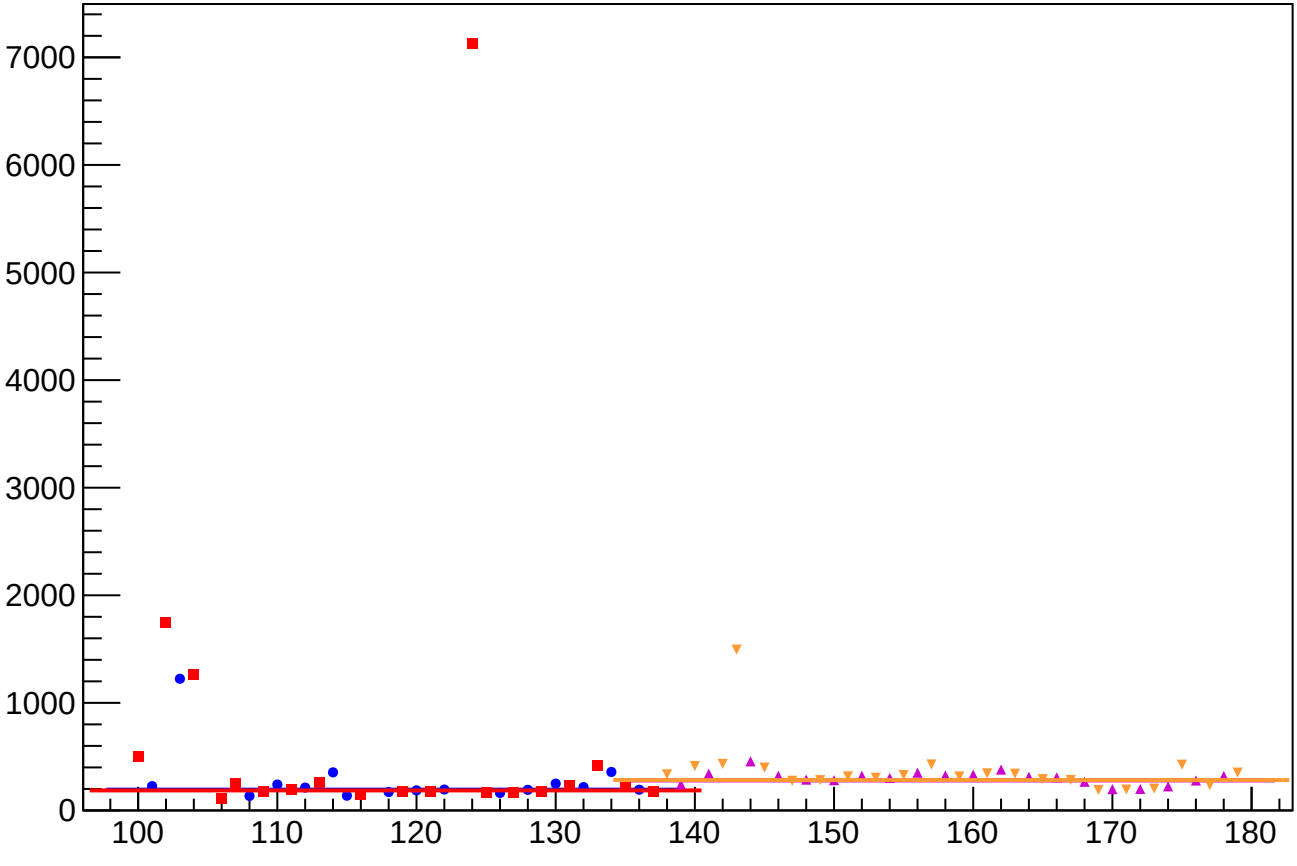
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.019+/-0.038 χ^2/NDF: 89.9/76

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 282.404+/-0.051 χ^2/NDF:3074560.6/21

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 278.862+/-0.051 χ^2/NDF:1346518.5/19

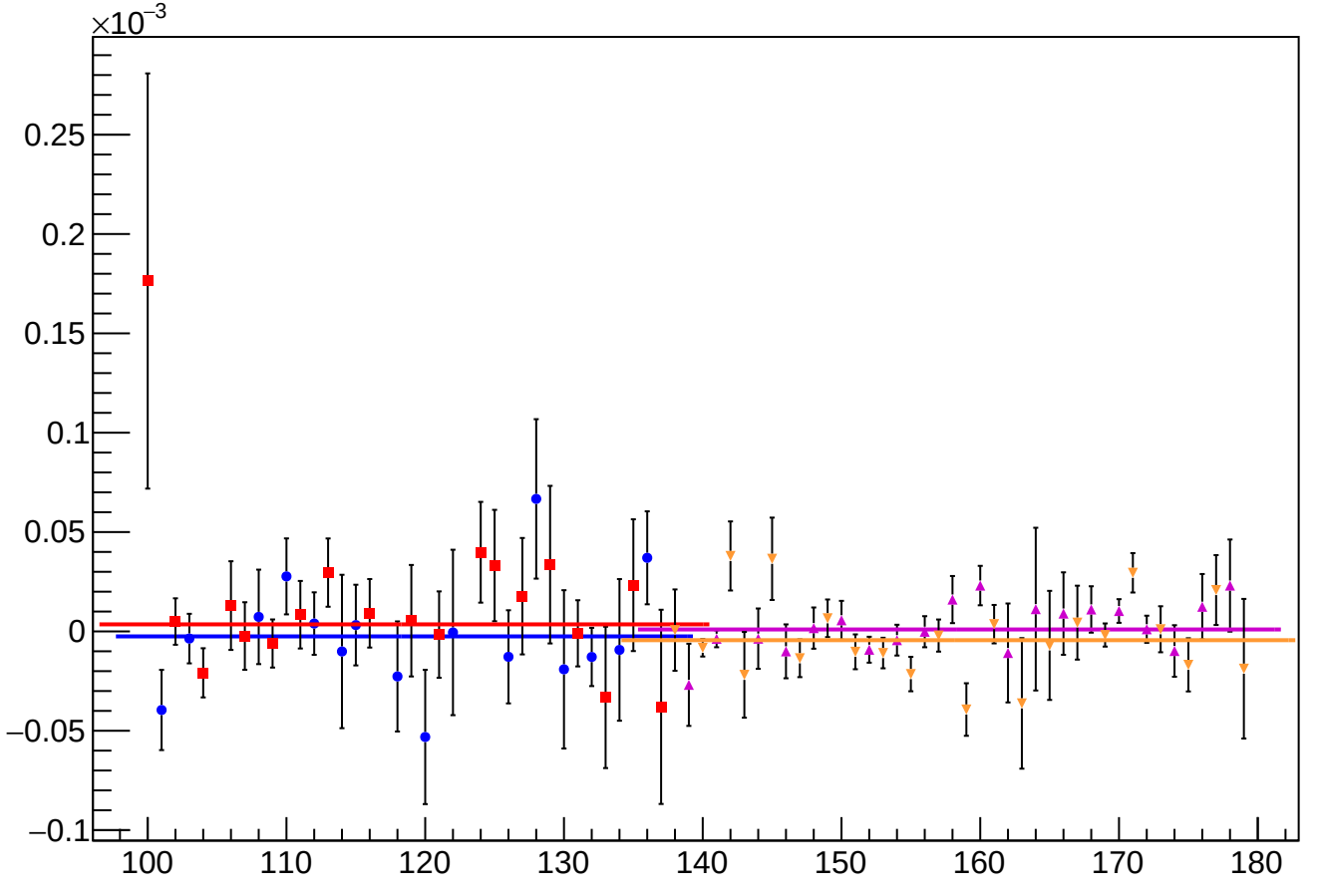
Left: 280.634+/-0.036 χ^2/NDF: 4423476.7/41

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.128+/-0.037 χ^2/NDF:4054324.0/35

Out: 238.488+/-0.038 χ^2/NDF:7165690.9/40

All: 238.810+/-0.027 χ^2/NDF: 11220160.4/76



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/19

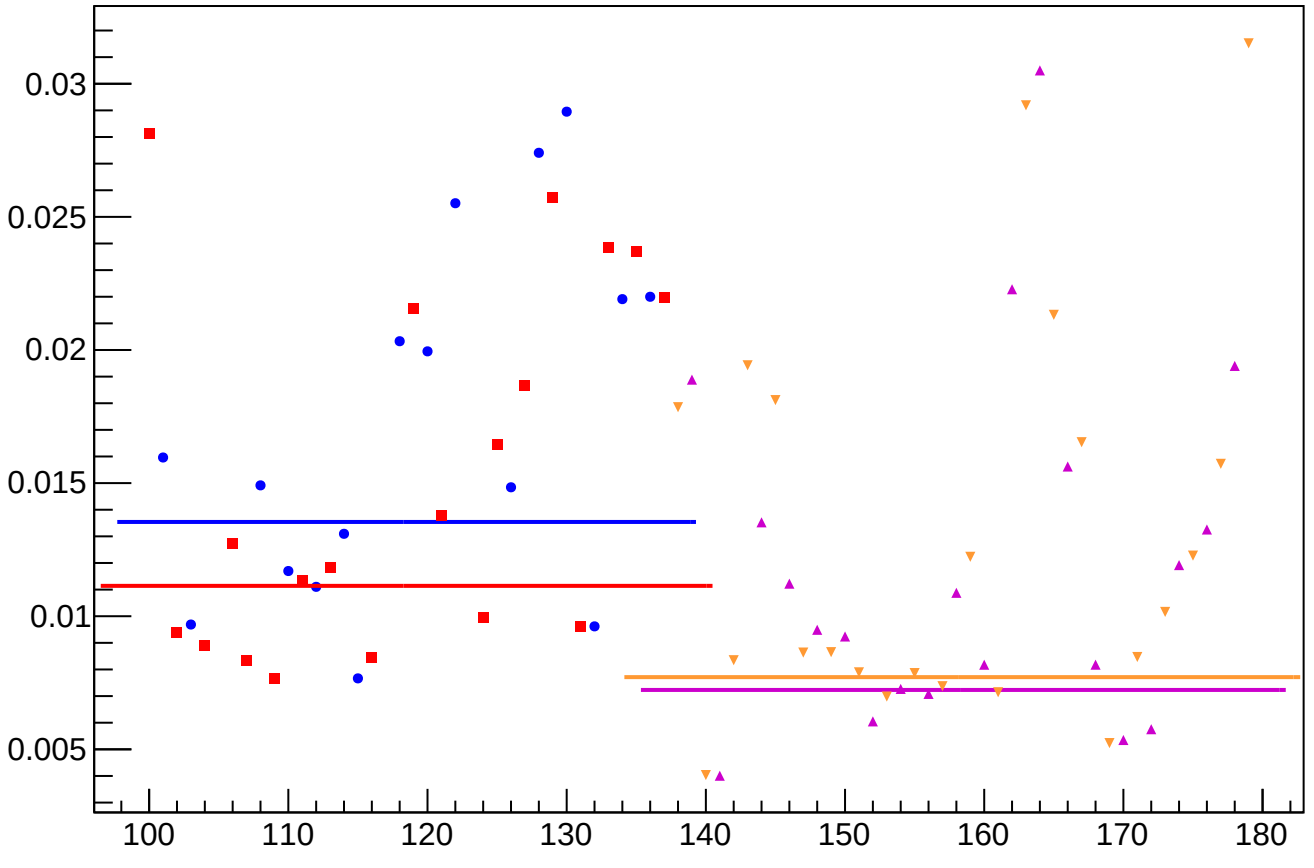
Left: -0.000+/-0.000 χ^2/NDF: 65.3/41

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:35.4/35

Out: -0.000+/-0.000 χ^2/NDF:61.6/40

All: -0.000+/-0.000 χ^2/NDF: 98.7/76



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7113811.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5838280.0/19

Left: 0.007+/-0.000 χ^2/NDF: 13004681.7/41

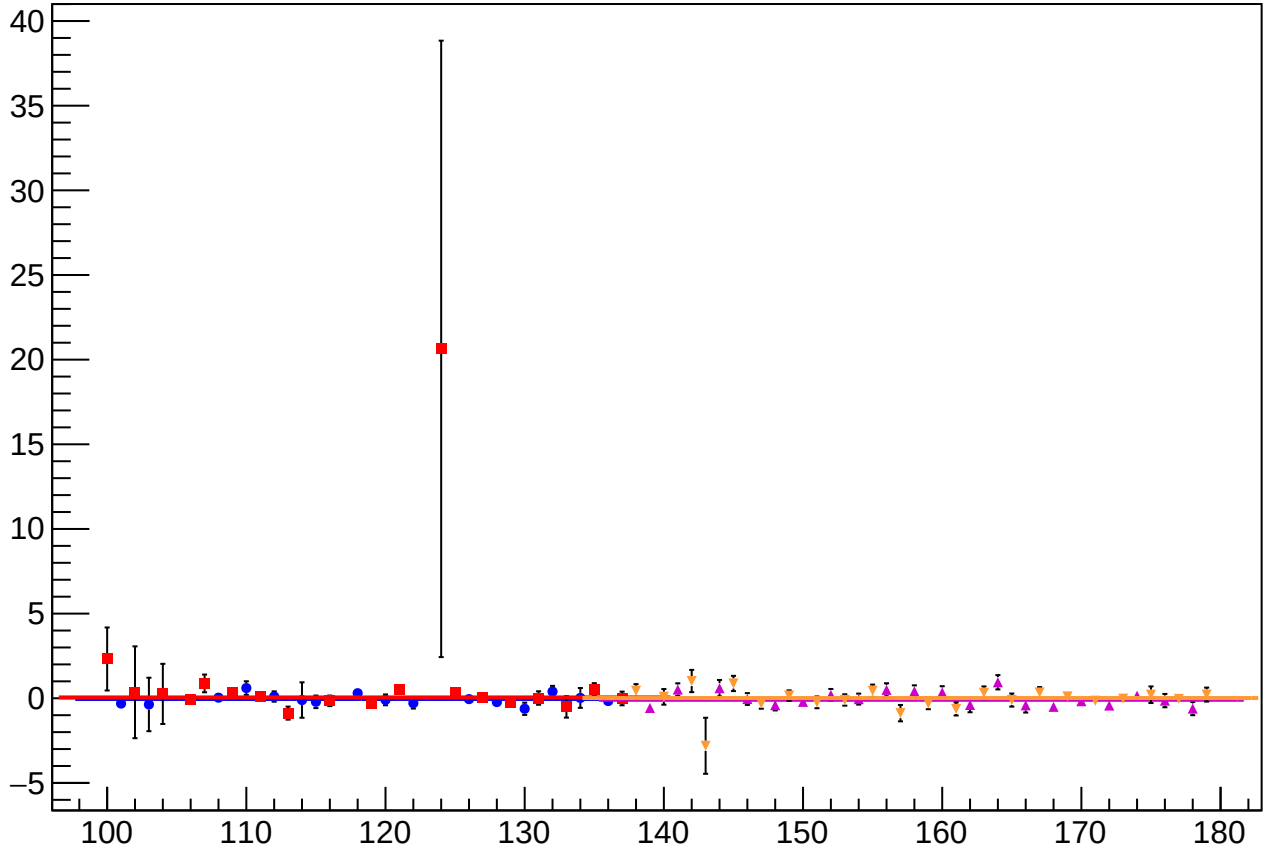
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:10057305.3/35

Out: 0.008+/-0.000 χ^2/NDF:9963159.5/40

All: 0.008+/-0.000 χ^2/NDF: 20048385.1/76

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.039+/-0.051 χ^2/NDF: 54.2/41

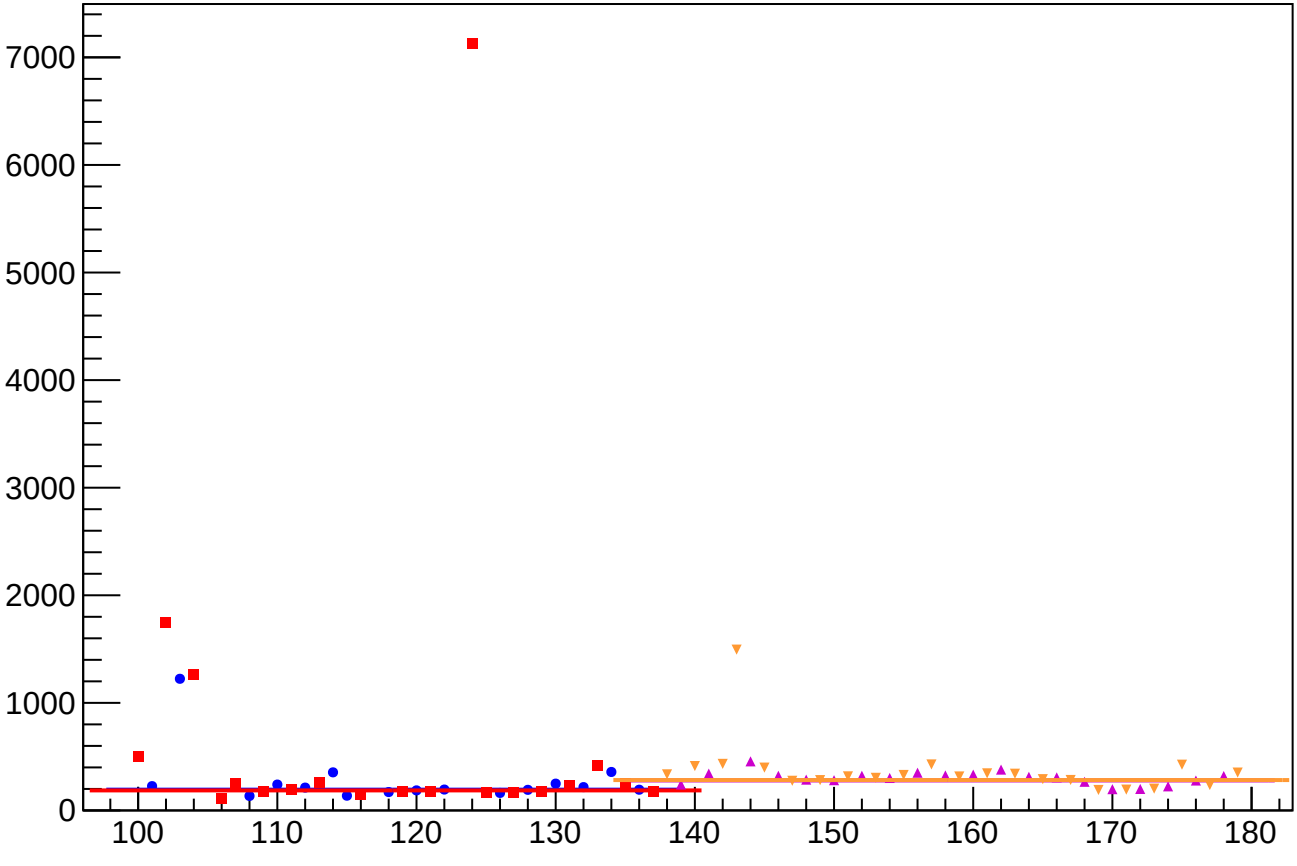
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.019+/-0.038 χ^2/NDF: 89.9/76

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 282.407+/-0.051 χ^2/NDF:3074613.7/21

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 278.865+/-0.051 χ^2/NDF:1346569.2/19

Left: 280.636+/-0.036 χ^2/NDF: 4423580.3/41

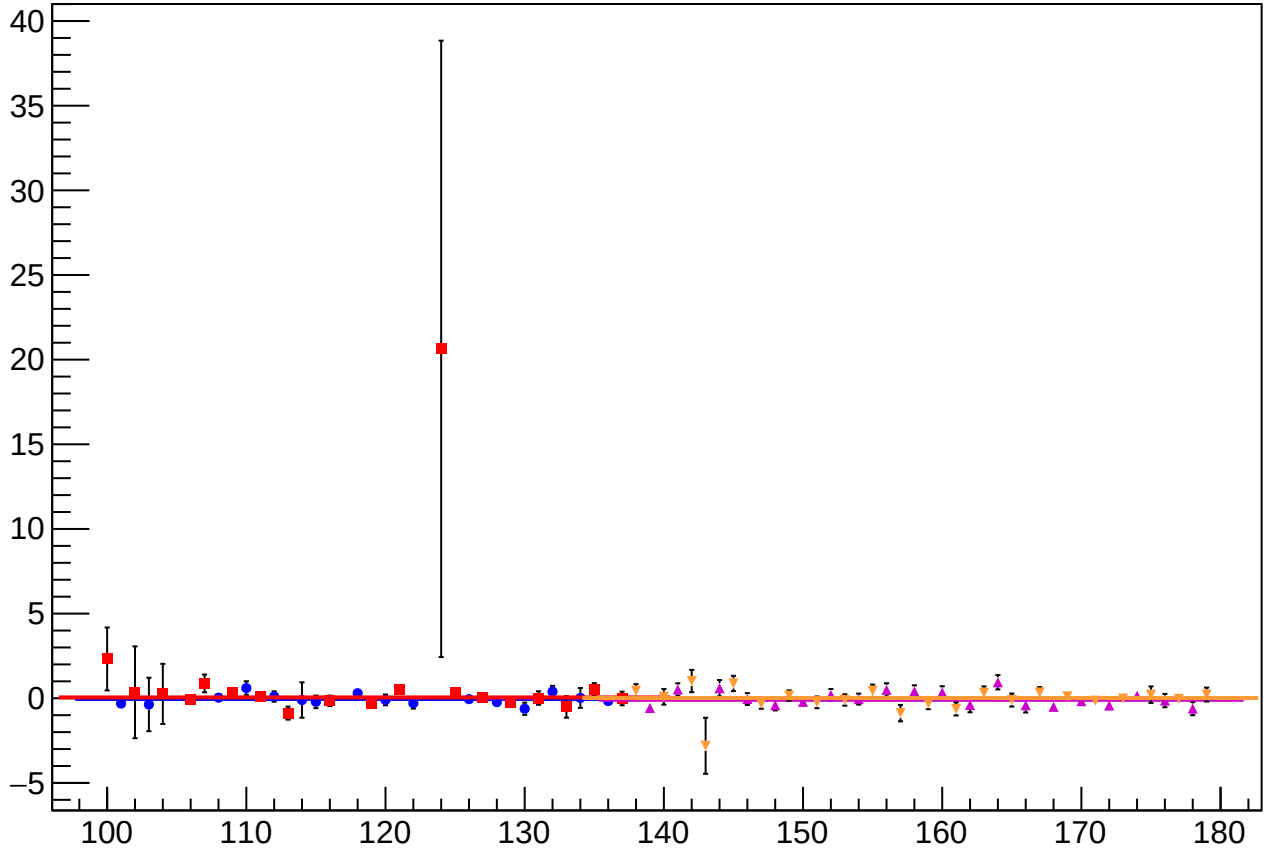
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.128+/-0.037 χ^2/NDF:4054489.5/35

Out: 238.487+/-0.038 χ^2/NDF:7165936.3/40

All: 238.810+/-0.027 χ^2/NDF: 11220571.5/76

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.013+/-0.072 χ^2/NDF:23.5/21

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.039+/-0.051 χ^2/NDF: 54.2/41

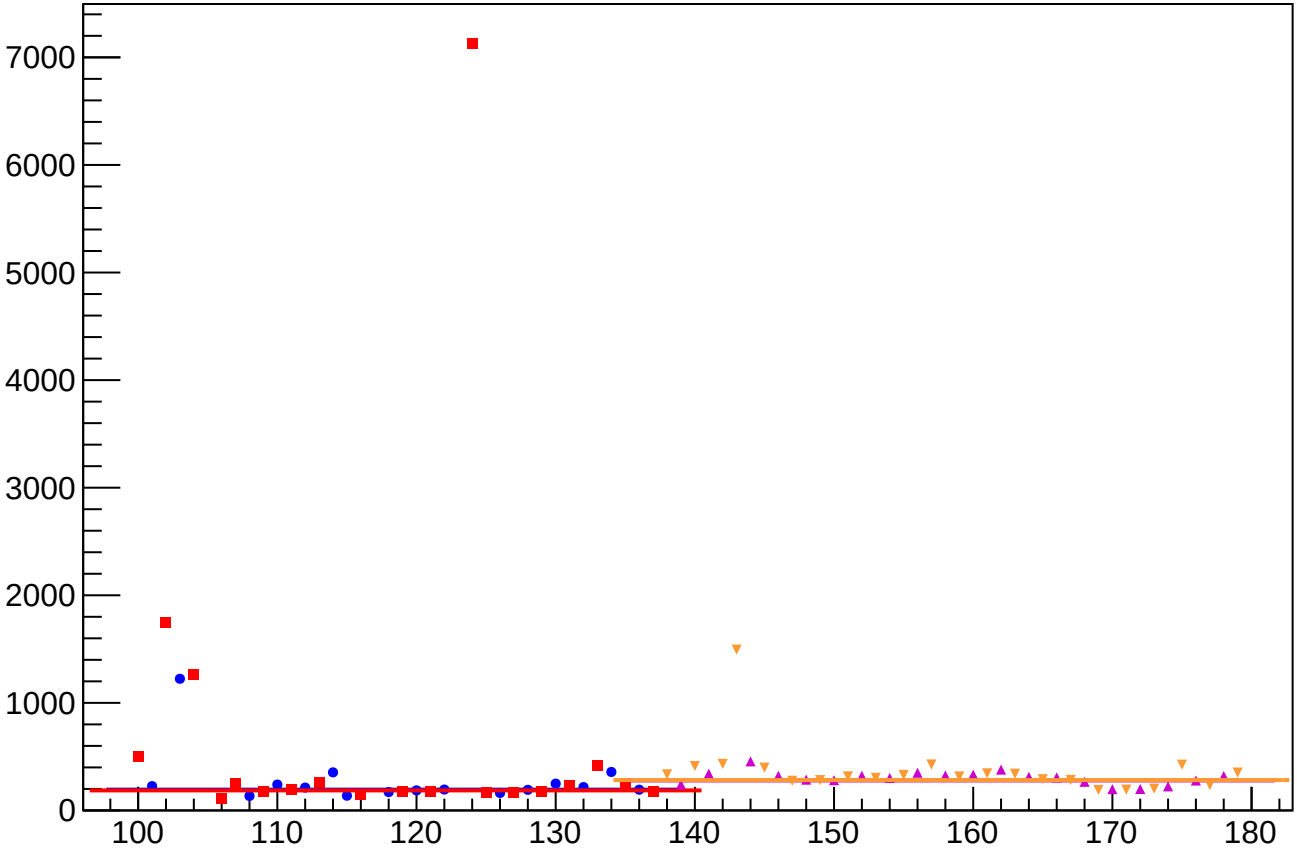
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.030+/-0.053 χ^2/NDF:46.7/40

All: -0.019+/-0.038 χ^2/NDF: 89.9/76

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 282.407+/-0.051 χ^2/NDF:3074613.7/21

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 278.865+/-0.051 χ^2/NDF:1346569.2/19

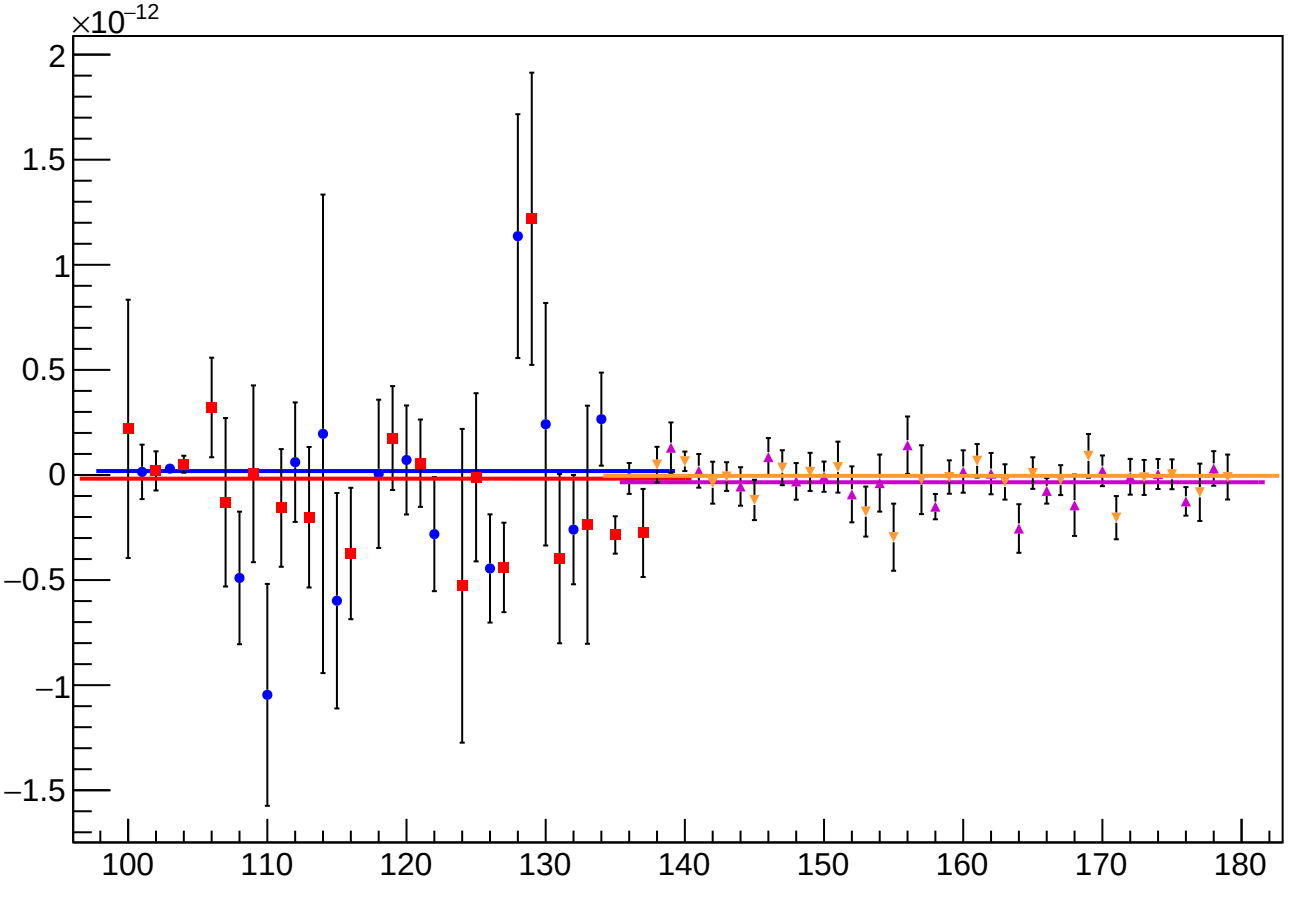
Left: 280.636+/-0.036 χ^2/NDF: 4423580.3/41

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.128+/-0.037 χ^2/NDF:4054489.5/35

Out: 238.487+/-0.038 χ^2/NDF:7165936.3/40

All: 238.810+/-0.027 χ^2/NDF: 11220571.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/19

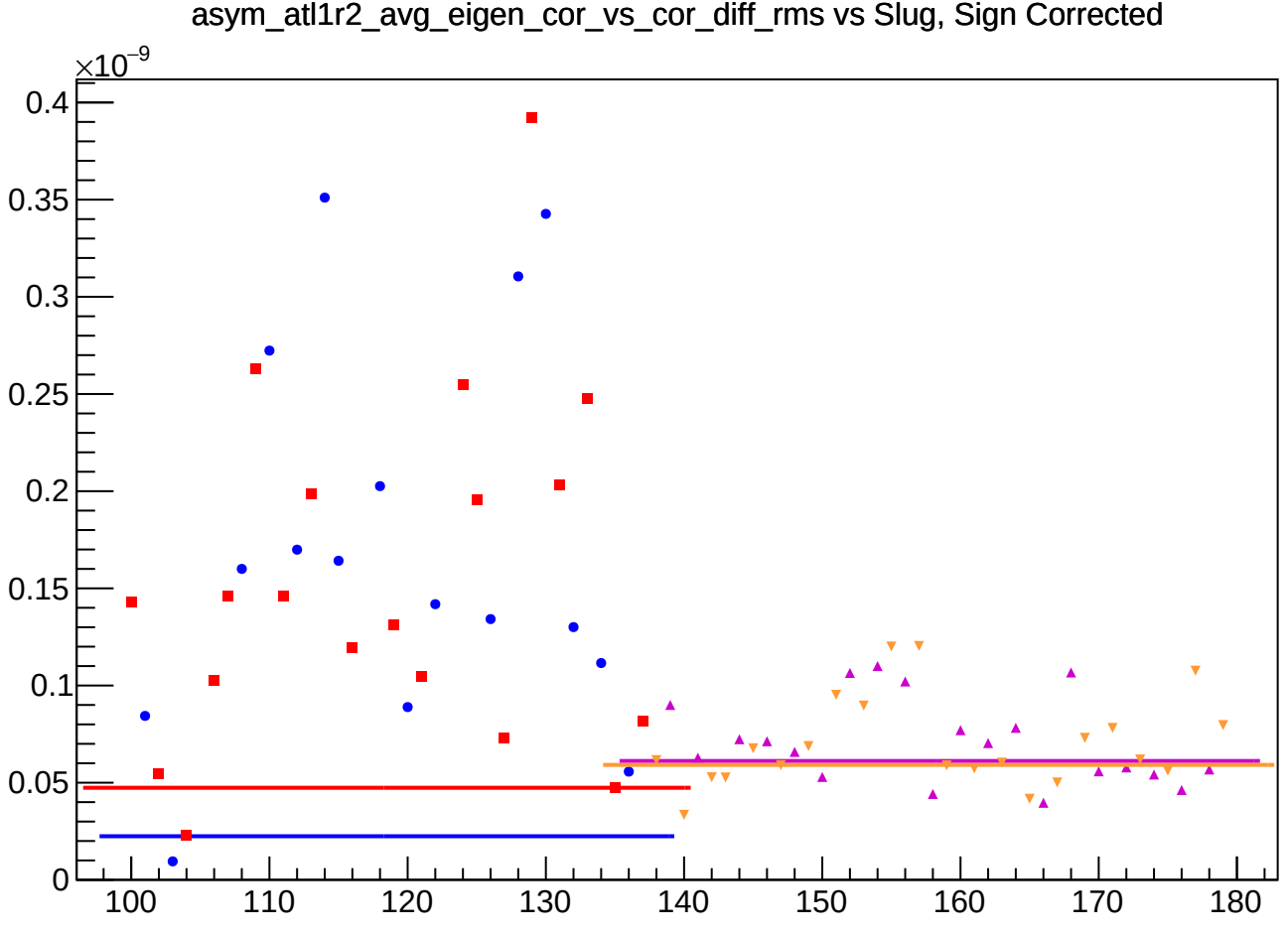
Left: -0.000+/-0.000 χ^2/NDF: 35.5/41

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:41.3/35

Out: -0.000+/-0.000 χ^2/NDF:43.2/40

All: -0.000+/-0.000 χ^2/NDF: 84.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2136271.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1722038.7/19

Left: 0.000+/-0.000 χ^2/NDF: 3869931.0/41

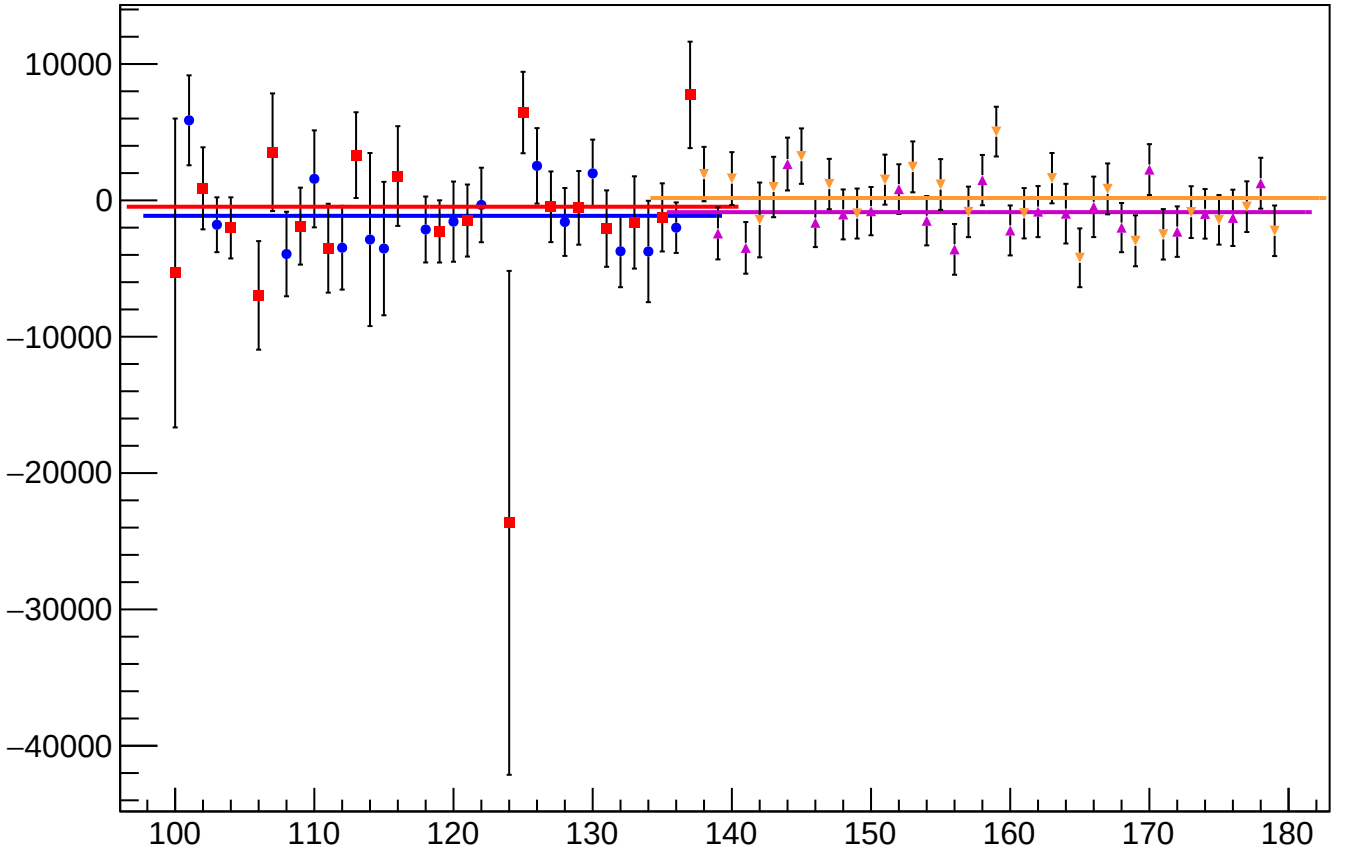
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11914282.6/35

Out: 0.000+/-0.000 χ^2/NDF:6584204.8/40

All: 0.000+/-0.000 χ^2/NDF: 19257342.7/76

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 173.045+/-408.964 χ^2/NDF:27.5/21

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -863.400+/-420.867 χ^2/NDF:16.5/19

Left: -330.315+/-293.299 χ^2/NDF: 47.2/41

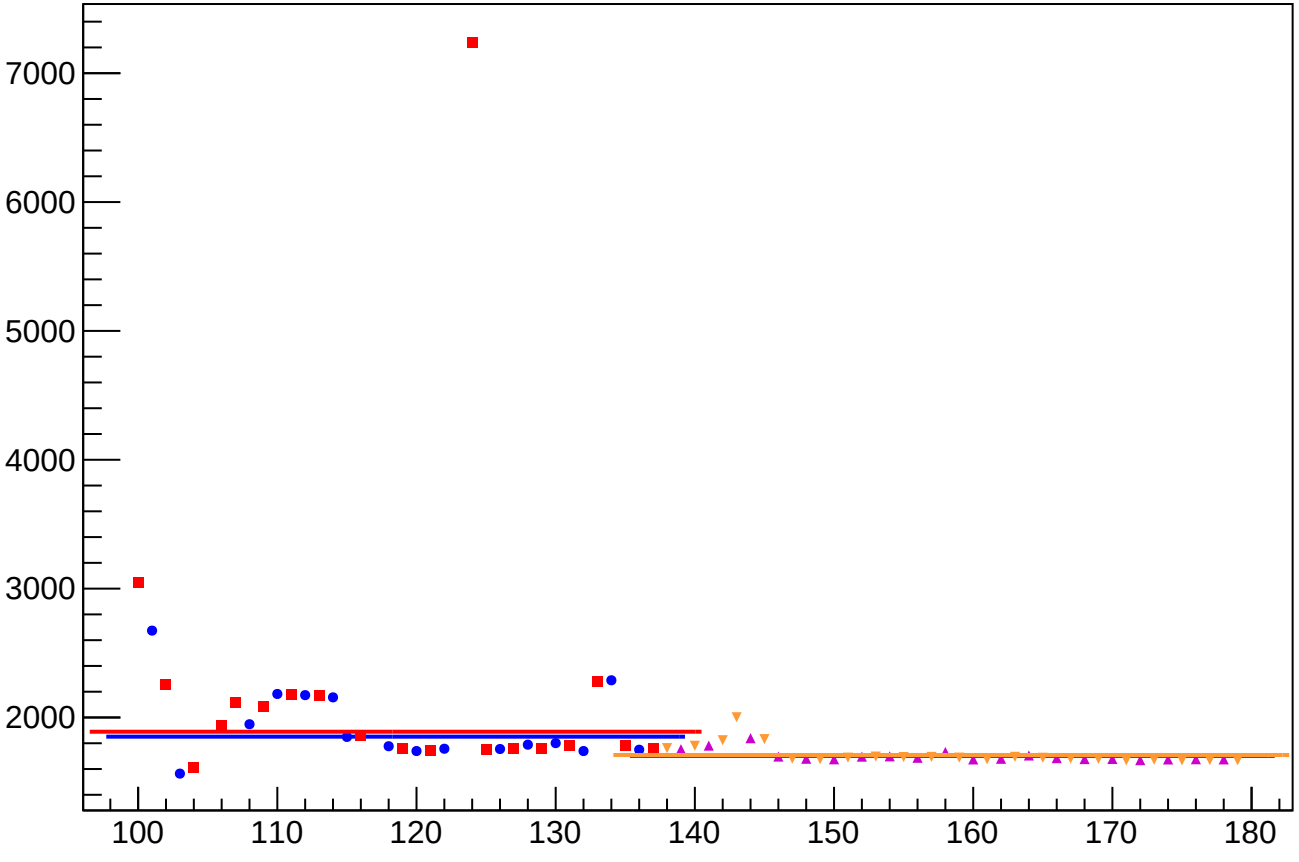
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -936.362+/-359.834 χ^2/NDF:28.9/35

Out: 12.583+/-353.870 χ^2/NDF:48.2/40

All: -453.960+/-252.306 χ^2/NDF: 80.6/76

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

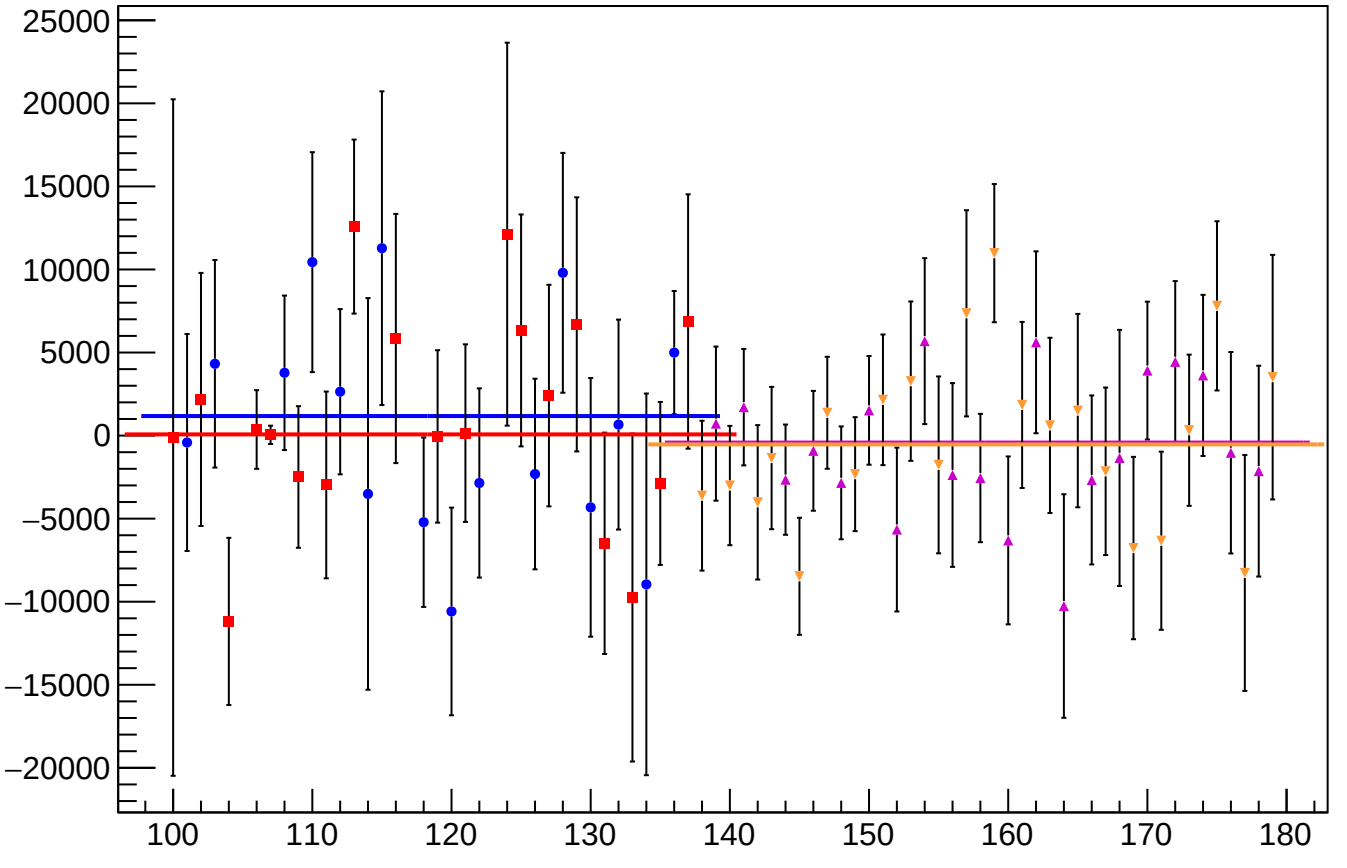
Left: 1705.105+/-0.207 χ^2/NDF: 78762.4/41

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1741.430+/-0.254 χ^2/NDF:348271.4/35

Out: 1754.464+/-0.250 χ^2/NDF:515774.2/40

All: 1748.060+/-0.178 χ^2/NDF: 865380.4/76



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -531.200+/-977.704 χ^2/NDF:24.8/21

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -419.951+/-999.172 χ^2/NDF:12.6/19

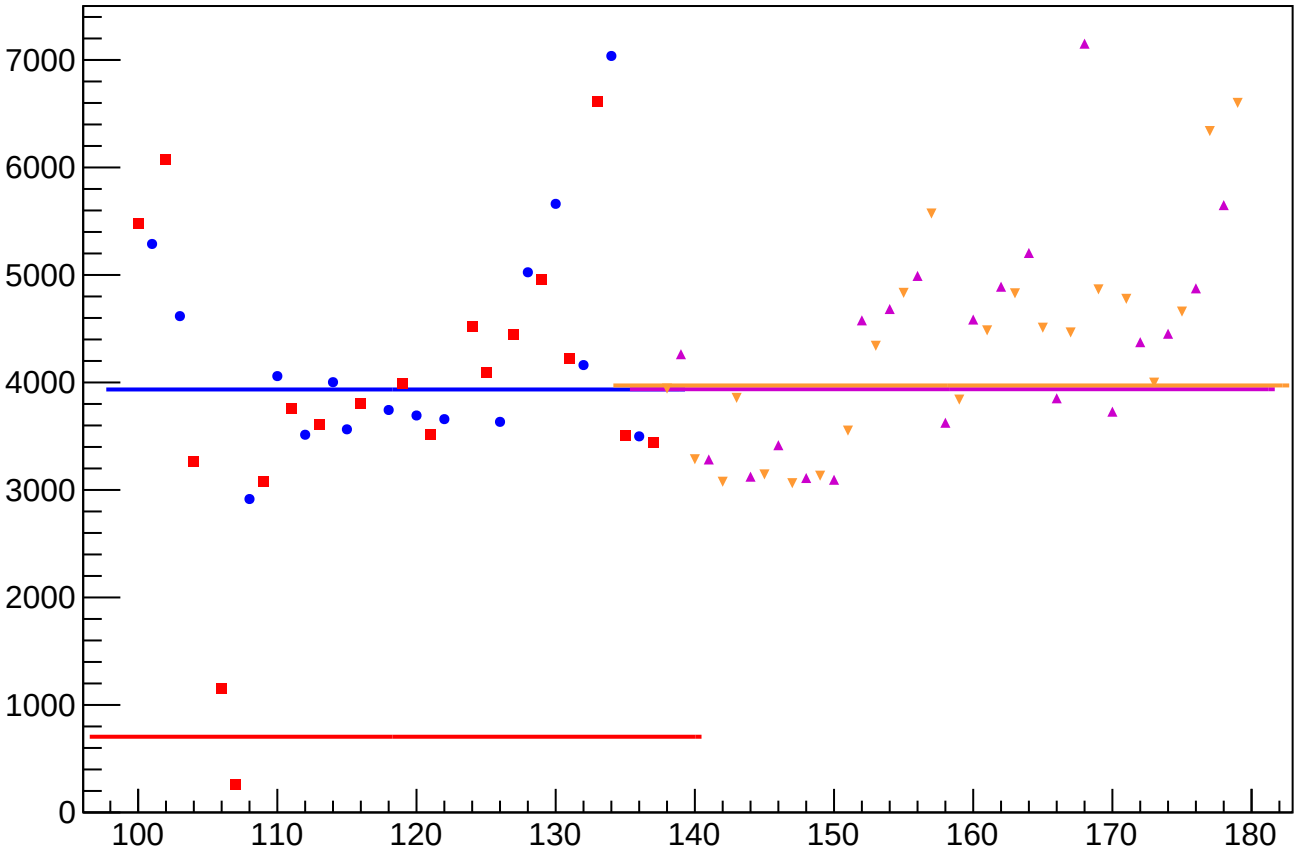
Left: -476.783+/-698.807 χ^2/NDF: 37.4/41

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 69.410+/-831.935 χ^2/NDF:27.1/35

Out: -54.773+/-449.169 χ^2/NDF:43.0/40

All: -26.744+/-395.241 χ^2/NDF: 70.2/76



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3972.246+/-0.691 χ^2/NDF:1468252.0/21

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3937.214+/-0.707 χ^2/NDF:1406498.8/19

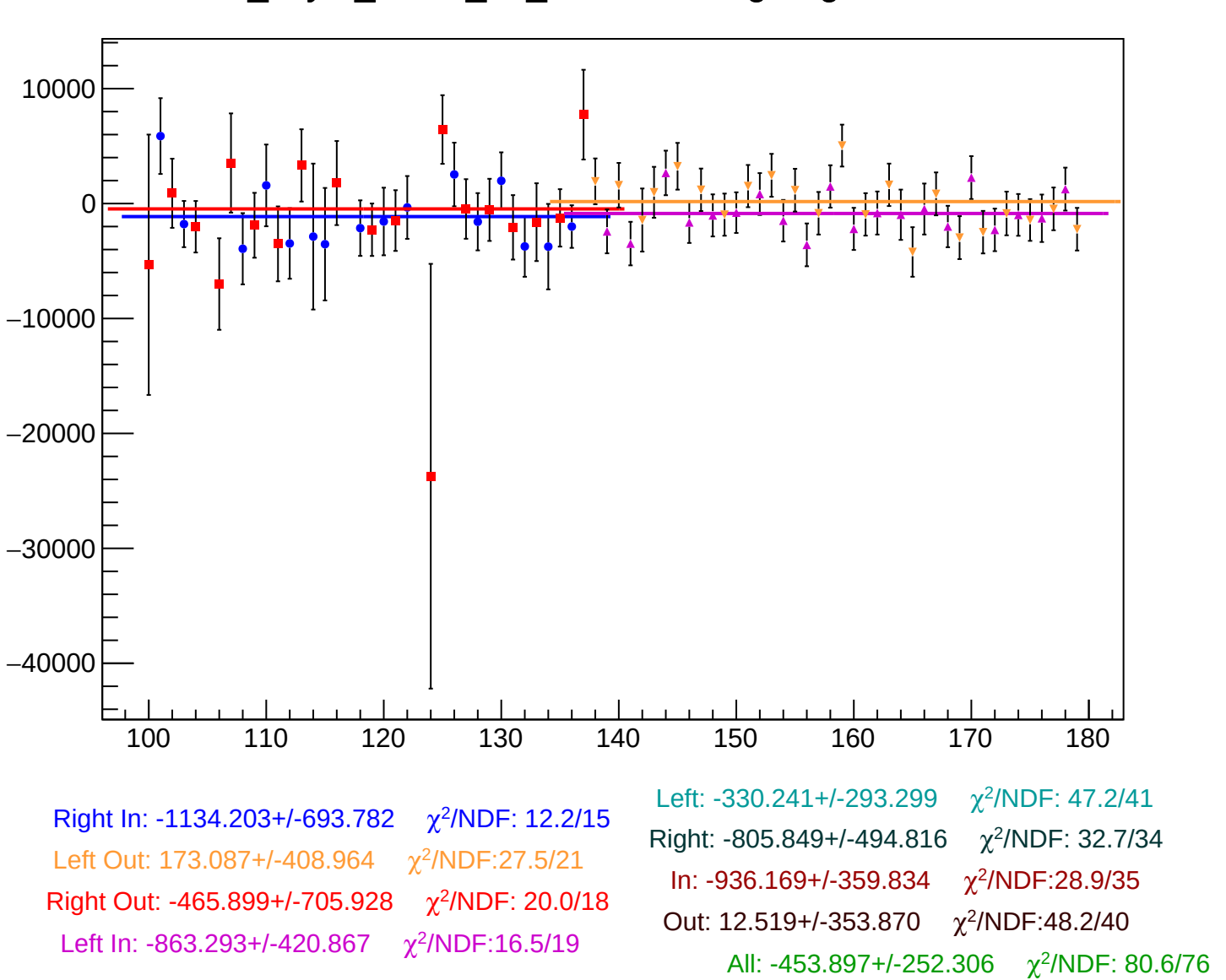
Left: 3955.110+/-0.494 χ^2/NDF: 2876006.8/41

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

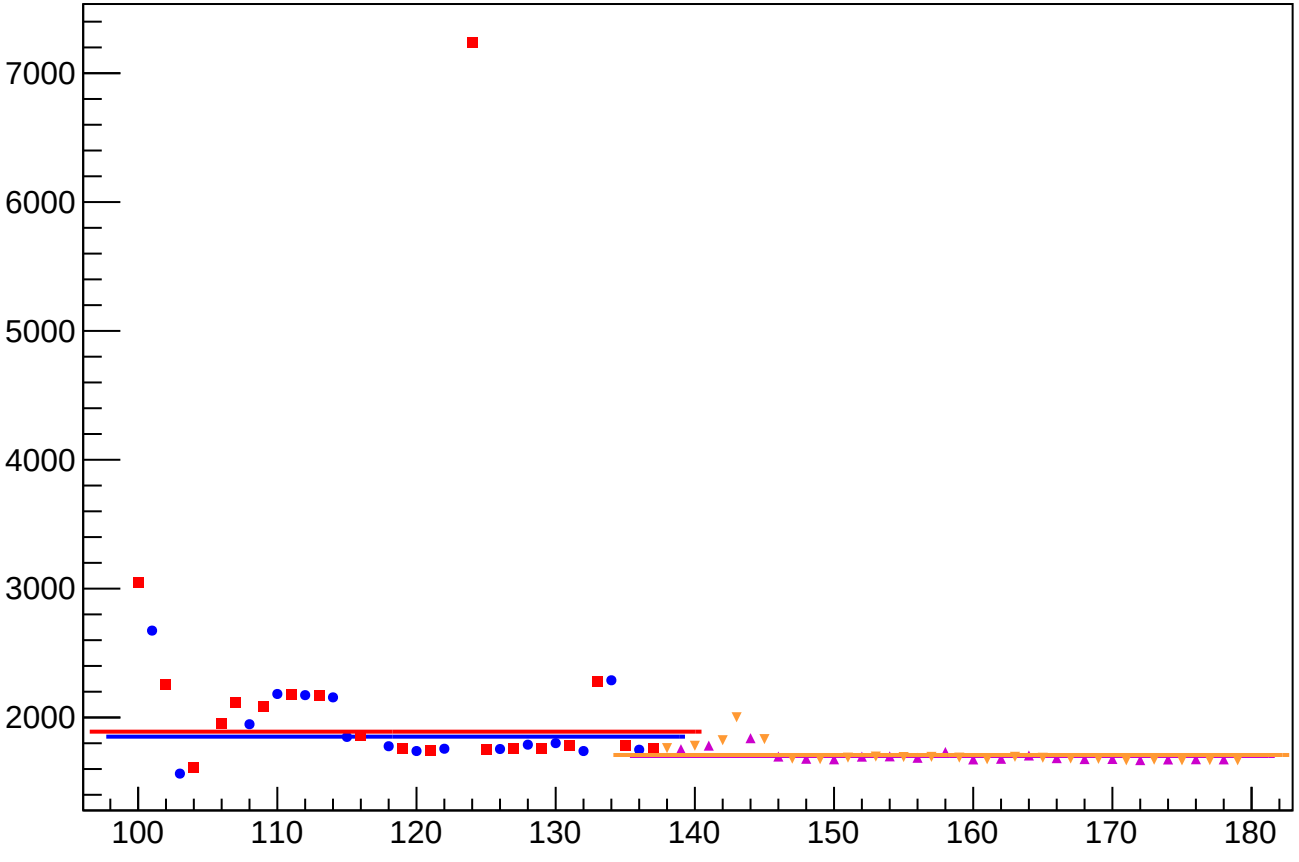
In: 3936.449+/-0.588 χ^2/NDF:1966628.2/35

Out: 1394.097+/-0.318 χ^2/NDF:29714238.6/40

All: 1967.923+/-0.279 χ^2/NDF: 46142843.1/7


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 173.087+/-408.964 χ²/NDF:27.5/21
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -863.293+/-420.867 χ²/NDF:16.5/19
Left: -330.241+/-293.299 χ²/NDF: 47.2/41
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -936.169+/-359.834 χ²/NDF:28.9/35
Out: 12.519+/-353.870 χ²/NDF:48.2/40
All: -453.897+/-252.306 χ²/NDF: 80.6/76

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

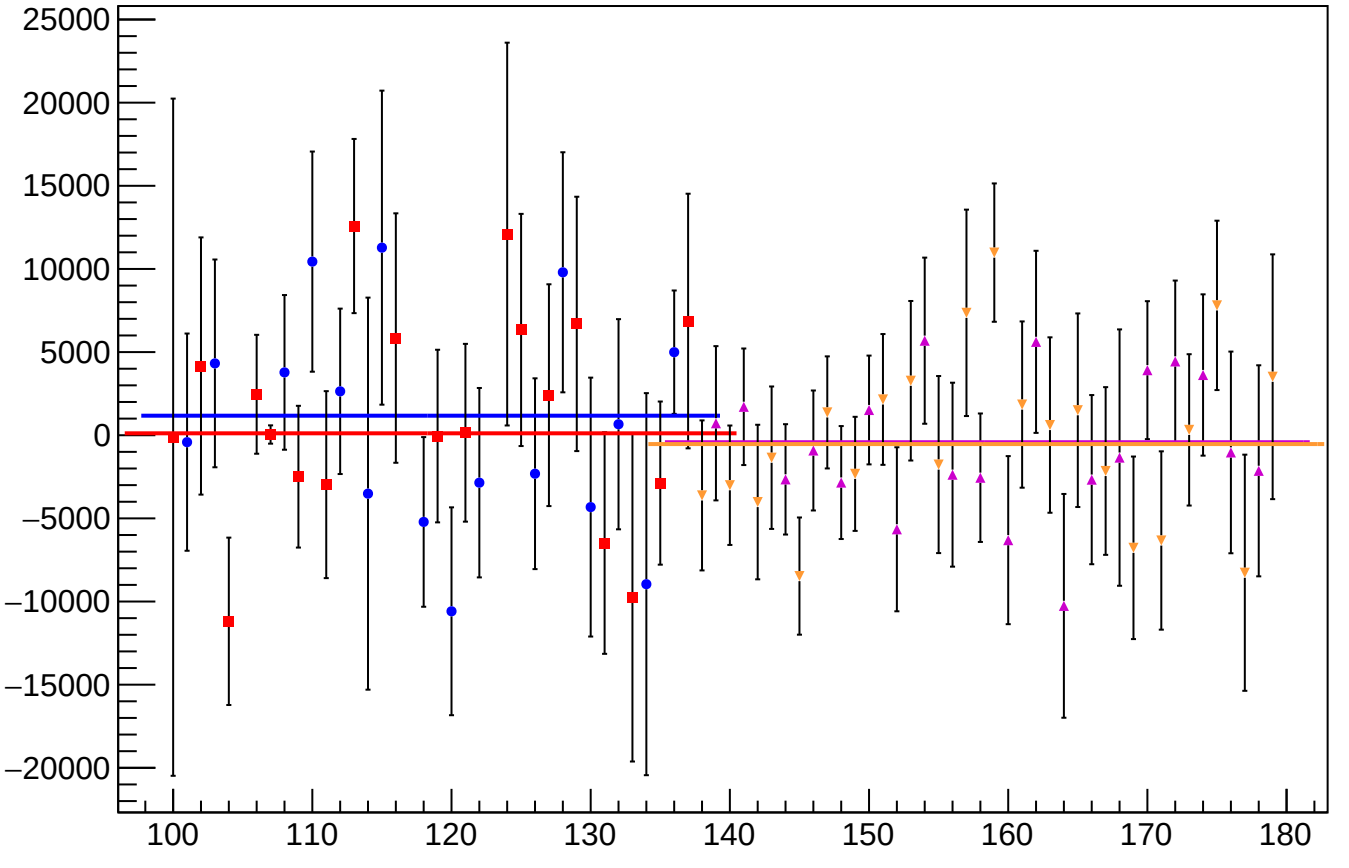
Left: 1705.105+/-0.207 χ^2/NDF: 78762.4/41

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1741.430+/-0.254 χ^2/NDF:348270.9/35

Out: 1754.564+/-0.250 χ^2/NDF:516460.1/40

All: 1748.111+/-0.178 χ^2/NDF: 866086.3/76



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -531.211+/-977.702 χ^2/NDF:24.8/21

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -419.912+/-999.171 χ^2/NDF:12.6/19

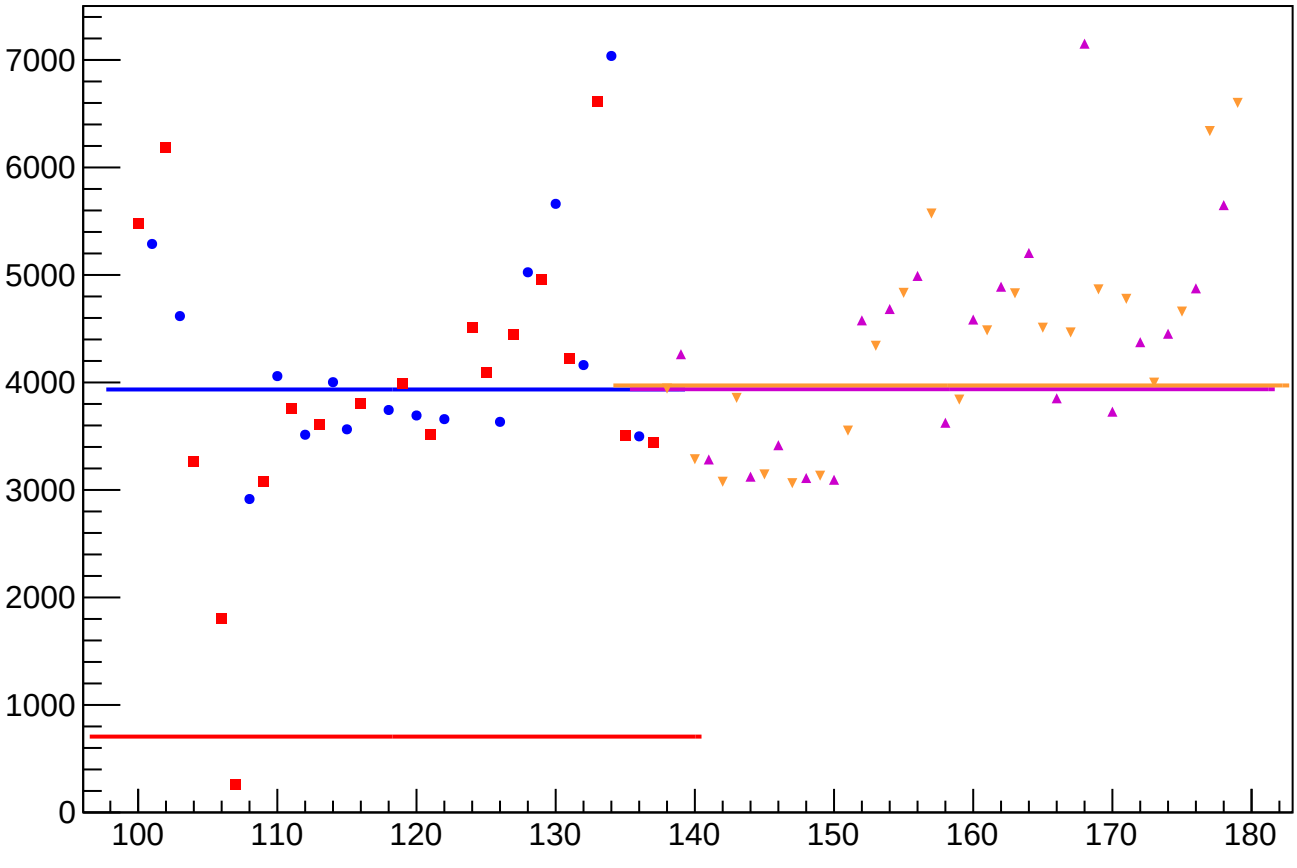
Left: -476.770+/-698.807 χ^2/NDF: 37.4/41

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 69.427+/-831.936 χ^2/NDF:27.1/35

Out: -23.480+/-453.771 χ^2/NDF:43.7/40

All: -2.177+/-398.366 χ^2/NDF: 70.8/76



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

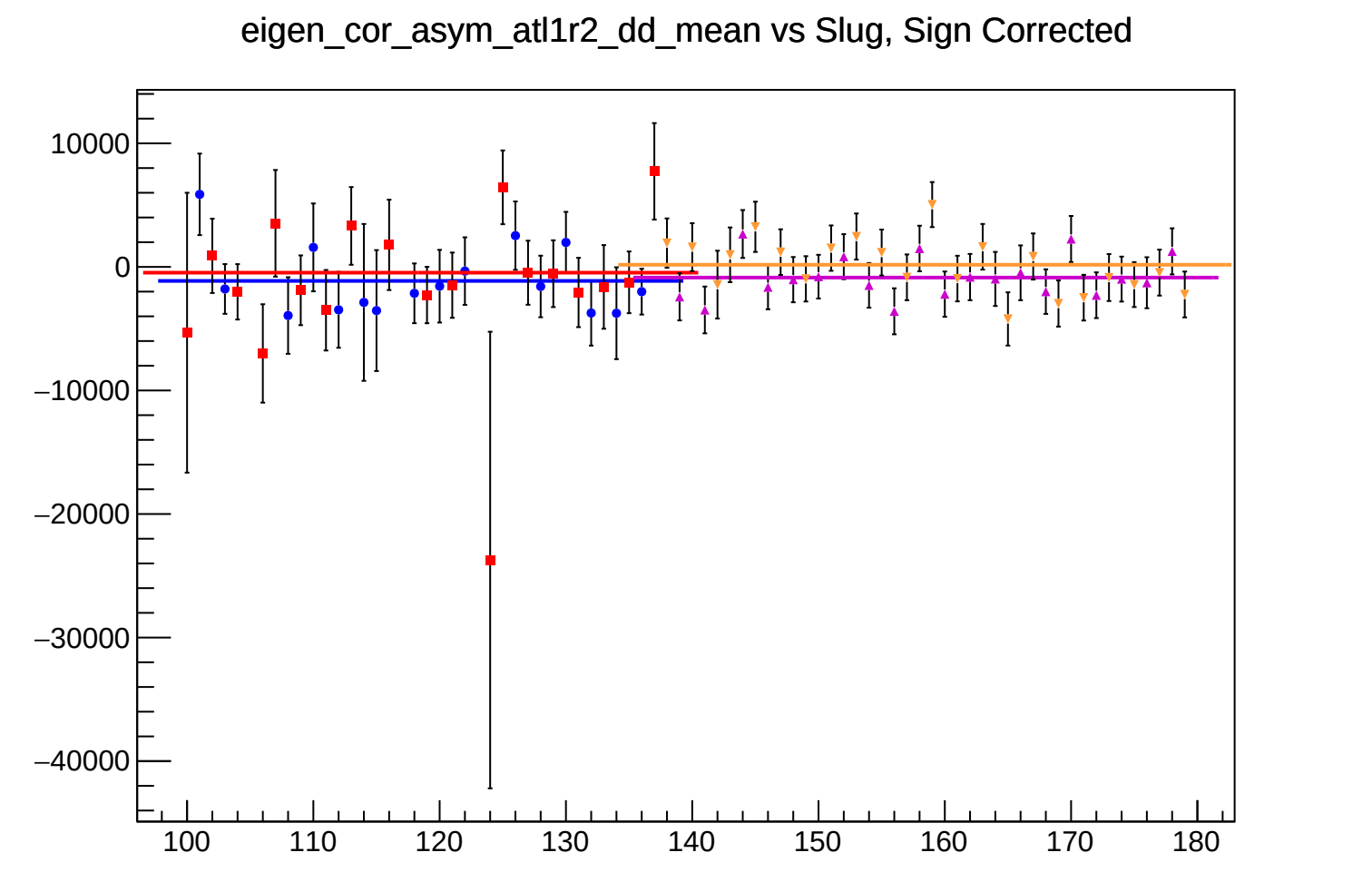
Left: 3955.105+/-0.494 χ^2/NDF: 2876006.3/41

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3936.450+/-0.588 χ^2/NDF:1966637.4/35

Out: 1409.274+/-0.321 χ^2/NDF:29732378.3/40

All: 1988.731+/-0.282 χ^2/NDF: 45922702.2/7



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 173.087+/-408.964 χ^2/NDF:27.5/21

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -863.293+/-420.867 χ^2/NDF:16.5/19

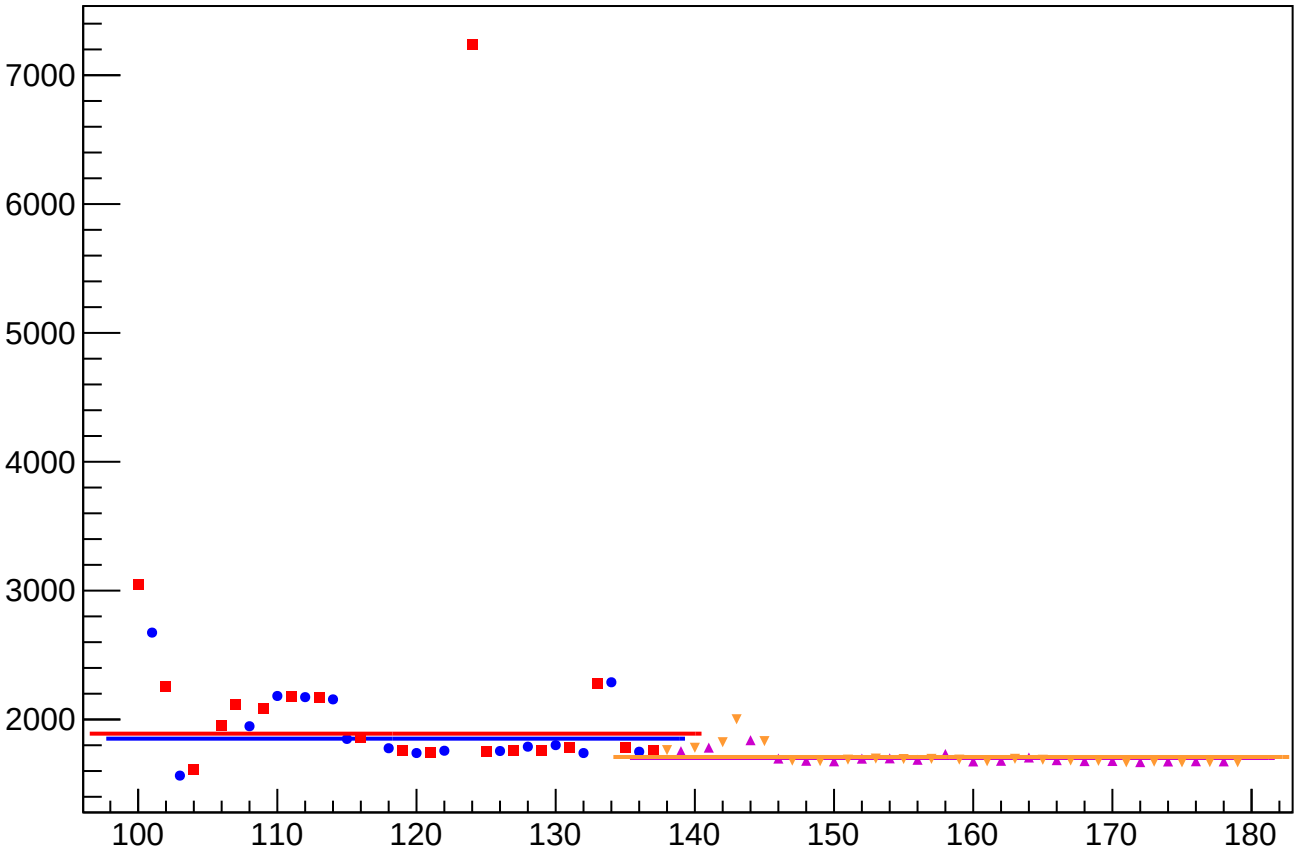
Left: -330.241+/-293.299 χ^2/NDF: 47.2/41

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -936.169+/-359.834 χ^2/NDF:28.9/35

Out: 12.519+/-353.870 χ^2/NDF:48.2/40

All: -453.897+/-252.306 χ^2/NDF: 80.6/76



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1708.923+/-0.289 χ^2/NDF:58517.8/21

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1701.061+/-0.298 χ^2/NDF:19885.6/19

Left: 1705.105+/-0.207 χ^2/NDF: 78762.4/41

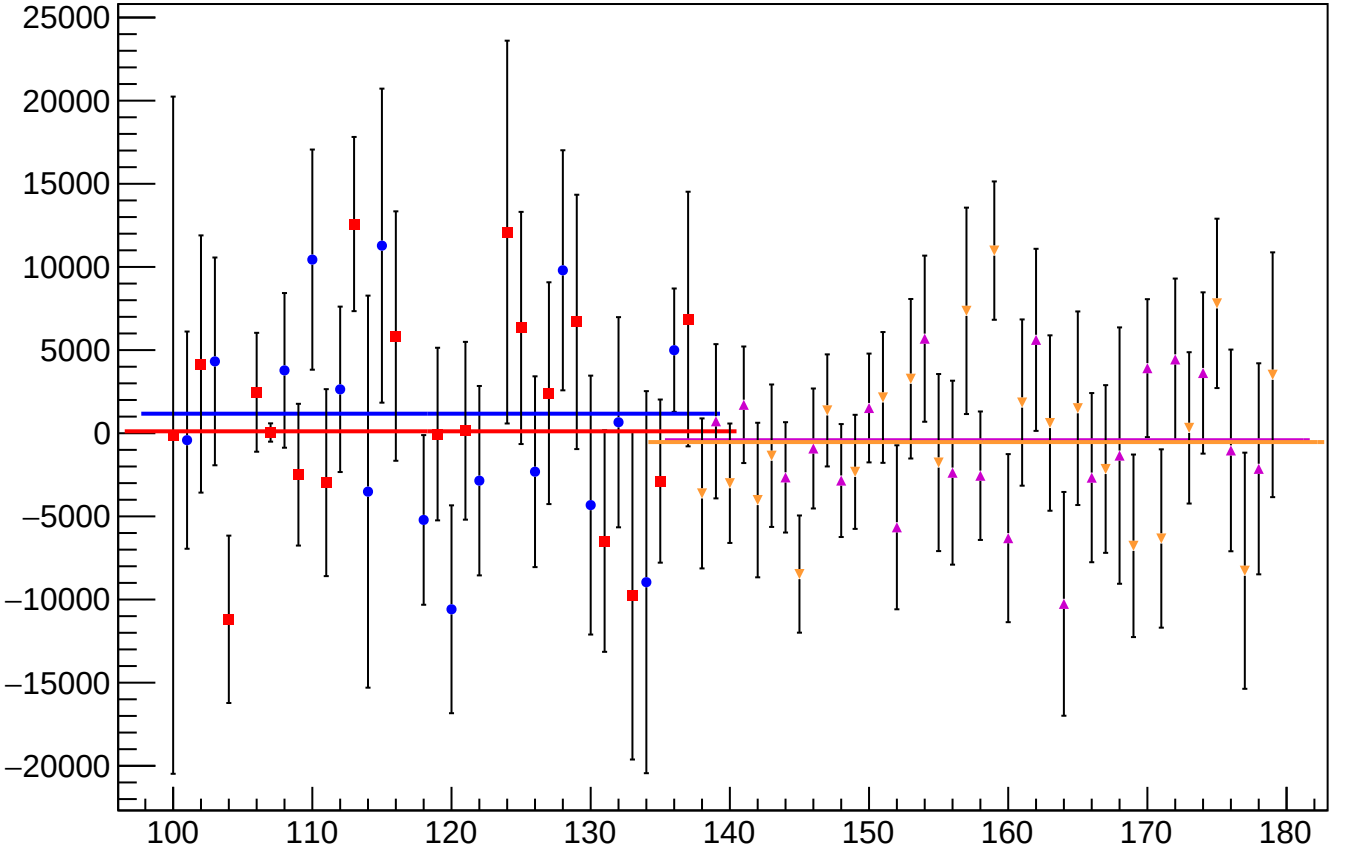
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1741.430+/-0.254 χ^2/NDF:348270.9/35

Out: 1754.564+/-0.250 χ^2/NDF:516460.1/40

All: 1748.111+/-0.178 χ^2/NDF: 866086.3/76

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -531.211+/-977.702 χ^2/NDF:24.8/21

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -419.912+/-999.171 χ^2/NDF:12.6/19

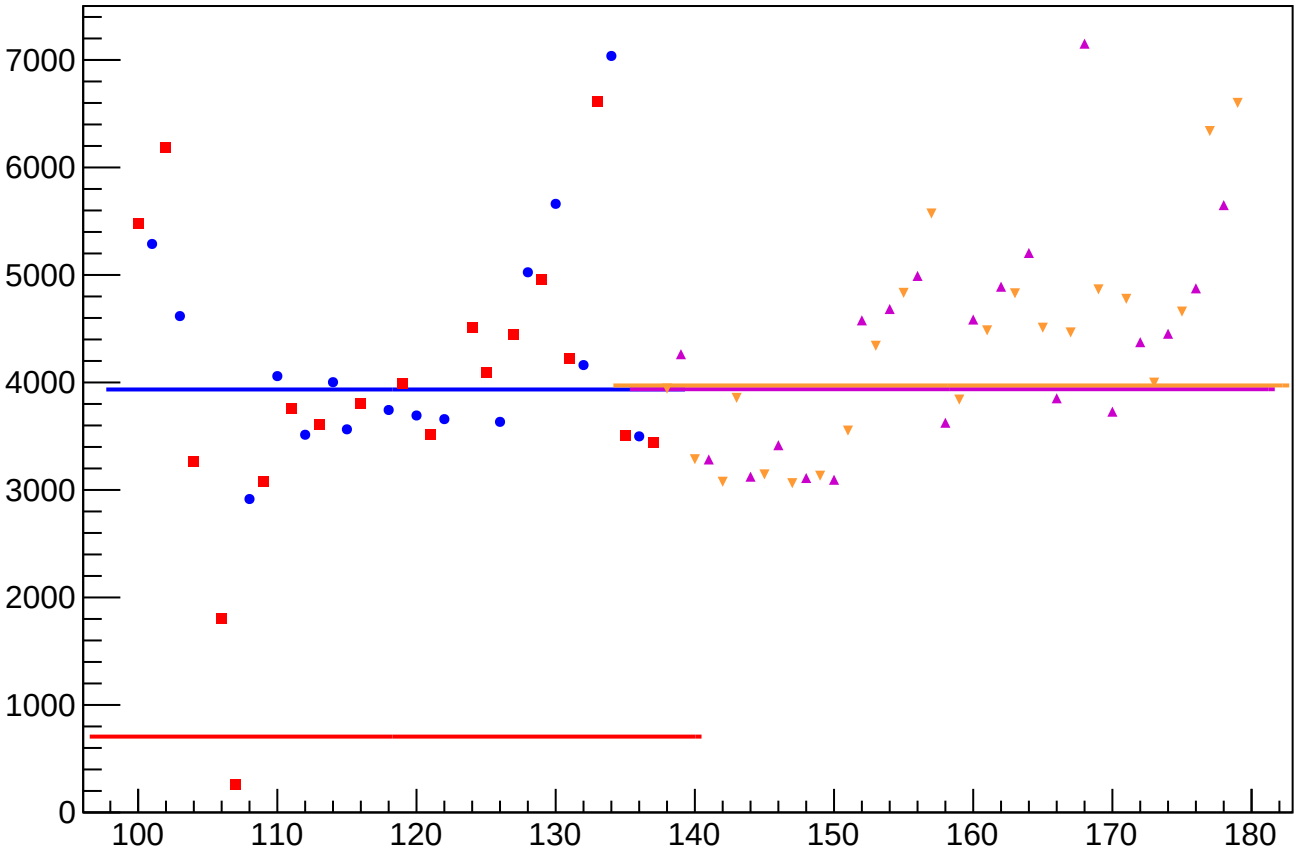
Left: -476.770+/-698.807 χ^2/NDF: 37.4/41

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 69.427+/-831.936 χ^2/NDF:27.1/35

Out: -23.480+/-453.771 χ^2/NDF:43.7/40

All: -2.177+/-398.366 χ^2/NDF: 70.8/76



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3972.236+/-0.691 χ^2/NDF:1468267.2/21

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

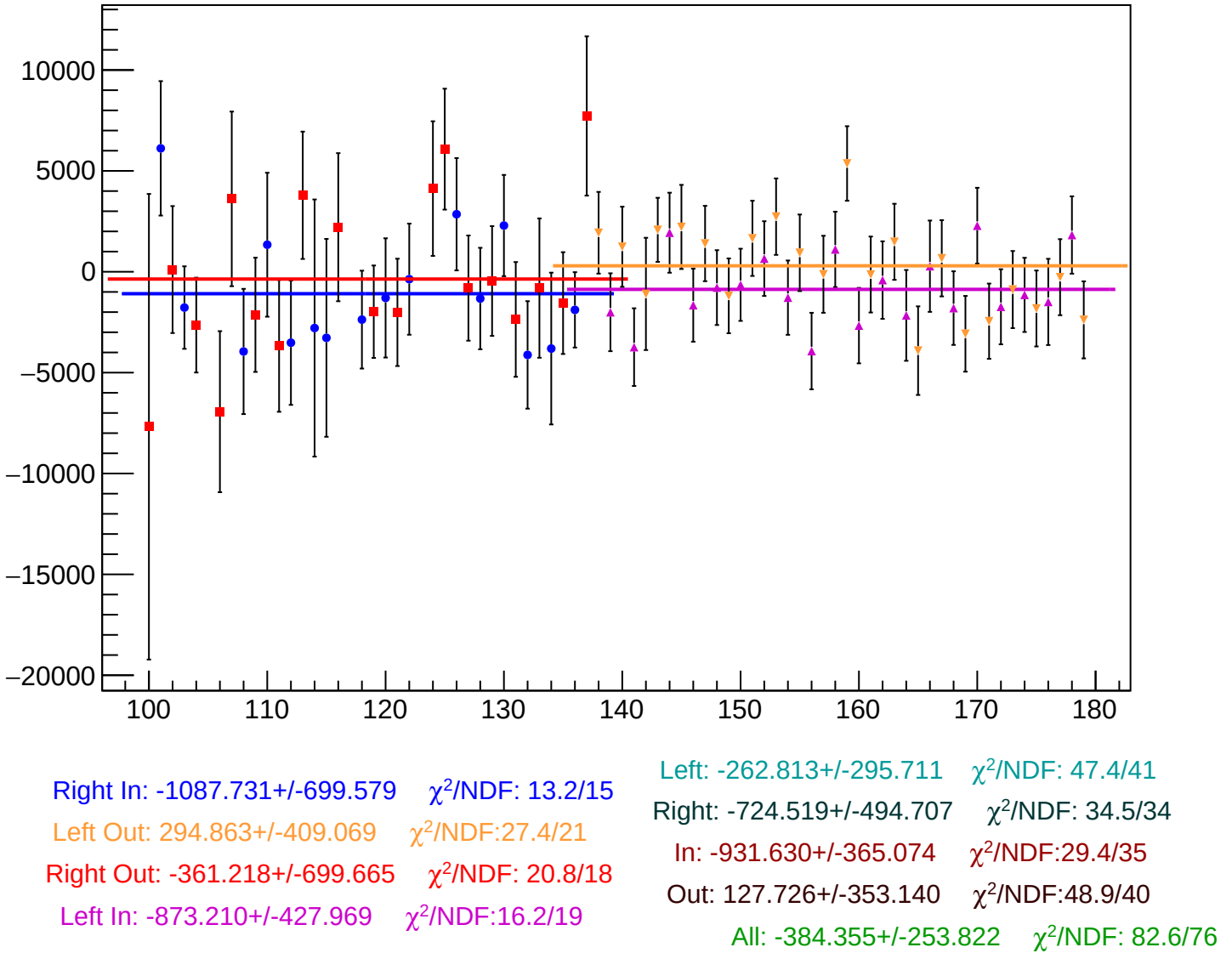
Left: 3955.105+/-0.494 χ^2/NDF: 2876006.3/41

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

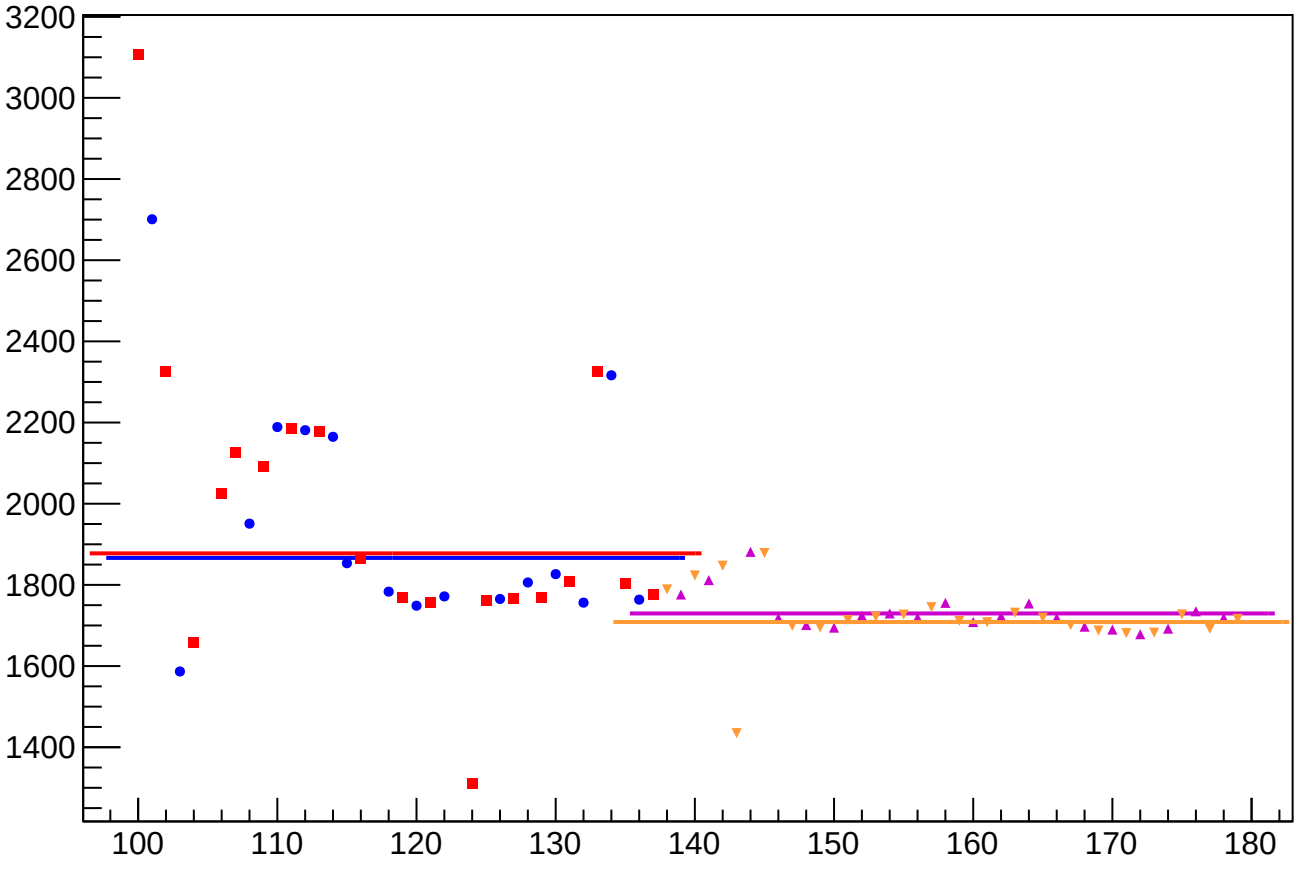
In: 3936.450+/-0.588 χ^2/NDF:1966637.4/35

Out: 1409.274+/-0.321 χ^2/NDF:29732378.3/40

All: 1988.731+/-0.282 χ^2/NDF: 45922702.2/7


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 294.863+/-409.069 χ²/NDF:27.4/21
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -873.210+/-427.969 χ²/NDF:16.2/19
Left: -262.813+/-295.711 χ²/NDF: 47.4/41
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -931.630+/-365.074 χ²/NDF:29.4/35
Out: 127.726+/-353.140 χ²/NDF:48.9/40
All: -384.355+/-253.822 χ²/NDF: 82.6/76

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.459+/-0.289 χ^2/NDF:90613.5/21

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1729.615+/-0.303 χ^2/NDF:22825.3/19

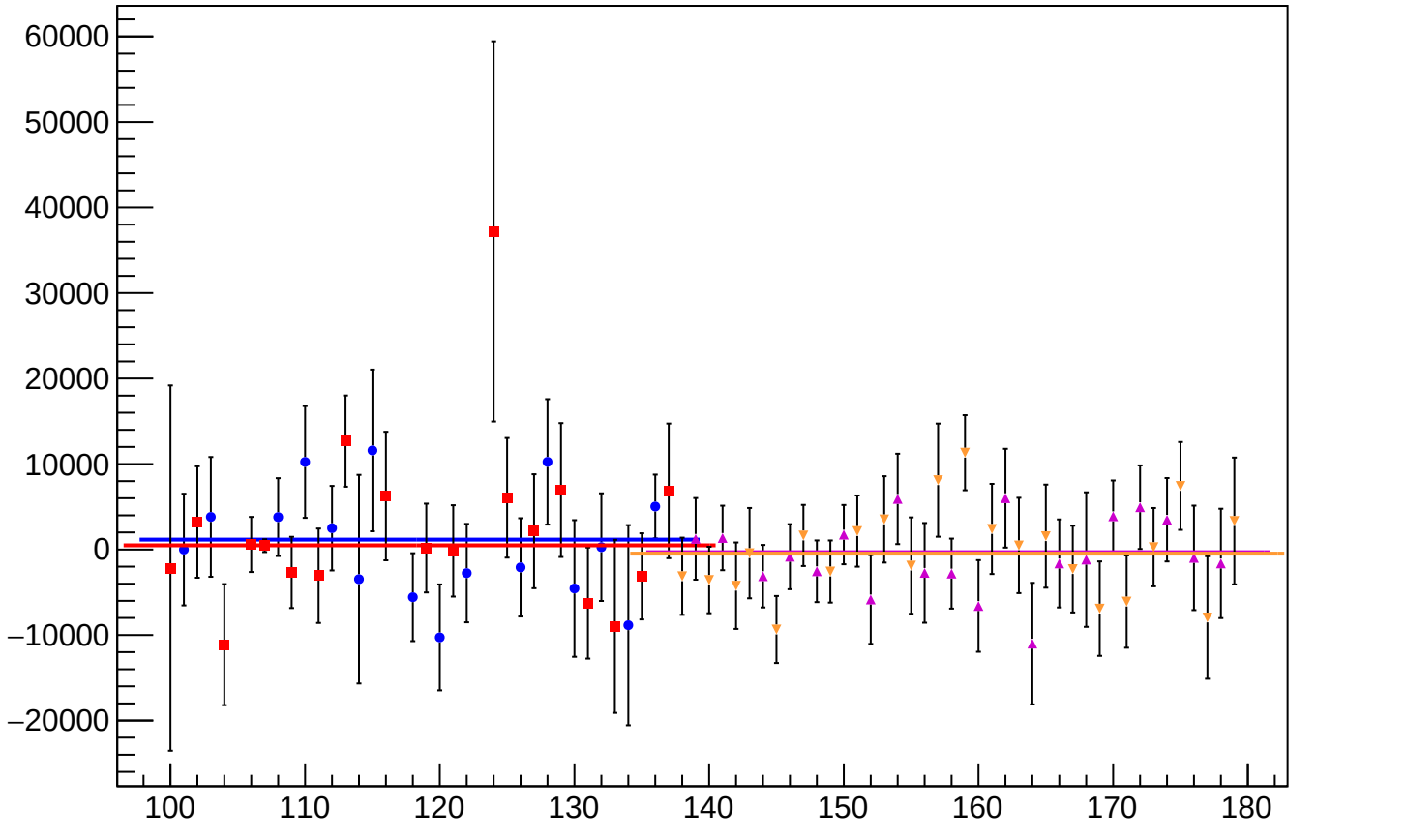
Left: 1718.559+/-0.209 χ^2/NDF: 115992.8/41

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1766.880+/-0.258 χ^2/NDF:334771.2/35

Out: 1751.616+/-0.250 χ^2/NDF:429738.5/40

All: 1758.993+/-0.179 χ^2/NDF: 766316.4/76



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -475.629+/-1032.923 χ^2/NDF:24.1/21

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -310.043+/-1047.914 χ^2/NDF:12.5/19

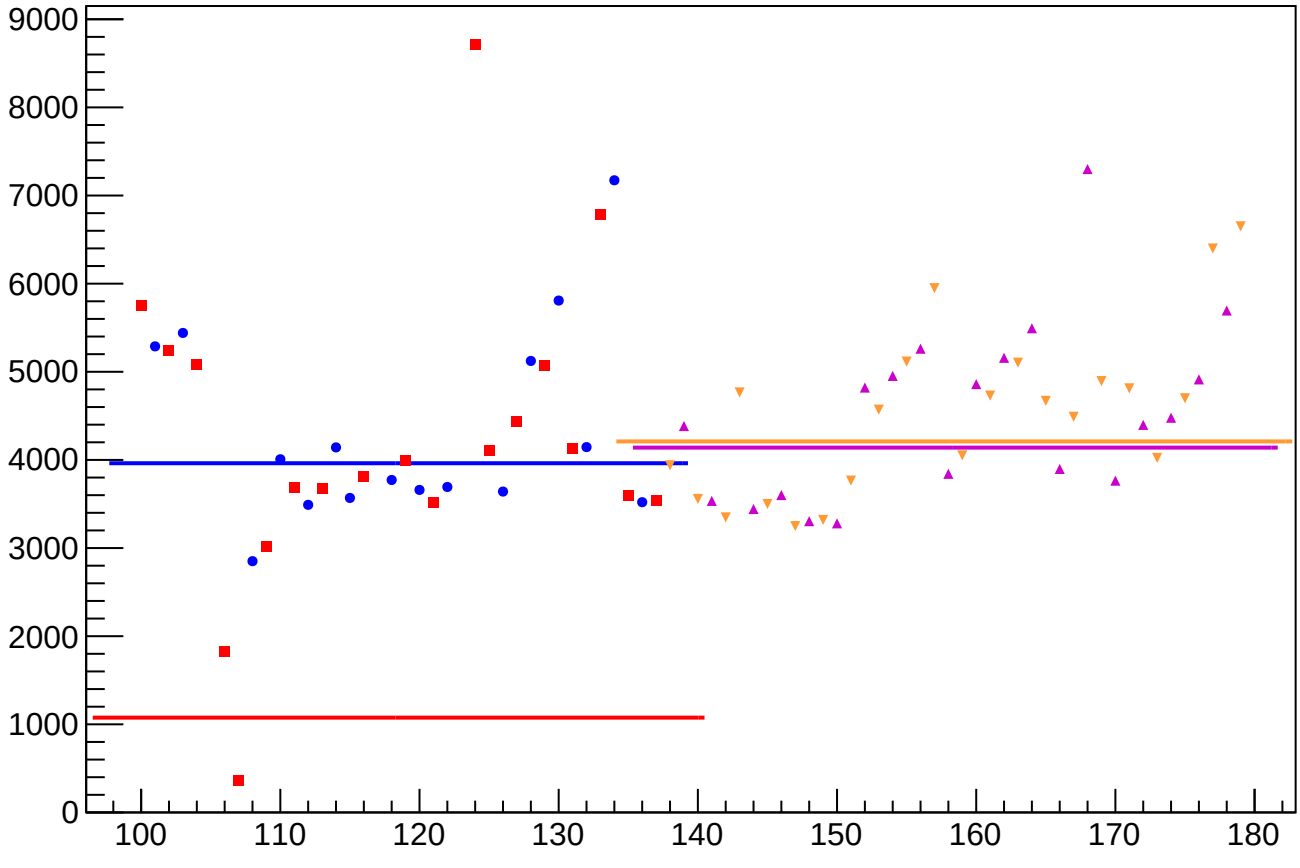
Left: -394.029+/-735.630 χ^2/NDF: 36.6/41

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 167.224+/-861.323 χ^2/NDF:26.7/35

Out: 213.018+/-555.269 χ^2/NDF:41.7/40

All: 199.573+/-466.695 χ^2/NDF: 68.4/76



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4209.993+/-0.730 χ^2/NDF:1268281.2/21

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4139.670+/-0.741 χ^2/NDF:1245323.4/19

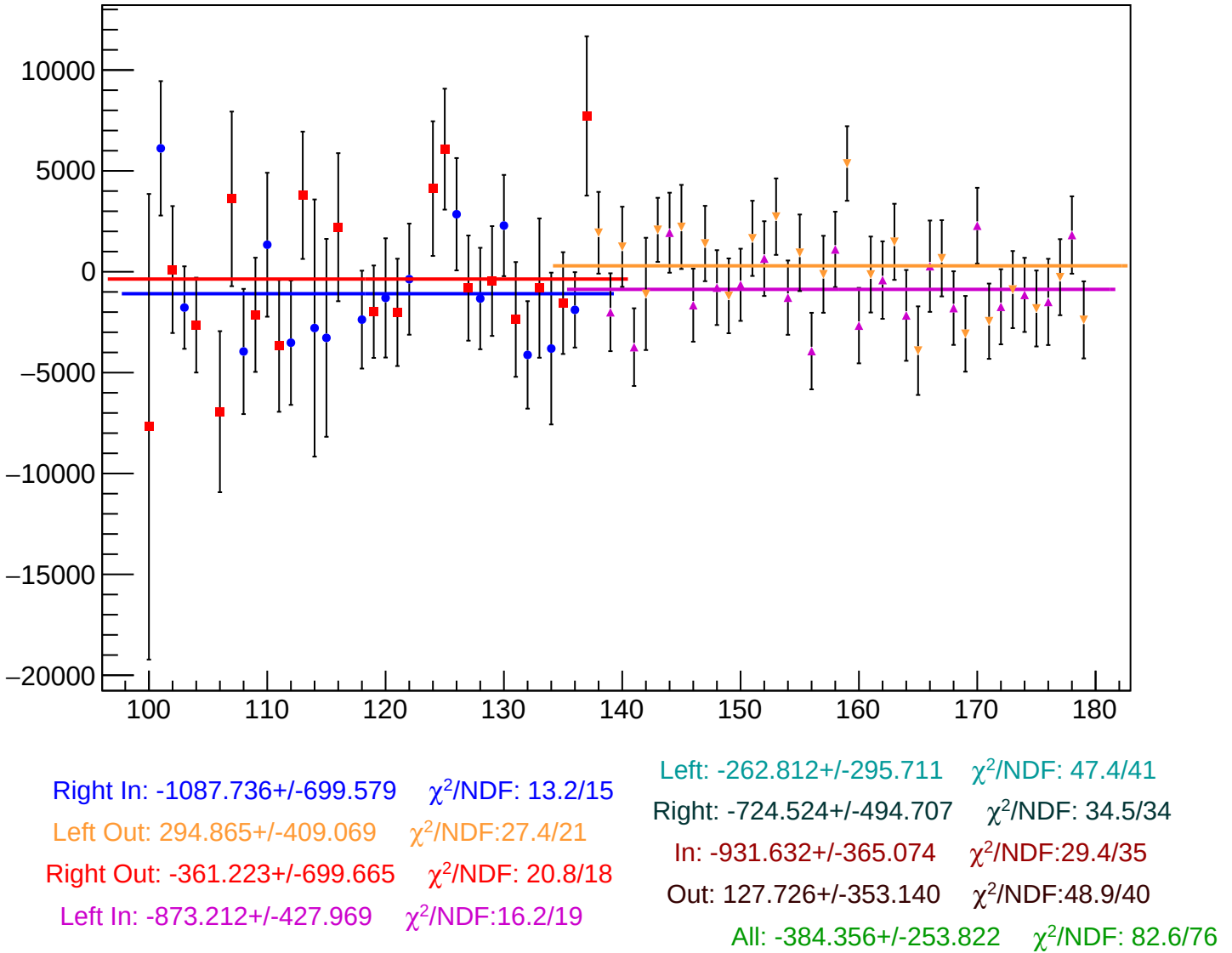
Left: 4175.338+/-0.520 χ^2/NDF: 2518172.9/41

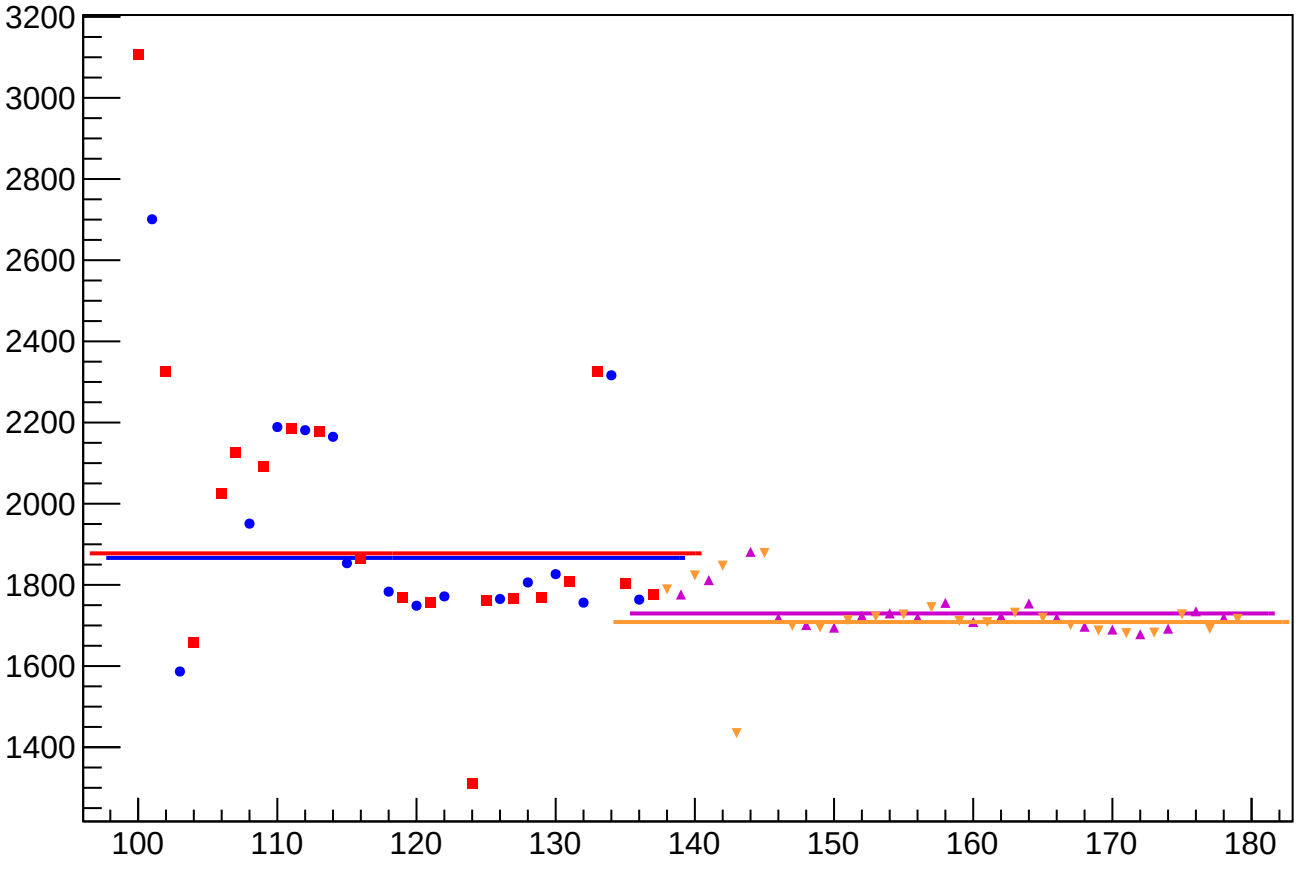
Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4082.150+/-0.609 χ^2/NDF:1932236.9/35

Out: 1981.635+/-0.393 χ^2/NDF:23917949.0/40

All: 2598.315+/-0.330 χ^2/NDF: 34252704.9/7


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 294.865+/-409.069 χ²/NDF:27.4/21
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -873.212+/-427.969 χ²/NDF:16.2/19
Left: -262.812+/-295.711 χ²/NDF: 47.4/41
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -931.632+/-365.074 χ²/NDF:29.4/35
Out: 127.726+/-353.140 χ²/NDF:48.9/40
All: -384.356+/-253.822 χ²/NDF: 82.6/76



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.460+/-0.289 χ^2/NDF:90612.7/21

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.615+/-0.303 χ^2/NDF:22825.3/19

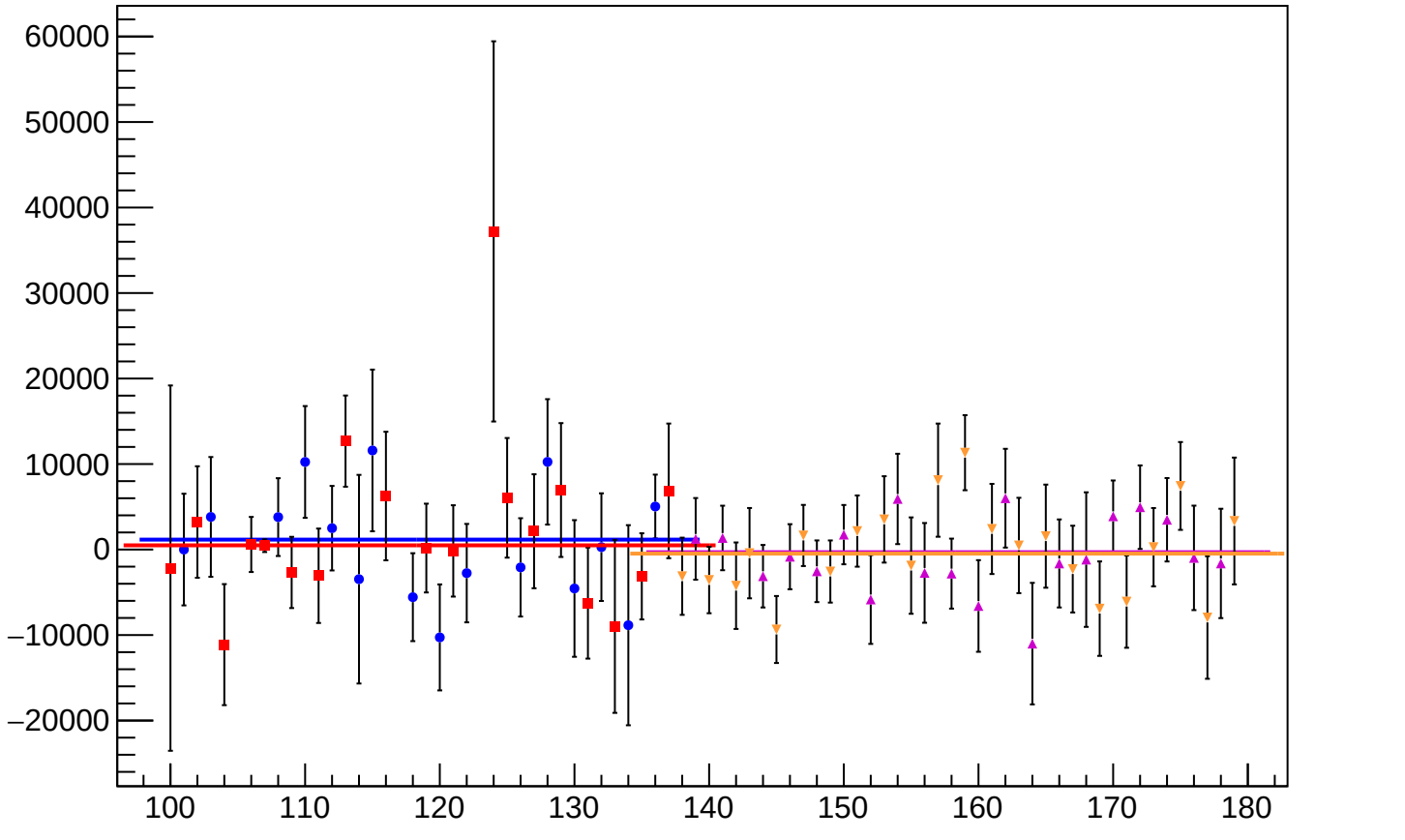
Left: 1718.560+/-0.209 χ^2/NDF: 115992.0/41

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1766.880+/-0.258 χ^2/NDF:334770.4/35

Out: 1751.616+/-0.250 χ^2/NDF:429737.3/40

All: 1758.993+/-0.179 χ^2/NDF: 766314.3/76



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -475.630+/-1032.925 χ^2/NDF:24.1/21

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -310.042+/-1047.915 χ^2/NDF:12.5/19

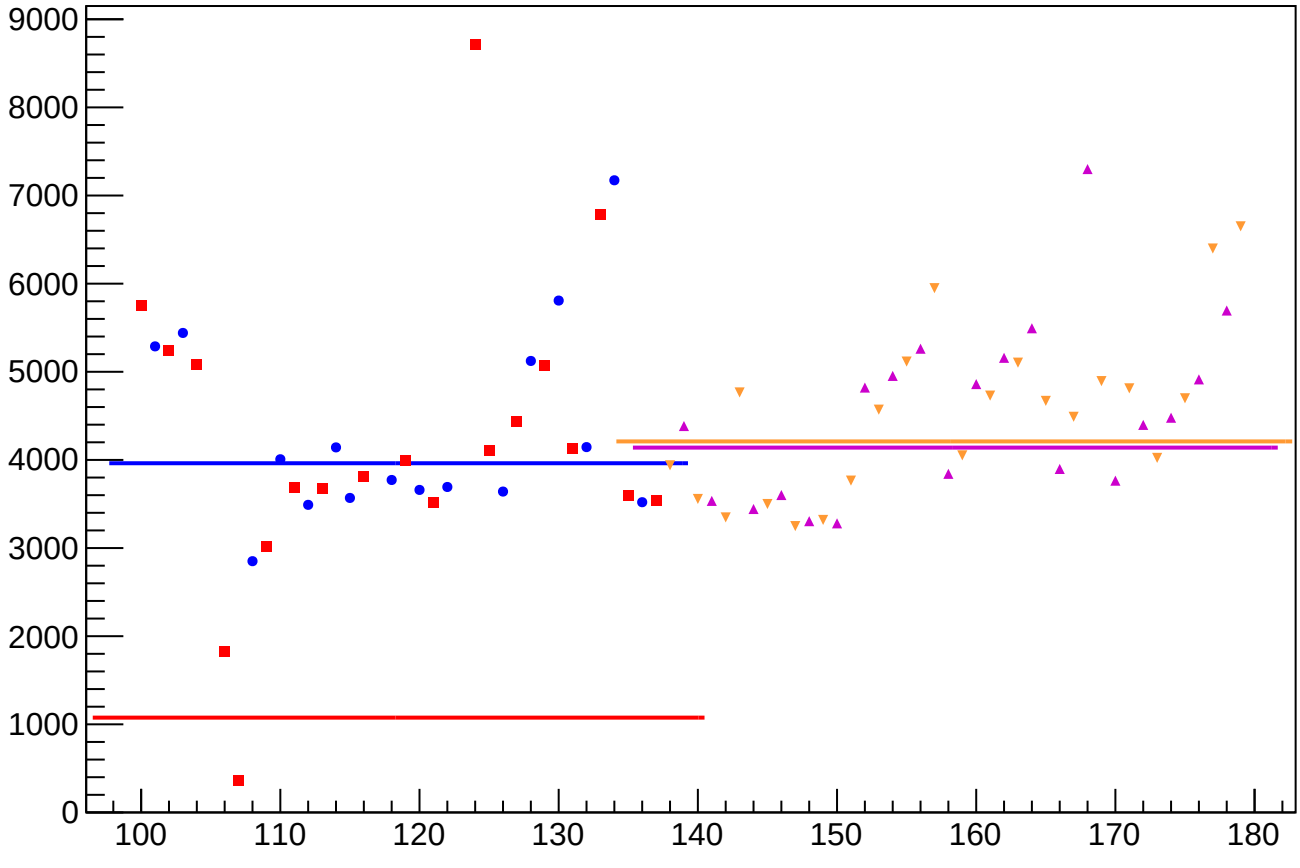
Left: -394.029+/-735.631 χ^2/NDF: 36.6/41

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 167.220+/-861.323 χ^2/NDF:26.7/35

Out: 213.017+/-555.275 χ^2/NDF:41.7/40

All: 199.571+/-466.699 χ^2/NDF: 68.4/76



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4209.998+/-0.730 χ^2/NDF:1268283.5/21

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4139.675+/-0.741 χ^2/NDF:1245326.8/19

Left: 4175.343+/-0.520 χ^2/NDF: 2518178.7/41

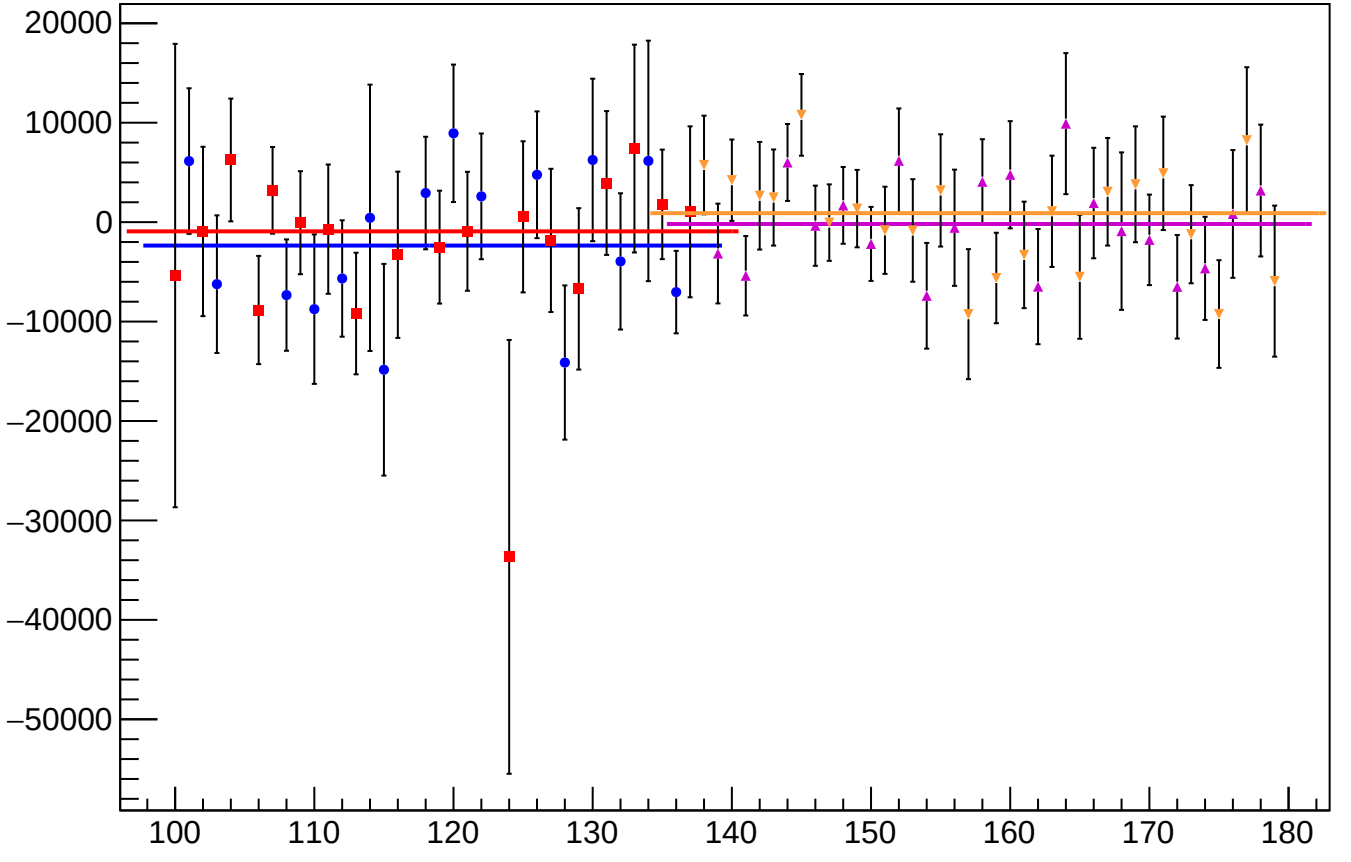
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4082.152+/-0.609 χ^2/NDF:1932239.3/35

Out: 1981.678+/-0.393 χ^2/NDF:23917462.6/40

All: 2598.356+/-0.330 χ^2/NDF: 34251826.5/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 902.627+/-1077.781 χ^2/NDF:20.7/21

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -186.781+/-1099.689 χ^2/NDF:16.2/19

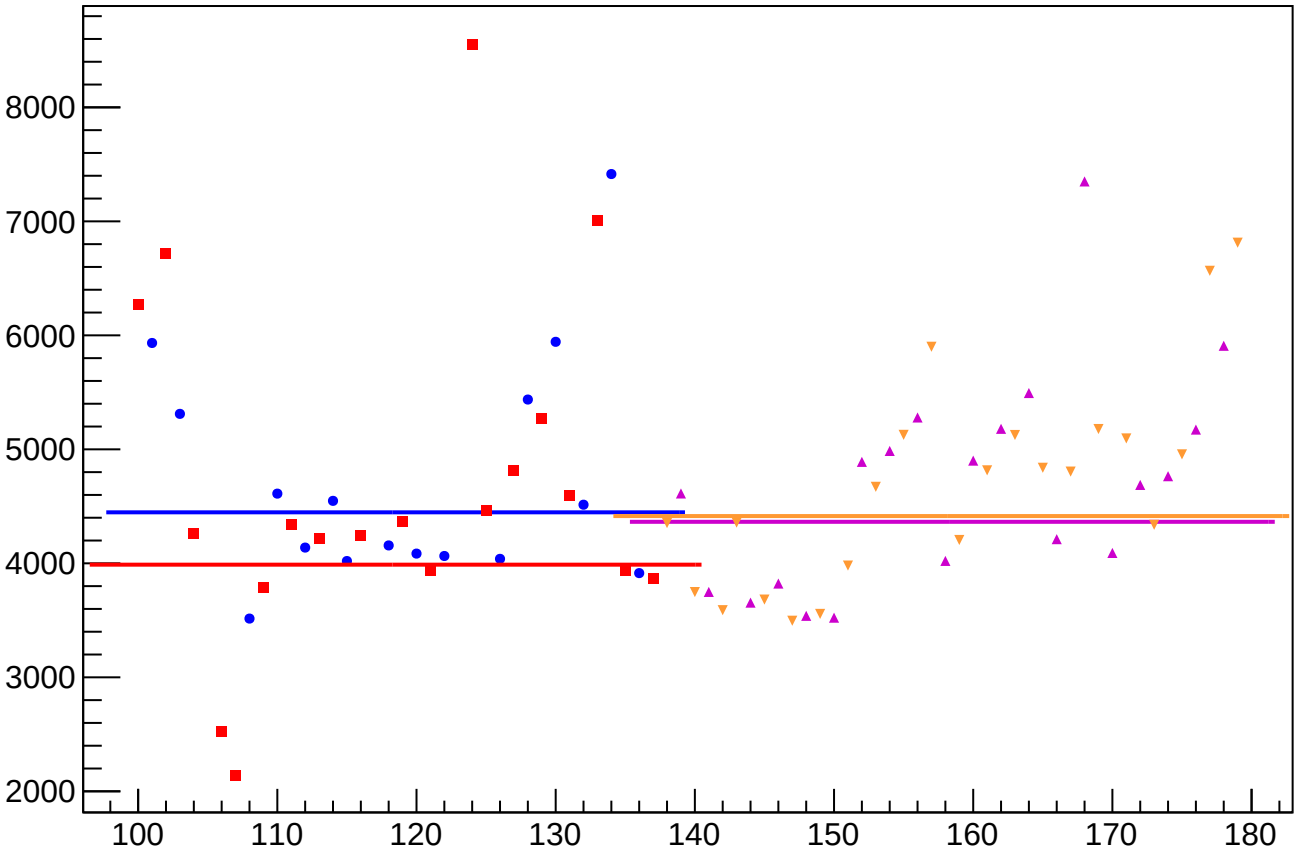
Left: 368.882+/-769.735 χ^2/NDF: 37.4/41

Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -834.509+/-920.882 χ^2/NDF:32.9/35

Out: 305.388+/-884.305 χ^2/NDF:32.2/40

All: -241.473+/-637.837 χ^2/NDF: 65.9/76



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4414.653+/-0.762 χ^2/NDF:1056350.7/21

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4364.234+/-0.778 χ^2/NDF:1021030.8/19

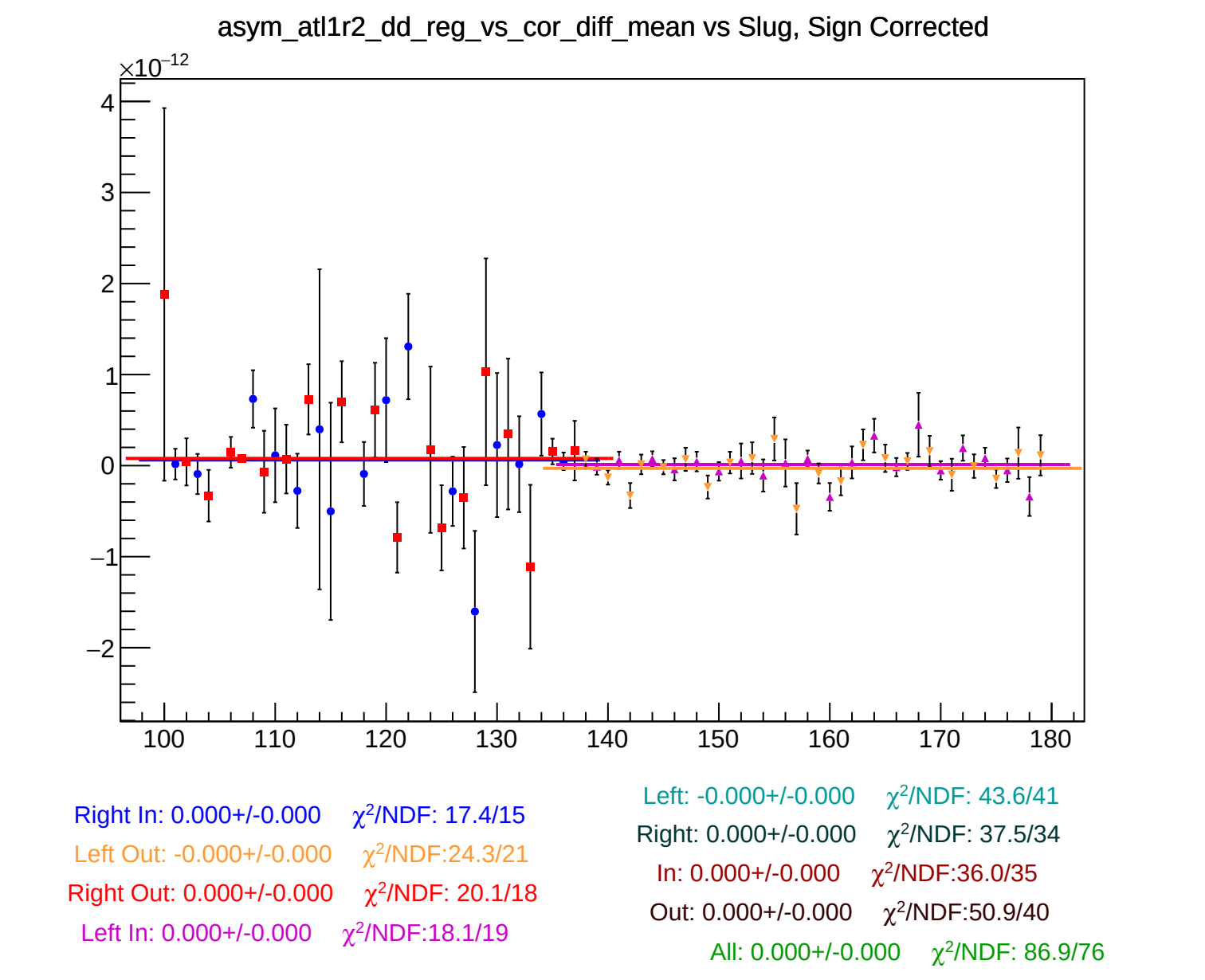
Left: 4389.950+/-0.544 χ^2/NDF: 2079525.9/41

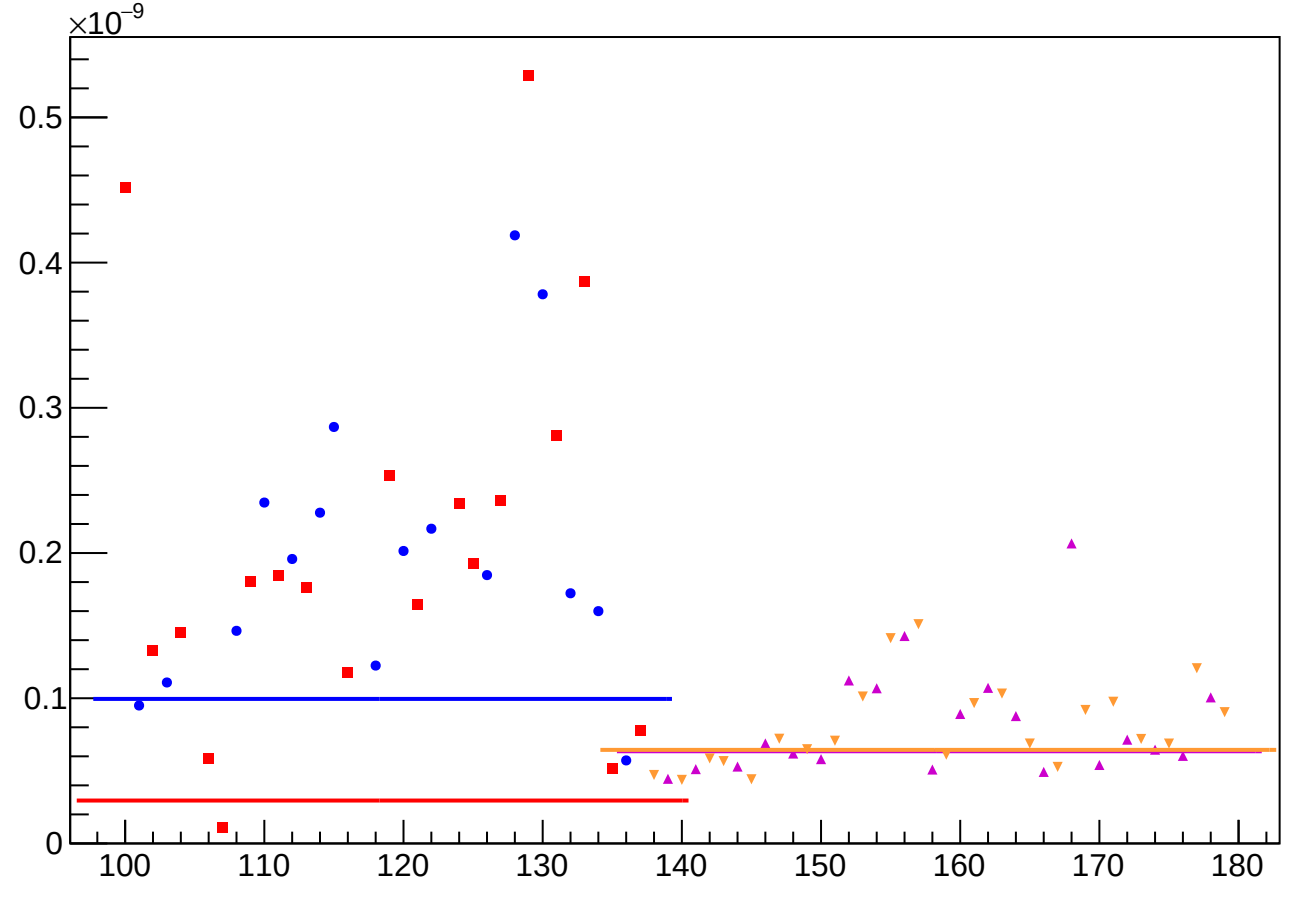
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4389.087+/-0.651 χ^2/NDF:1482701.4/35

Out: 4273.427+/-0.623 χ^2/NDF:2303965.4/40

All: 4328.725+/-0.450 χ^2/NDF: 3803132.2/76


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:24.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:18.1/19
Left: -0.000+/-0.000 χ²/NDF: 43.6/41
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:36.0/35
Out: 0.000+/-0.000 χ²/NDF:50.9/40
All: 0.000+/-0.000 χ²/NDF: 86.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1343268.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1316806.2/19

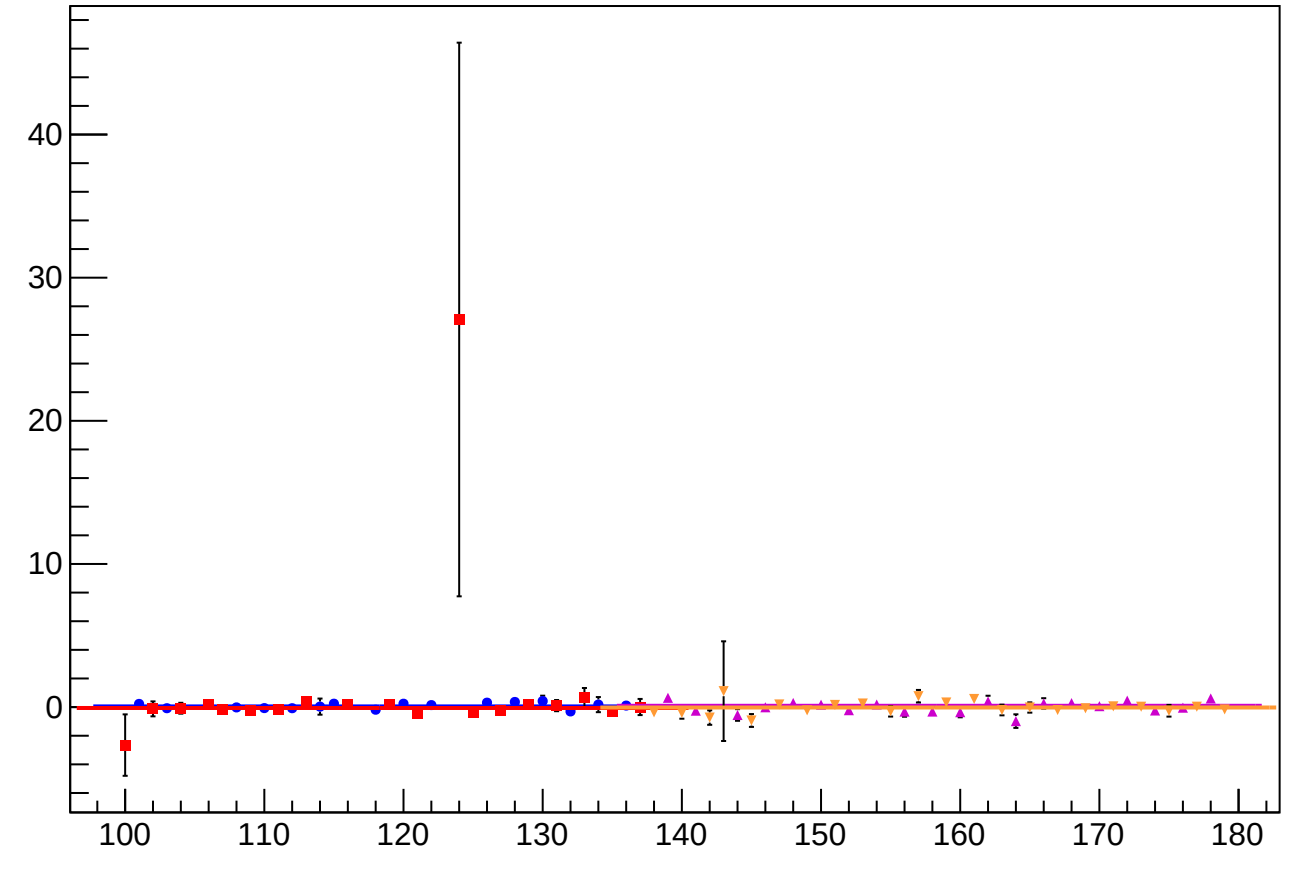
Left: 0.000+/-0.000 χ^2/NDF: 2661323.7/41

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3362659.1/35

Out: 0.000+/-0.000 χ^2/NDF:7057839.3/40

All: 0.000+/-0.000 χ^2/NDF: 10992940.5/76



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.092+/-0.065 χ^2/NDF:30.1/19

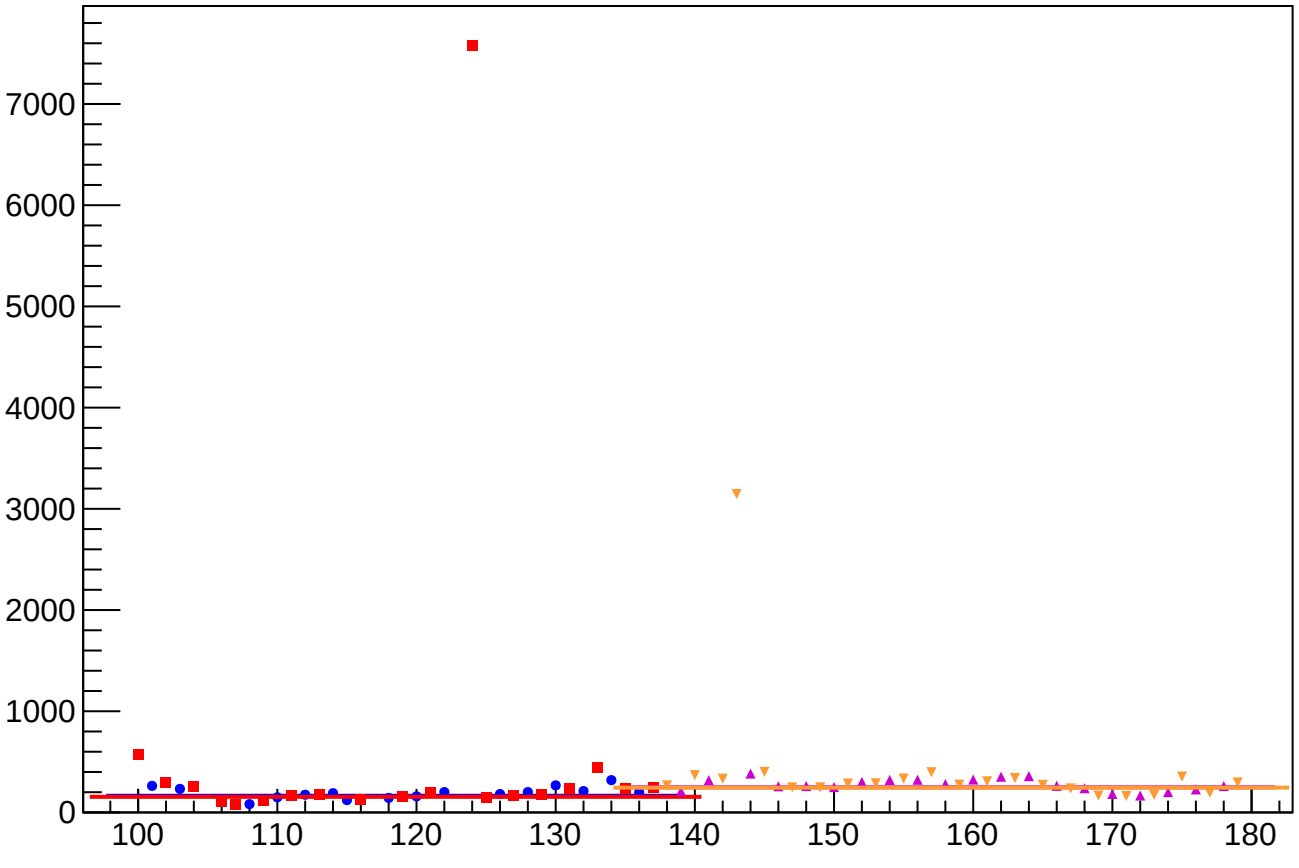
Left: 0.031+/-0.045 χ^2/NDF: 51.9/41

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.012+/-0.032 χ^2/NDF: 79.7/76



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 245.289+/-0.045 χ^2/NDF:3828544.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.512+/-0.046 χ^2/NDF:1638250.3/19

Left: 246.869+/-0.032 χ^2/NDF: 5469333.1/41

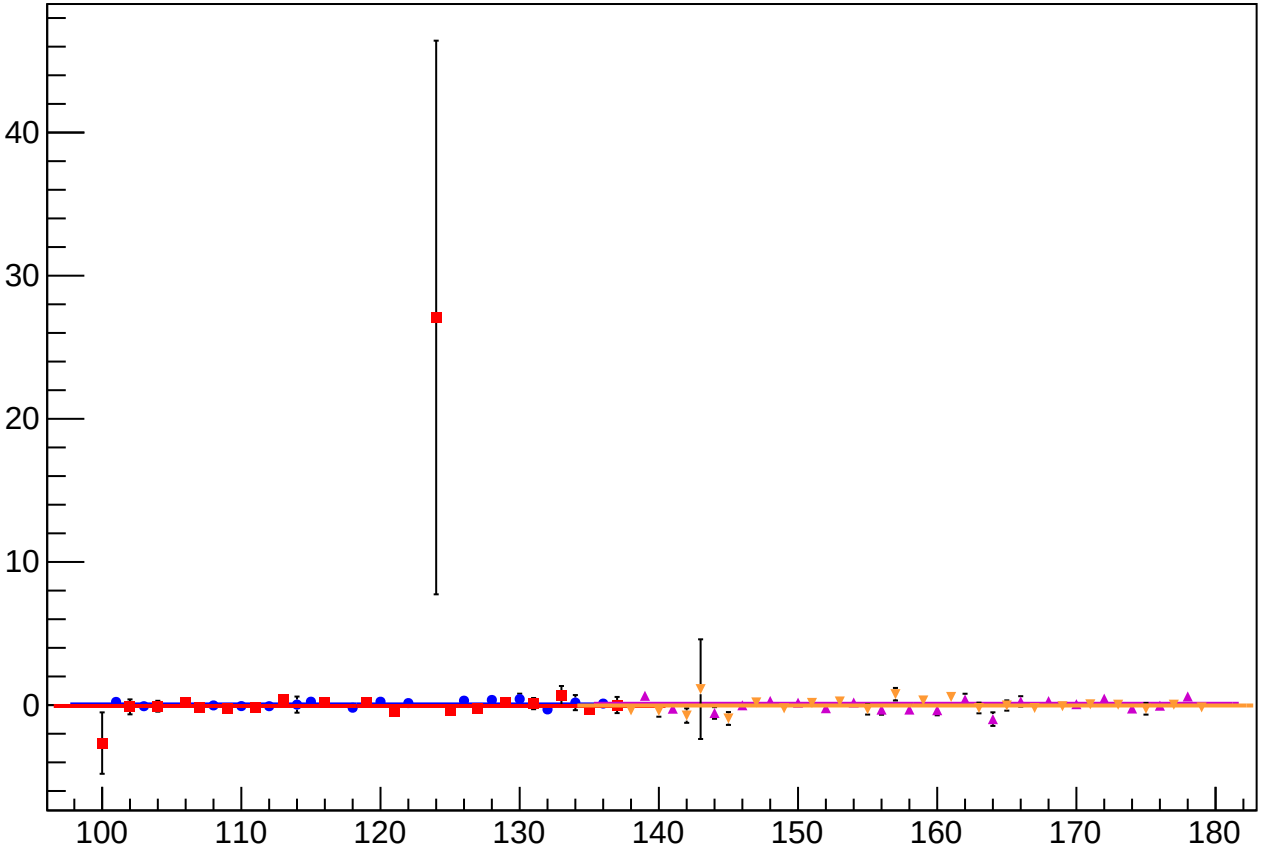
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 207.854+/-0.033 χ^2/NDF:4743987.4/35

Out: 200.594+/-0.032 χ^2/NDF:7775125.0/40

All: 204.134+/-0.023 χ^2/NDF: 12544315.1/76

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.092+/-0.065 χ^2/NDF:30.1/19

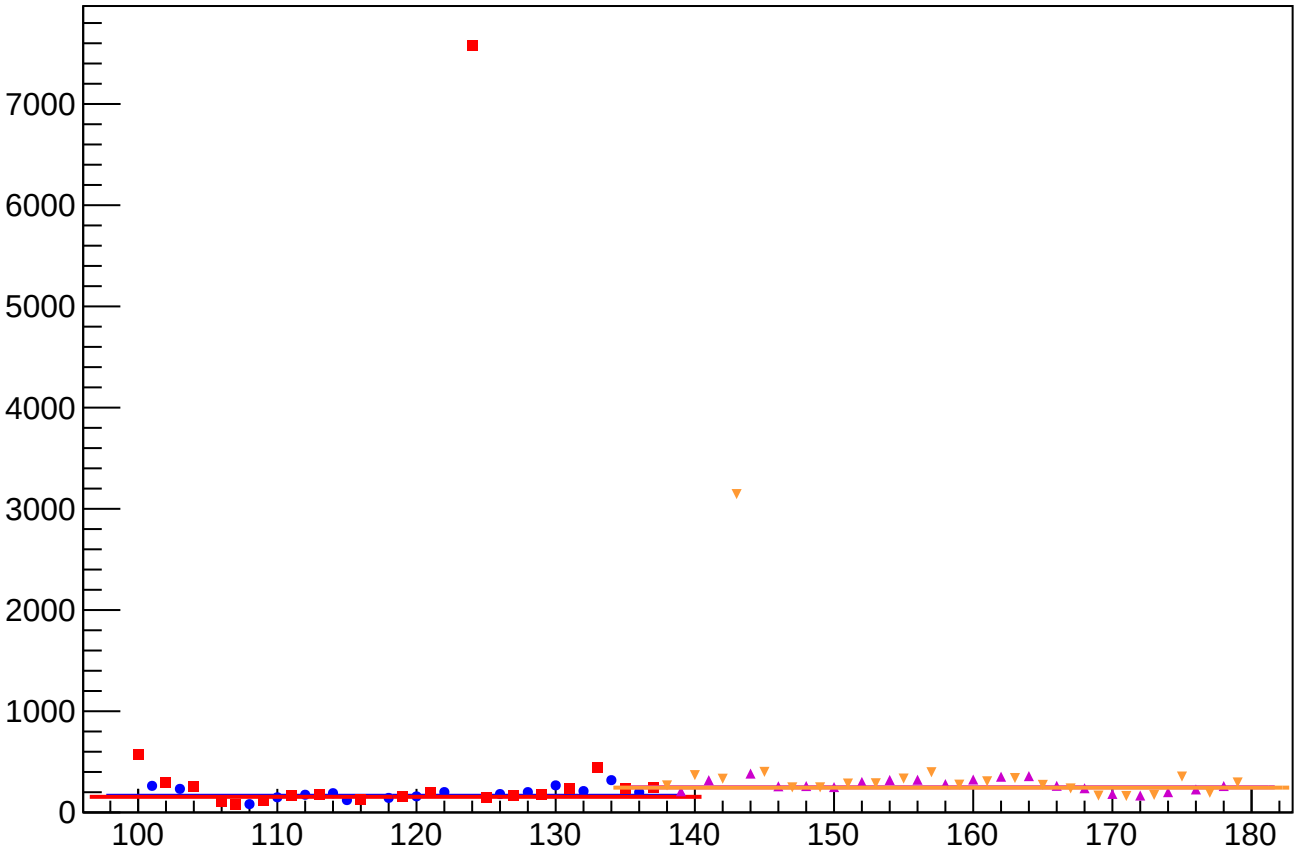
Left: 0.031+/-0.045 χ^2/NDF: 51.9/41

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.012+/-0.032 χ^2/NDF: 79.7/76



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 245.289+/-0.045 χ^2/NDF:3828544.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.512+/-0.046 χ^2/NDF:1638250.3/19

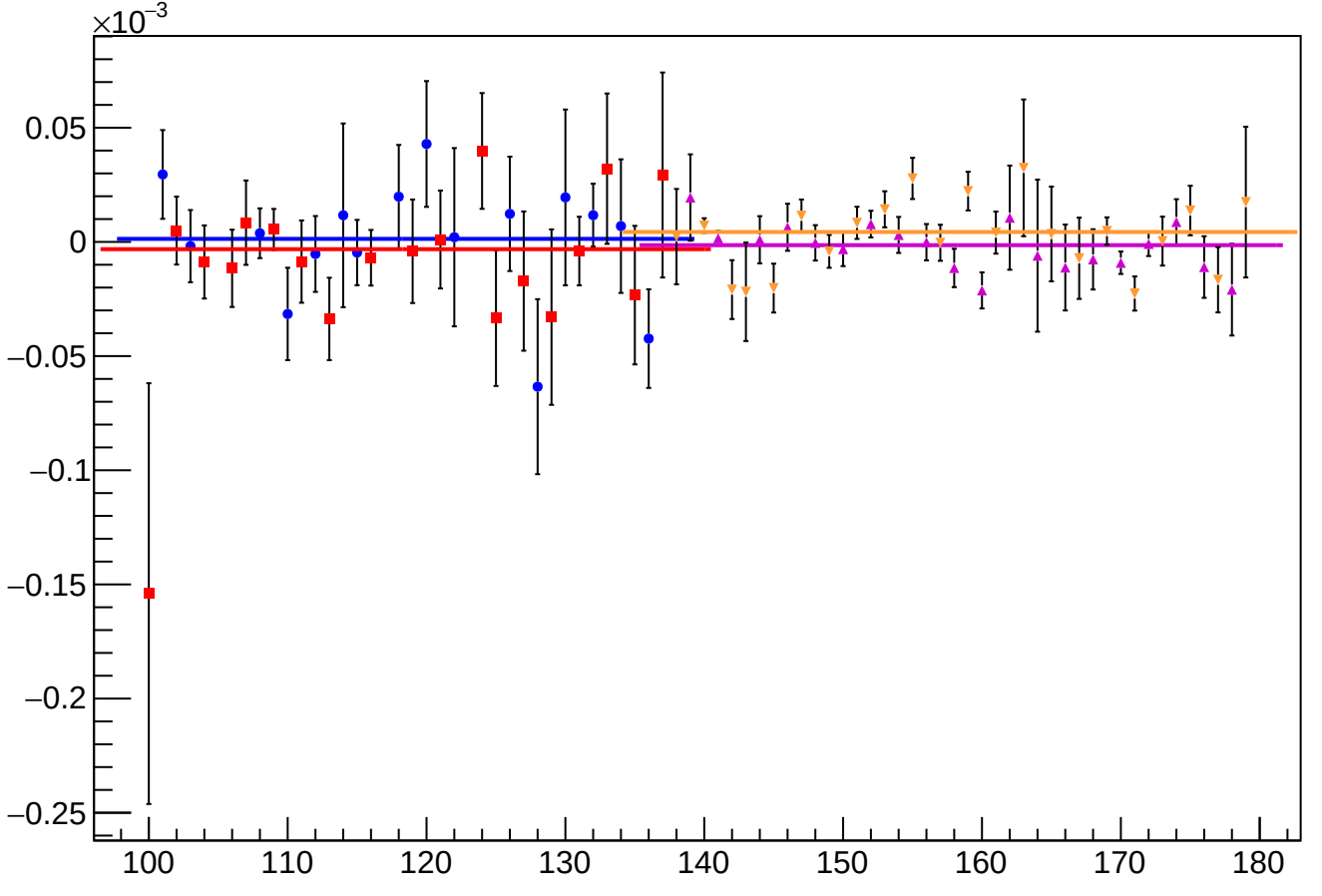
Left: 246.869+/-0.032 χ^2/NDF: 5469333.1/41

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 207.854+/-0.033 χ^2/NDF:4743987.4/35

Out: 200.594+/-0.032 χ^2/NDF:7775125.0/40

All: 204.134+/-0.023 χ^2/NDF: 12544315.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/19

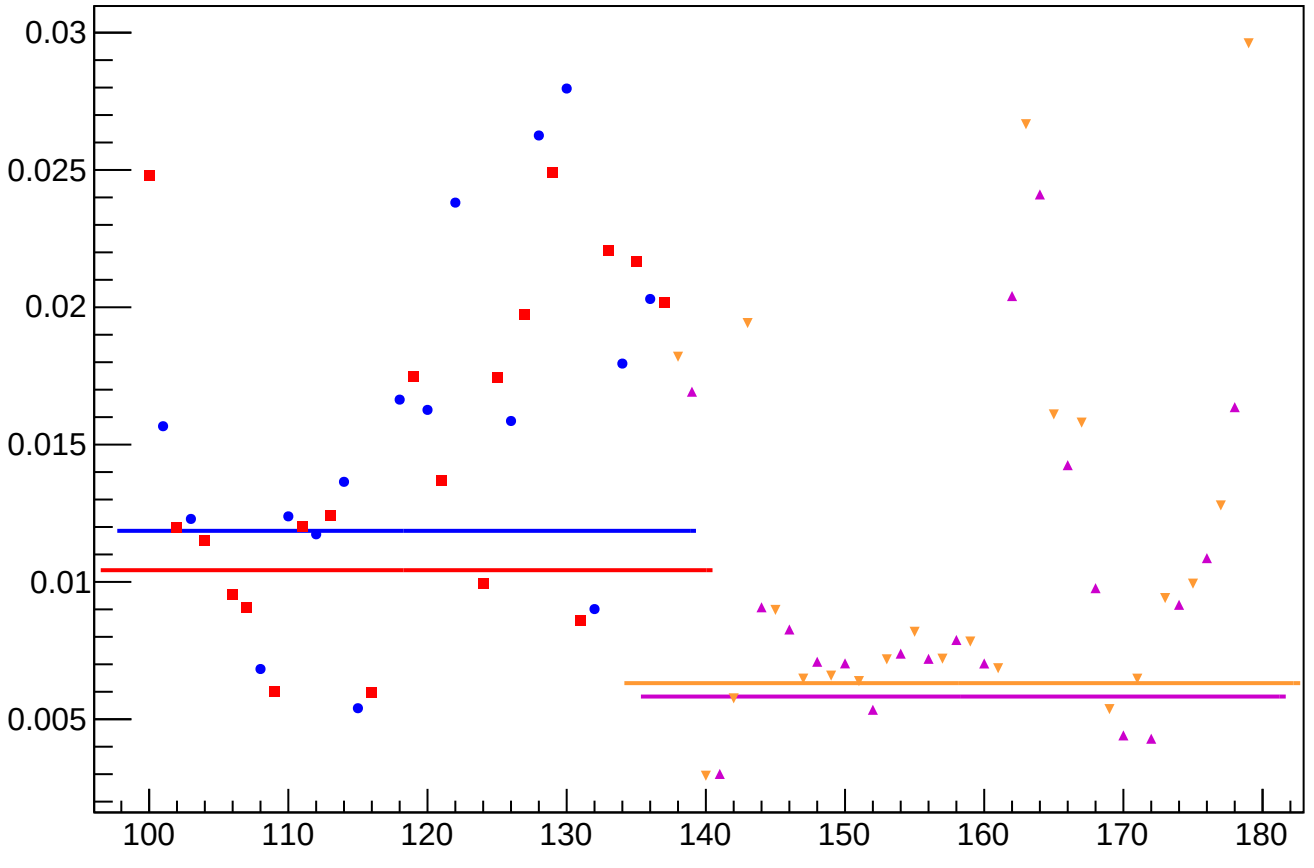
Left: 0.000+/-0.000 χ^2/NDF: 69.4/41

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:35.5/35

Out: 0.000+/-0.000 χ^2/NDF:62.0/40

All: 0.000+/-0.000 χ^2/NDF: 101.2/76



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:7714935.0/21

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:6355826.1/19

Left: 0.006+/-0.000 χ^2/NDF: 14150670.6/41

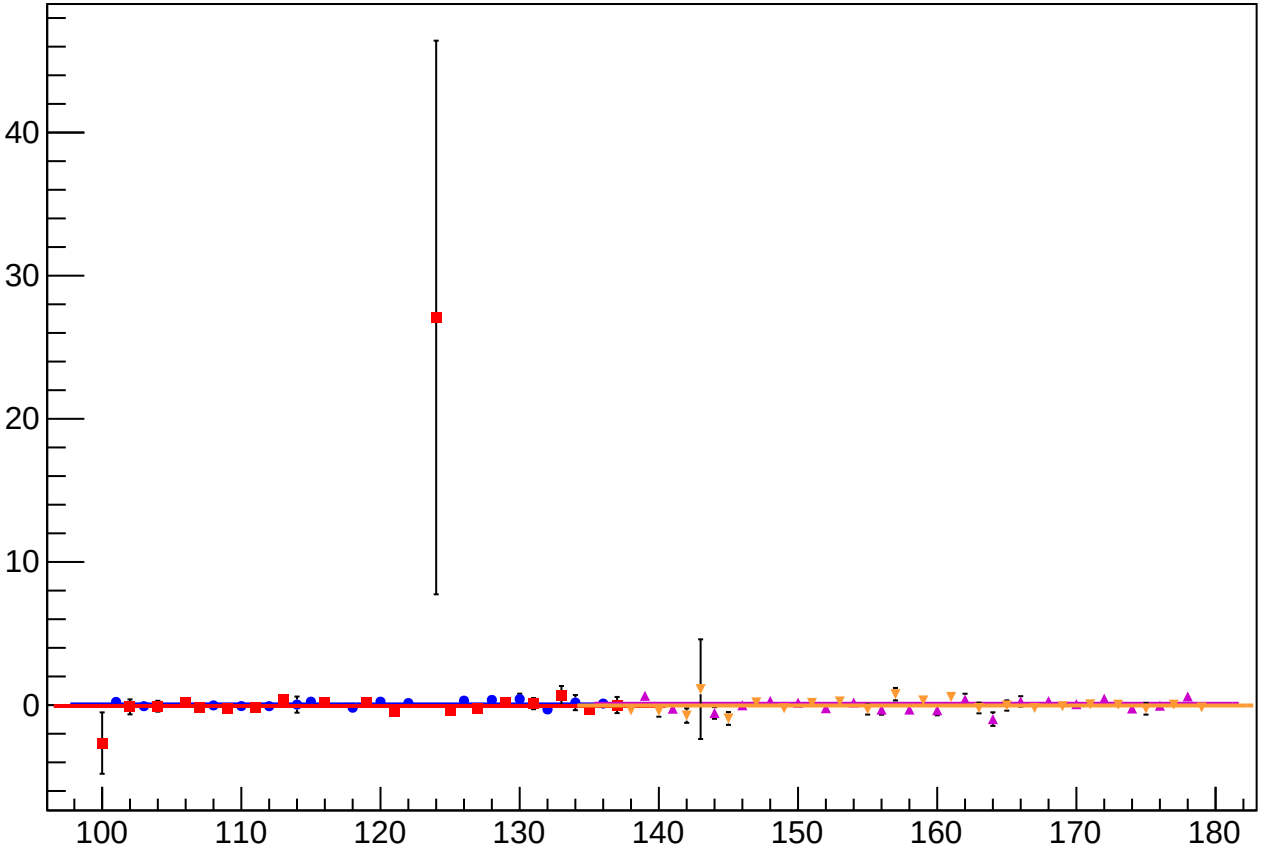
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:11500222.5/35

Out: 0.007+/-0.000 χ^2/NDF:11674851.4/40

All: 0.007+/-0.000 χ^2/NDF: 23253246.0/76

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.092+/-0.065 χ^2/NDF:30.1/19

Left: 0.031+/-0.045 χ^2/NDF: 51.9/41

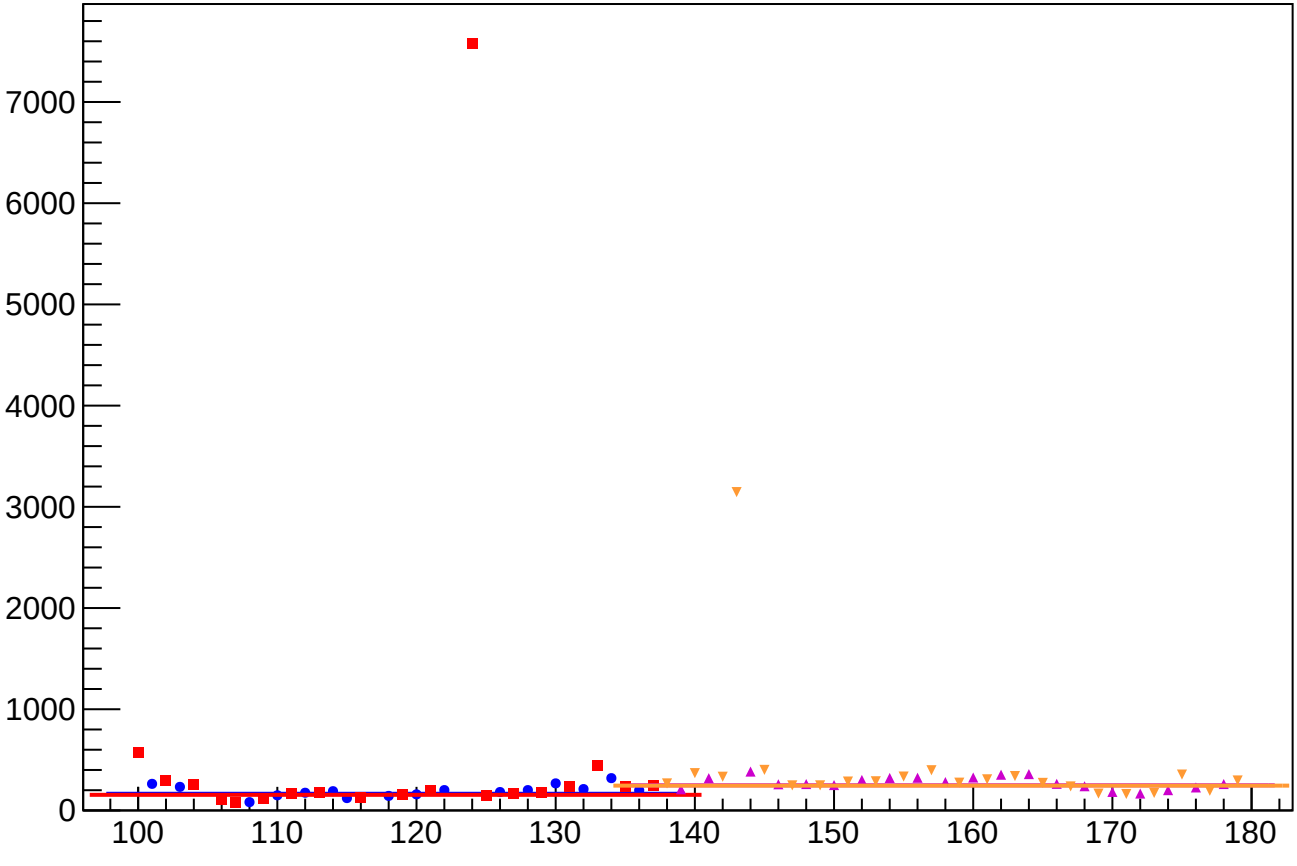
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.012+/-0.032 χ^2/NDF: 79.7/76

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 245.290+/-0.045 χ^2/NDF:3828644.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.514+/-0.046 χ^2/NDF:1638297.3/19

Left: 246.871+/-0.032 χ^2/NDF: 5469481.4/41

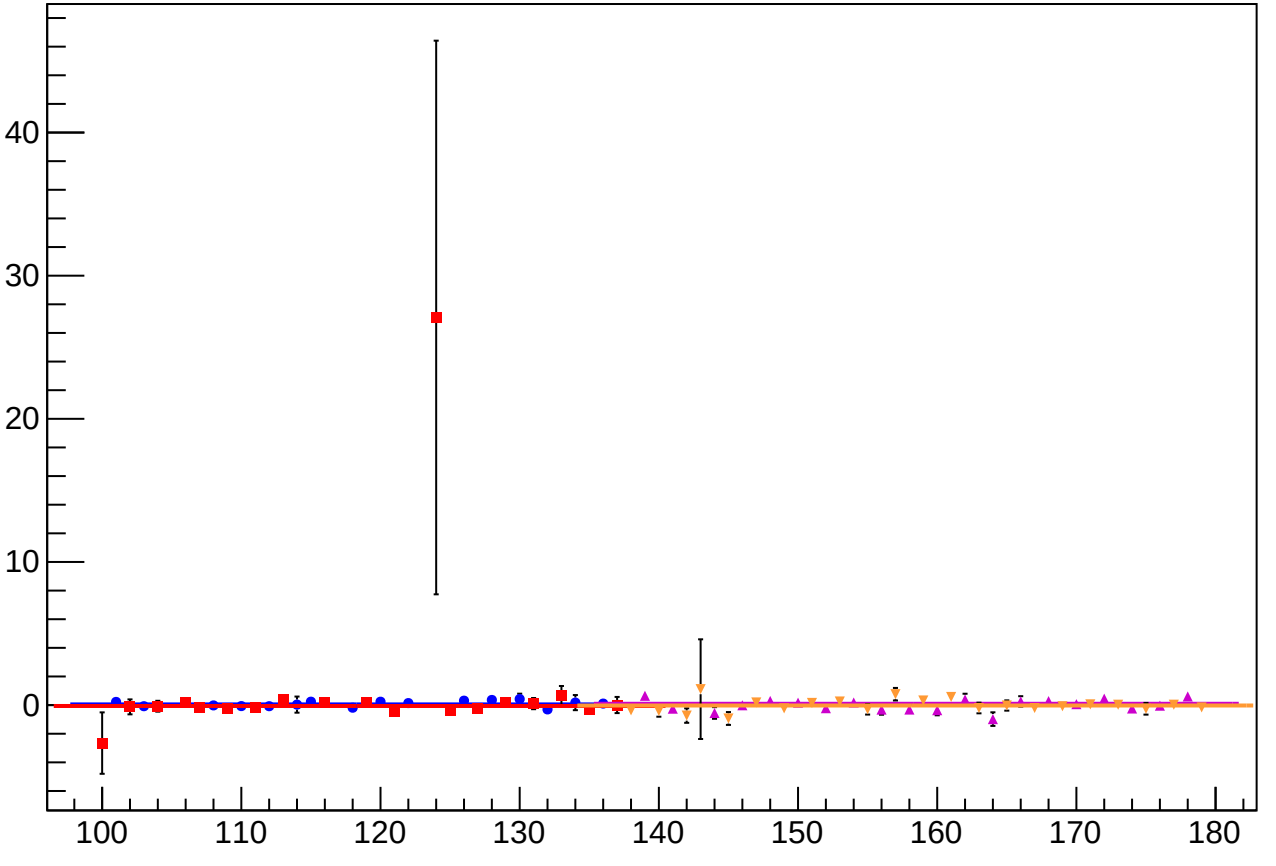
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 207.855+/-0.033 χ^2/NDF:4744096.4/35

Out: 200.594+/-0.032 χ^2/NDF:7775314.8/40

All: 204.134+/-0.023 χ^2/NDF: 12544615.9/76

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.028+/-0.063 χ^2/NDF:20.0/21

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.092+/-0.065 χ^2/NDF:30.1/19

Left: 0.031+/-0.045 χ^2/NDF: 51.9/41

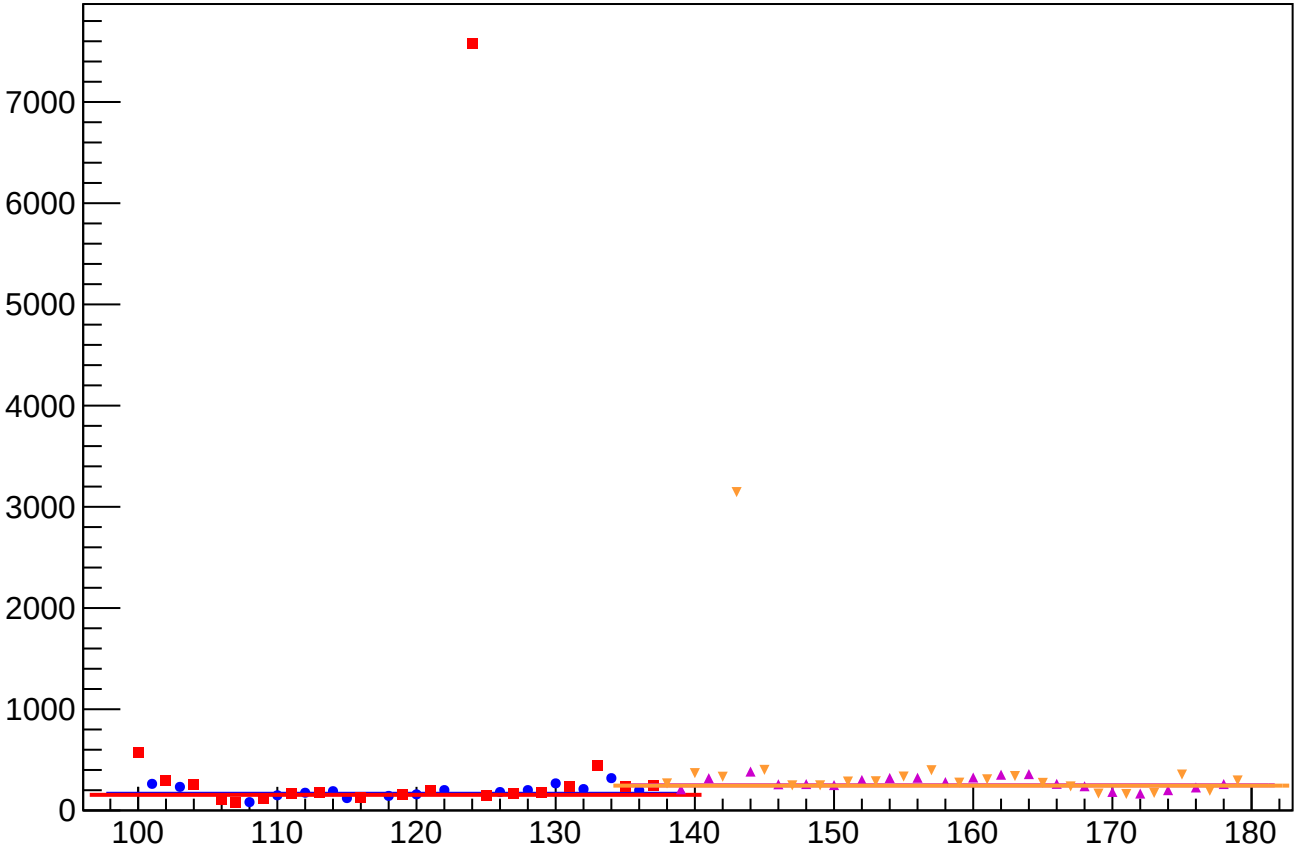
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.044+/-0.045 χ^2/NDF:38.6/40

All: 0.012+/-0.032 χ^2/NDF: 79.7/76

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 245.290+/-0.045 χ^2/NDF:3828644.4/21

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.514+/-0.046 χ^2/NDF:1638297.3/19

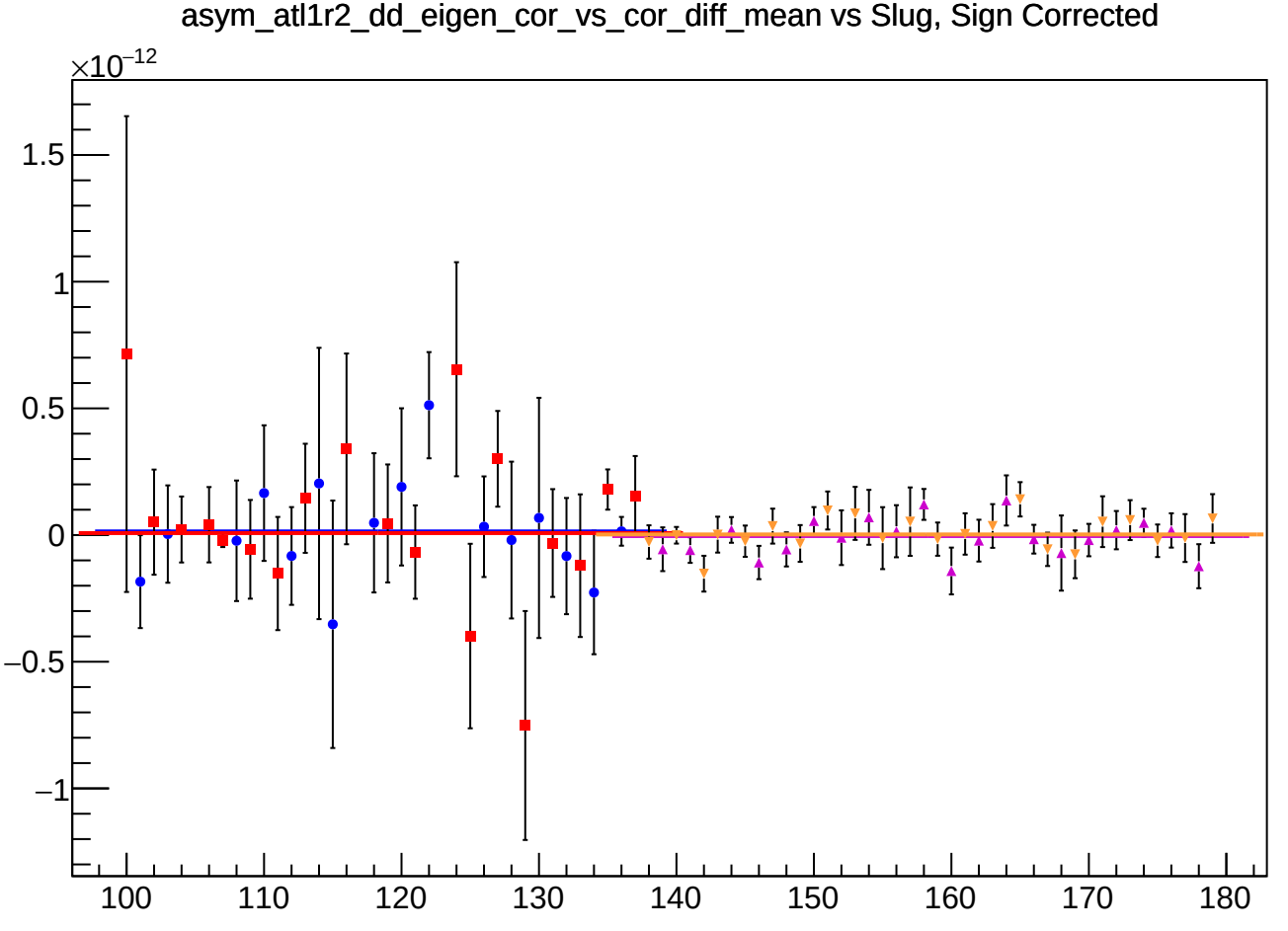
Left: 246.871+/-0.032 χ^2/NDF: 5469481.4/41

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 207.855+/-0.033 χ^2/NDF:4744096.4/35

Out: 200.594+/-0.032 χ^2/NDF:7775314.8/40

All: 204.134+/-0.023 χ^2/NDF: 12544615.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/19

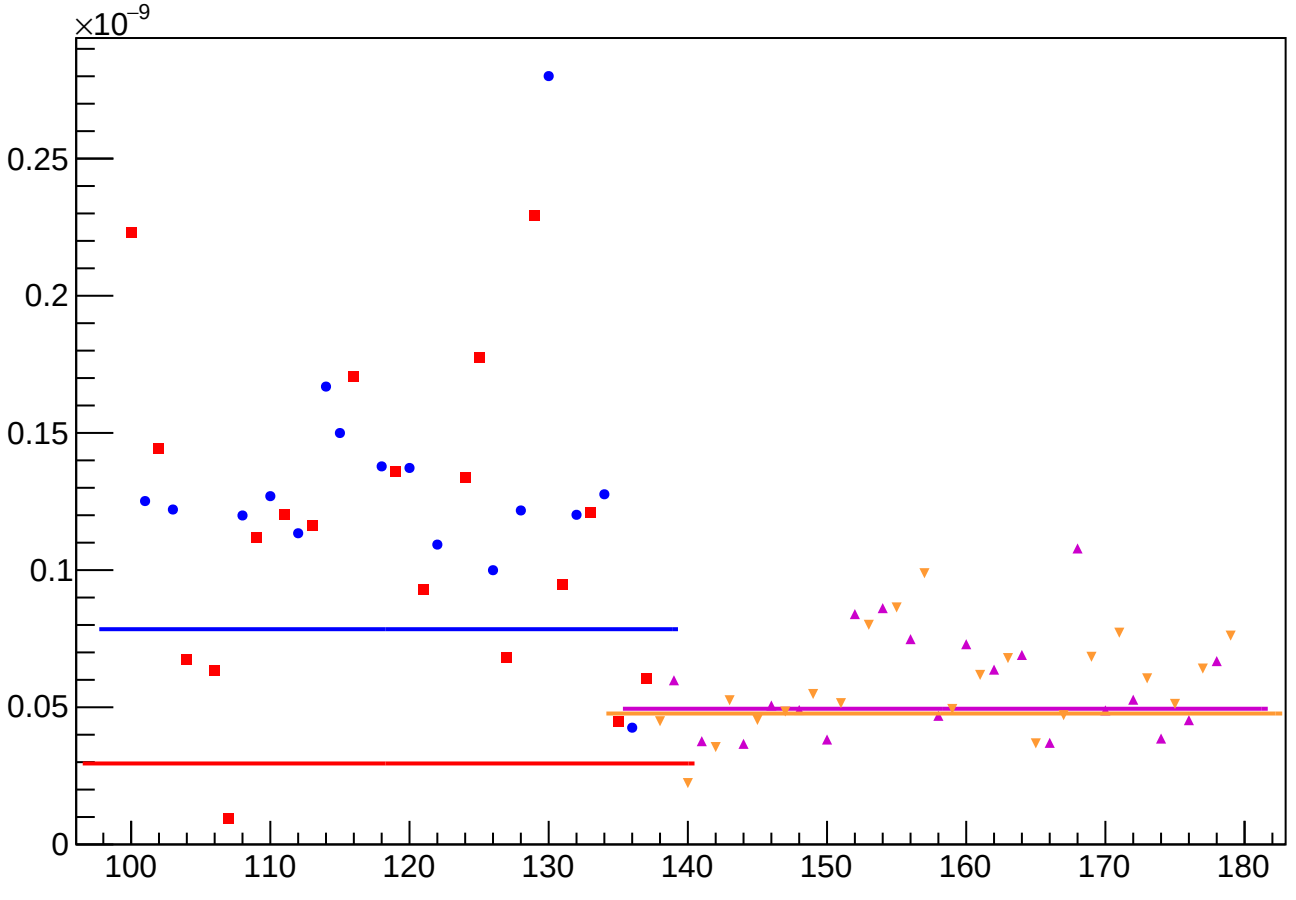
Left: -0.000+/-0.000 χ^2/NDF: 33.8/41

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:28.2/35

Out: 0.000+/-0.000 χ^2/NDF:33.7/40

All: 0.000+/-0.000 χ^2/NDF: 62.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2757398.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1750547.6/19

Left: 0.000+/-0.000 χ^2/NDF: 4520752.7/41

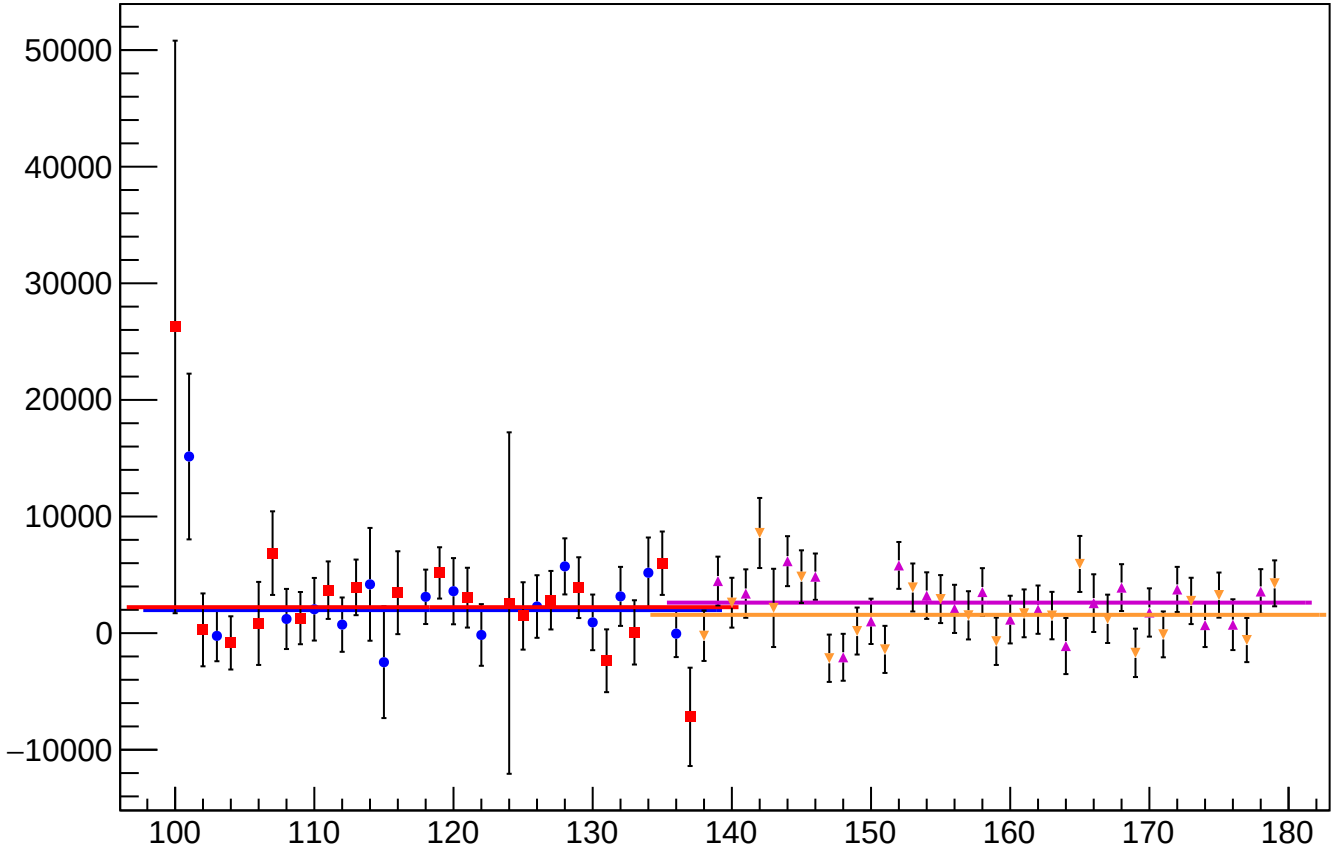
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4675667.6/35

Out: 0.000+/-0.000 χ^2/NDF:9125457.3/40

All: 0.000+/-0.000 χ^2/NDF: 14413477.2/76

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.893+/-449.653 χ^2/NDF:28.3/21

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2615.796+/-459.559 χ^2/NDF:19.9/19

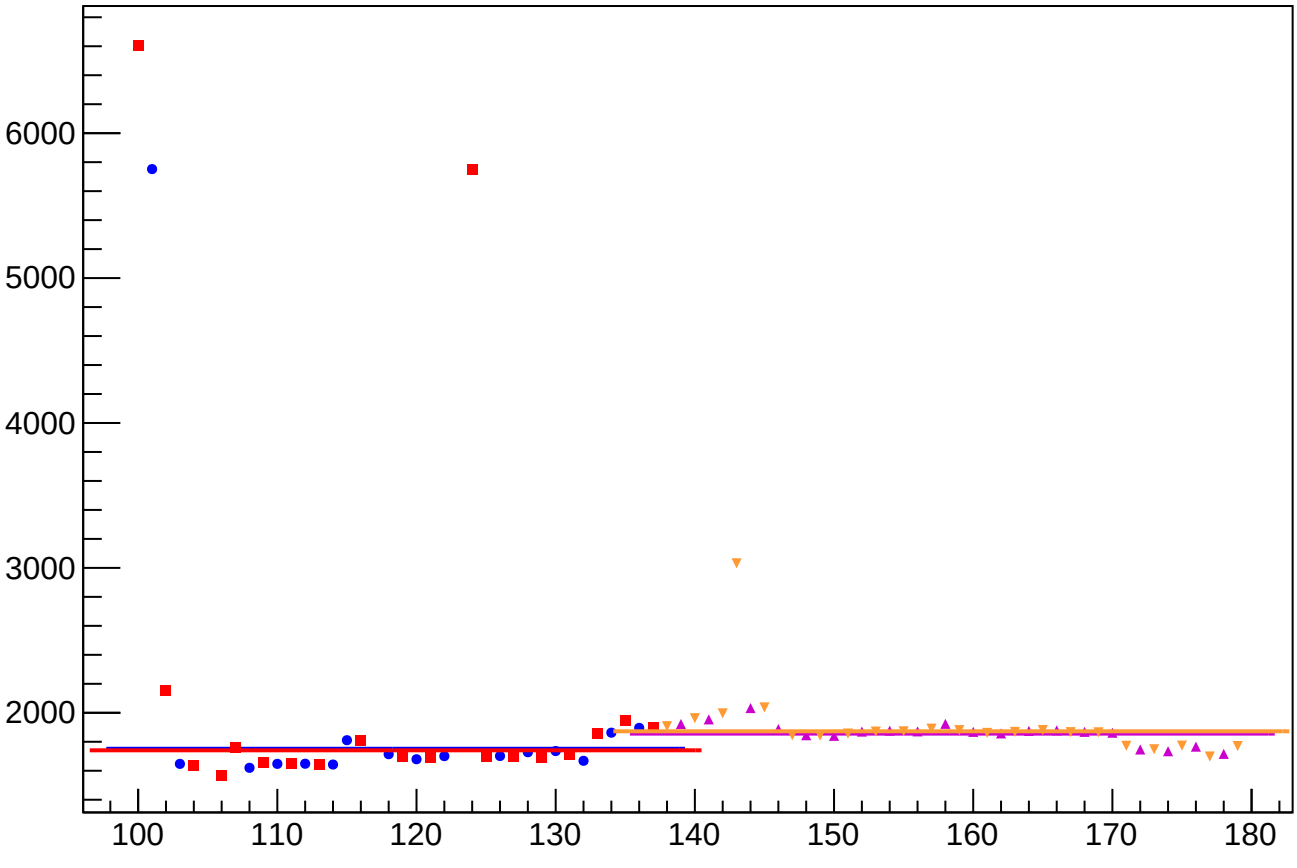
Left: 2081.450+/-321.398 χ^2/NDF: 50.8/41

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2410.237+/-378.561 χ^2/NDF:32.6/35

Out: 1779.550+/-370.940 χ^2/NDF:48.0/40

All: 2088.481+/-264.948 χ^2/NDF: 82.0/76



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.4/21

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

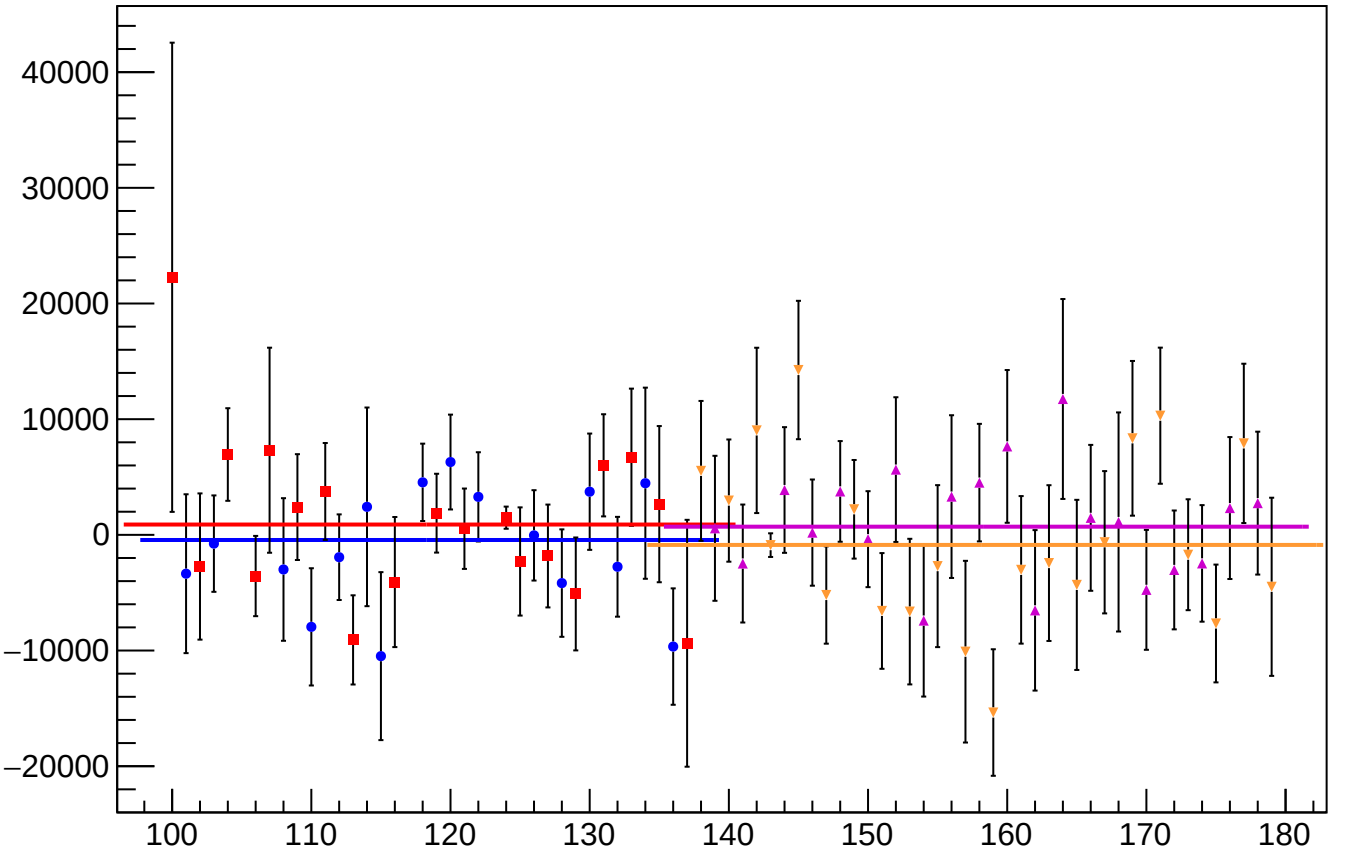
Left: 1864.496+/-0.227 χ^2/NDF: 352287.1/41

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1822.673+/-0.268 χ^2/NDF:756599.5/35

Out: 1829.953+/-0.262 χ^2/NDF:658137.6/40

All: 1826.396+/-0.187 χ^2/NDF: 1415115.4/76



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -870.573+/-796.317 χ^2/NDF:31.7/21

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 706.742+/-1265.372 χ^2/NDF:10.2/19

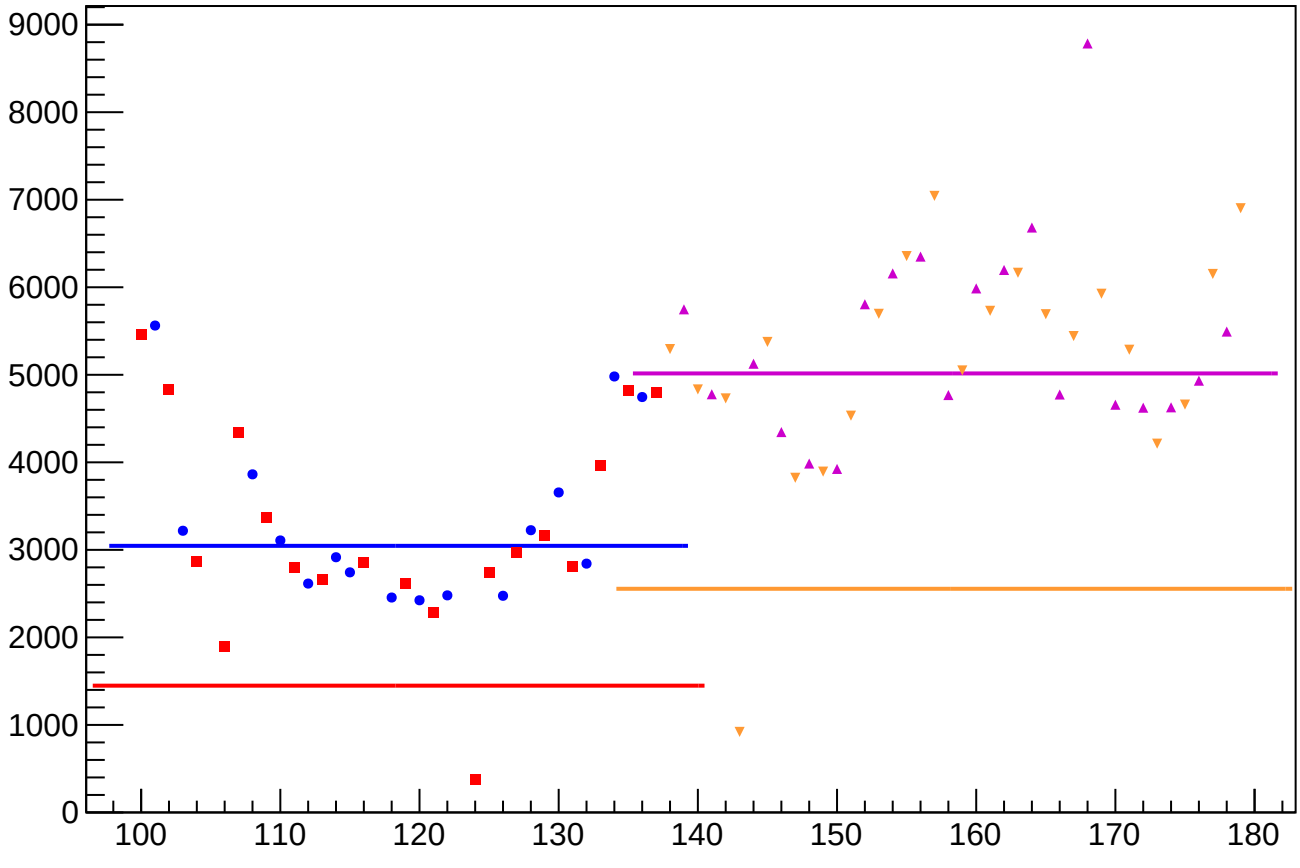
Left: -423.110+/-673.965 χ^2/NDF: 43.0/41

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 88.400+/-860.811 χ^2/NDF:26.6/35

Out: 92.401+/-536.394 χ^2/NDF:54.5/40

All: 91.282+/-455.244 χ^2/NDF: 81.0/76



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2555.257+/-0.563 χ^2/NDF:13953164.2/21

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5015.612+/-0.895 χ^2/NDF:1035388.3/19

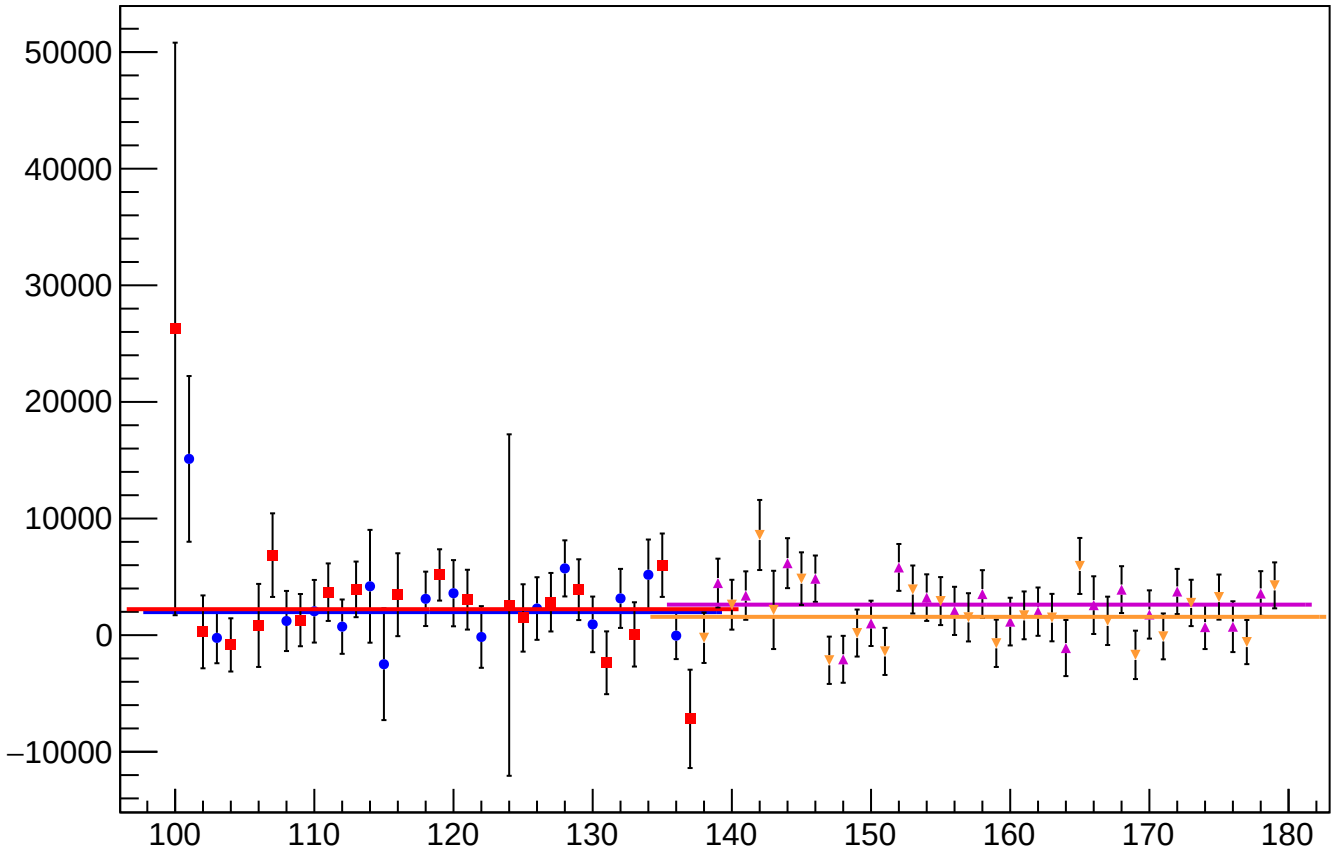
Left: 3253.227+/-0.477 χ^2/NDF: 20404727.7/41

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3957.463+/-0.609 χ^2/NDF:4546166.6/35

Out: 1950.677+/-0.379 χ^2/NDF:22850448.4/40

All: 2511.950+/-0.322 χ^2/NDF: 35226180.4/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2615.835+/-459.559 χ^2/NDF:19.9/19

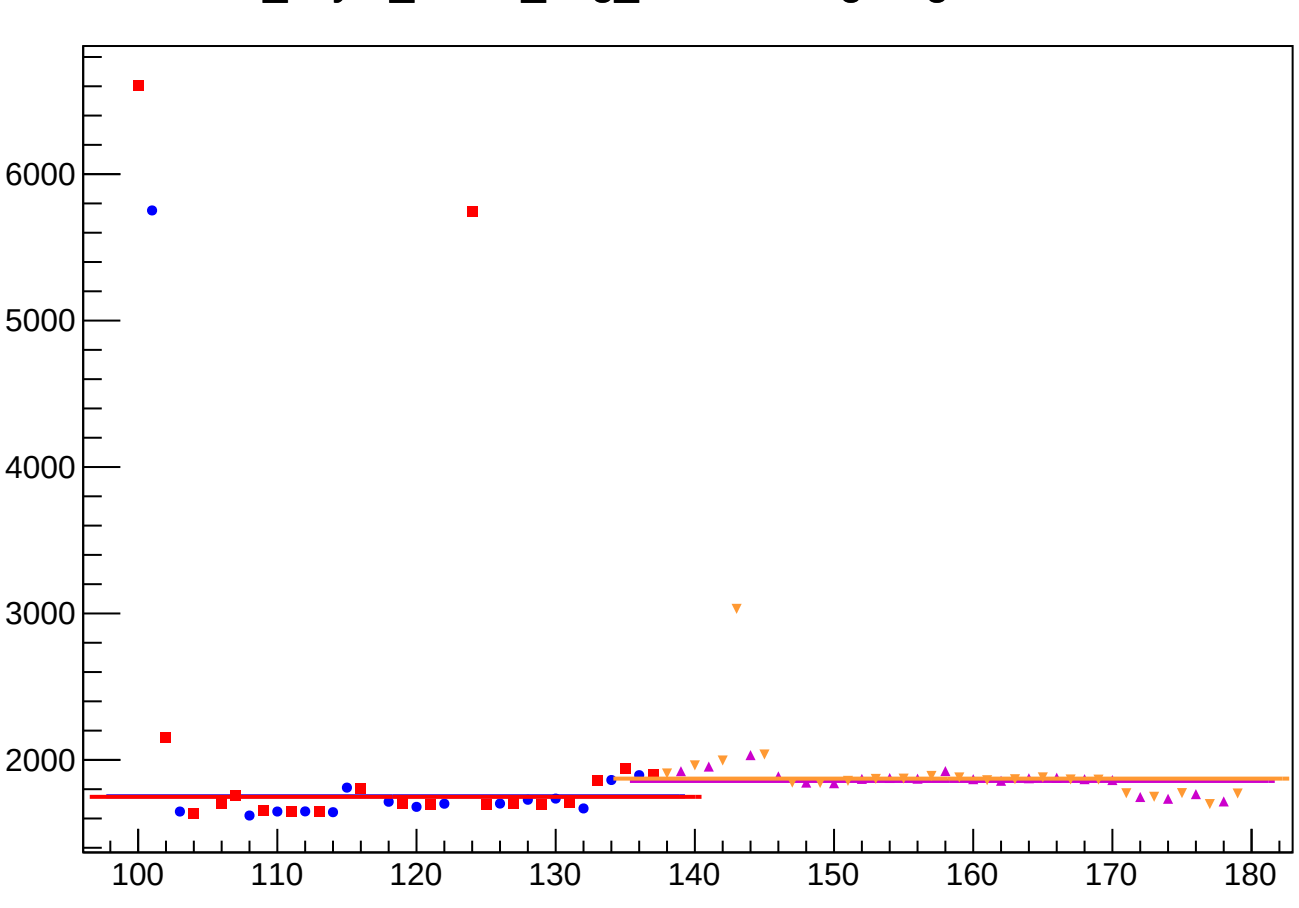
Left: 2081.454+/-321.398 χ^2/NDF: 50.8/41

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2410.150+/-378.561 χ^2/NDF:32.6/35

Out: 1779.559+/-370.940 χ^2/NDF:48.0/40

All: 2088.443+/-264.948 χ^2/NDF: 82.0/76



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.3/21

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

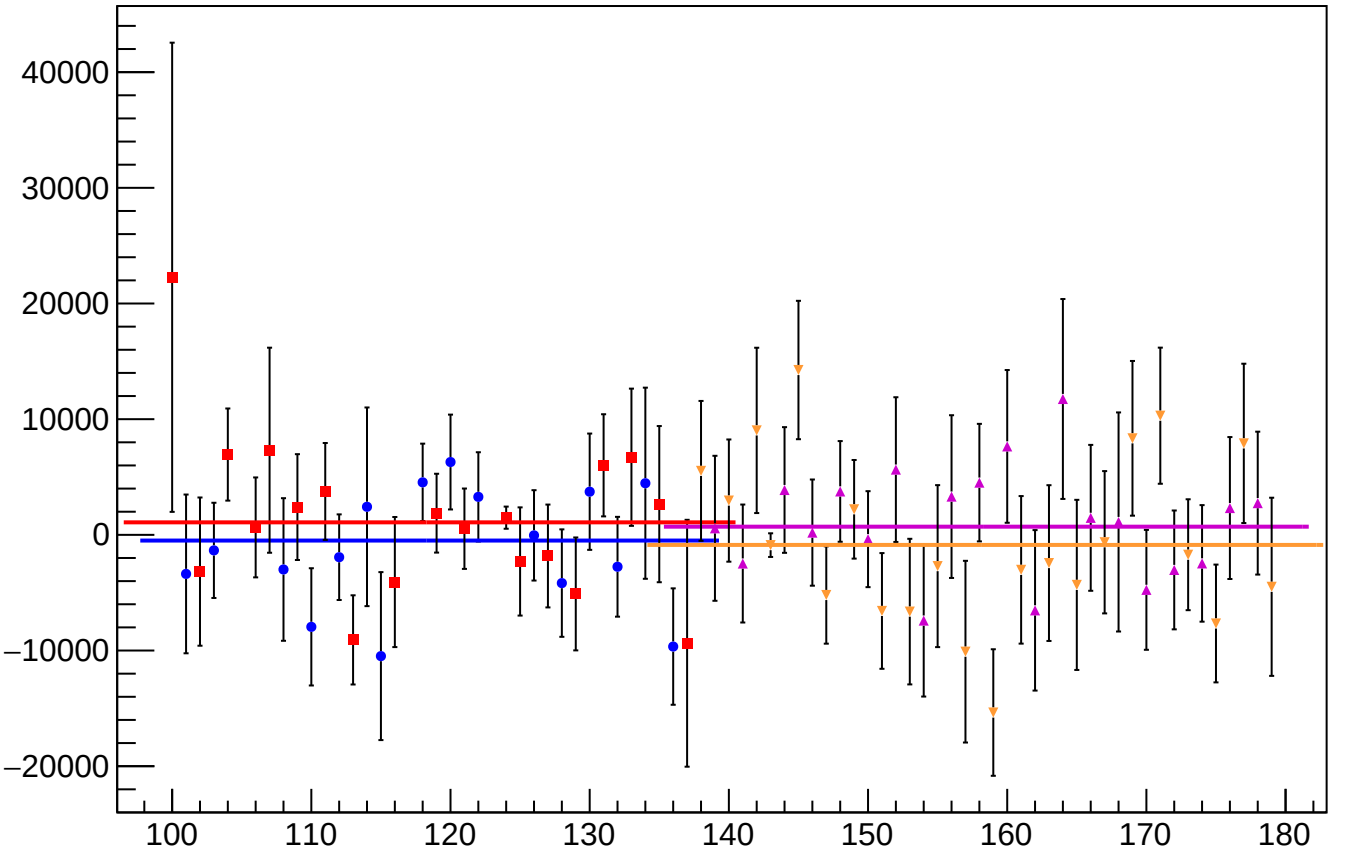
Left: 1864.496+/-0.227 χ^2/NDF: 352287.1/41

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1822.673+/-0.268 χ^2/NDF:756600.0/35

Out: 1832.324+/-0.262 χ^2/NDF:645659.3/40

All: 1827.602+/-0.187 χ^2/NDF: 1402923.1/76



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 706.829+/-1265.372 χ^2/NDF:10.2/19

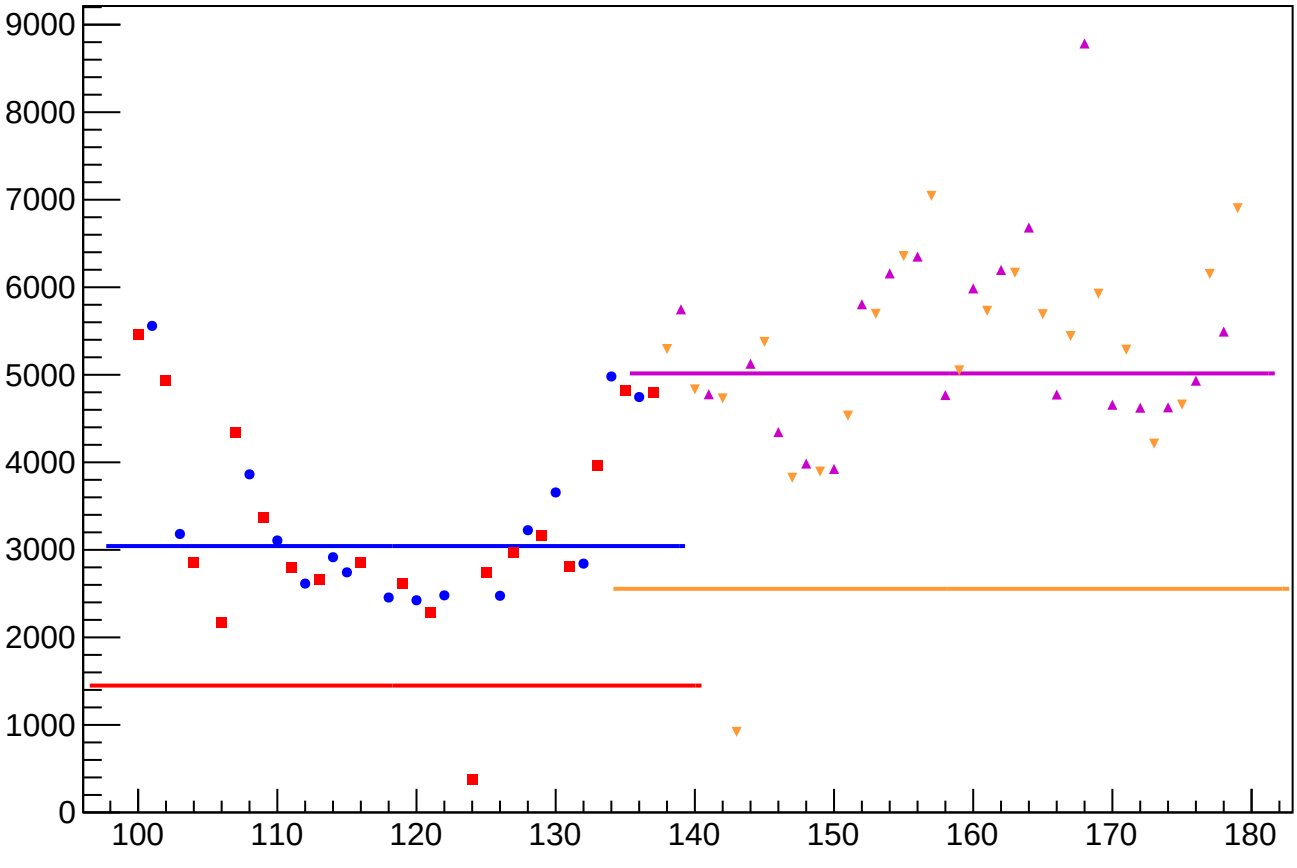
Left: -422.996+/-673.953 χ^2/NDF: 43.0/41

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 61.694+/-860.335 χ^2/NDF:26.7/35

Out: 187.917+/-538.685 χ^2/NDF:53.4/40

All: 152.369+/-456.571 χ^2/NDF: 80.1/76



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

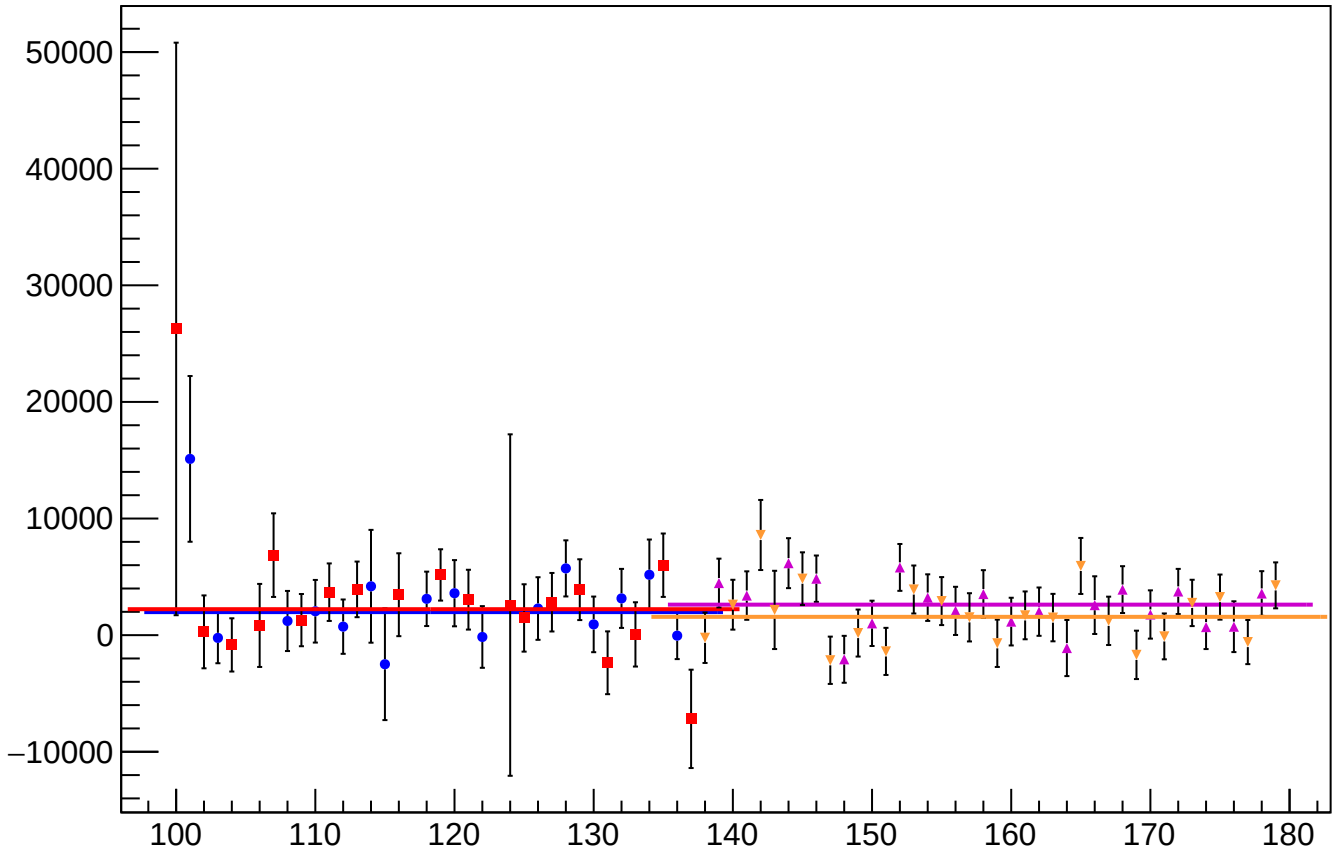
Left: 3253.127+/-0.477 χ^2/NDF: 20405924.1/41

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3955.031+/-0.608 χ^2/NDF:4553931.9/35

Out: 1955.494+/-0.381 χ^2/NDF:22870742.4/40

All: 2518.628+/-0.323 χ^2/NDF: 35185372.9/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1569.862+/-449.653 χ^2/NDF:28.3/21

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2615.835+/-459.559 χ^2/NDF:19.9/19

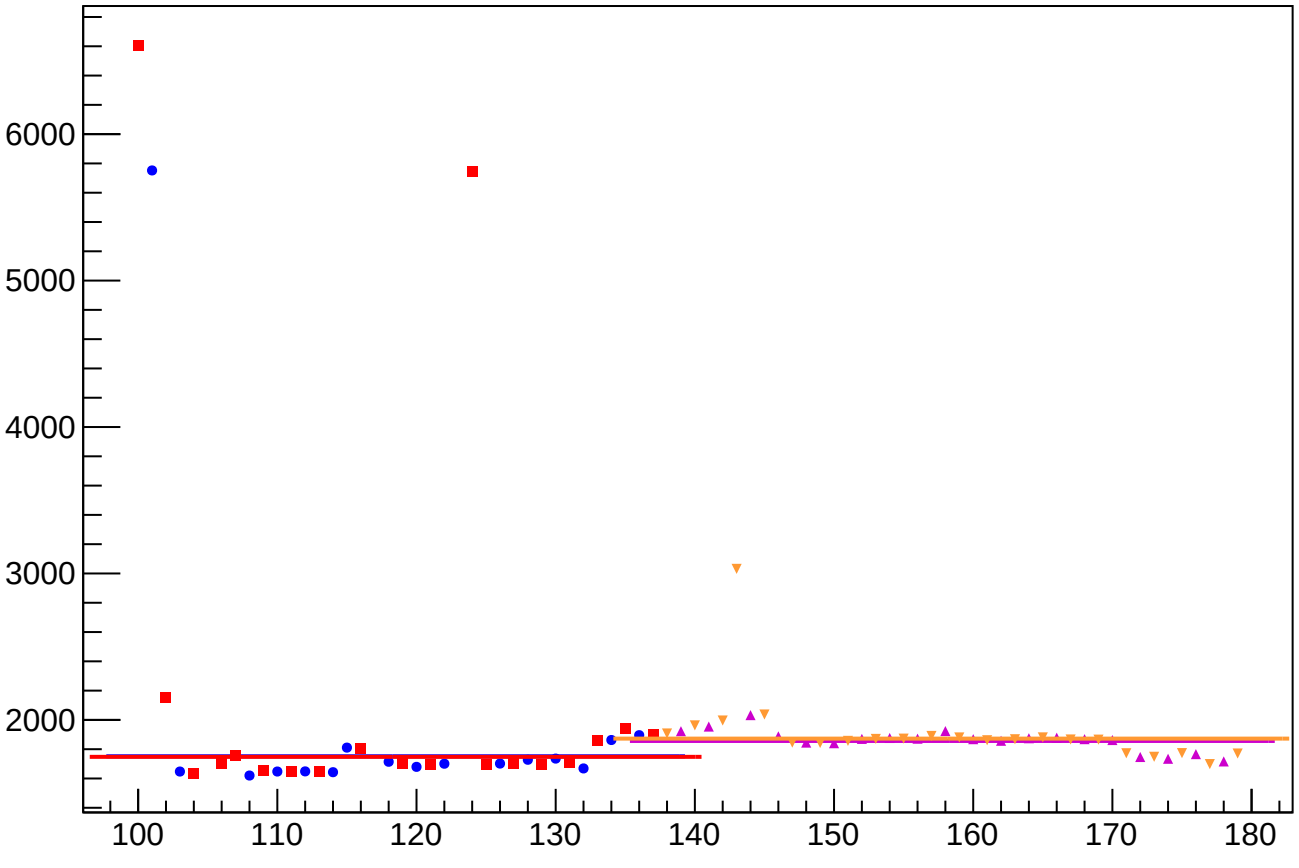
Left: 2081.454+/-321.398 χ^2/NDF: 50.8/41

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2410.150+/-378.561 χ^2/NDF:32.6/35

Out: 1779.559+/-370.940 χ^2/NDF:48.0/40

All: 2088.443+/-264.948 χ^2/NDF: 82.0/76



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1872.307+/-0.318 χ^2/NDF:298493.3/21

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1856.337+/-0.325 χ^2/NDF:52560.0/19

Left: 1864.496+/-0.227 χ^2/NDF: 352287.1/41

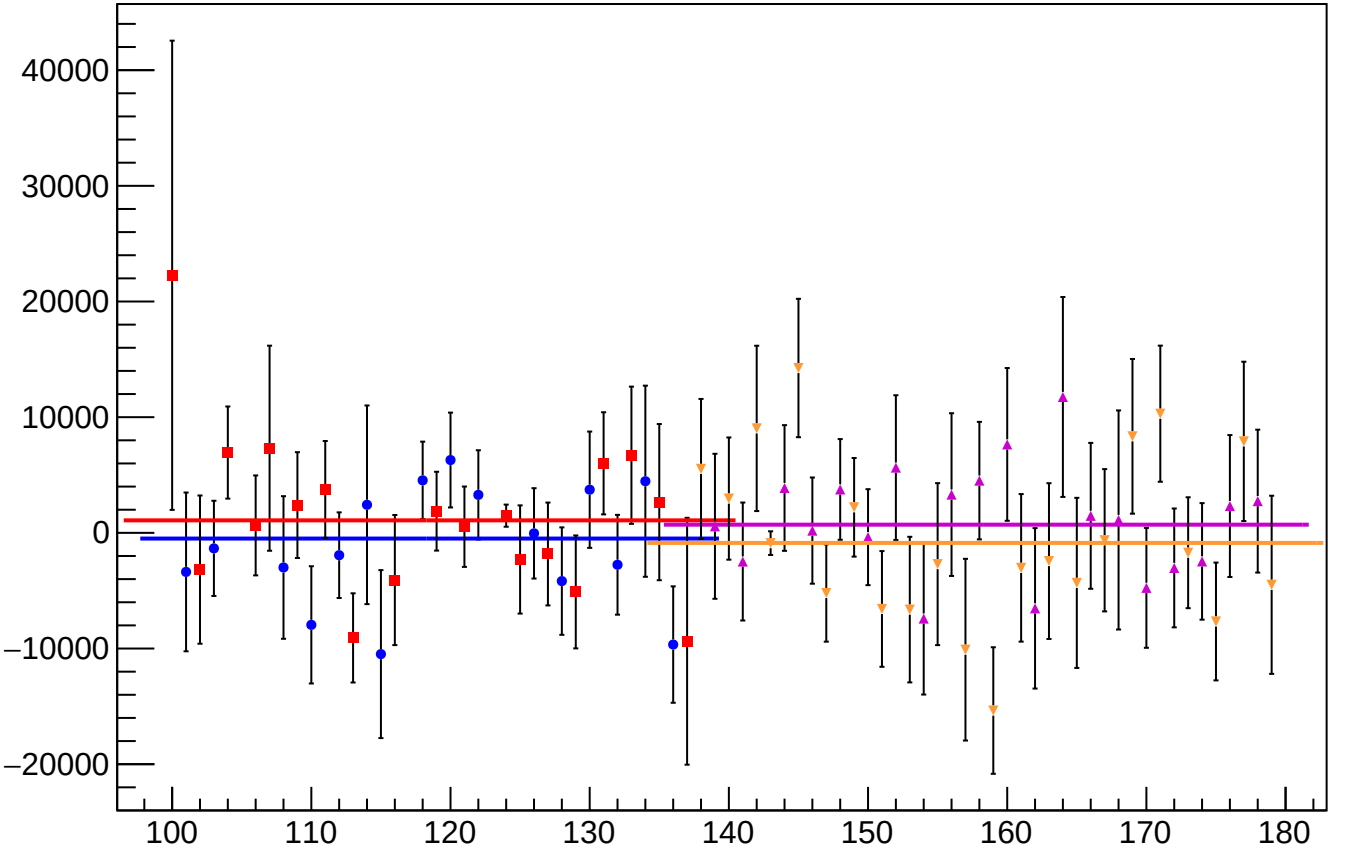
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1822.673+/-0.268 χ^2/NDF:756600.0/35

Out: 1832.324+/-0.262 χ^2/NDF:645659.3/40

All: 1827.602+/-0.187 χ^2/NDF: 1402923.1/76

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -870.426+/-796.297 χ^2/NDF:31.7/21

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 706.829+/-1265.372 χ^2/NDF:10.2/19

Left: -422.996+/-673.953 χ^2/NDF: 43.0/41

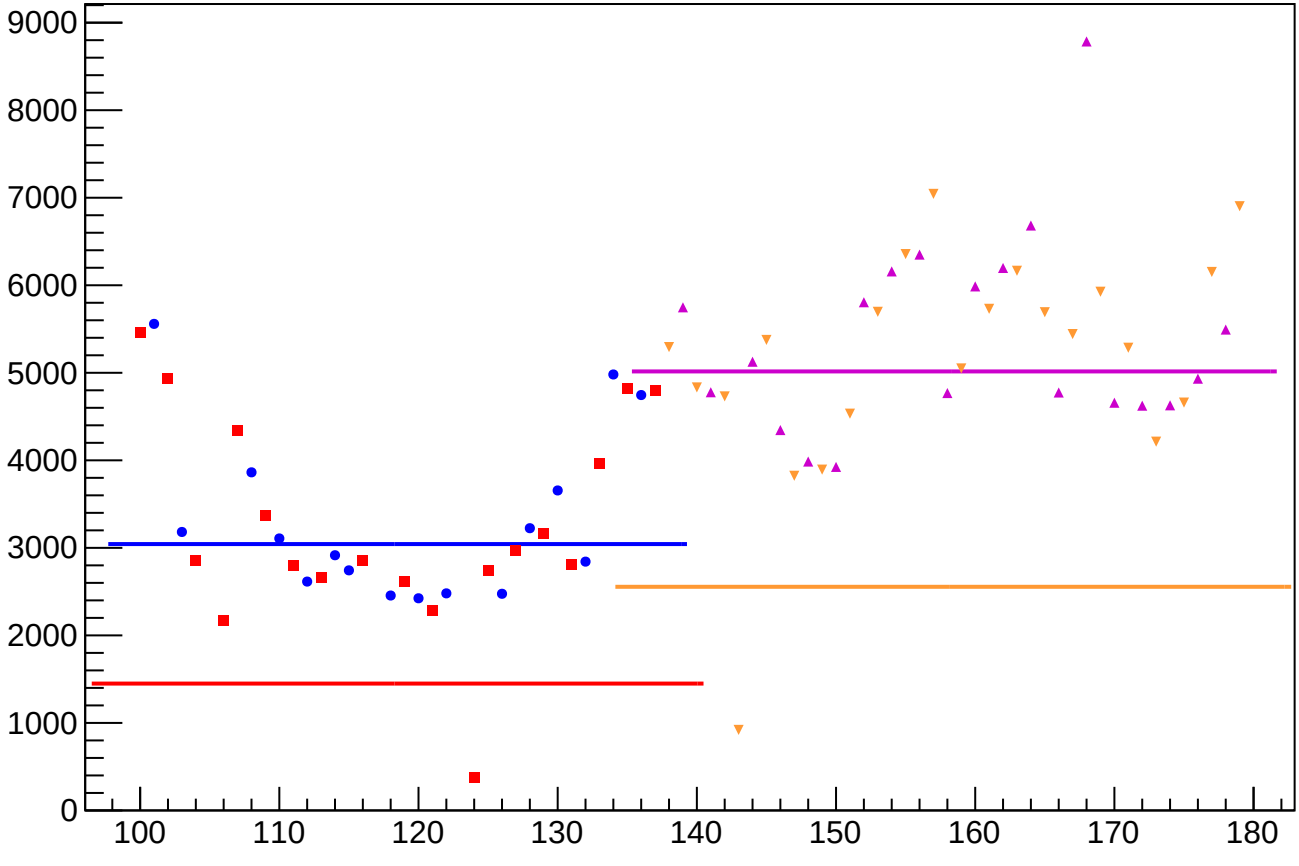
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 61.694+/-860.335 χ^2/NDF:26.7/35

Out: 187.917+/-538.685 χ^2/NDF:53.4/40

All: 152.369+/-456.571 χ^2/NDF: 80.1/76

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2555.152+/-0.563 χ^2/NDF:13953825.8/21

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

Left: 3253.127+/-0.477 χ^2/NDF: 20405924.1/41

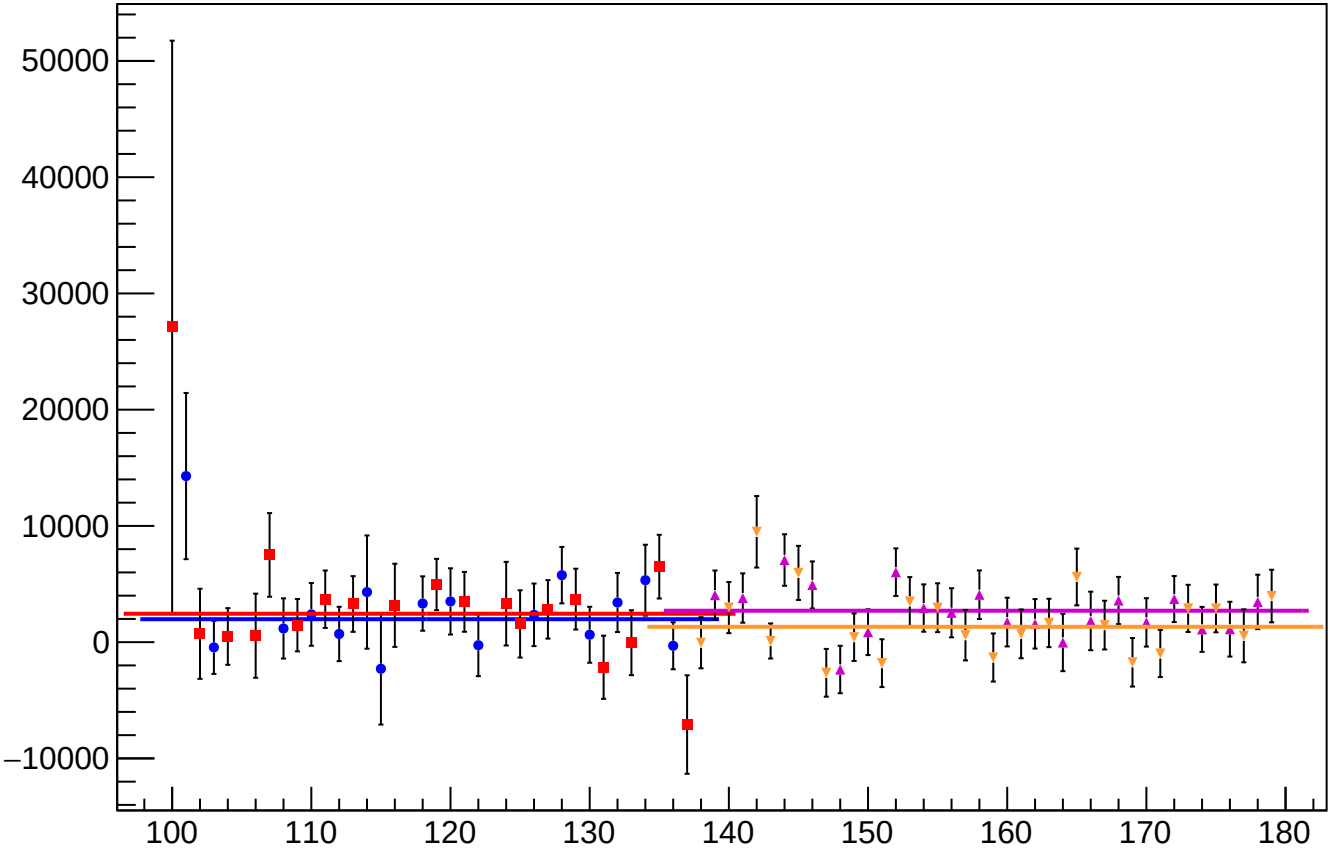
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3955.031+/-0.608 χ^2/NDF:4553931.9/35

Out: 1955.494+/-0.381 χ^2/NDF:22870742.4/40

All: 2518.628+/-0.323 χ^2/NDF: 35185372.9/7

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.770+/-449.524 χ^2/NDF:31.6/21

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2705.014+/-474.086 χ^2/NDF:19.6/19

Left: 1976.633+/-326.199 χ^2/NDF: 55.7/41

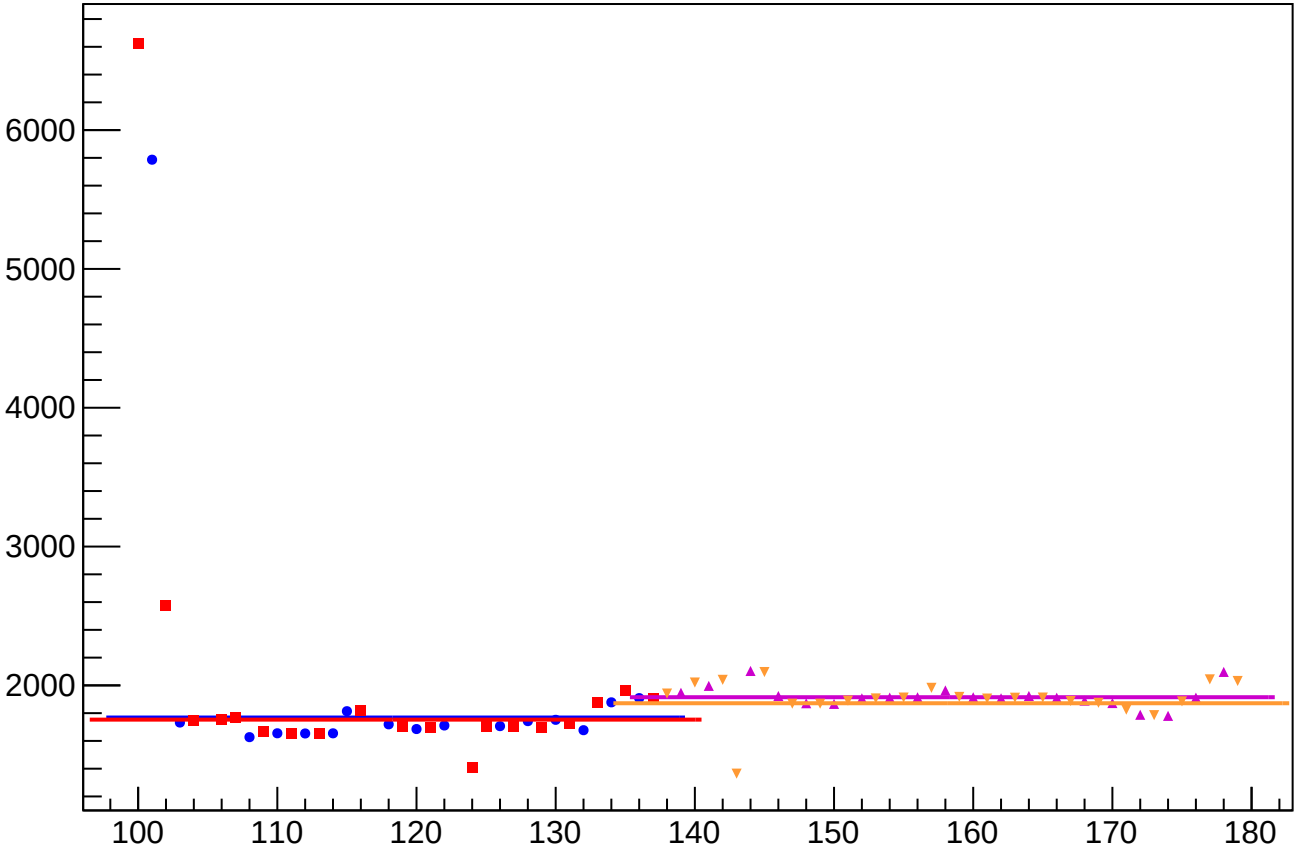
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2463.690+/-387.784 χ^2/NDF:32.8/35

Out: 1679.168+/-371.119 χ^2/NDF:51.0/40

All: 2054.210+/-268.119 χ^2/NDF: 86.0/76

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1871.396+/-0.318 χ^2/NDF:297254.3/21

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1914.844+/-0.335 χ^2/NDF:52276.6/19

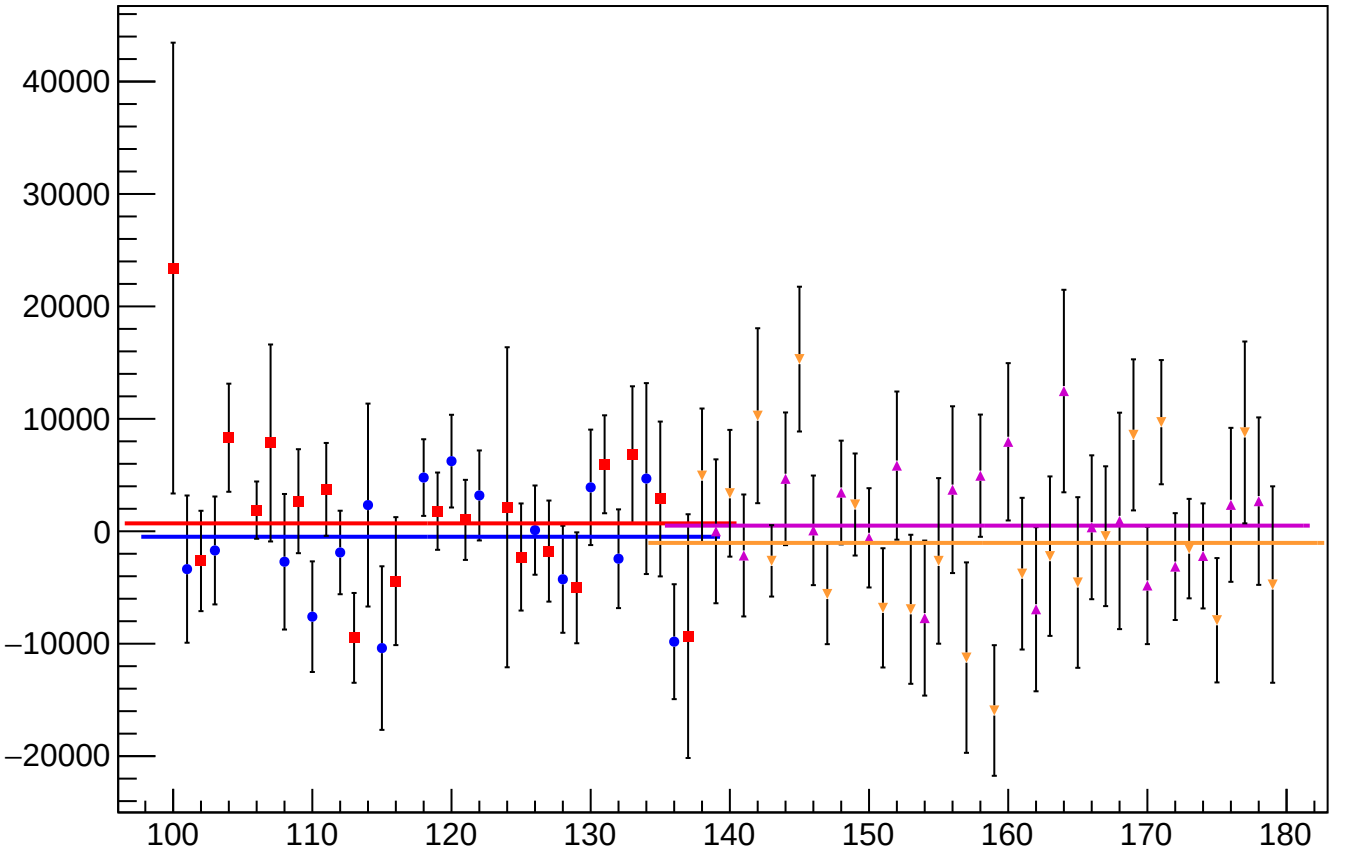
Left: 1891.966+/-0.231 χ^2/NDF: 358376.4/41

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1866.407+/-0.274 χ^2/NDF:782730.4/35

Out: 1833.682+/-0.262 χ^2/NDF:560169.3/40

All: 1849.312+/-0.190 χ^2/NDF: 1350339.6/76



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1034.262+/-1221.143 χ^2/NDF:31.6/21

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 502.129+/-1317.001 χ^2/NDF:10.2/19

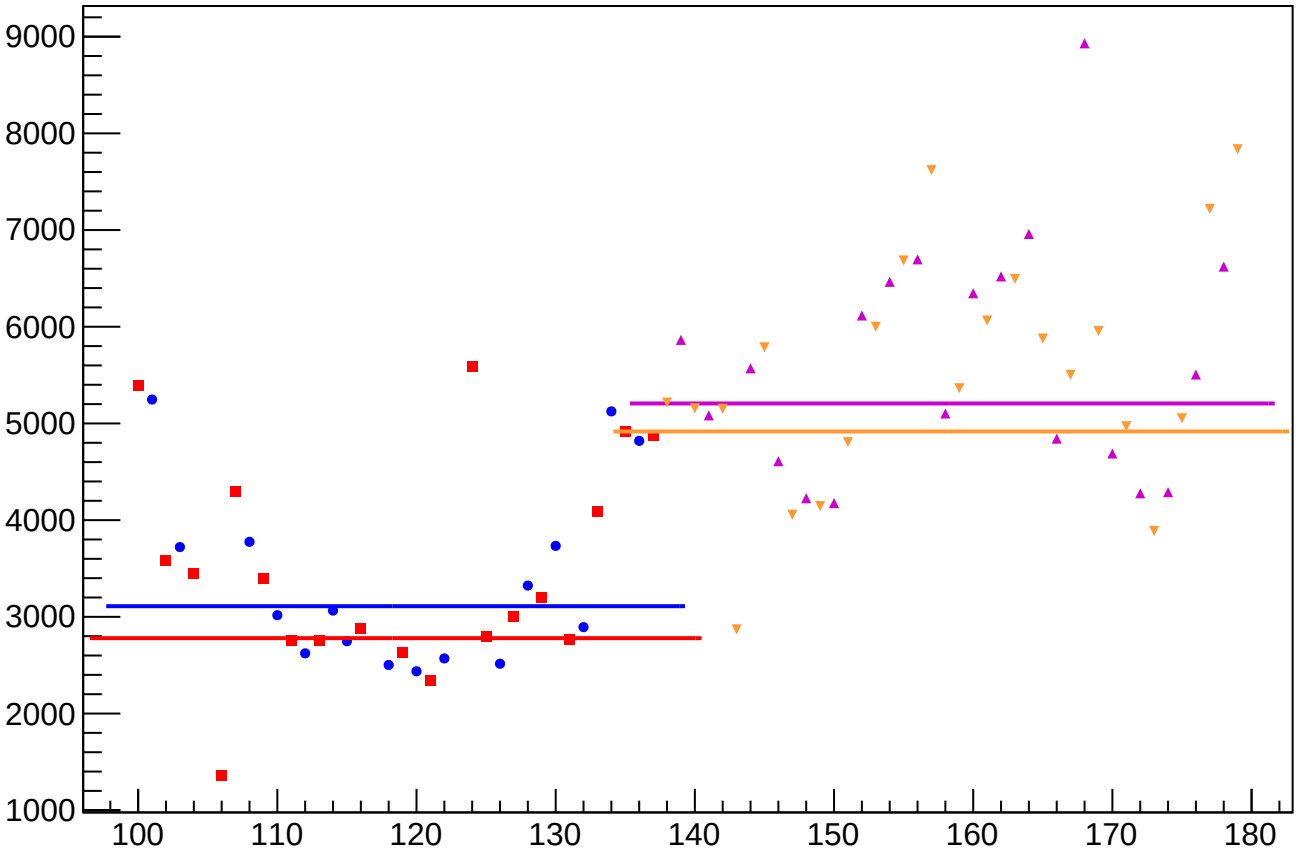
Left: -324.008+/-895.451 χ^2/NDF: 42.5/41

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -39.530+/-886.409 χ^2/NDF:26.3/35

Out: -50.915+/-804.540 χ^2/NDF:51.5/40

All: -45.772+/-595.742 χ^2/NDF: 77.8/76



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4916.854+/-0.863 χ^2/NDF:2144495.0/21

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5206.574+/-0.931 χ^2/NDF:1193858.2/19

Left: 5050.788+/-0.633 χ^2/NDF: 3390396.5/41

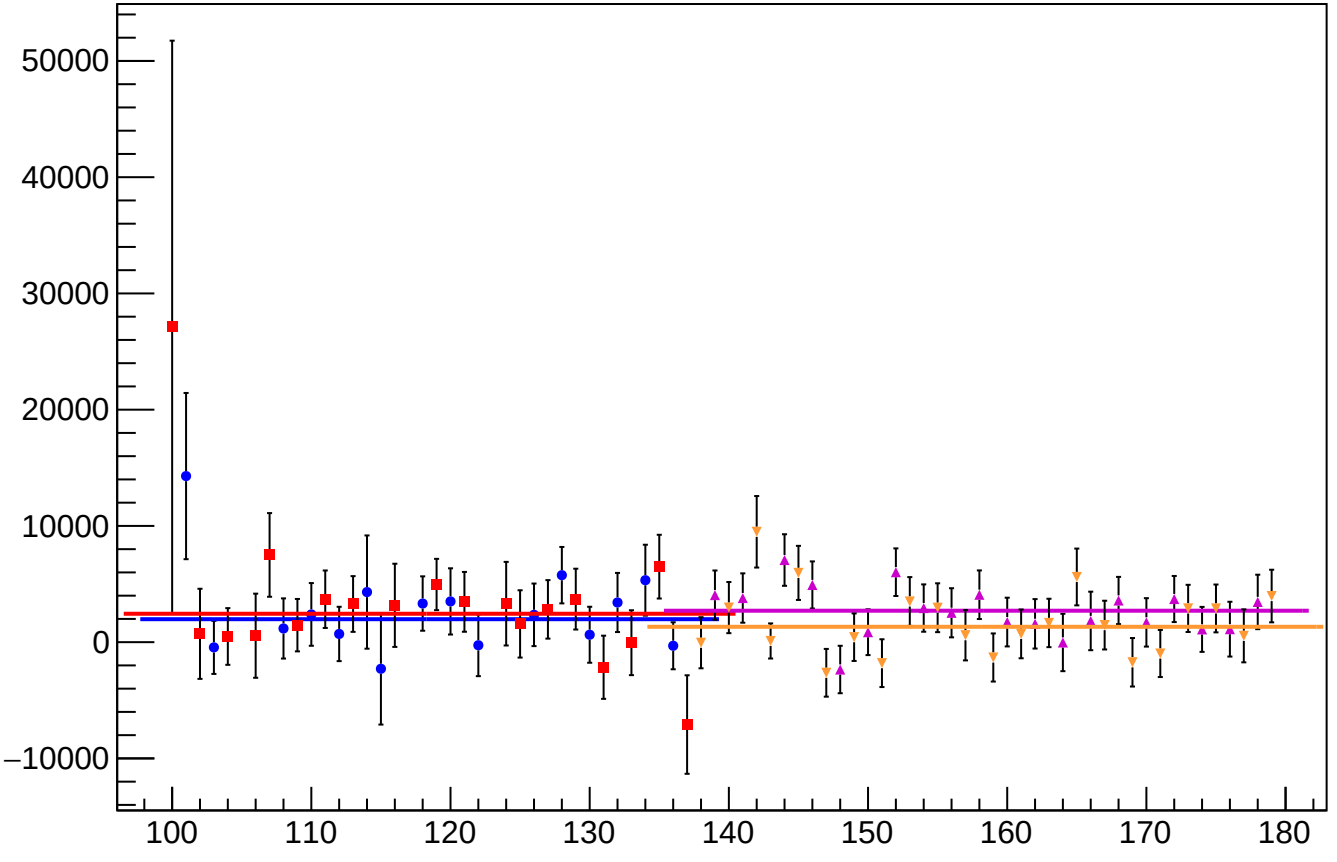
Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4059.817+/-0.627 χ^2/NDF:4849241.2/35

Out: 3707.341+/-0.569 χ^2/NDF:6959667.3/40

All: 3866.553+/-0.421 χ^2/NDF: 11982305.8/7

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1321.768+/-449.524 χ^2/NDF:31.6/21

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2705.014+/-474.086 χ^2/NDF:19.6/19

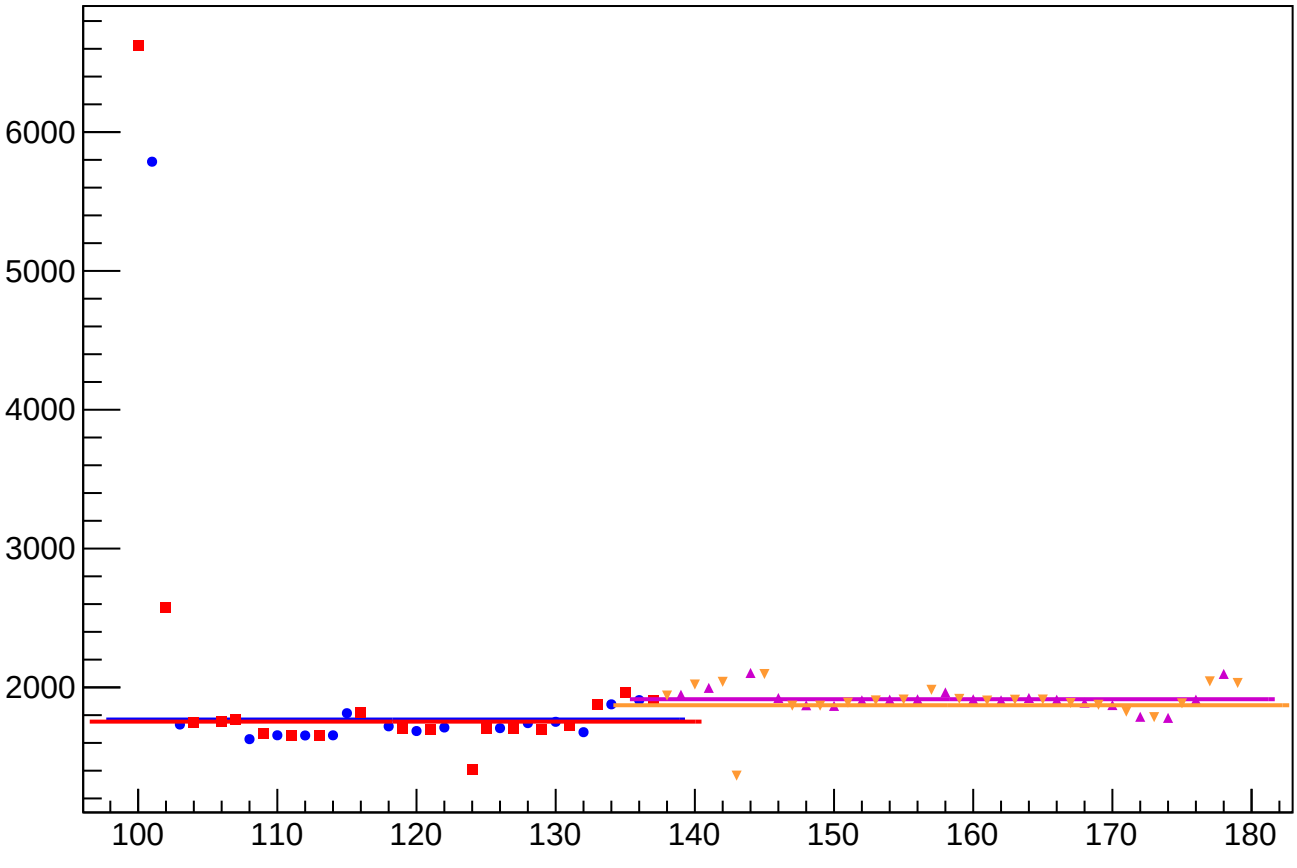
Left: 1976.632+/-326.199 χ^2/NDF: 55.7/41

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2463.690+/-387.784 χ^2/NDF:32.8/35

Out: 1679.167+/-371.119 χ^2/NDF:51.0/40

All: 2054.209+/-268.119 χ^2/NDF: 86.0/76



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1871.397+/-0.318 χ^2/NDF:297257.8/21

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1914.845+/-0.335 χ^2/NDF:52278.7/19

Left: 1891.966+/-0.231 χ^2/NDF: 358382.0/41

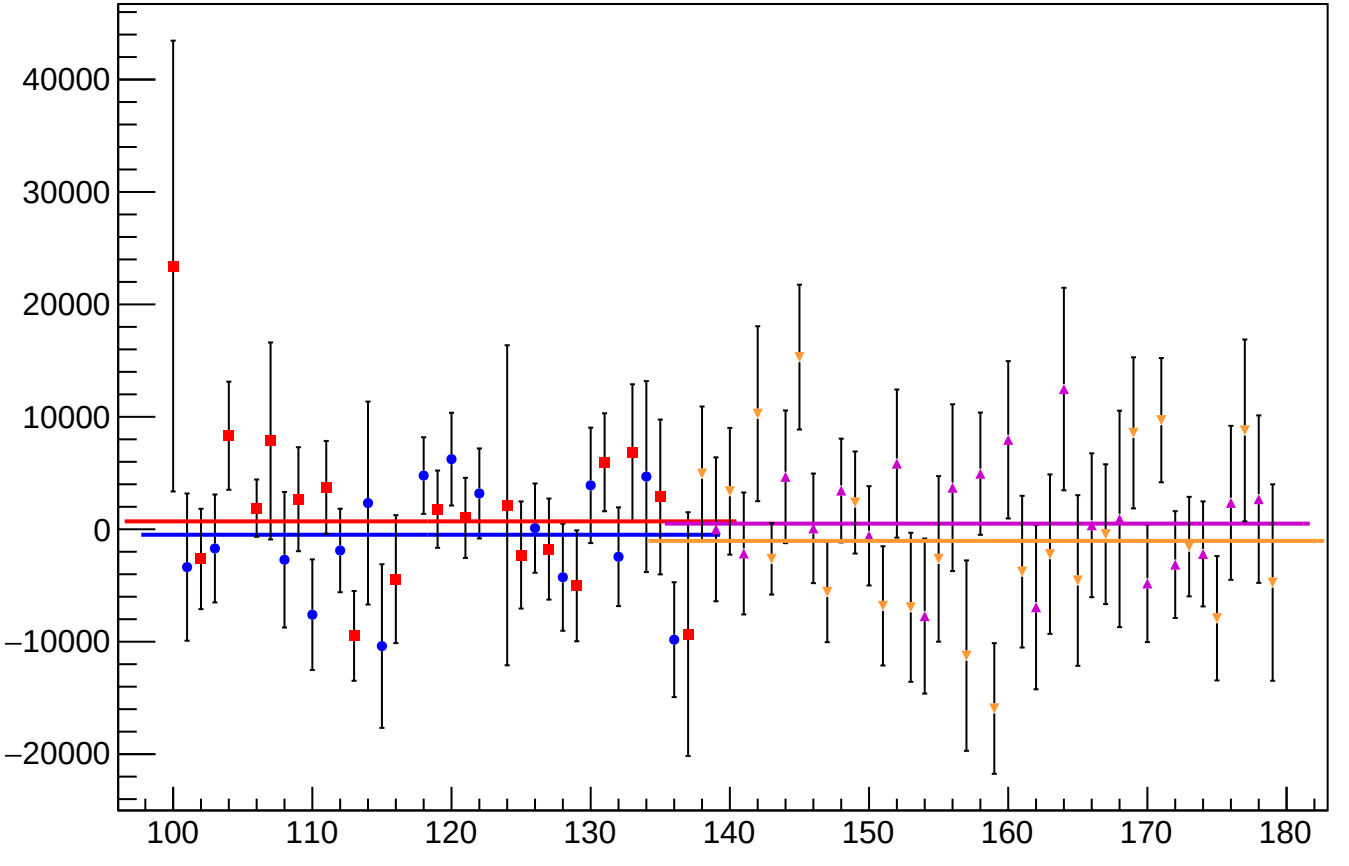
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1866.407+/-0.274 χ^2/NDF:782733.3/35

Out: 1833.683+/-0.262 χ^2/NDF:560173.7/40

All: 1849.313+/-0.190 χ^2/NDF: 1350346.8/76

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1034.267+/-1221.145 χ^2/NDF:31.6/21

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 502.130+/-1317.003 χ^2/NDF:10.2/19

Left: -324.011+/-895.452 χ^2/NDF: 42.5/41

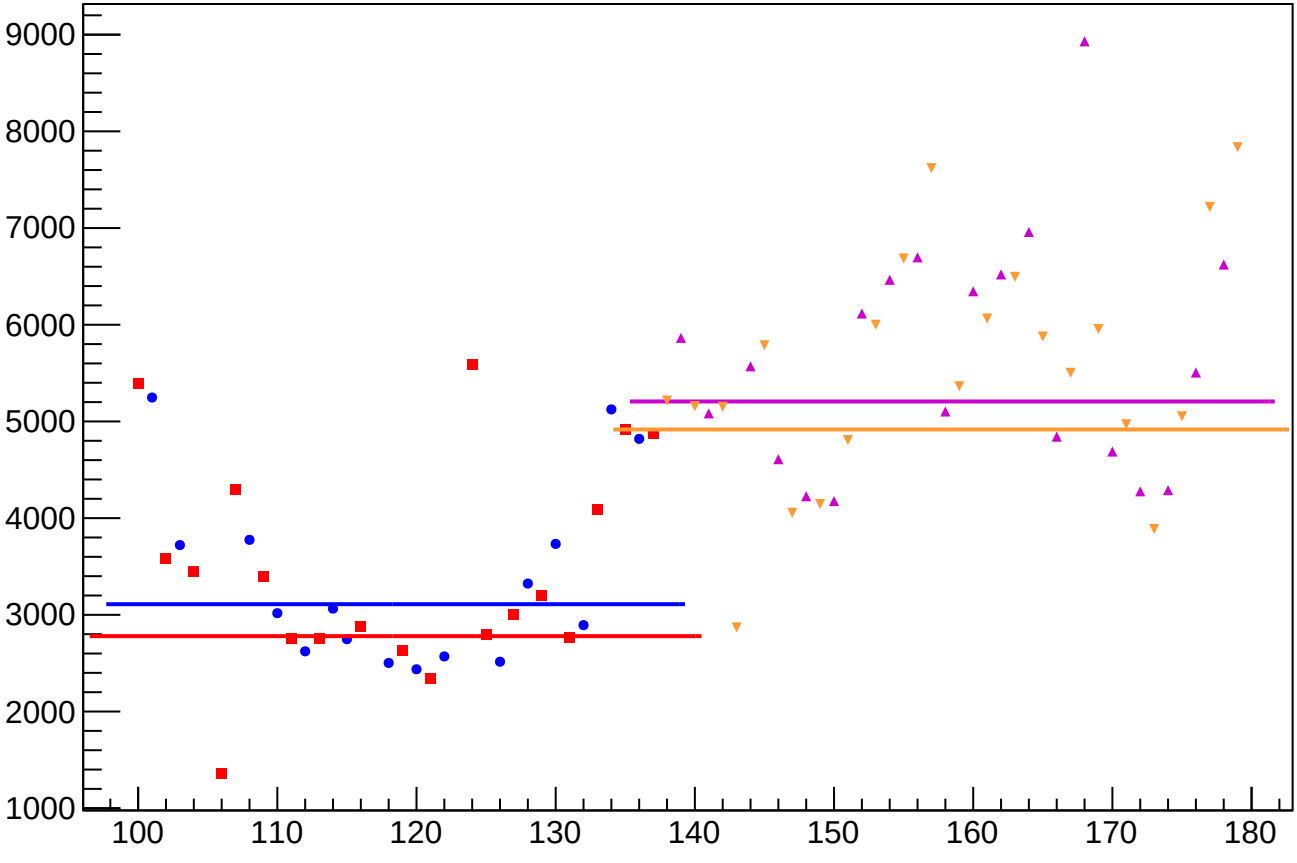
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -39.529+/-886.408 χ^2/NDF:26.3/35

Out: -50.912+/-804.539 χ^2/NDF:51.5/40

All: -45.770+/-595.741 χ^2/NDF: 77.8/76

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4916.861+/-0.863 χ^2/NDF:2144502.3/21

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5206.582+/-0.931 χ^2/NDF:1193859.7/19

Left: 5050.795+/-0.633 χ^2/NDF: 3390405.7/41

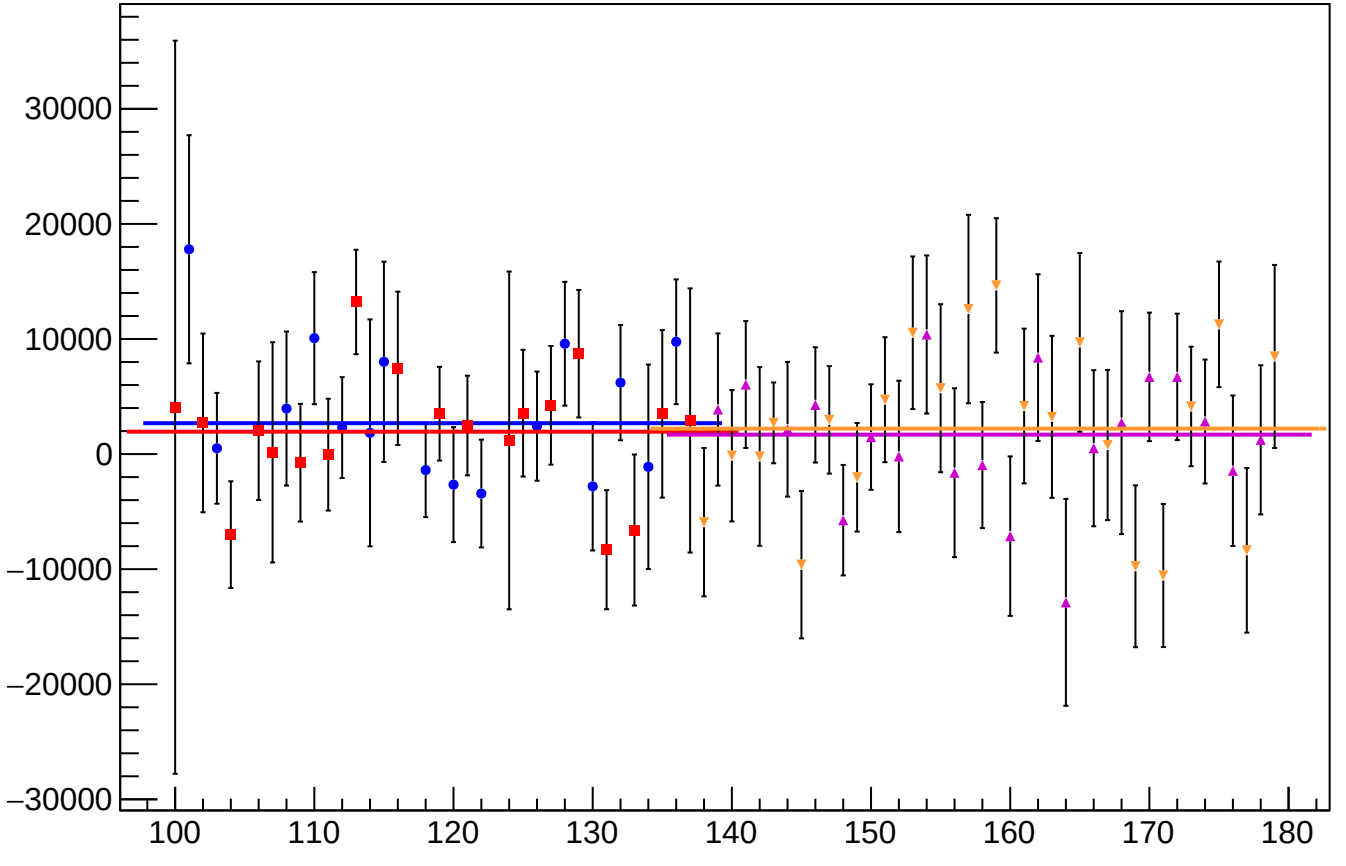
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4059.810+/-0.627 χ^2/NDF:4849306.1/35

Out: 3707.331+/-0.569 χ^2/NDF:6959762.6/40

All: 3866.544+/-0.421 χ^2/NDF: 11982469.0/7

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2213.128+/-1268.279 χ^2/NDF:28.2/21

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1687.758+/-1356.508 χ^2/NDF:12.6/19

Left: 1968.083+/-926.431 χ^2/NDF: 40.9/41

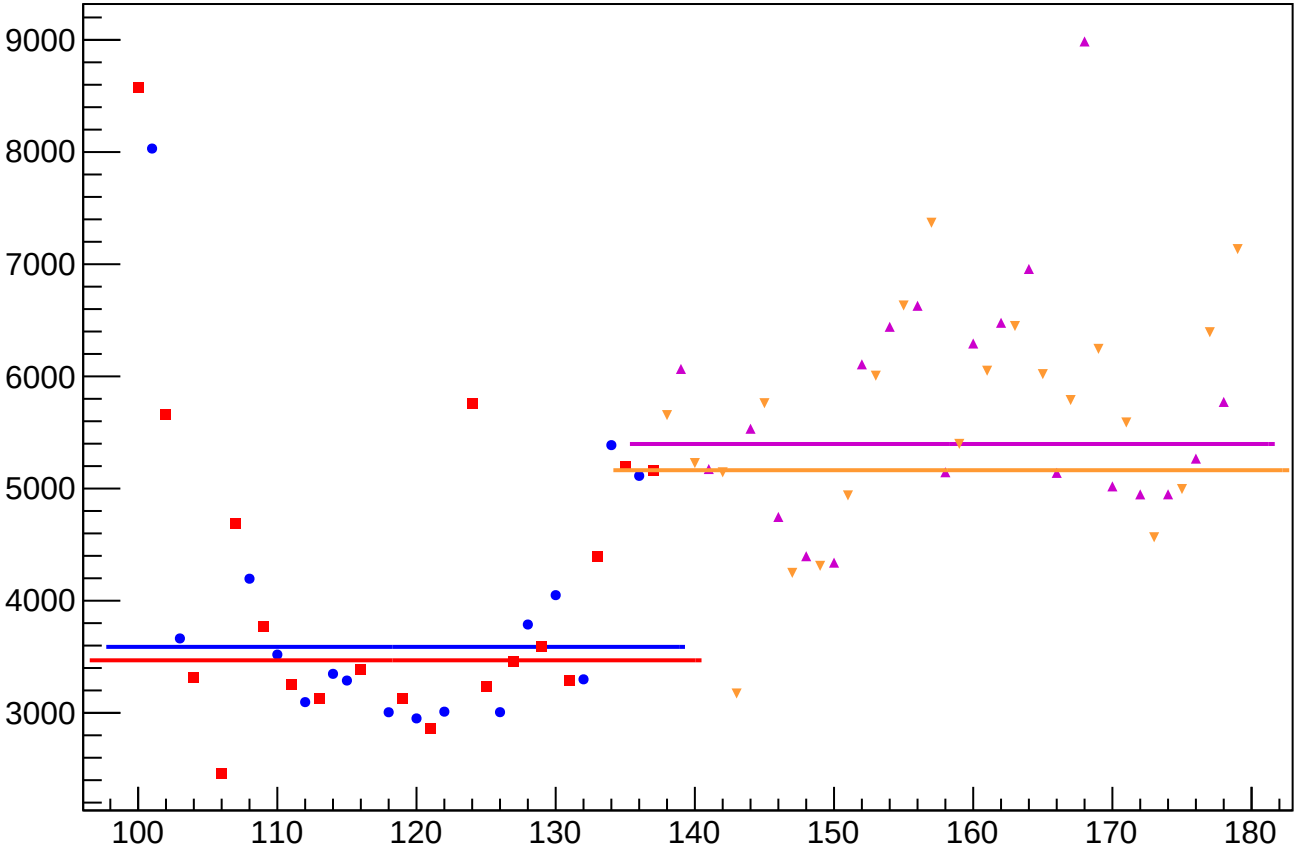
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2178.056+/-967.363 χ^2/NDF:26.3/35

Out: 2086.055+/-918.833 χ^2/NDF:46.9/40

All: 2129.690+/-666.209 χ^2/NDF: 73.2/76

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5163.482+/-0.897 χ^2/NDF:1490546.6/21

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5397.239+/-0.959 χ^2/NDF:841847.3/19

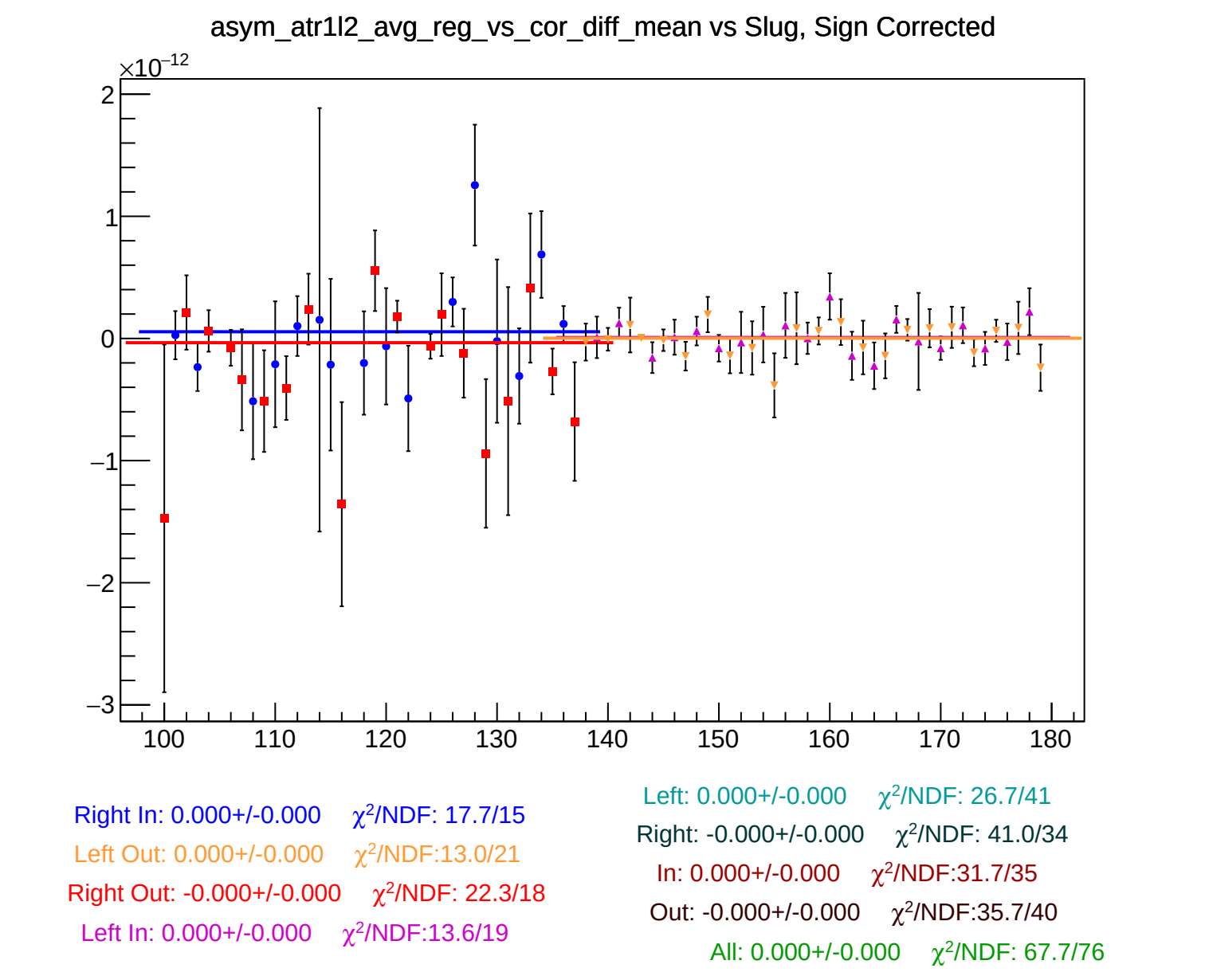
Left: 5272.512+/-0.655 χ^2/NDF: 2364083.0/41

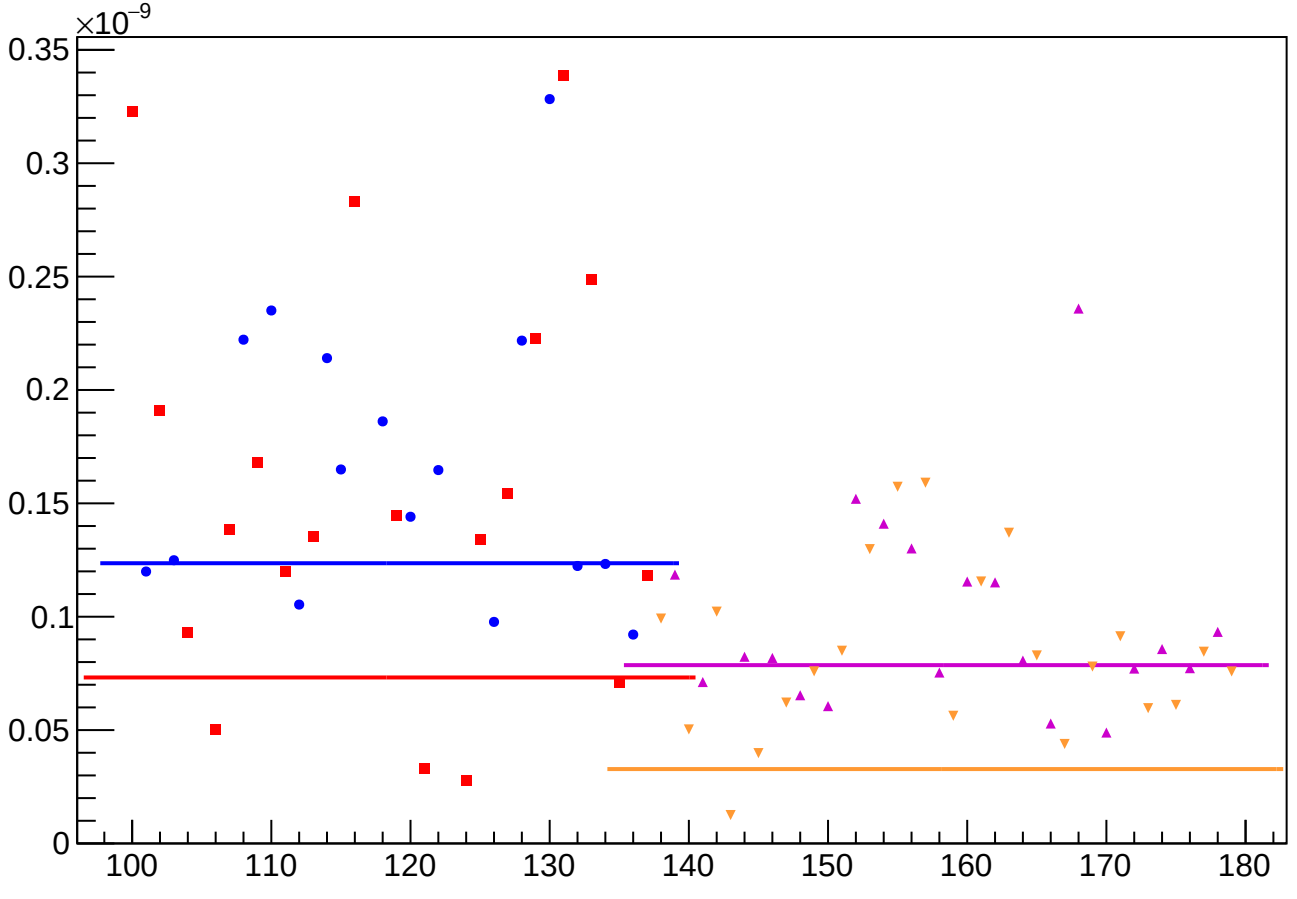
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4508.298+/-0.684 χ^2/NDF:3434699.2/35

Out: 4345.242+/-0.645 χ^2/NDF:3881393.7/40

All: 4421.982+/-0.469 χ^2/NDF: 7346173.2/76


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:13.0/21
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:13.6/19
Left: 0.000+/-0.000 χ²/NDF: 26.7/41
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:31.7/35
Out: -0.000+/-0.000 χ²/NDF:35.7/40
All: 0.000+/-0.000 χ²/NDF: 67.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6110546.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1378764.8/19

Left: 0.000+/-0.000 χ^2/NDF: 10497141.2/41

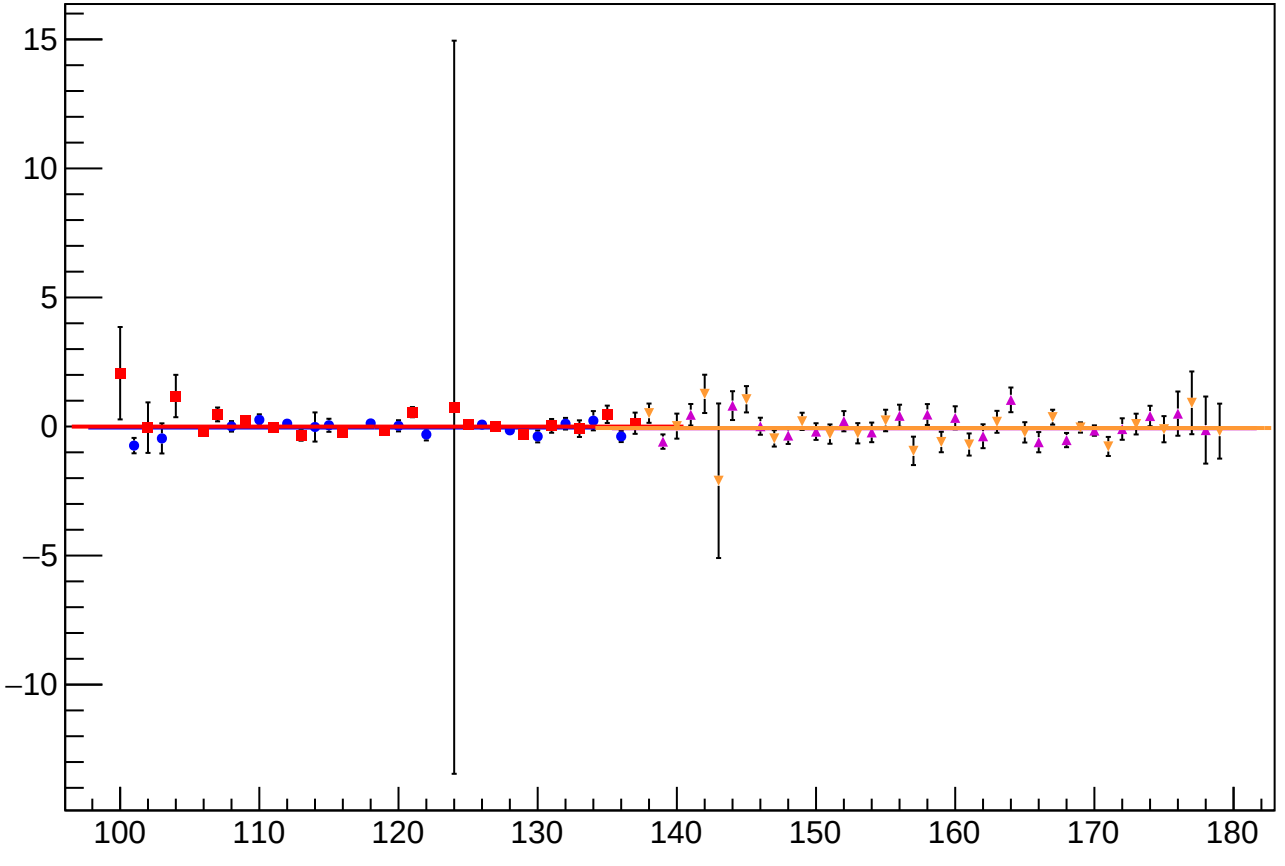
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2669491.0/35

Out: 0.000+/-0.000 χ^2/NDF:9334260.2/40

All: 0.000+/-0.000 χ^2/NDF: 16102327.1/76

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.082 χ^2/NDF:25.4/19

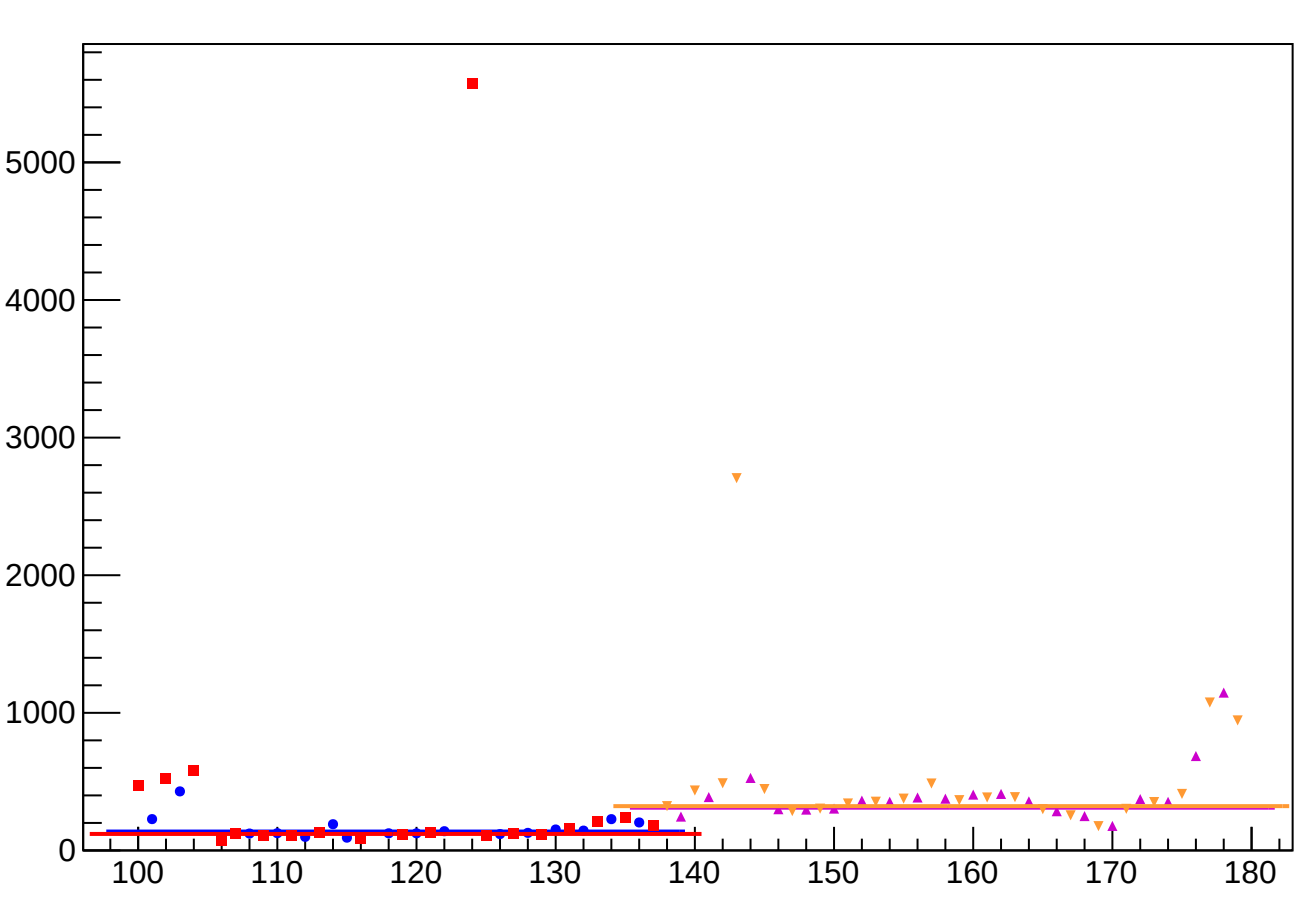
Left: -0.064+/-0.059 χ^2/NDF: 53.4/41

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.032+/-0.032 χ^2/NDF: 100.7/76



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.019+/-0.060 χ^2/NDF:4688509.8/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

Left: 316.298+/-0.042 χ^2/NDF: 7812717.0/41

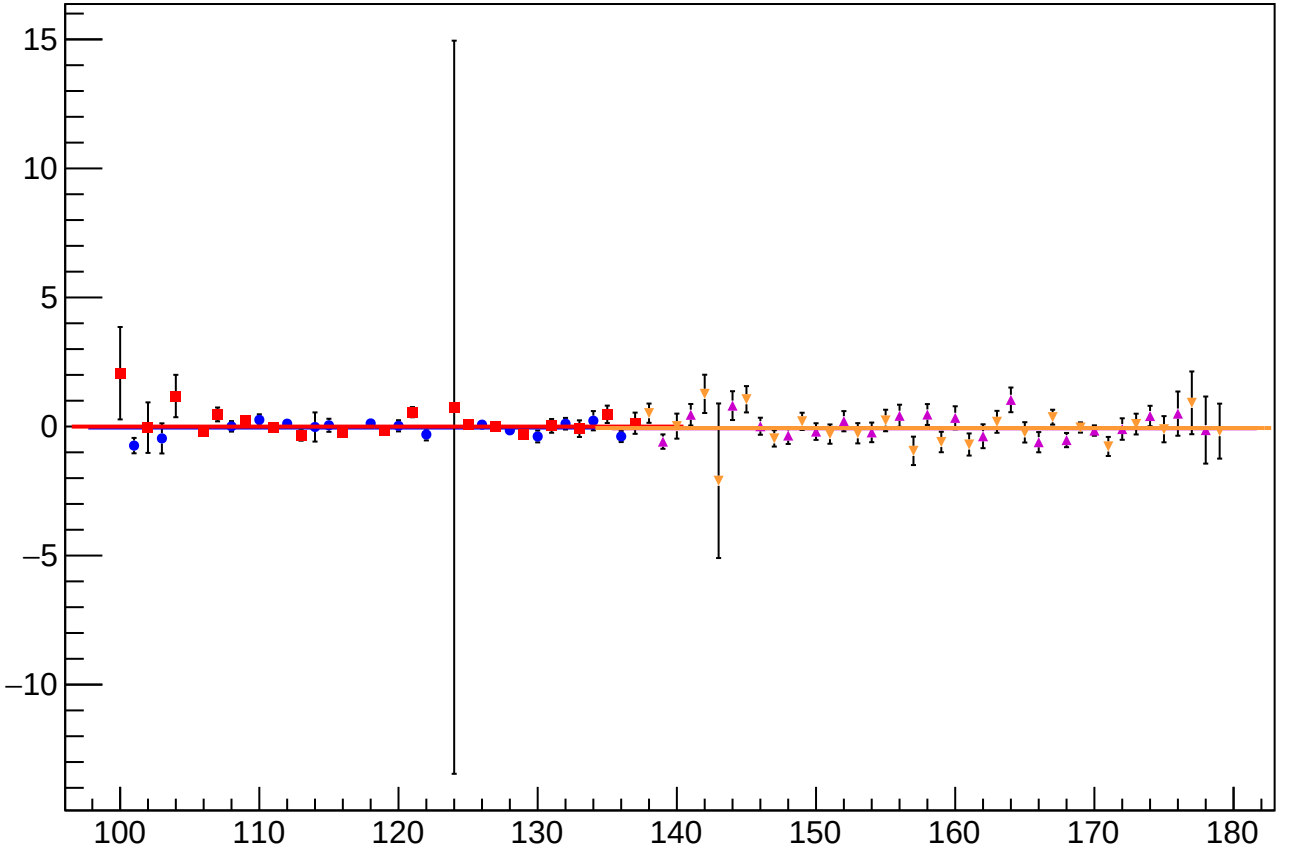
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 192.001+/-0.033 χ^2/NDF:10455482.5/35

Out: 173.532+/-0.031 χ^2/NDF:15166998.5/40

All: 182.243+/-0.022 χ^2/NDF: 25791285.8/76

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.082 χ^2/NDF:25.4/19

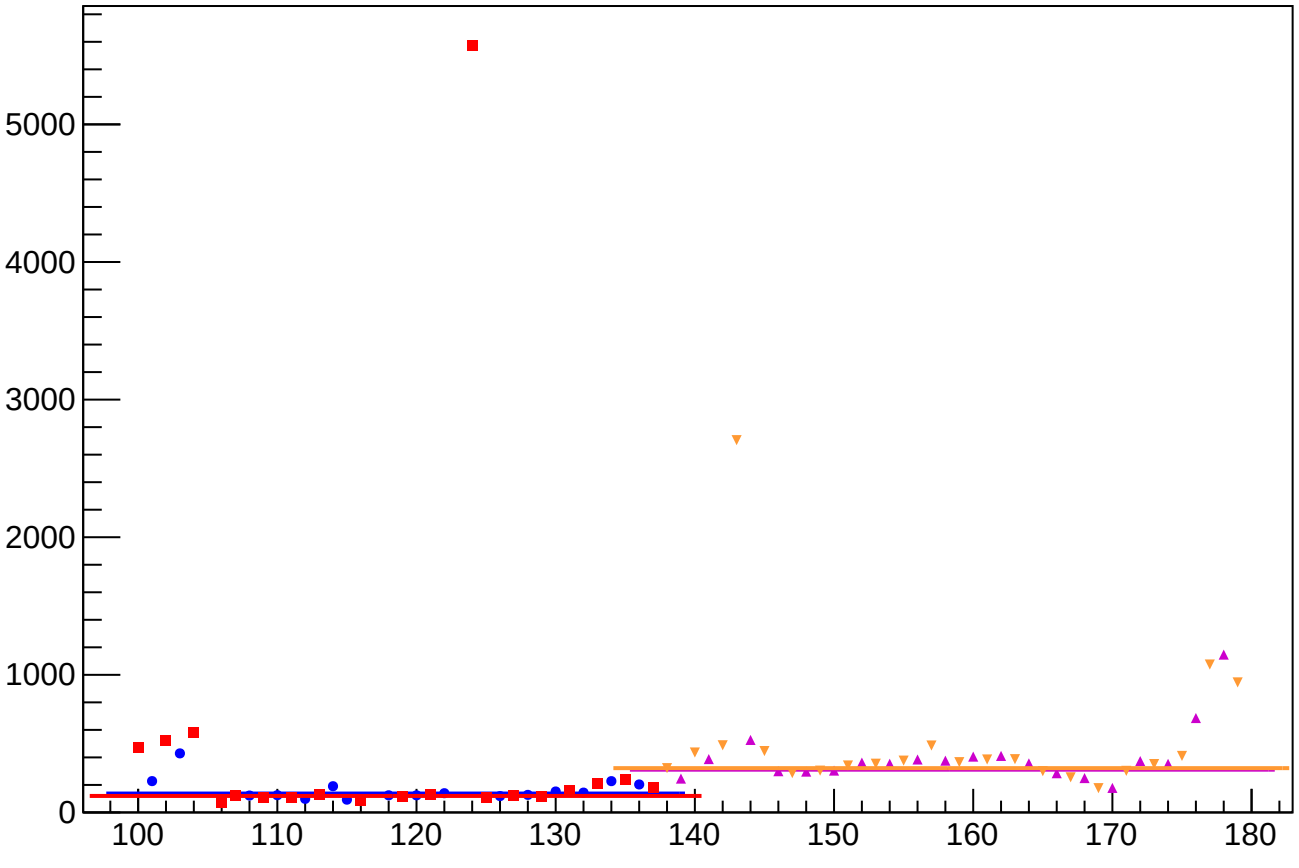
Left: -0.064+/-0.059 χ^2/NDF: 53.4/41

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.032+/-0.032 χ^2/NDF: 100.7/76



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 322.019+/-0.060 χ^2/NDF:4688509.8/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

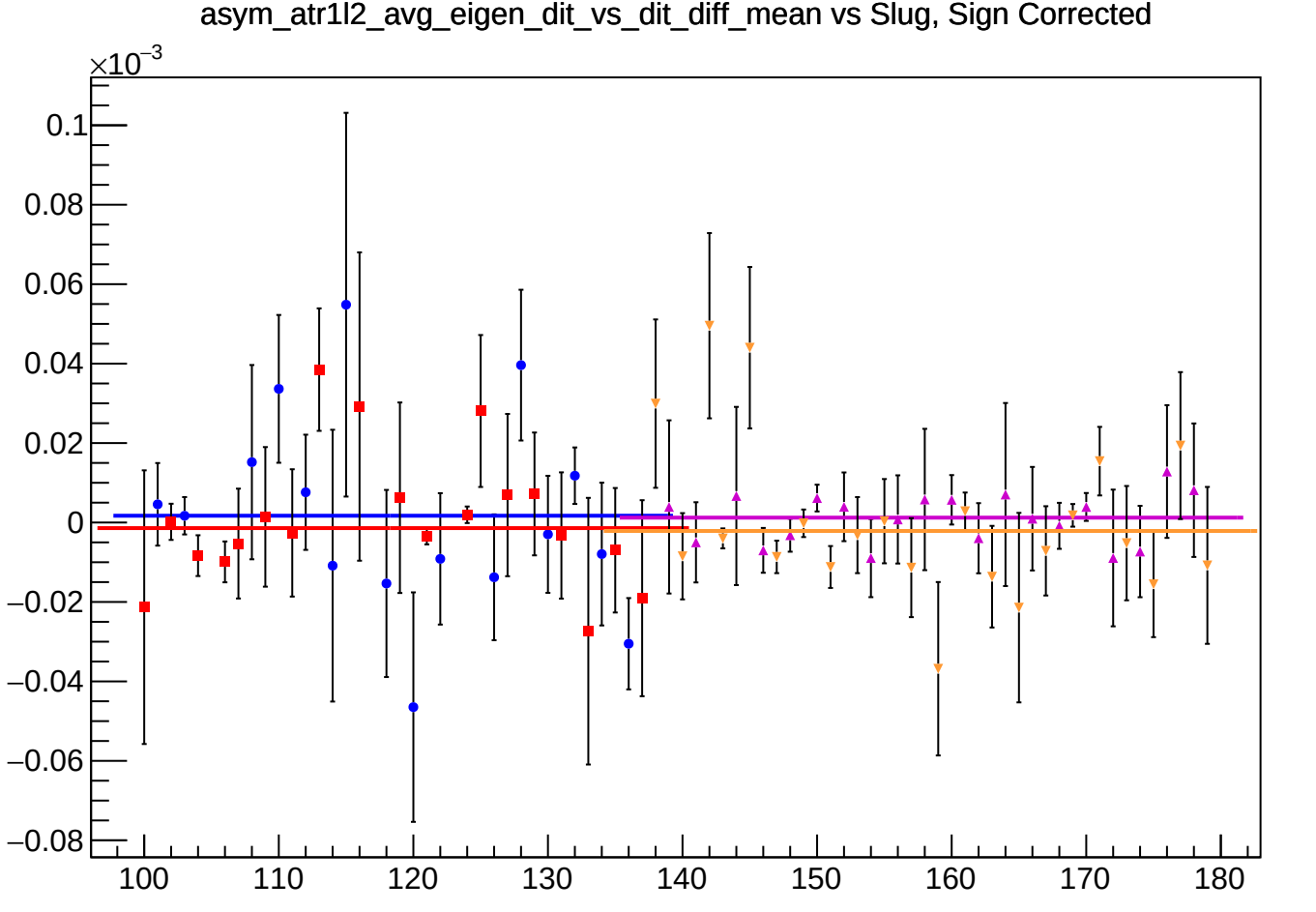
Left: 316.298+/-0.042 χ^2/NDF: 7812717.0/41

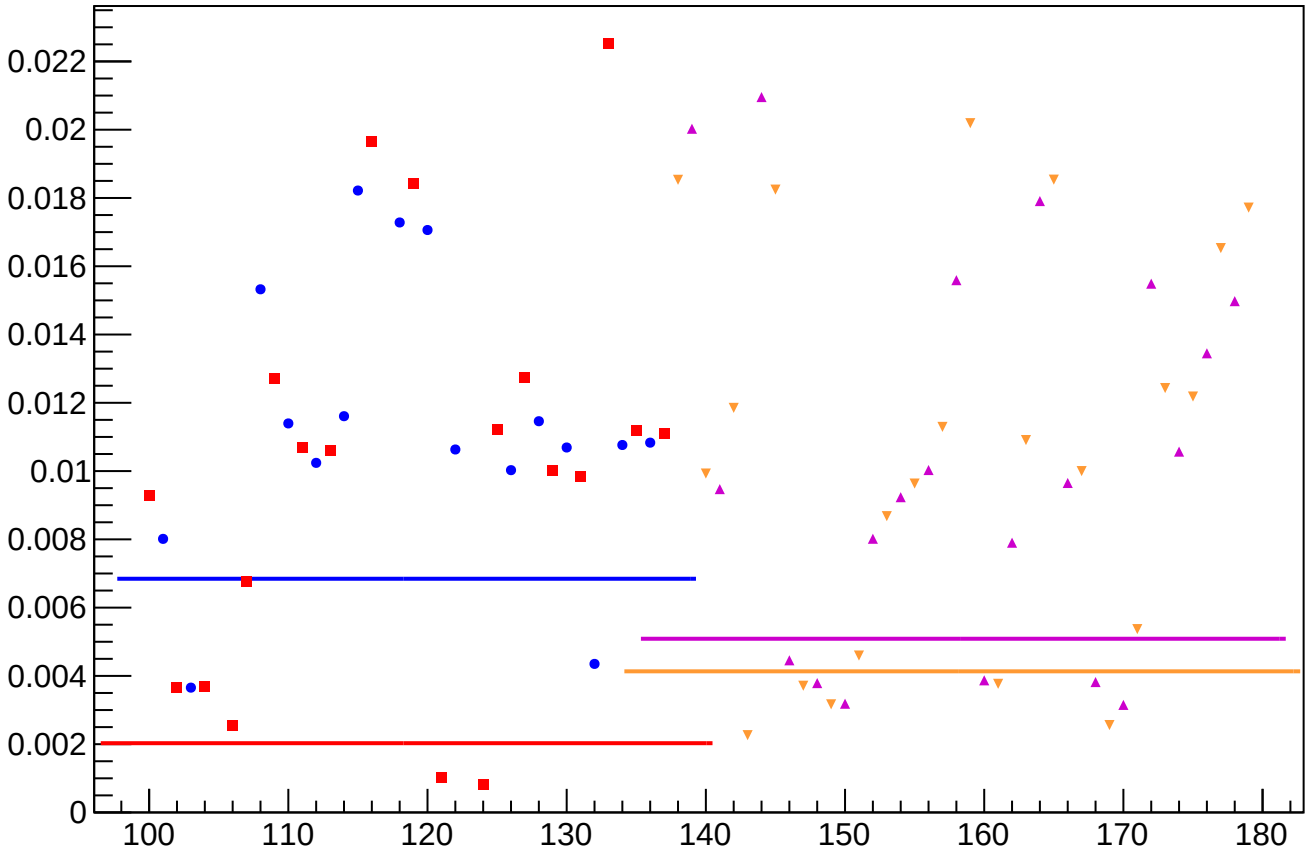
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 192.001+/-0.033 χ^2/NDF:10455482.5/35

Out: 173.532+/-0.031 χ^2/NDF:15166998.5/40

All: 182.243+/-0.022 χ^2/NDF: 25791285.8/76


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 23.8/15
Left Out: -0.000+/-0.000 χ²/NDF:33.6/21
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:10.3/19
Left: -0.000+/-0.000 χ²/NDF: 46.6/41
Right: -0.000+/-0.000 χ²/NDF: 45.0/34
In: 0.000+/-0.000 χ²/NDF:34.1/35
Out: -0.000+/-0.000 χ²/NDF:54.1/40
All: -0.000+/-0.000 χ²/NDF: 91.6/76



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:12442672.2/21

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:9084253.4/19

Left: 0.005+/-0.000 χ^2/NDF: 21963652.3/41

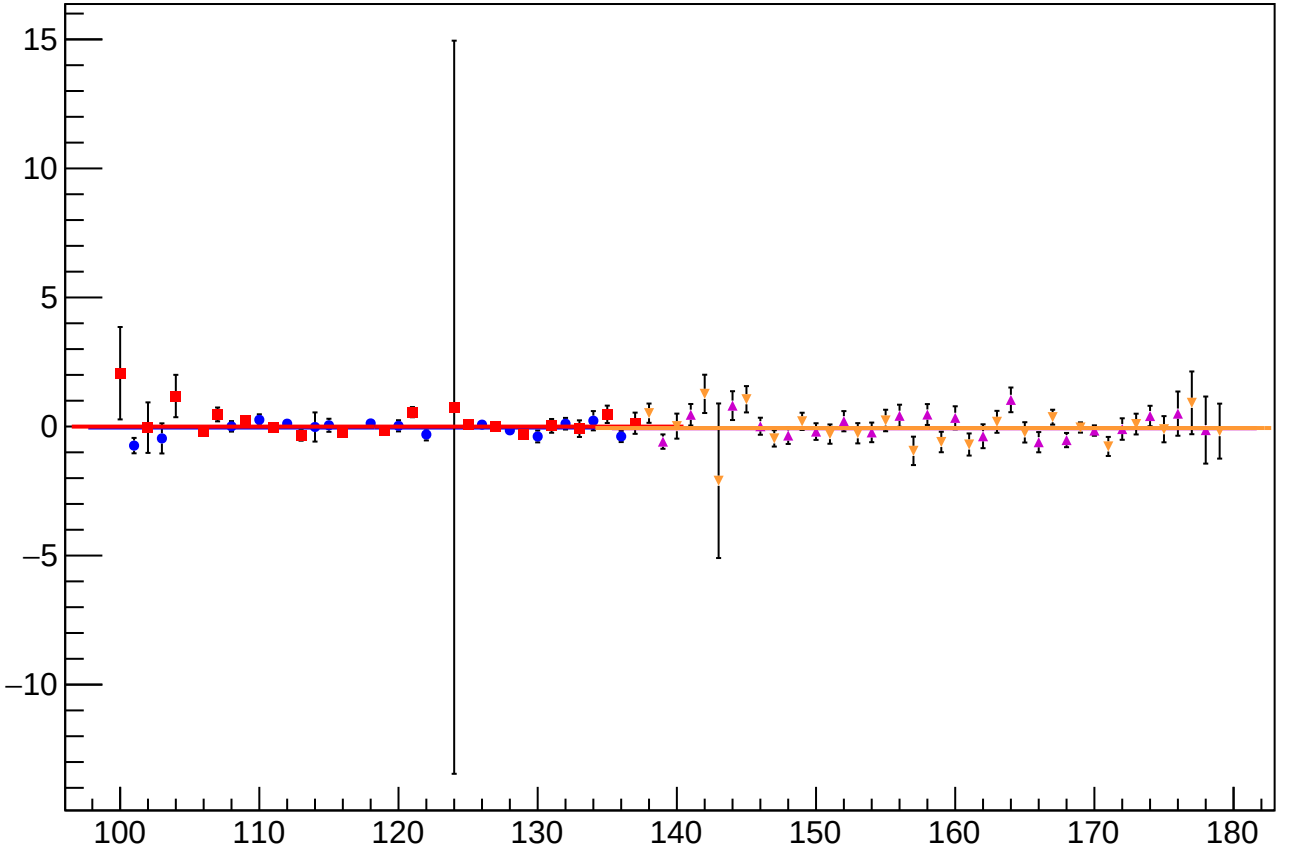
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:12861545.6/35

Out: 0.003+/-0.000 χ^2/NDF:24165936.1/40

All: 0.004+/-0.000 χ^2/NDF: 41309876.1/76

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.082 χ^2/NDF:25.4/19

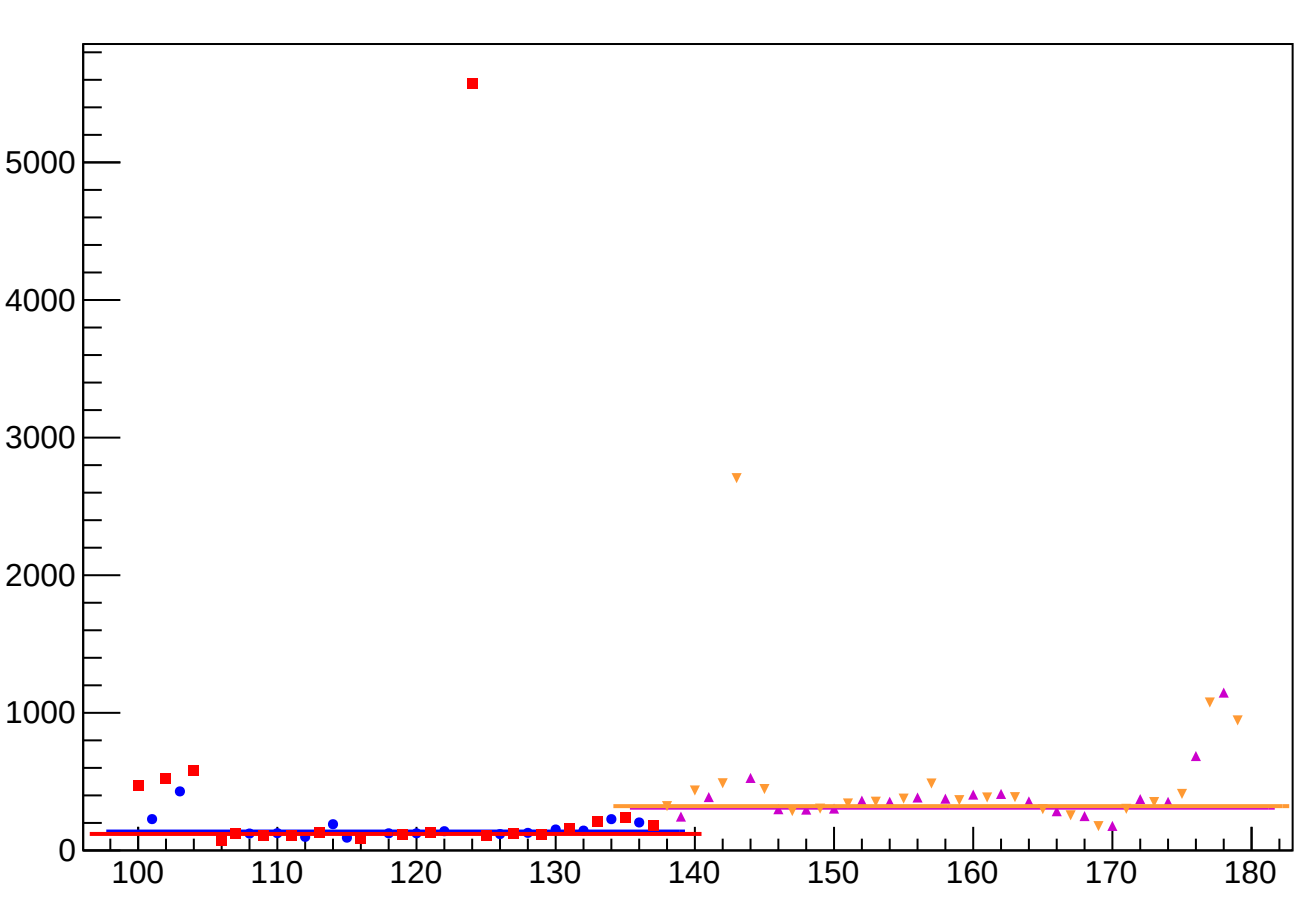
Left: -0.064+/-0.059 χ^2/NDF: 53.4/41

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.032+/-0.032 χ^2/NDF: 100.7/76



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 322.021+/-0.060 χ^2/NDF:4688564.3/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

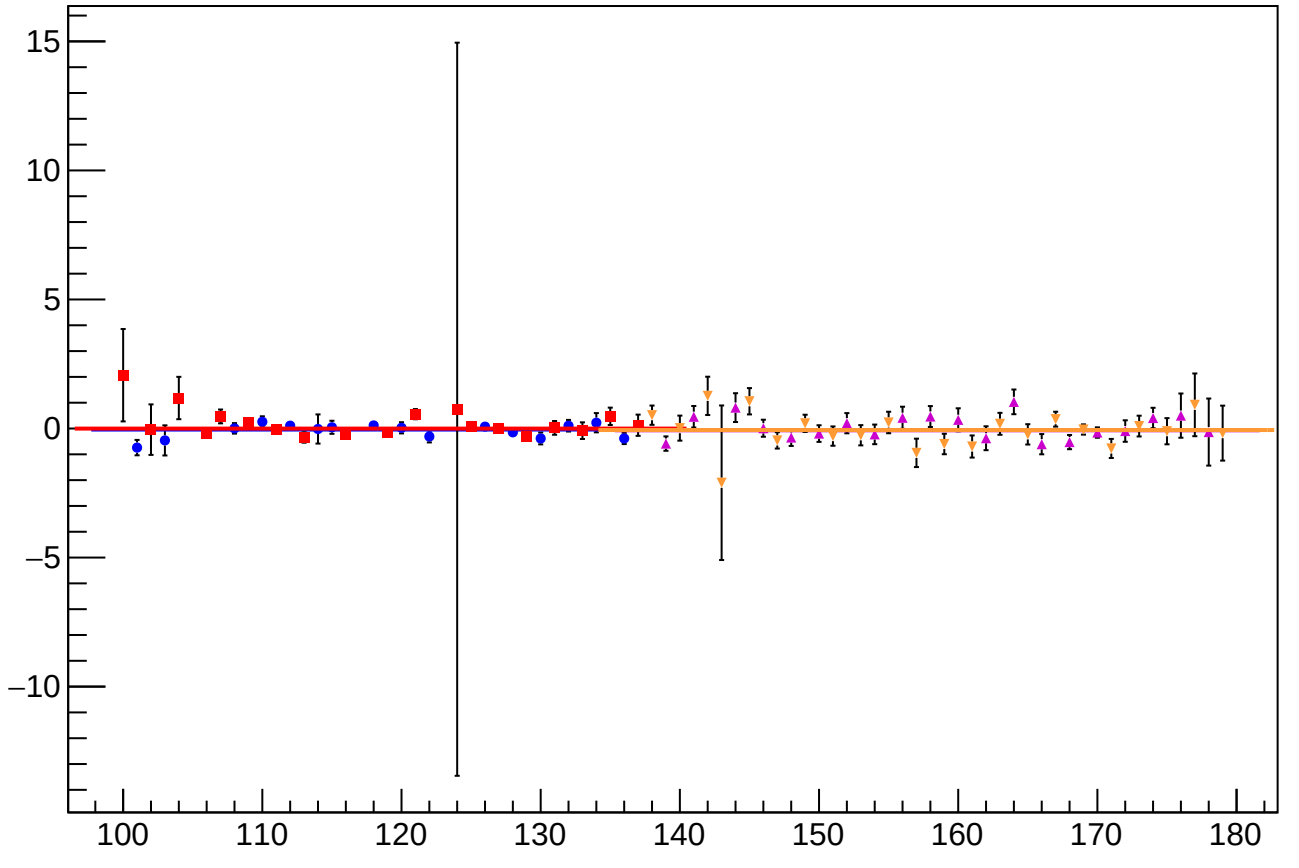
Left: 316.300+/-0.042 χ^2/NDF: 7812764.7/41

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 192.003+/-0.033 χ^2/NDF:10455454.0/35

Out: 173.532+/-0.031 χ^2/NDF:15167057.1/40

All: 182.244+/-0.022 χ^2/NDF: 25791339.2/76



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.059+/-0.085 χ^2/NDF:28.1/21

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.082 χ^2/NDF:25.4/19

Left: -0.064+/-0.059 χ^2/NDF: 53.4/41

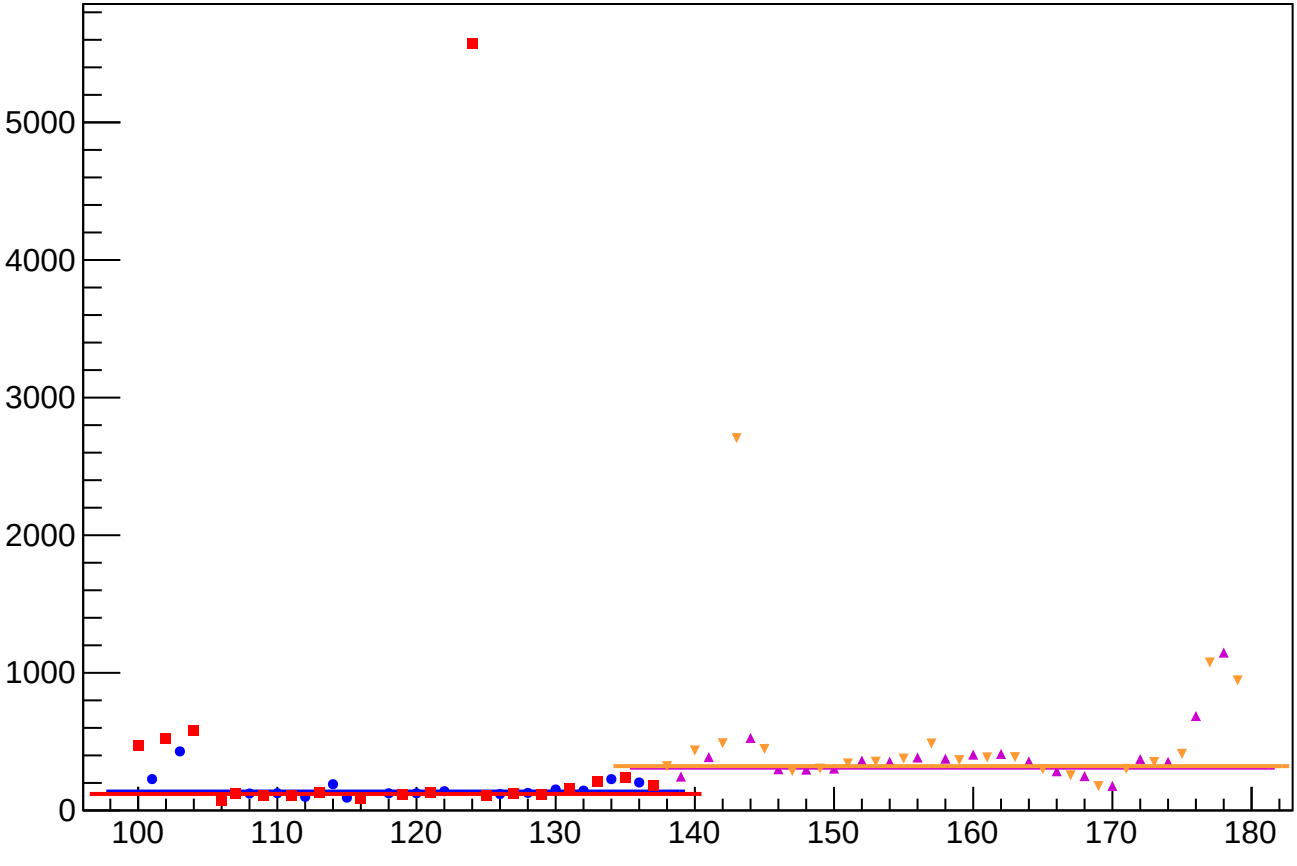
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.018+/-0.044 χ^2/NDF:57.1/40

All: -0.032+/-0.032 χ^2/NDF: 100.7/76

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 322.021+/-0.060 χ^2/NDF:4688564.3/21

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

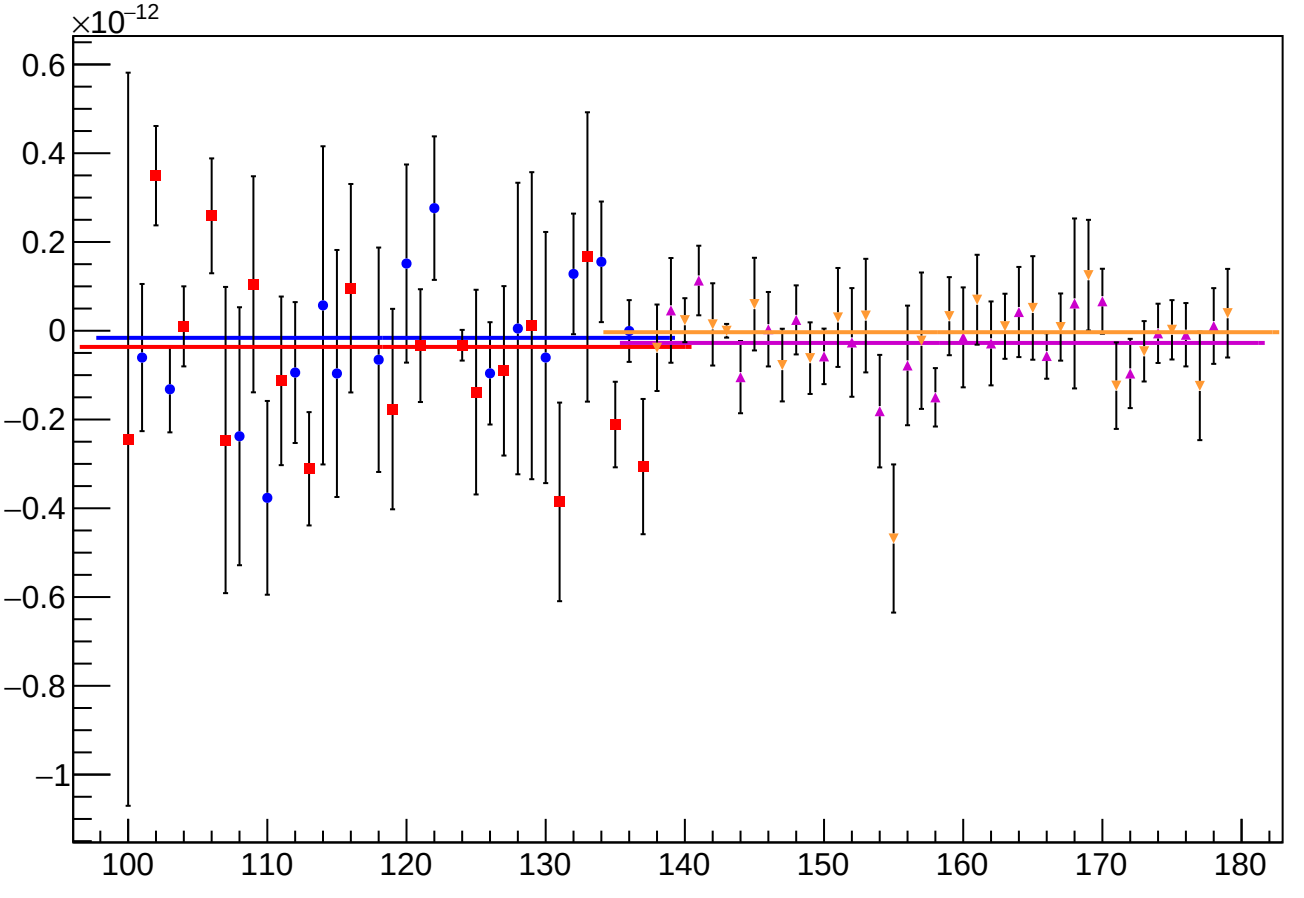
Left: 316.300+/-0.042 χ^2/NDF: 7812764.7/41

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 192.003+/-0.033 χ^2/NDF:10455454.0/35

Out: 173.532+/-0.031 χ^2/NDF:15167057.1/40

All: 182.244+/-0.022 χ^2/NDF: 25791339.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/19

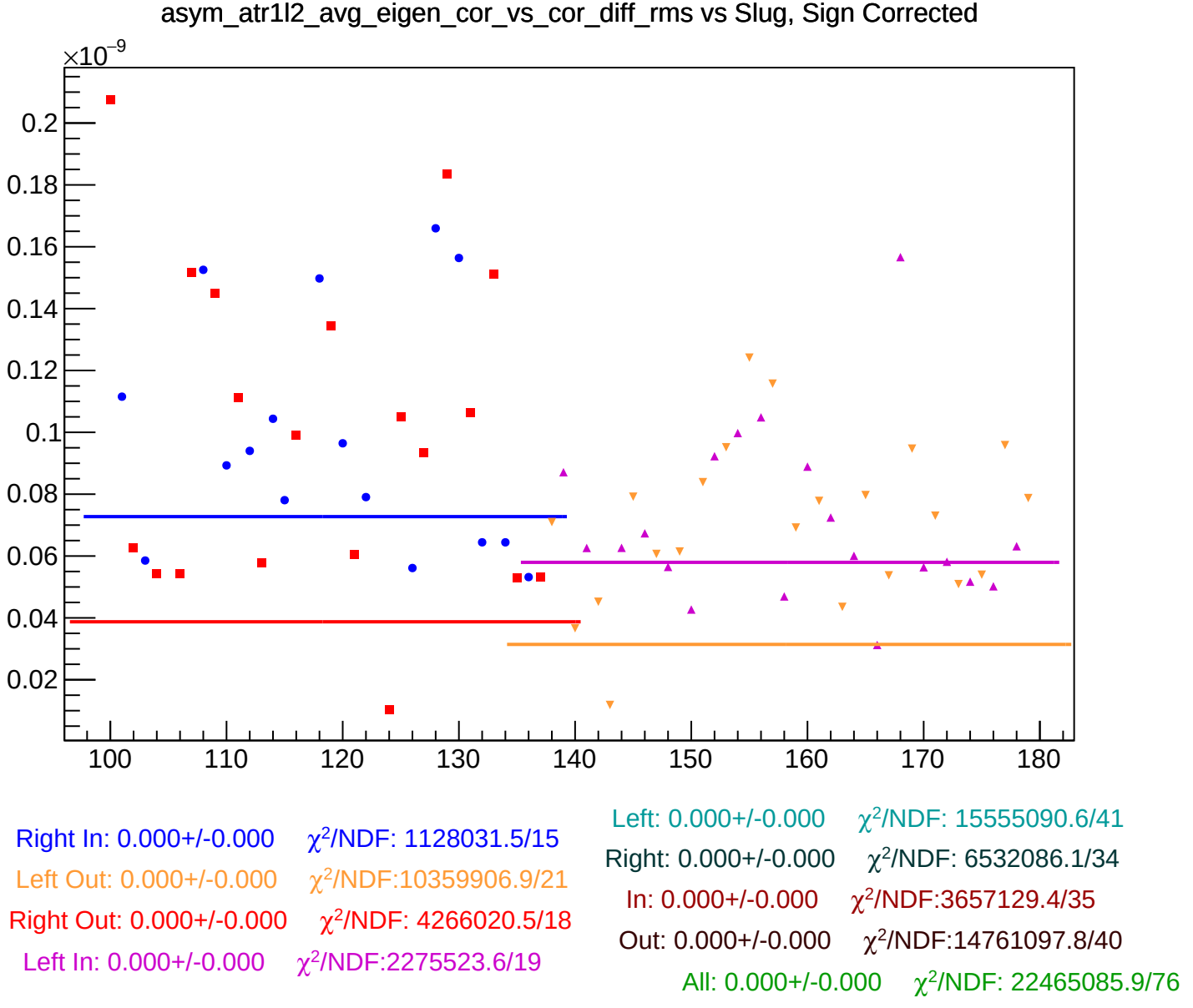
Left: -0.000+/-0.000 χ^2/NDF: 30.7/41

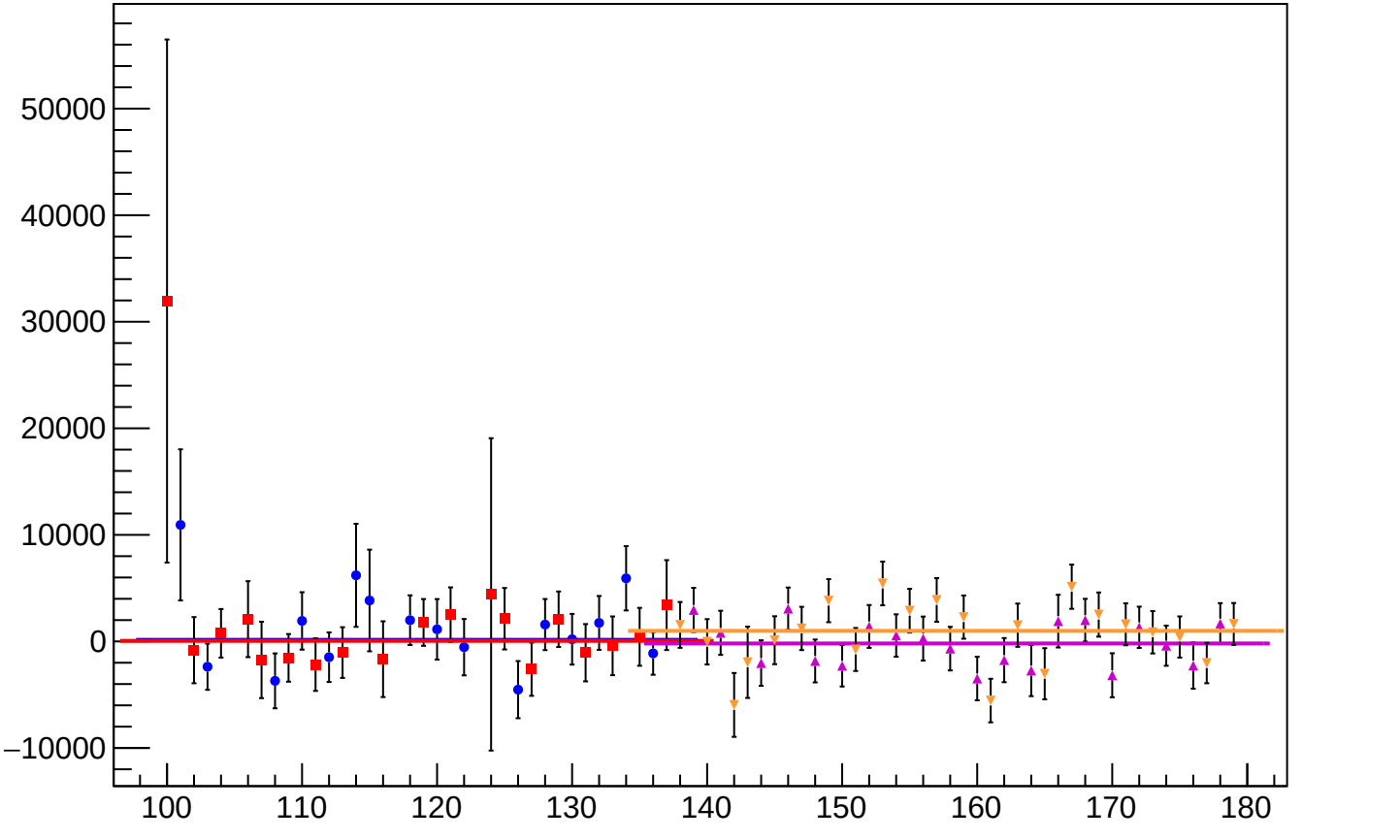
Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:26.6/35

Out: -0.000+/-0.000 χ^2/NDF:49.8/40

All: -0.000+/-0.000 χ^2/NDF: 77.1/76


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:10359906.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2275523.6/19
Left: 0.000+/-0.000 χ²/NDF: 15555090.6/41
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:3657129.4/35
Out: 0.000+/-0.000 χ²/NDF:14761097.8/40
All: 0.000+/-0.000 χ²/NDF: 22465085.9/76



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 990.418+/-448.871 χ^2/NDF:37.8/21

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -190.835+/-458.872 χ^2/NDF:19.5/19

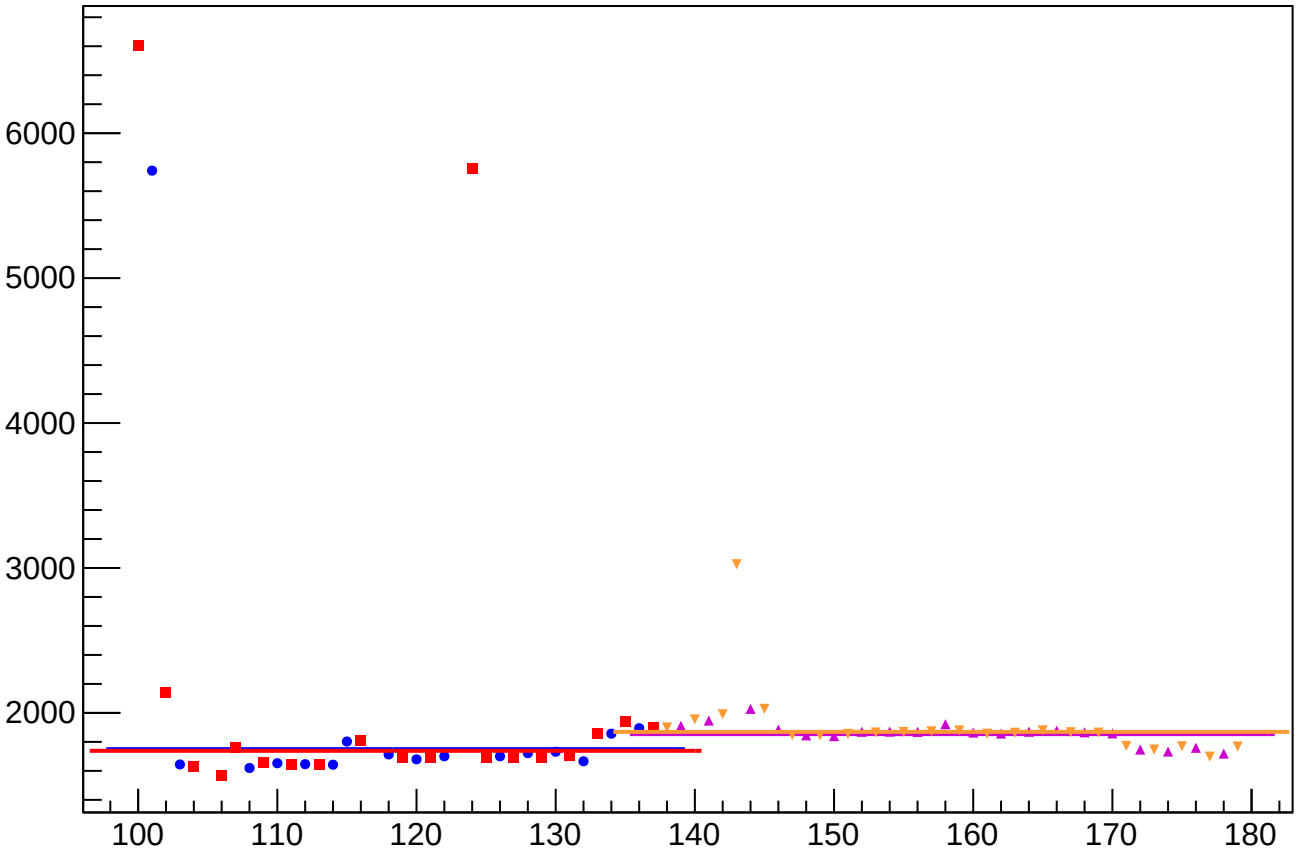
Left: 412.804+/-320.877 χ^2/NDF: 60.6/41

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -81.116+/-378.053 χ^2/NDF:37.3/35

Out: 691.376+/-370.317 χ^2/NDF:48.1/40

All: 313.115+/-264.546 χ^2/NDF: 87.6/76



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

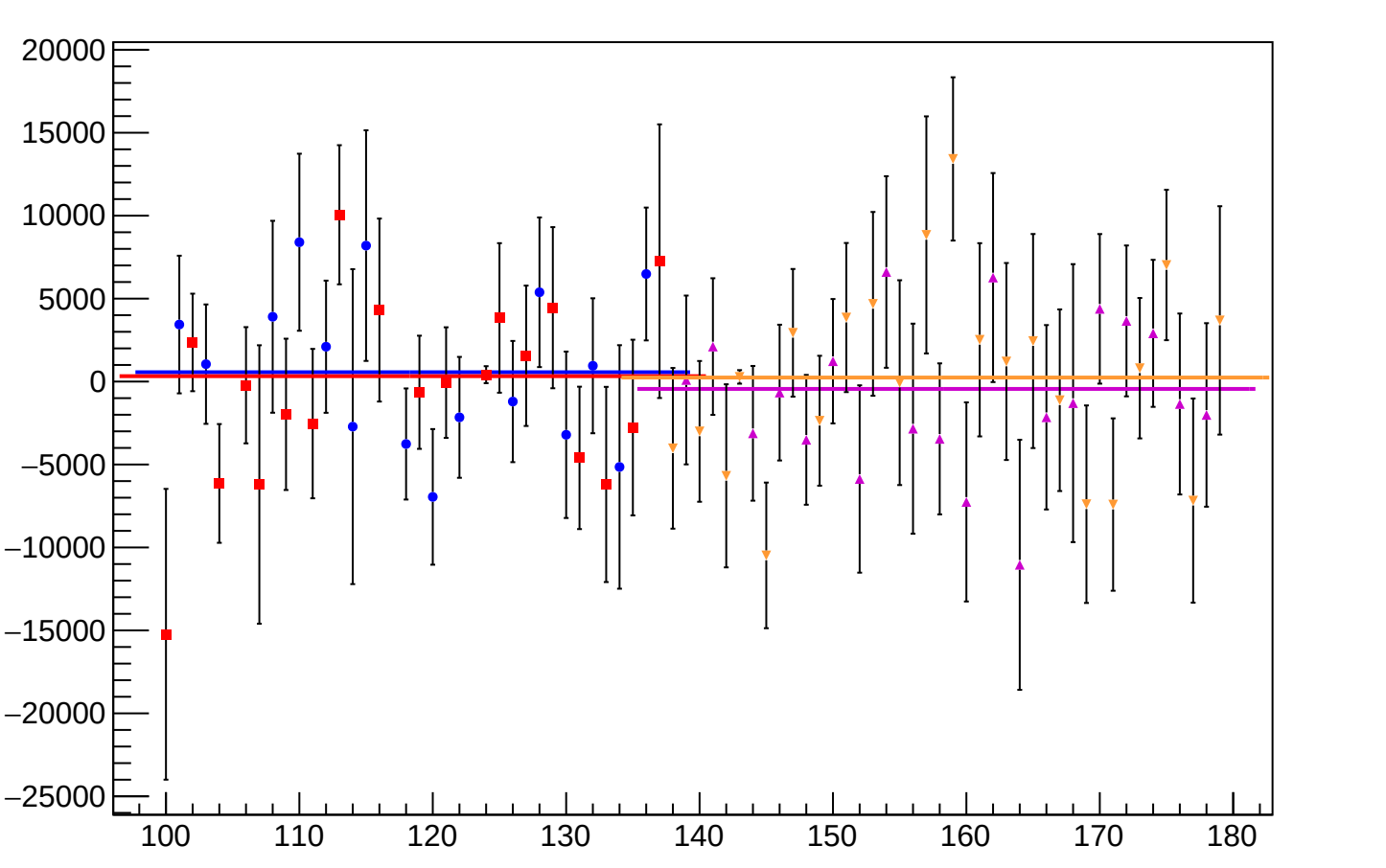
Left: 1861.583+/-0.227 χ^2/NDF: 347179.6/41

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1820.315+/-0.267 χ^2/NDF:752850.1/35

Out: 1827.013+/-0.261 χ^2/NDF:654778.7/40

All: 1823.741+/-0.187 χ^2/NDF: 1407949.9/76



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 242.416+/-383.692 χ^2/NDF:27.5/21

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -442.885+/-1103.724 χ^2/NDF:11.8/19

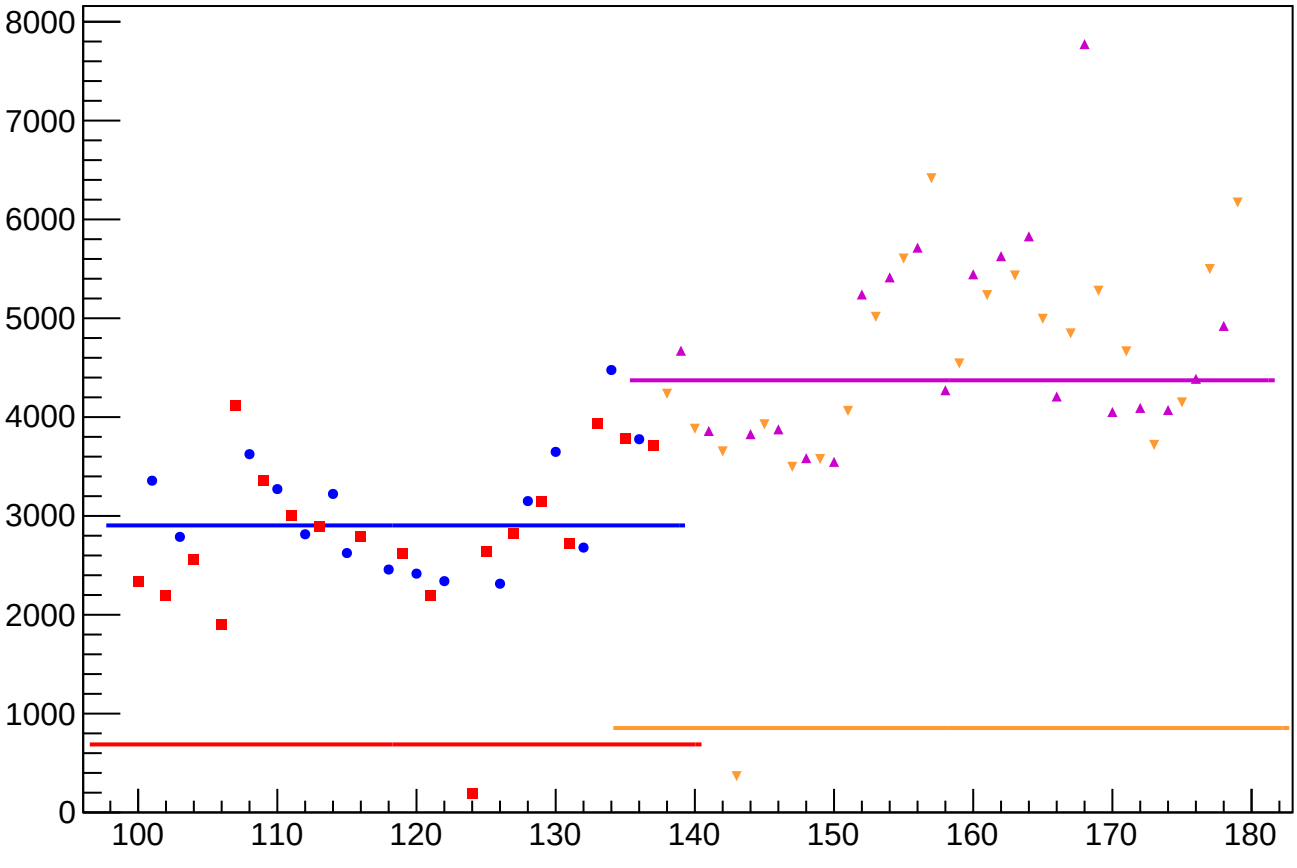
Left: 168.527+/-362.418 χ^2/NDF: 39.6/41

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 60.895+/-779.543 χ^2/NDF:27.0/35

Out: 276.712+/-294.106 χ^2/NDF:46.7/40

All: 249.820+/-275.173 χ^2/NDF: 73.8/76



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 854.247+/-0.271 χ^2/NDF:24596558.6/21

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4372.248+/-0.780 χ^2/NDF:1080465.3/19

Left: 1233.558+/-0.256 χ^2/NDF: 43805186.5/41

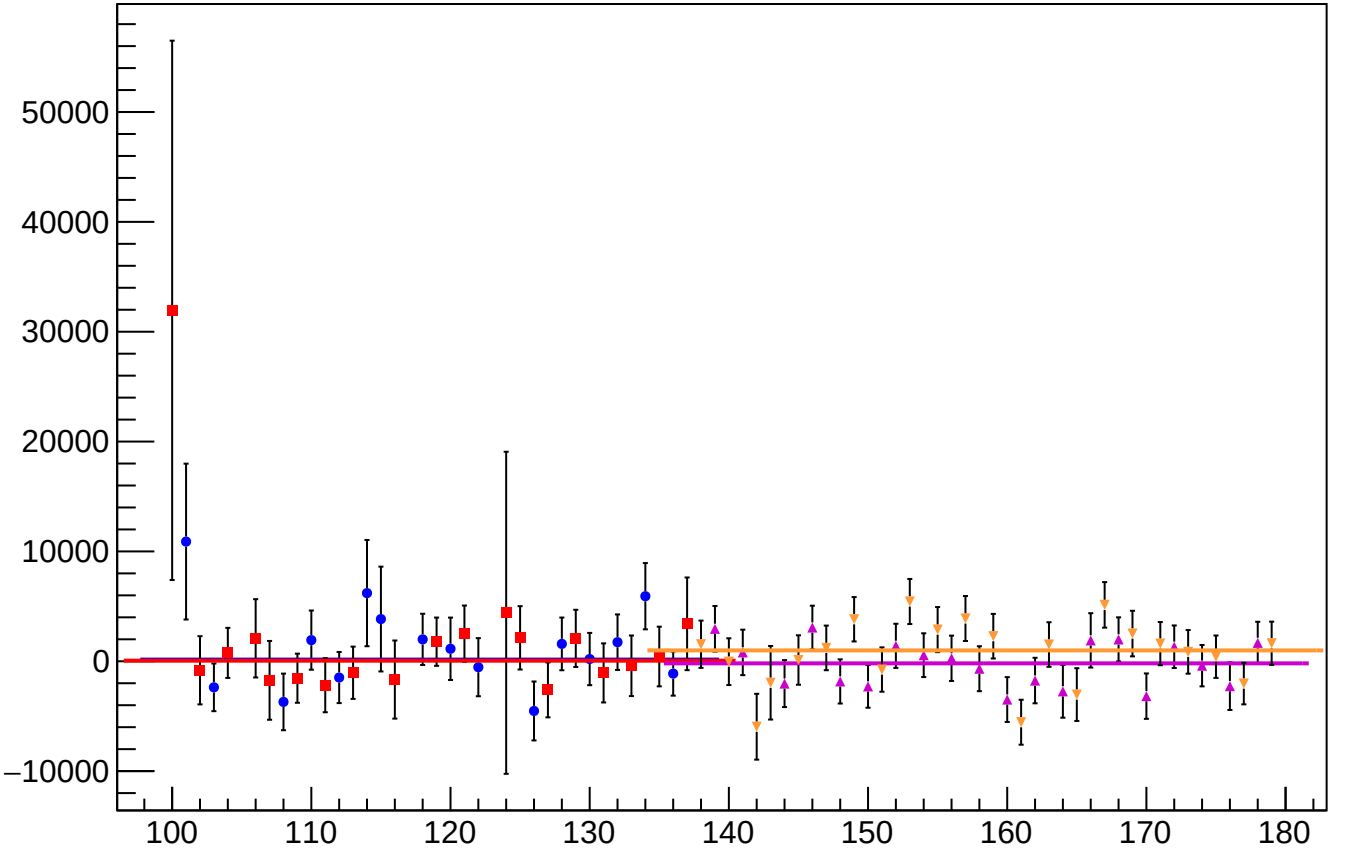
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3636.448+/-0.551 χ^2/NDF:3333819.7/35

Out: 785.810+/-0.208 χ^2/NDF:34899742.2/40

All: 1141.011+/-0.195 χ^2/NDF: 61645551.3/7

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -190.780+/-458.872 χ^2/NDF:19.5/19

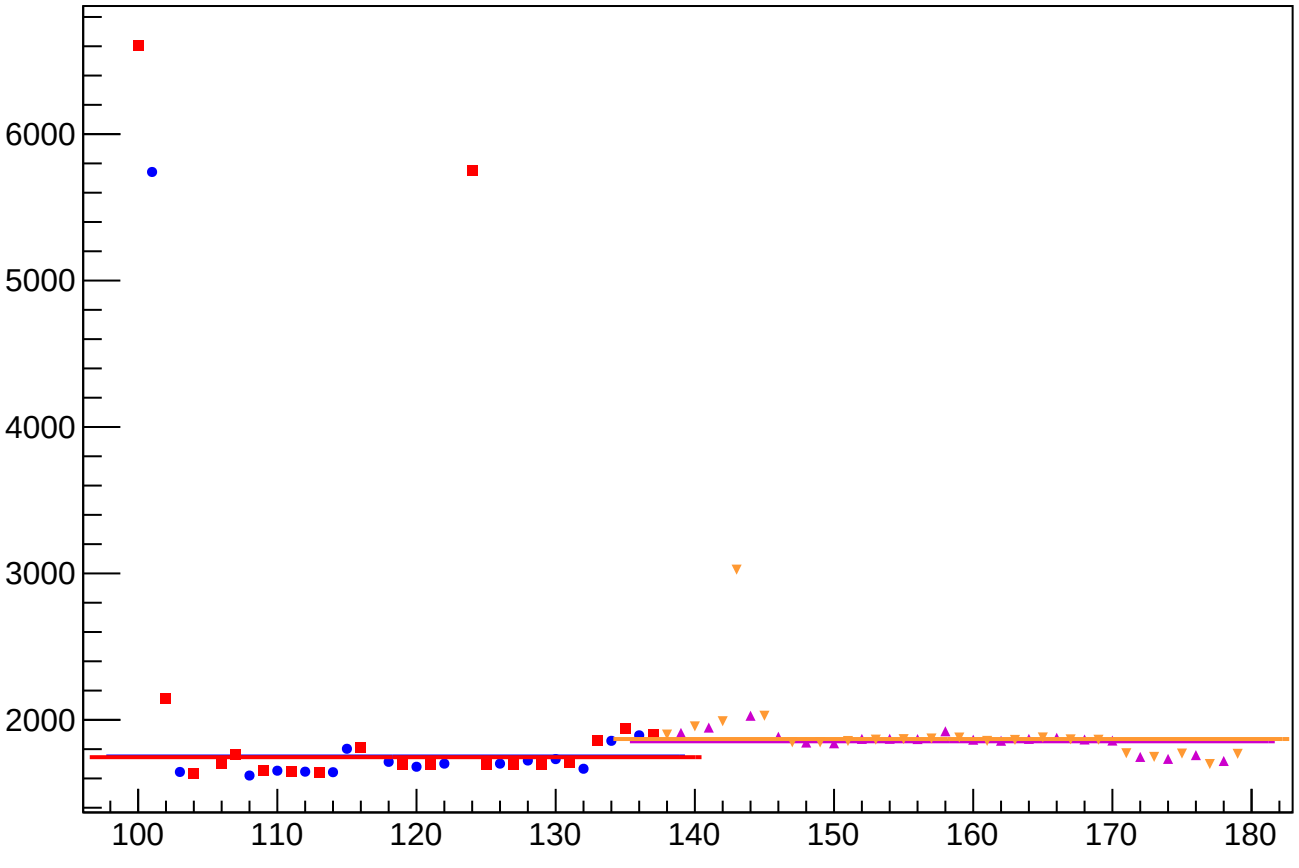
Left: 412.829+/-320.877 χ^2/NDF: 60.6/41

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -81.229+/-378.053 χ^2/NDF:37.3/35

Out: 691.390+/-370.317 χ^2/NDF:48.1/40

All: 313.067+/-264.546 χ^2/NDF: 87.5/76



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

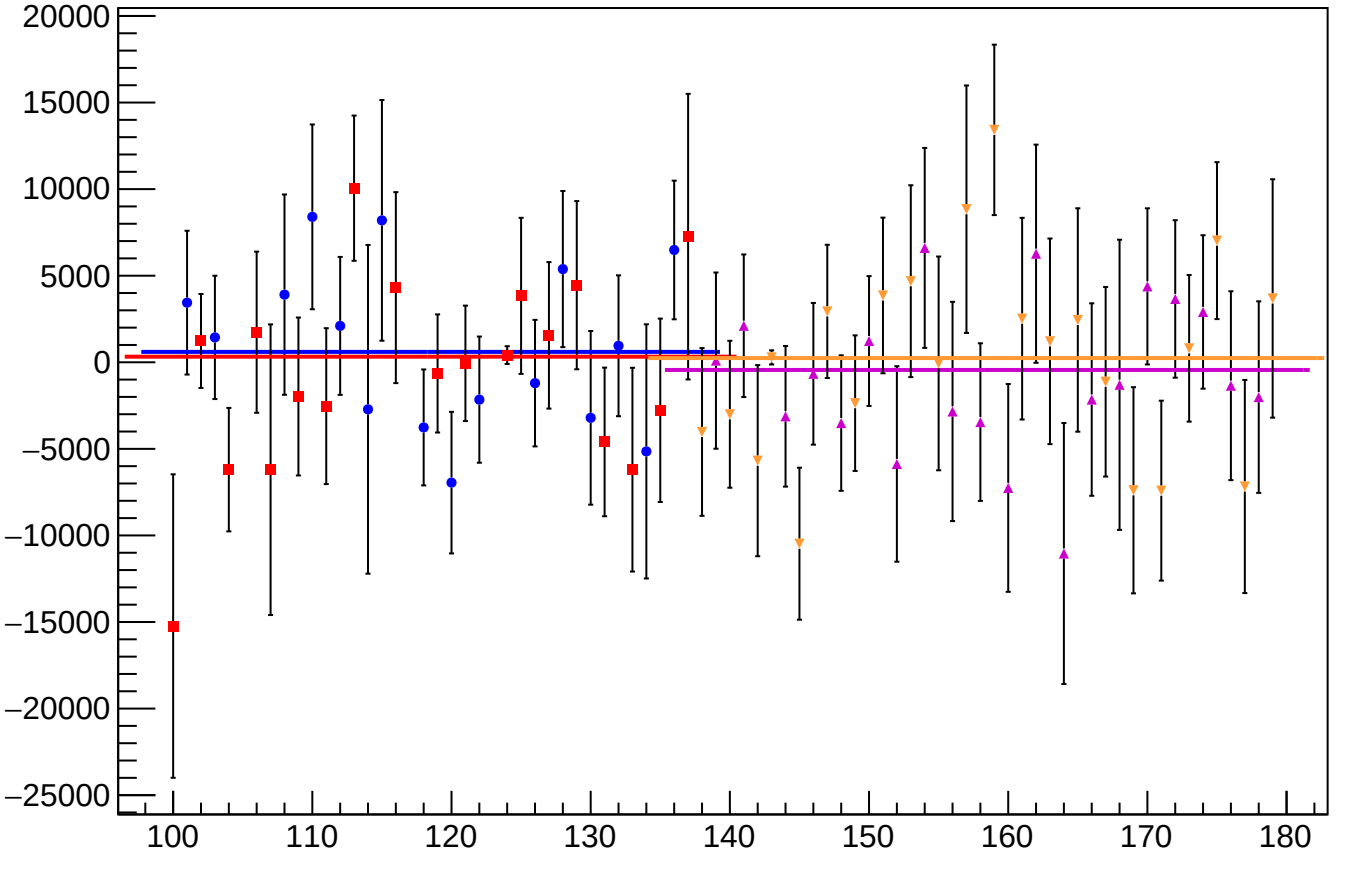
Left: 1861.583+/-0.227 χ^2/NDF: 347179.6/41

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1820.315+/-0.267 χ^2/NDF:752850.5/35

Out: 1829.368+/-0.262 χ^2/NDF:642564.3/40

All: 1824.941+/-0.187 χ^2/NDF: 1396000.8/76



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -442.942+/-1103.721 χ^2/NDF:11.8/19

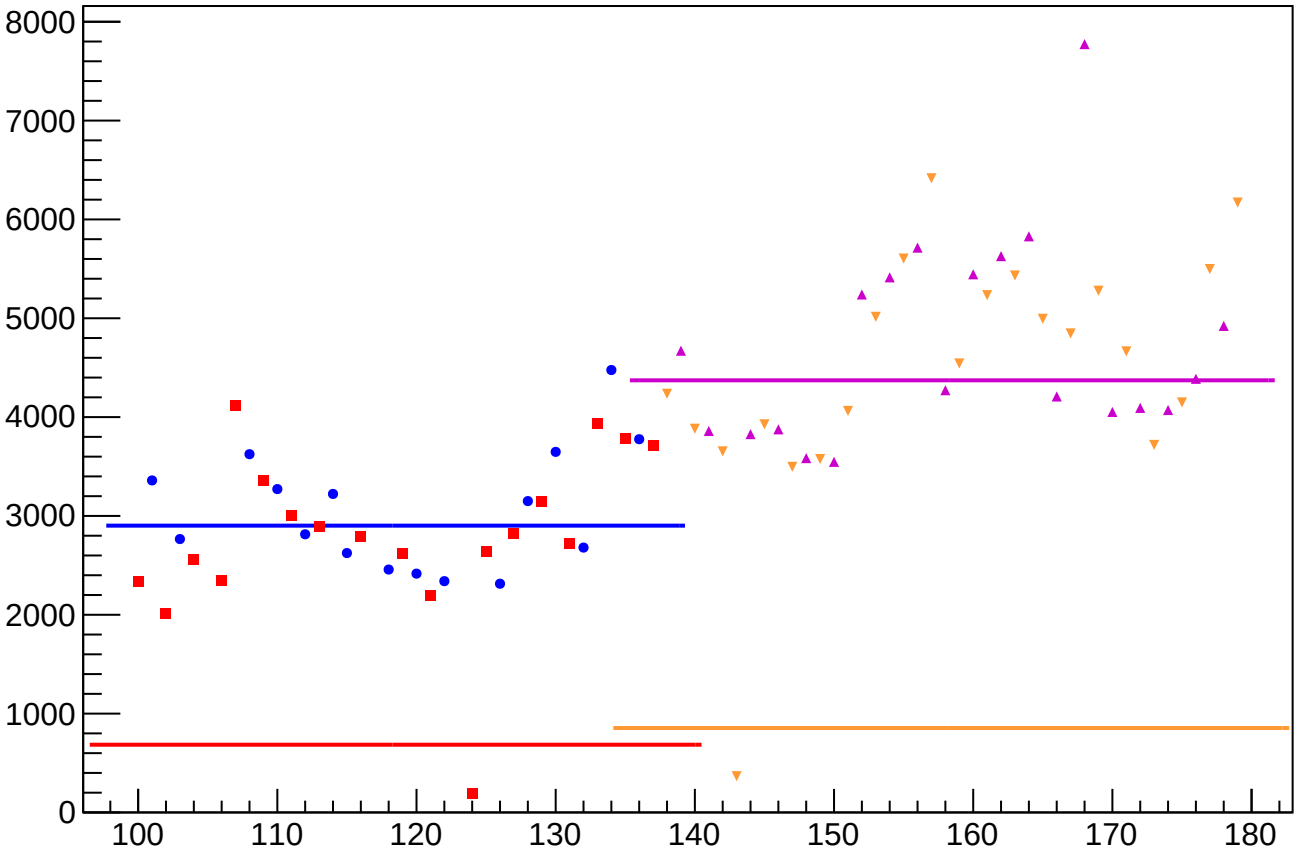
Left: 169.328+/-362.443 χ^2/NDF: 39.6/41

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 80.332+/-779.174 χ^2/NDF:27.1/35

Out: 276.185+/-294.361 χ^2/NDF:46.5/40

All: 251.724+/-275.366 χ^2/NDF: 73.6/76



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

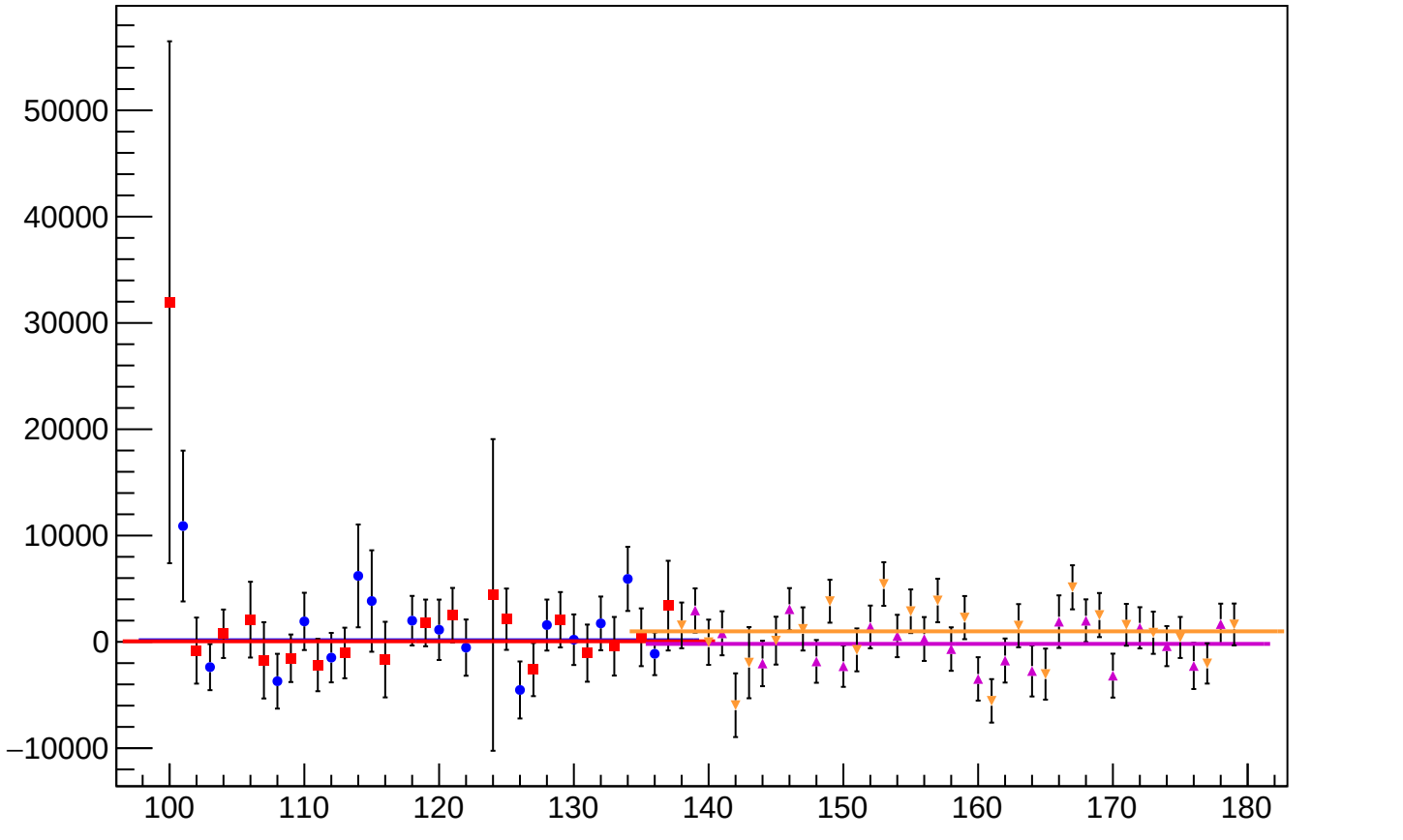
Left: 1233.711+/-0.256 χ^2/NDF: 43802721.4/41

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3634.650+/-0.551 χ^2/NDF:3341960.4/35

Out: 784.769+/-0.208 χ^2/NDF:34861218.9/40

All: 1140.711+/-0.195 χ^2/NDF: 61617058.3/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 990.415+/-448.871 χ^2/NDF:37.8/21

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -190.780+/-458.872 χ^2/NDF:19.5/19

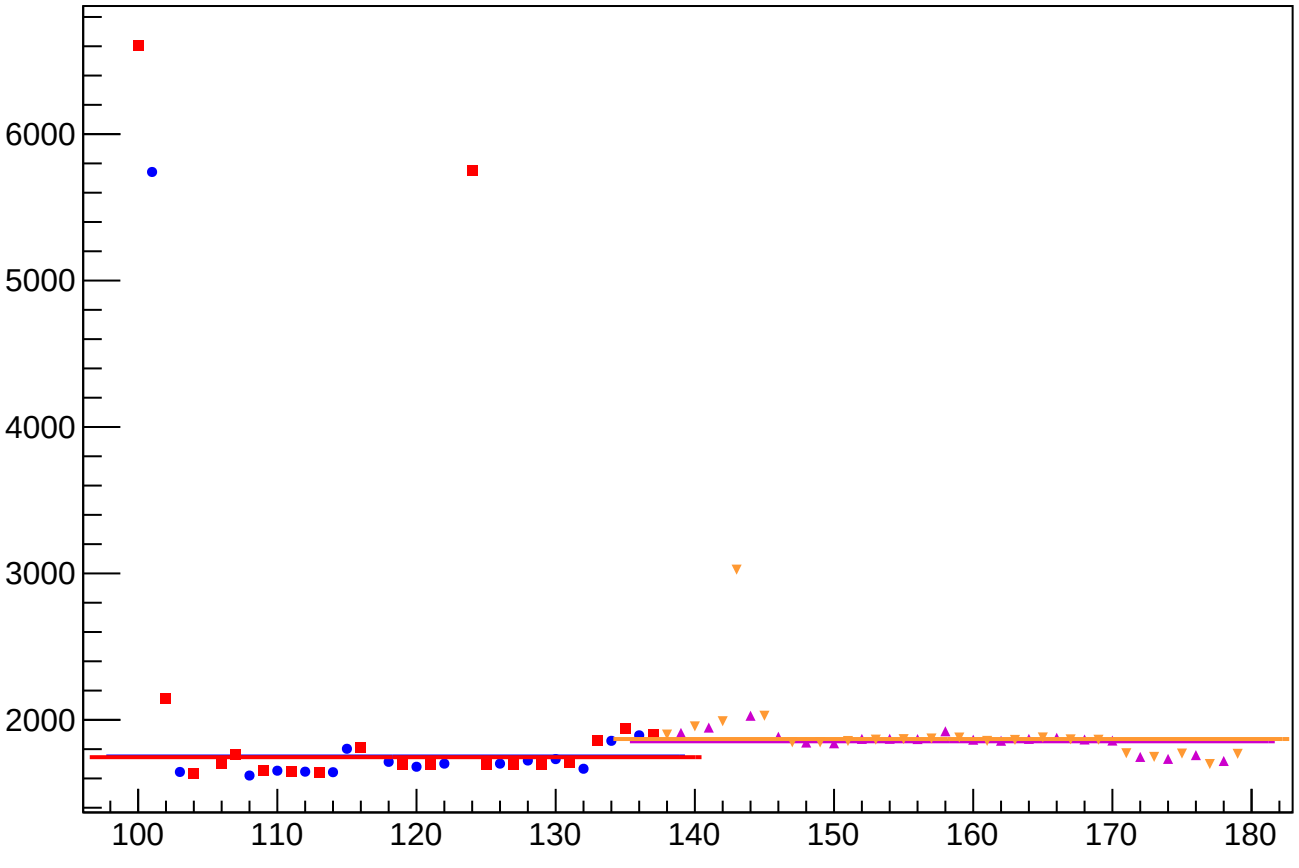
Left: 412.829+/-320.877 χ^2/NDF: 60.6/41

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -81.229+/-378.053 χ^2/NDF:37.3/35

Out: 691.390+/-370.317 χ^2/NDF:48.1/40

All: 313.067+/-264.546 χ^2/NDF: 87.5/76



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1869.167+/-0.317 χ^2/NDF:295606.9/21

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1853.656+/-0.324 χ^2/NDF:50405.0/19

Left: 1861.583+/-0.227 χ^2/NDF: 347179.6/41

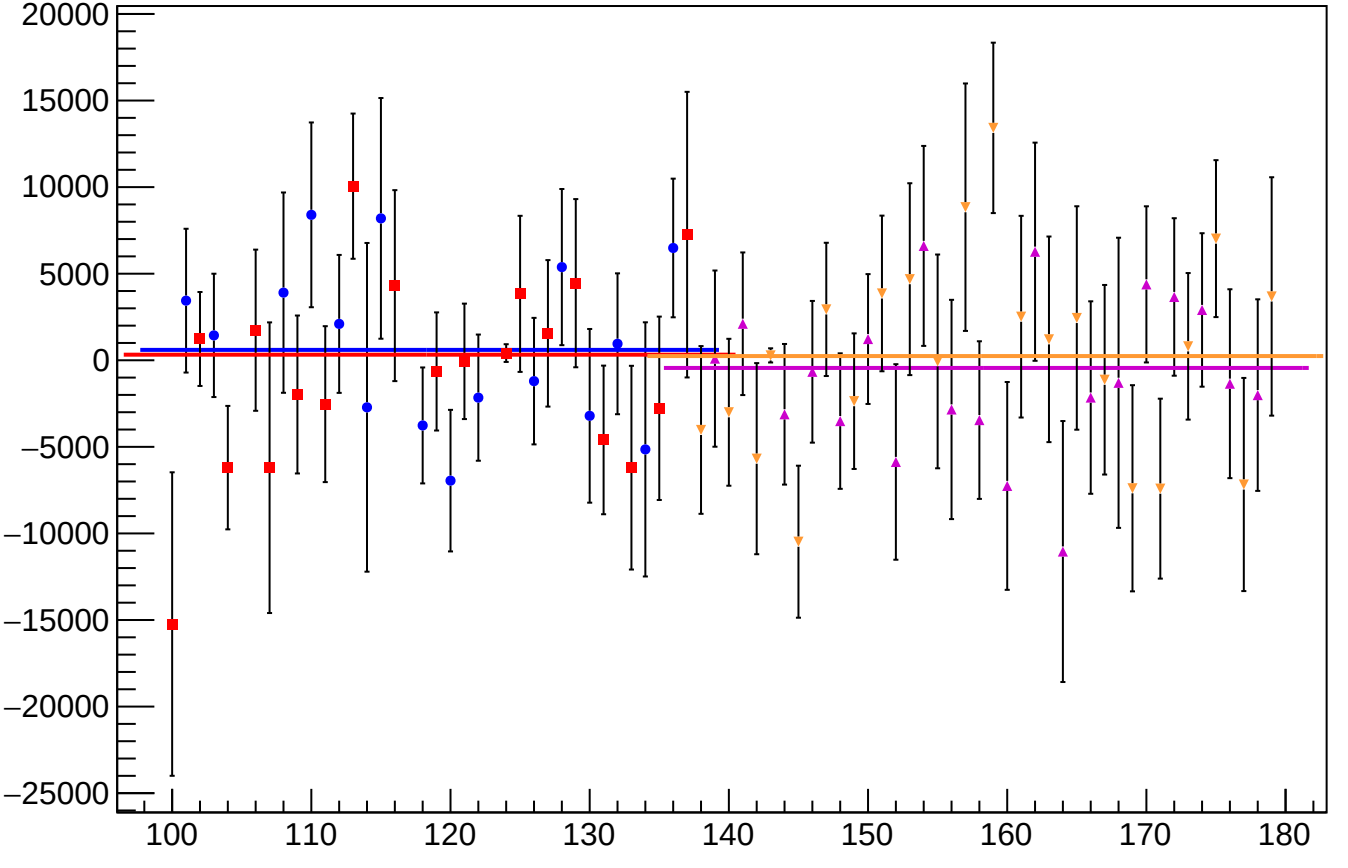
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1820.315+/-0.267 χ^2/NDF:752850.5/35

Out: 1829.368+/-0.262 χ^2/NDF:642564.3/40

All: 1824.941+/-0.187 χ^2/NDF: 1396000.8/76

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 243.332+/-383.722 χ^2/NDF:27.5/21

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -442.942+/-1103.721 χ^2/NDF:11.8/19

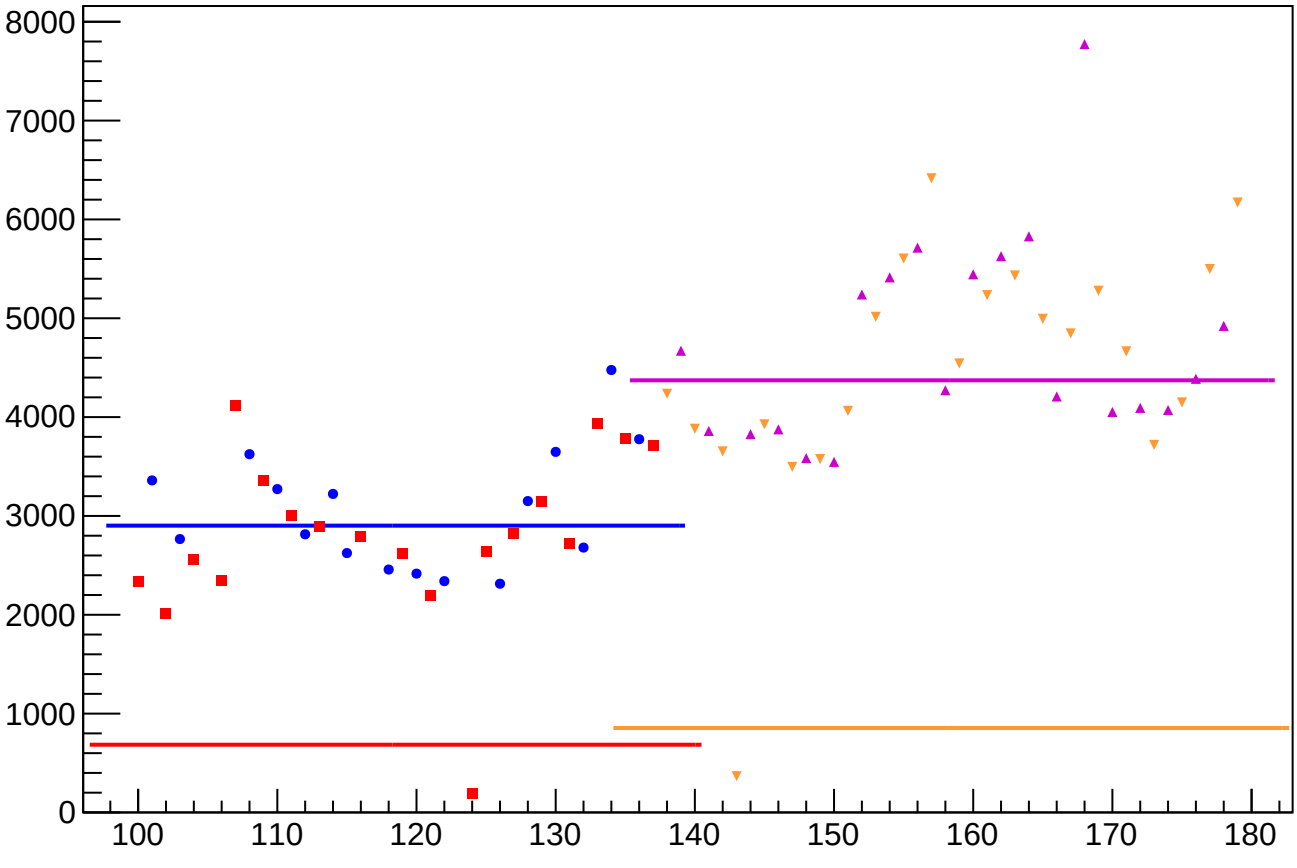
Left: 169.328+/-362.443 χ^2/NDF: 39.6/41

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 80.332+/-779.174 χ^2/NDF:27.1/35

Out: 276.185+/-294.361 χ^2/NDF:46.5/40

All: 251.724+/-275.366 χ^2/NDF: 73.6/76



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 854.360+/-0.271 χ^2/NDF:24595578.4/21

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

Left: 1233.711+/-0.256 χ^2/NDF: 43802721.4/41

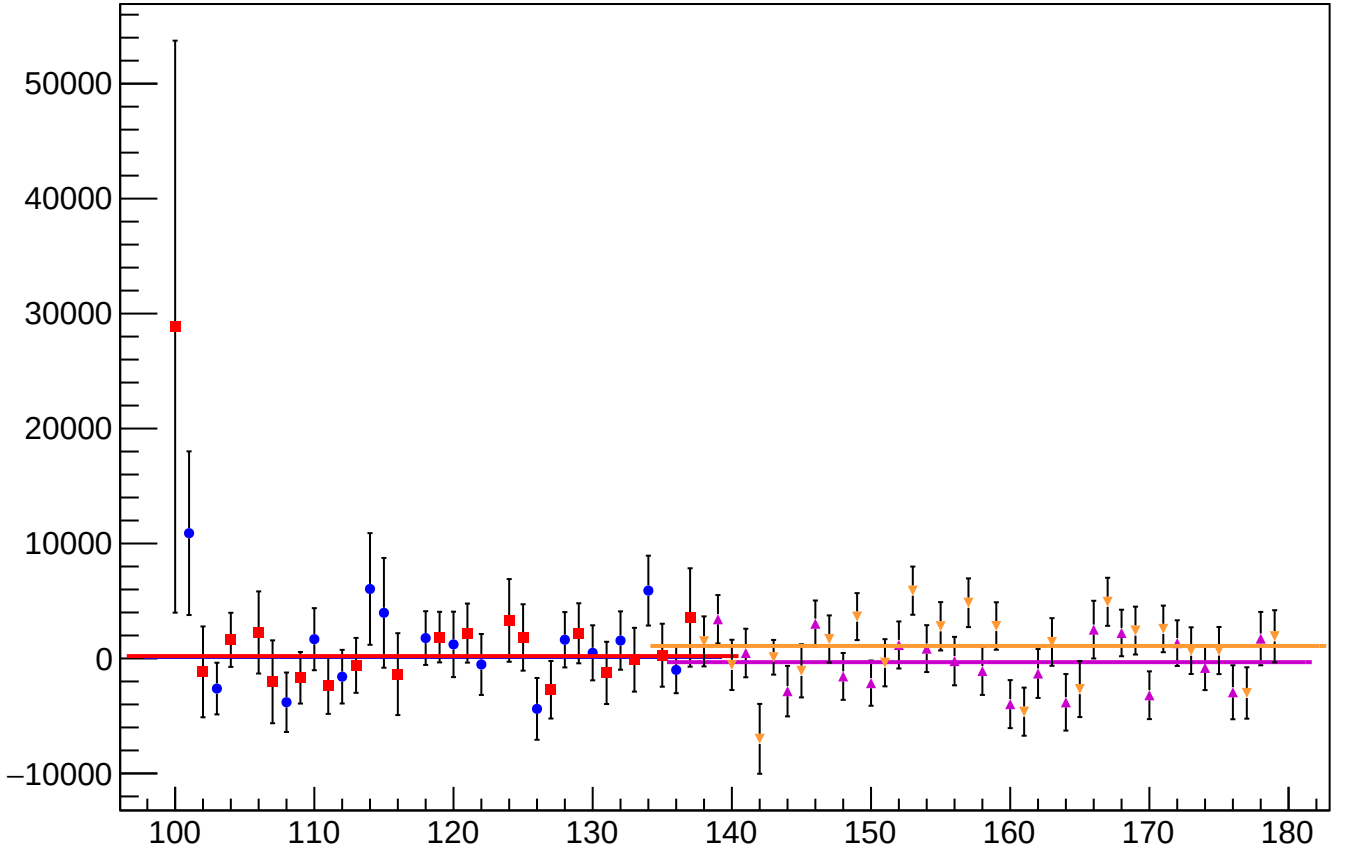
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3634.650+/-0.551 χ^2/NDF:3341960.4/35

Out: 784.769+/-0.208 χ^2/NDF:34861218.9/40

All: 1140.711+/-0.195 χ^2/NDF: 61617058.3/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1089.677+/-447.691 χ^2/NDF:38.7/21

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -320.950+/-472.645 χ^2/NDF:22.4/19

Left: 422.584+/-325.029 χ^2/NDF: 65.8/41

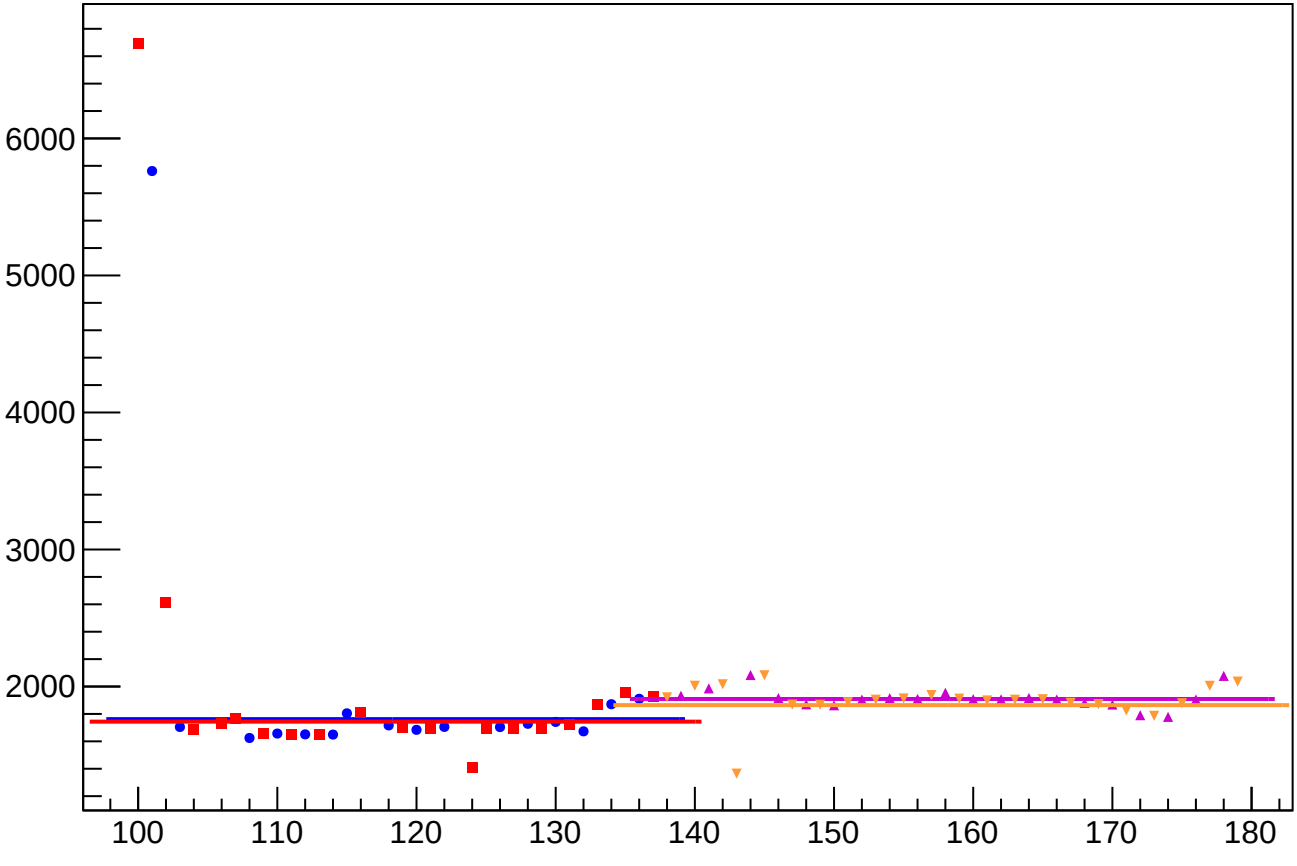
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -170.317+/-386.526 χ^2/NDF:40.0/35

Out: 807.791+/-369.505 χ^2/NDF:49.6/40

All: 340.746+/-267.094 χ^2/NDF: 93.0/76

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.289+/-0.317 χ^2/NDF:282559.6/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1909.174+/-0.334 χ^2/NDF:46416.9/19

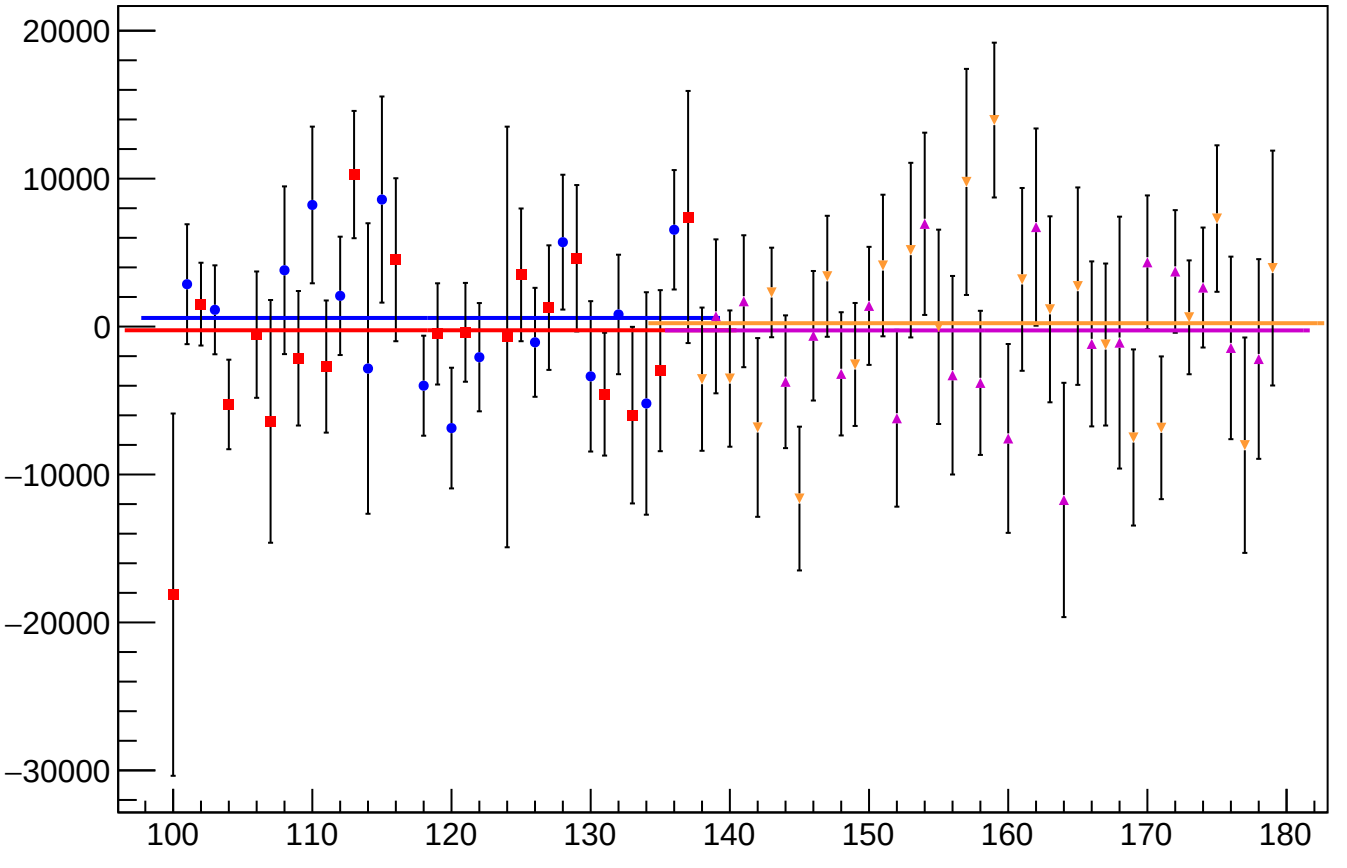
Left: 1885.515+/-0.230 χ^2/NDF: 338483.6/41

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1860.445+/-0.273 χ^2/NDF:778296.9/35

Out: 1825.703+/-0.261 χ^2/NDF:556743.5/40

All: 1842.276+/-0.189 χ^2/NDF: 1343490.1/76



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 228.045+/-1080.169 χ^2/NDF:27.8/21

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -259.644+/-1152.156 χ^2/NDF:11.7/19

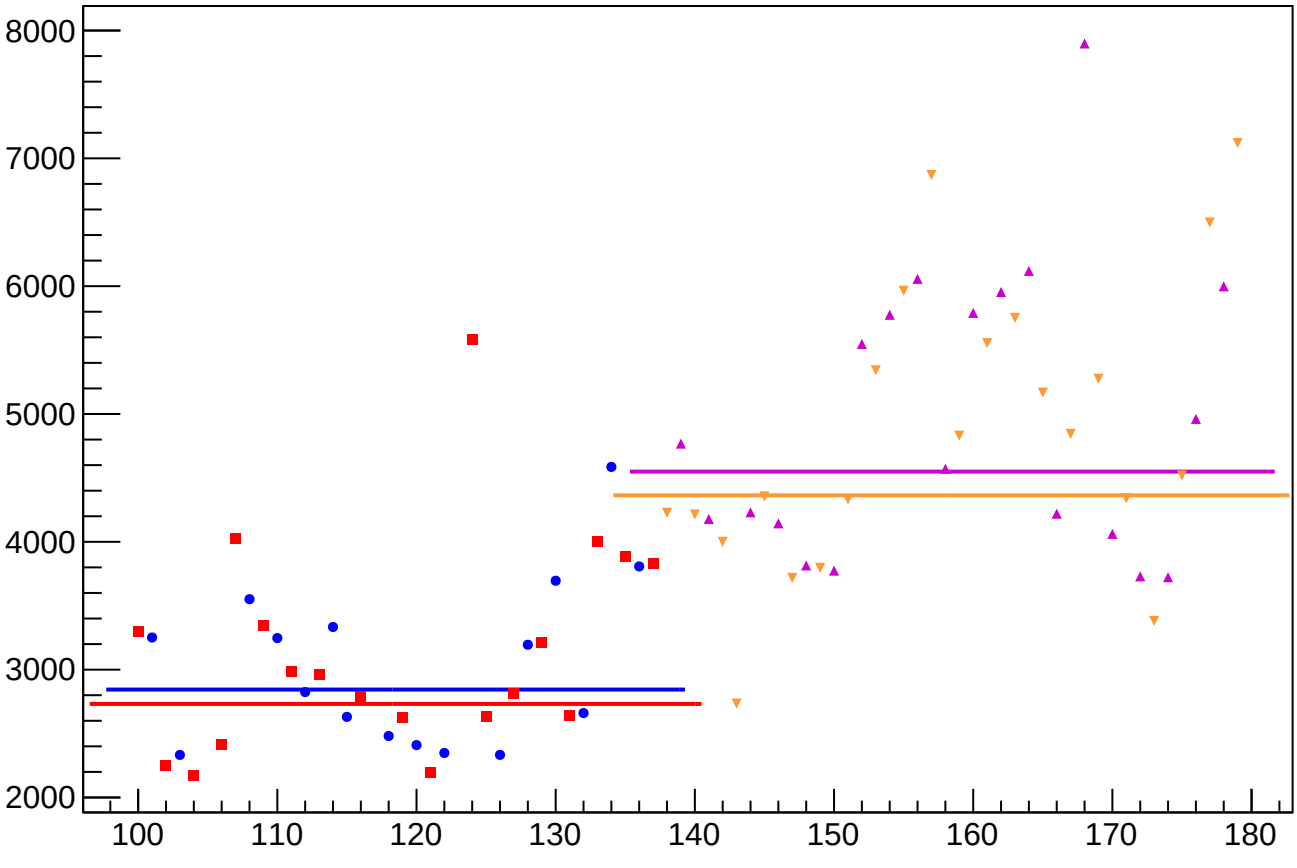
Left: -0.089+/-788.016 χ^2/NDF: 39.6/41

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 187.901+/-788.525 χ^2/NDF:26.9/35

Out: -24.544+/-741.997 χ^2/NDF:45.8/40

All: 75.226+/-540.371 χ^2/NDF: 72.7/76



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4363.922+/-0.764 χ^2/NDF:1890674.5/21

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4549.409+/-0.815 χ^2/NDF:1263265.7/19

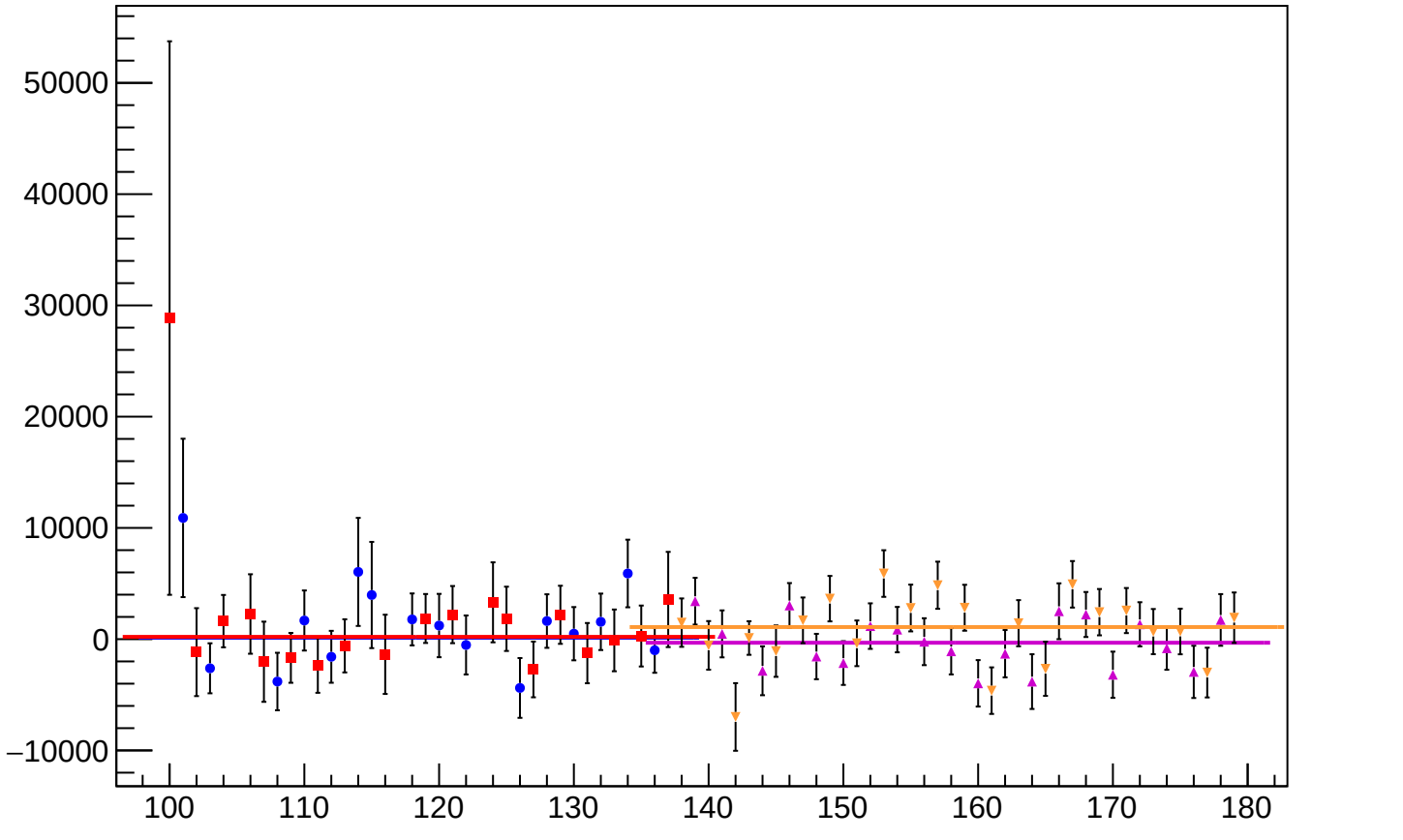
Left: 4450.690+/-0.557 χ^2/NDF: 3181528.3/41

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3642.878+/-0.558 χ^2/NDF:4134352.2/35

Out: 3502.040+/-0.525 χ^2/NDF:4912961.6/40

All: 3568.182+/-0.382 χ^2/NDF: 9081152.9/76



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1089.678+/-447.691 χ^2/NDF:38.7/21

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -320.952+/-472.646 χ^2/NDF:22.4/19

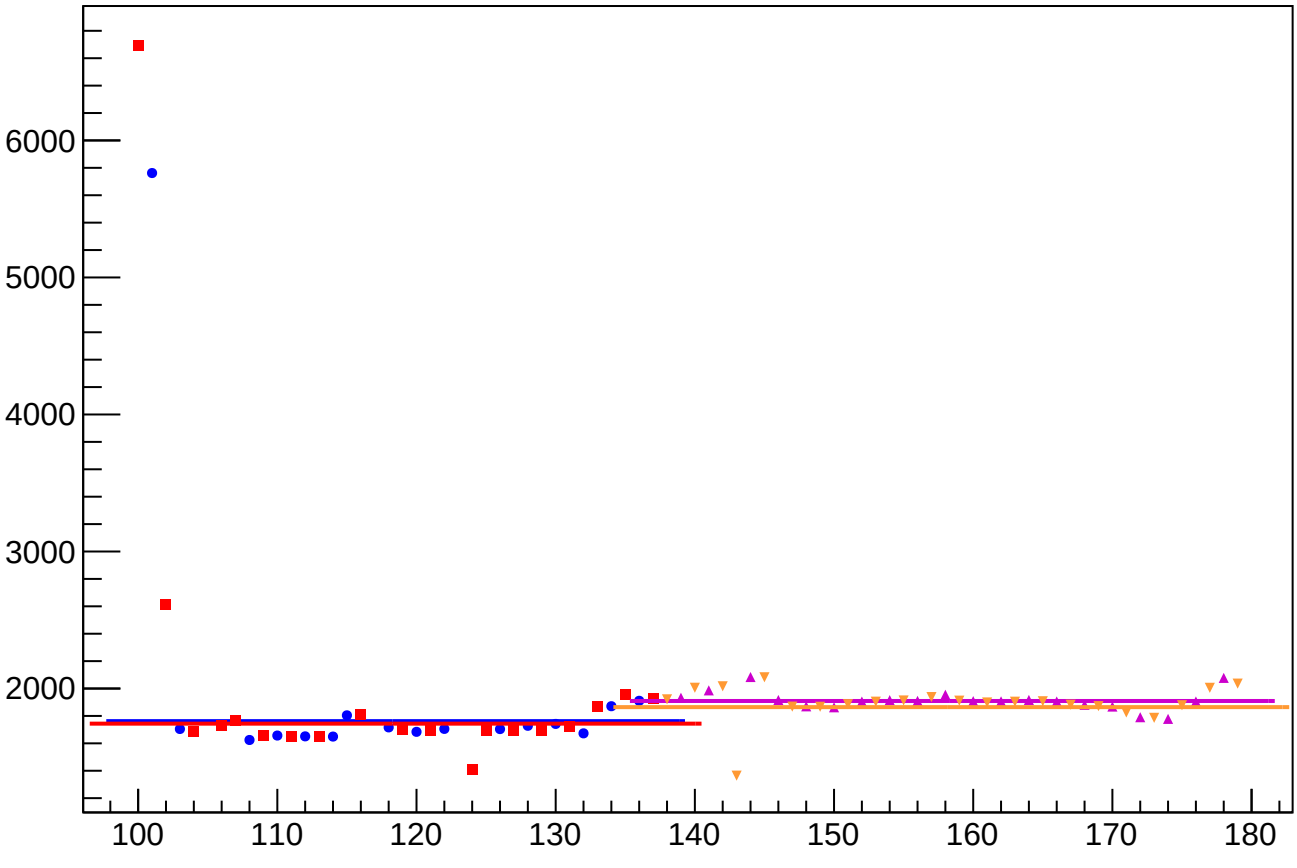
Left: 422.584+/-325.029 χ^2/NDF: 65.8/41

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -170.319+/-386.526 χ^2/NDF:40.0/35

Out: 807.792+/-369.505 χ^2/NDF:49.6/40

All: 340.746+/-267.094 χ^2/NDF: 93.0/76



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1864.290+/-0.317 χ^2/NDF:282563.2/21

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1909.175+/-0.334 χ^2/NDF:46419.0/19

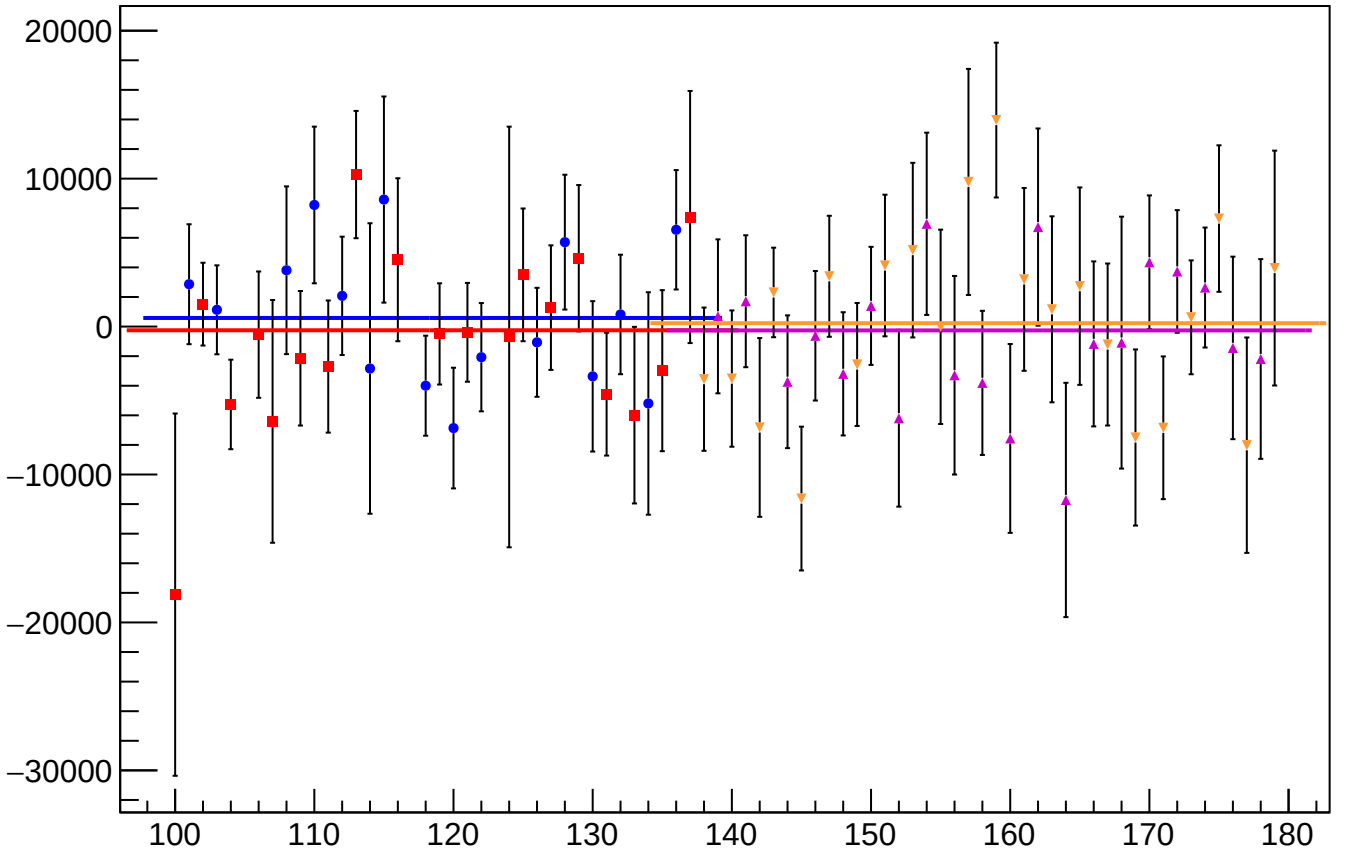
Left: 1885.516+/-0.230 χ^2/NDF: 338489.2/41

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1860.445+/-0.273 χ^2/NDF:778299.7/35

Out: 1825.704+/-0.261 χ^2/NDF:556747.8/40

All: 1842.277+/-0.189 χ^2/NDF: 1343497.1/76



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 228.048+/-1080.171 χ^2/NDF:27.8/21

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -259.645+/-1152.158 χ^2/NDF:11.7/19

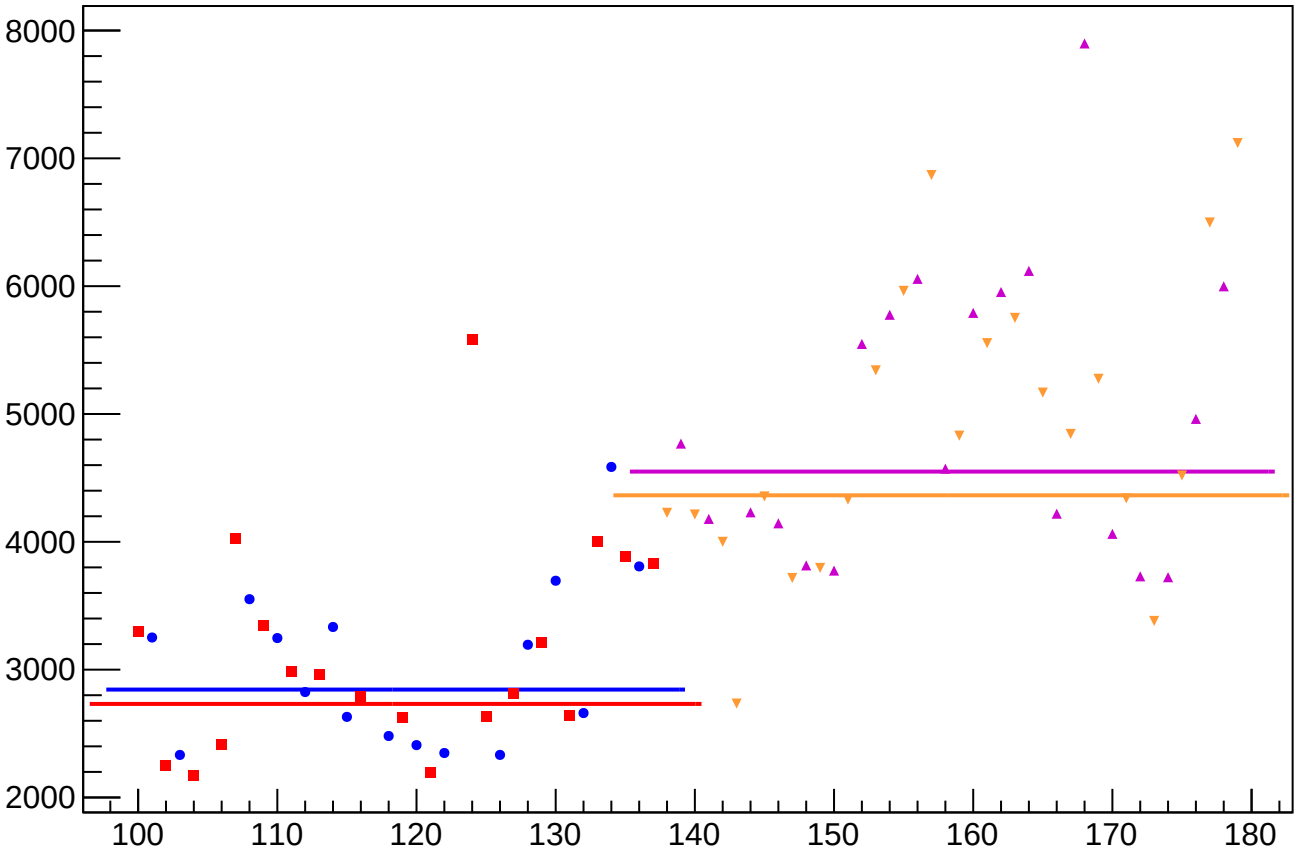
Left: -0.088+/-788.017 χ^2/NDF: 39.6/41

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 187.899+/-788.524 χ^2/NDF:26.9/35

Out: -24.544+/-741.997 χ^2/NDF:45.8/40

All: 75.226+/-540.371 χ^2/NDF: 72.7/76



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4363.929+/-0.764 χ^2/NDF:1890679.5/21

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4549.417+/-0.815 χ^2/NDF:1263265.8/19

Left: 4450.697+/-0.557 χ^2/NDF: 3181533.6/41

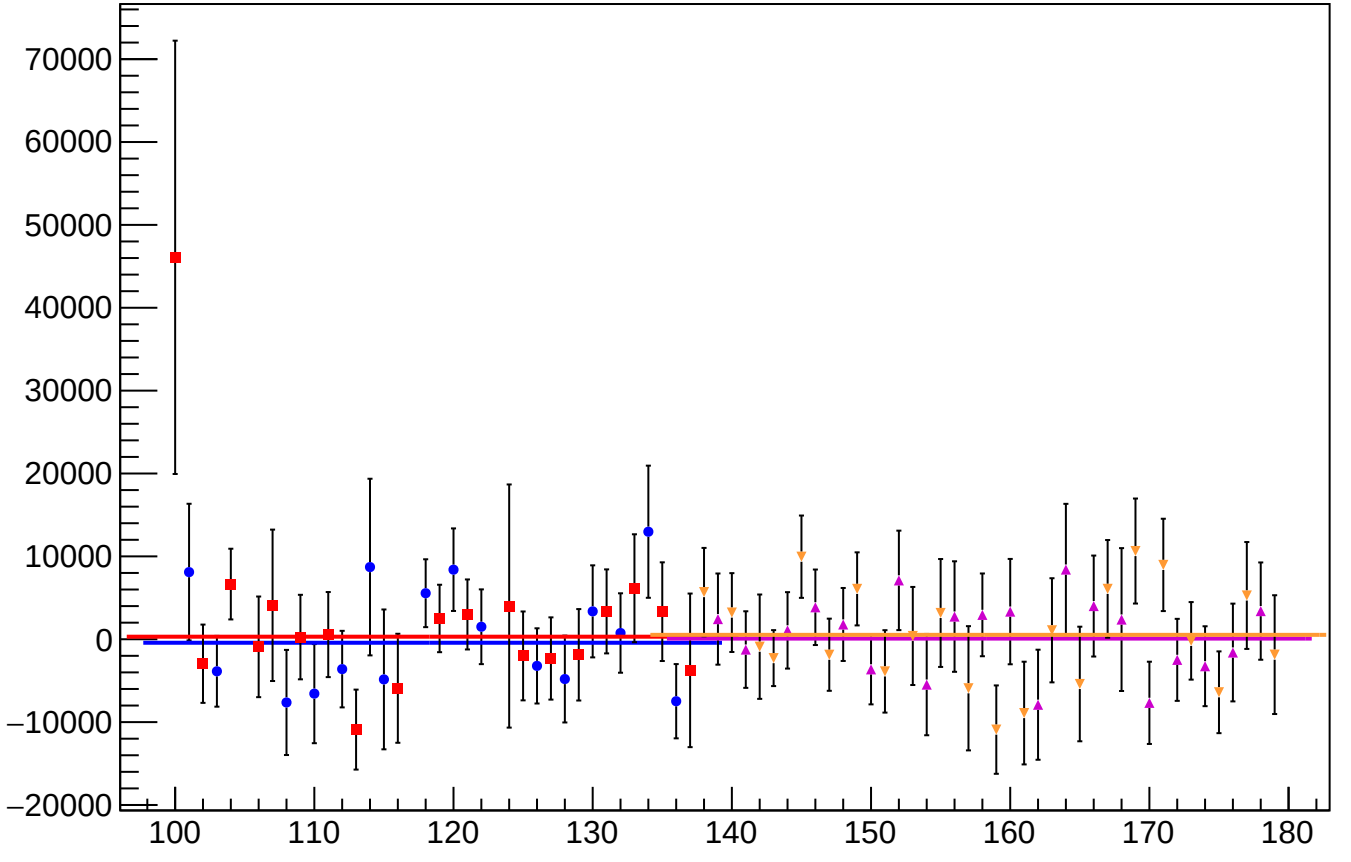
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3642.874+/-0.558 χ^2/NDF:4134399.9/35

Out: 3502.038+/-0.525 χ^2/NDF:4913001.9/40

All: 3568.178+/-0.382 χ^2/NDF: 9081240.4/76

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 530.530+/-1138.730 χ^2/NDF:25.2/21

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 78.231+/-1207.570 χ^2/NDF:11.5/19

Left: 317.640+/-828.472 χ^2/NDF: 36.8/41

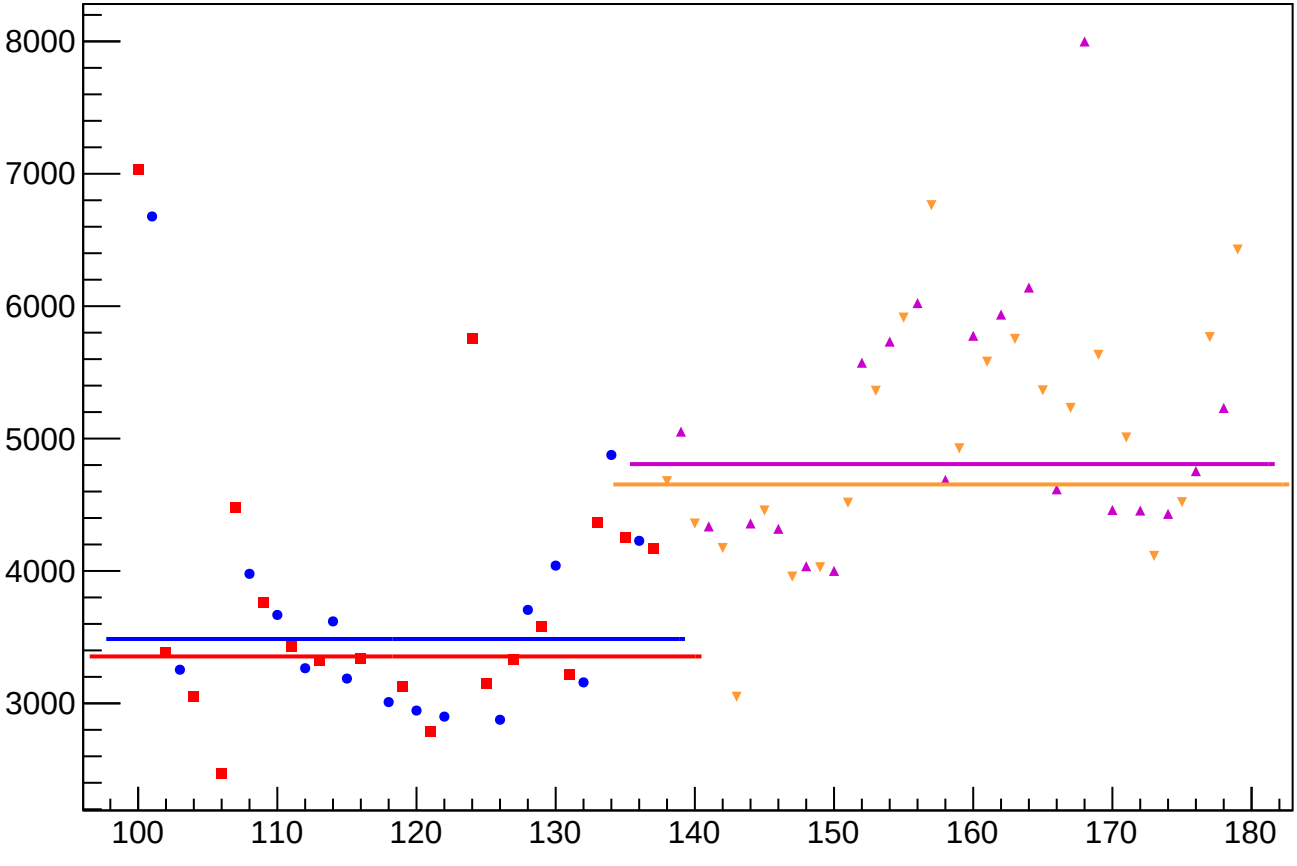
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -148.830+/-893.204 χ^2/NDF:29.5/35

Out: 431.772+/-849.522 χ^2/NDF:40.5/40

All: 156.015+/-615.566 χ^2/NDF: 70.2/76

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4653.494+/-0.805 χ^2/NDF:1246363.8/21

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4807.212+/-0.854 χ^2/NDF:826649.2/19

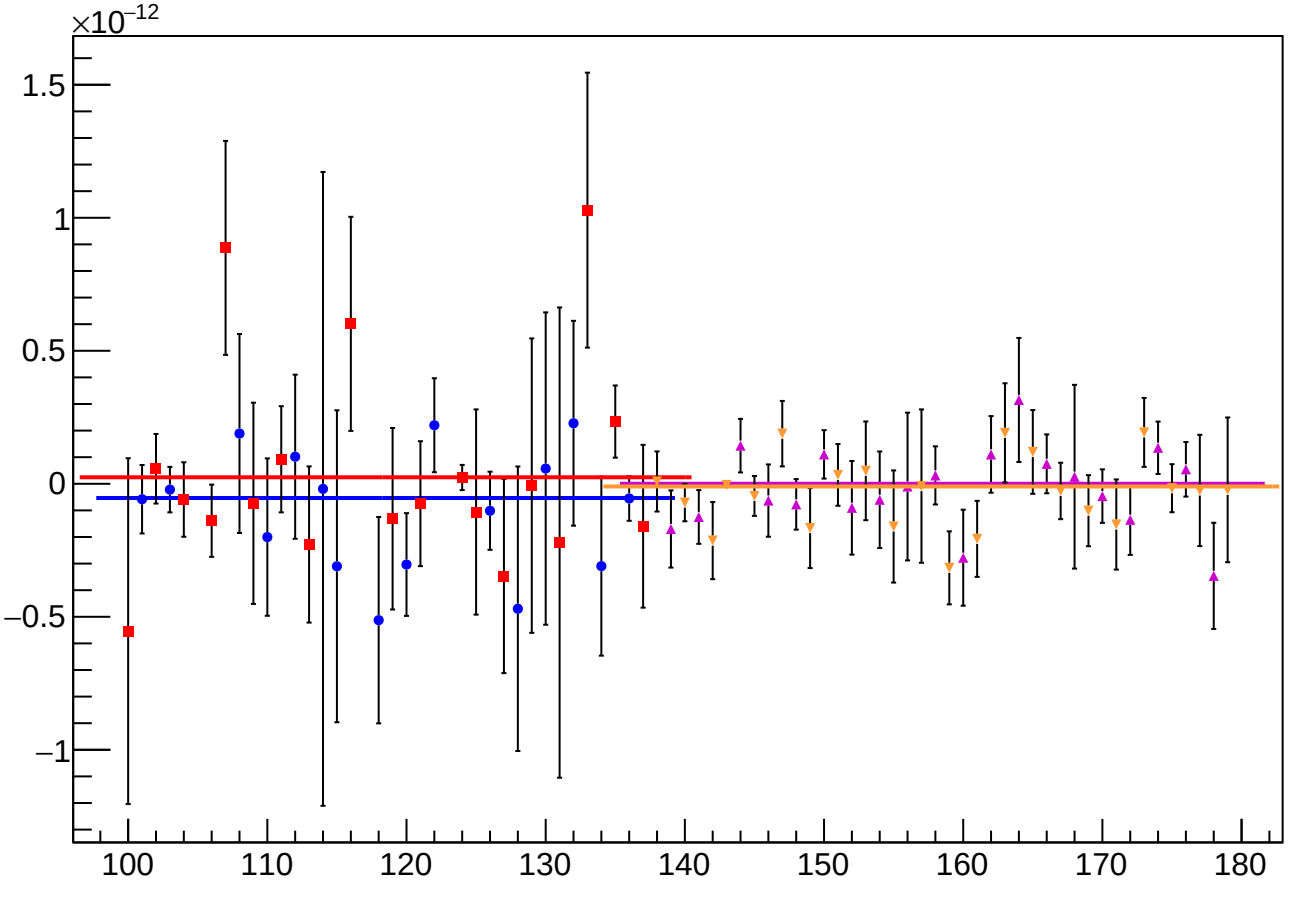
Left: 4725.847+/-0.586 χ^2/NDF: 2090167.1/41

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4208.926+/-0.632 χ^2/NDF:2506446.5/35

Out: 4068.413+/-0.597 χ^2/NDF:2795083.7/40

All: 4134.710+/-0.434 χ^2/NDF: 5327672.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/19

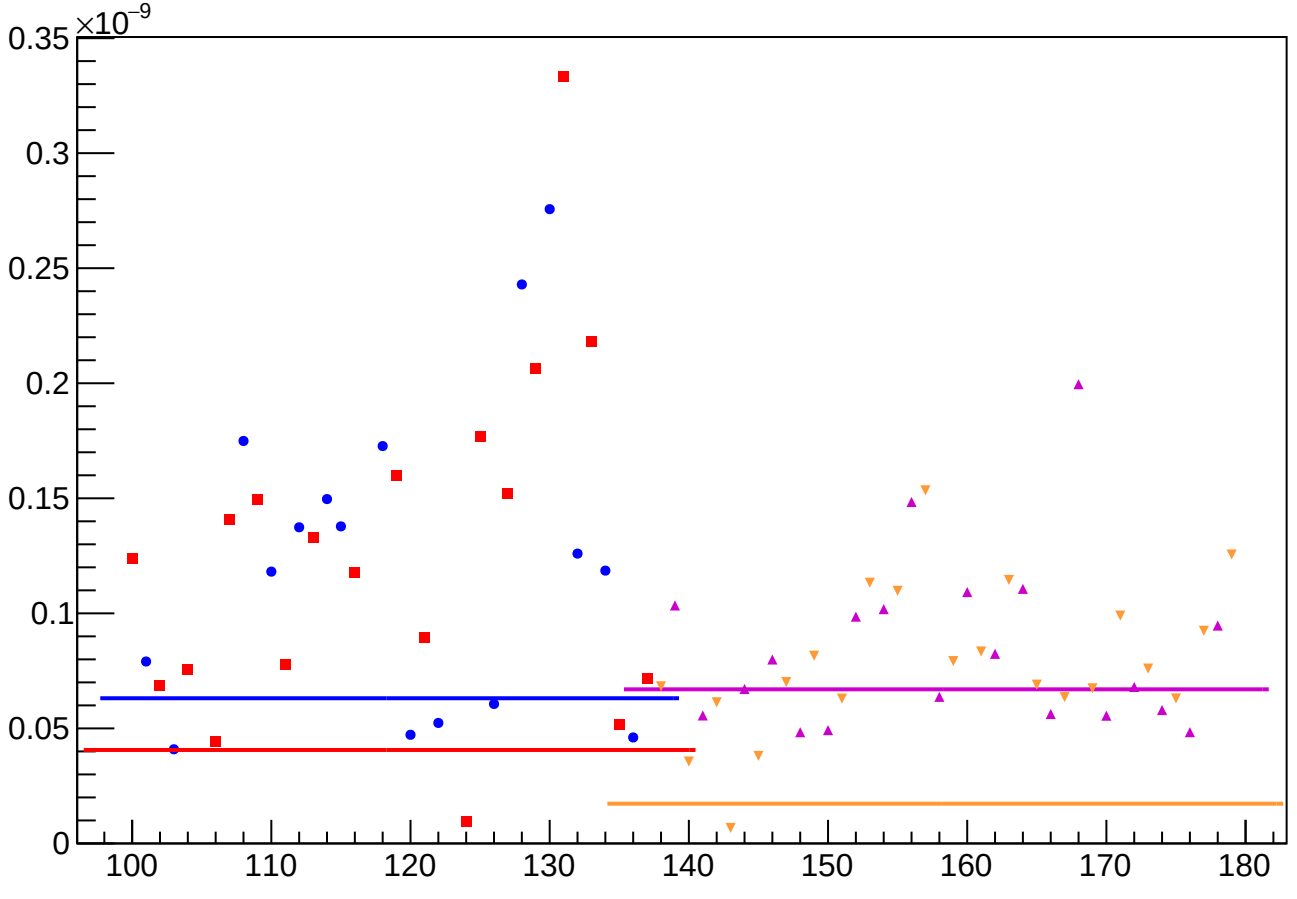
Left: -0.000+/-0.000 χ^2/NDF: 39.5/41

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:29.0/35

Out: -0.000+/-0.000 χ^2/NDF:39.2/40

All: -0.000+/-0.000 χ^2/NDF: 68.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8849478.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1297880.2/19

Left: 0.000+/-0.000 χ^2/NDF: 15441497.5/41

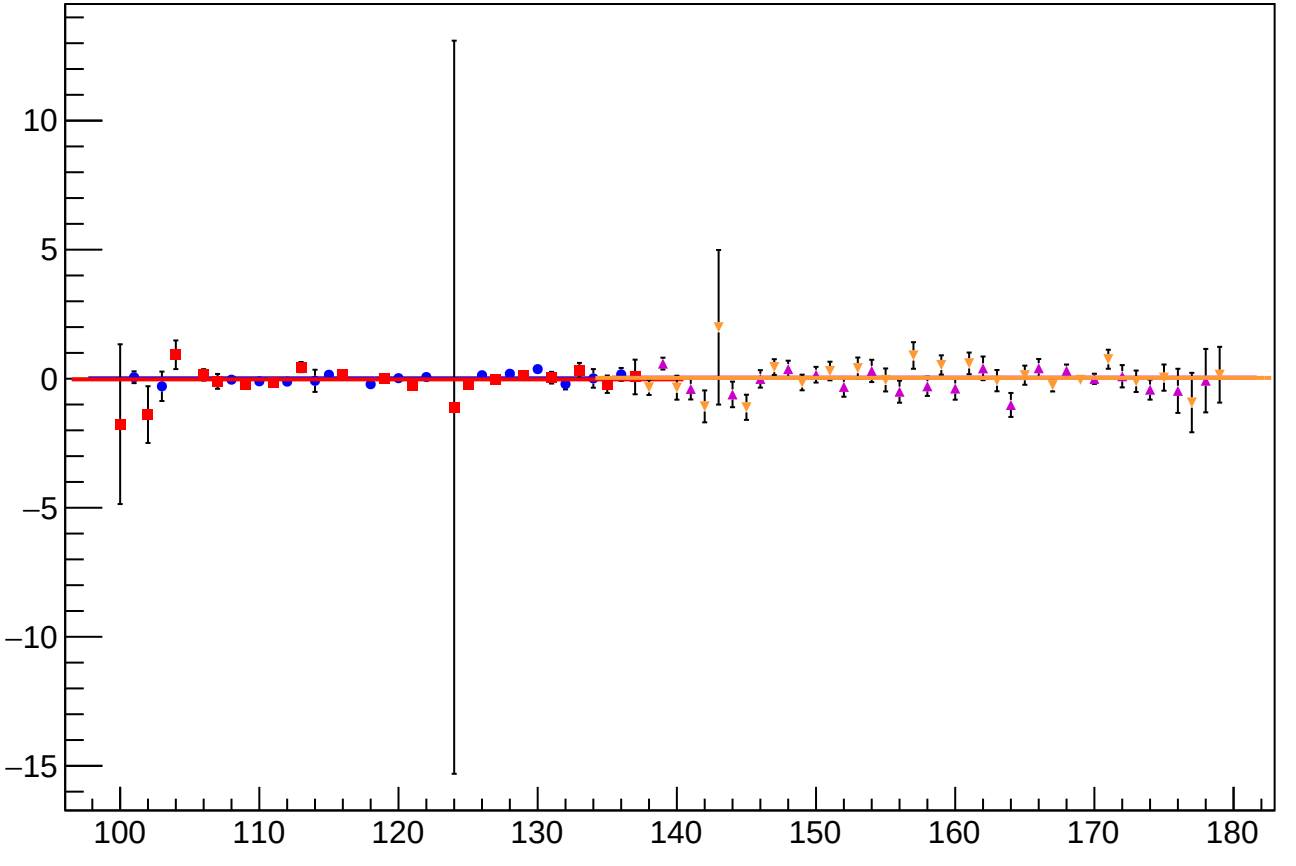
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2740737.3/35

Out: 0.000+/-0.000 χ^2/NDF:12792991.9/40

All: 0.000+/-0.000 χ^2/NDF: 21744931.6/76

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.041+/-0.078 χ^2/NDF:24.3/19

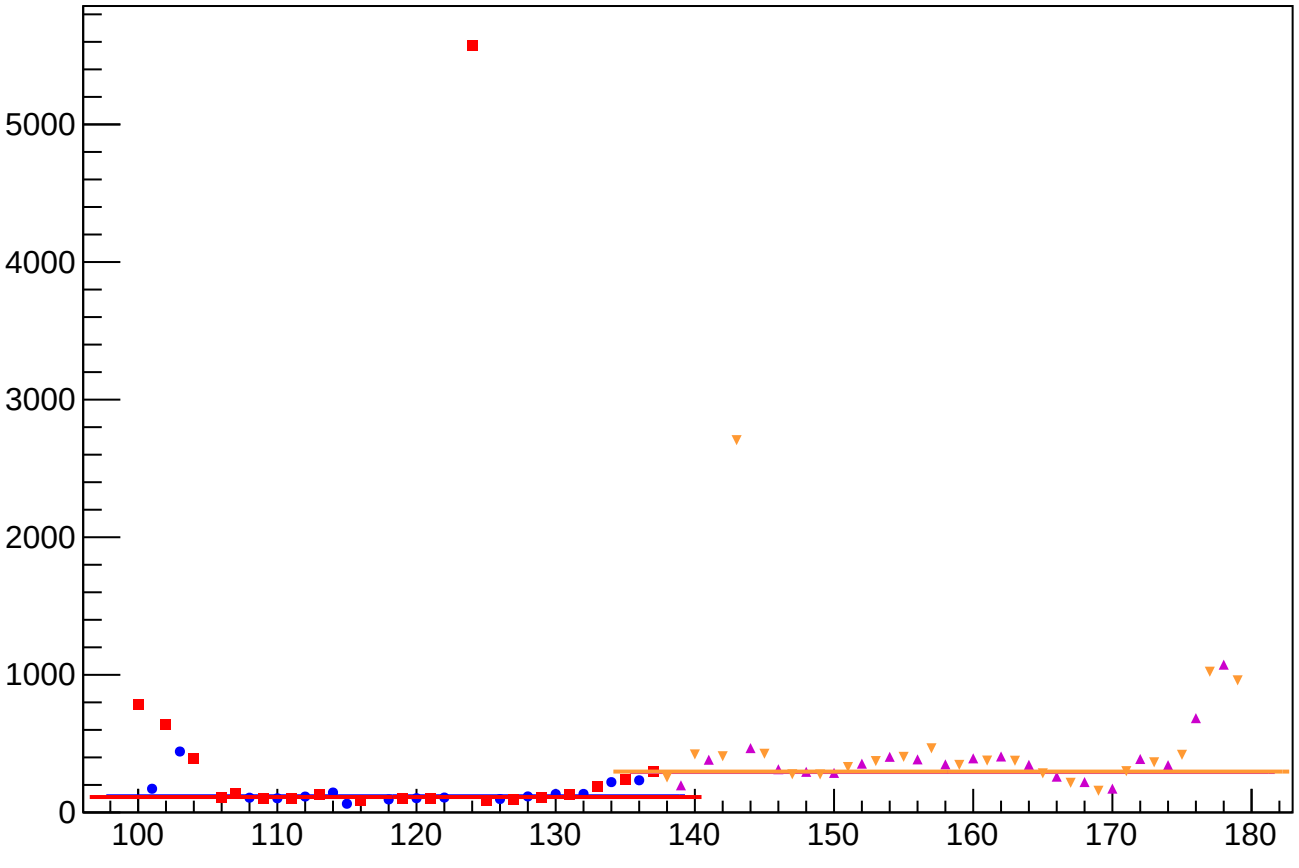
Left: 0.037+/-0.056 χ^2/NDF: 51.9/41

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.006+/-0.029 χ^2/NDF: 86.6/76



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 293.772+/-0.055 χ^2/NDF:3587220.2/19

Left: 295.375+/-0.039 χ^2/NDF: 9060558.1/41

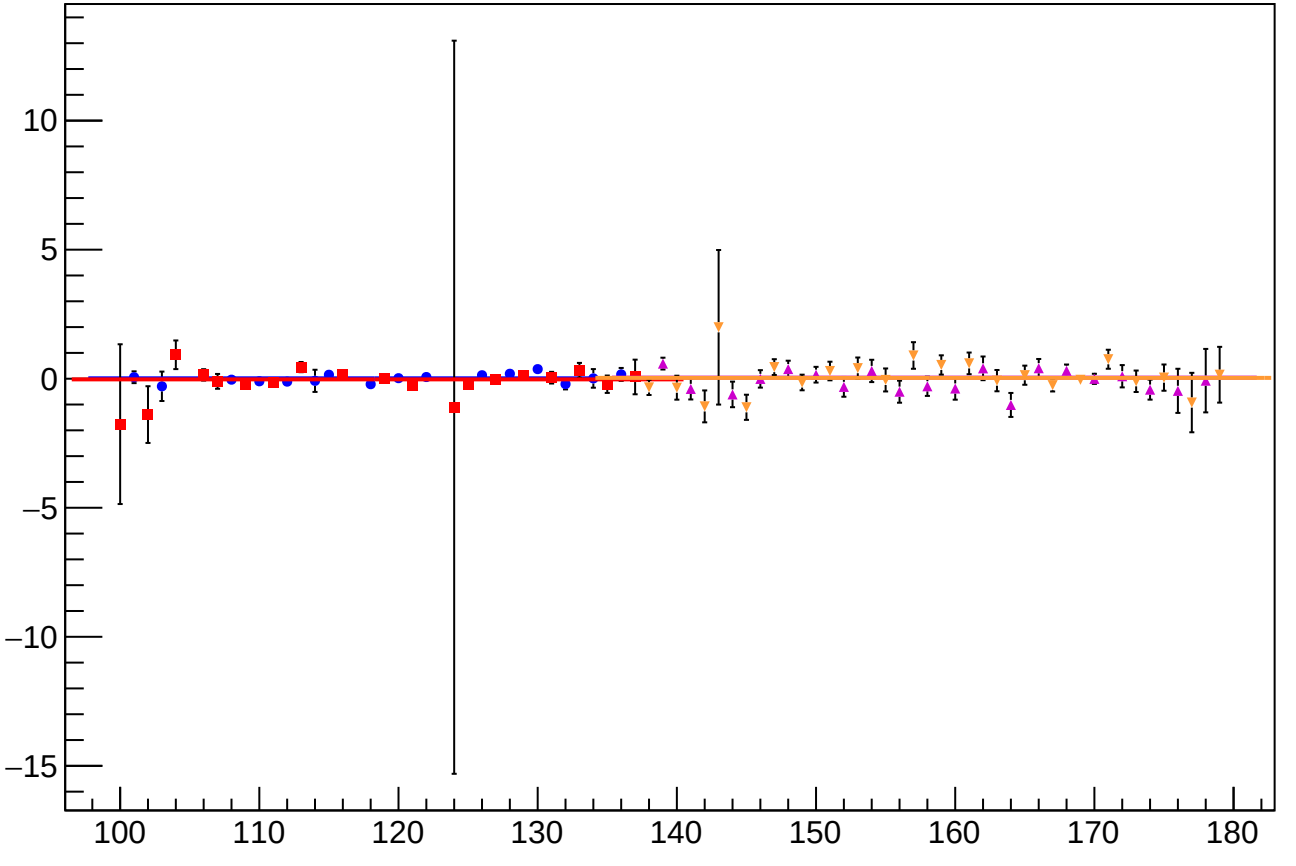
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 165.539+/-0.029 χ^2/NDF:12663780.5/35

Out: 160.203+/-0.028 χ^2/NDF:15760041.8/40

All: 162.833+/-0.020 χ^2/NDF: 28441111.7/76

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.041+/-0.078 χ^2/NDF:24.3/19

Left: 0.037+/-0.056 χ^2/NDF: 51.9/41

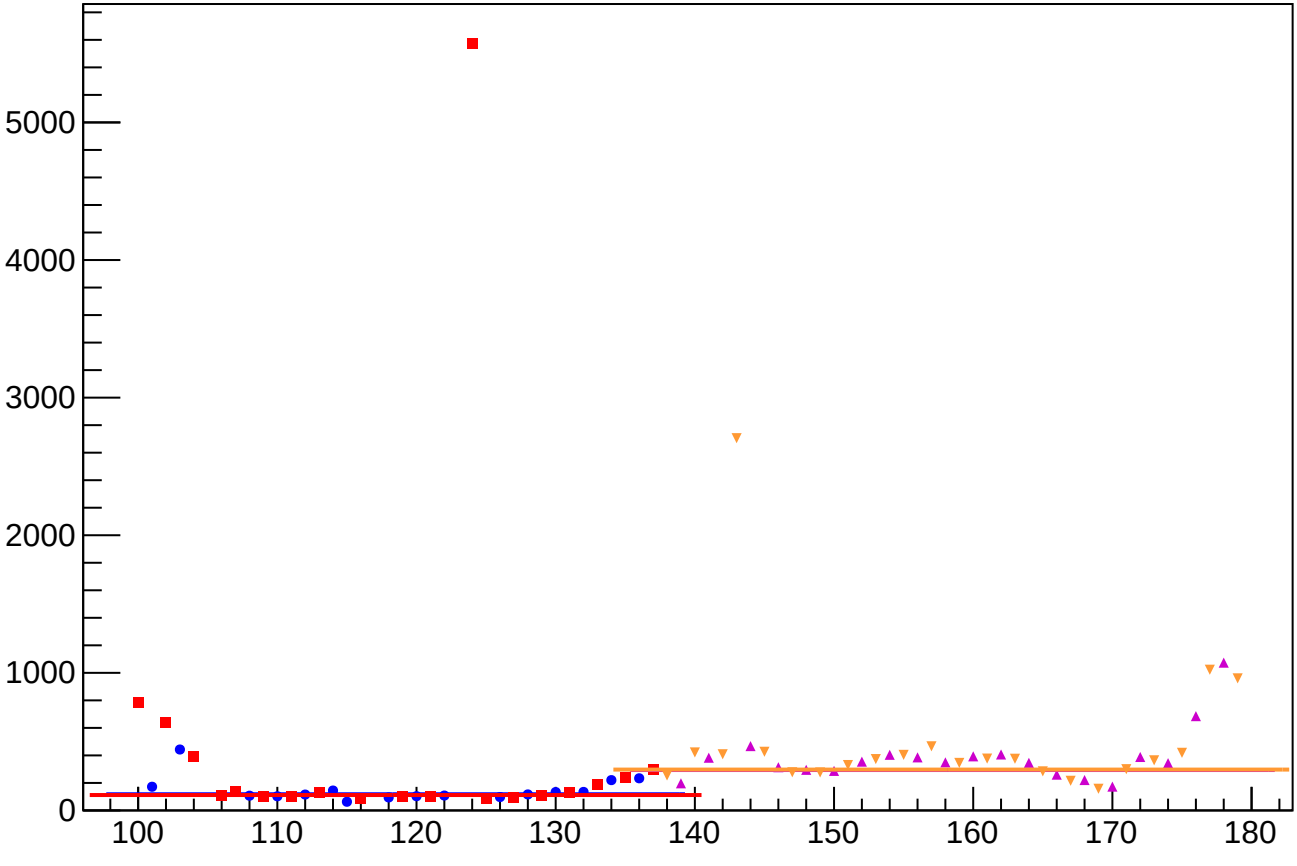
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.006+/-0.029 χ^2/NDF: 86.6/76

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 297.004+/-0.056 χ^2/NDF:5471650.8/21

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 293.772+/-0.055 χ^2/NDF:3587220.2/19

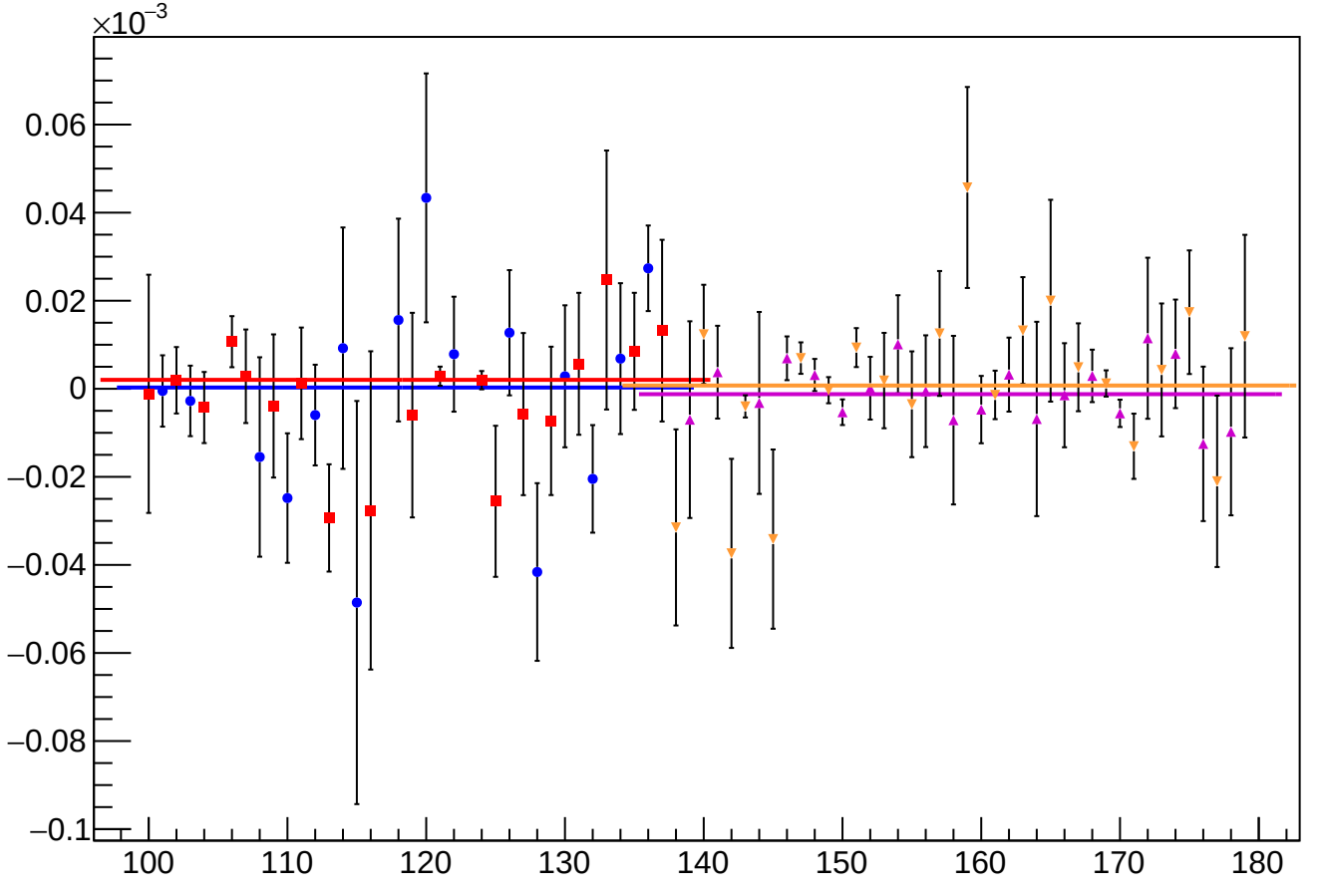
Left: 295.375+/-0.039 χ^2/NDF: 9060558.1/41

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 165.539+/-0.029 χ^2/NDF:12663780.5/35

Out: 160.203+/-0.028 χ^2/NDF:15760041.8/40

All: 162.833+/-0.020 χ^2/NDF: 28441111.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/19

Left: -0.000+/-0.000 χ^2/NDF: 46.3/41

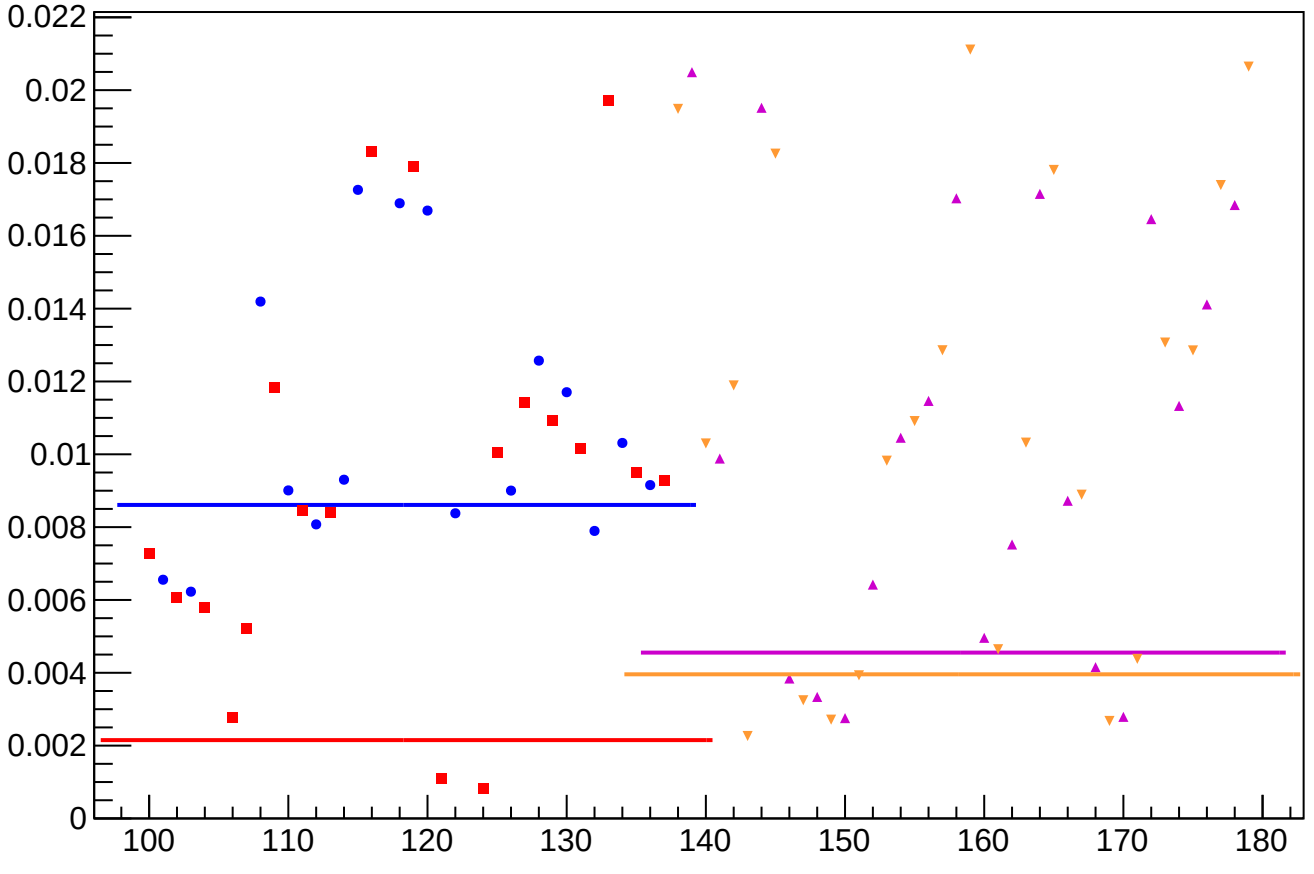
Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:36.5/35

Out: 0.000+/-0.000 χ^2/NDF:48.3/40

All: 0.000+/-0.000 χ^2/NDF: 86.9/76

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:13091322.5/21

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10440165.8/19

Left: 0.004+/-0.000 χ^2/NDF: 23723590.7/41

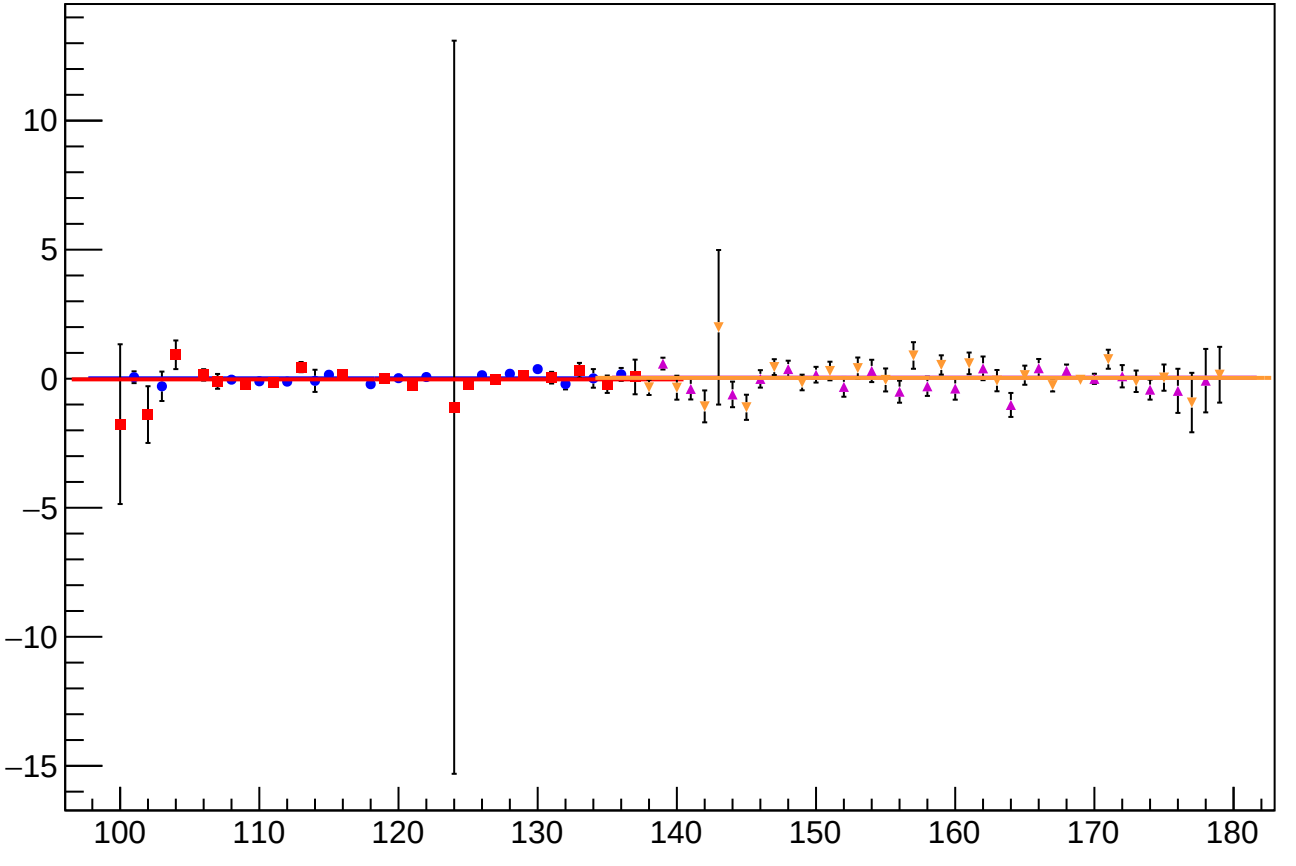
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:13989299.2/35

Out: 0.003+/-0.000 χ^2/NDF:24118833.5/40

All: 0.004+/-0.000 χ^2/NDF: 41402279.0/76

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.041+/-0.078 χ^2/NDF:24.3/19

Left: 0.037+/-0.056 χ^2/NDF: 51.9/41

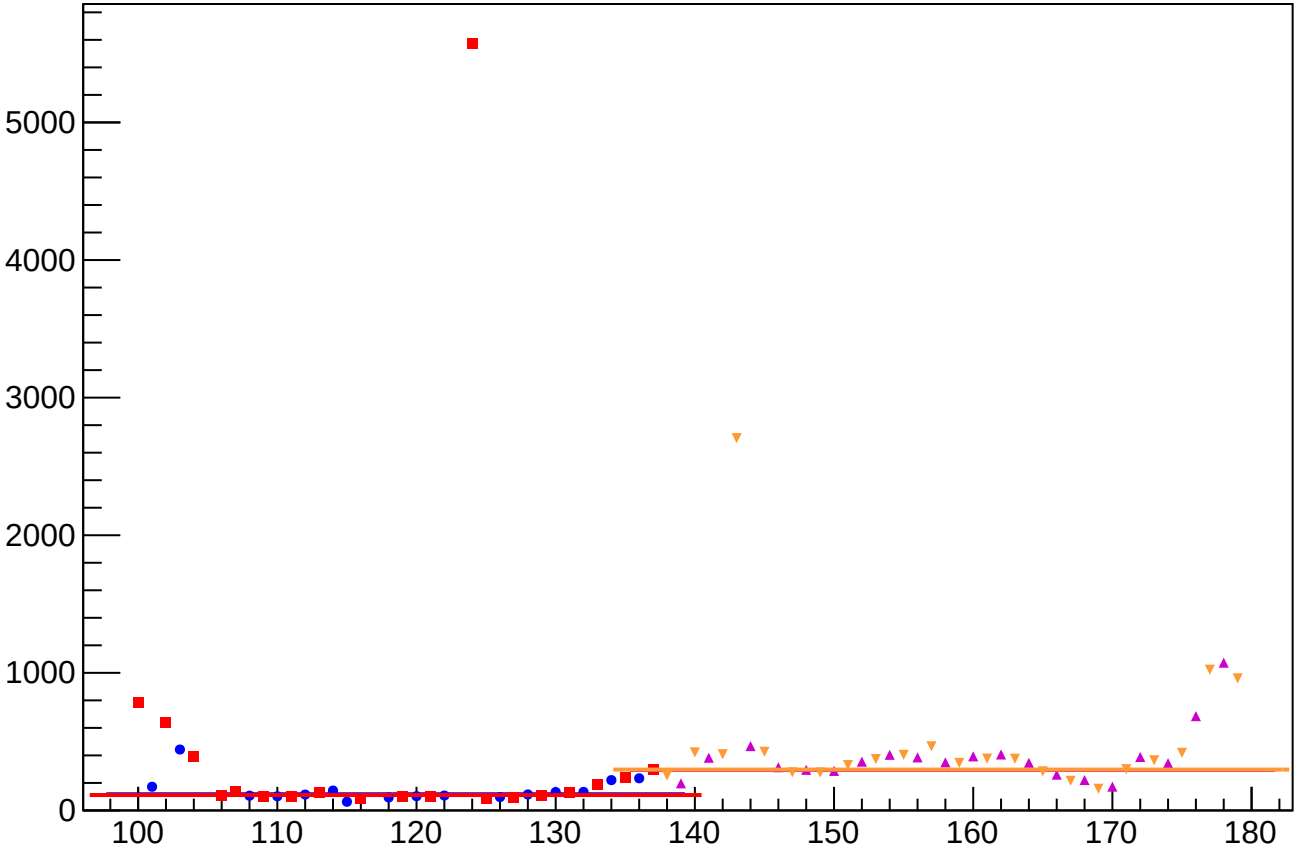
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.006+/-0.029 χ^2/NDF: 86.6/76

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 297.006+/-0.056 χ^2/NDF:5471719.4/21

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 293.775+/-0.055 χ^2/NDF:3587201.4/19

Left: 295.377+/-0.039 χ^2/NDF: 9060606.6/41

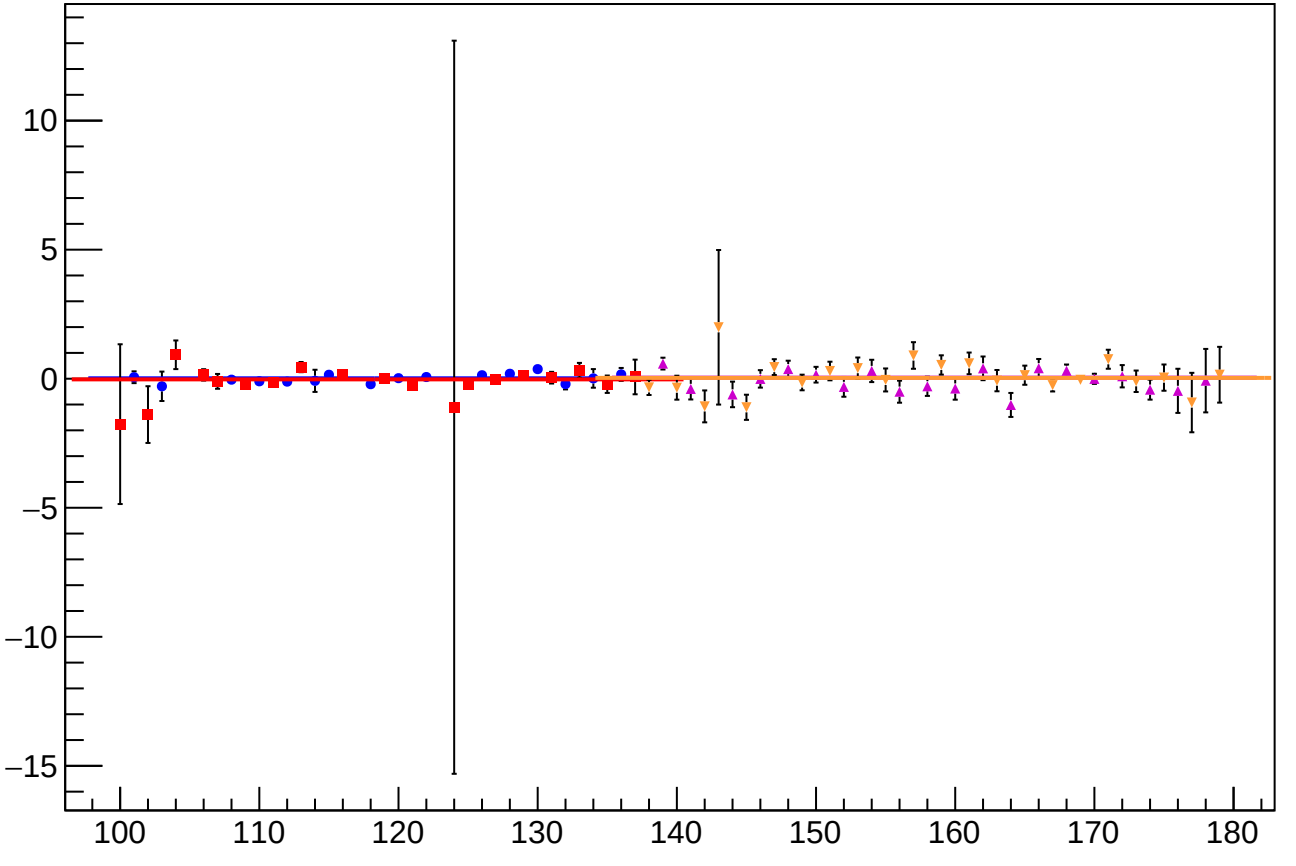
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 165.539+/-0.029 χ^2/NDF:12663861.3/35

Out: 160.205+/-0.028 χ^2/NDF:15759917.2/40

All: 162.834+/-0.020 χ^2/NDF: 28441055.7/76

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.032+/-0.079 χ^2/NDF:27.7/21

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.041+/-0.078 χ^2/NDF:24.3/19

Left: 0.037+/-0.056 χ^2/NDF: 51.9/41

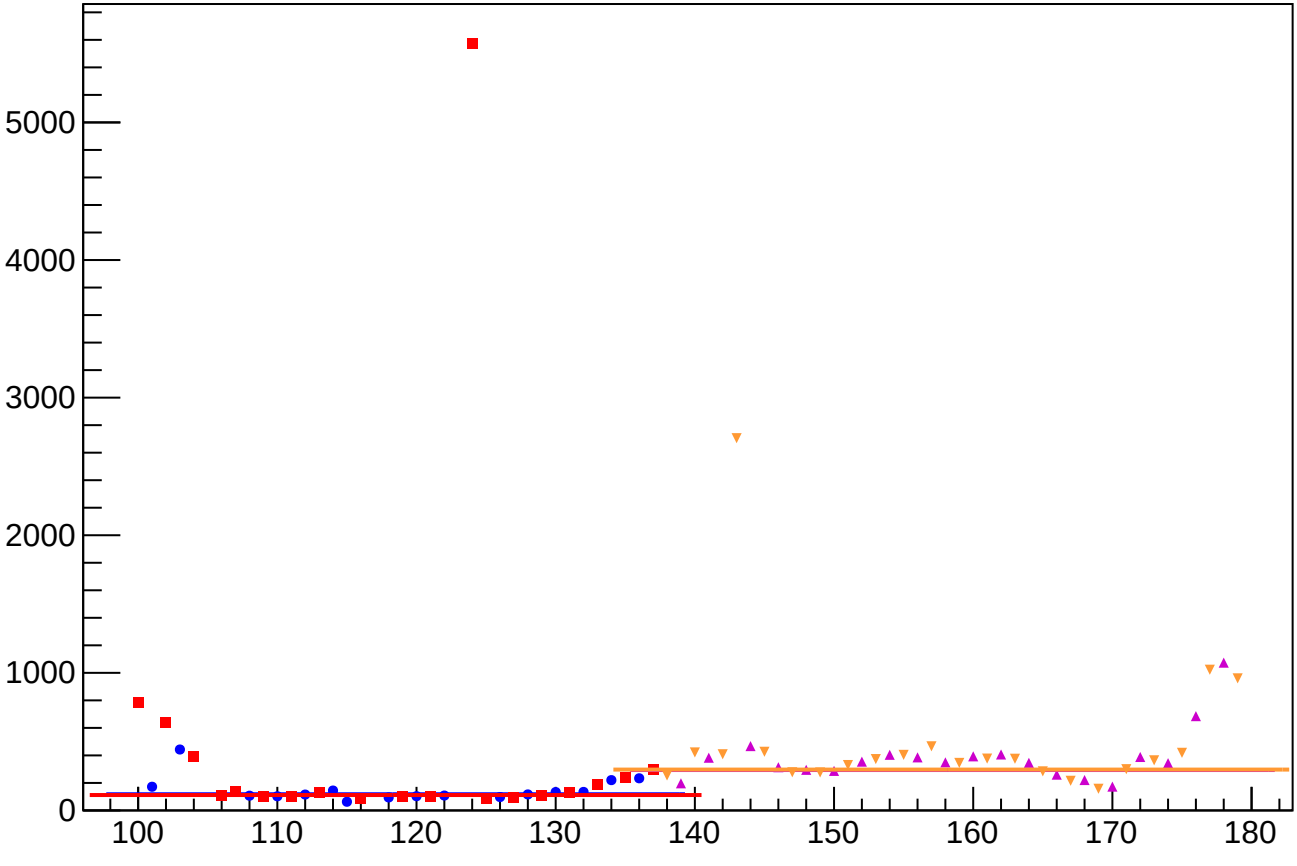
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/40

All: 0.006+/-0.029 χ^2/NDF: 86.6/76

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 297.006+/-0.056 χ^2/NDF:5471719.4/21

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 293.775+/-0.055 χ^2/NDF:3587201.4/19

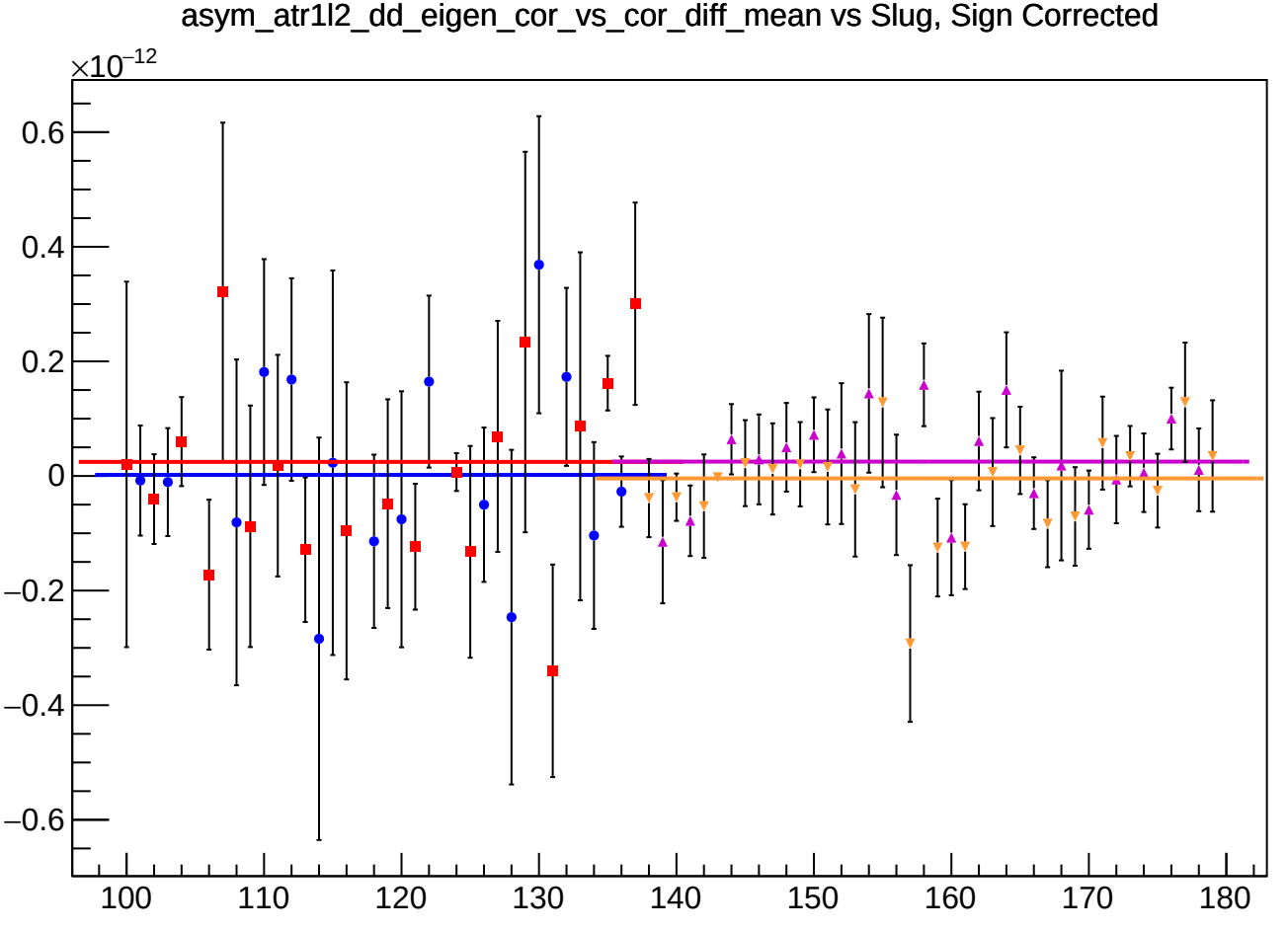
Left: 295.377+/-0.039 χ^2/NDF: 9060606.6/41

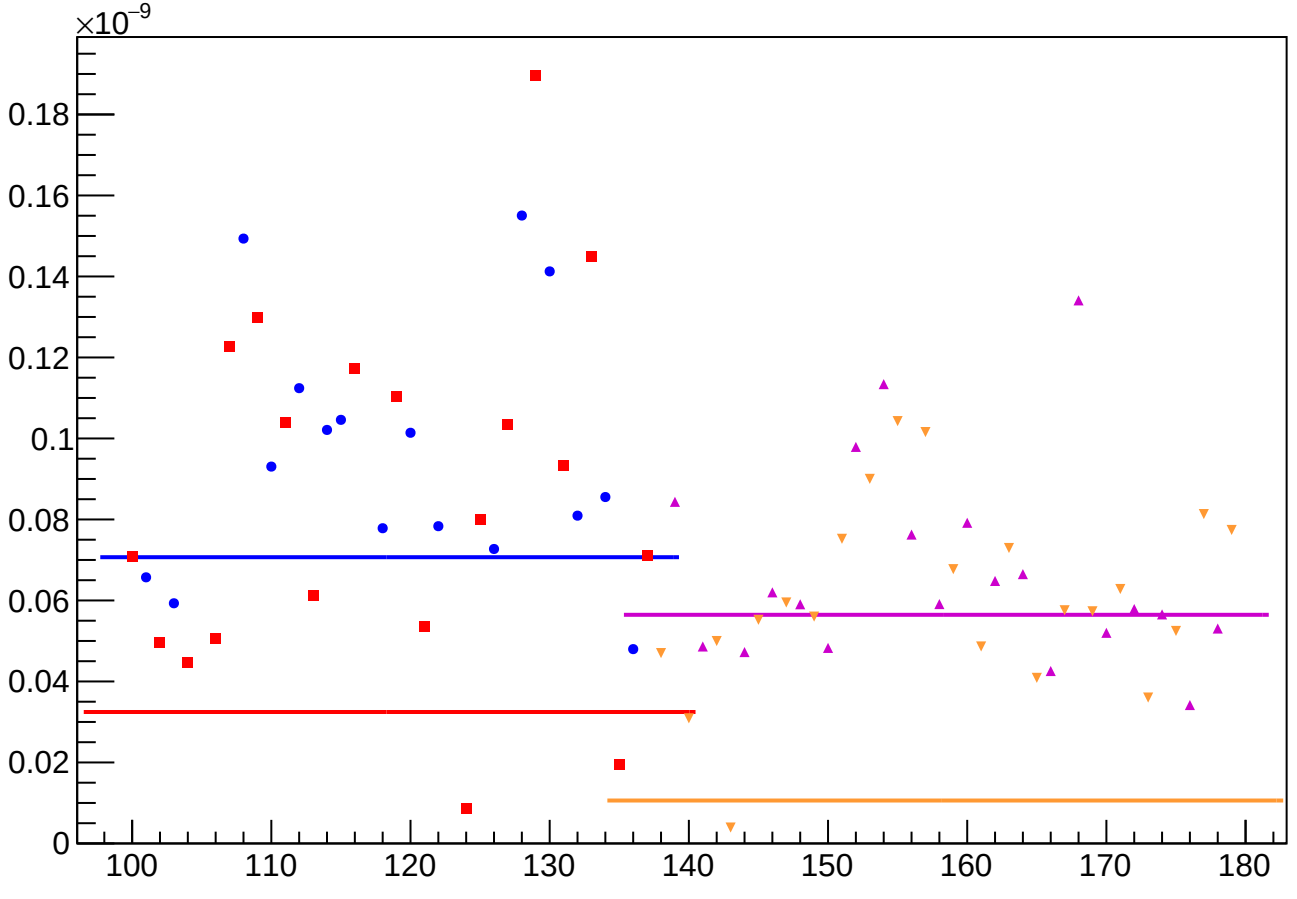
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 165.539+/-0.029 χ^2/NDF:12663861.3/35

Out: 160.205+/-0.028 χ^2/NDF:15759917.2/40

All: 162.834+/-0.020 χ^2/NDF: 28441055.7/76


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:16.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/18
Left In: 0.000+/-0.000 χ²/NDF:18.0/19
Left: -0.000+/-0.000 χ²/NDF: 37.1/41
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:27.5/35
Out: -0.000+/-0.000 χ²/NDF:42.4/40
All: 0.000+/-0.000 χ²/NDF: 71.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17102690.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1931524.1/19

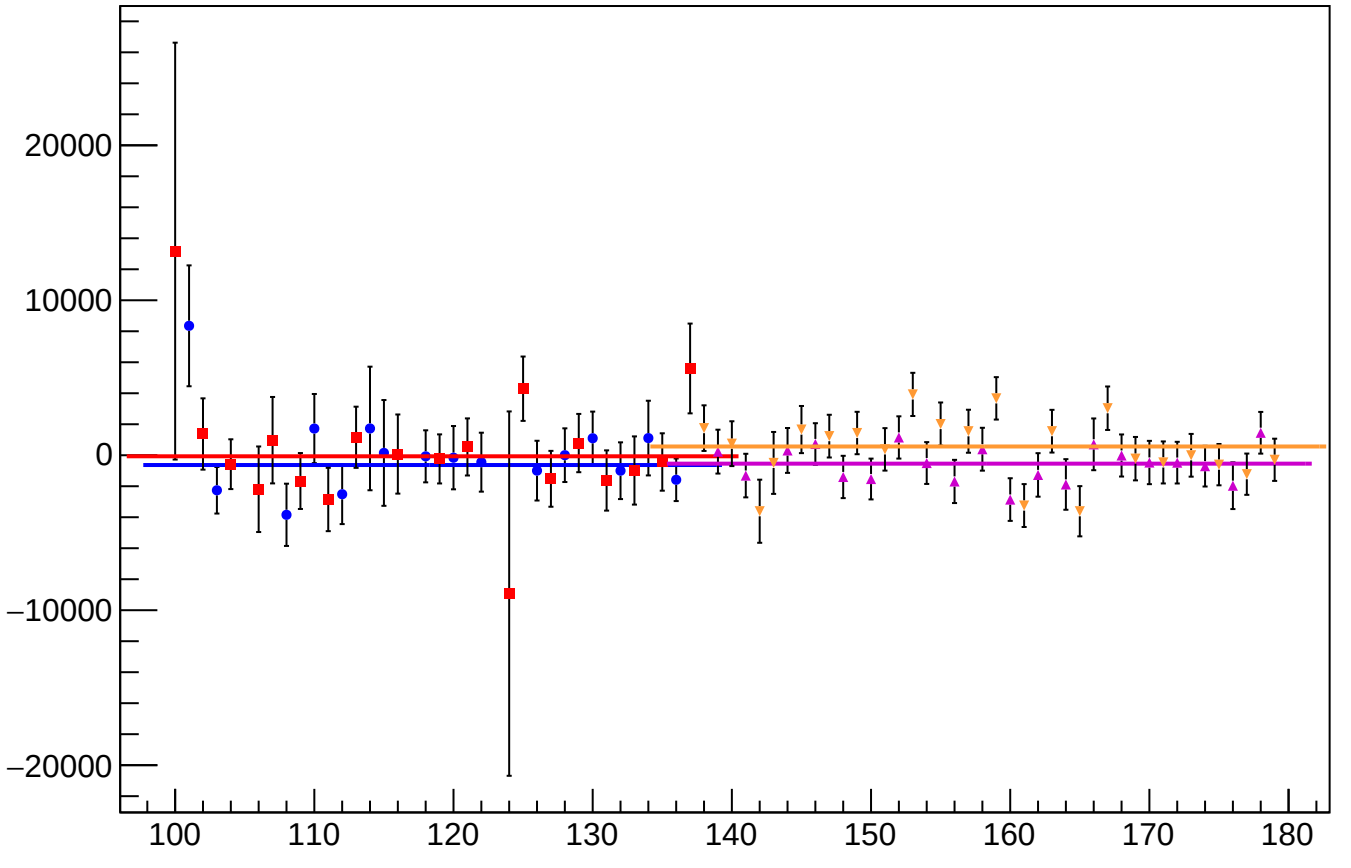
Left: 0.000+/-0.000 χ^2/NDF: 31510929.1/41

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:3227597.8/35

Out: 0.000+/-0.000 χ^2/NDF:23441741.3/40

All: 0.000+/-0.000 χ^2/NDF: 42851432.8/76



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -543.002+/-312.722 χ^2/NDF:13.1/19

Left: 24.102+/-218.482 χ^2/NDF: 60.3/41

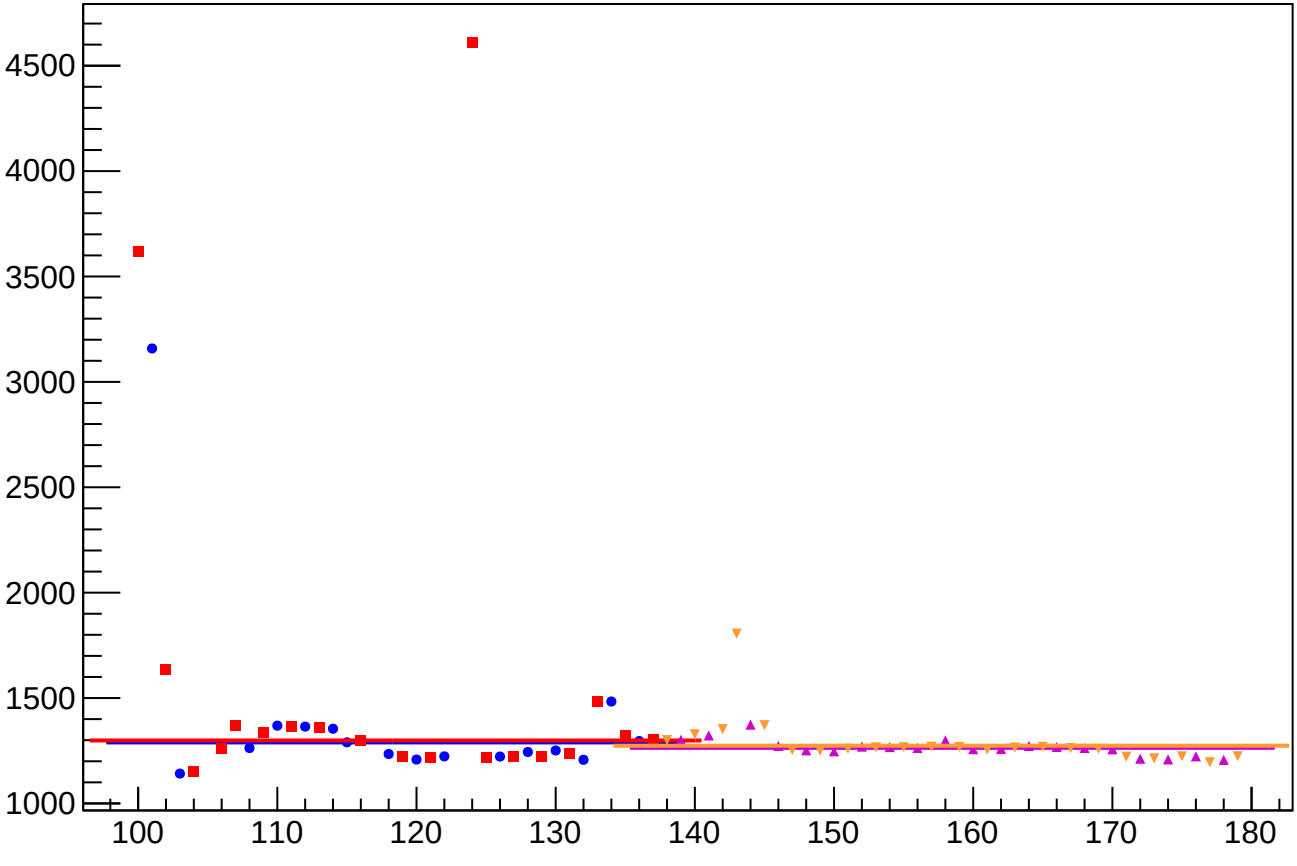
Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -568.582+/-263.402 χ^2/NDF:27.0/35

Out: 386.752+/-258.829 χ^2/NDF:57.8/40

All: -82.551+/-184.615 χ^2/NDF: 91.5/76

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

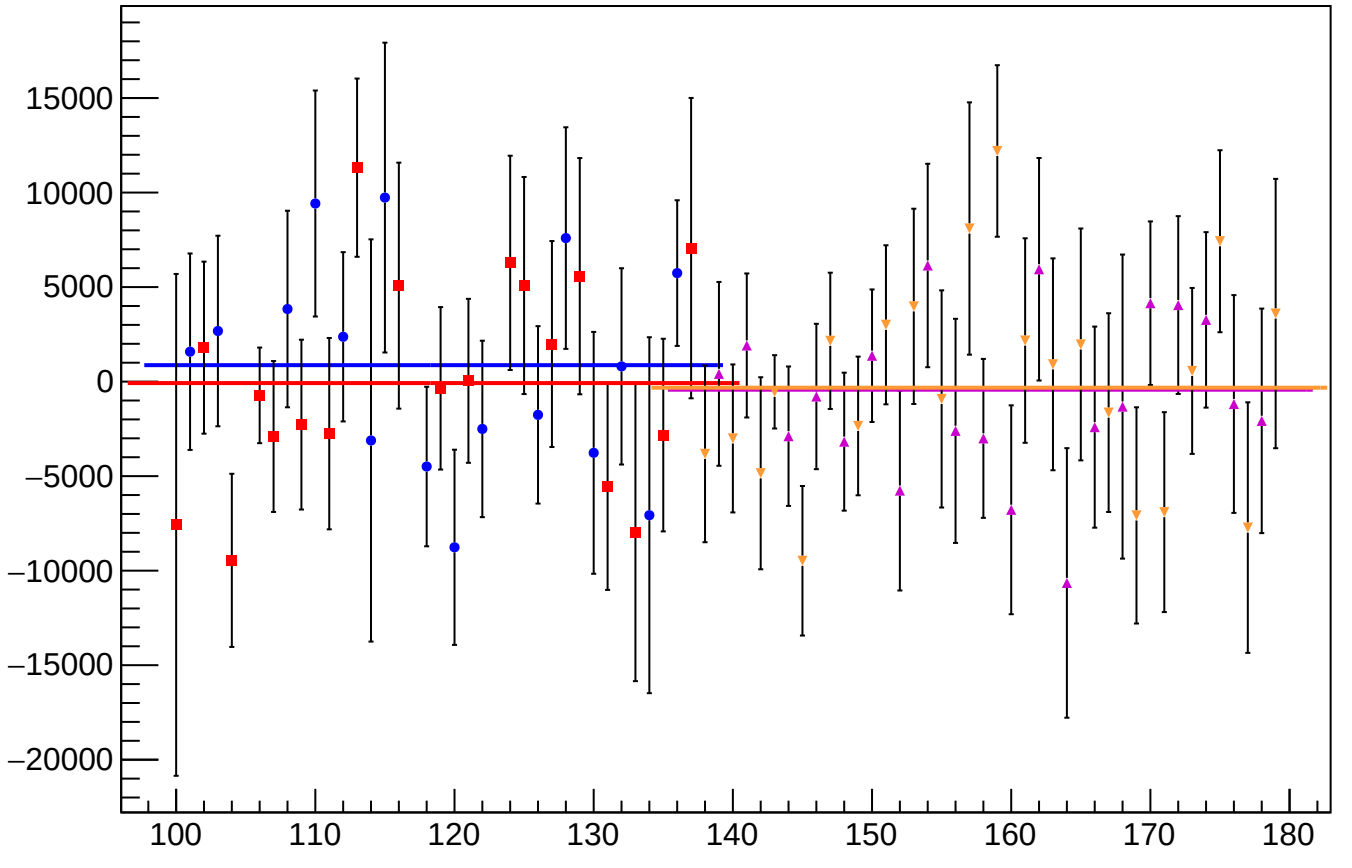
Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1271.206+/-0.186 χ^2/NDF:548661.3/35

Out: 1280.850+/-0.183 χ^2/NDF:500586.1/40

All: 1276.116+/-0.130 χ^2/NDF: 1050612.2/76



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -428.141+/-1054.120 χ^2/NDF:12.2/19

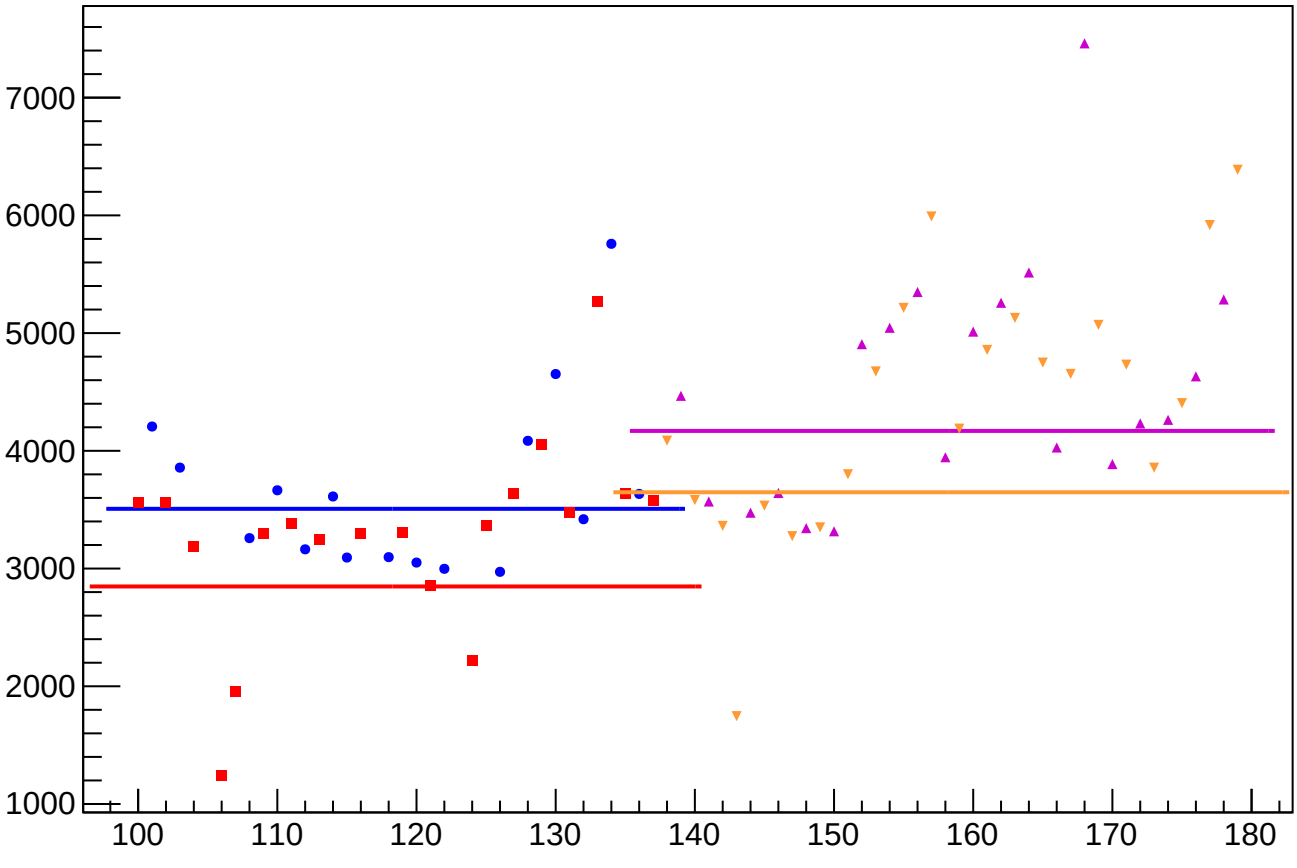
Left: -368.326+/-696.920 χ^2/NDF: 38.3/41

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 75.003+/-824.979 χ^2/NDF:26.8/35

Out: -221.267+/-712.652 χ^2/NDF:44.5/40

All: -94.660+/-539.297 χ^2/NDF: 71.4/76



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

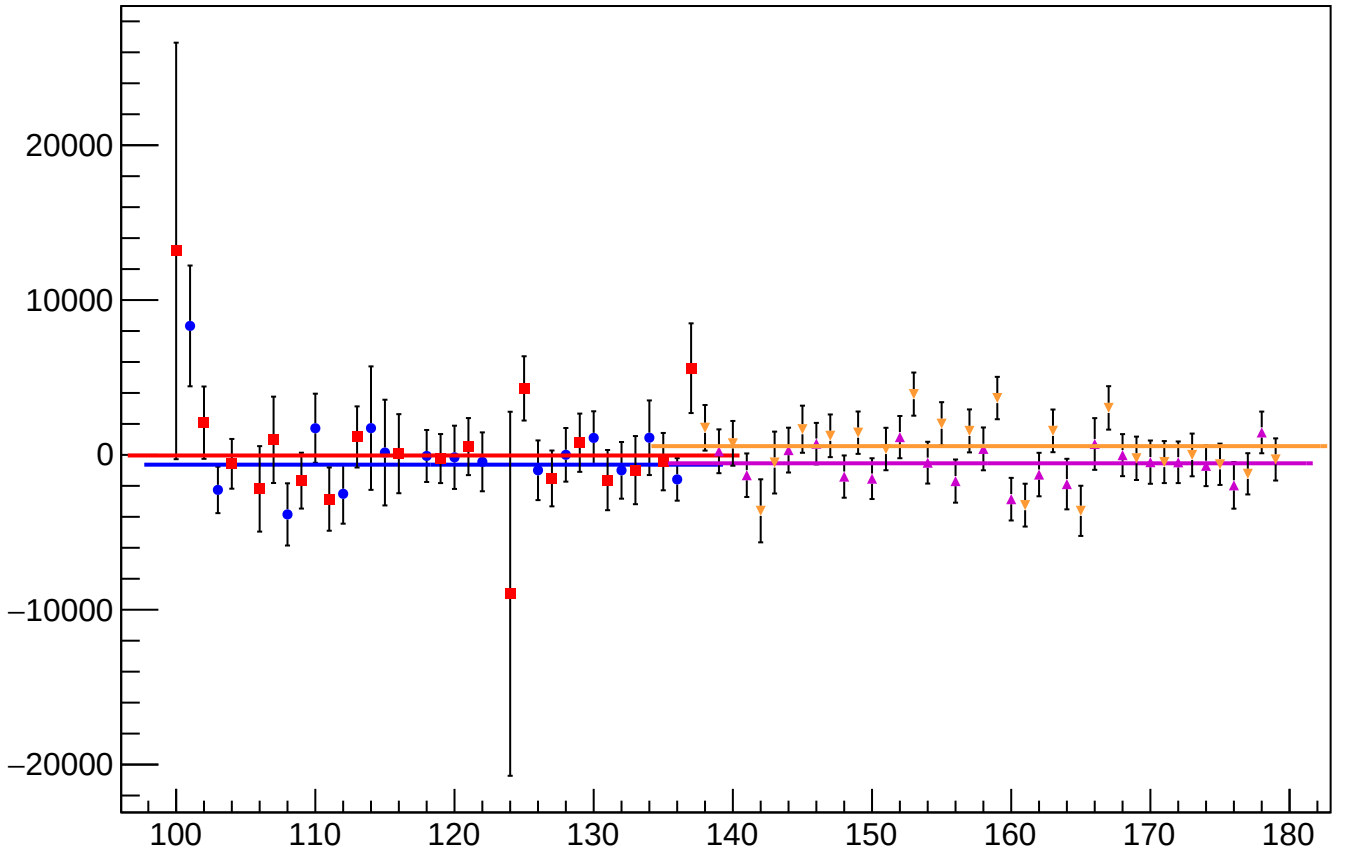
Left: 3875.826+/-0.493 χ^2/NDF: 5113048.3/41

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3912.721+/-0.583 χ^2/NDF:1838722.9/35

Out: 3318.837+/-0.504 χ^2/NDF:5768620.7/40

All: 3572.625+/-0.381 χ^2/NDF: 8200878.4/76



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -542.923+/-312.722 χ^2/NDF:13.1/19

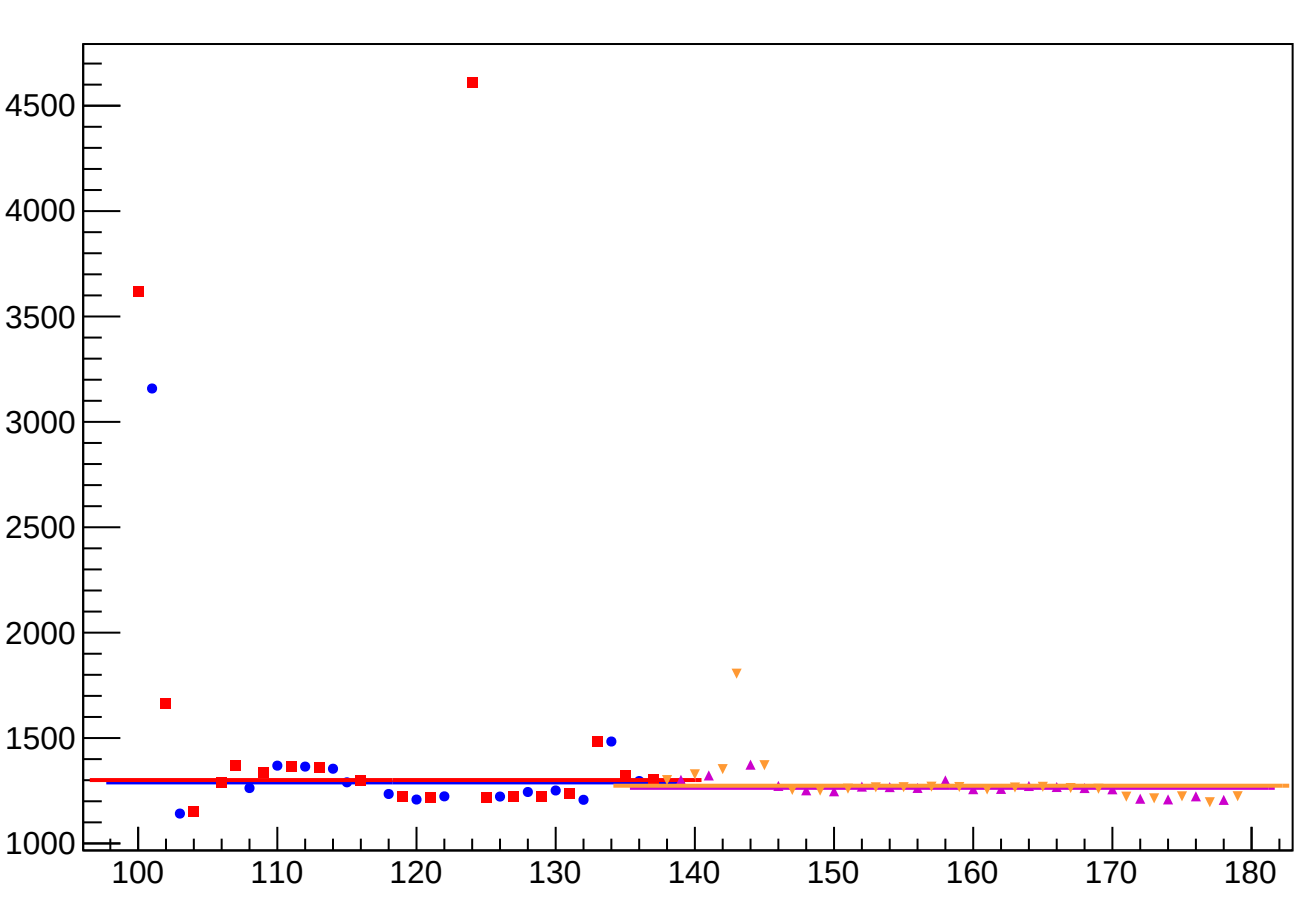
Left: 24.150+/-218.482 χ^2/NDF: 60.3/41

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -78.421+/-184.633 χ^2/NDF: 92.0/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

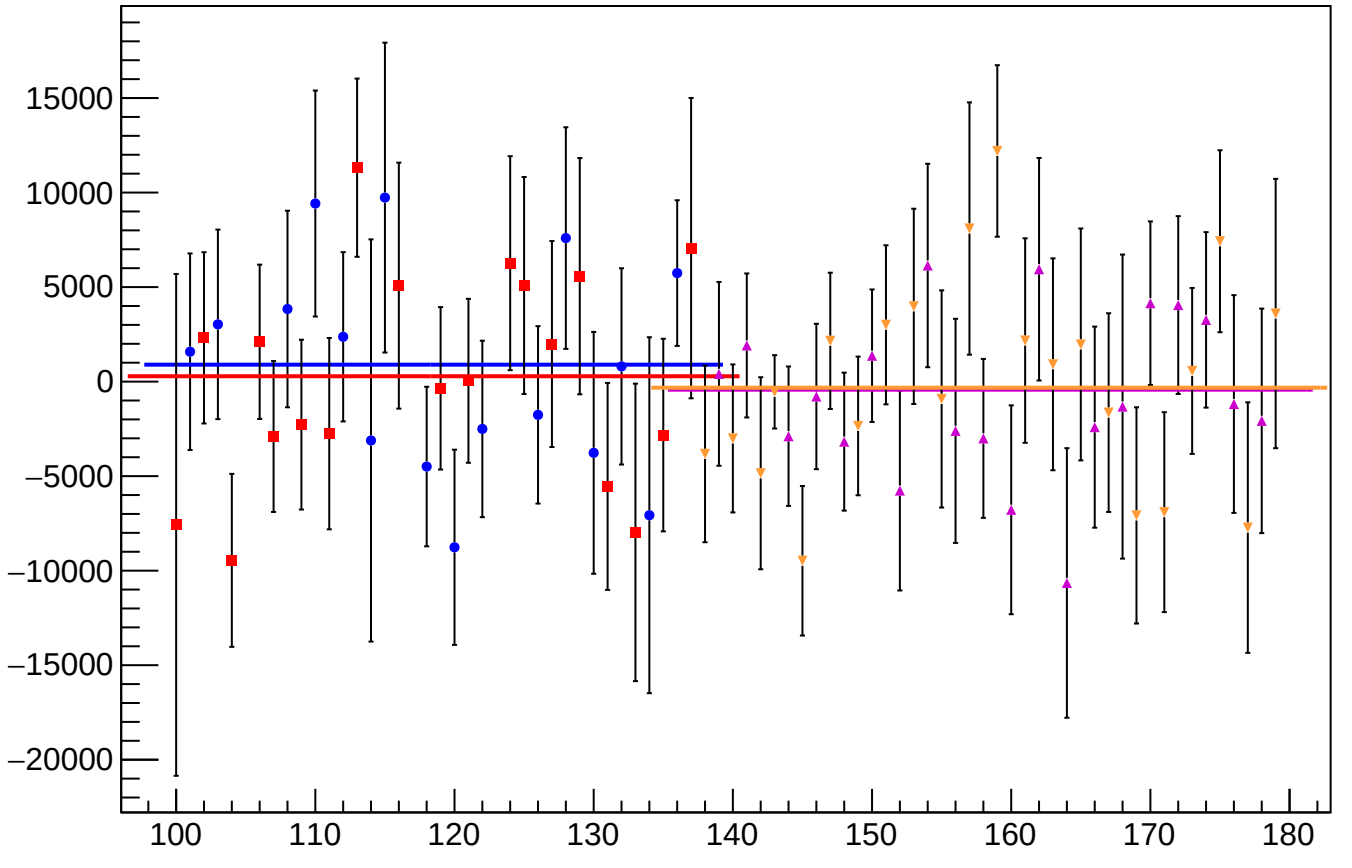
Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -428.148+/-1054.118 χ^2/NDF:12.2/19

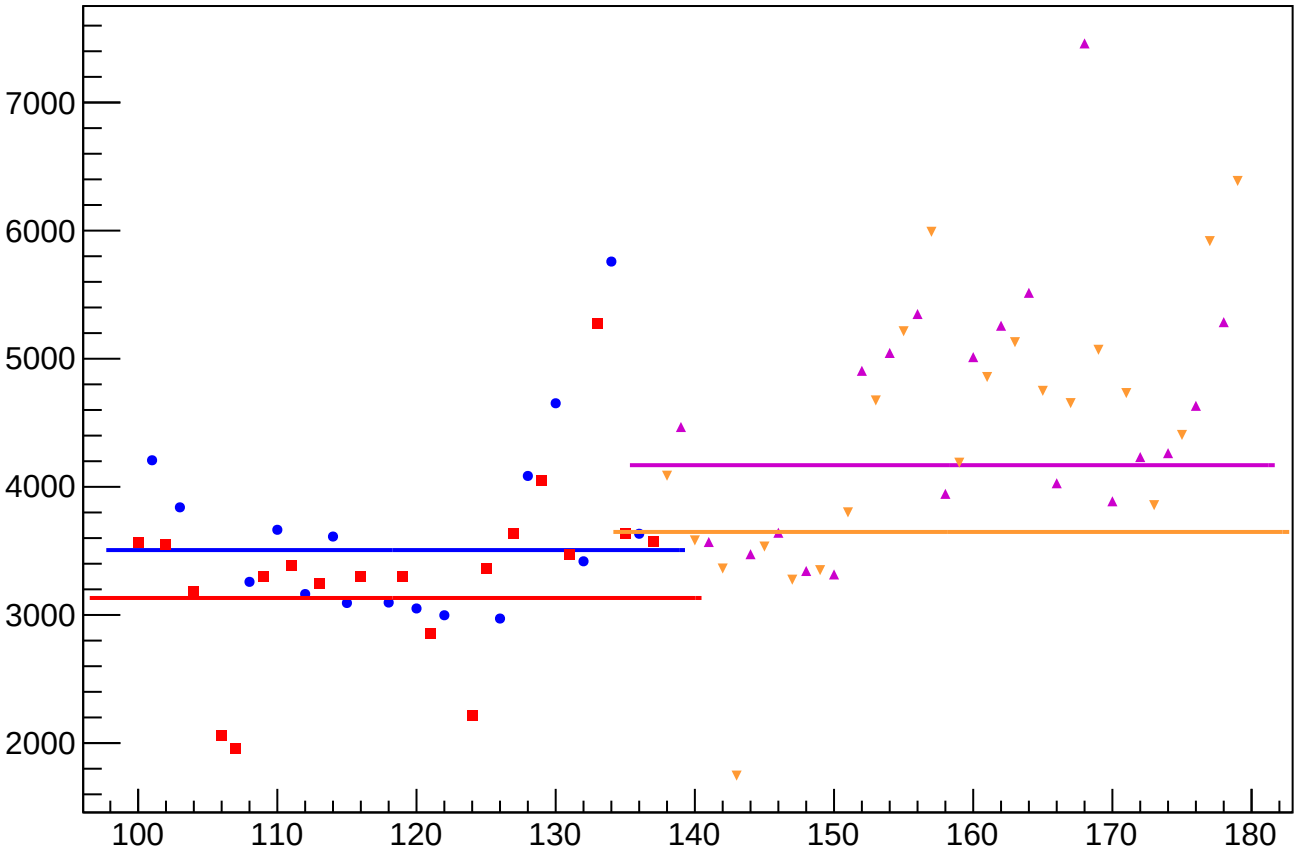
Left: -368.292+/-696.919 χ^2/NDF: 38.3/41

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: -13.439+/-546.931 χ^2/NDF: 71.8/76



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

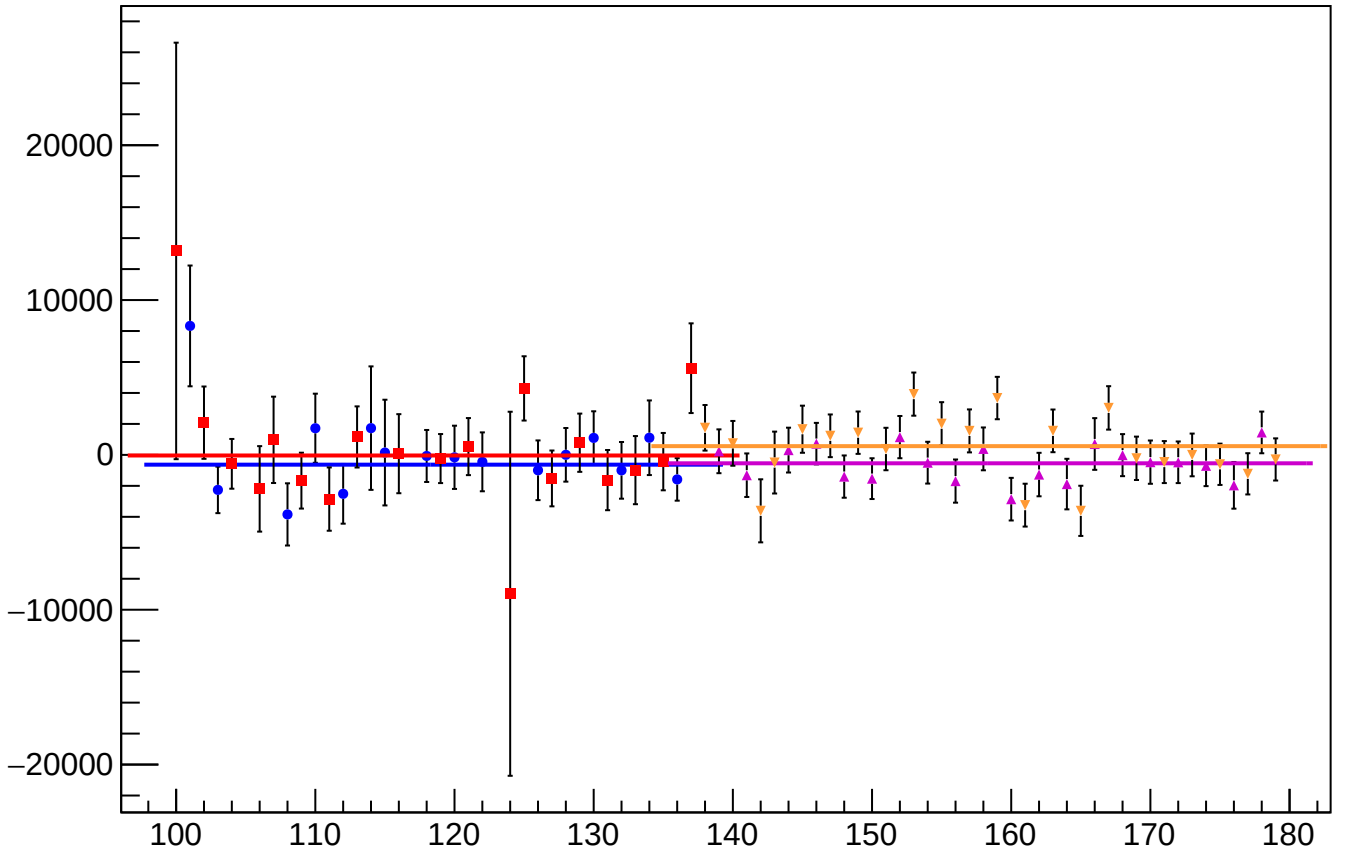
Left: 3875.818+/-0.493 χ^2/NDF: 5113088.7/41

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -542.923+/-312.722 χ^2/NDF:13.1/19

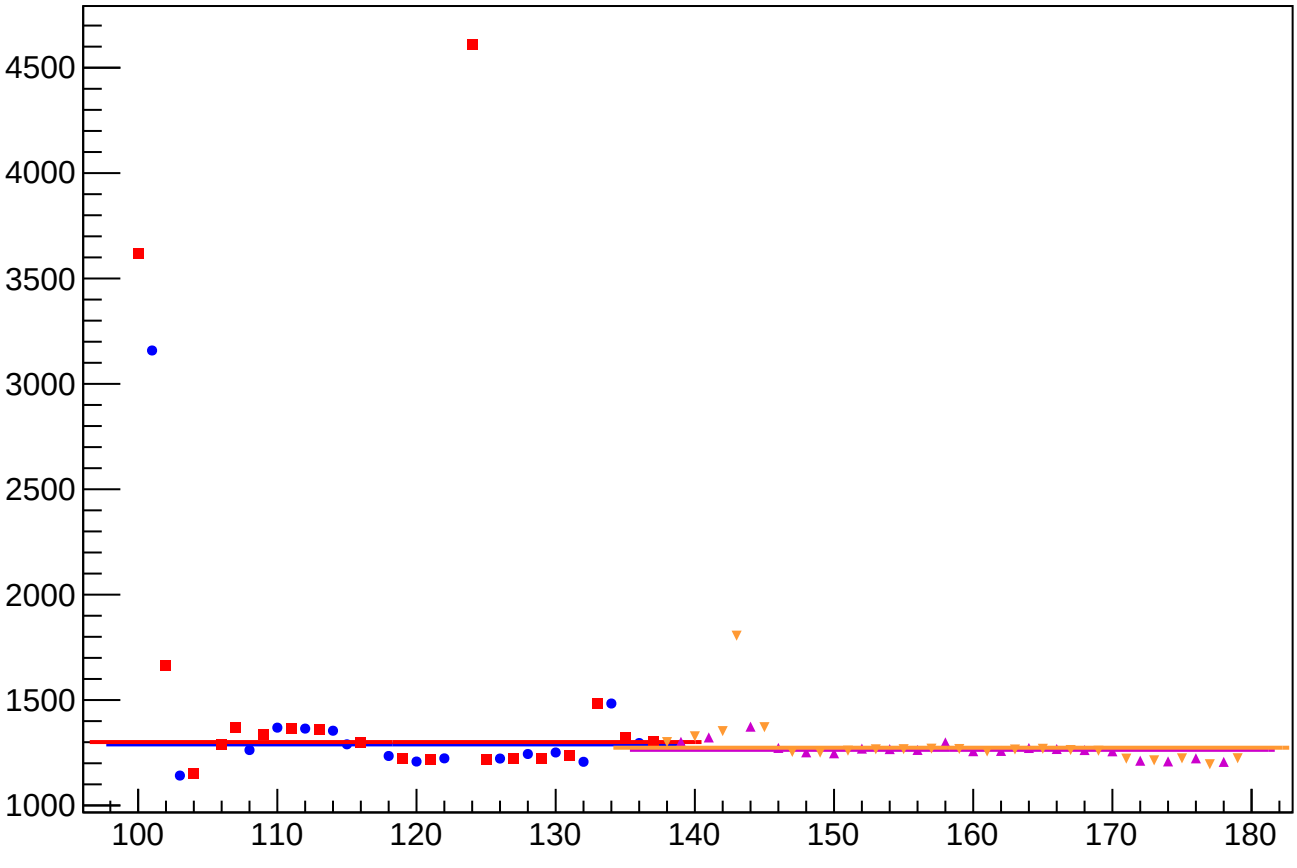
Left: 24.150+/-218.482 χ^2/NDF: 60.3/41

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -78.421+/-184.633 χ^2/NDF: 92.0/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

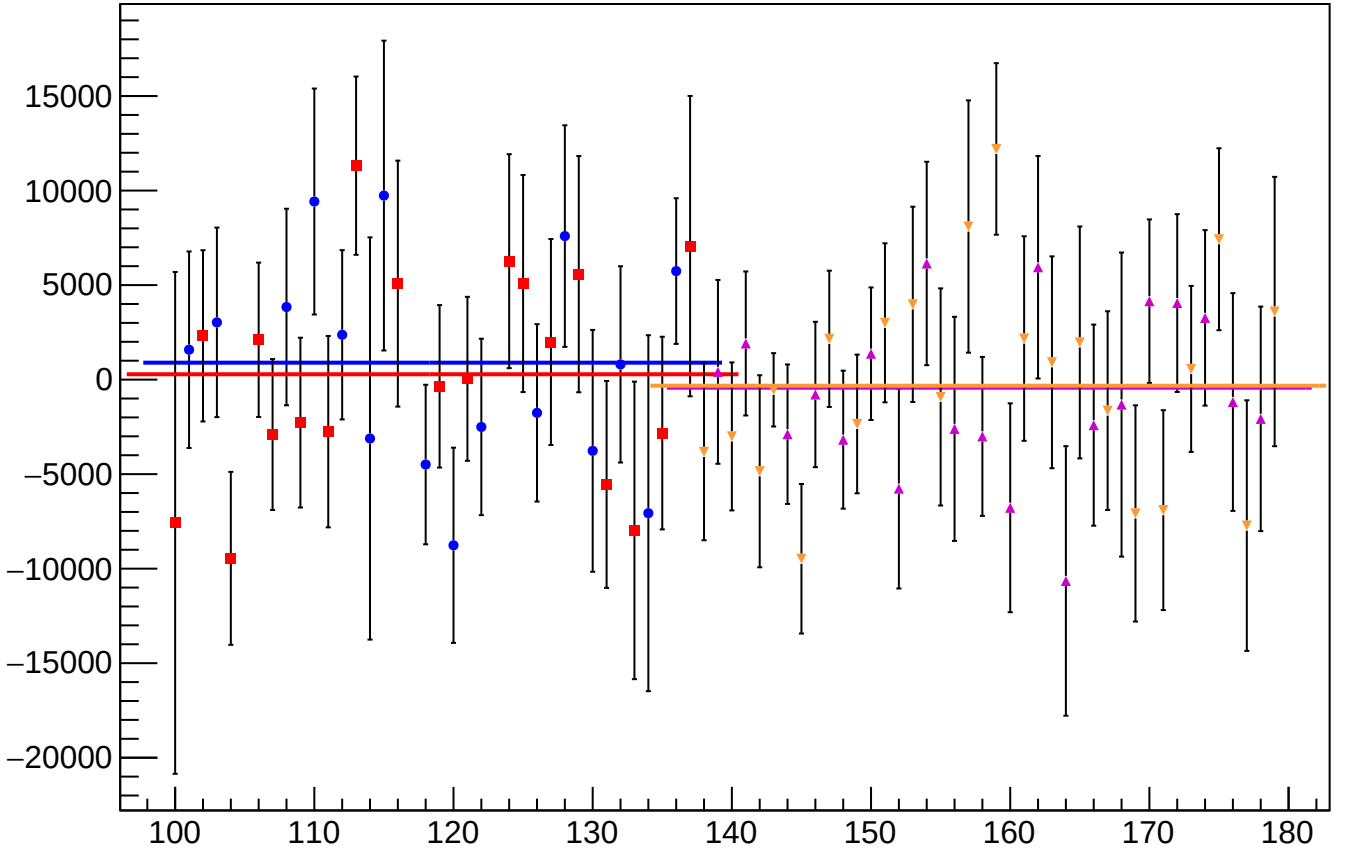
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -428.148+/-1054.118 χ^2/NDF:12.2/19

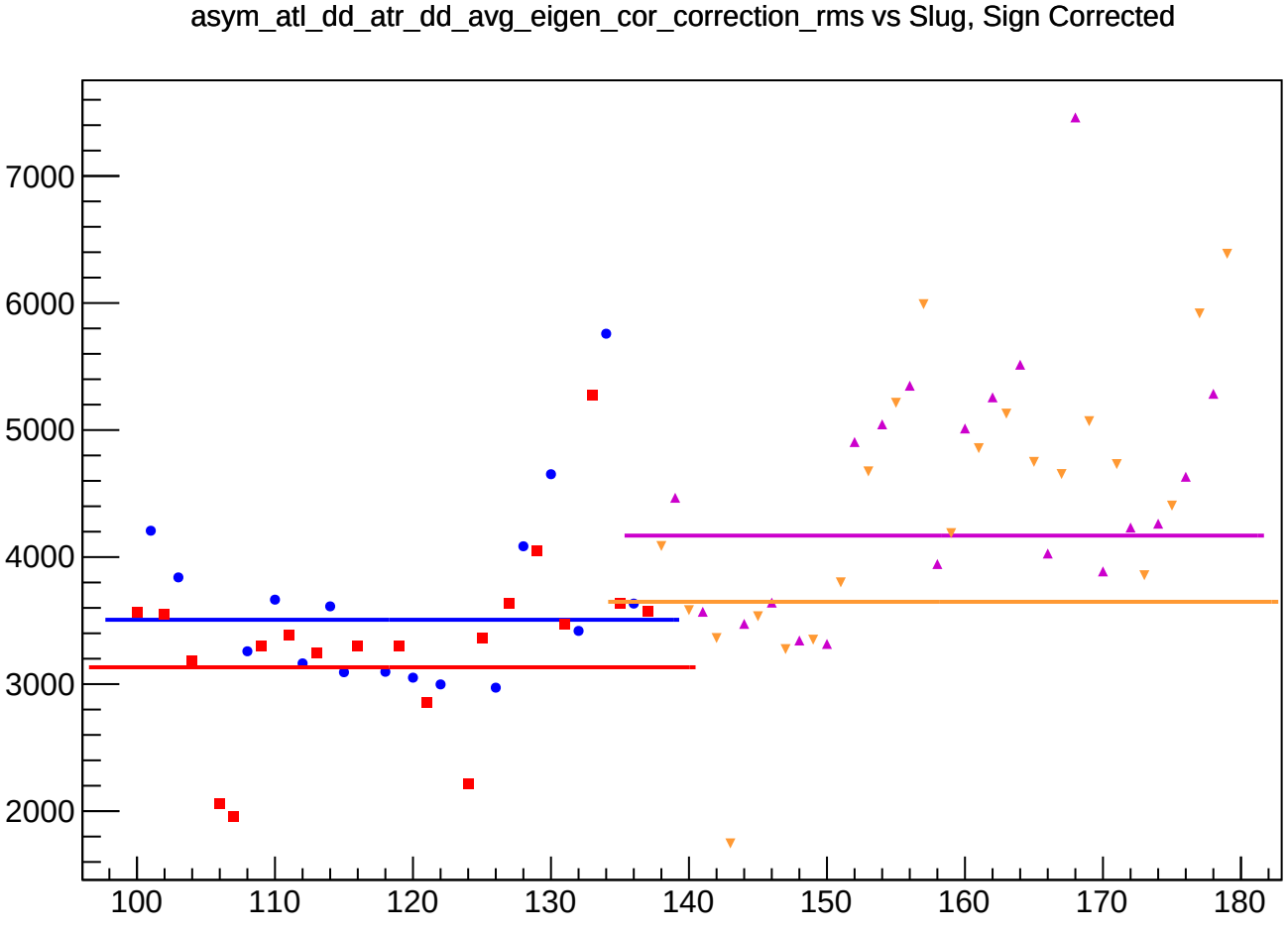
Left: -368.292+/-696.919 χ^2/NDF: 38.3/41

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: -13.439+/-546.931 χ^2/NDF: 71.8/76



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

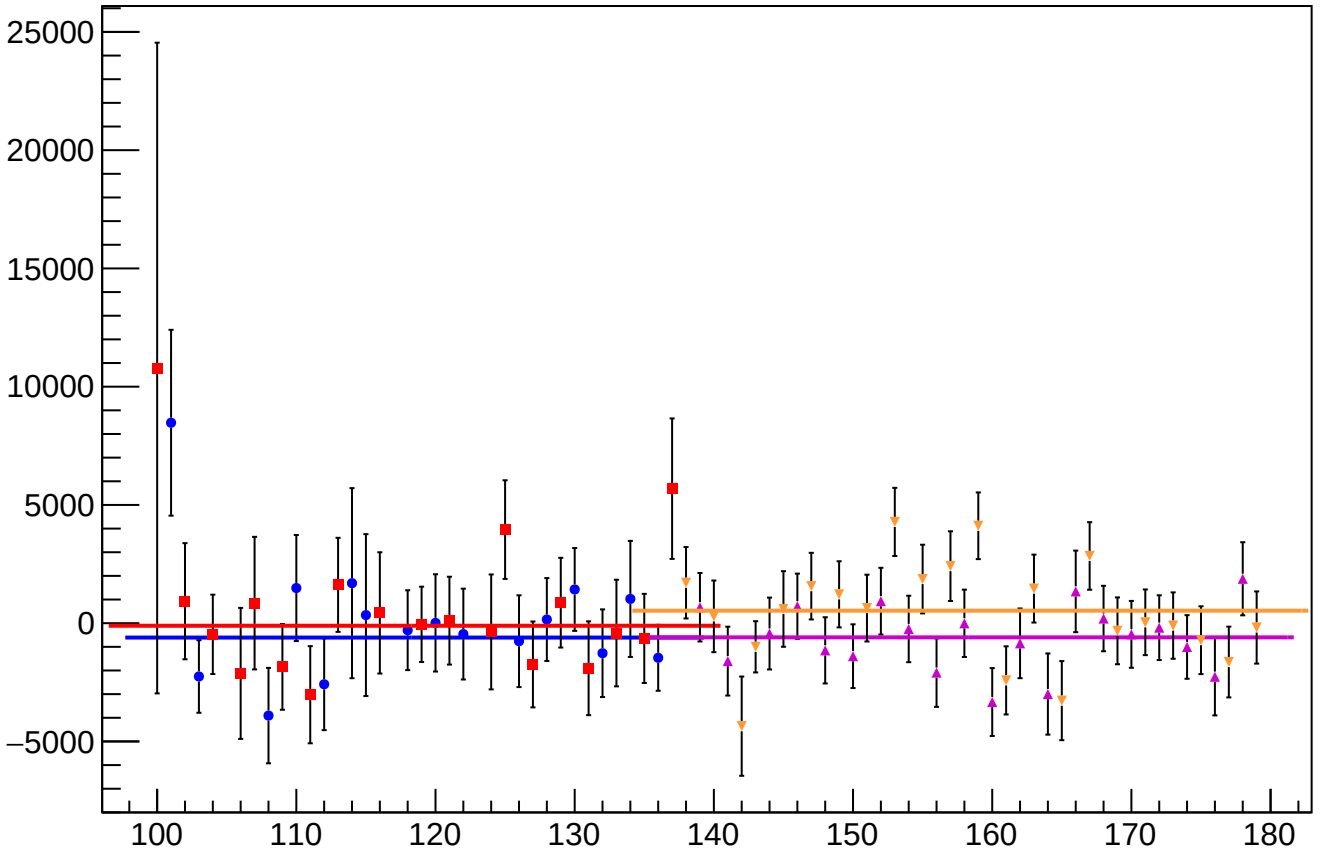
Left: 3875.818+/-0.493 χ^2/NDF: 5113088.7/41

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -599.425+/-324.930 χ^2/NDF:16.2/19

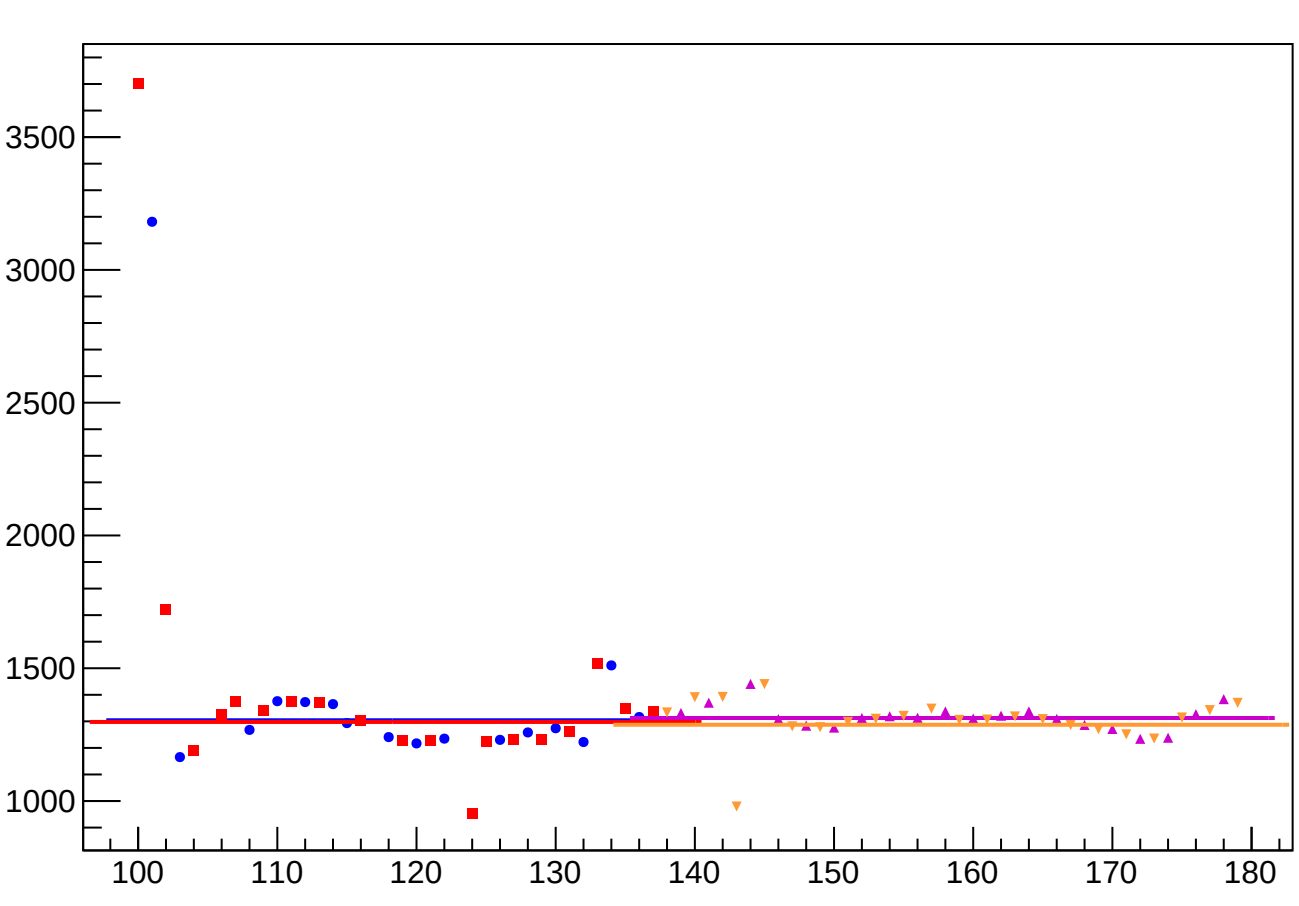
Left: -6.730+/-223.847 χ^2/NDF: 63.2/41

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -601.963+/-271.500 χ^2/NDF:30.3/35

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -108.998+/-188.000 χ^2/NDF: 93.4/76



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

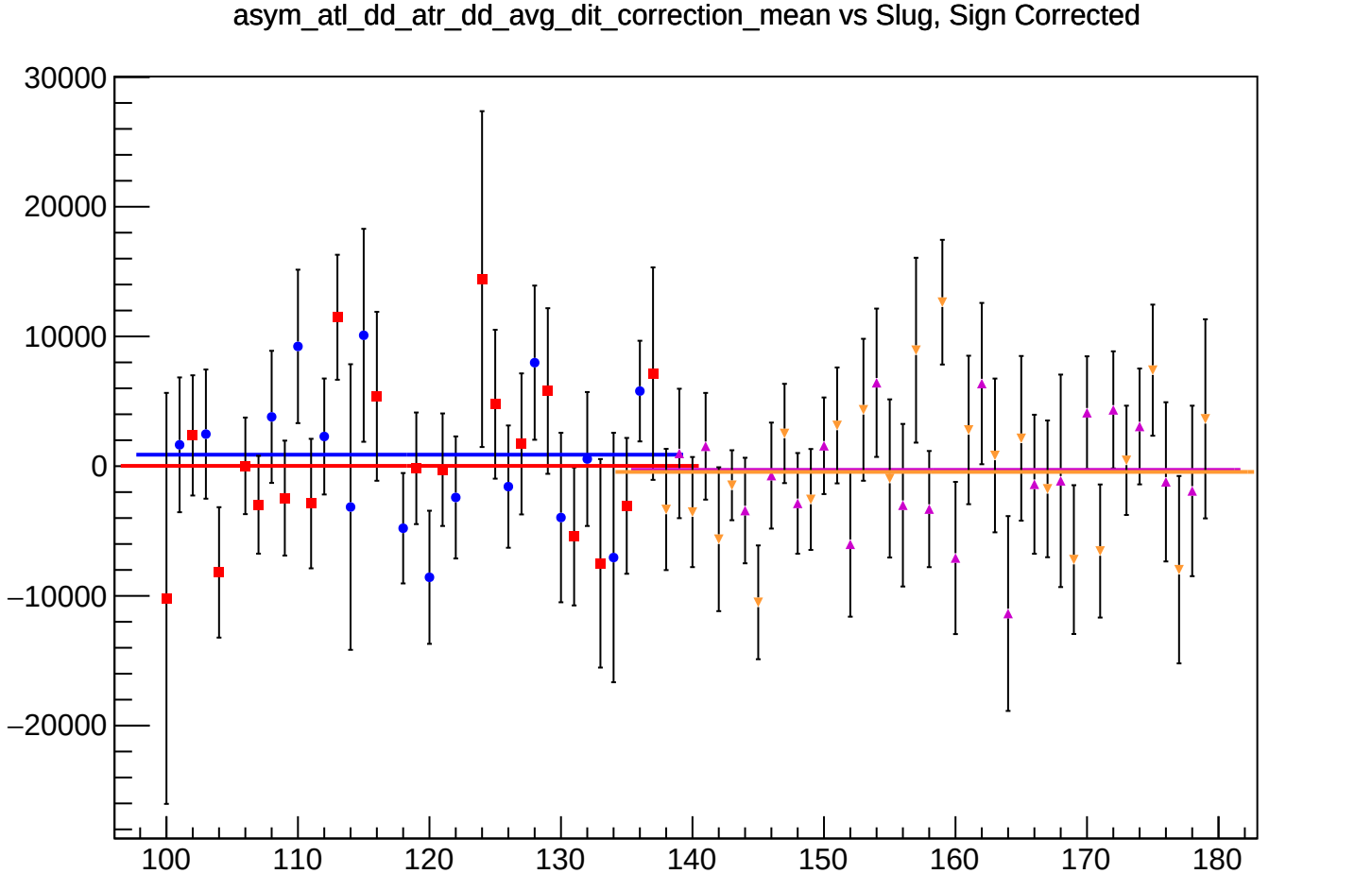
Left: 1299.284+/-0.158 χ^2/NDF: 263882.7/41

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.061+/-0.192 χ^2/NDF:551651.2/35

Out: 1290.271+/-0.184 χ^2/NDF:430582.2/40

All: 1299.758+/-0.133 χ^2/NDF: 987765.2/76



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -287.074+/-1104.132 χ^2/NDF:12.1/19

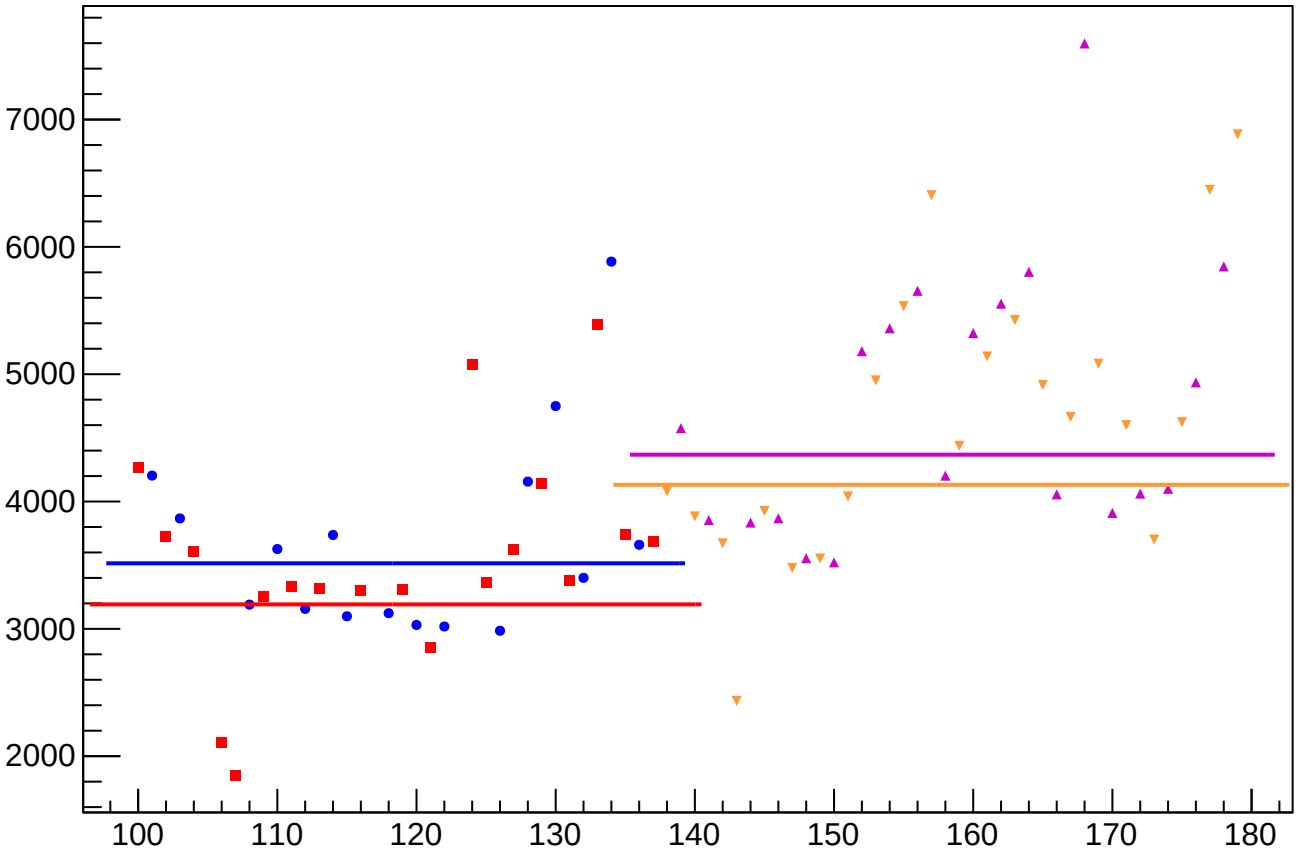
Left: -370.930+/-751.409 χ^2/NDF: 37.9/41

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 191.856+/-848.857 χ^2/NDF:26.6/35

Out: -247.448+/-779.617 χ^2/NDF:42.8/40

All: -46.441+/-574.193 χ^2/NDF: 69.6/76



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

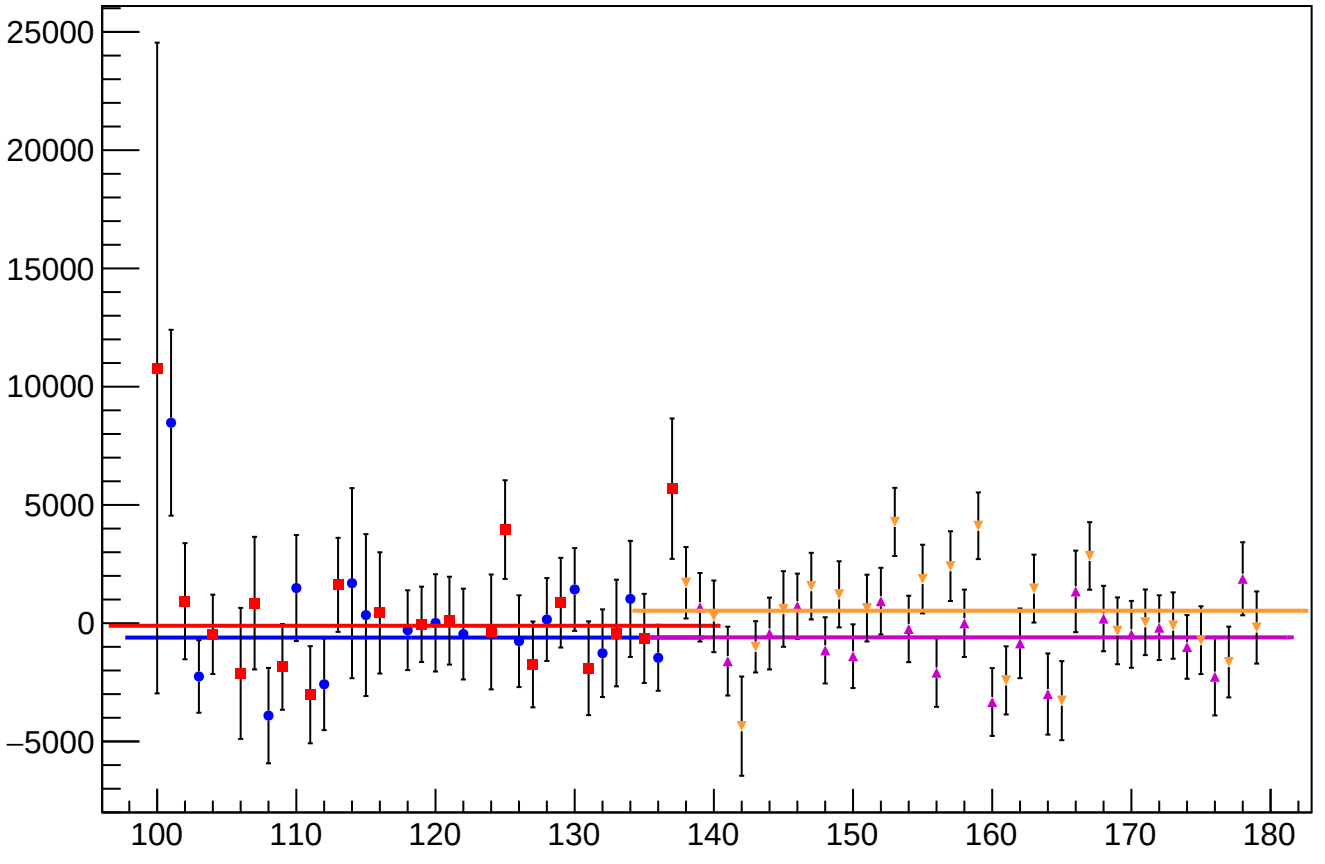
Left: 4240.736+/-0.531 χ^2/NDF: 3268501.6/41

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4018.994+/-0.600 χ^2/NDF:2016630.0/35

Out: 3734.788+/-0.551 χ^2/NDF:3545837.5/40

All: 3864.828+/-0.406 χ^2/NDF: 5684080.6/76



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -599.428+/-324.930 χ^2/NDF:16.2/19

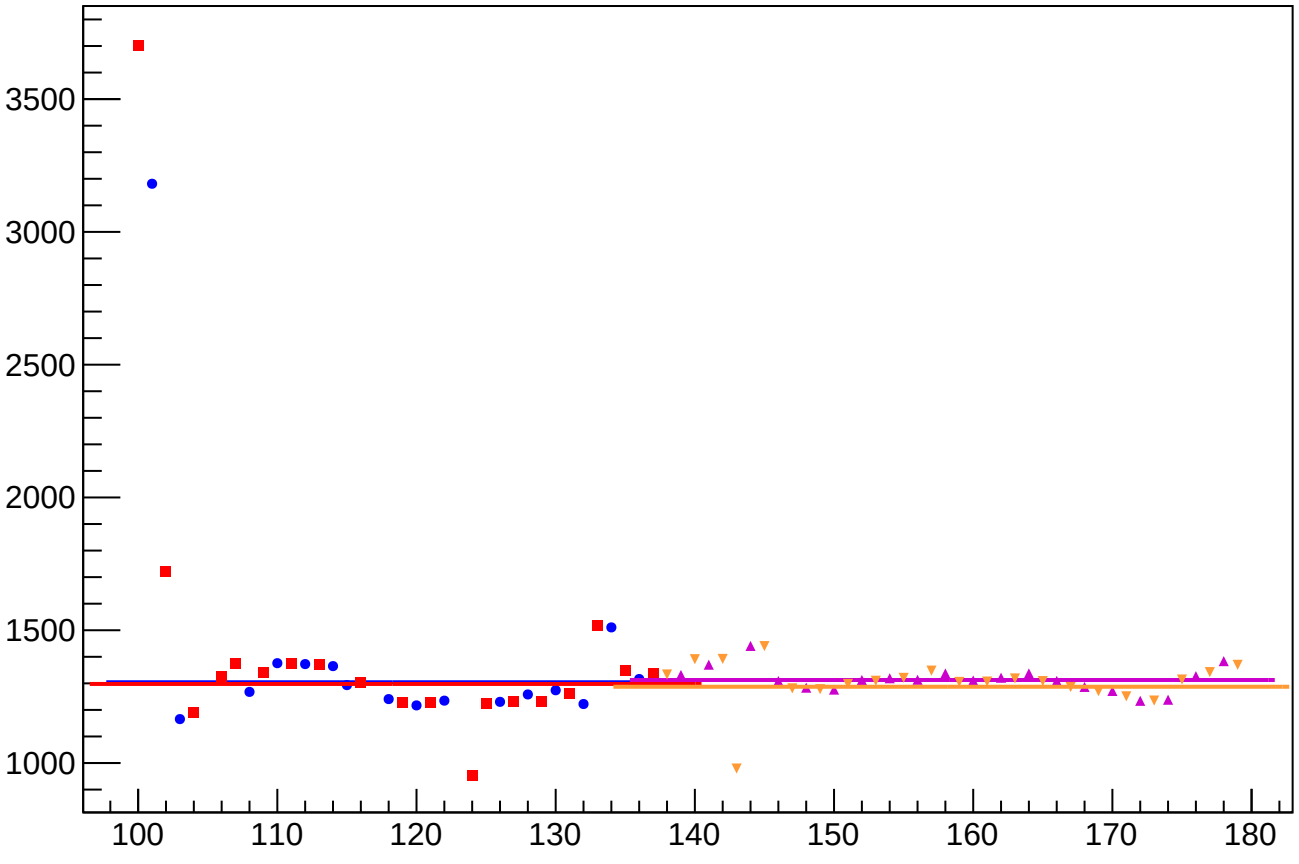
Left: -6.729+/-223.848 χ^2/NDF: 63.2/41

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -601.965+/-271.500 χ^2/NDF:30.3/35

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -108.999+/-188.000 χ^2/NDF: 93.4/76



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

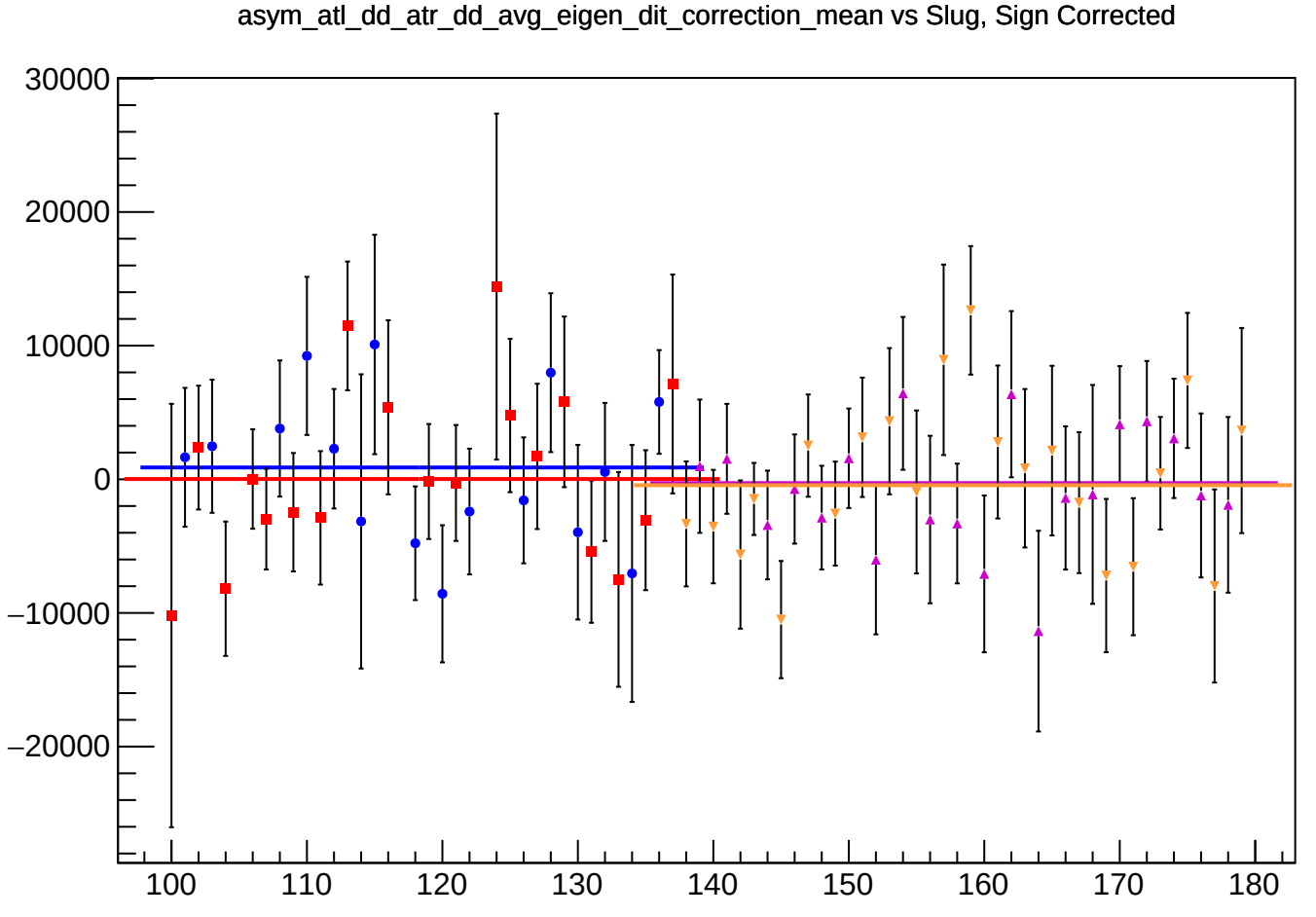
Left: 1299.286+/-0.158 χ^2/NDF: 263887.2/41

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.062+/-0.192 χ^2/NDF:551653.3/35

Out: 1290.272+/-0.184 χ^2/NDF:430584.8/40

All: 1299.759+/-0.133 χ^2/NDF: 987769.9/76



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -443.268+/-1025.525 χ^2/NDF:25.9/21

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -287.074+/-1104.134 χ^2/NDF:12.1/19

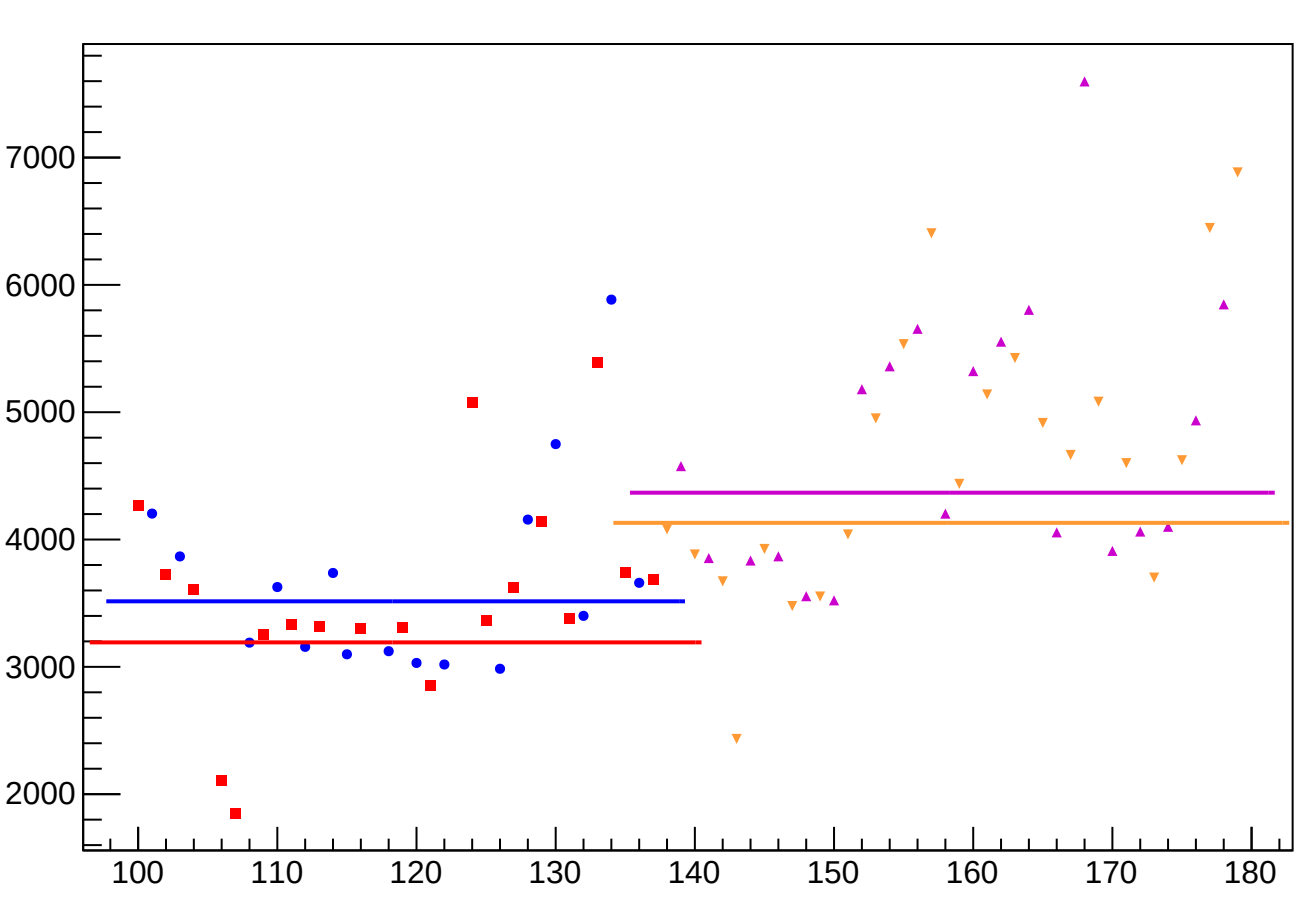
Left: -370.928+/-751.411 χ^2/NDF: 37.9/41

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 191.854+/-848.857 χ^2/NDF:26.6/35

Out: -247.447+/-779.617 χ^2/NDF:42.8/40

All: -46.441+/-574.193 χ^2/NDF: 69.6/76



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

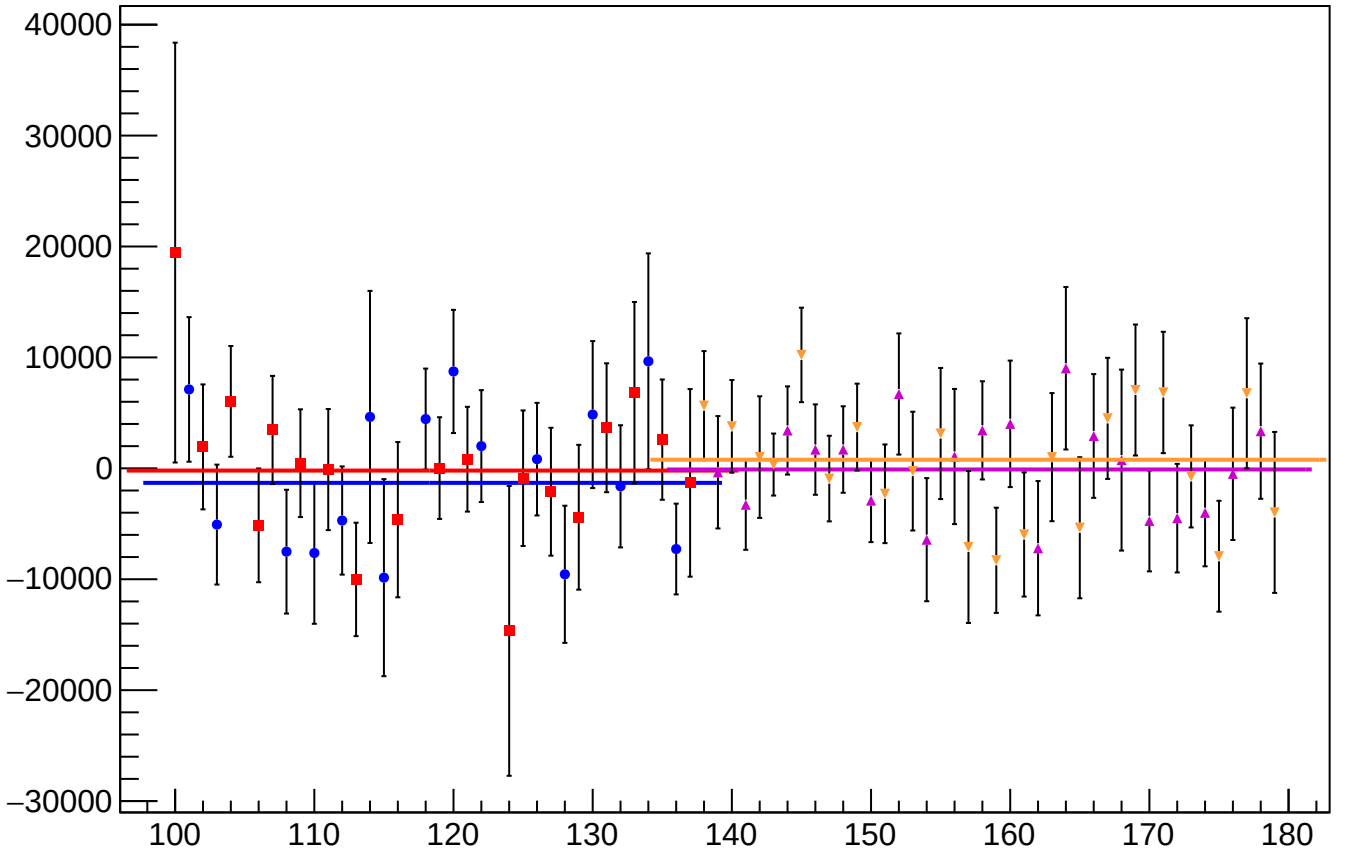
Left: 4240.742+/-0.531 χ^2/NDF: 3268507.6/41

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4018.992+/-0.600 χ^2/NDF:2016656.0/35

Out: 3734.786+/-0.551 χ^2/NDF:3545865.5/40

All: 3864.827+/-0.406 χ^2/NDF: 5684134.5/76



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -102.716+/-1107.223 χ^2/NDF:12.5/19

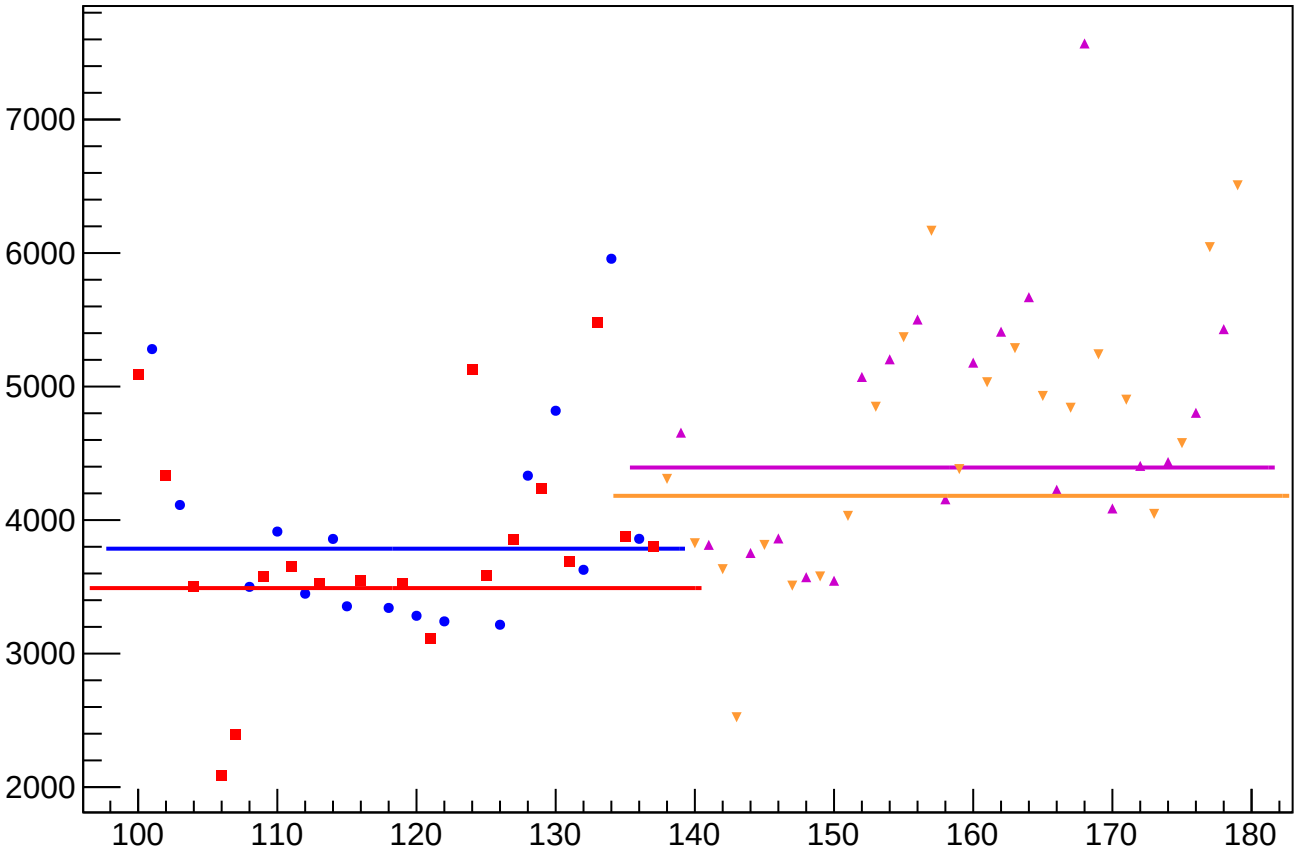
Left: 367.223+/-755.244 χ^2/NDF: 35.2/41

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -554.332+/-875.842 χ^2/NDF:30.5/35

Out: 410.407+/-817.128 χ^2/NDF:34.4/40

All: -38.545+/-597.476 χ^2/NDF: 65.5/76



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

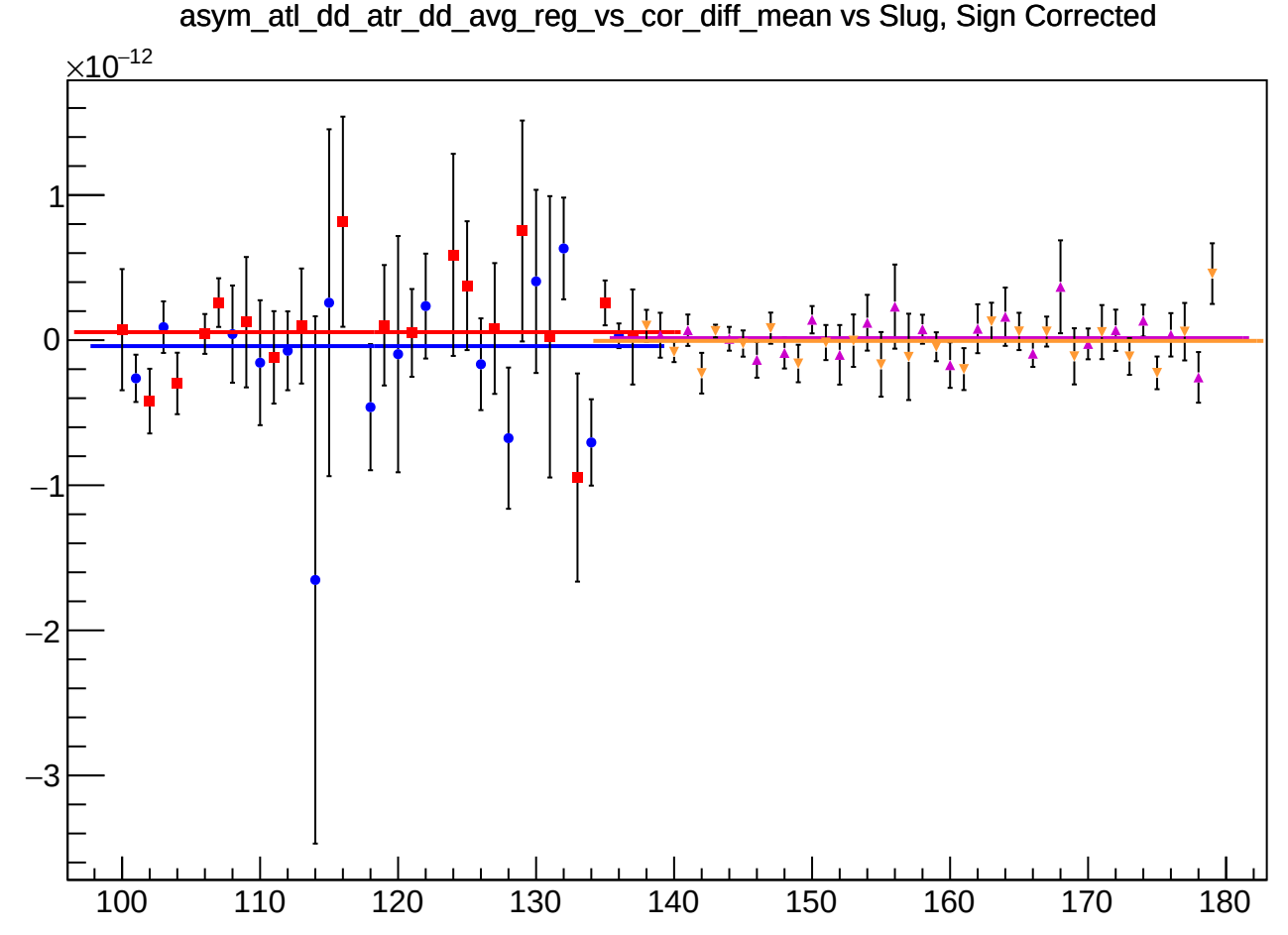
Left: 4280.270+/-0.534 χ^2/NDF: 2839612.7/41

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4166.138+/-0.619 χ^2/NDF:1613440.0/35

Out: 3918.689+/-0.575 χ^2/NDF:2722928.9/40

All: 4033.205+/-0.421 χ^2/NDF: 4422131.6/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/19

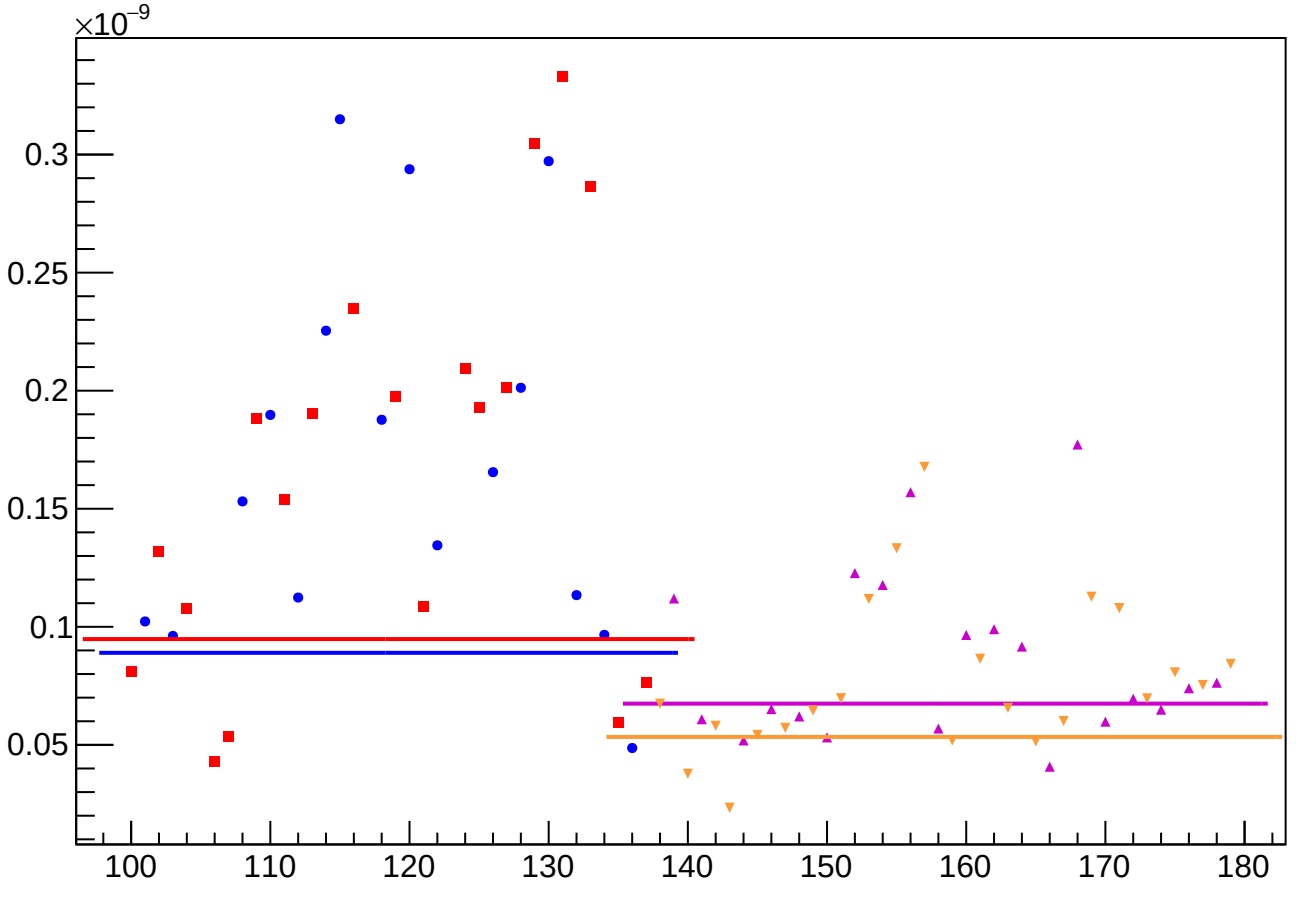
Left: 0.000+/-0.000 χ^2/NDF: 38.3/41

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:32.0/35

Out: 0.000+/-0.000 χ^2/NDF:40.1/40

All: 0.000+/-0.000 χ^2/NDF: 72.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4272228.0/41

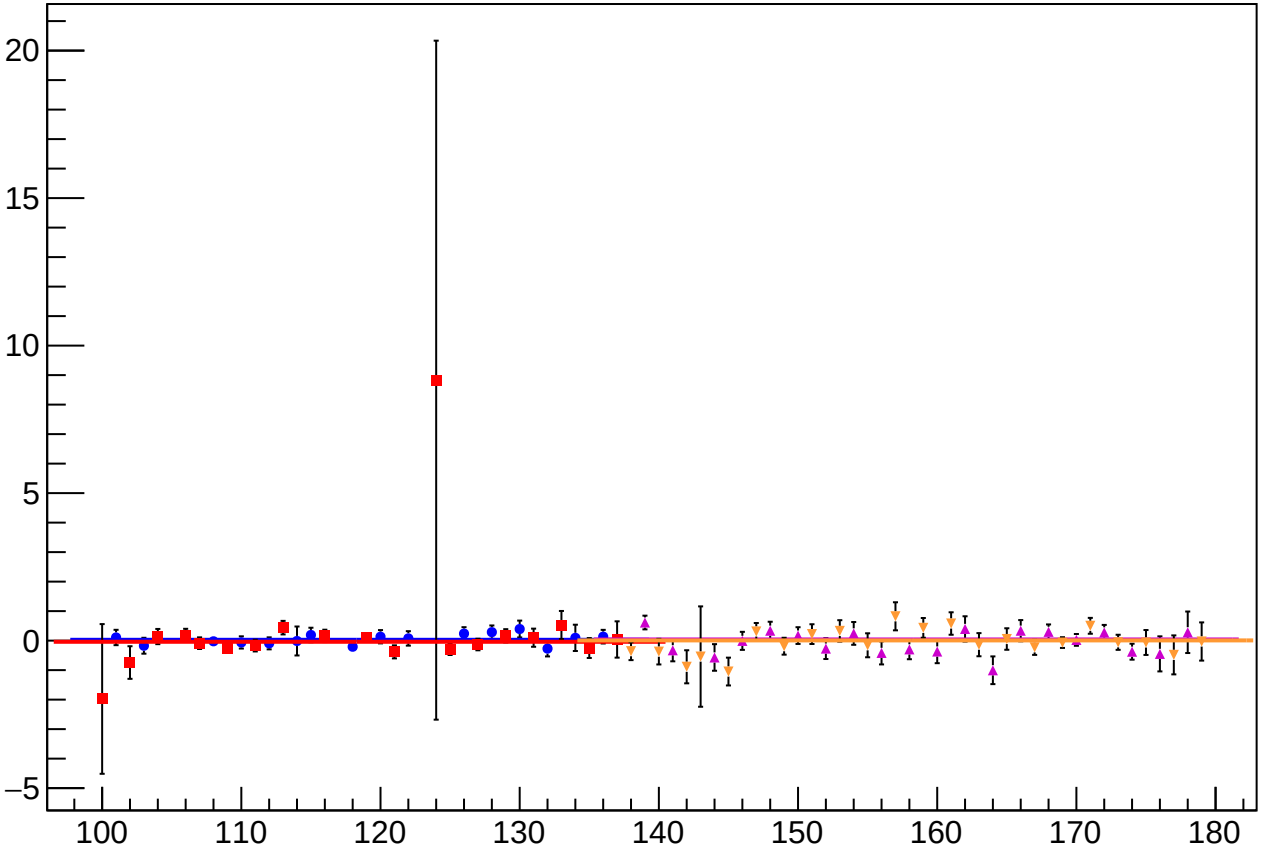
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3061986.9/35

Out: 0.000+/-0.000 χ^2/NDF:5068655.3/40

All: 0.000+/-0.000 χ^2/NDF: 8445239.7/76

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

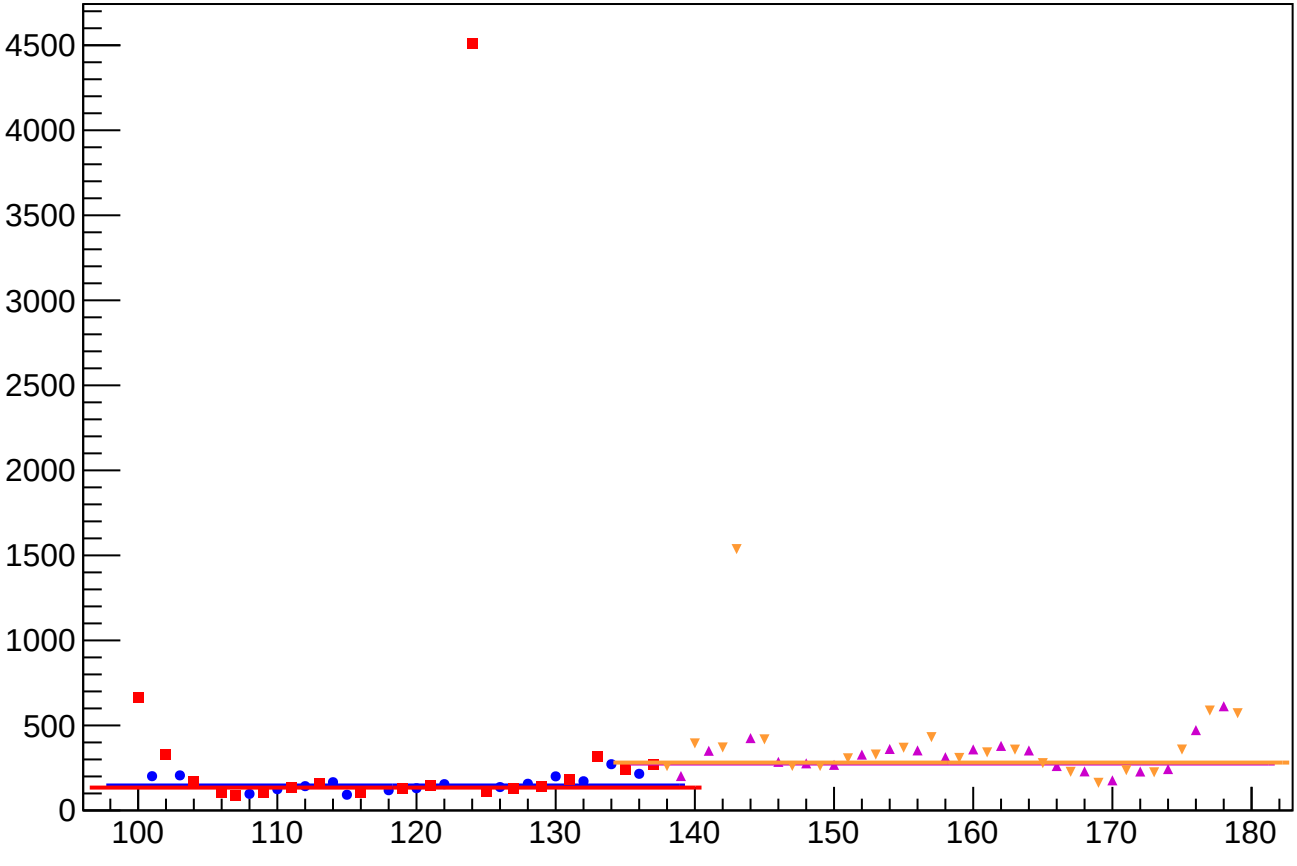
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 278.646+/-0.036 χ^2/NDF: 6290941.7/41

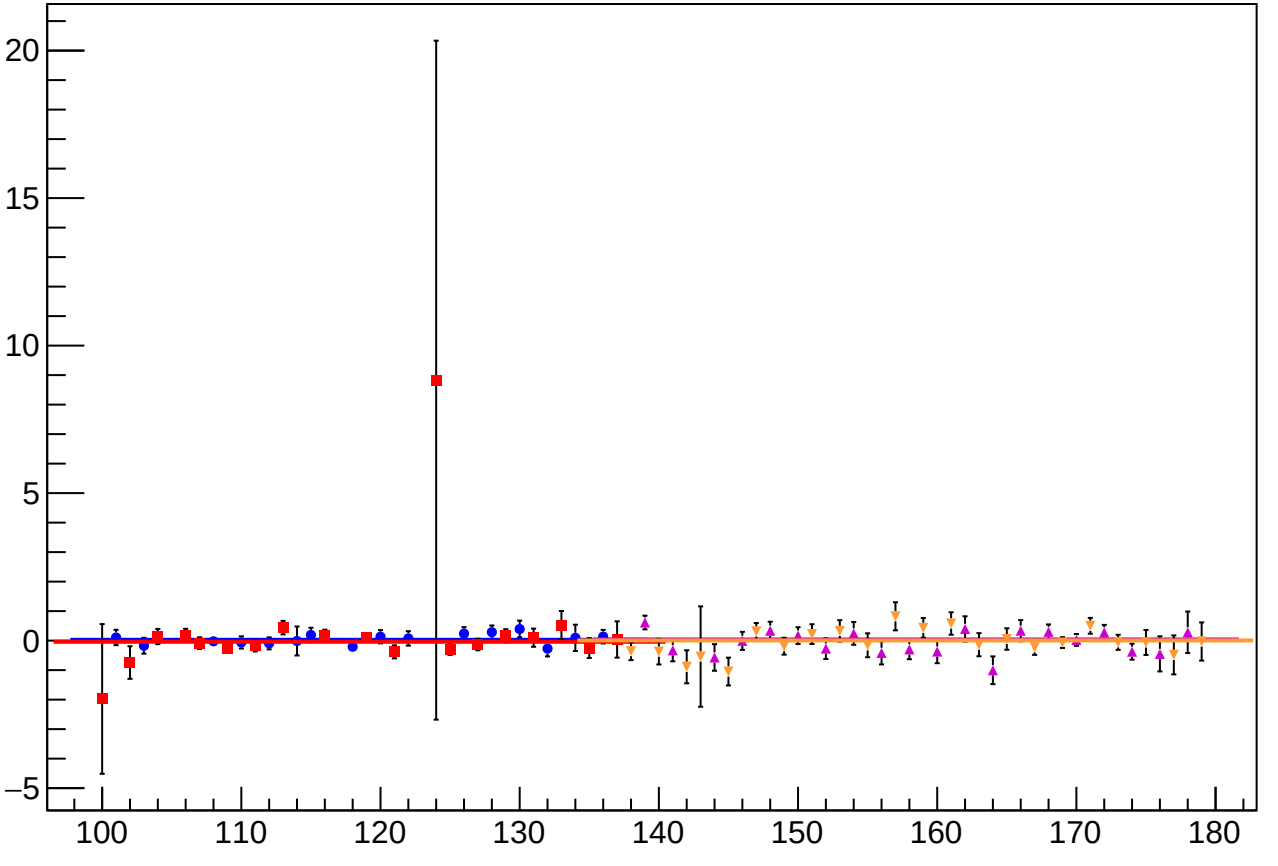
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

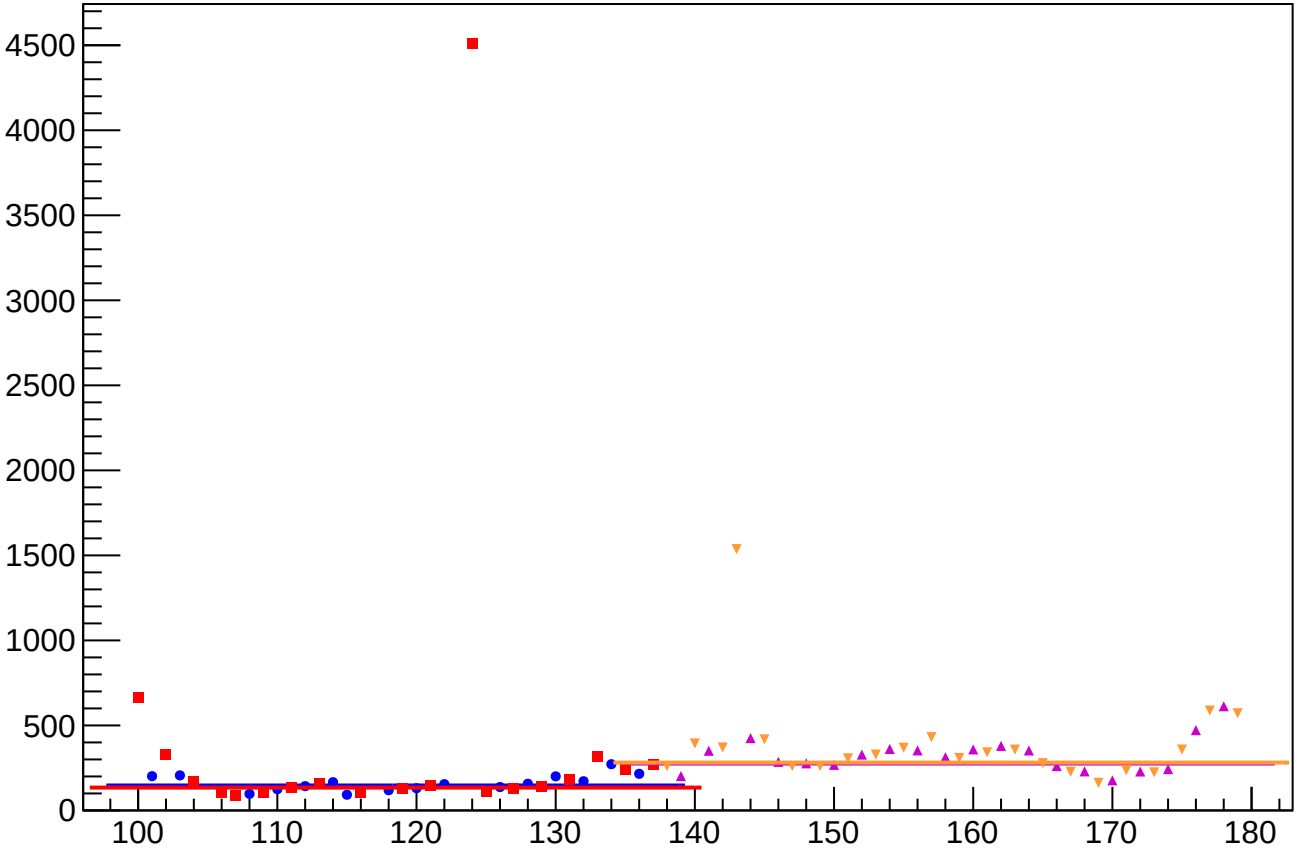
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 278.646+/-0.036 χ^2/NDF: 6290941.7/41

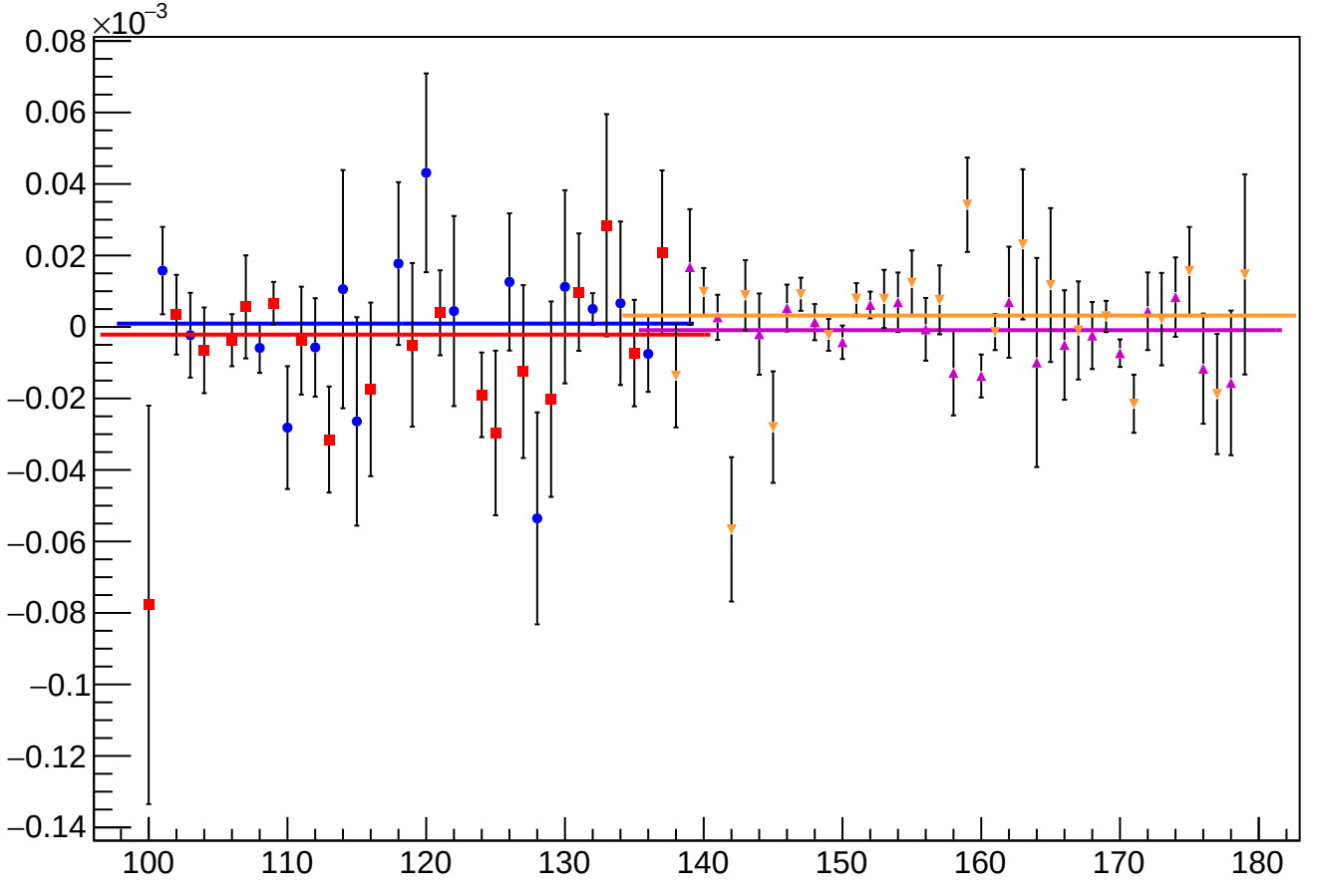
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/19

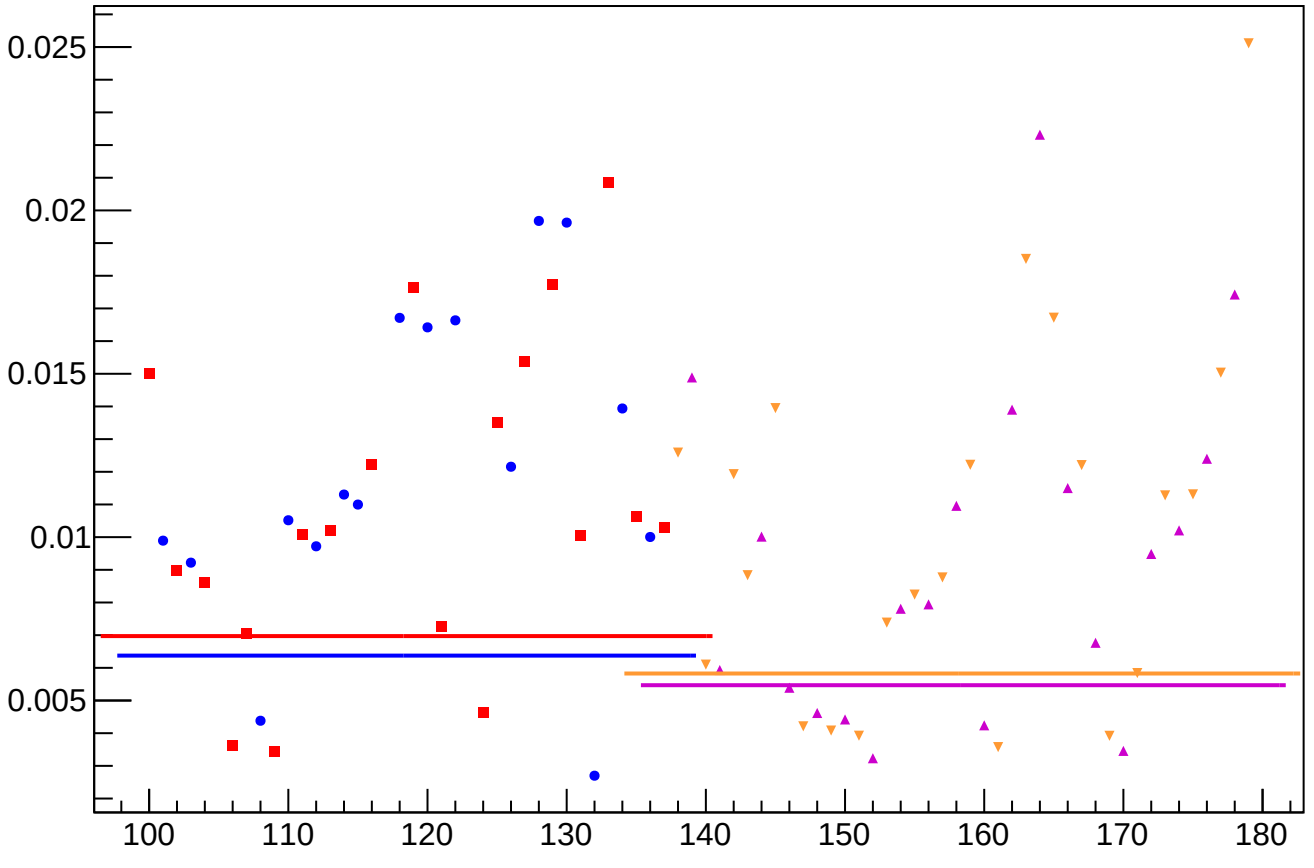
Left: 0.000+/-0.000 χ^2/NDF: 62.4/41

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:33.5/35

Out: 0.000+/-0.000 χ^2/NDF:59.4/40

All: 0.000+/-0.000 χ^2/NDF: 94.3/76



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

Left: 0.006+/-0.000 χ^2/NDF: 14549497.1/41

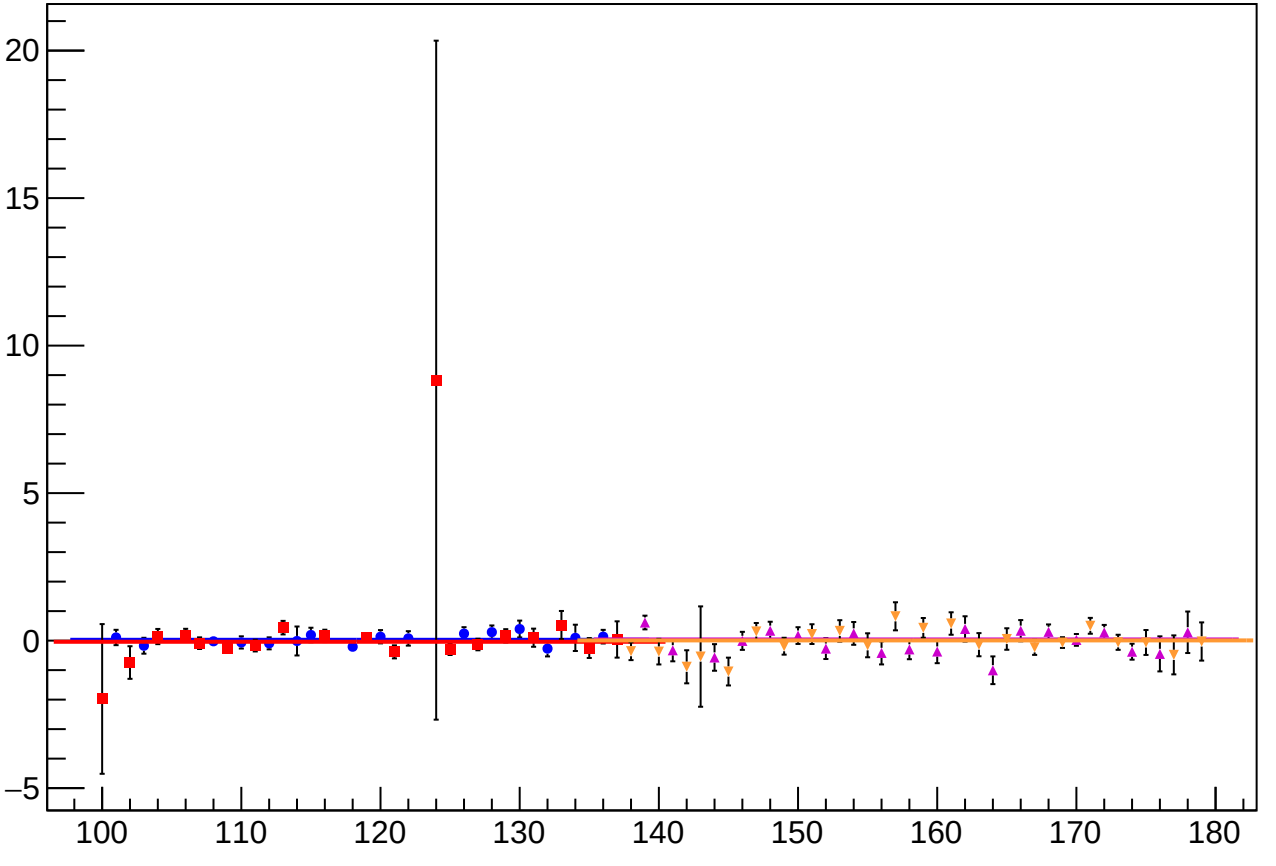
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11382330.1/35

Out: 0.006+/-0.000 χ^2/NDF:11538291.0/40

All: 0.006+/-0.000 χ^2/NDF: 23004185.0/76

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

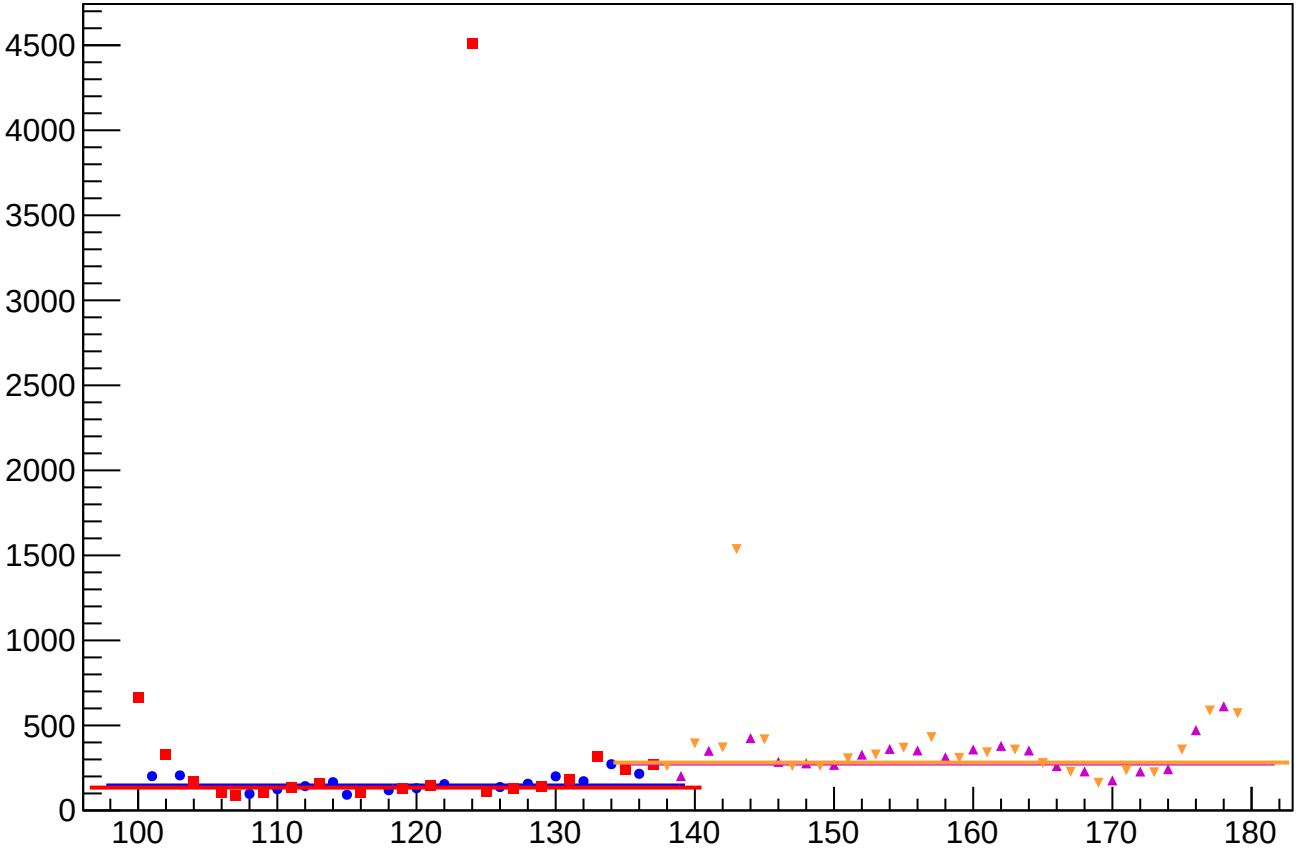
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

Left: 278.647+/-0.036 χ^2/NDF: 6291208.7/41

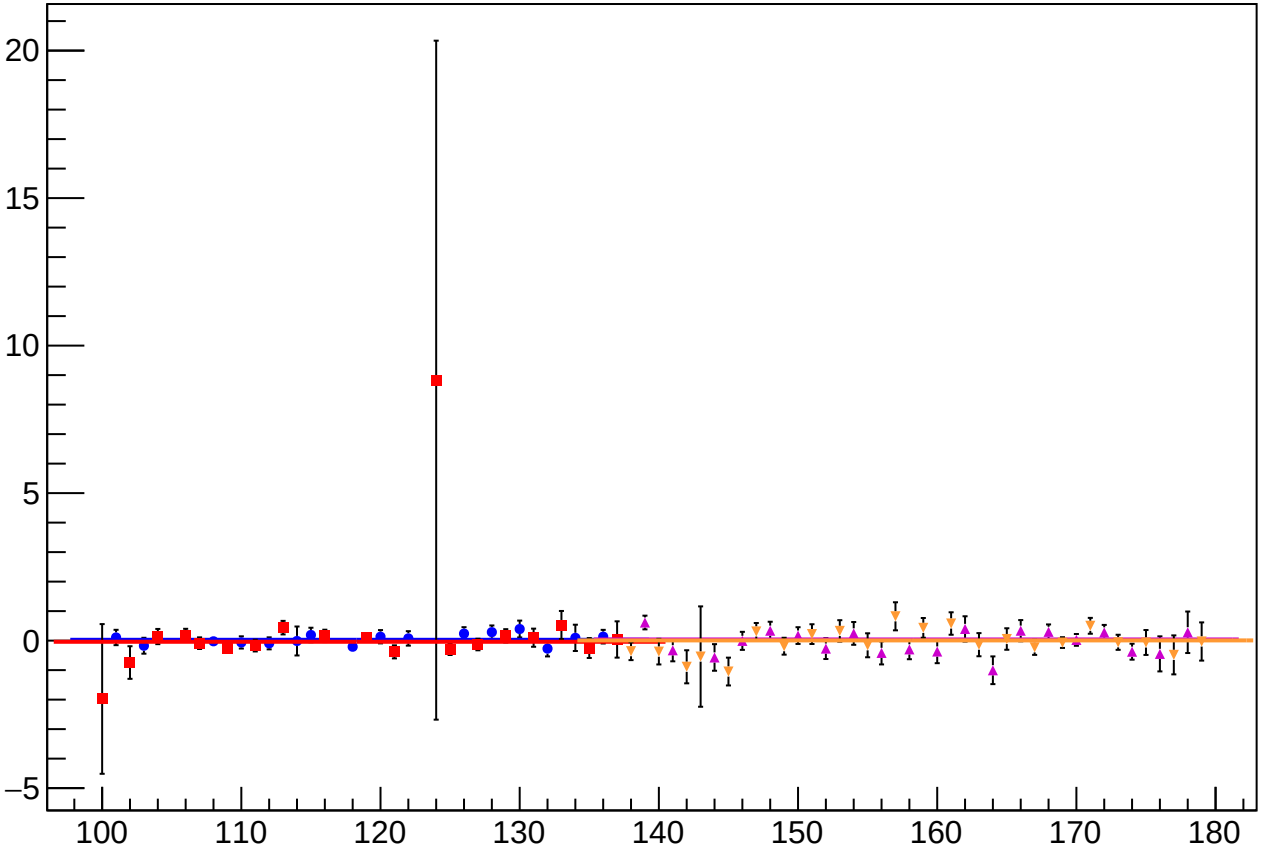
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

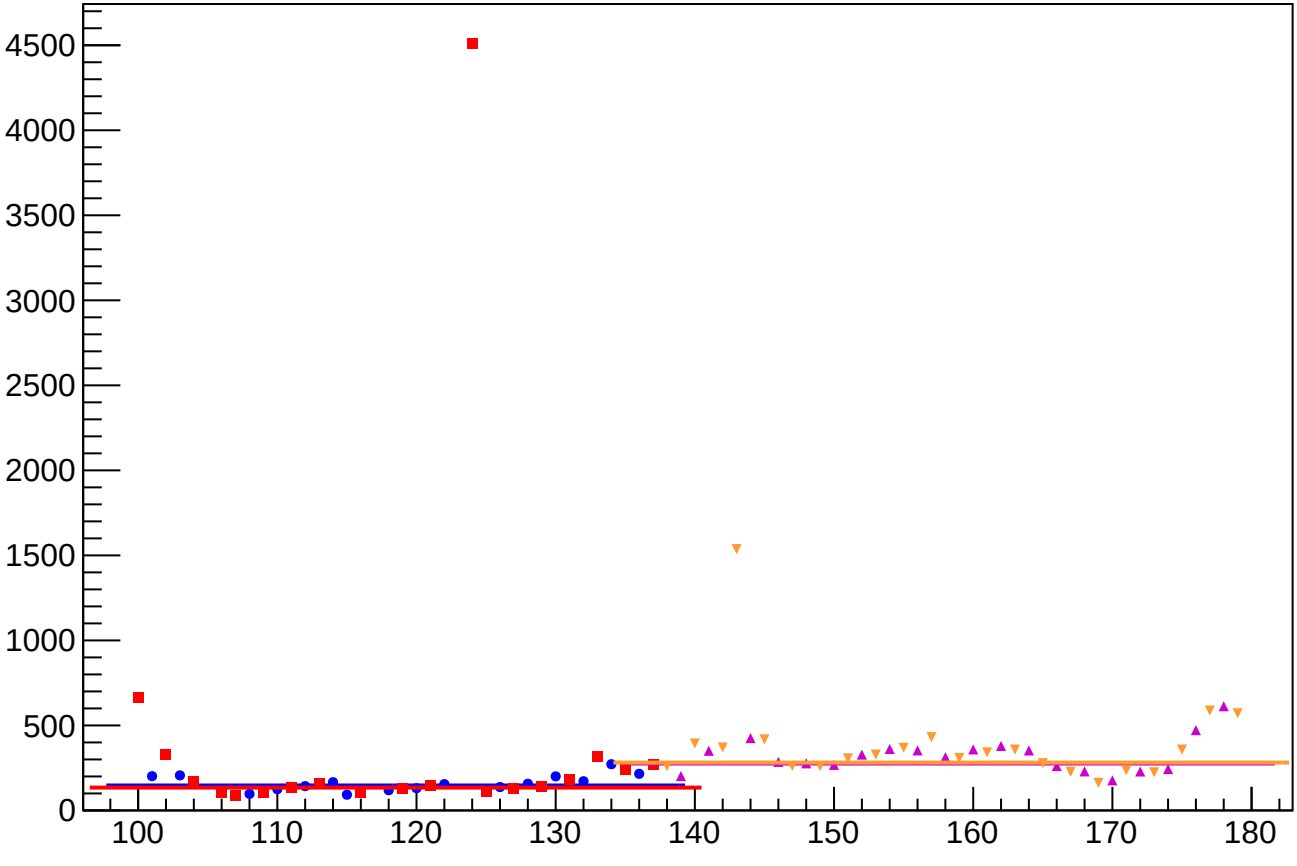
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

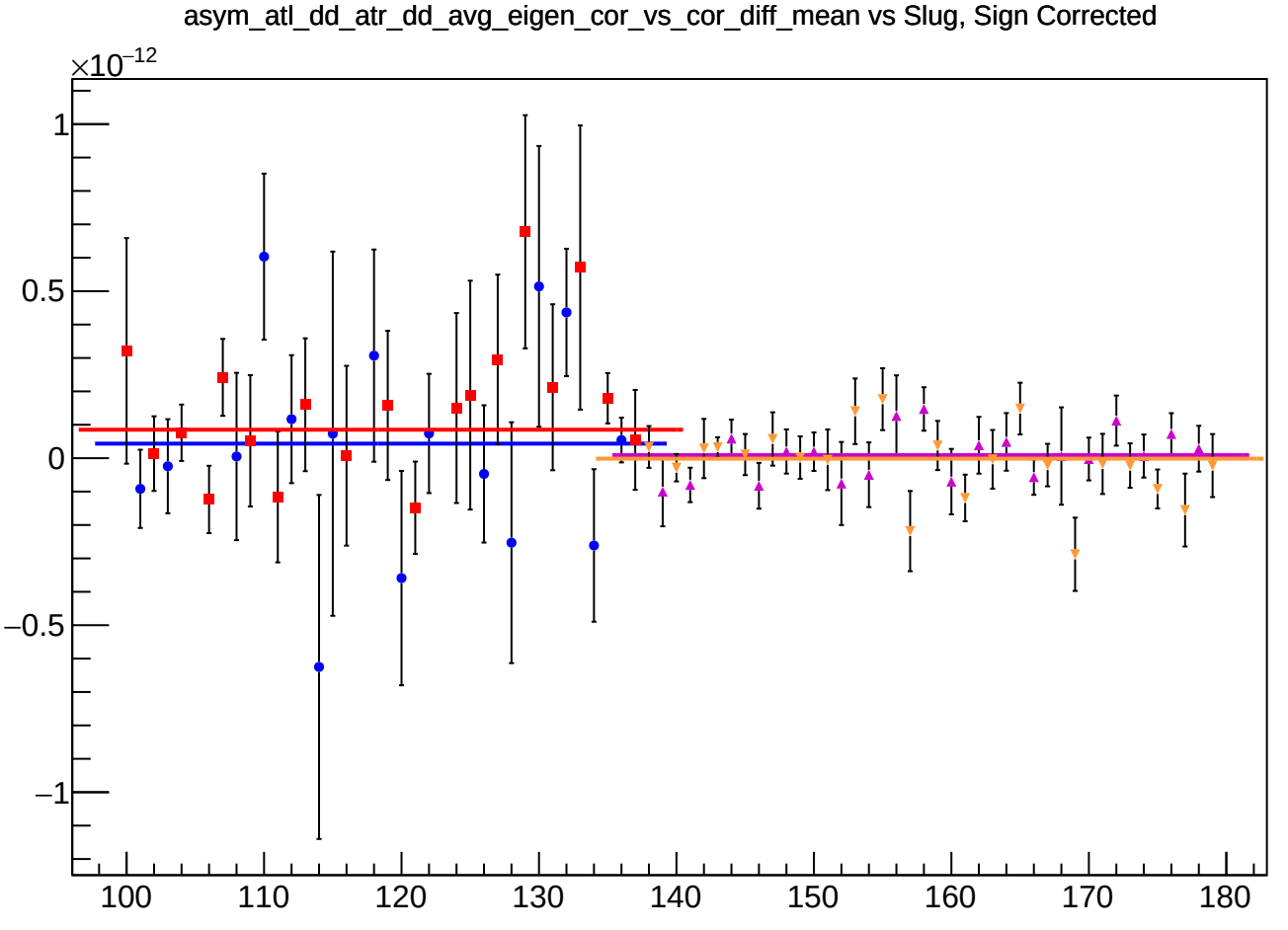
Left: 278.647+/-0.036 χ^2/NDF: 6291208.7/41

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/19

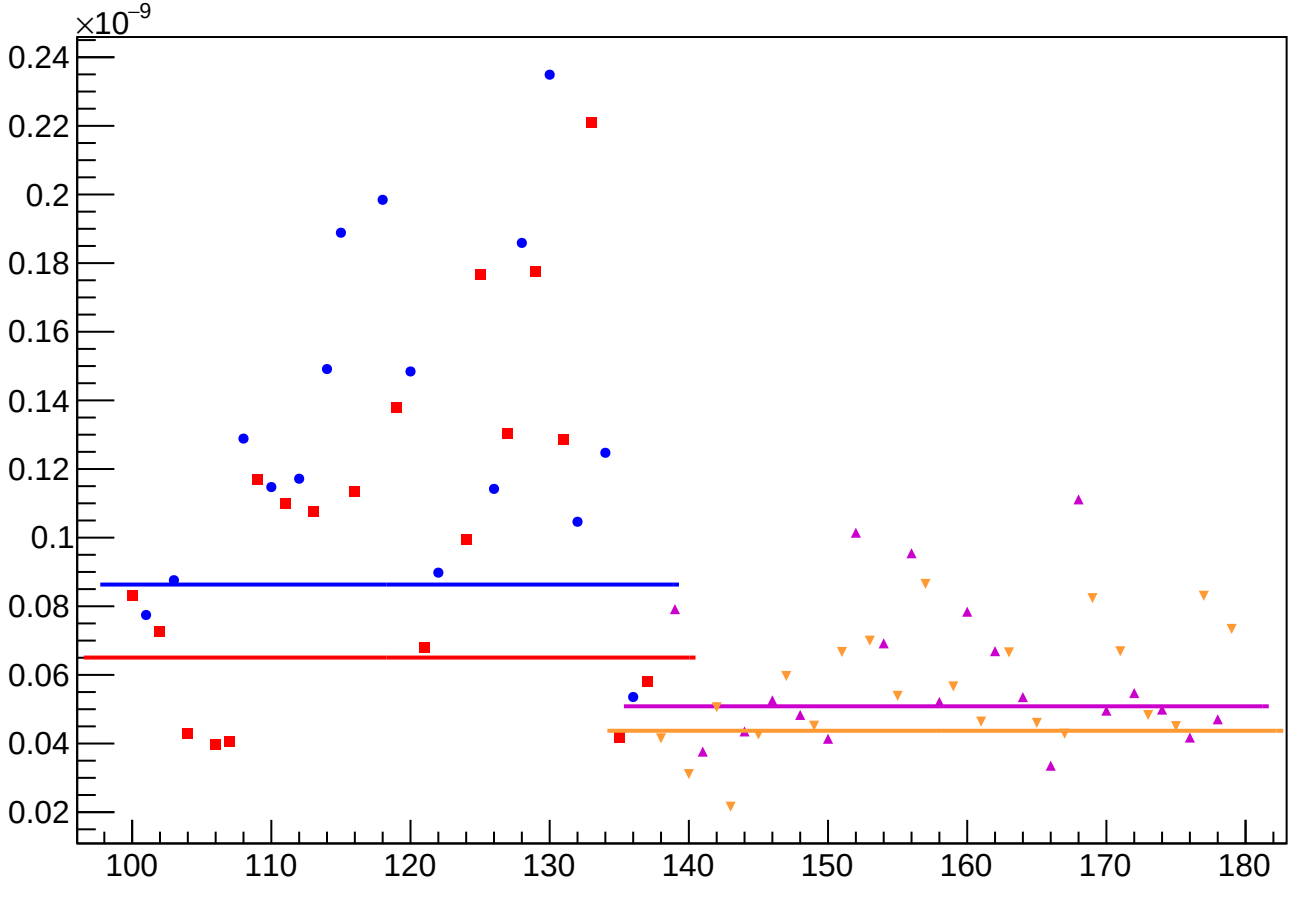
Left: 0.000+/-0.000 χ^2/NDF: 49.0/41

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:53.9/40

All: 0.000+/-0.000 χ^2/NDF: 92.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

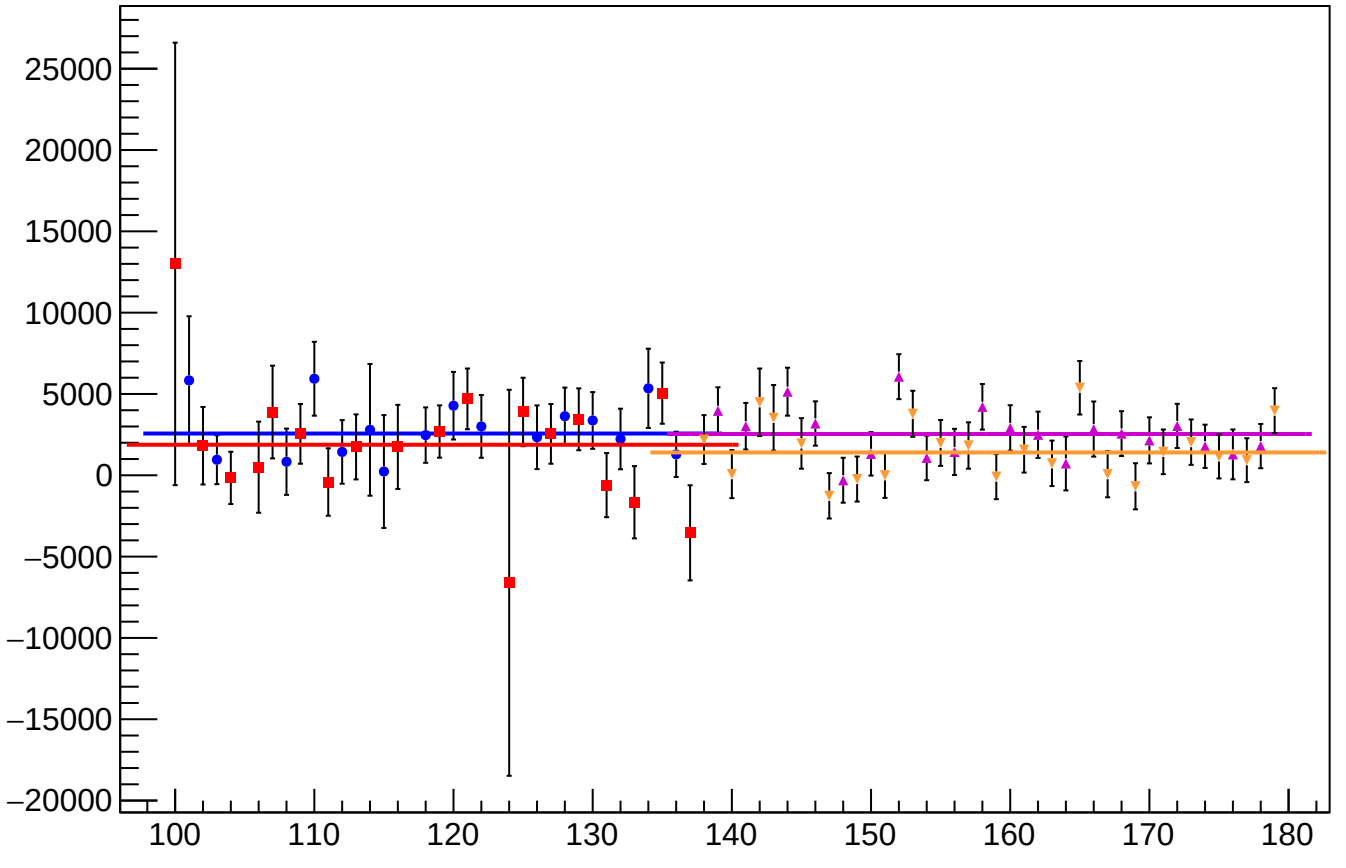
Left: 0.000+/-0.000 χ^2/NDF: 5114414.3/41

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4664067.6/35

Out: 0.000+/-0.000 χ^2/NDF:5824478.2/40

All: 0.000+/-0.000 χ^2/NDF: 10847106.3/76



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.942+/-309.969 χ^2/NDF:27.8/21

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2537.658+/-317.431 χ^2/NDF:22.0/19

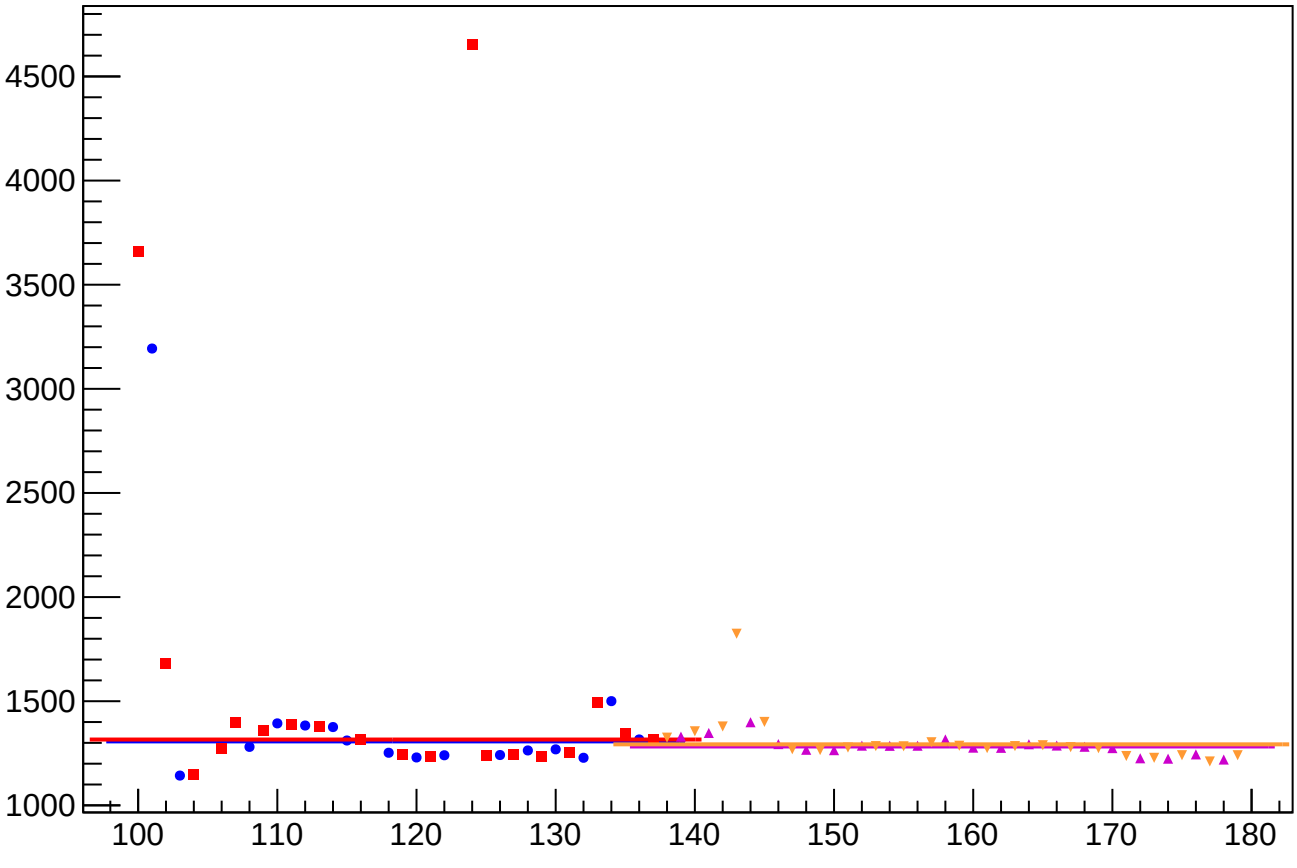
Left: 1957.317+/-221.772 χ^2/NDF: 56.3/41

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2546.333+/-267.266 χ^2/NDF:31.0/35

Out: 1537.589+/-262.669 χ^2/NDF:48.0/40

All: 2033.213+/-187.339 χ^2/NDF: 86.3/76



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

Left: 1287.889+/-0.157 χ^2/NDF: 214548.6/41

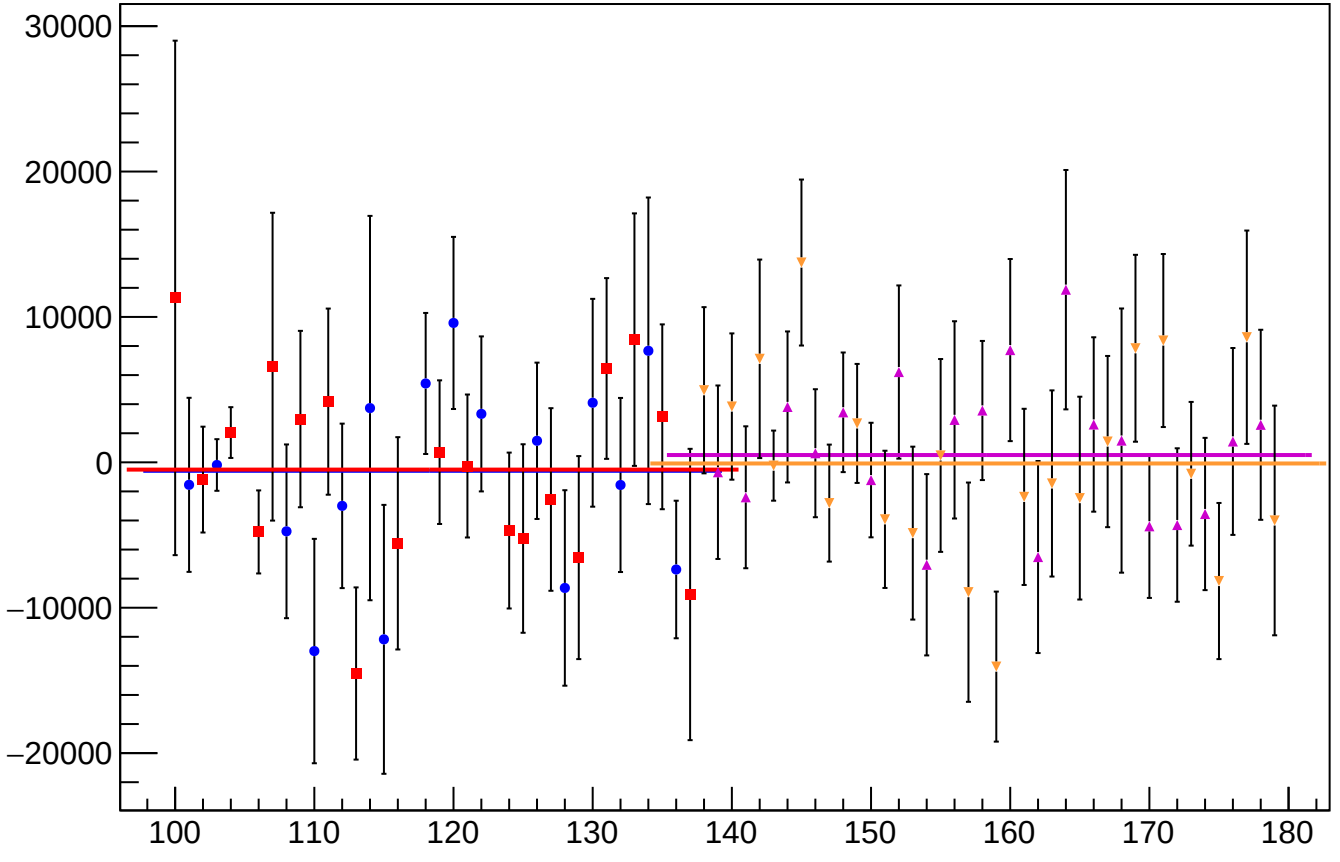
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1289.744+/-0.189 χ^2/NDF:553430.9/35

Out: 1299.439+/-0.186 χ^2/NDF:509307.4/40

All: 1294.679+/-0.132 χ^2/NDF: 1064078.0/76

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -78.651+/-1097.226 χ^2/NDF:27.1/21

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 502.032+/-1225.469 χ^2/NDF:11.5/19

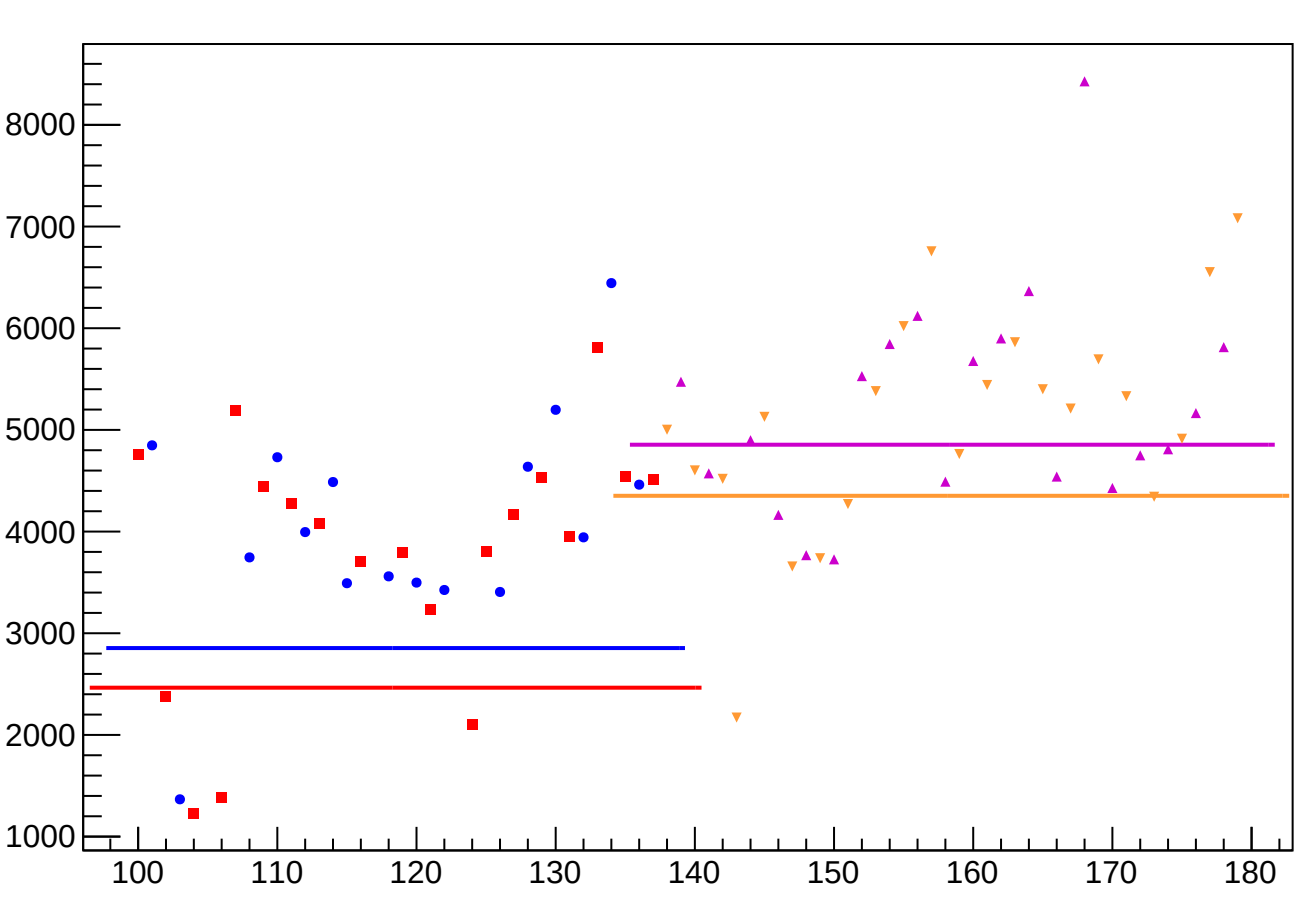
Left: 179.726+/-817.448 χ^2/NDF: 38.7/41

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -54.490+/-854.776 χ^2/NDF:26.6/35

Out: -297.554+/-760.650 χ^2/NDF:44.9/40

All: -190.136+/-568.236 χ^2/NDF: 71.6/76



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4351.866+/-0.776 χ^2/NDF:3059565.7/21

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4854.234+/-0.867 χ^2/NDF:1068923.9/19

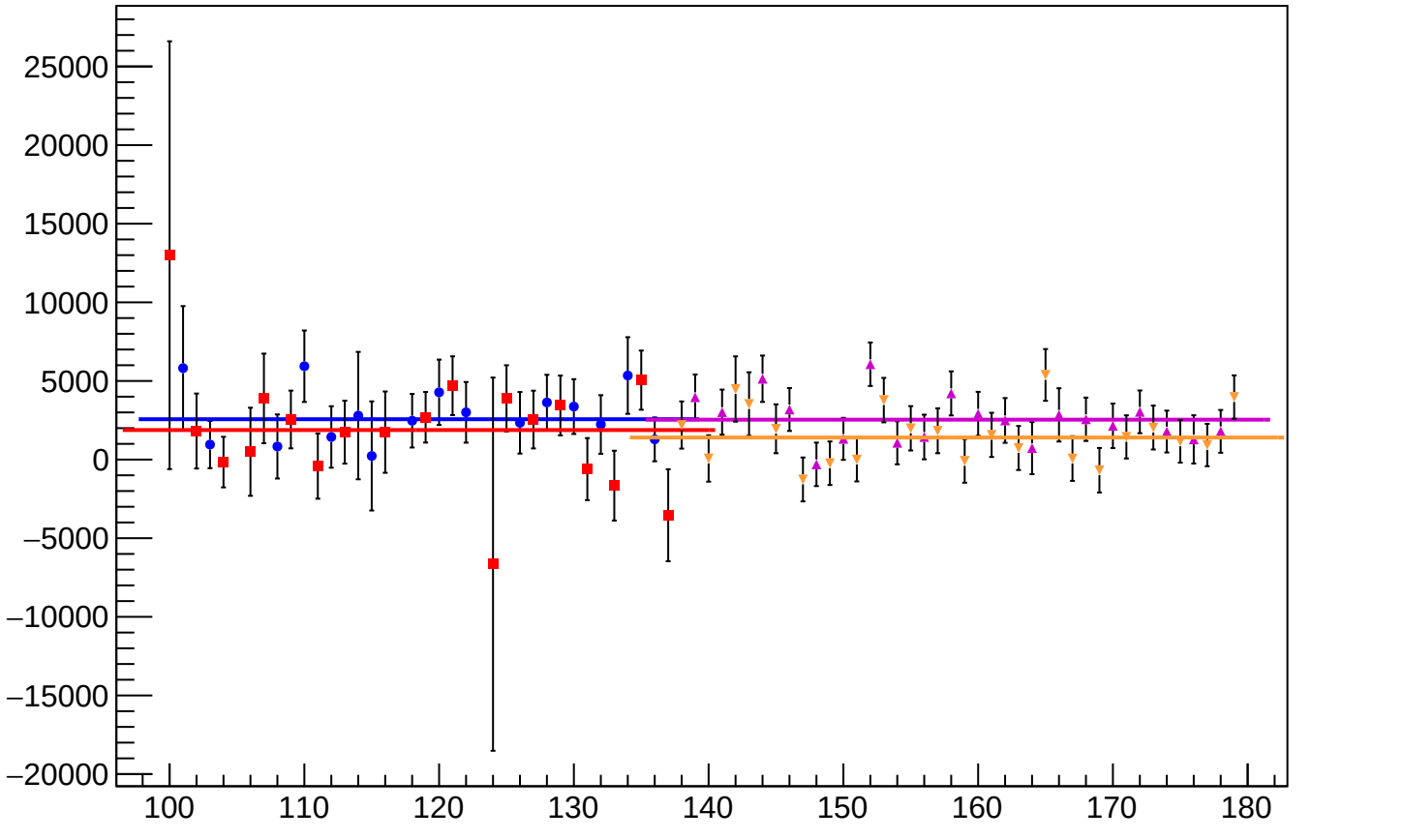
Left: 4575.397+/-0.578 χ^2/NDF: 4315040.9/41

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3827.306+/-0.604 χ^2/NDF:6708895.5/35

Out: 3371.603+/-0.538 χ^2/NDF:9488882.7/40

All: 3572.992+/-0.402 χ^2/NDF: 16515010.2/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2537.655+/-317.431 χ^2/NDF:22.0/19

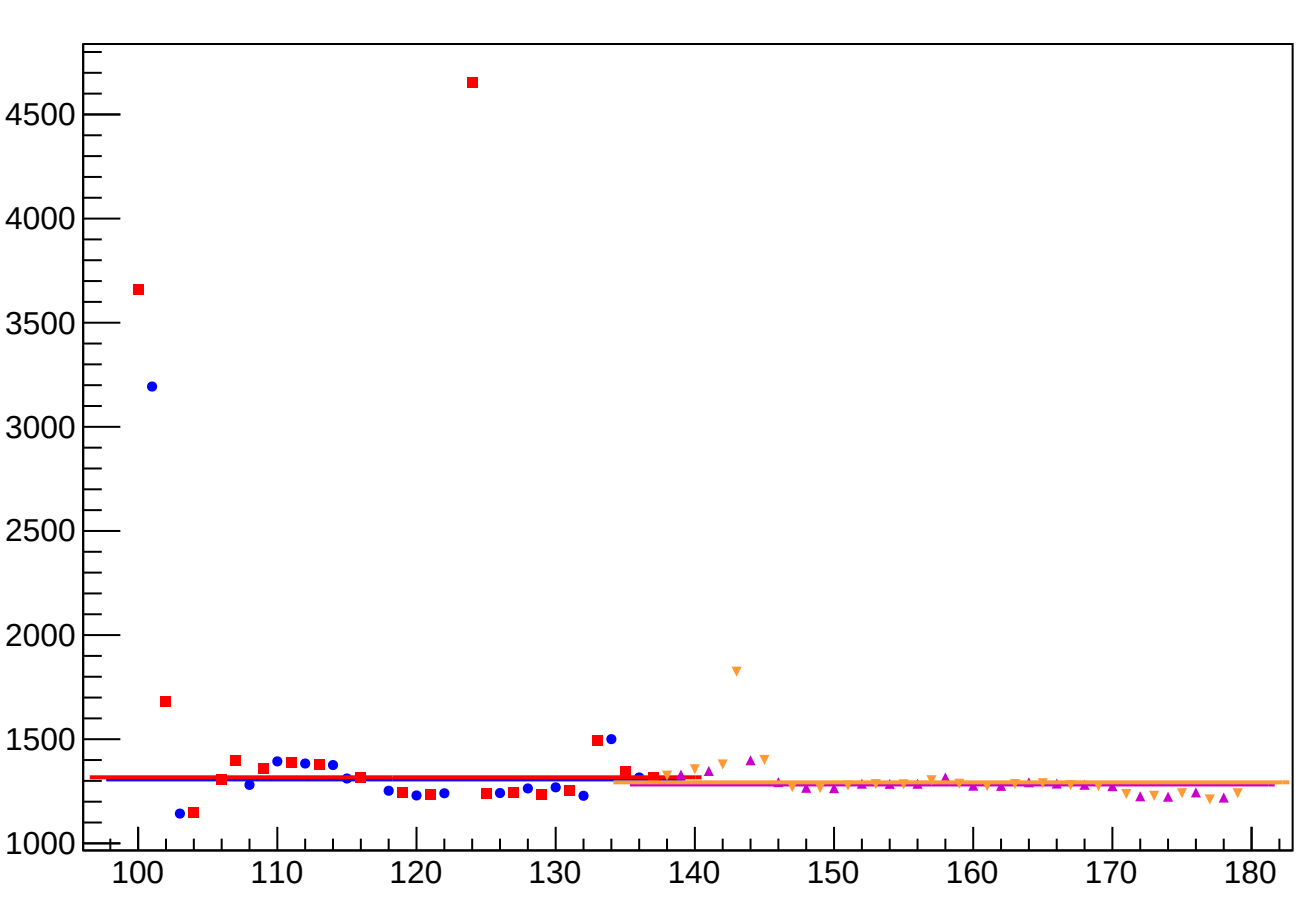
Left: 1957.284+/-221.772 χ^2/NDF: 56.3/41

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2546.250+/-267.266 χ^2/NDF:31.0/35

Out: 1537.473+/-262.669 χ^2/NDF:48.0/40

All: 2033.112+/-187.339 χ^2/NDF: 86.3/76



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

Left: 1287.889+/-0.157 χ^2/NDF: 214548.6/41

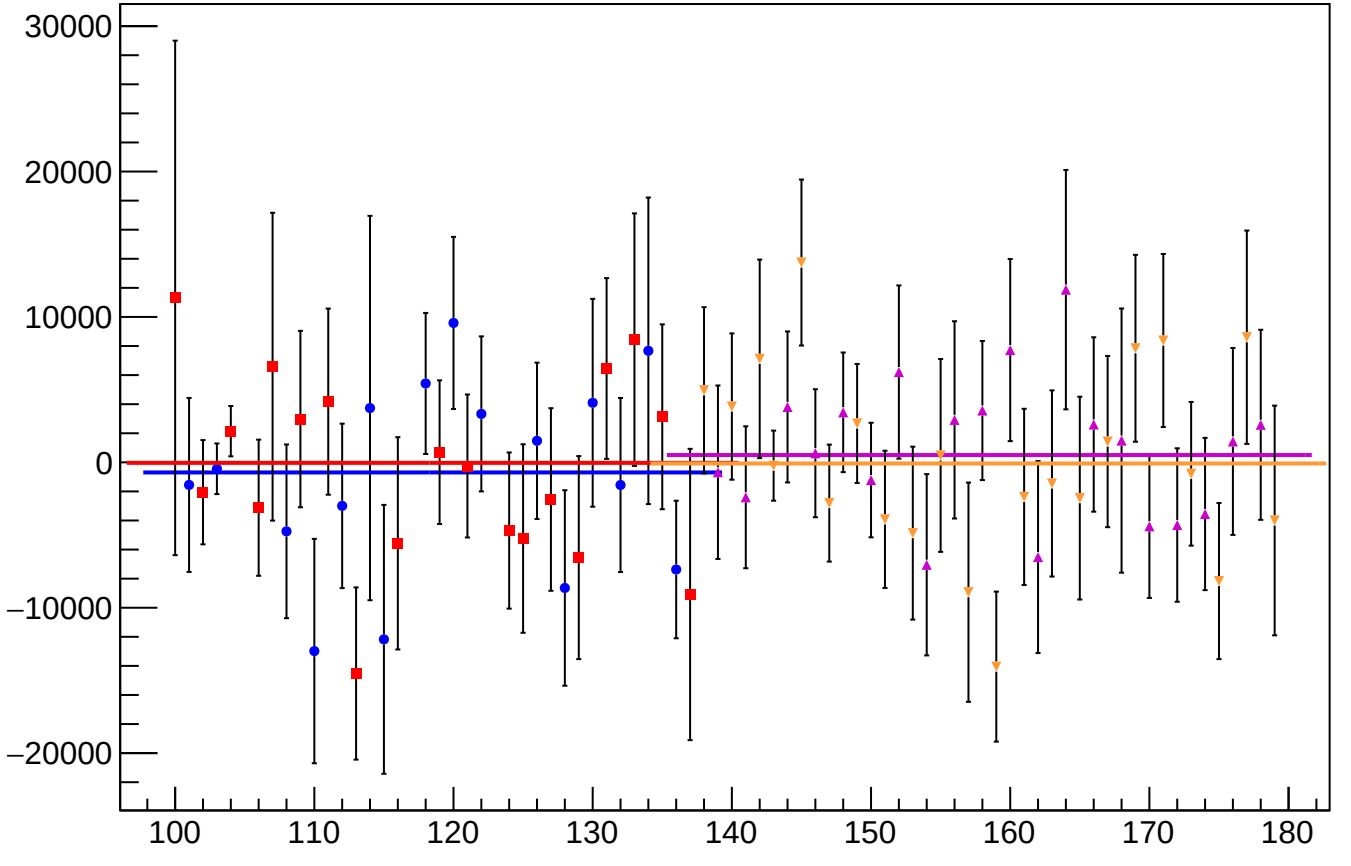
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1289.744+/-0.189 χ^2/NDF:553432.4/35

Out: 1299.751+/-0.186 χ^2/NDF:509125.0/40

All: 1294.837+/-0.132 χ^2/NDF: 1063984.3/76

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -78.670+/-1097.223 χ^2/NDF:27.1/21

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 502.093+/-1225.469 χ^2/NDF:11.5/19

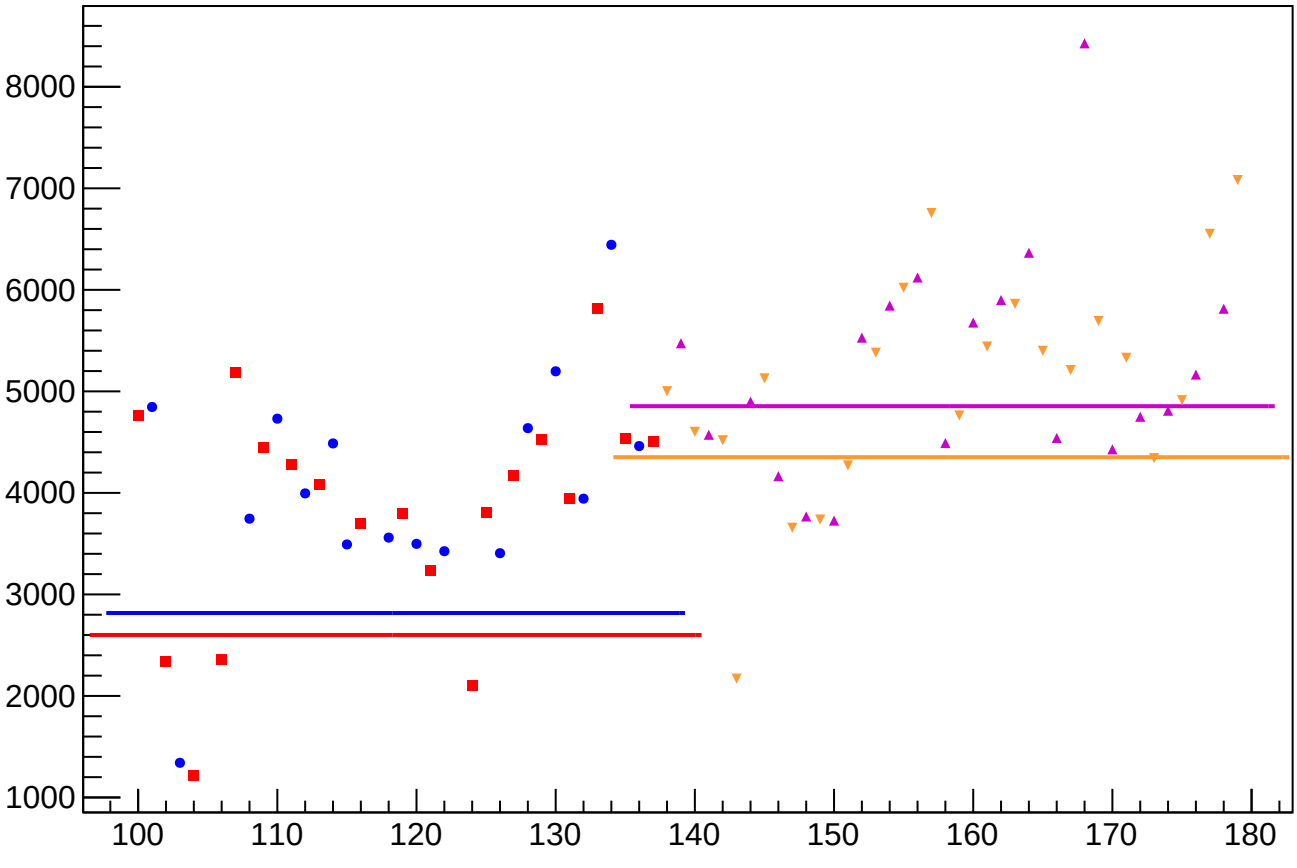
Left: 179.742+/-817.447 χ^2/NDF: 38.7/41

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -117.971+/-850.914 χ^2/NDF:26.6/35

Out: -57.411+/-776.201 χ^2/NDF:43.1/40

All: -84.916+/-573.455 χ^2/NDF: 69.7/76



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

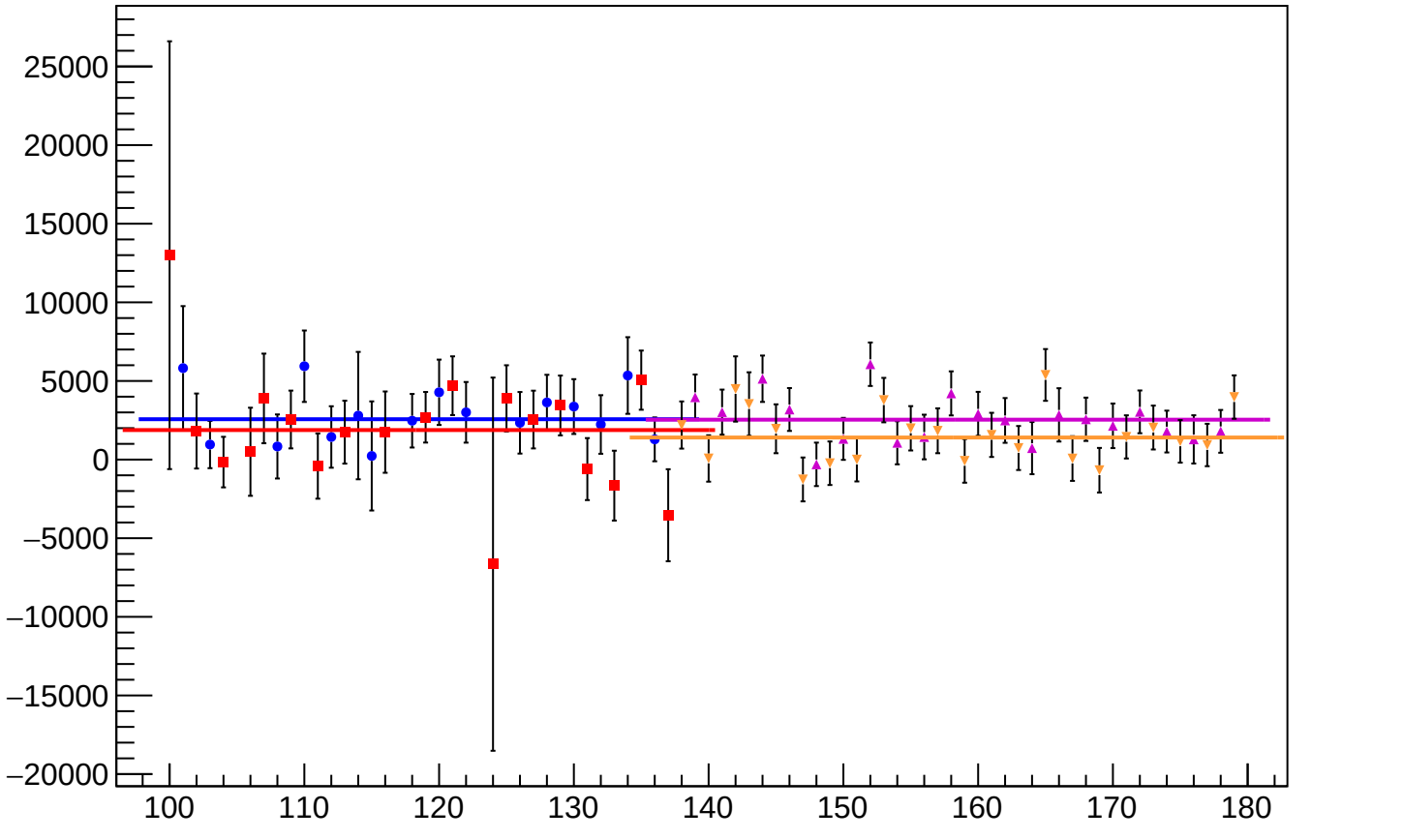
Left: 4575.385+/-0.578 χ^2/NDF: 4315156.8/41

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3799.105+/-0.602 χ^2/NDF:6939477.4/35

Out: 3476.971+/-0.549 χ^2/NDF:8685814.1/40

All: 3623.277+/-0.405 χ^2/NDF: 15781744.3/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1403.880+/-309.969 χ^2/NDF:27.8/21

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2537.655+/-317.431 χ^2/NDF:22.0/19

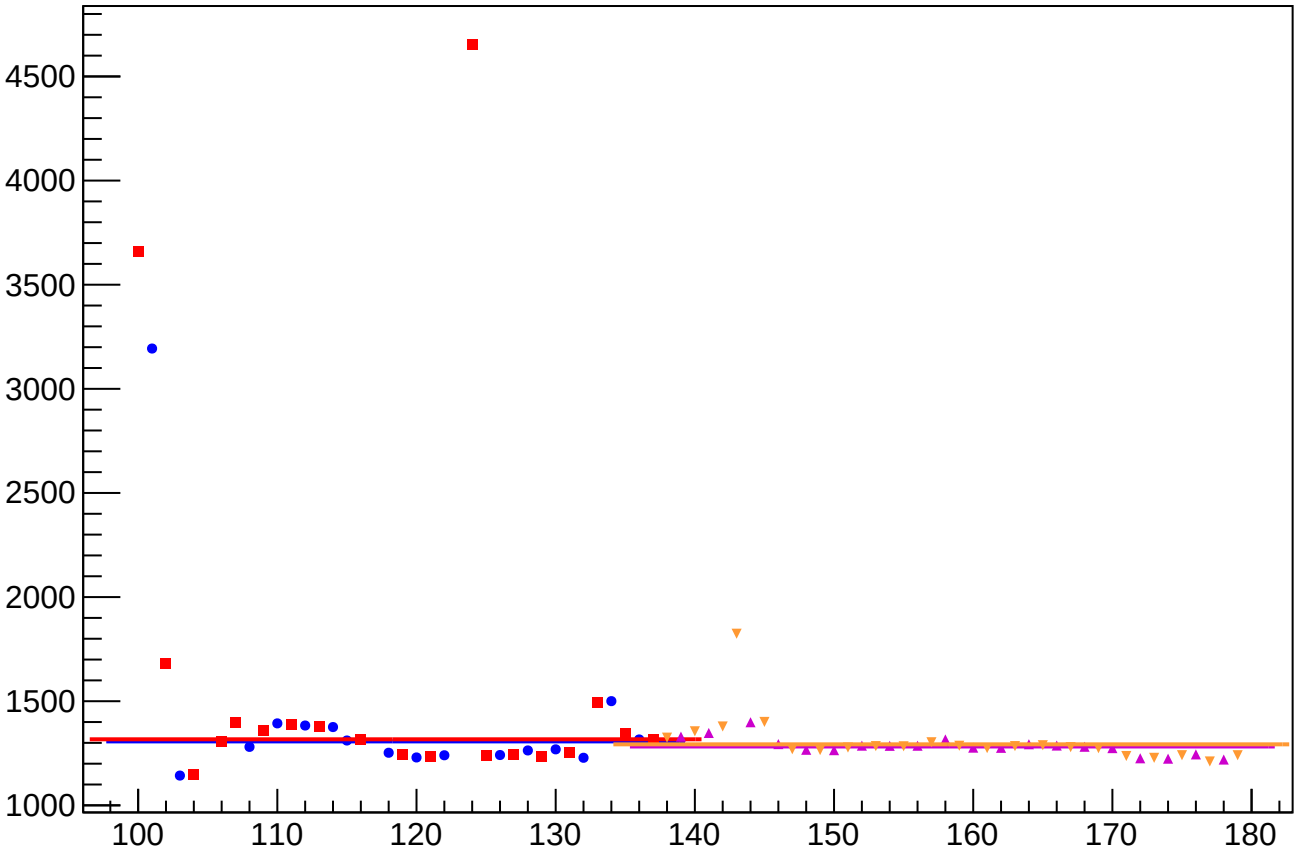
Left: 1957.284+/-221.772 χ^2/NDF: 56.3/41

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2546.250+/-267.266 χ^2/NDF:31.0/35

Out: 1537.473+/-262.669 χ^2/NDF:48.0/40

All: 2033.112+/-187.339 χ^2/NDF: 86.3/76



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1292.903+/-0.219 χ^2/NDF:179745.1/21

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1282.630+/-0.224 χ^2/NDF:33731.3/19

Left: 1287.889+/-0.157 χ^2/NDF: 214548.6/41

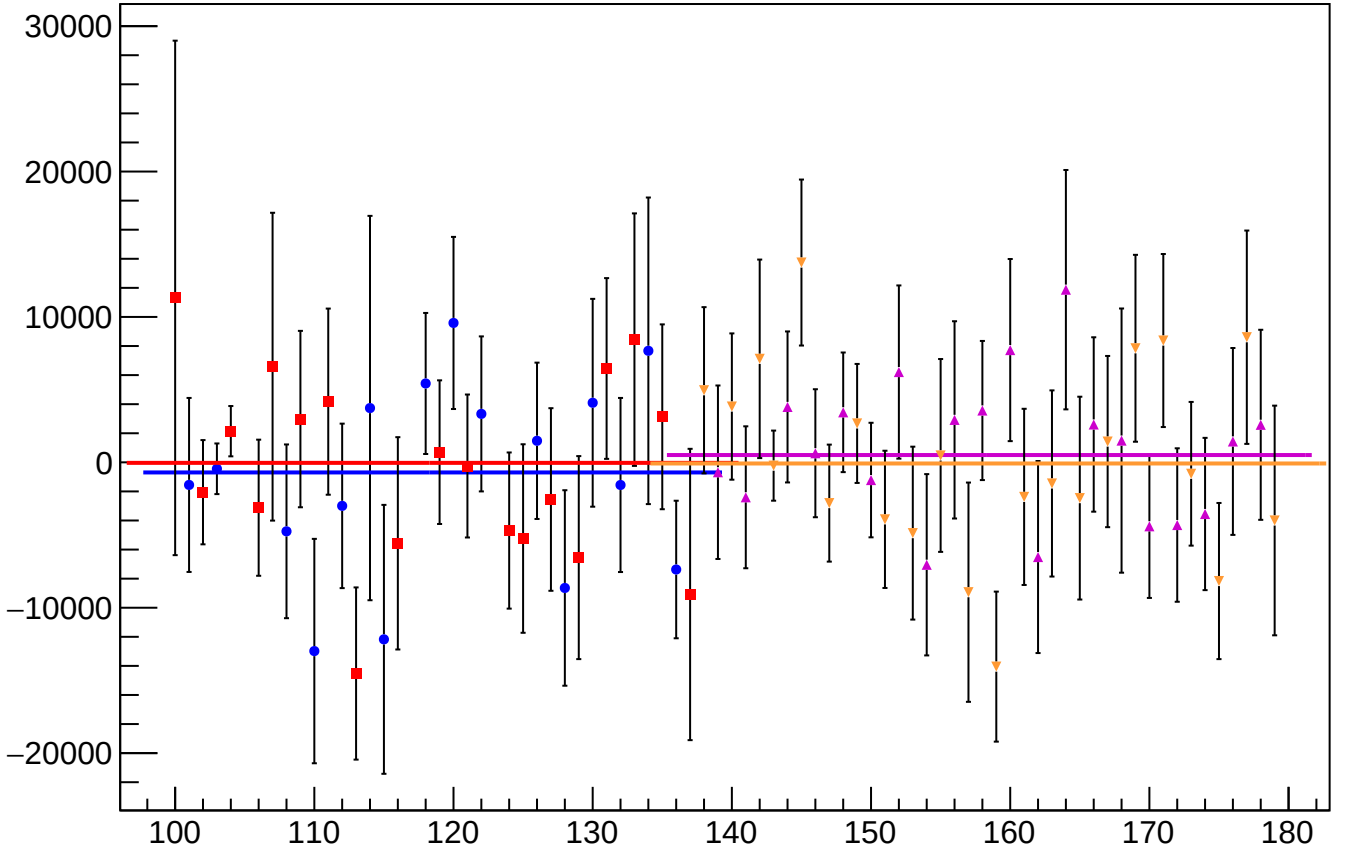
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1289.744+/-0.189 χ^2/NDF:553432.4/35

Out: 1299.751+/-0.186 χ^2/NDF:509125.0/40

All: 1294.837+/-0.132 χ^2/NDF: 1063984.3/76

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -78.670+/-1097.223 χ^2/NDF:27.1/21

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 502.093+/-1225.469 χ^2/NDF:11.5/19

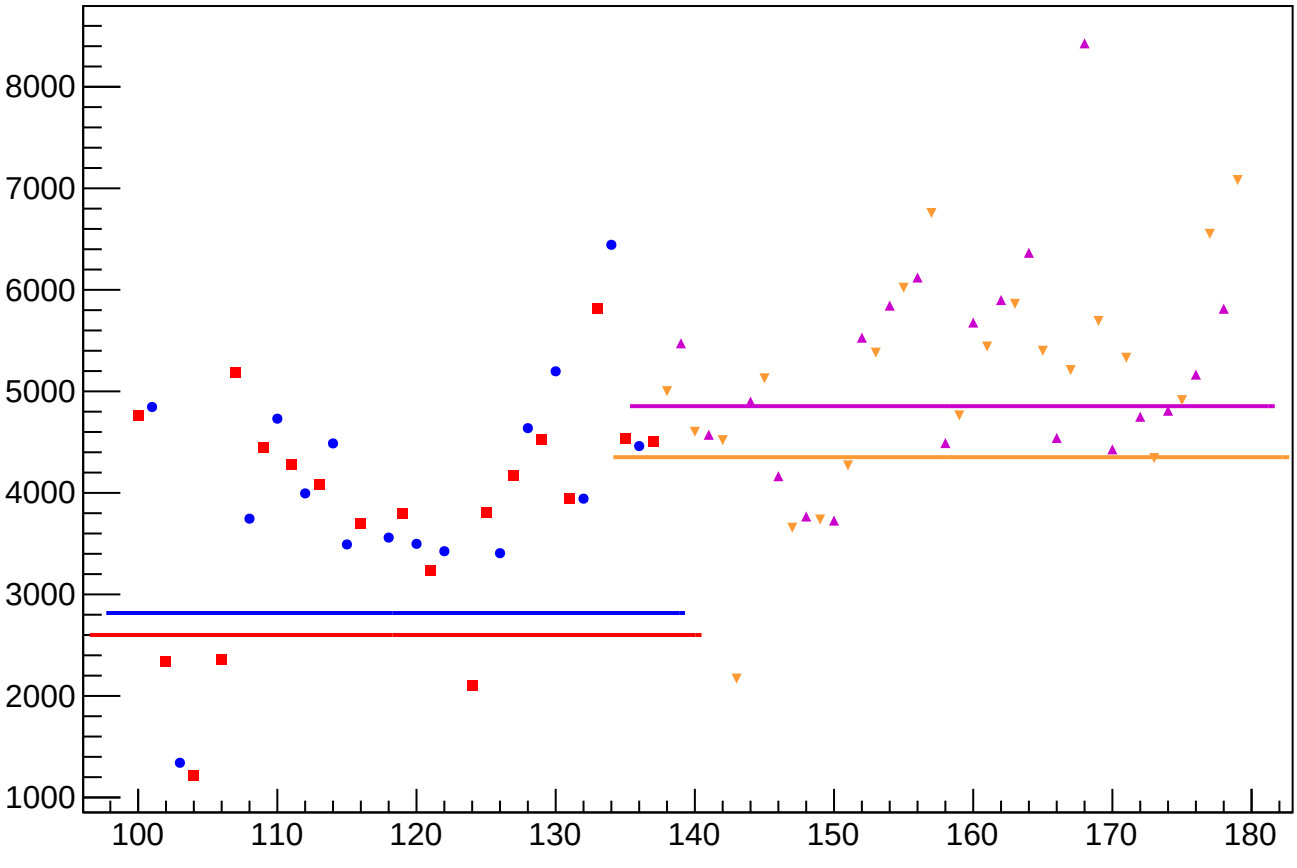
Left: 179.742+/-817.447 χ^2/NDF: 38.7/41

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -117.971+/-850.914 χ^2/NDF:26.6/35

Out: -57.411+/-776.201 χ^2/NDF:43.1/40

All: -84.916+/-573.455 χ^2/NDF: 69.7/76



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4351.847+/-0.776 χ^2/NDF:3059659.1/21

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

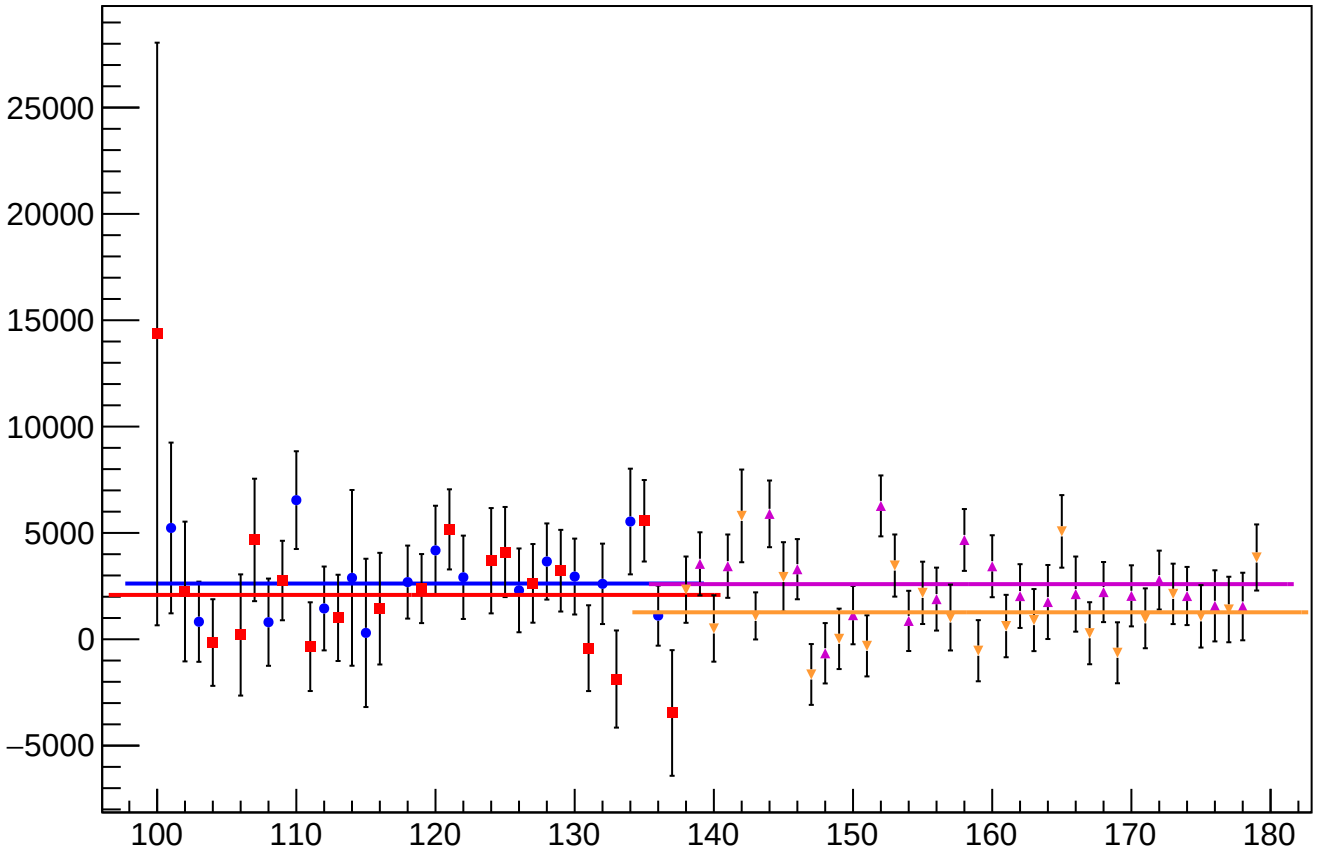
Left: 4575.385+/-0.578 χ^2/NDF: 4315156.8/41

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3799.105+/-0.602 χ^2/NDF:6939477.4/35

Out: 3476.971+/-0.549 χ^2/NDF:8685814.1/40

All: 3623.277+/-0.405 χ^2/NDF: 15781744.3/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1268.331+/-315.299 χ^2/NDF:27.1/21

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2592.442+/-331.116 χ^2/NDF:24.1/19

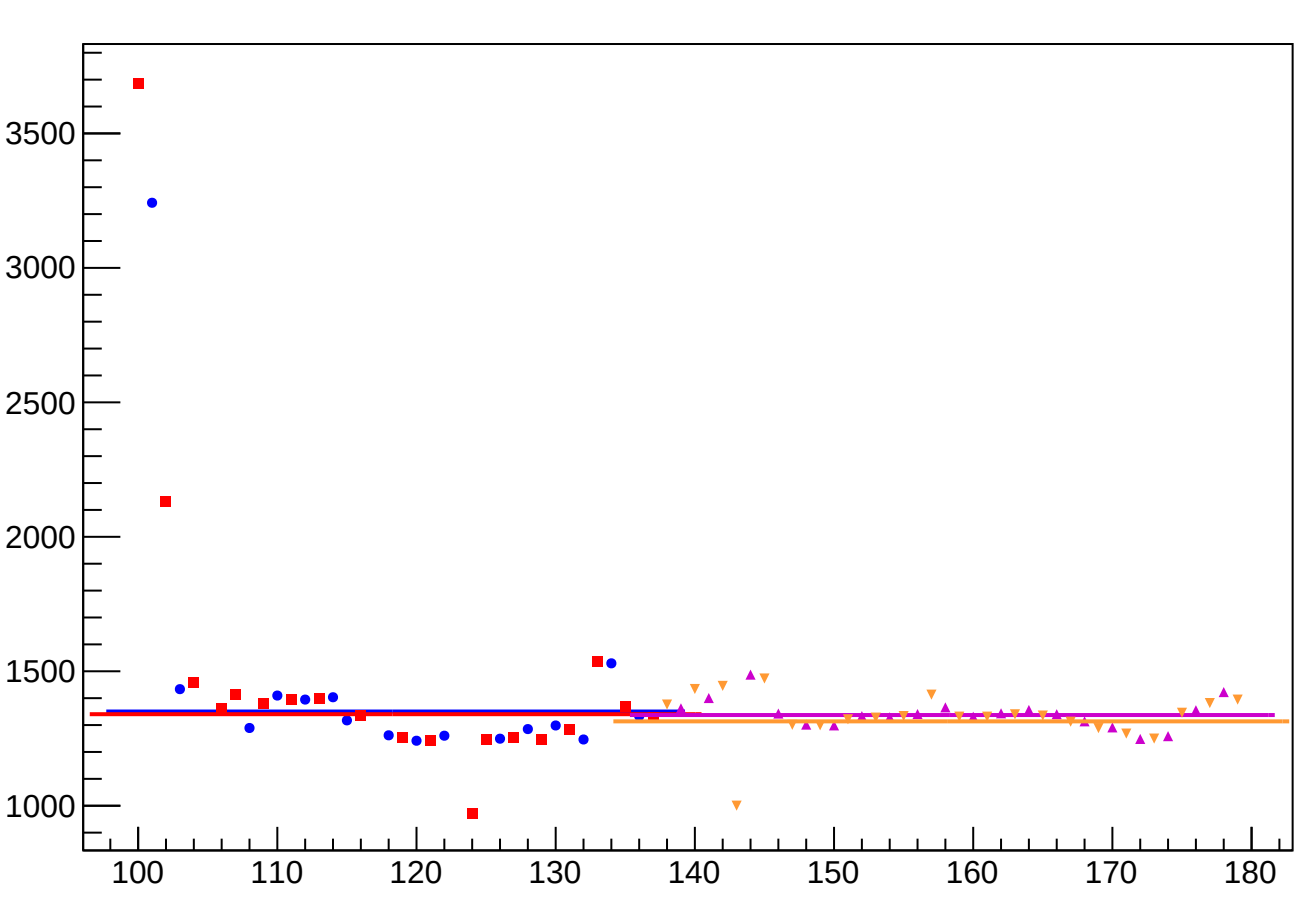
Left: 1898.007+/-228.337 χ^2/NDF: 59.7/41

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2600.738+/-277.961 χ^2/NDF:33.5/35

Out: 1497.645+/-267.432 χ^2/NDF:50.0/40

All: 2027.904+/-192.718 χ^2/NDF: 91.6/76



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1313.751+/-0.223 χ^2/NDF:229531.9/21

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1337.302+/-0.234 χ^2/NDF:50030.2/19

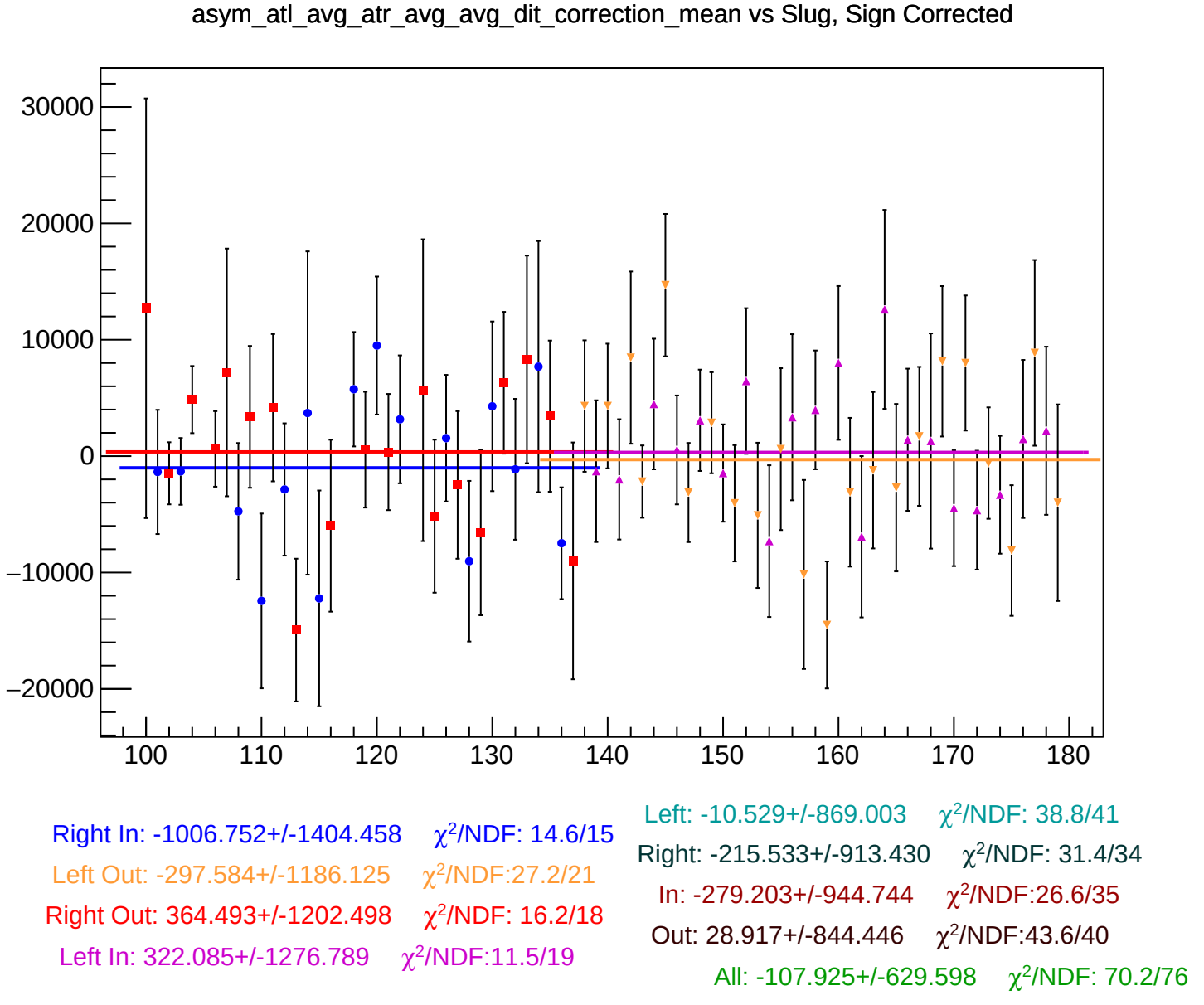
Left: 1324.951+/-0.161 χ^2/NDF: 284868.0/41

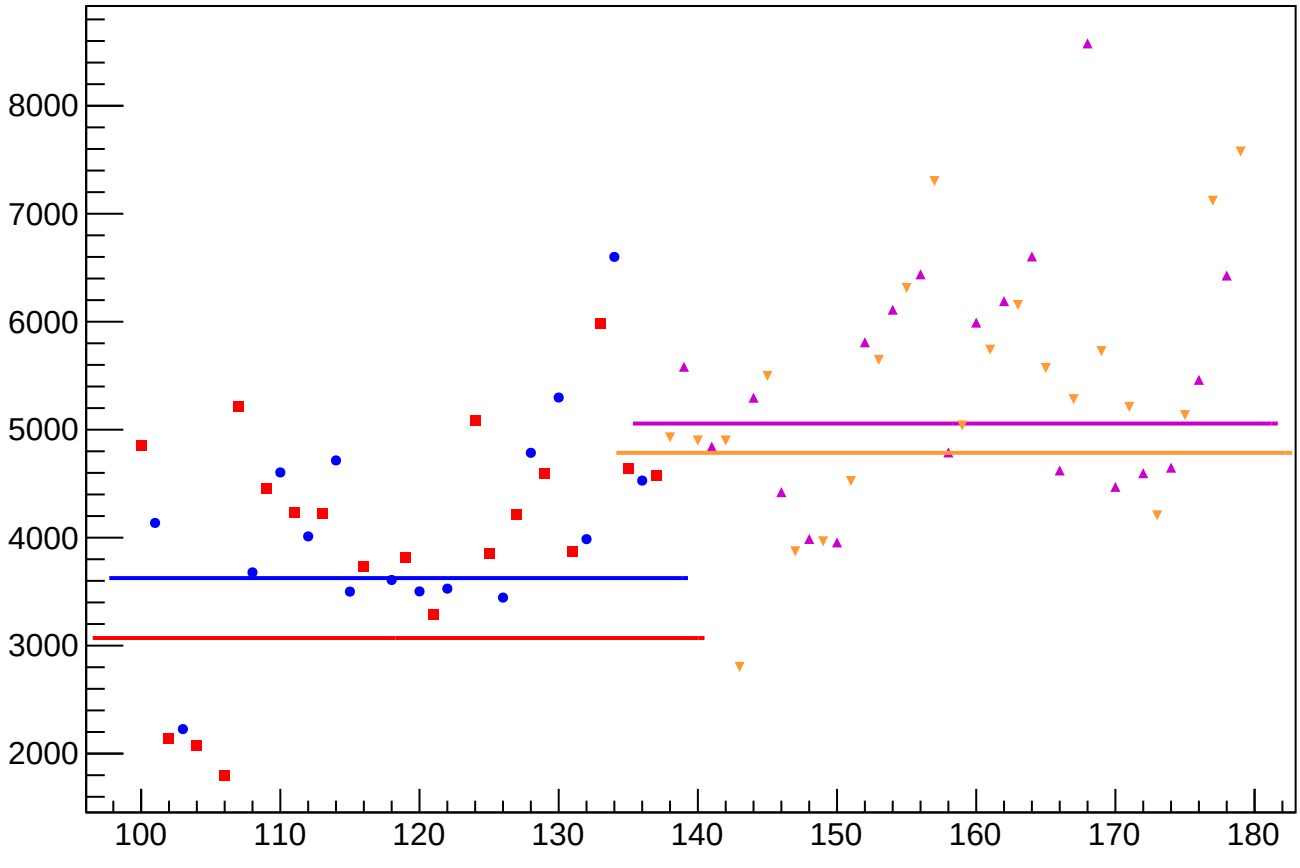
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1341.160+/-0.197 χ^2/NDF:545001.1/35

Out: 1321.243+/-0.189 χ^2/NDF:505736.2/40

All: 1330.816+/-0.136 χ^2/NDF: 1056070.7/76


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -297.584+/-1186.125 χ²/NDF:27.2/21
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 322.085+/-1276.789 χ²/NDF:11.5/19
Left: -10.529+/-869.003 χ²/NDF: 38.8/41
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -279.203+/-944.744 χ²/NDF:26.6/35
Out: 28.917+/-844.446 χ²/NDF:43.6/40
All: -107.925+/-629.598 χ²/NDF: 70.2/76



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4785.621+/-0.839 χ^2/NDF:1988941.1/21

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5056.899+/-0.903 χ^2/NDF:1075167.9/19

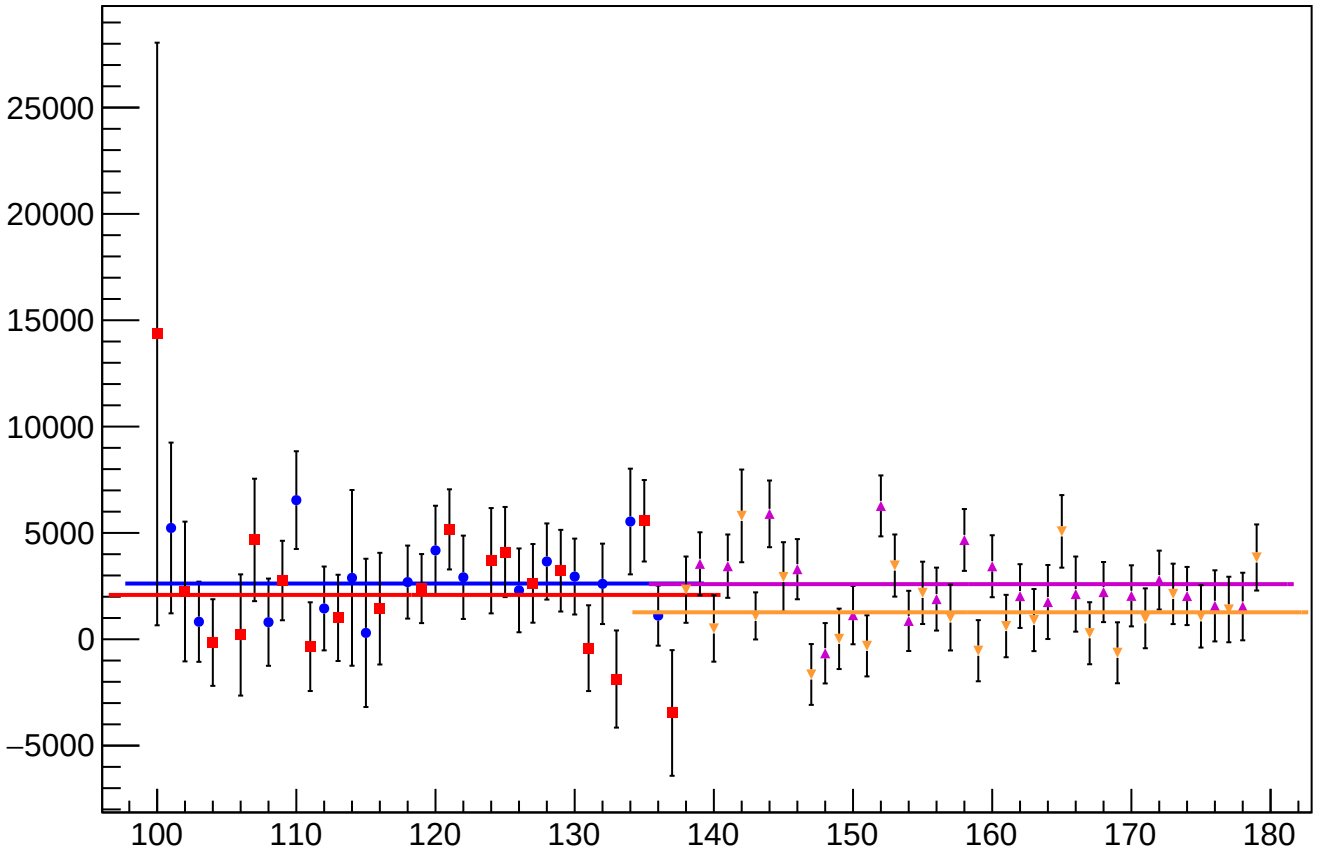
Left: 4911.287+/-0.614 χ^2/NDF: 3112571.4/41

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4409.208+/-0.668 χ^2/NDF:3157483.8/35

Out: 3939.788+/-0.597 χ^2/NDF:5889952.4/40

All: 4148.266+/-0.445 χ^2/NDF: 9321914.1/76



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1268.326+/-315.300 χ^2/NDF:27.1/21

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2592.444+/-331.117 χ^2/NDF:24.1/19

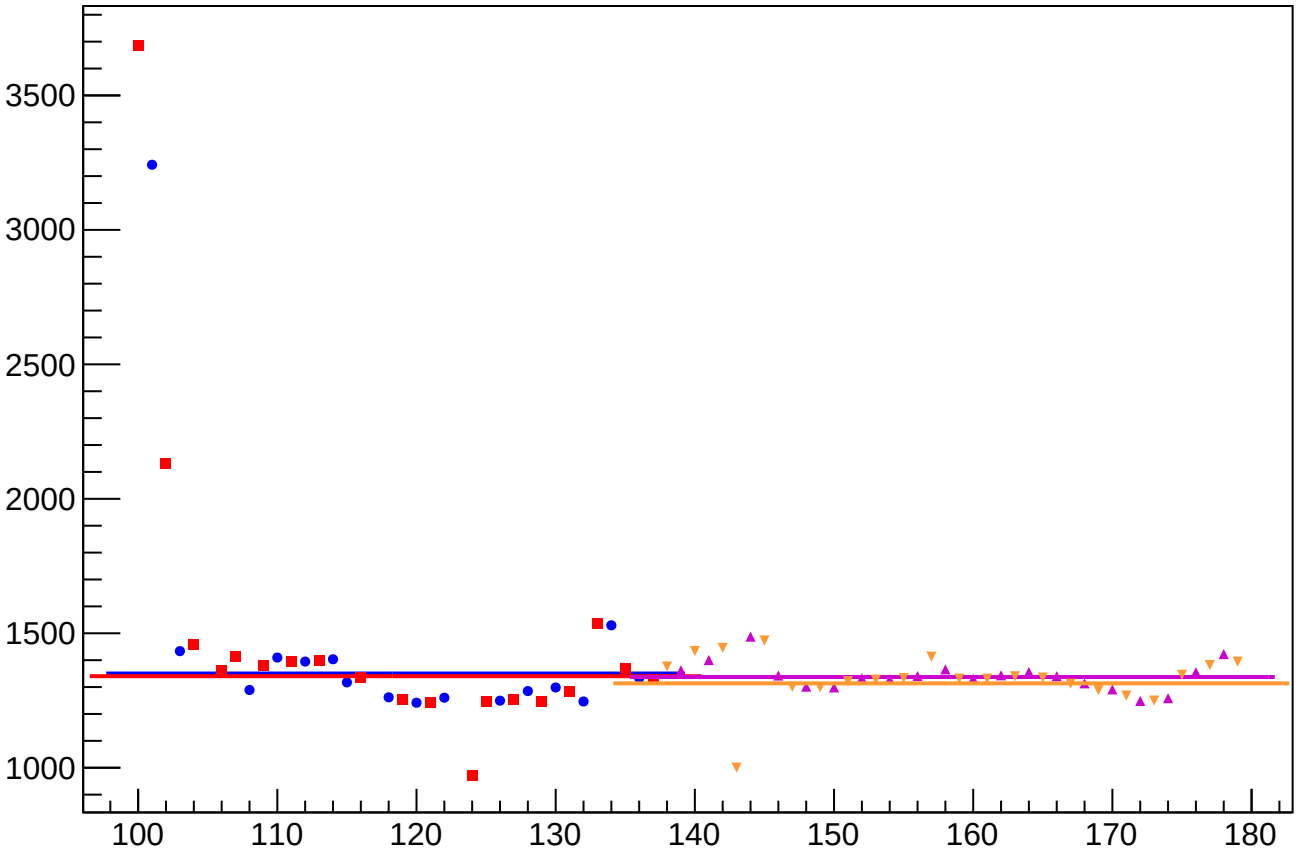
Left: 1898.005+/-228.338 χ^2/NDF: 59.7/41

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2600.739+/-277.961 χ^2/NDF:33.5/35

Out: 1497.643+/-267.432 χ^2/NDF:50.0/40

All: 2027.903+/-192.718 χ^2/NDF: 91.6/76



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1313.753+/-0.223 χ^2/NDF:229534.6/21

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1337.303+/-0.234 χ^2/NDF:50032.4/19

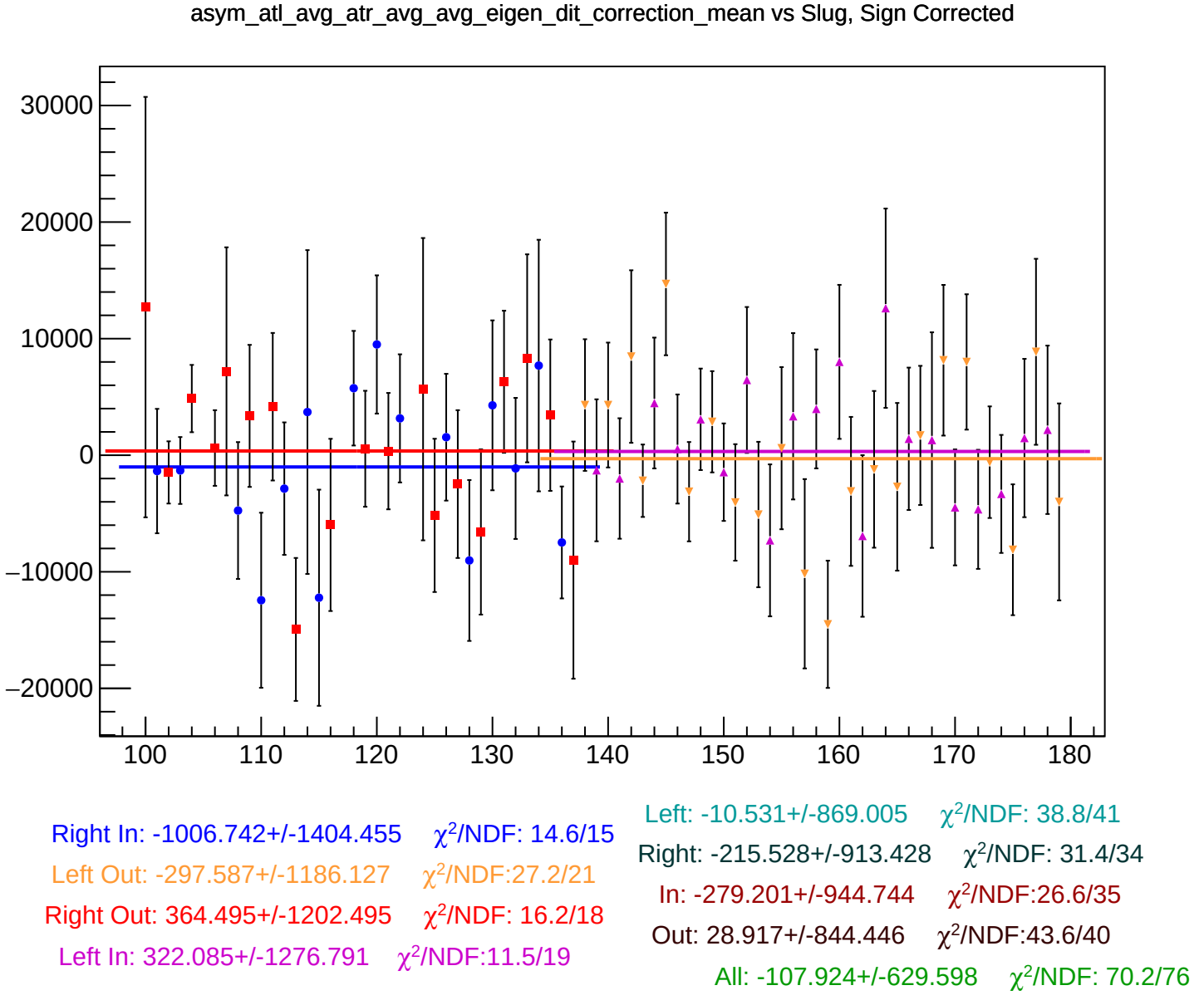
Left: 1324.952+/-0.161 χ^2/NDF: 284872.8/41

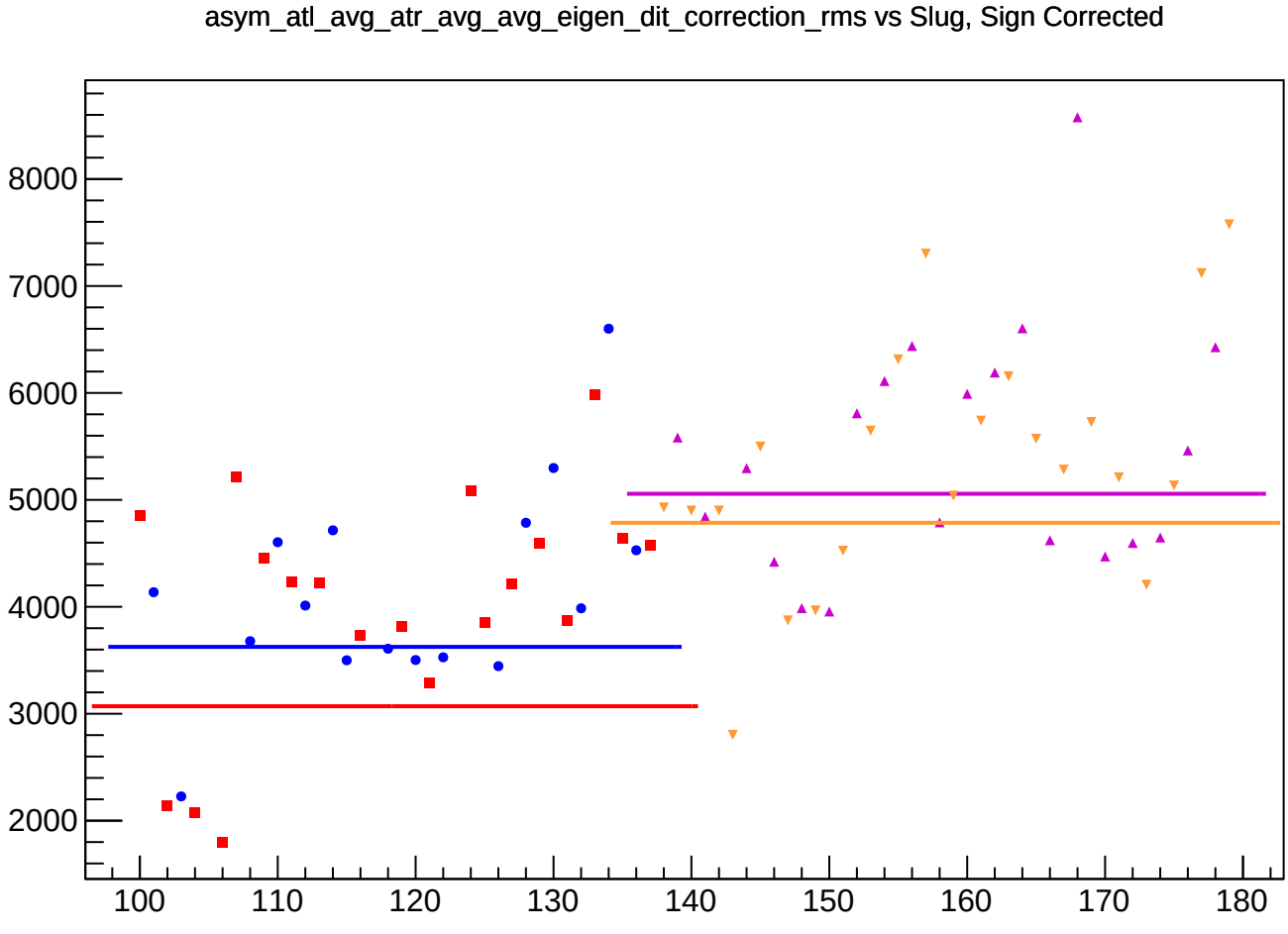
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1341.161+/-0.197 χ^2/NDF:545003.2/35

Out: 1321.244+/-0.189 χ^2/NDF:505737.4/40

All: 1330.817+/-0.136 χ^2/NDF: 1056073.9/76


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -297.587+/-1186.127 χ²/NDF:27.2/21
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 322.085+/-1276.791 χ²/NDF:11.5/19
Left: -10.531+/-869.005 χ²/NDF: 38.8/41
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -279.201+/-944.744 χ²/NDF:26.6/35
Out: 28.917+/-844.446 χ²/NDF:43.6/40
All: -107.924+/-629.598 χ²/NDF: 70.2/76



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4785.629+/-0.839 χ^2/NDF:1988942.8/21

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5056.907+/-0.903 χ^2/NDF:1075170.3/19

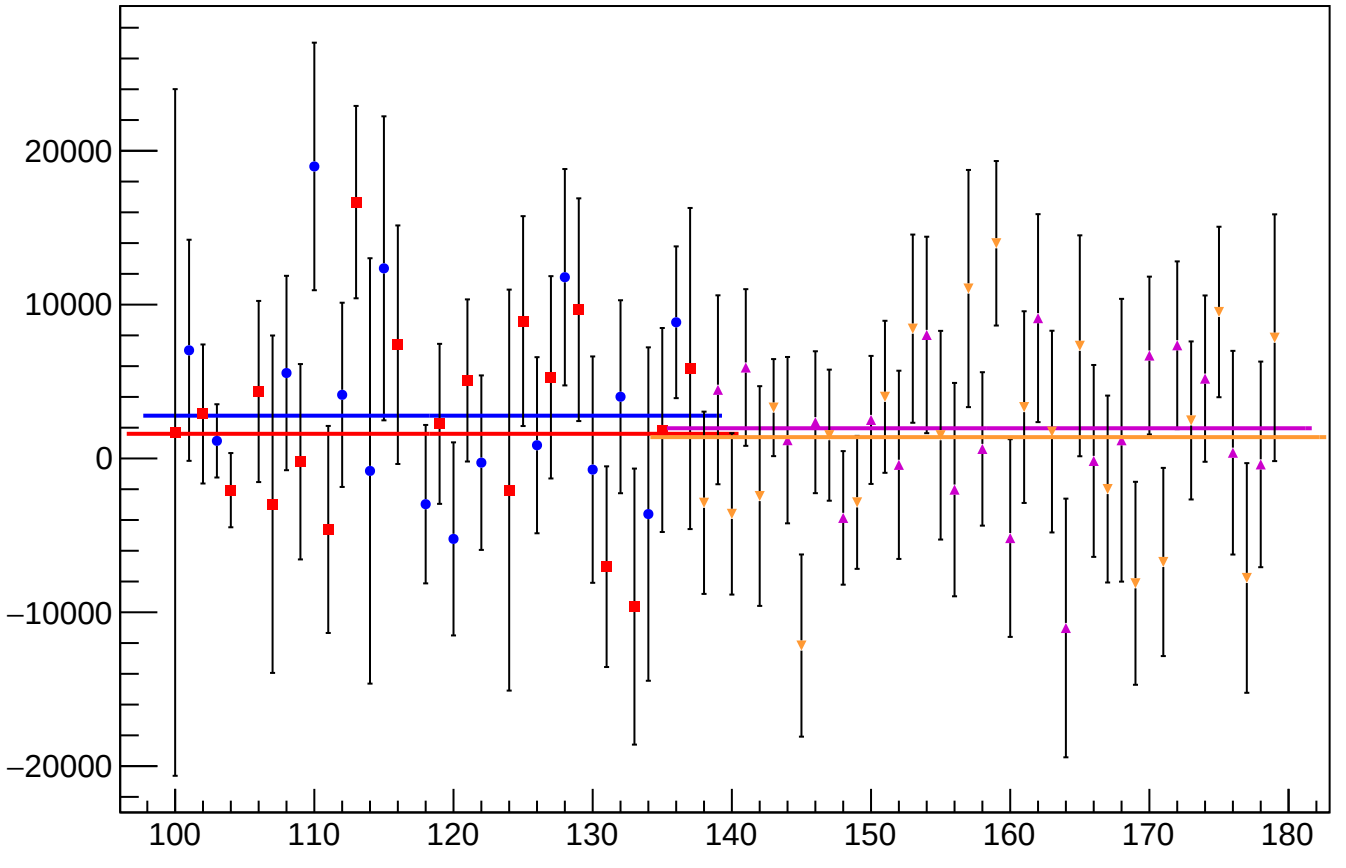
Left: 4911.295+/-0.614 χ^2/NDF: 3112575.2/41

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4409.205+/-0.668 χ^2/NDF:3157516.2/35

Out: 3939.784+/-0.597 χ^2/NDF:5889998.6/40

All: 4148.262+/-0.445 χ^2/NDF: 9321994.4/76



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1386.063+/-1184.777 χ^2/NDF:26.3/21

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1963.647+/-1271.882 χ^2/NDF:11.3/19

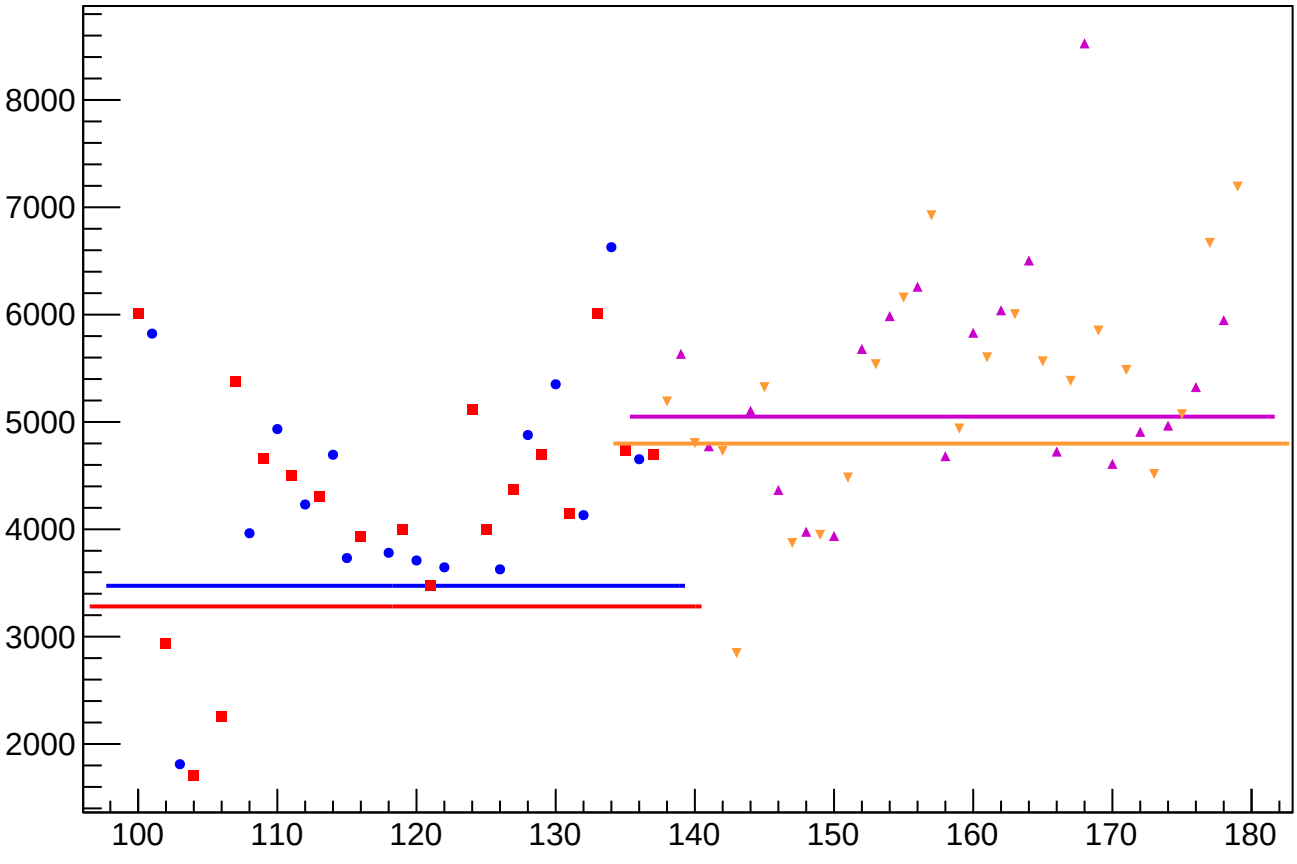
Left: 1654.402+/-866.923 χ^2/NDF: 37.7/41

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2336.234+/-938.169 χ^2/NDF:24.7/35

Out: 1481.318+/-886.725 χ^2/NDF:43.1/40

All: 1884.695+/-644.429 χ^2/NDF: 68.2/76



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4798.827+/-0.838 χ^2/NDF:1766290.1/21

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5049.722+/-0.899 χ^2/NDF:949425.1/19

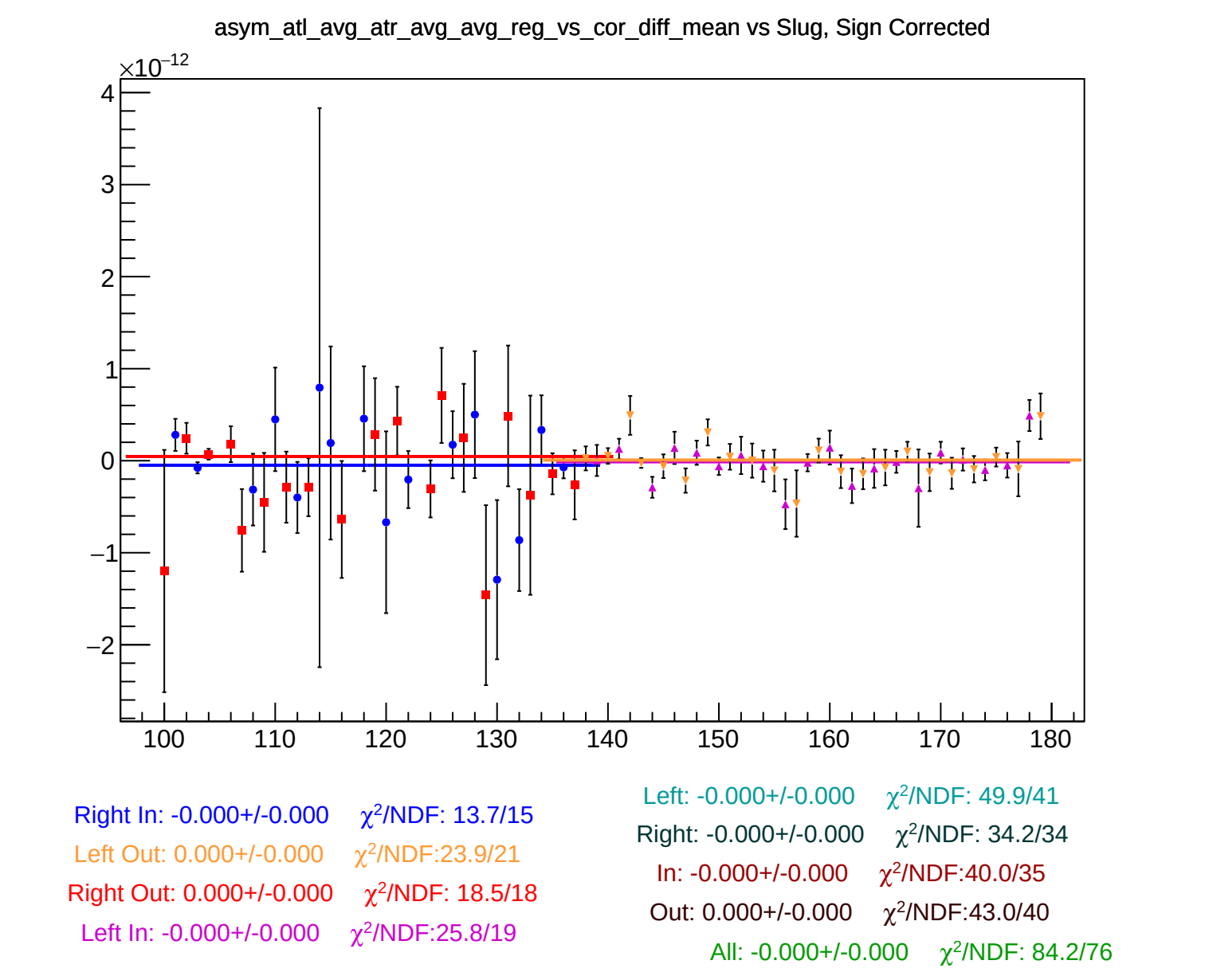
Left: 4915.390+/-0.613 χ^2/NDF: 2757383.5/41

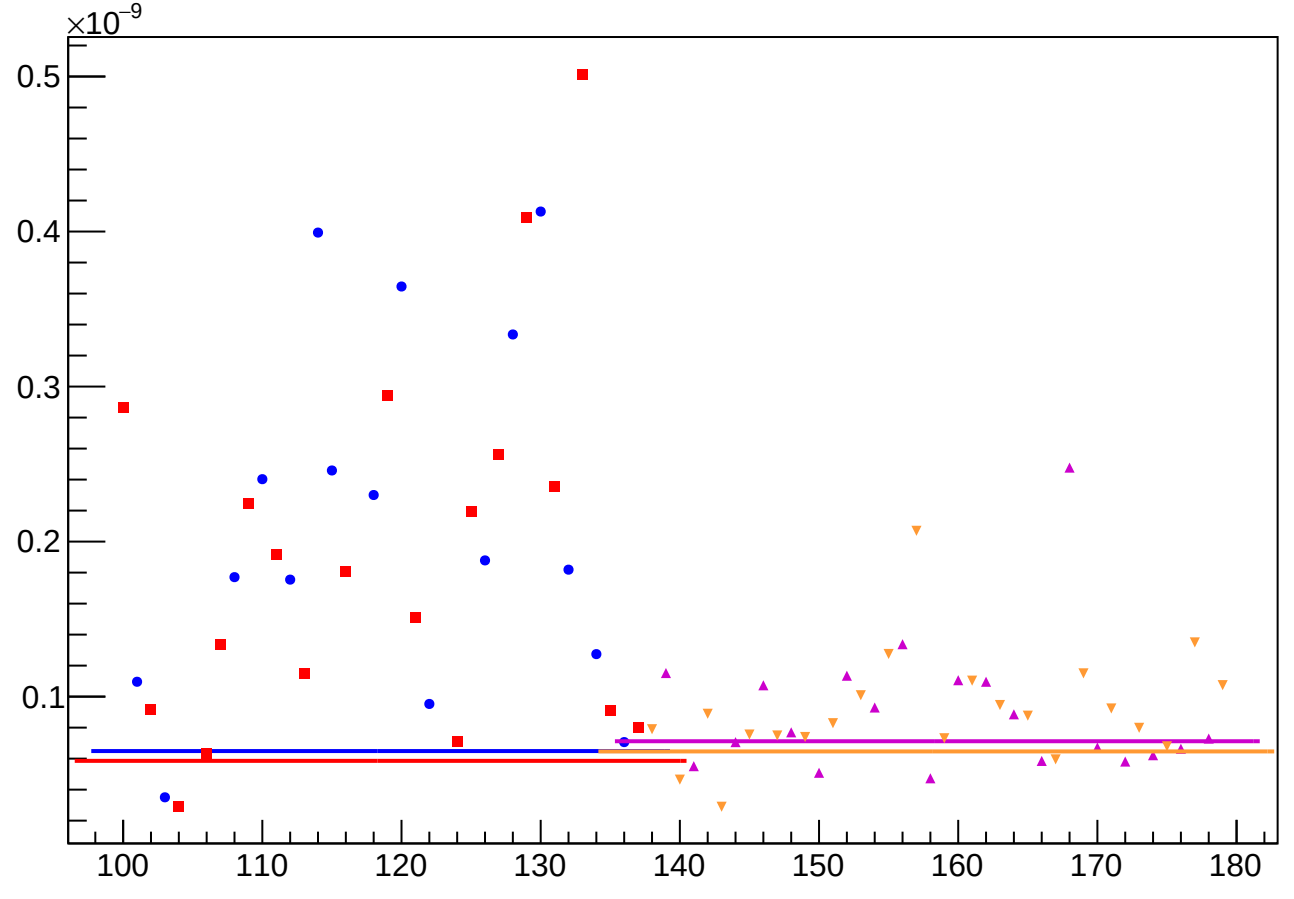
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4331.276+/-0.663 χ^2/NDF:4193098.2/35

Out: 4121.118+/-0.623 χ^2/NDF:5106948.2/40

All: 4219.639+/-0.454 χ^2/NDF: 9353358.6/76


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:23.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:25.8/19
Left: -0.000+/-0.000 χ²/NDF: 49.9/41
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:40.0/35
Out: 0.000+/-0.000 χ²/NDF:43.0/40
All: -0.000+/-0.000 χ²/NDF: 84.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2272442.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319885.9/19

Left: 0.000+/-0.000 χ^2/NDF: 3642816.9/41

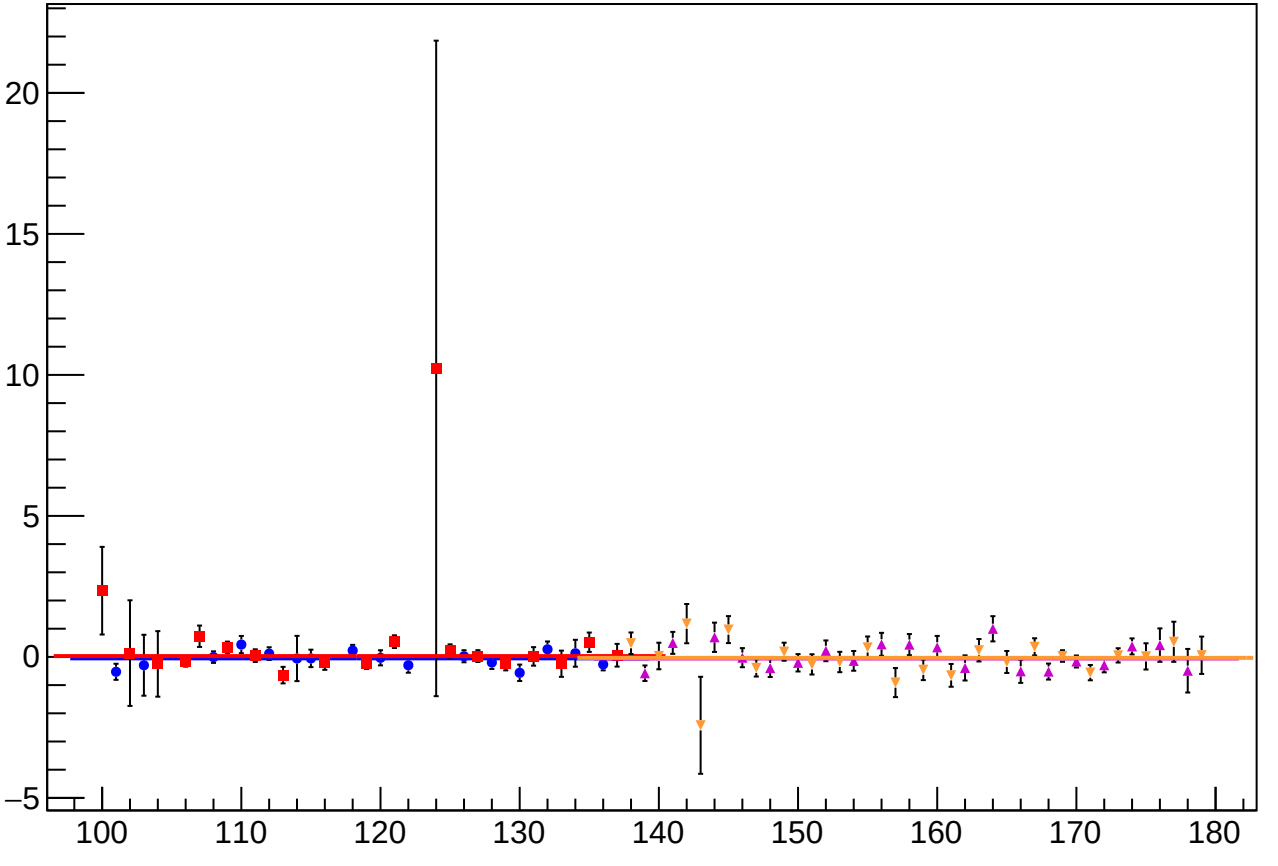
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3937066.7/35

Out: 0.000+/-0.000 χ^2/NDF:5152078.8/40

All: 0.000+/-0.000 χ^2/NDF: 9152260.4/76

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.045+/-0.055 χ^2/NDF: 56.3/41

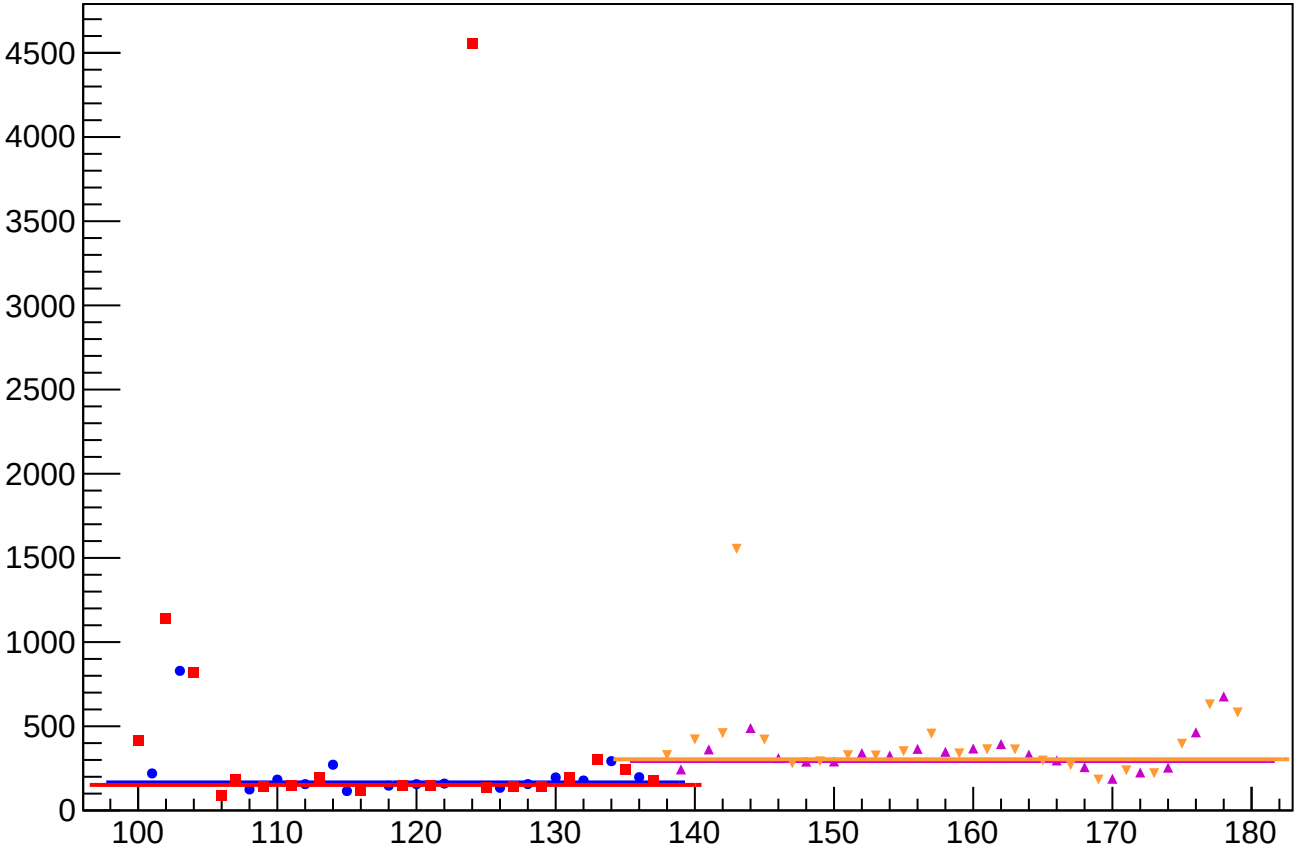
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.024+/-0.035 χ^2/NDF: 99.7/76

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651448.9/21

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 293.949+/-0.054 χ^2/NDF:2121901.6/19

Left: 298.845+/-0.039 χ^2/NDF: 5790048.4/41

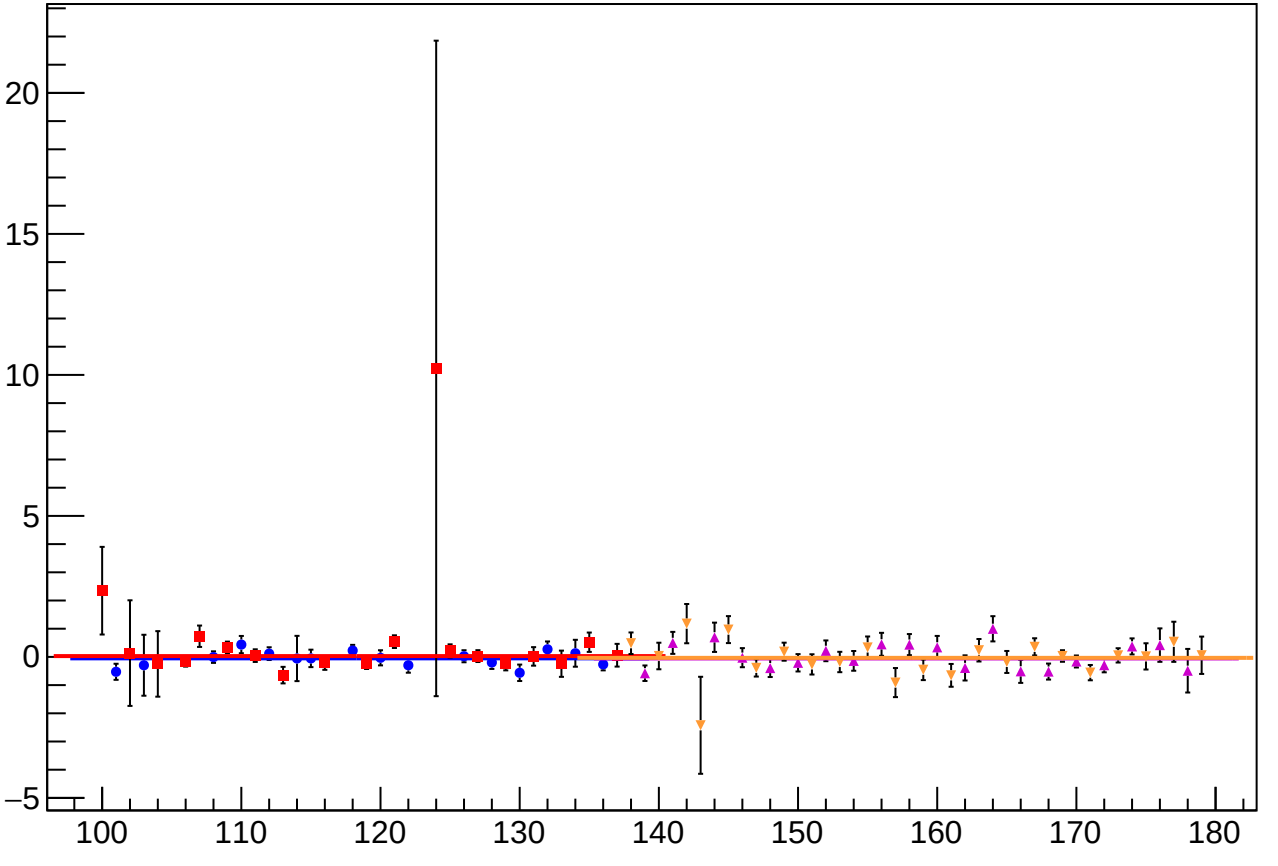
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 221.406+/-0.036 χ^2/NDF:6559294.7/35

Out: 212.794+/-0.035 χ^2/NDF:10496382.1/40

All: 217.034+/-0.025 χ^2/NDF: 17085416.0/76

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.045+/-0.055 χ^2/NDF: 56.3/41

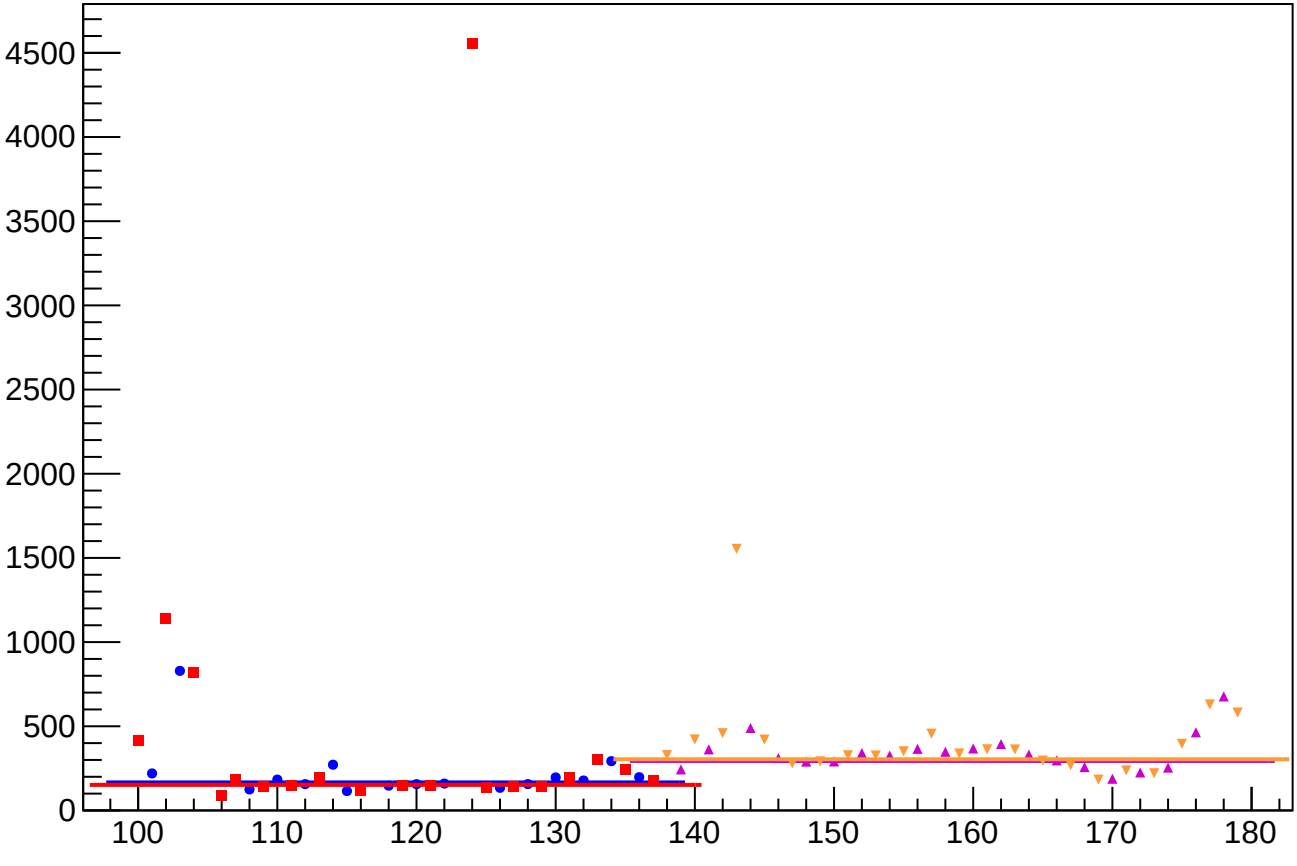
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.024+/-0.035 χ^2/NDF: 99.7/76

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651448.9/21

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 293.949+/-0.054 χ^2/NDF:2121901.6/19

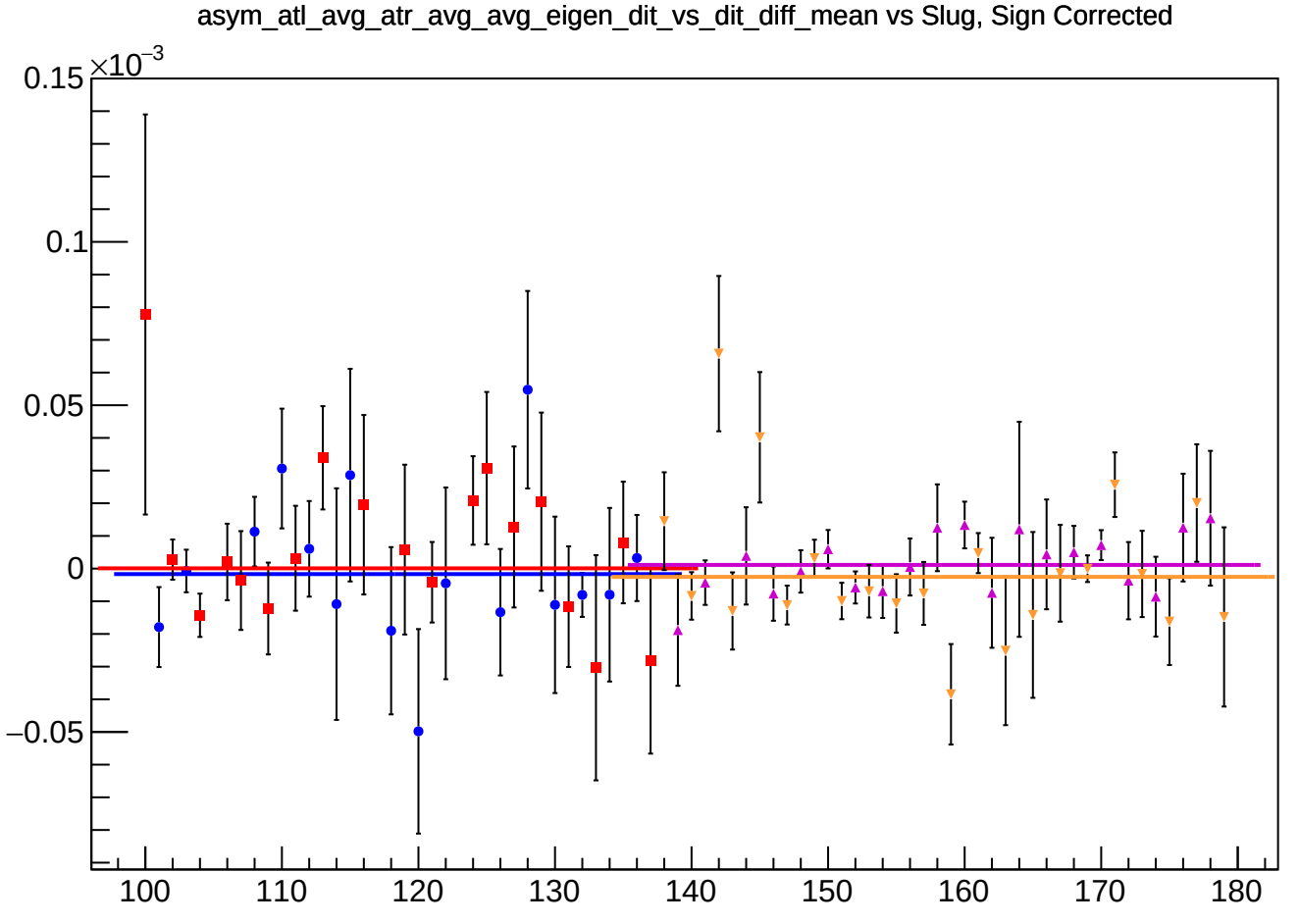
Left: 298.845+/-0.039 χ^2/NDF: 5790048.4/41

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 221.406+/-0.036 χ^2/NDF:6559294.7/35

Out: 212.794+/-0.035 χ^2/NDF:10496382.1/40

All: 217.034+/-0.025 χ^2/NDF: 17085416.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/19

Left: -0.000+/-0.000 χ^2/NDF: 57.9/41

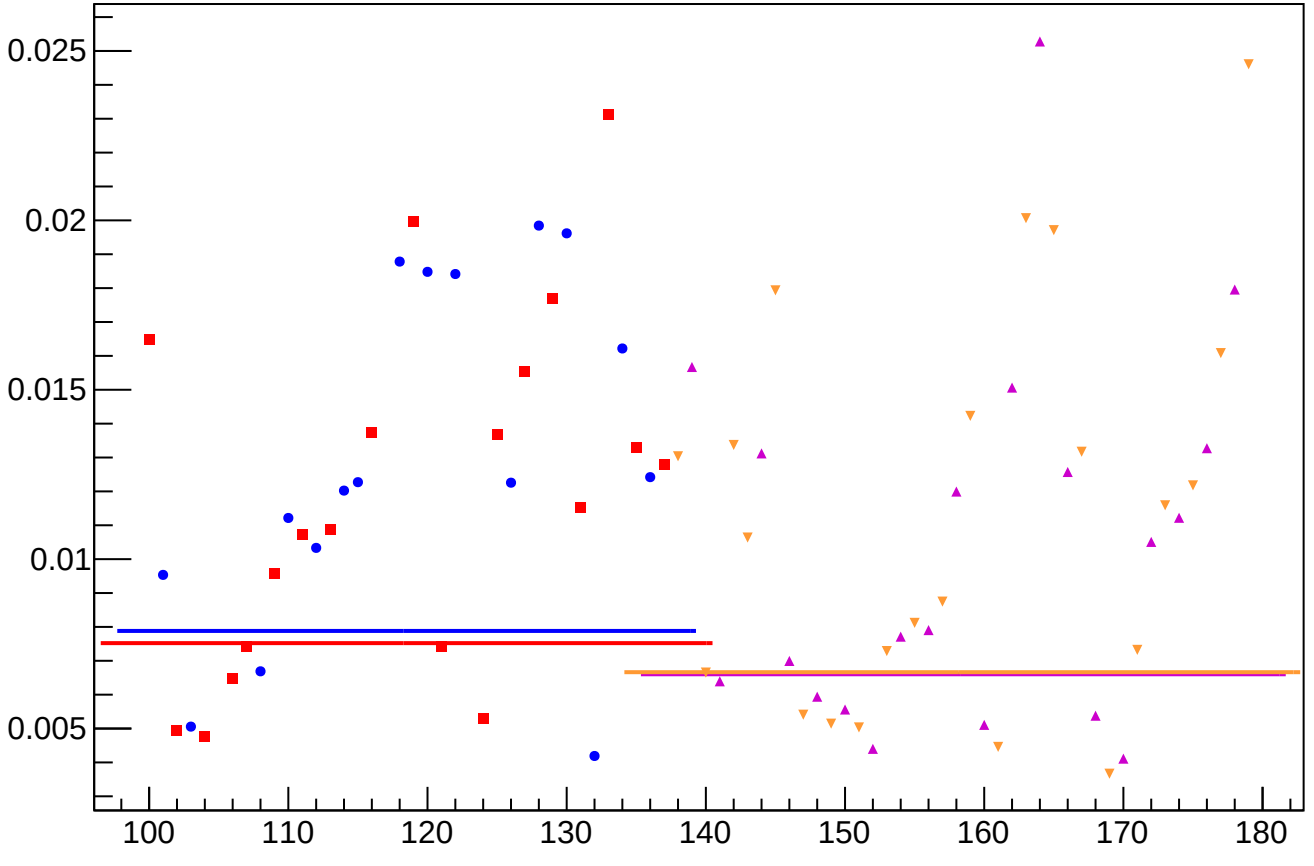
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/35

Out: -0.000+/-0.000 χ^2/NDF:61.7/40

All: -0.000+/-0.000 χ^2/NDF: 93.4/76

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:7413645.1/21

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:5418804.8/19

Left: 0.007+/-0.000 χ^2/NDF: 12833530.8/41

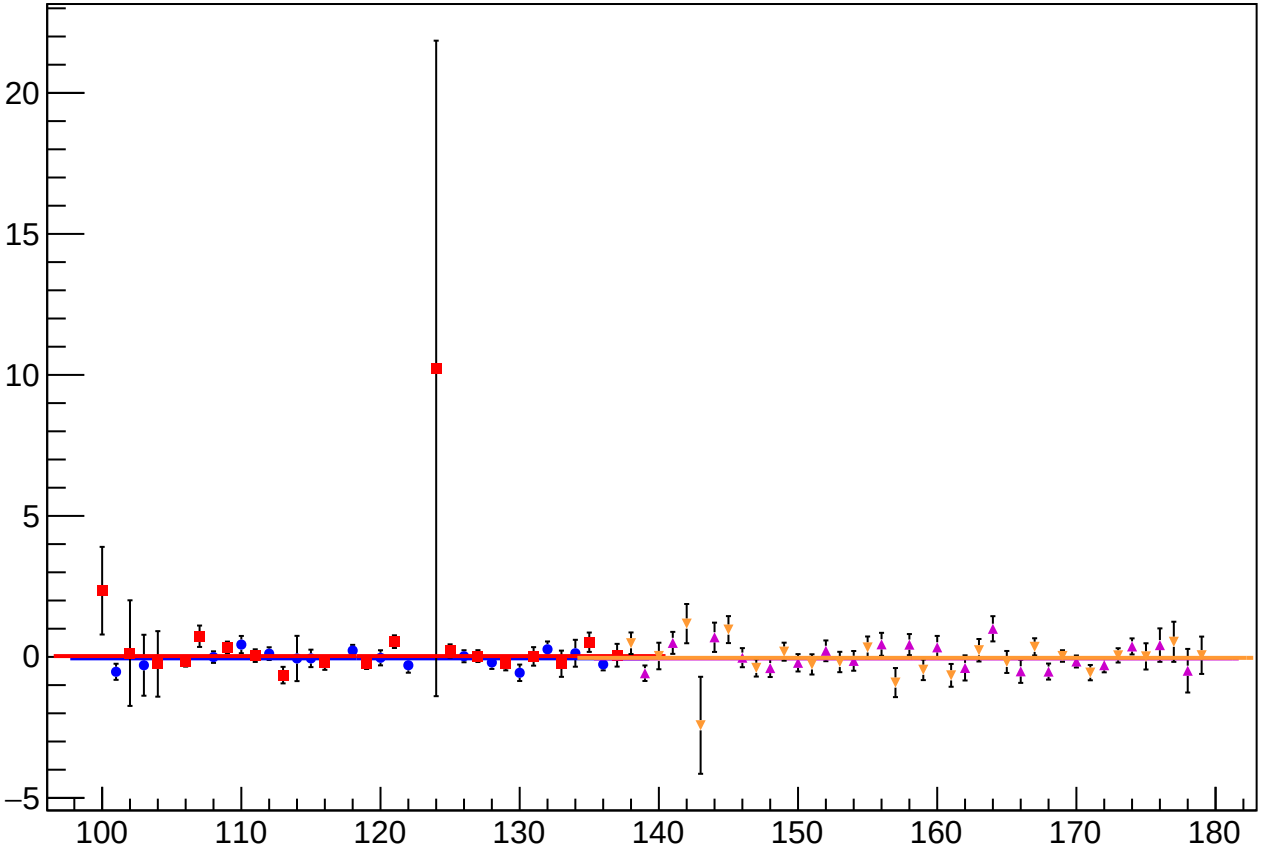
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:8937195.7/35

Out: 0.007+/-0.000 χ^2/NDF:10499793.0/40

All: 0.007+/-0.000 χ^2/NDF: 19437087.9/76

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.045+/-0.055 χ^2/NDF: 56.3/41

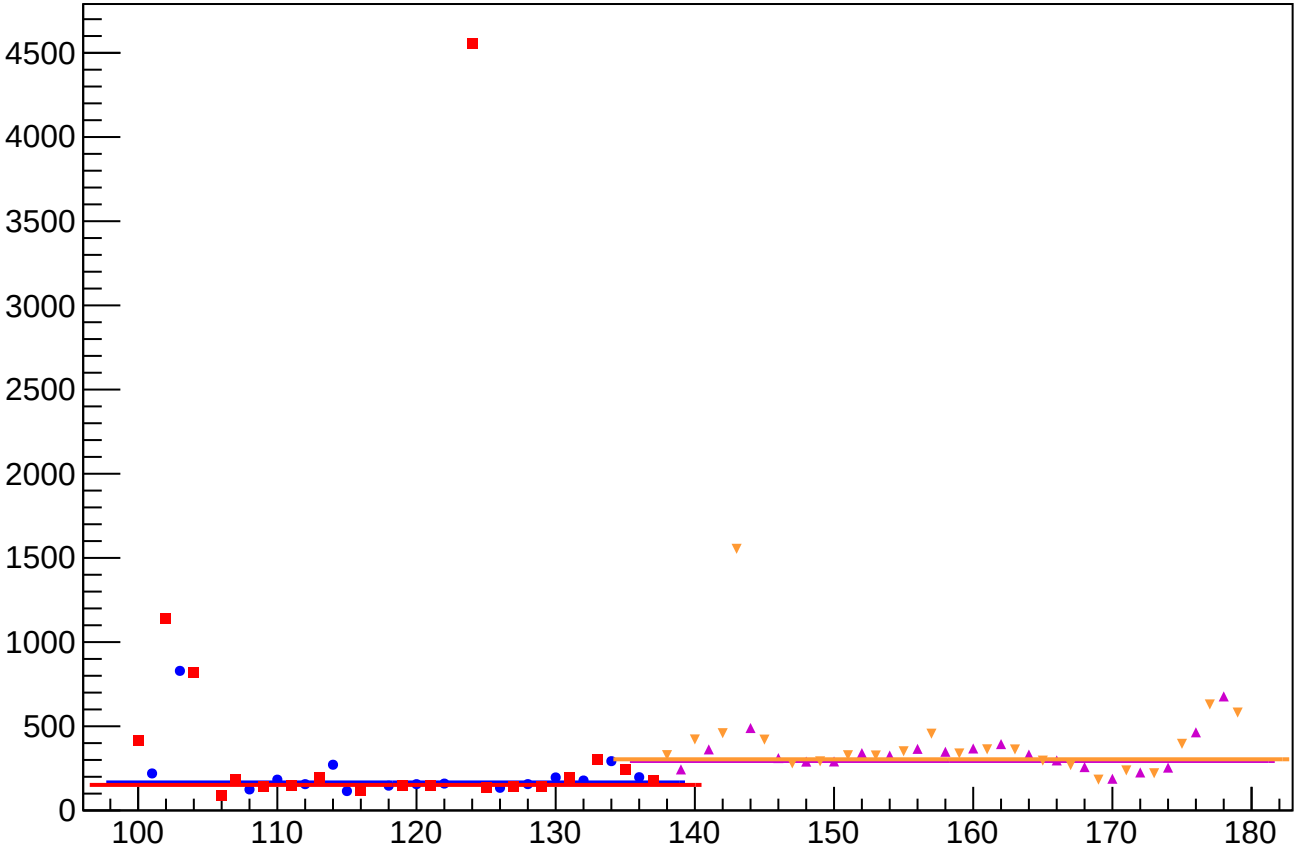
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.024+/-0.035 χ^2/NDF: 99.7/76

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651650.8/21

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 293.951+/-0.054 χ^2/NDF:2122030.5/19

Left: 298.846+/-0.039 χ^2/NDF: 5790375.1/41

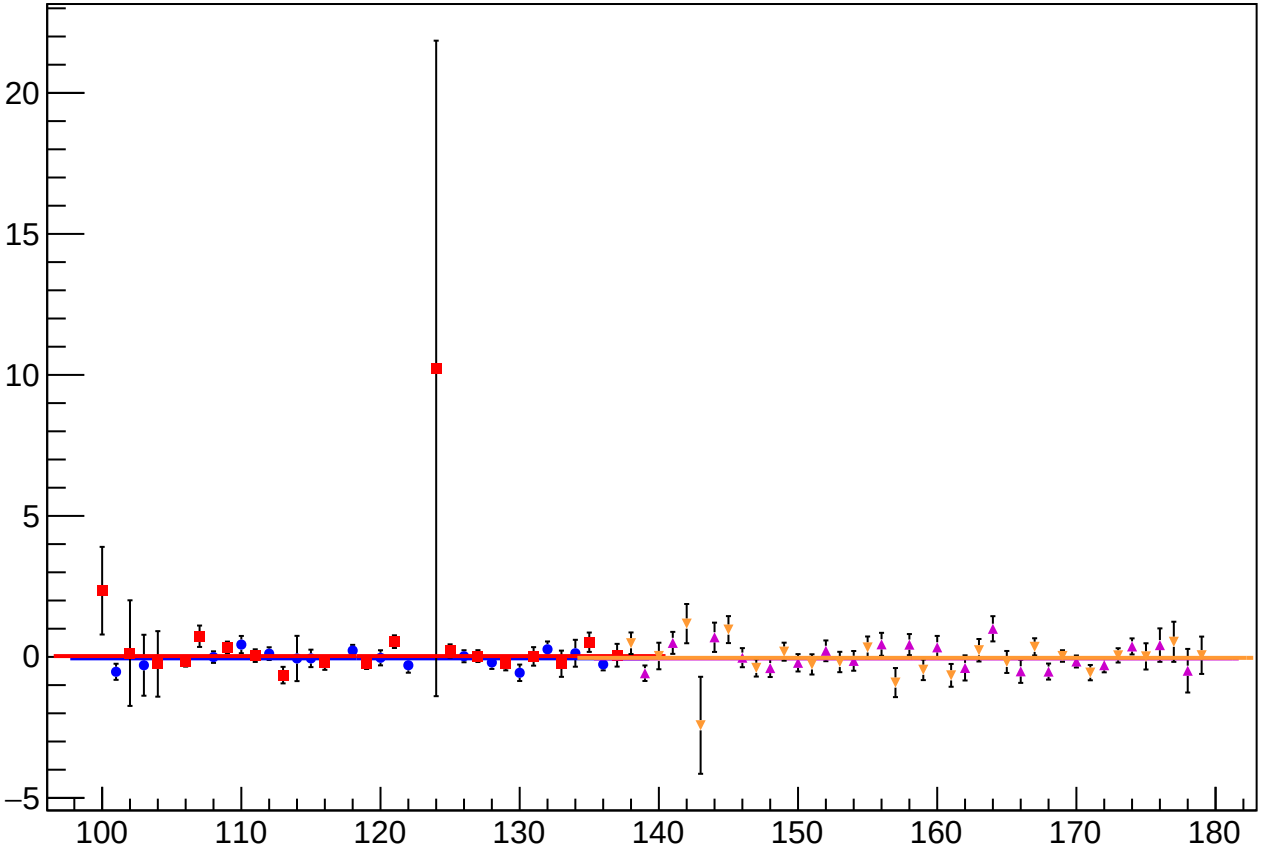
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 221.405+/-0.036 χ^2/NDF:6559502.0/35

Out: 212.793+/-0.035 χ^2/NDF:10496674.6/40

All: 217.033+/-0.025 χ^2/NDF: 17085923.0/76

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.034+/-0.078 χ^2/NDF:27.9/21

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.045+/-0.055 χ^2/NDF: 56.3/41

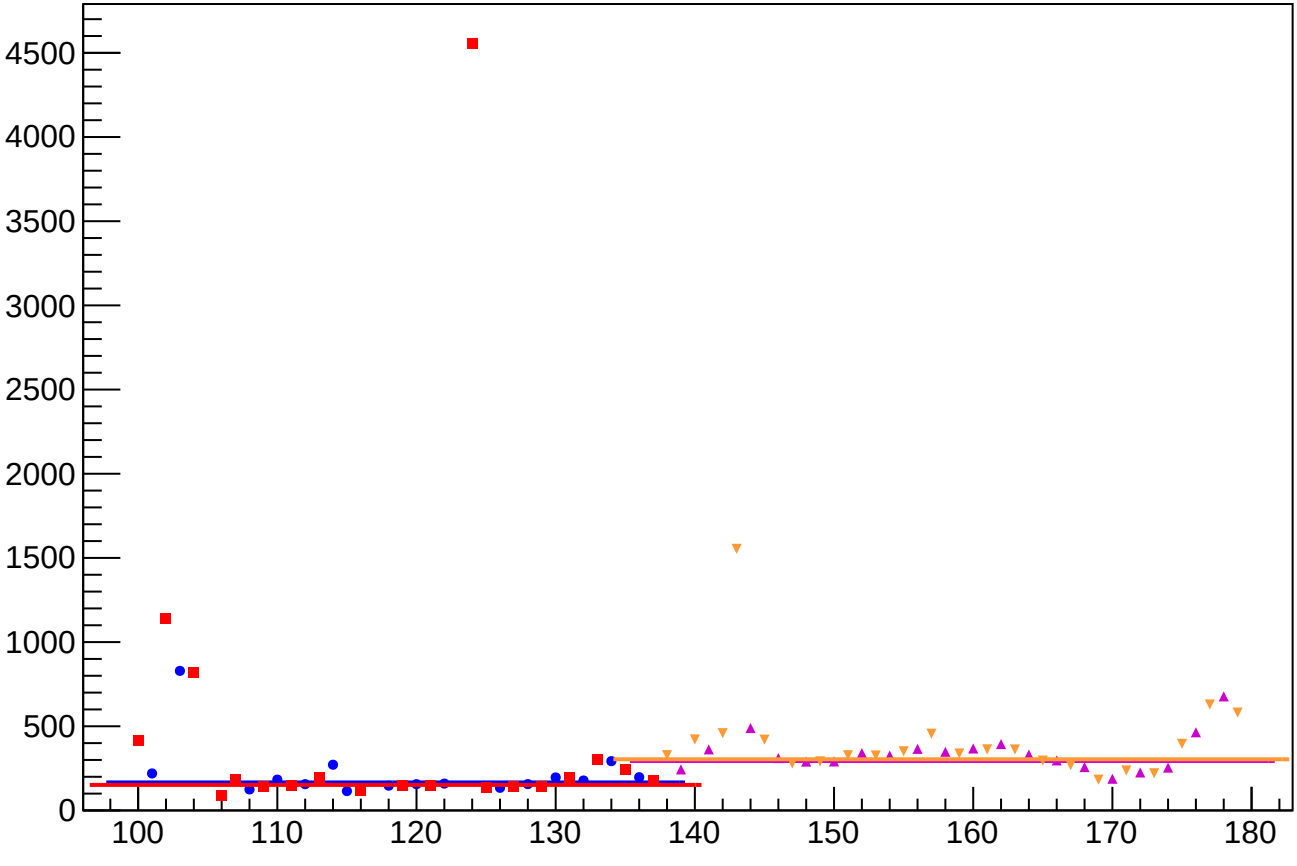
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/40

All: -0.024+/-0.035 χ^2/NDF: 99.7/76

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 303.956+/-0.055 χ^2/NDF:3651650.8/21

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 293.951+/-0.054 χ^2/NDF:2122030.5/19

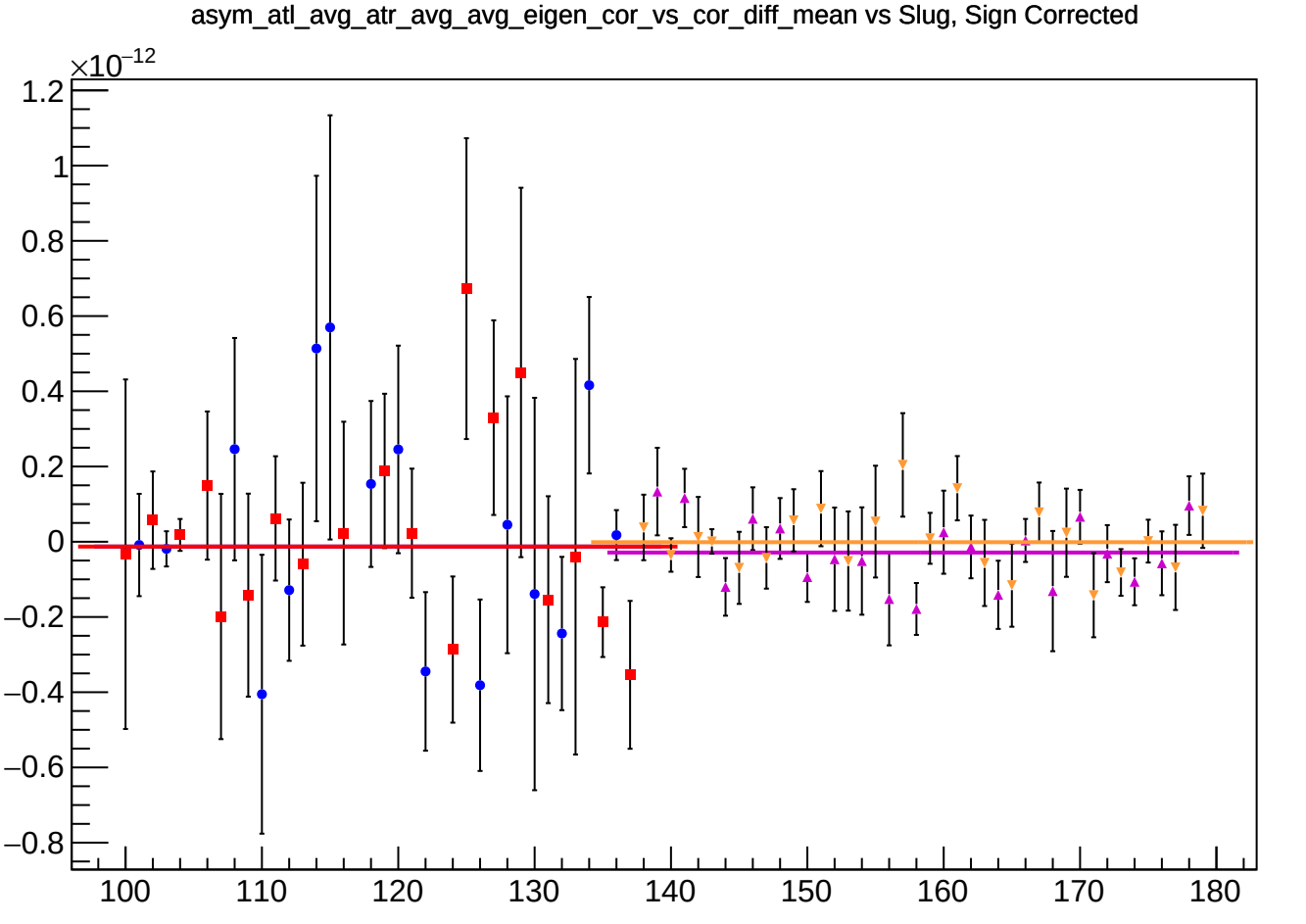
Left: 298.846+/-0.039 χ^2/NDF: 5790375.1/41

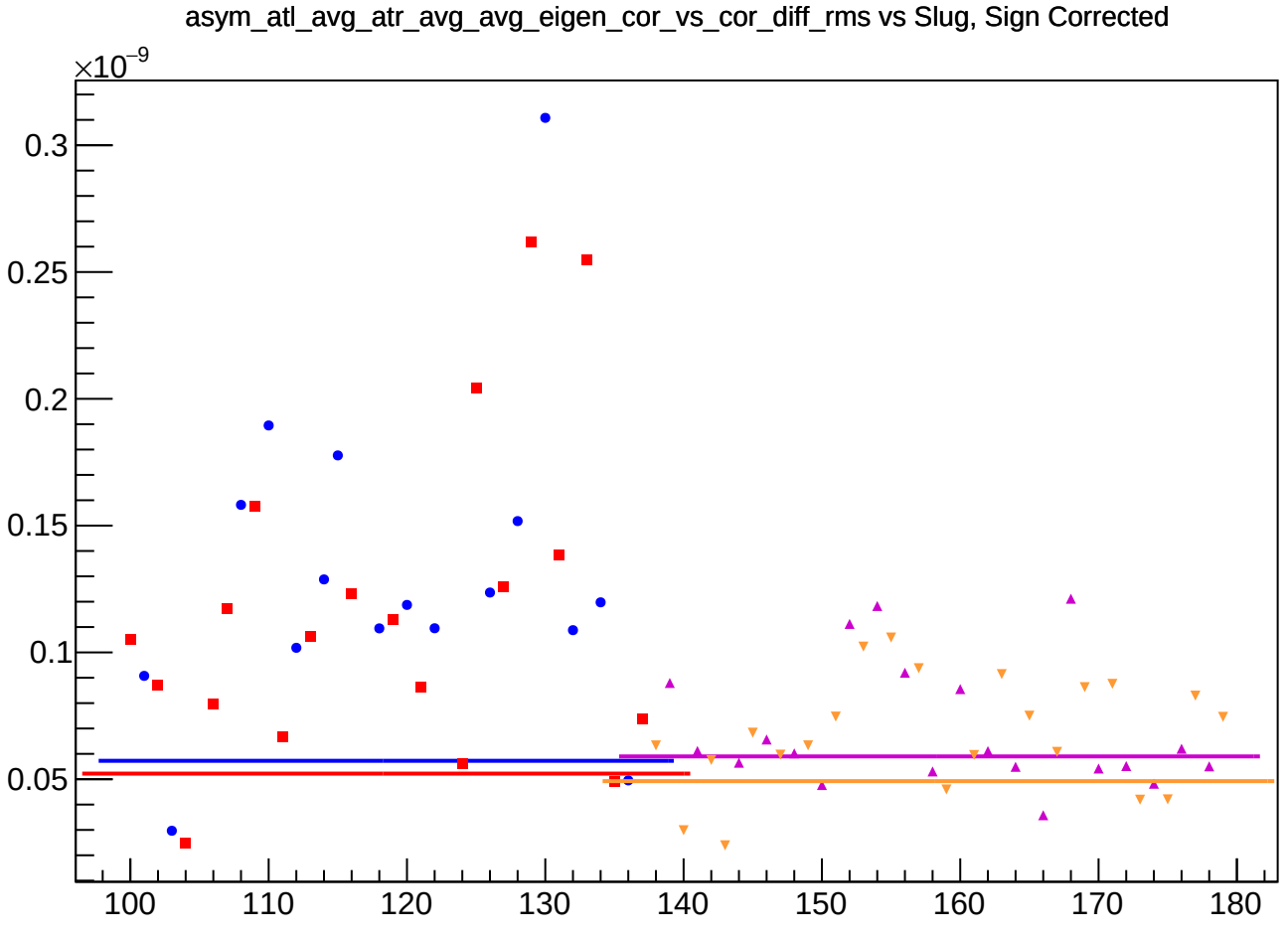
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 221.405+/-0.036 χ^2/NDF:6559502.0/35

Out: 212.793+/-0.035 χ^2/NDF:10496674.6/40

All: 217.033+/-0.025 χ^2/NDF: 17085923.0/76


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: -0.000+/-0.000 χ²/NDF:14.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:23.9/19
Left: -0.000+/-0.000 χ²/NDF: 40.1/41
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:40.2/35
Out: -0.000+/-0.000 χ²/NDF:33.9/40
All: -0.000+/-0.000 χ²/NDF: 75.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4030245.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1825092.0/19

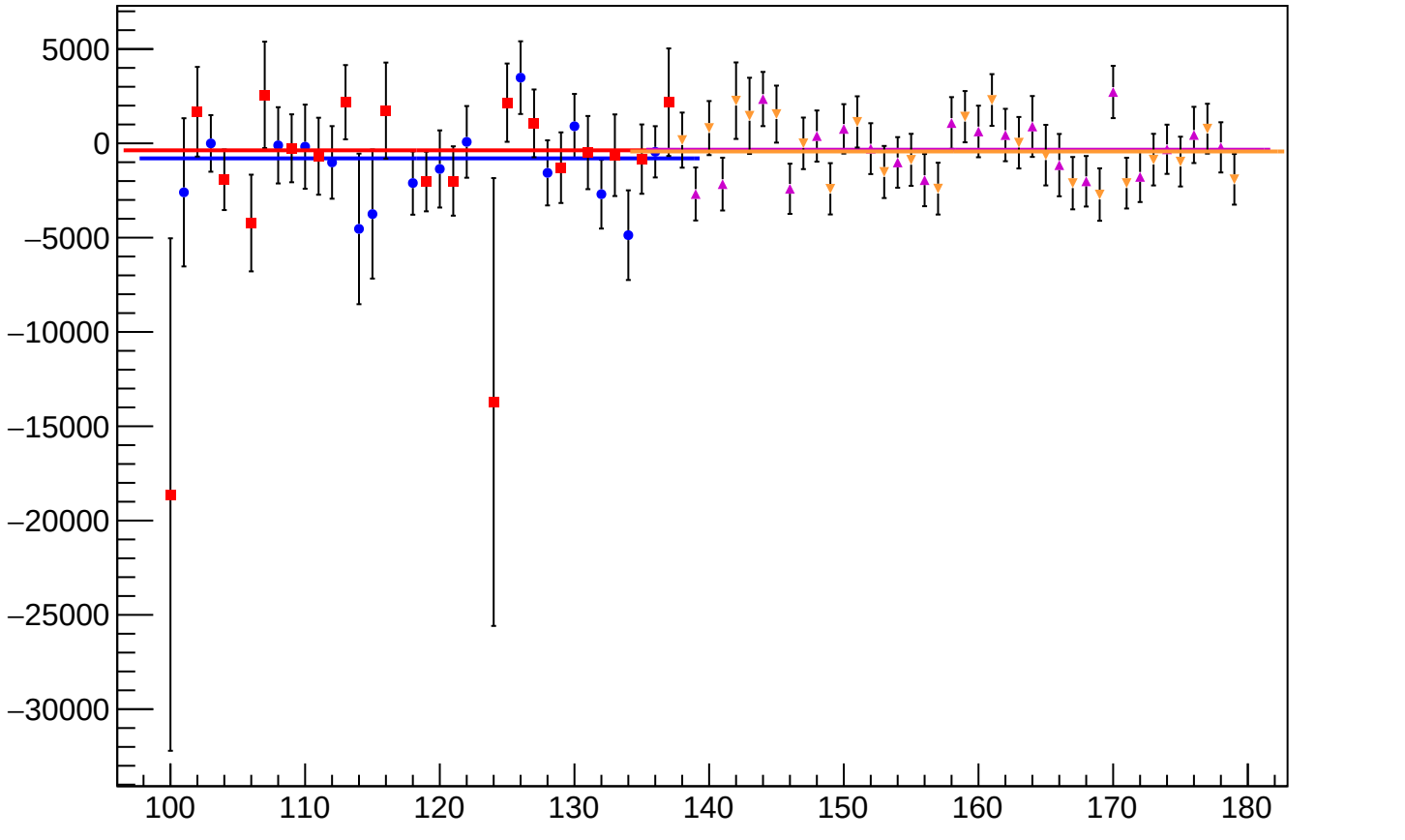
Left: 0.000+/-0.000 χ^2/NDF: 6173437.1/41

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4812397.1/35

Out: 0.000+/-0.000 χ^2/NDF:7332185.4/40

All: 0.000+/-0.000 χ^2/NDF: 12473263.3/76



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -337.553+/-310.167 χ^2/NDF:23.6/19

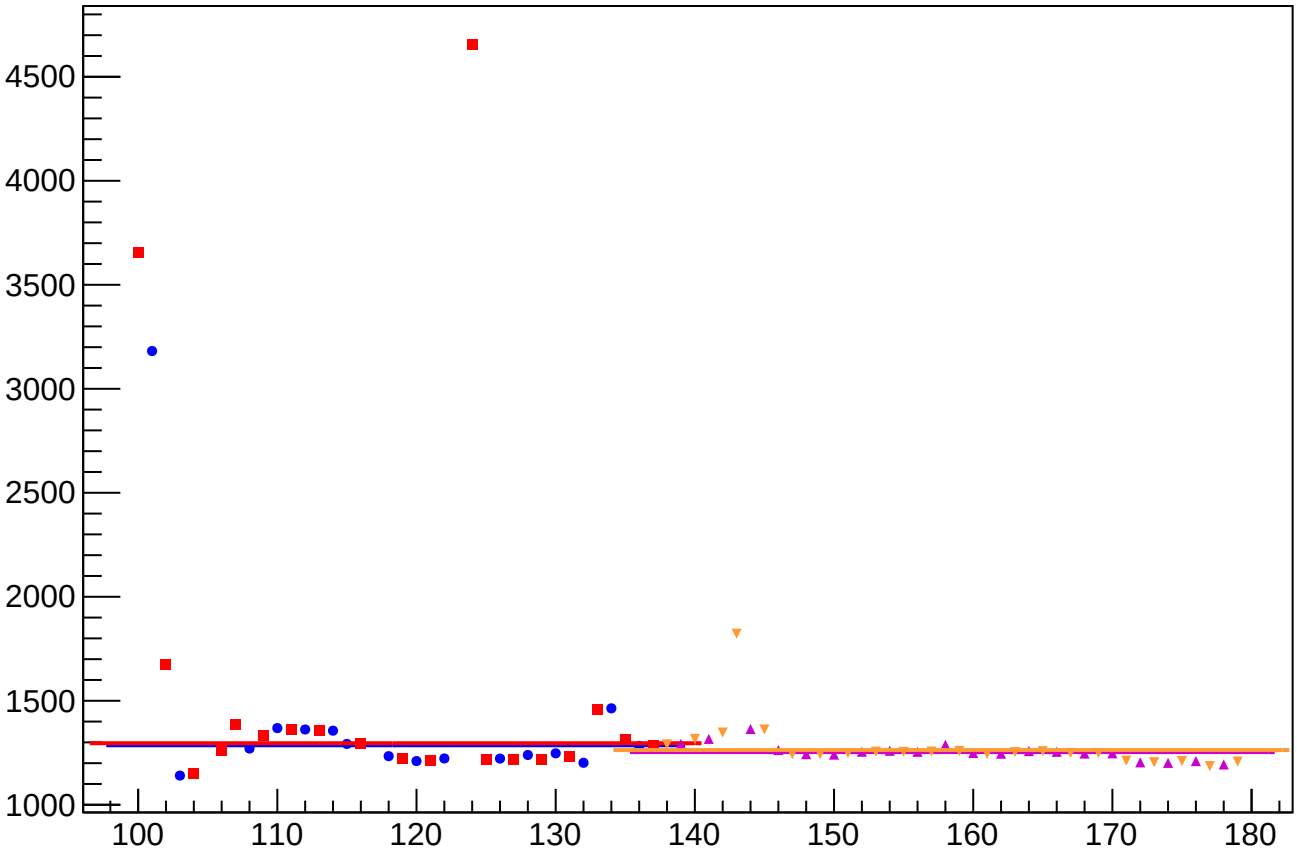
Left: -384.994+/-216.680 χ^2/NDF: 49.2/41

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -470.046+/-261.684 χ^2/NDF:37.6/35

Out: -413.370+/-256.991 χ^2/NDF:41.2/40

All: -441.195+/-183.357 χ^2/NDF: 78.9/76



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1262.975+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1258.294+/-0.153 χ^2/NDF: 223517.9/41

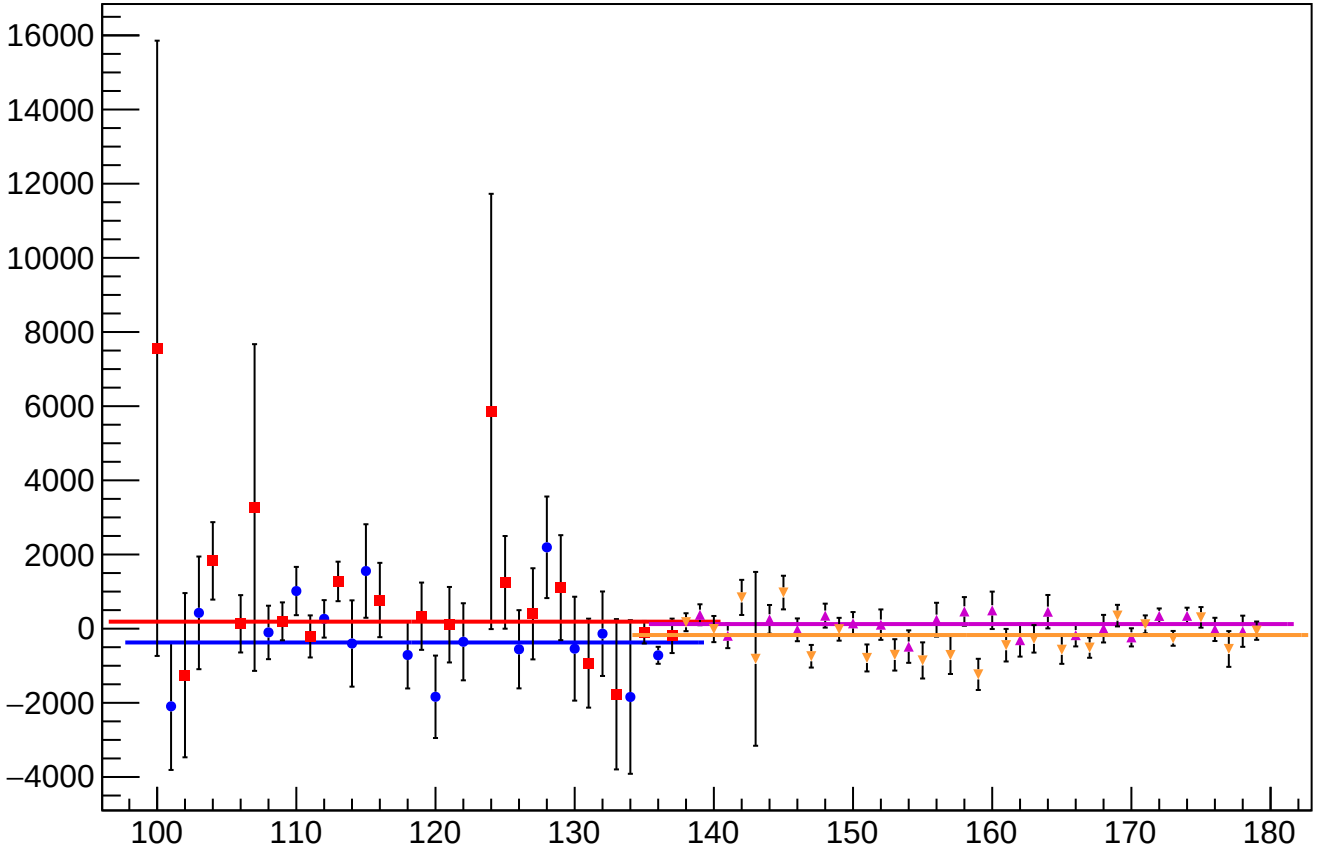
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1262.812+/-0.185 χ^2/NDF:555652.6/35

Out: 1272.200+/-0.182 χ^2/NDF:526127.2/40

All: 1267.591+/-0.130 χ^2/NDF: 1083090.3/76

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -171.625+/-70.139 χ^2/NDF:42.8/21

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 123.878+/-72.178 χ^2/NDF:13.2/19

Left: -28.107+/-50.301 χ^2/NDF: 64.6/41

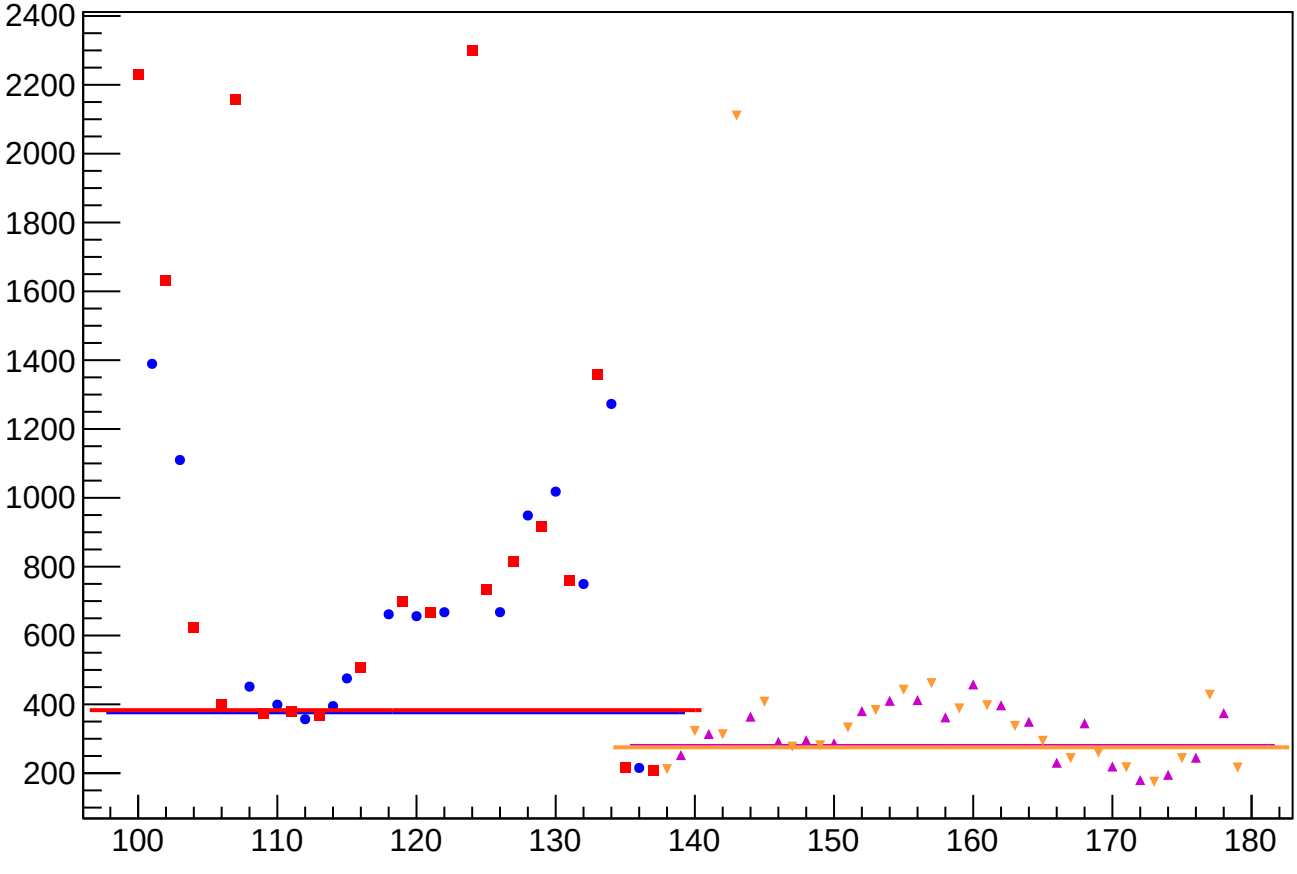
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 46.717+/-66.329 χ^2/NDF:38.7/35

Out: -118.951+/-64.813 χ^2/NDF:61.3/40

All: -38.031+/-46.357 χ^2/NDF: 103.2/76

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 275.146+/-0.050 χ^2/NDF:3615699.4/21

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 279.102+/-0.051 χ^2/NDF:2292660.1/19

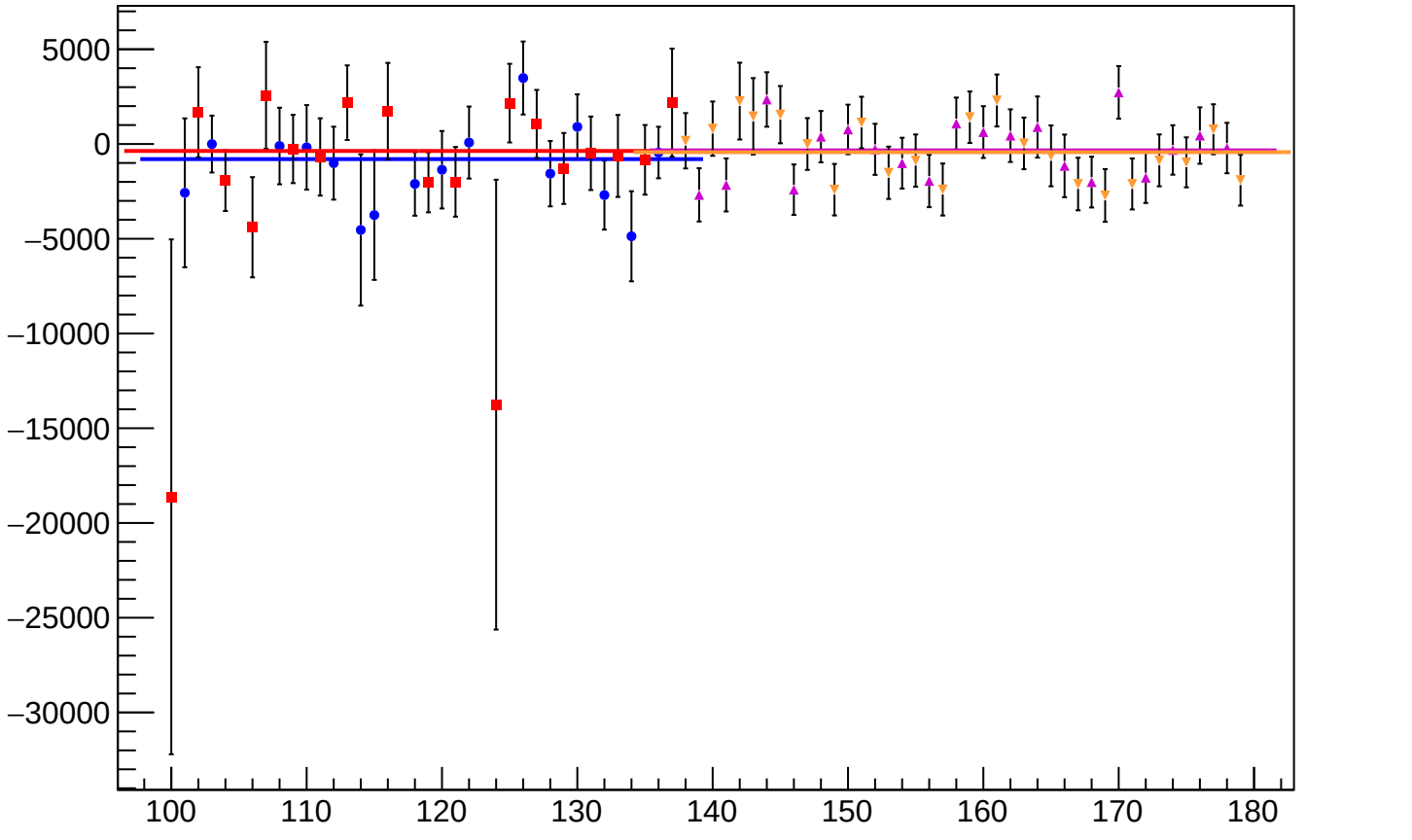
Left: 277.068+/-0.036 χ^2/NDF: 5911449.7/41

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.309+/-0.047 χ^2/NDF:7053737.3/35

Out: 290.913+/-0.046 χ^2/NDF:8361624.1/40

All: 292.572+/-0.033 χ^2/NDF: 15418043.6/76



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -337.523+/-310.167 χ^2/NDF:23.6/19

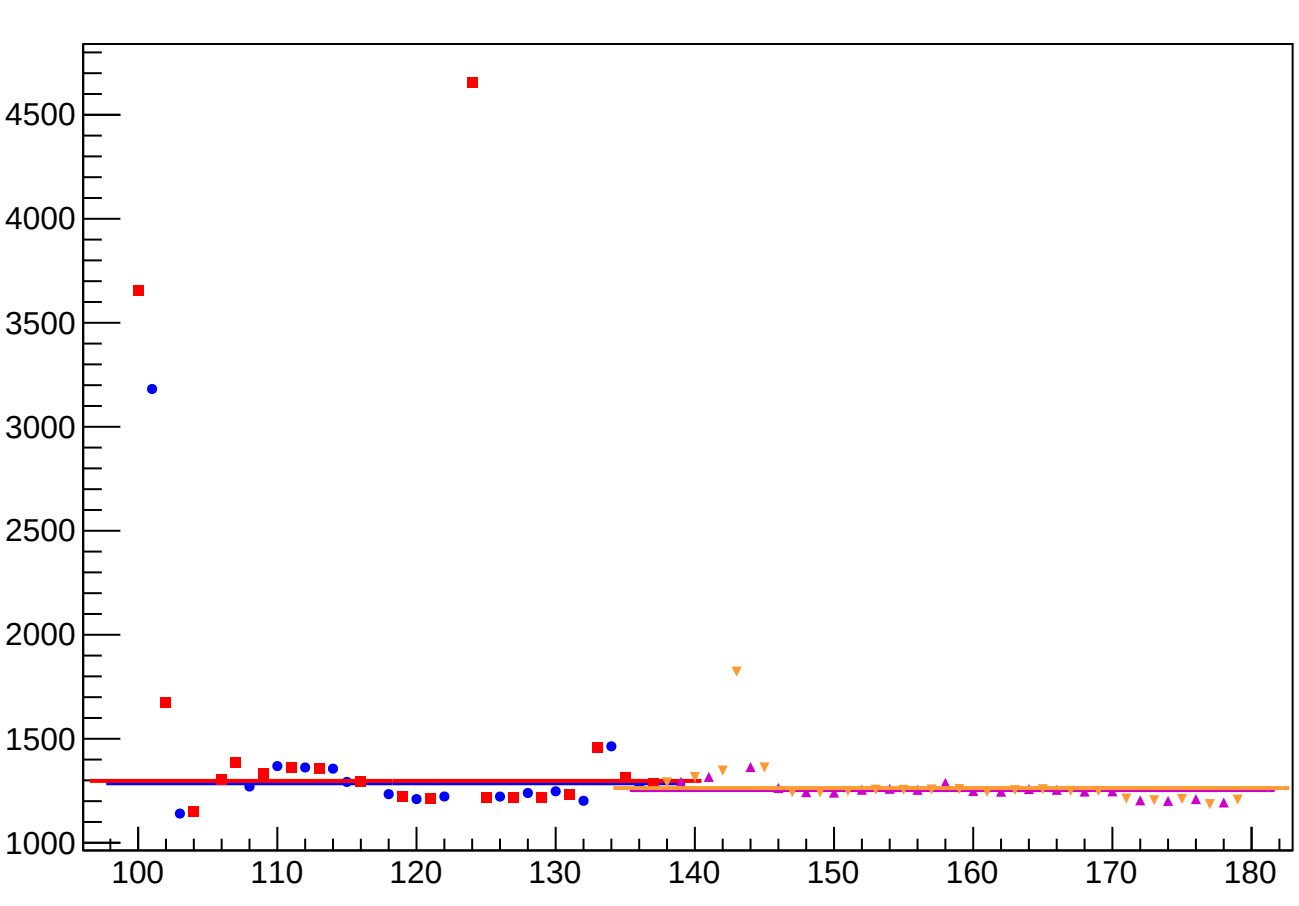
Left: -384.969+/-216.680 χ^2/NDF: 49.2/41

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -469.909+/-261.684 χ^2/NDF:37.6/35

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -440.782+/-183.385 χ^2/NDF: 78.9/76



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1258.295+/-0.153 χ^2/NDF: 223517.9/41

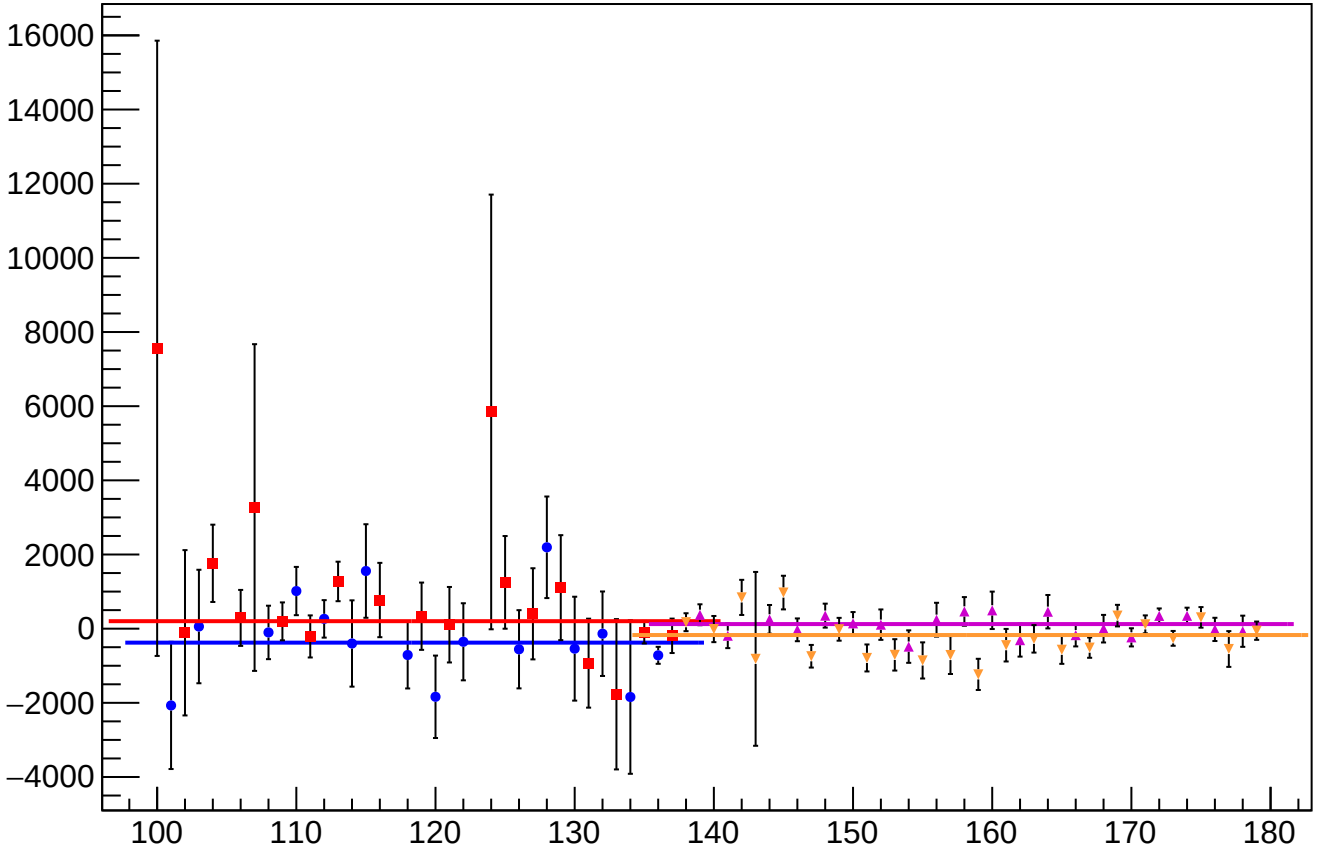
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -28.078+/-50.302 χ^2/NDF: 64.6/41

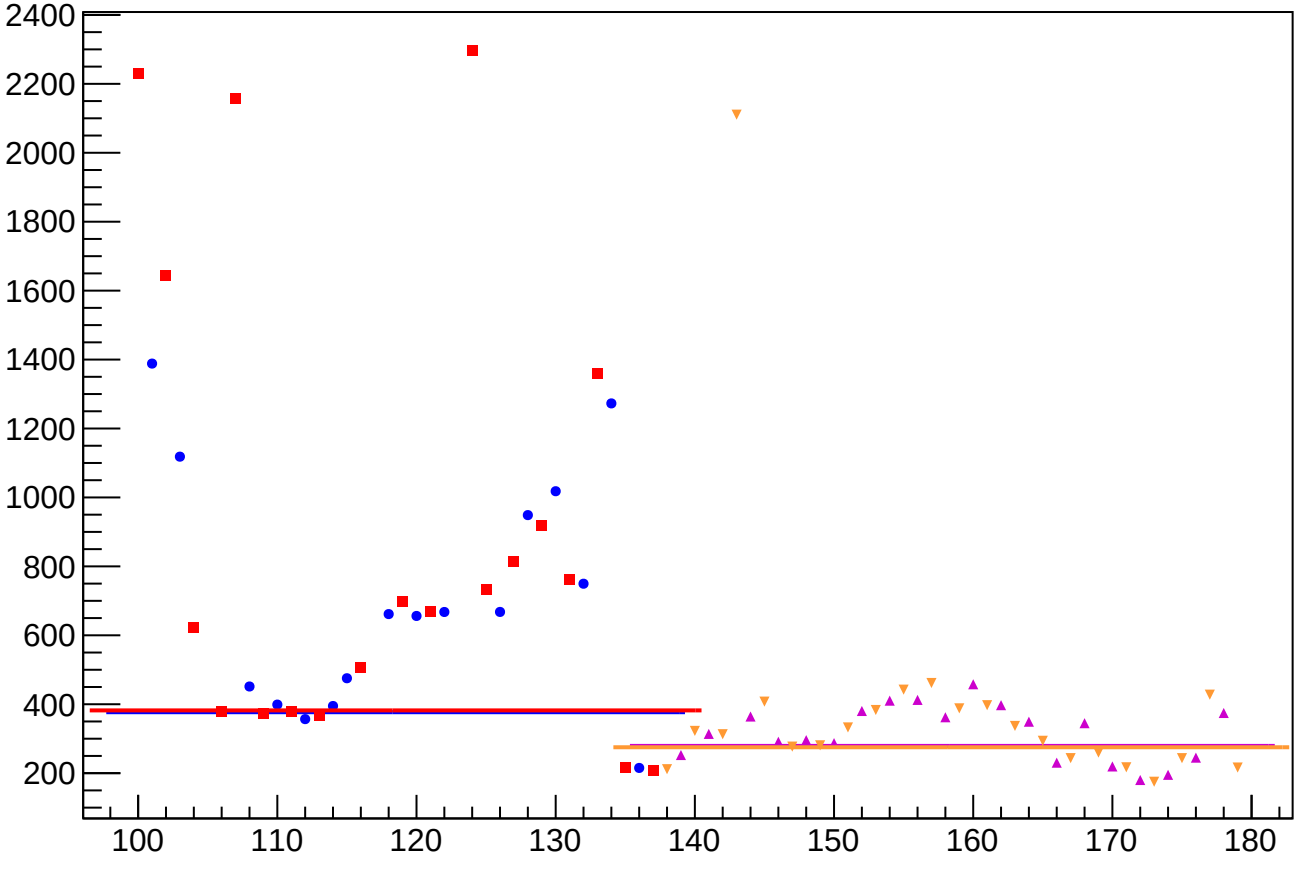
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -37.311+/-46.354 χ^2/NDF: 102.7/76

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

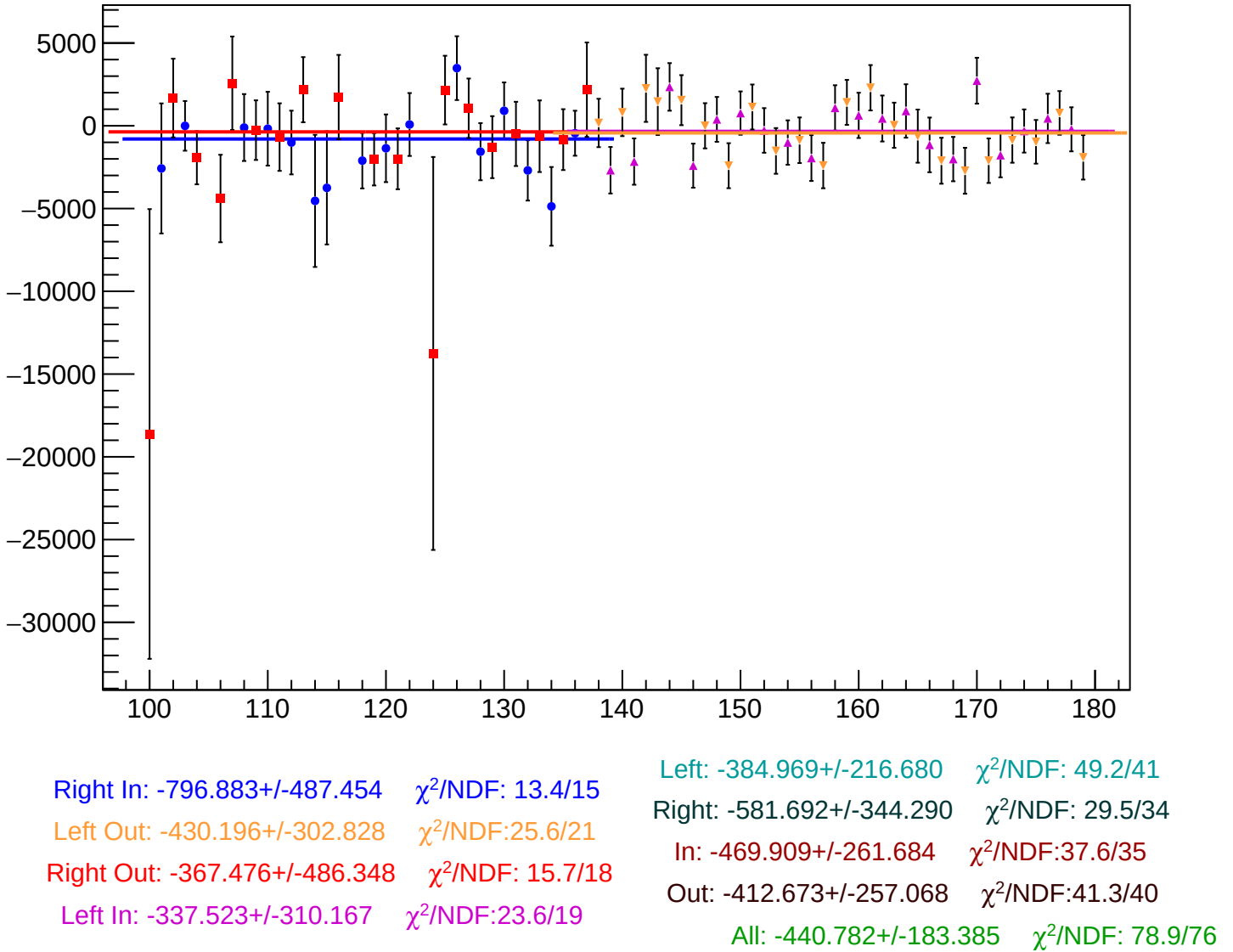
Left: 277.077+/-0.036 χ^2/NDF: 5910891.6/41

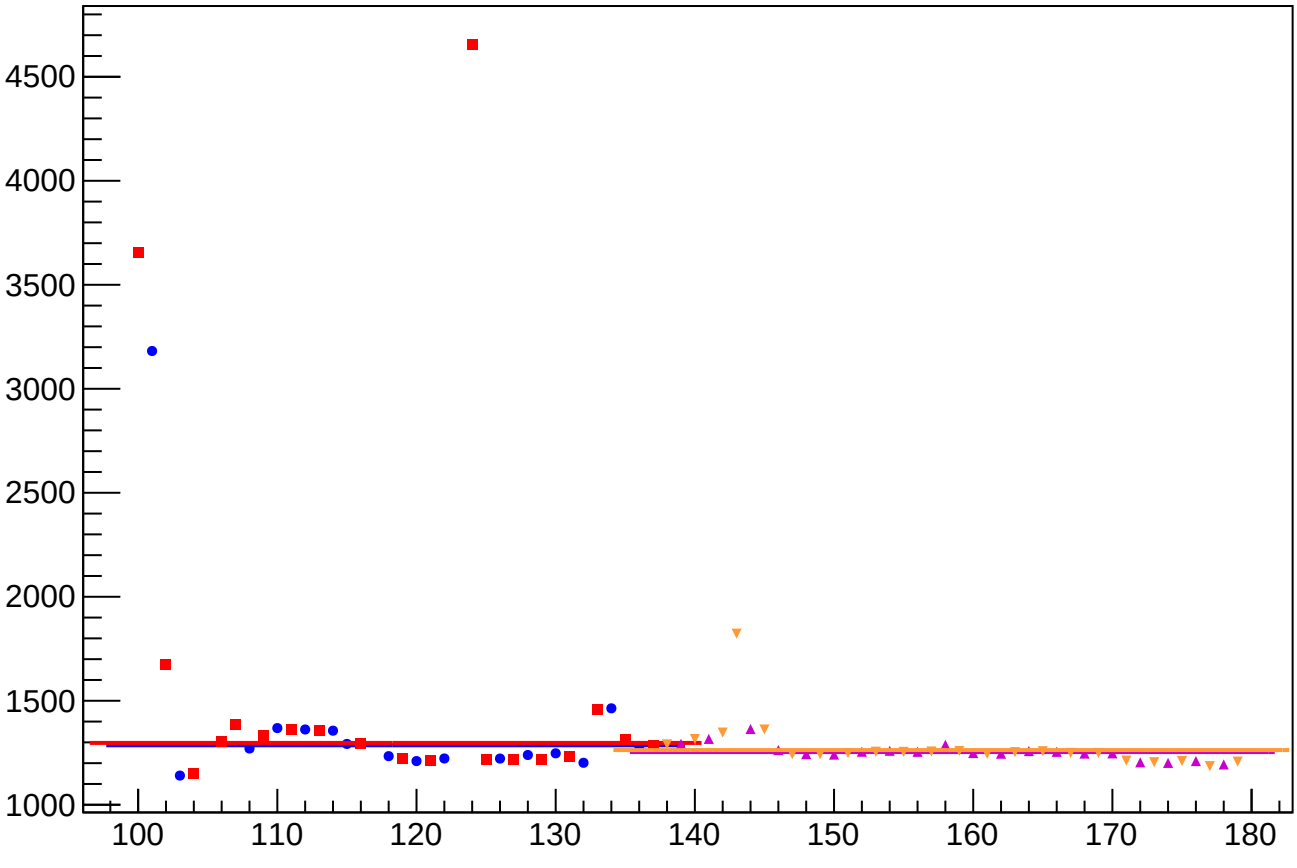
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -430.196+/-302.828 χ²/NDF:25.6/21
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -337.523+/-310.167 χ²/NDF:23.6/19
Left: -384.969+/-216.680 χ²/NDF: 49.2/41
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -469.909+/-261.684 χ²/NDF:37.6/35
Out: -412.673+/-257.068 χ²/NDF:41.3/40
All: -440.782+/-183.385 χ²/NDF: 78.9/76



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1258.295+/-0.153 χ^2/NDF: 223517.9/41

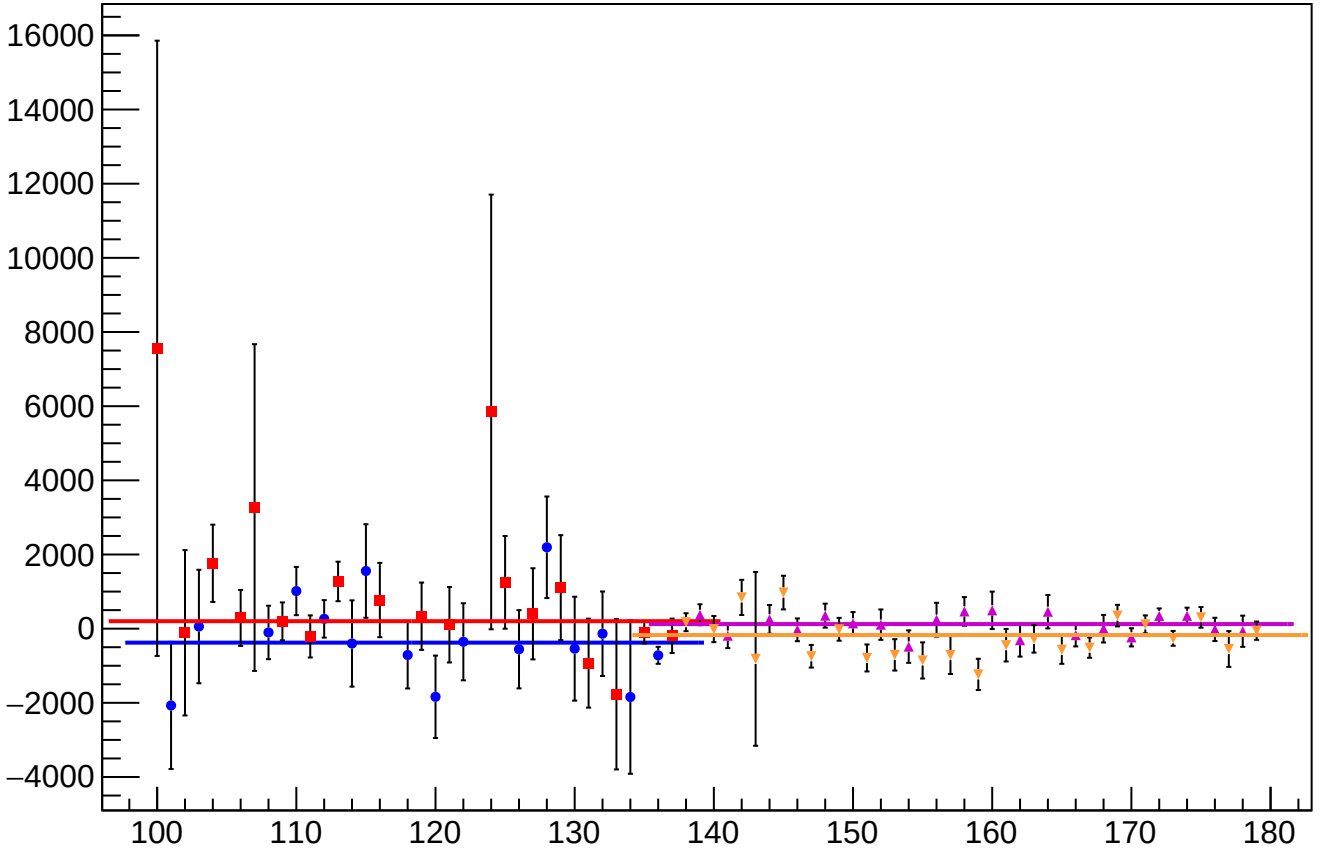
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -28.078+/-50.302 χ^2/NDF: 64.6/41

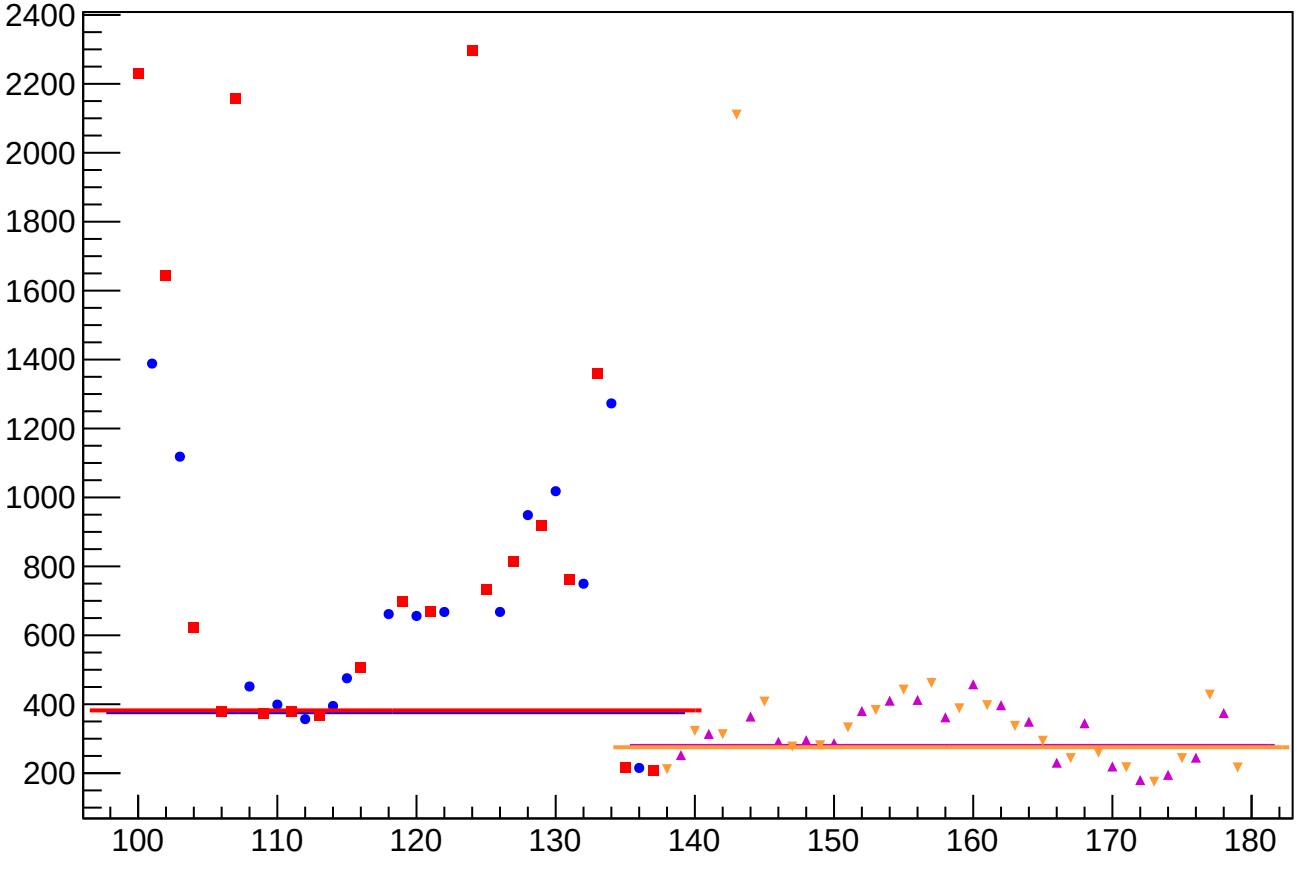
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -37.311+/-46.354 χ^2/NDF: 102.7/76

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

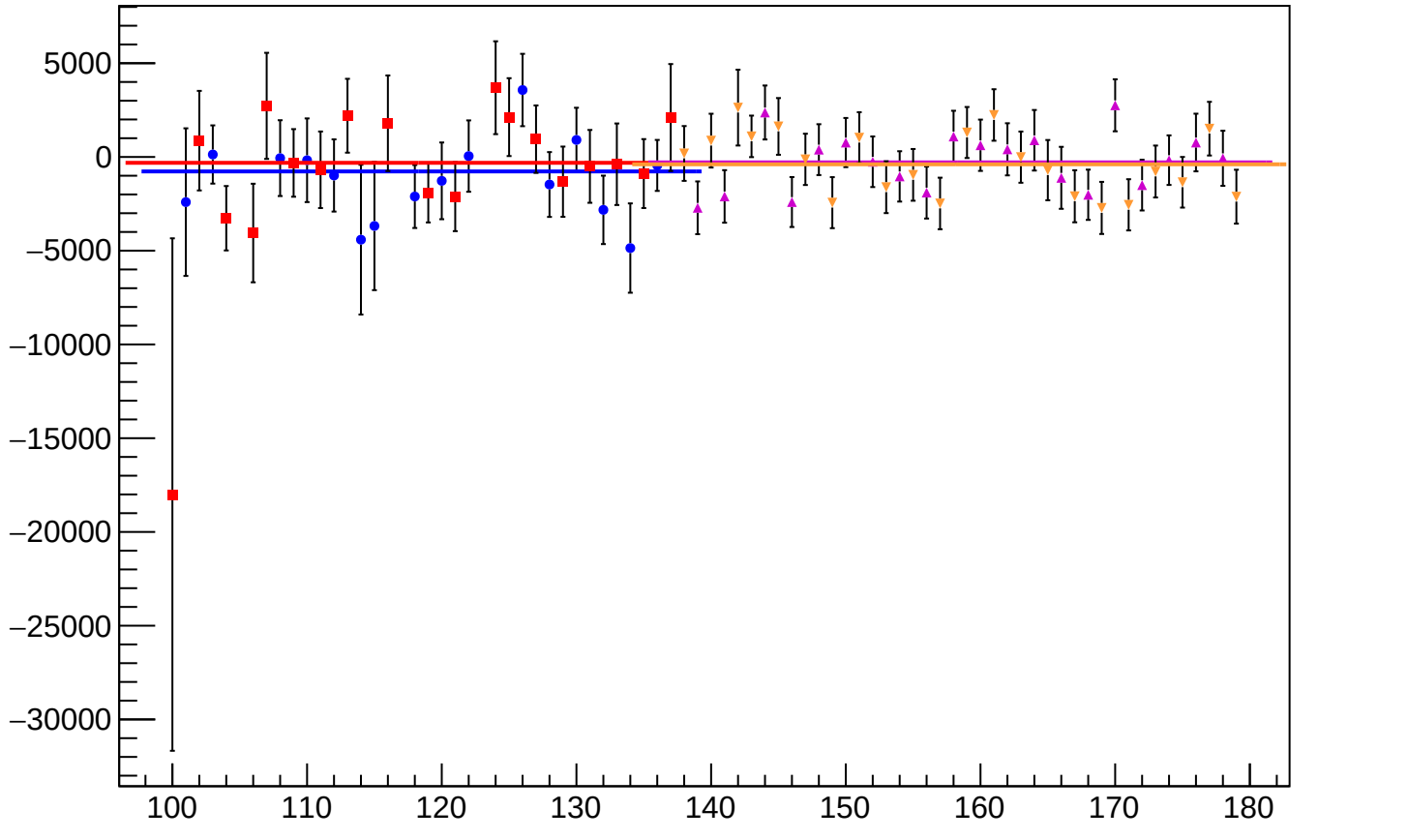
Left: 277.077+/-0.036 χ^2/NDF: 5910891.6/41

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.037+/-298.059 χ^2/NDF:29.4/21

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -288.852+/-312.718 χ^2/NDF:23.4/19

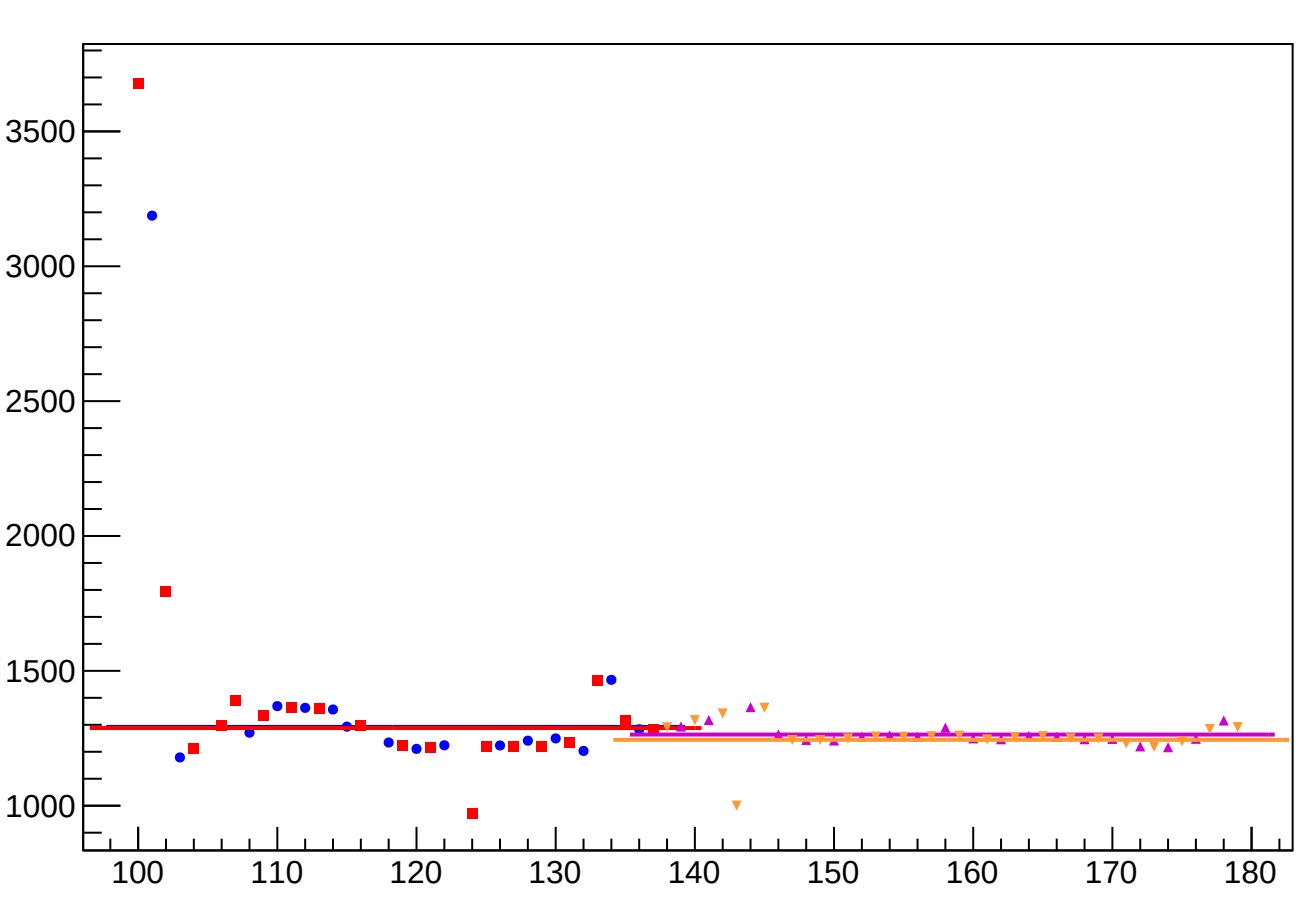
Left: -342.396+/-215.756 χ^2/NDF: 52.8/41

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -428.701+/-263.547 χ^2/NDF:37.7/35

Out: -369.055+/-253.598 χ^2/NDF:47.3/40

All: -397.731+/-182.737 χ^2/NDF: 85.1/76



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1244.181+/-0.211 χ^2/NDF:127011.8/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.3/19

Left: 1253.510+/-0.153 χ^2/NDF: 155384.9/41

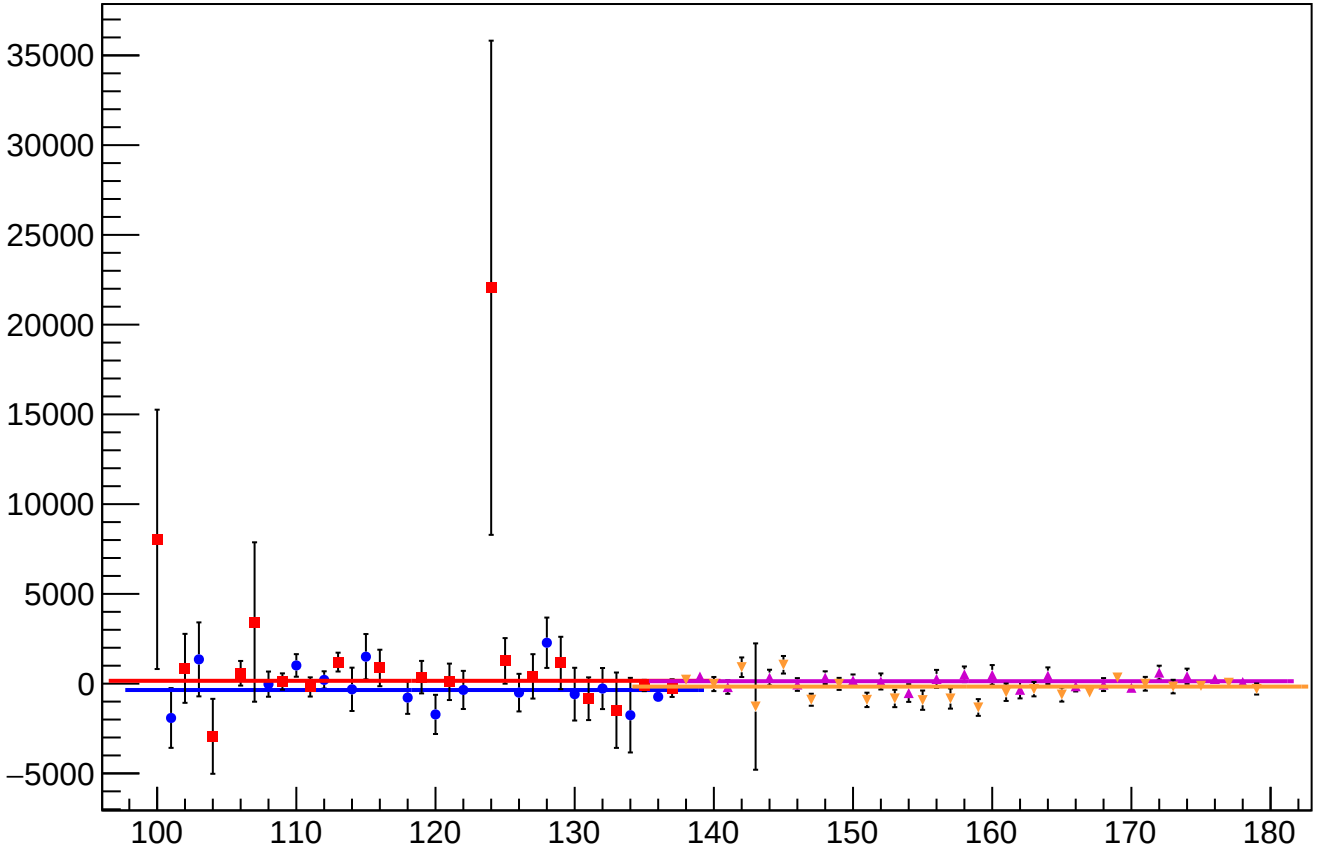
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.967+/-0.186 χ^2/NDF:538395.7/35

Out: 1256.276+/-0.179 χ^2/NDF:348148.2/40

All: 1263.820+/-0.129 χ^2/NDF: 890225.1/76

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -164.211+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 135.587+/-73.662 χ^2/NDF:13.0/19

Left: -27.344+/-49.771 χ^2/NDF: 63.8/41

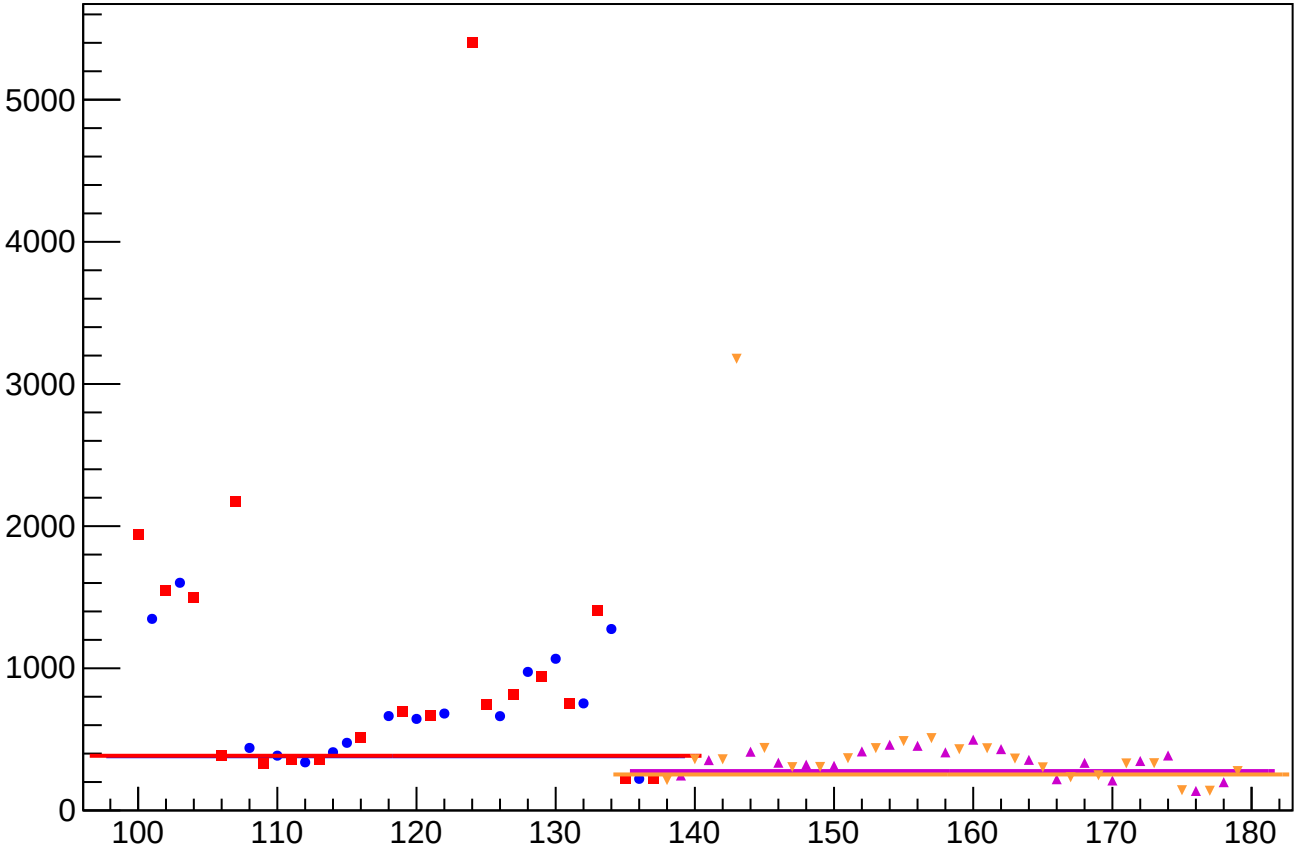
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 57.980+/-67.587 χ^2/NDF:38.5/35

Out: -120.176+/-62.729 χ^2/NDF:60.7/40

All: -37.731+/-45.978 χ^2/NDF: 102.9/76

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.247+/-0.048 χ^2/NDF:6289956.3/21

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 277.021+/-0.052 χ^2/NDF:3988205.7/19

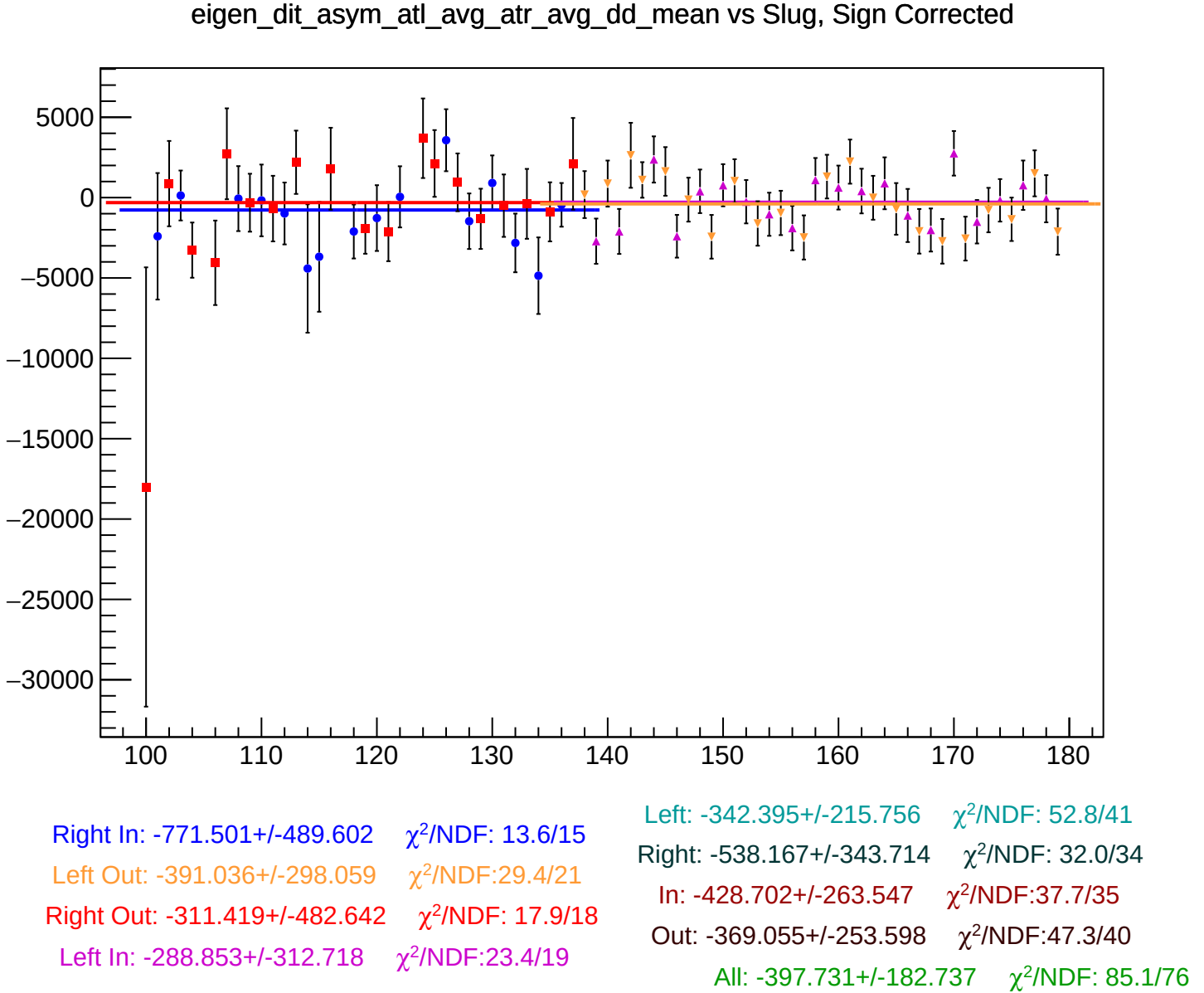
Left: 264.100+/-0.035 χ^2/NDF: 10391380.0/41

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 293.517+/-0.048 χ^2/NDF:8940493.5/35

Out: 271.209+/-0.044 χ^2/NDF:11885847.5/40

All: 281.533+/-0.033 χ^2/NDF: 20943388.8/76


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
−30000
100
110
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130
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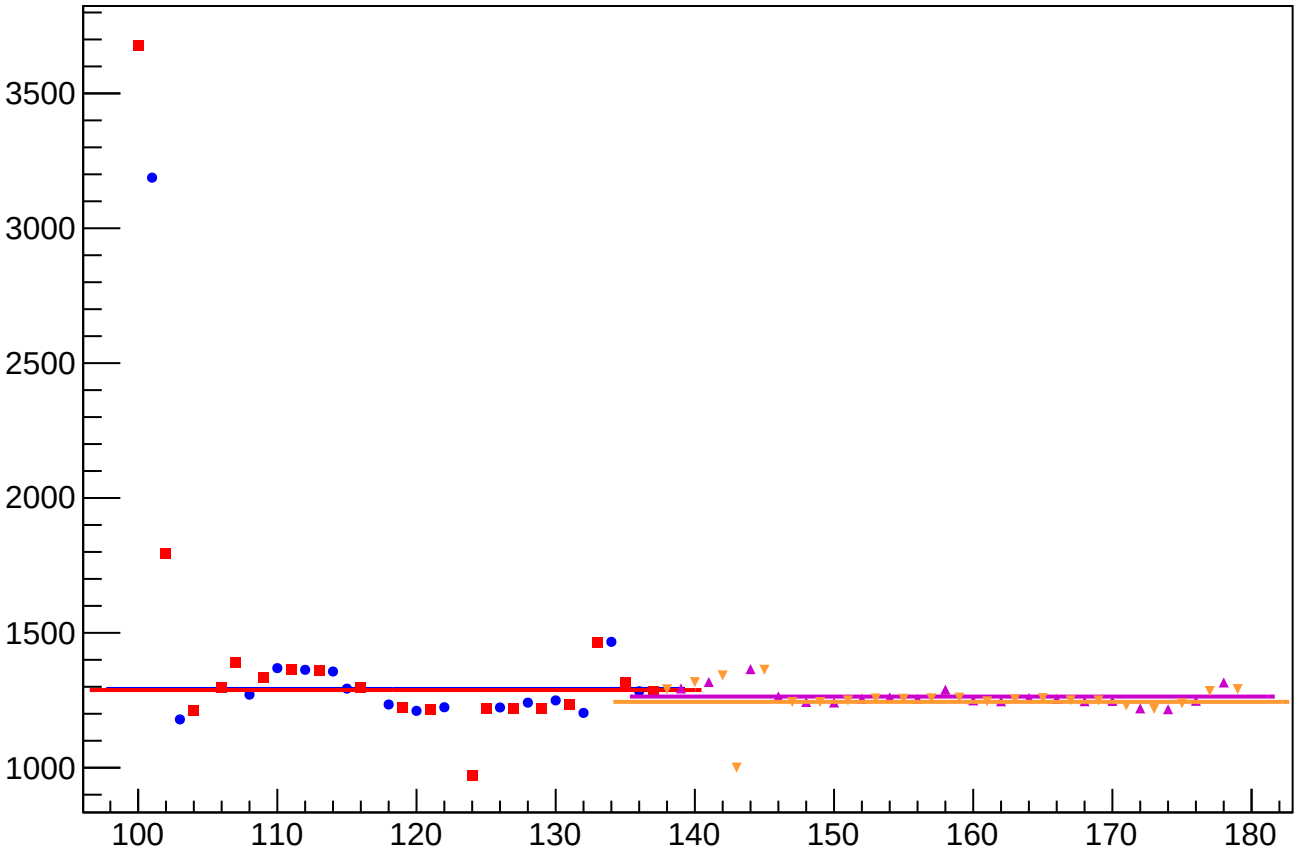
170
180
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -391.036+/-298.059 χ²/NDF:29.4/21
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -288.853+/-312.718 χ²/NDF:23.4/19
Left: -342.395+/-215.756 χ²/NDF: 52.8/41
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -428.702+/-263.547 χ²/NDF:37.7/35
Out: -369.055+/-253.598 χ²/NDF:47.3/40
All: -397.731+/-182.737 χ²/NDF: 85.1/76



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1244.182+/-0.211 χ^2/NDF:127011.0/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.4/19

Left: 1253.510+/-0.153 χ^2/NDF: 155384.0/41

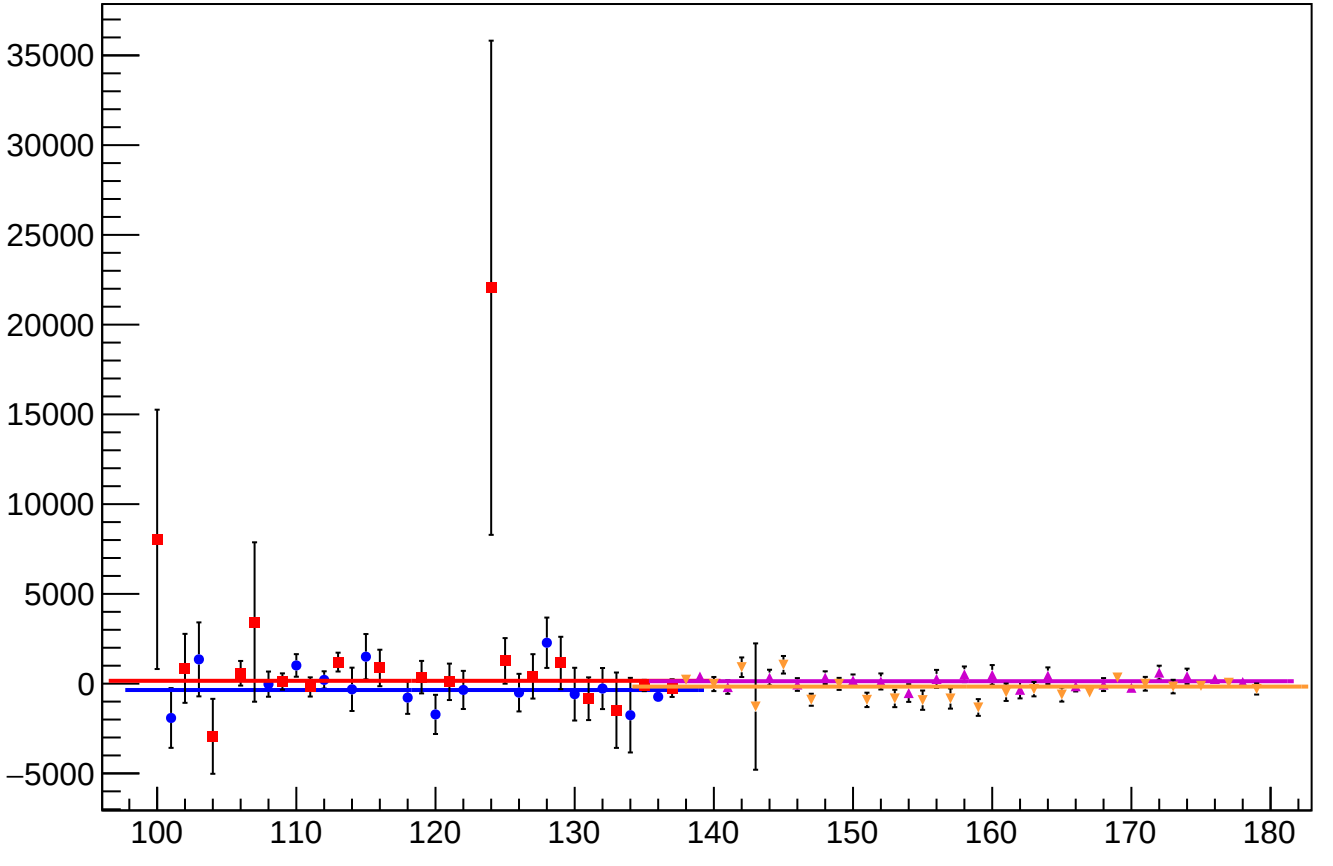
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.967+/-0.186 χ^2/NDF:538395.8/35

Out: 1256.276+/-0.179 χ^2/NDF:348147.6/40

All: 1263.820+/-0.129 χ^2/NDF: 890224.6/76

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -164.215+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 135.586+/-73.662 χ^2/NDF:13.0/19

Left: -27.347+/-49.771 χ^2/NDF: 63.8/41

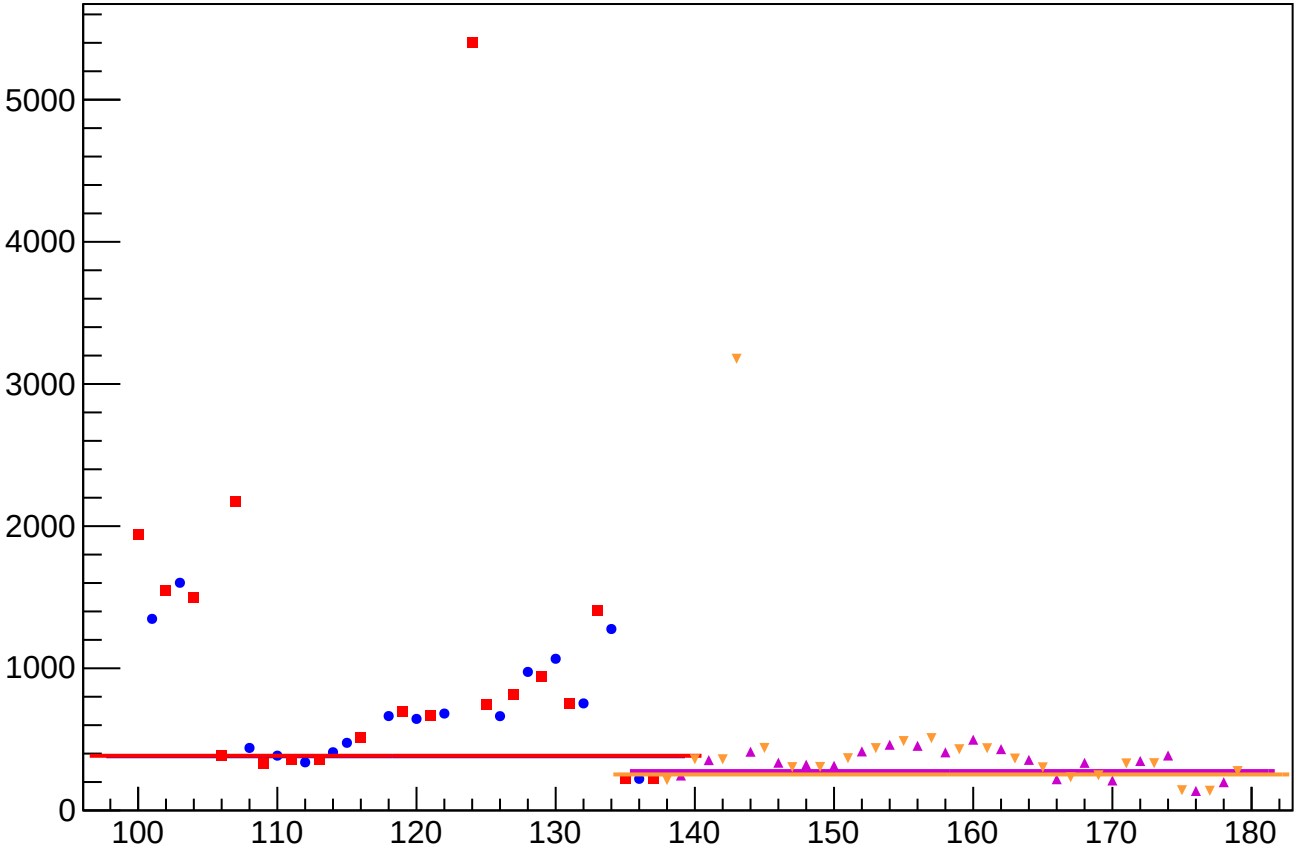
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 57.981+/-67.588 χ^2/NDF:38.5/35

Out: -120.180+/-62.729 χ^2/NDF:60.7/40

All: -37.732+/-45.978 χ^2/NDF: 102.9/76

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 277.021+/-0.052 χ^2/NDF:3988159.1/19

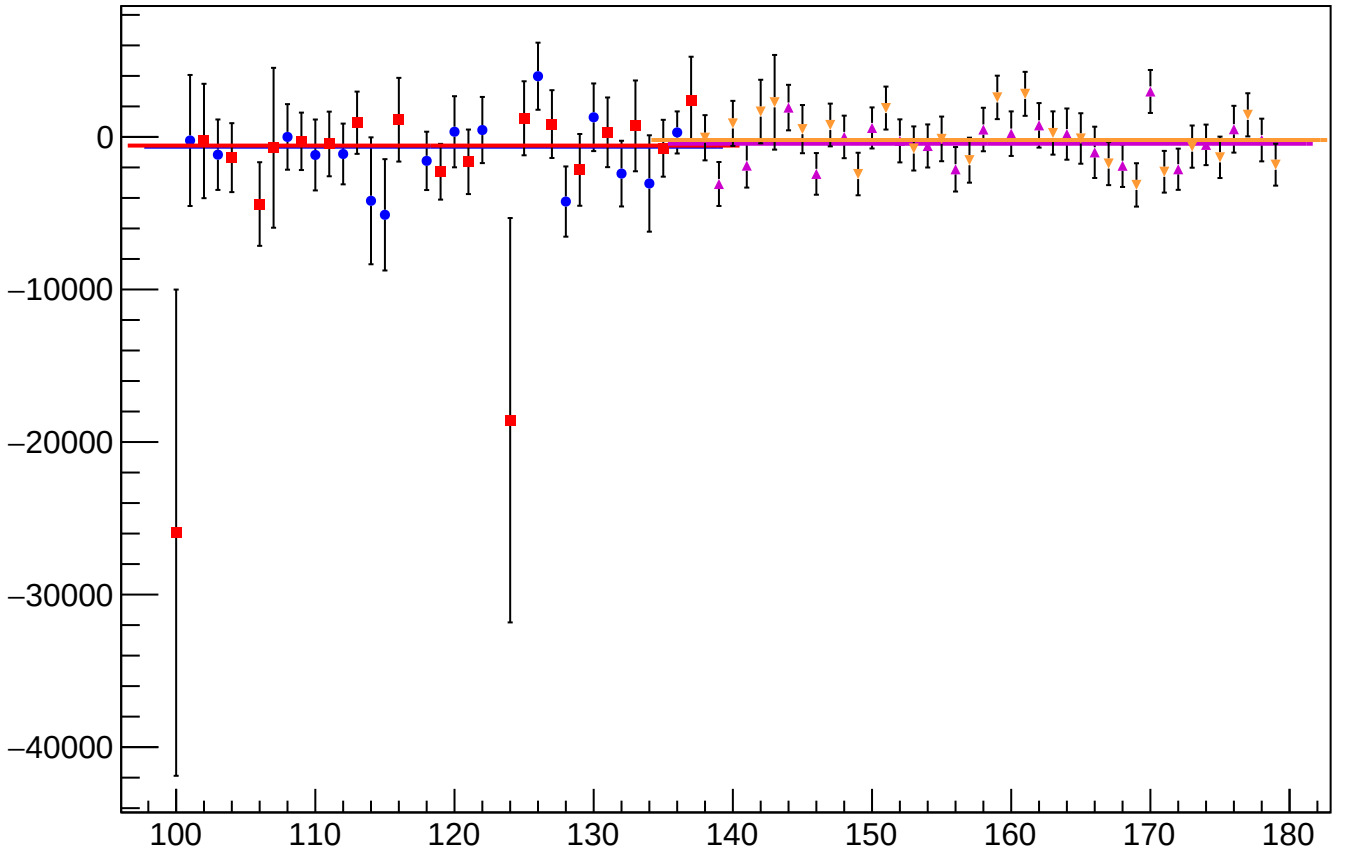
Left: 264.102+/-0.035 χ^2/NDF: 10391230.0/41

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 293.519+/-0.048 χ^2/NDF:8940354.1/35

Out: 271.211+/-0.044 χ^2/NDF:11885684.6/40

All: 281.535+/-0.033 χ^2/NDF: 20943083.6/76



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -446.954+/-321.102 χ^2/NDF:21.5/19

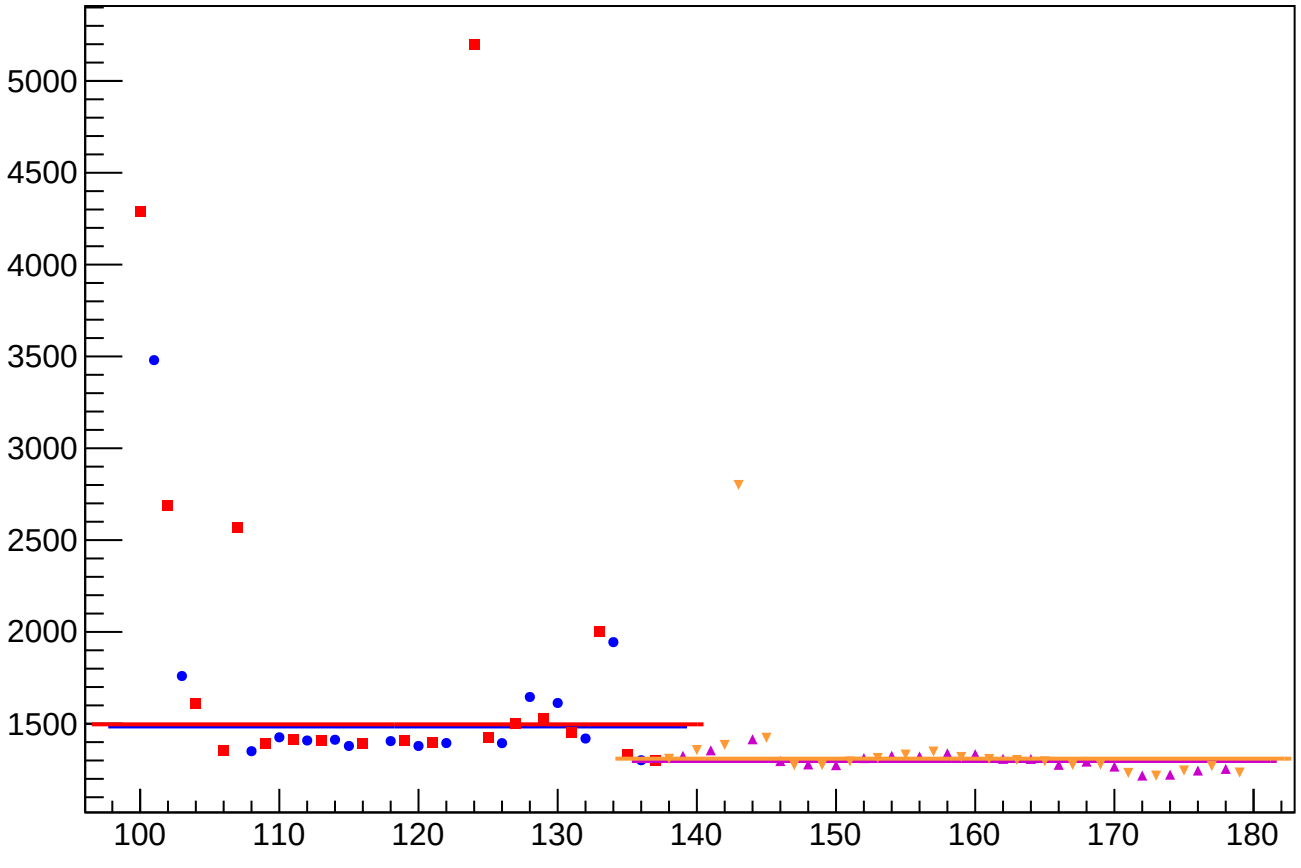
Left: -322.508+/-225.077 χ^2/NDF: 49.9/41

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -494.365+/-279.091 χ^2/NDF:34.1/35

Out: -288.673+/-275.724 χ^2/NDF:39.7/40

All: -390.271+/-196.146 χ^2/NDF: 74.1/76



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1310.023+/-0.223 χ^2/NDF:510839.7/21

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1297.339+/-0.227 χ^2/NDF:40935.2/19

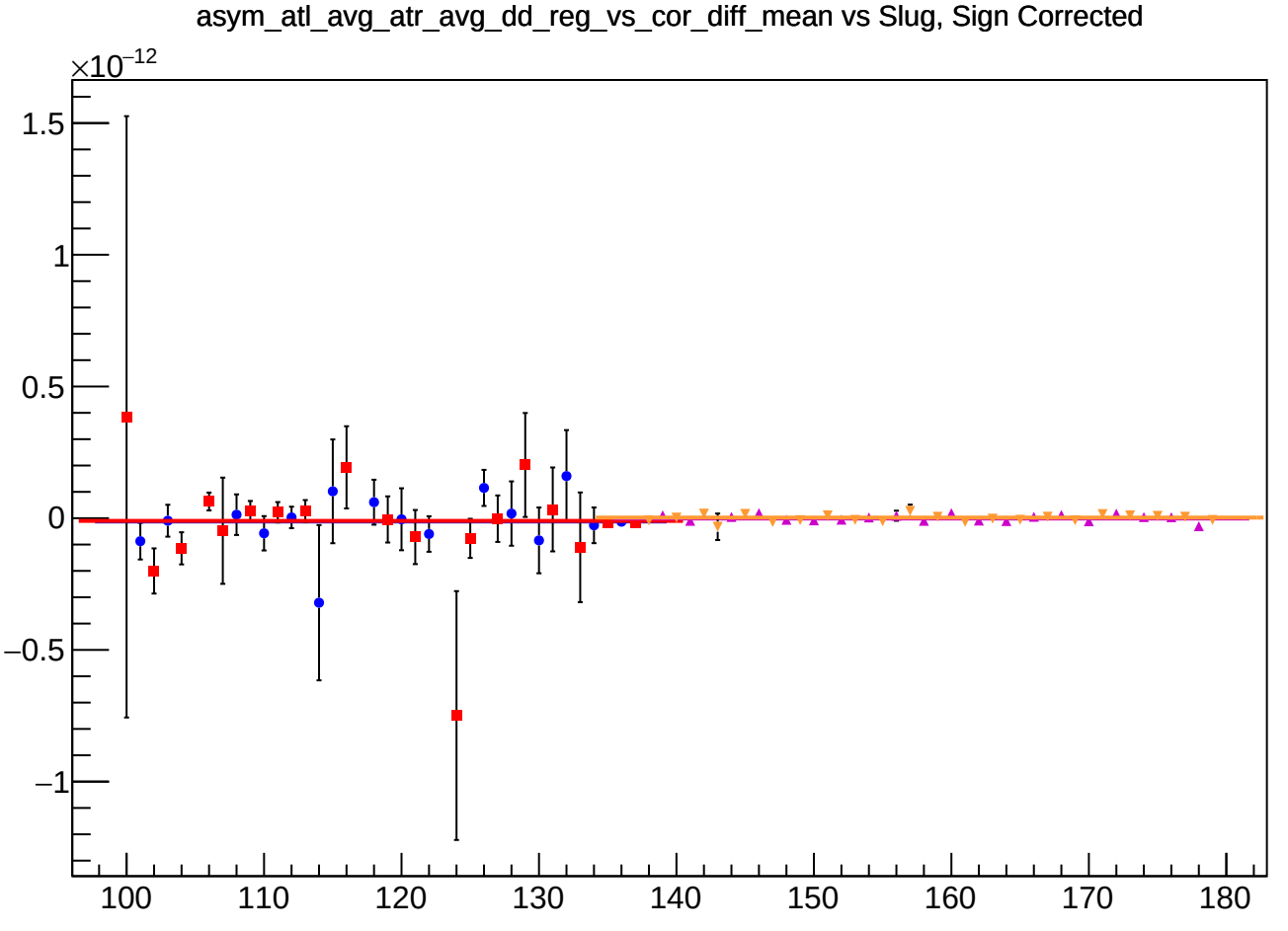
Left: 1303.791+/-0.159 χ^2/NDF: 553362.3/41

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1343.322+/-0.197 χ^2/NDF:793121.2/35

Out: 1354.242+/-0.195 χ^2/NDF:1300045.8/40

All: 1348.848+/-0.139 χ^2/NDF: 2094716.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/19

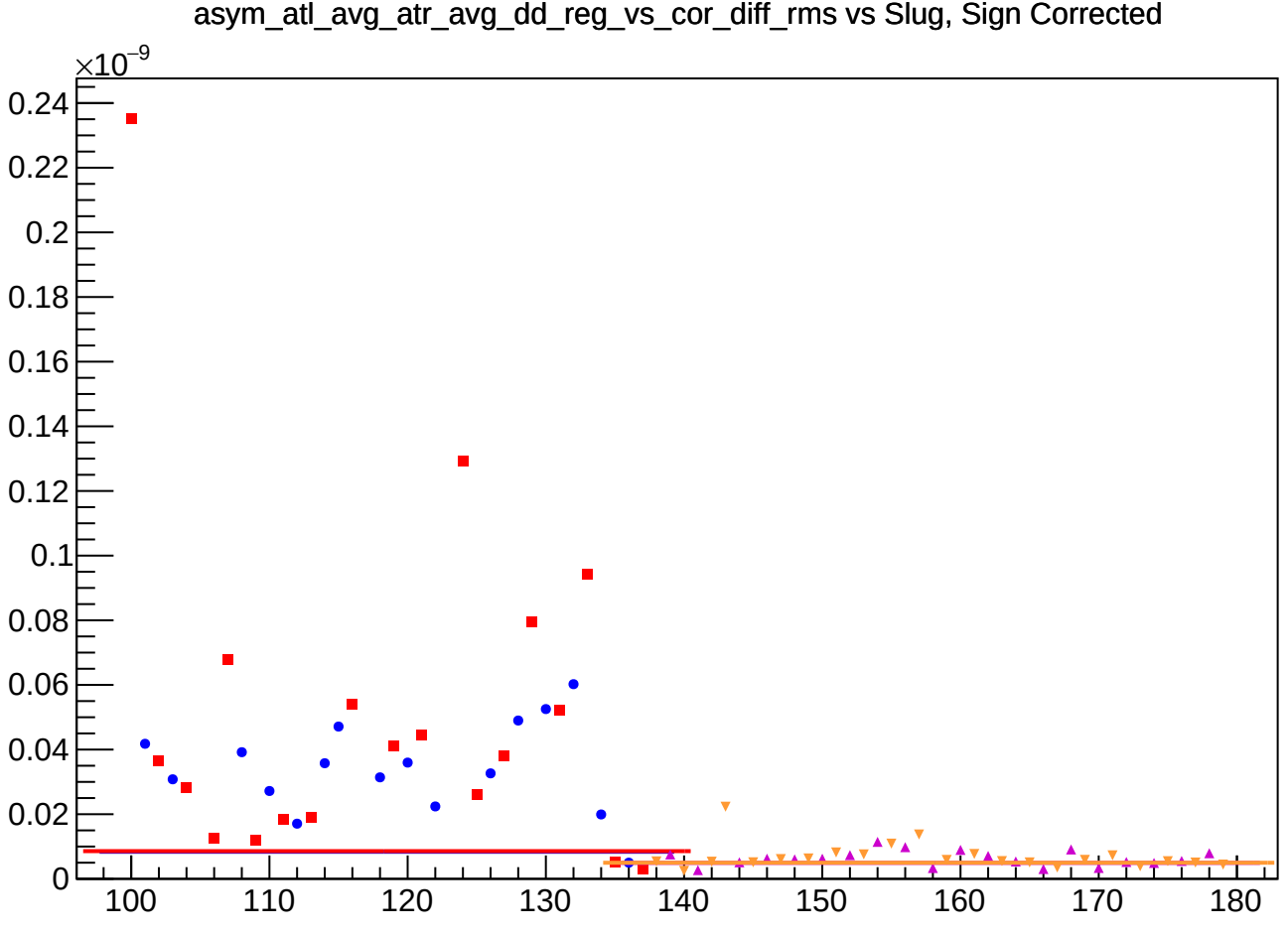
Left: 0.000+/-0.000 χ^2/NDF: 46.1/41

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: 0.000+/-0.000 χ^2/NDF:44.4/40

All: -0.000+/-0.000 χ^2/NDF: 82.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1893844.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1762003.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3656306.7/41

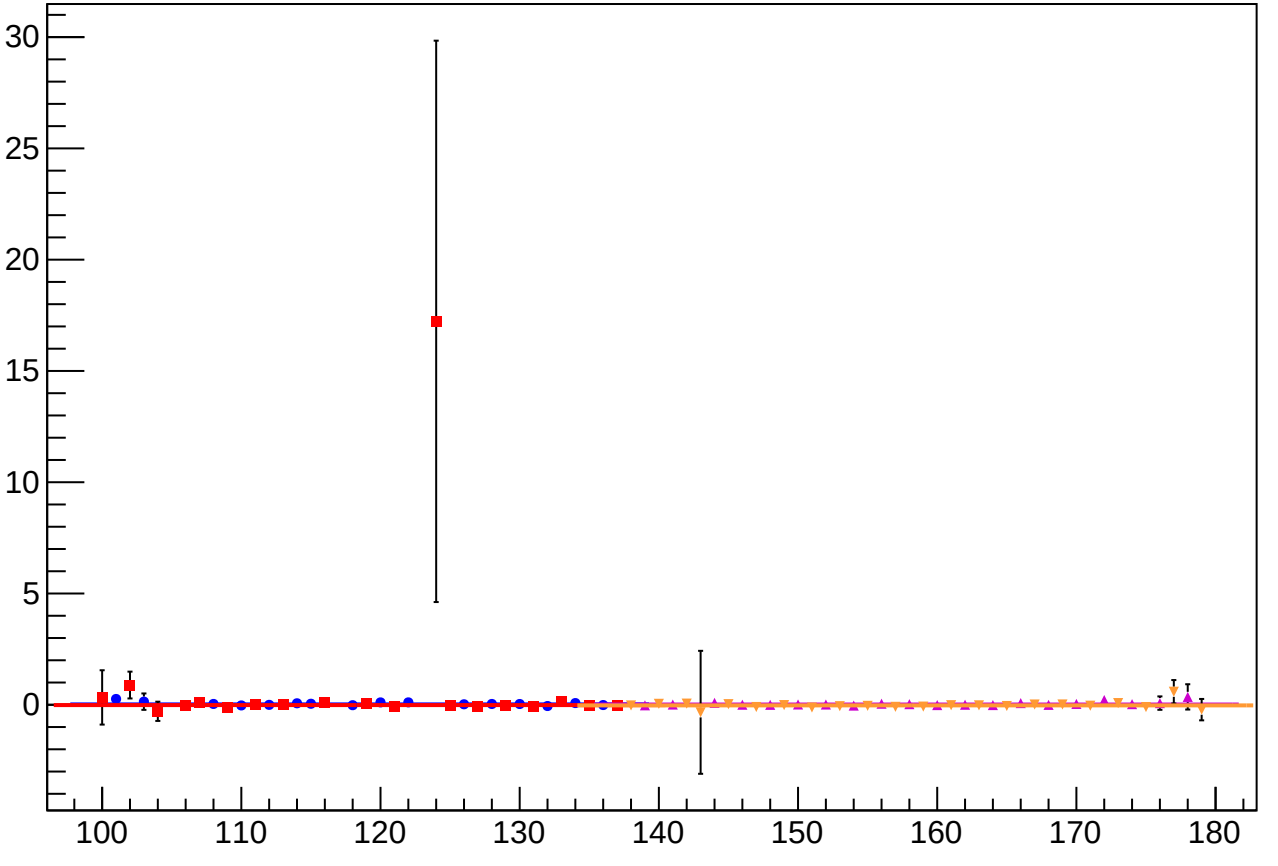
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5217173.0/35

Out: 0.000+/-0.000 χ^2/NDF:5619521.9/40

All: 0.000+/-0.000 χ^2/NDF: 10836694.9/76

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

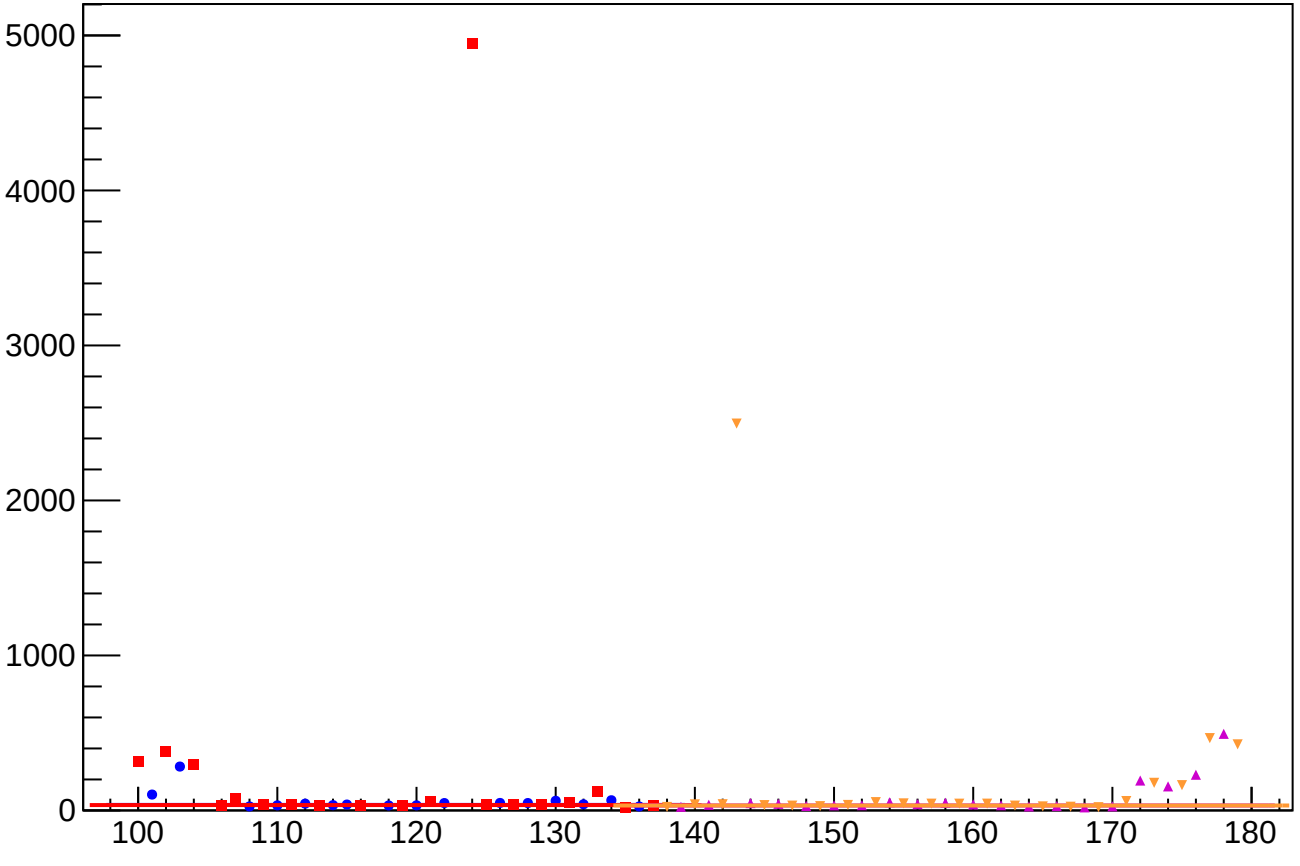
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

Left: 32.067+/-0.005 χ^2/NDF: 13985093.9/41

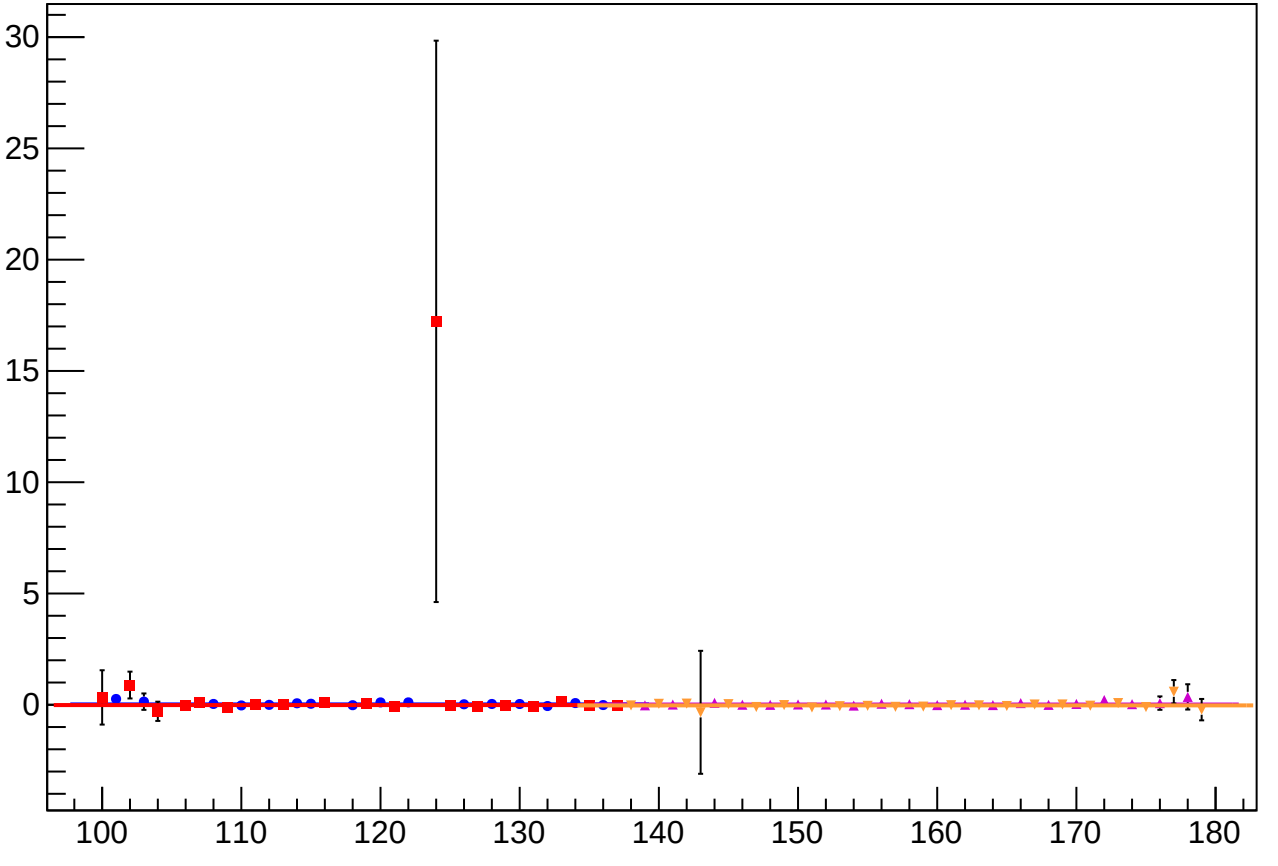
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

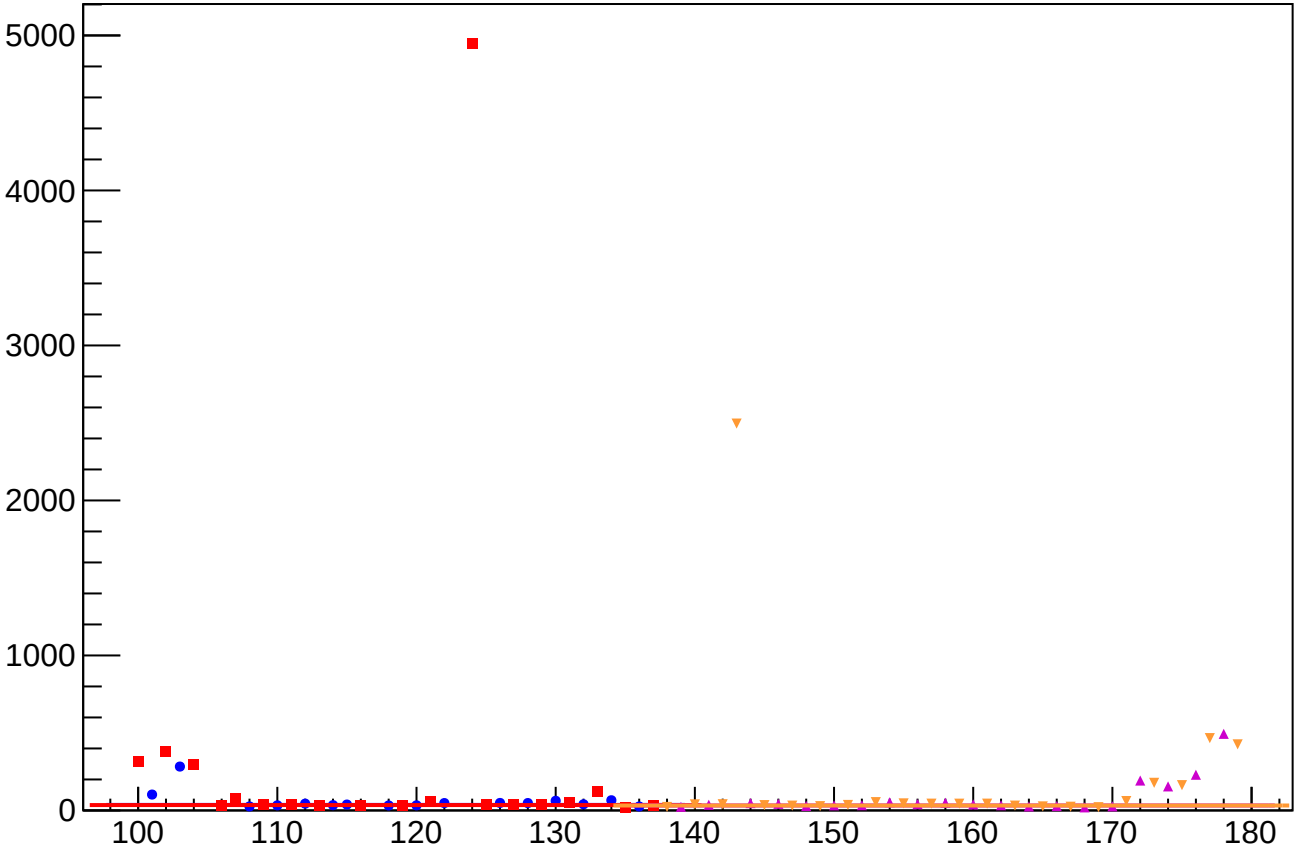
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

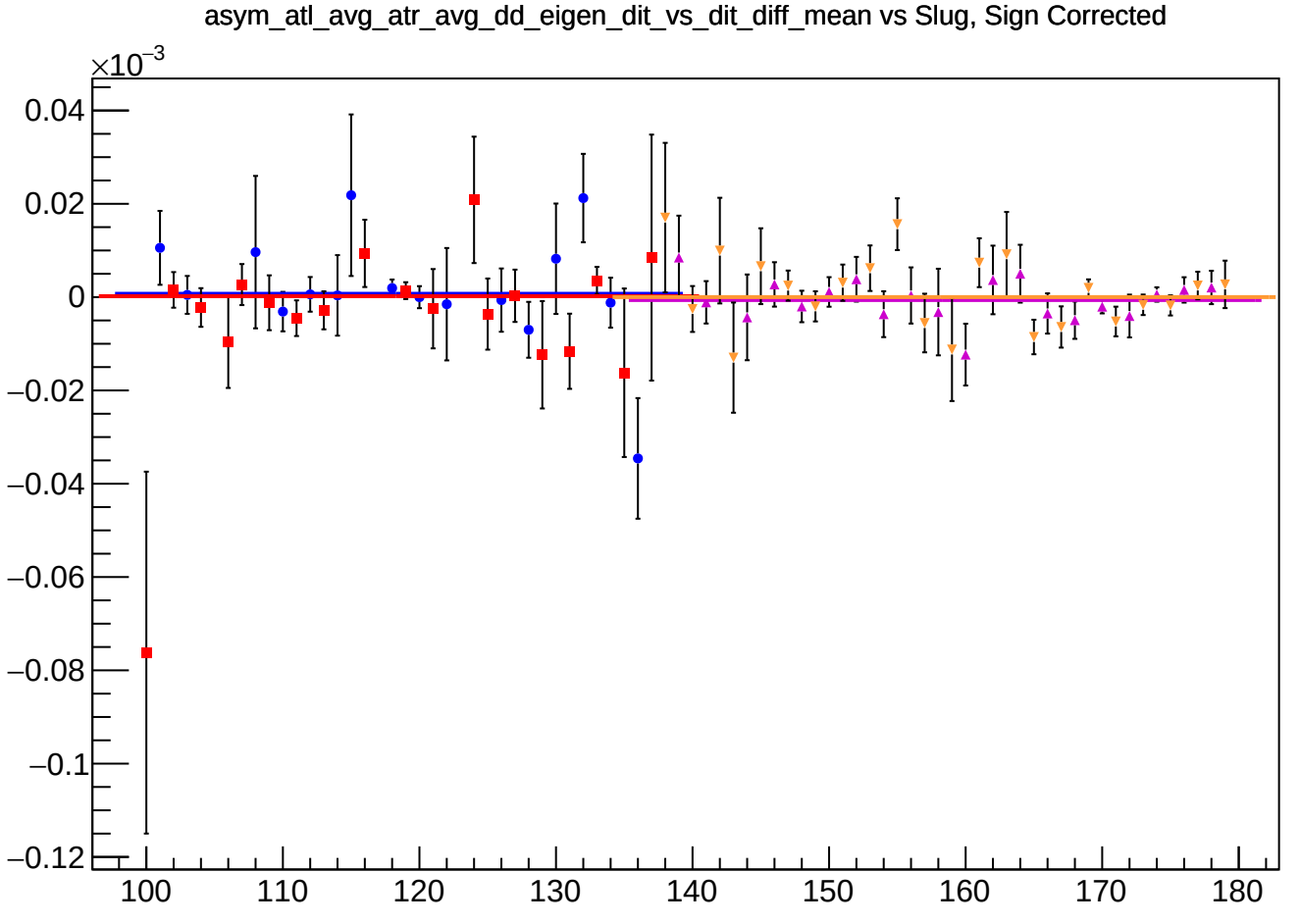
Left: 32.067+/-0.005 χ^2/NDF: 13985093.9/41

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/19

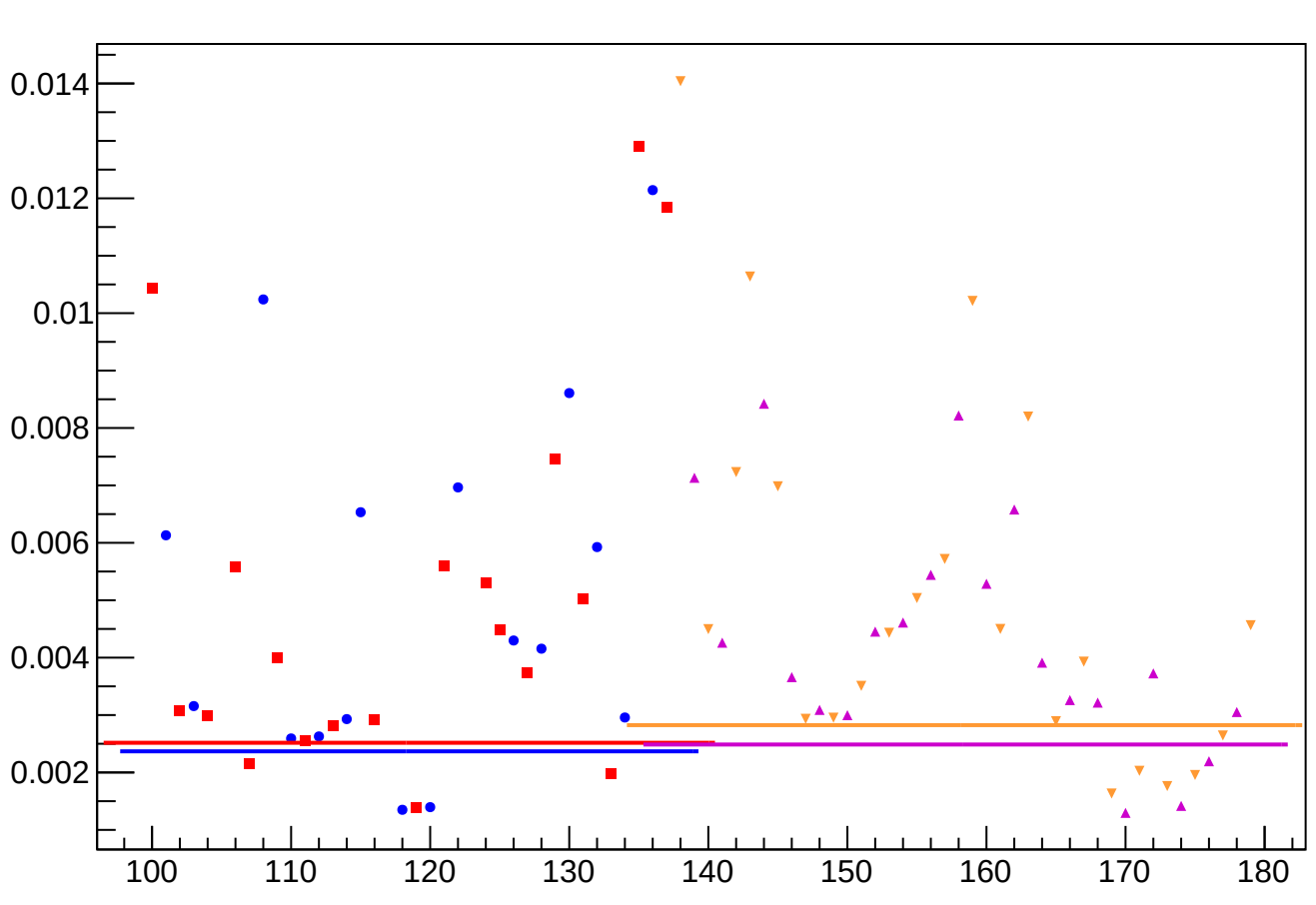
Left: -0.000+/-0.000 χ^2/NDF: 46.6/41

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.8/35

Out: 0.000+/-0.000 χ^2/NDF:51.6/40

All: -0.000+/-0.000 χ^2/NDF: 84.6/76



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7872903.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7615566.6/19

Left: 0.003+/-0.000 χ^2/NDF: 15679414.5/41

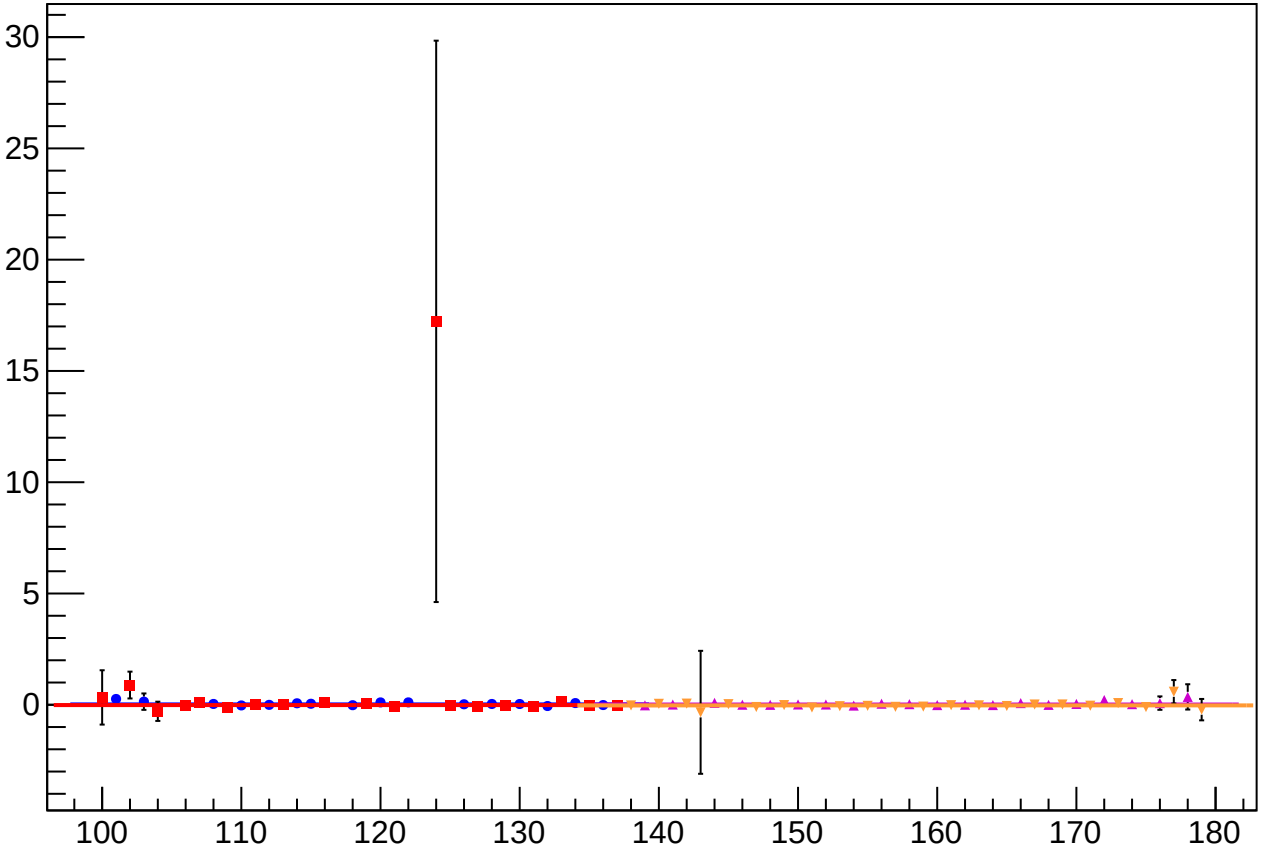
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12352907.7/35

Out: 0.003+/-0.000 χ^2/NDF:11377474.8/40

All: 0.003+/-0.000 χ^2/NDF: 23908327.2/76

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

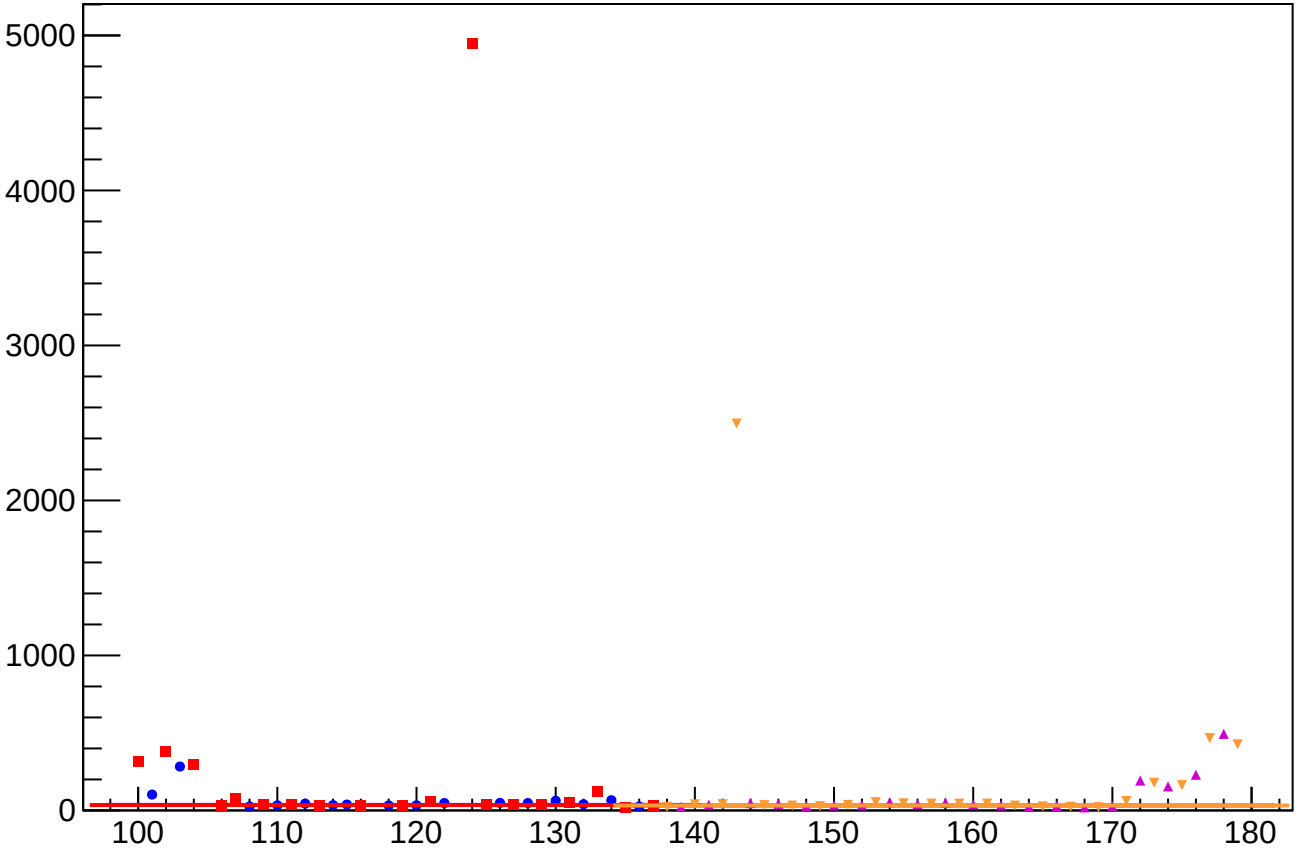
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

Left: 32.066+/-0.005 χ^2/NDF: 13985946.5/41

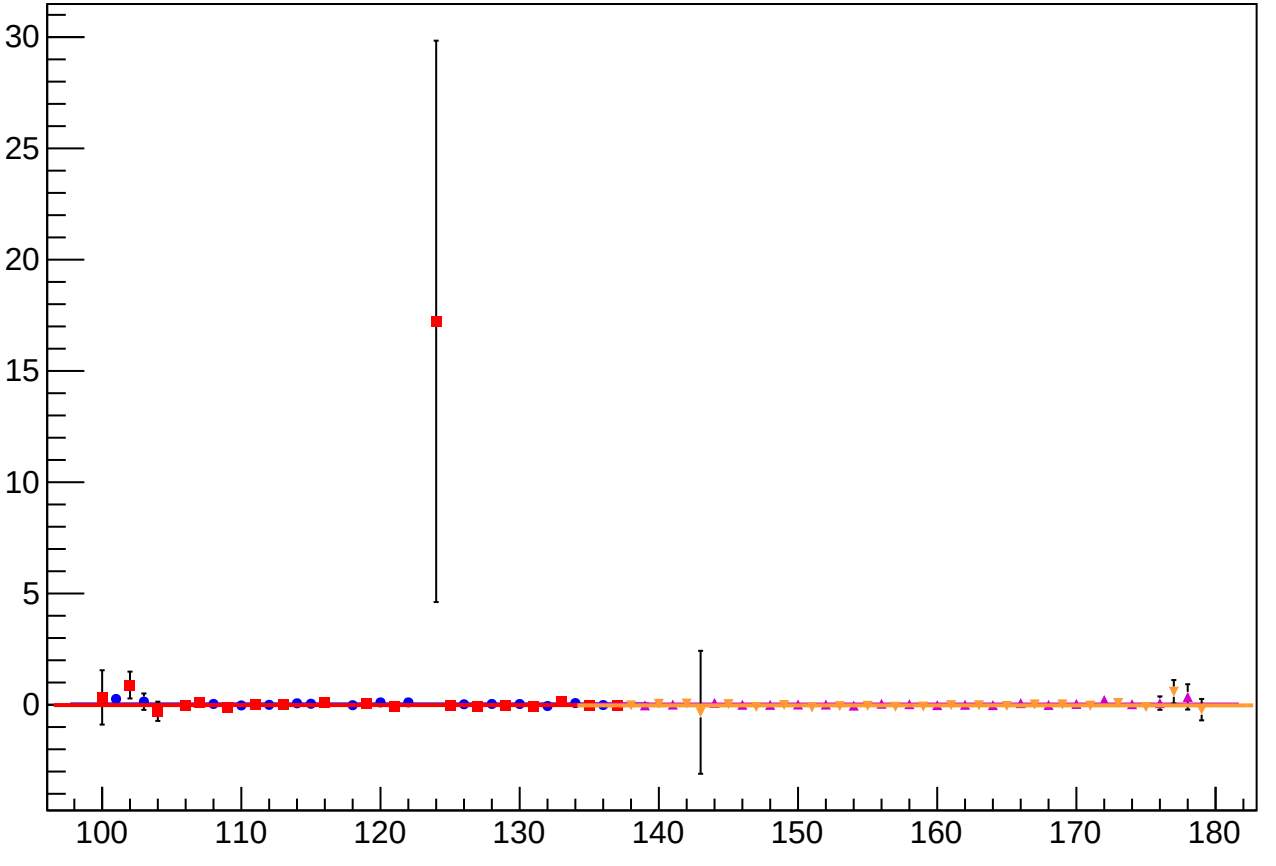
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

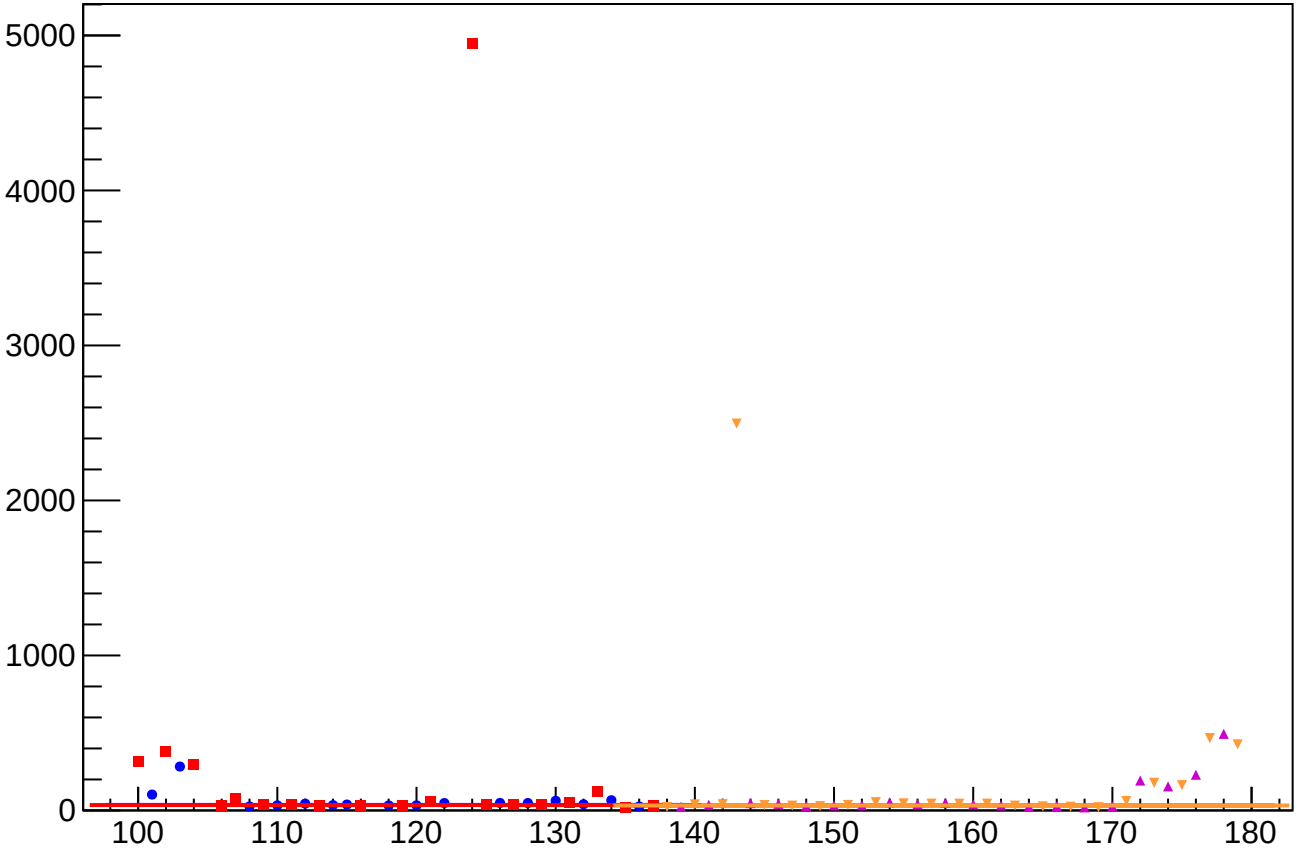
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

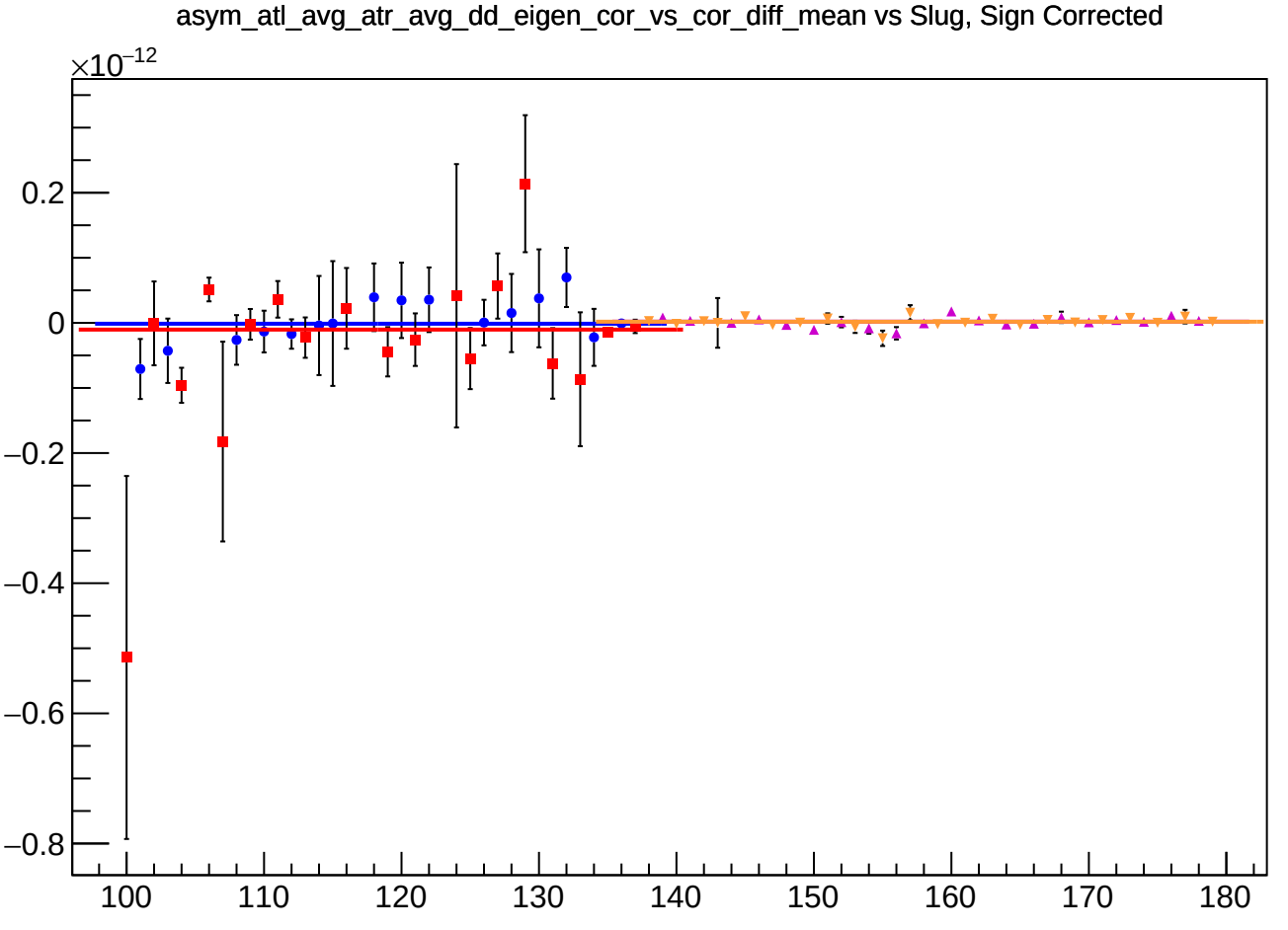
Left: 32.066+/-0.005 χ^2/NDF: 13985946.5/41

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/19

Left: 0.000+/-0.000 χ^2/NDF: 38.4/41

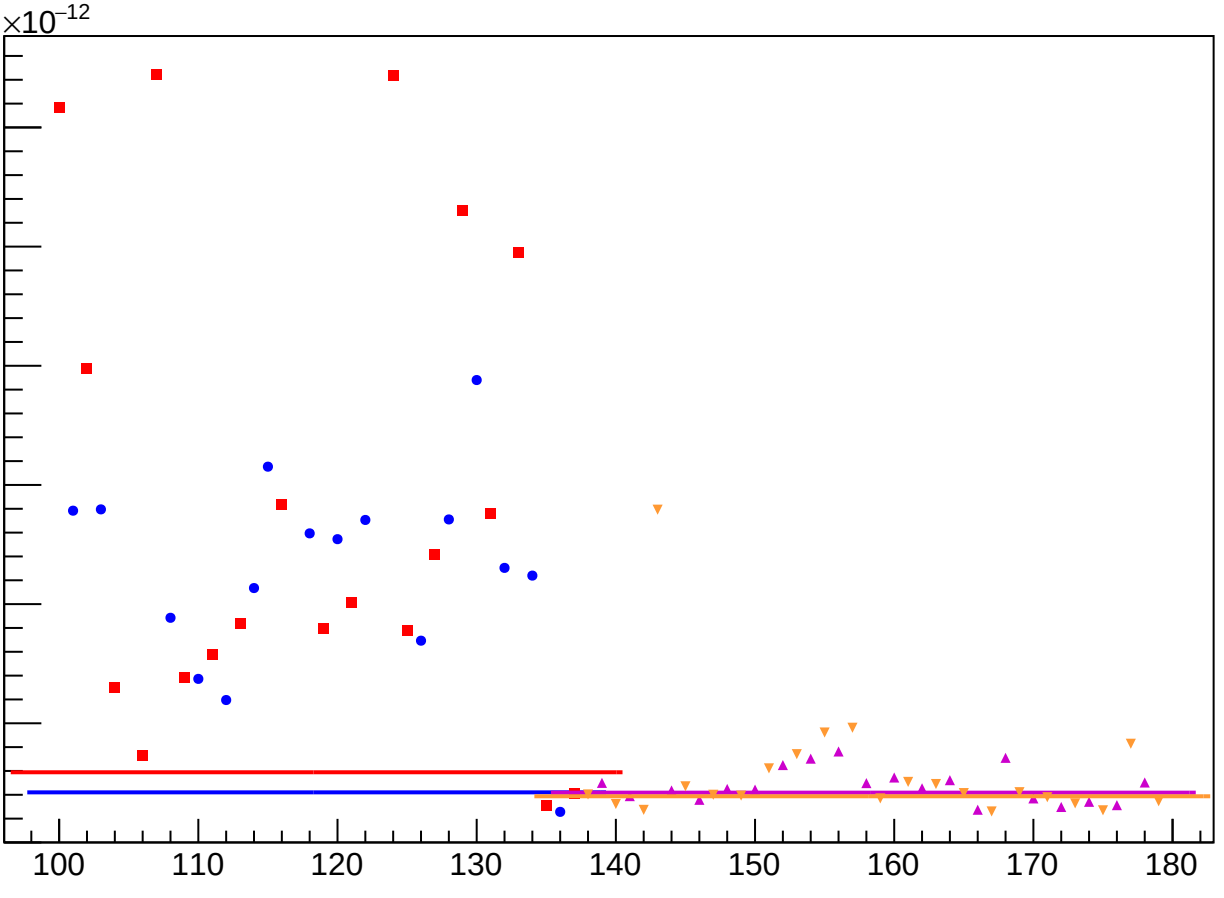
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:32.3/35

Out: 0.000+/-0.000 χ^2/NDF:63.1/40

All: 0.000+/-0.000 χ^2/NDF: 95.6/76

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3302086.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1691644.8/19

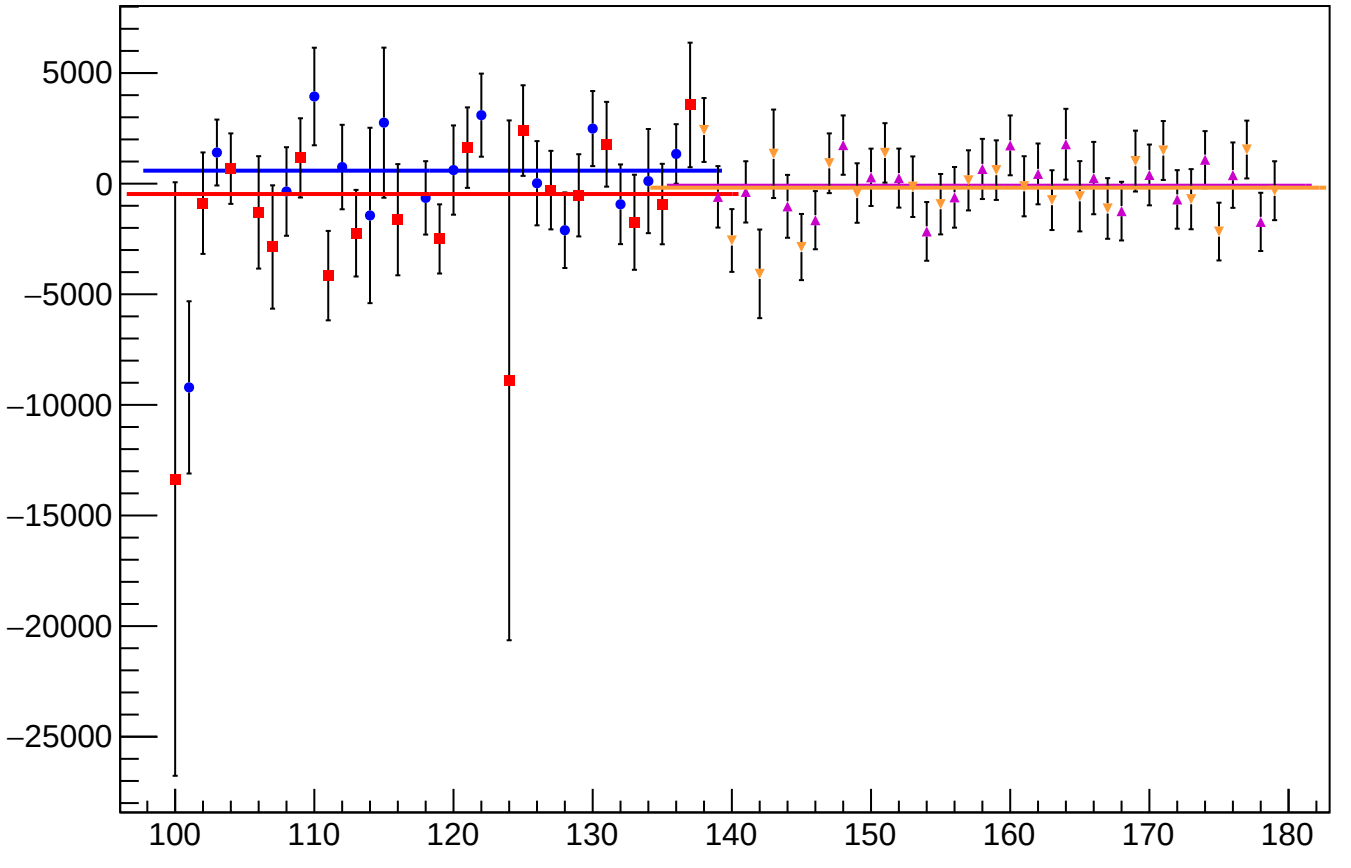
Left: 0.000+/-0.000 χ^2/NDF: 5054084.5/41

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6771960.1/35

Out: 0.000+/-0.000 χ^2/NDF:8592833.7/40

All: 0.000+/-0.000 χ^2/NDF: 15381988.6/76



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -92.918+/-307.018 χ^2/NDF:13.9/19

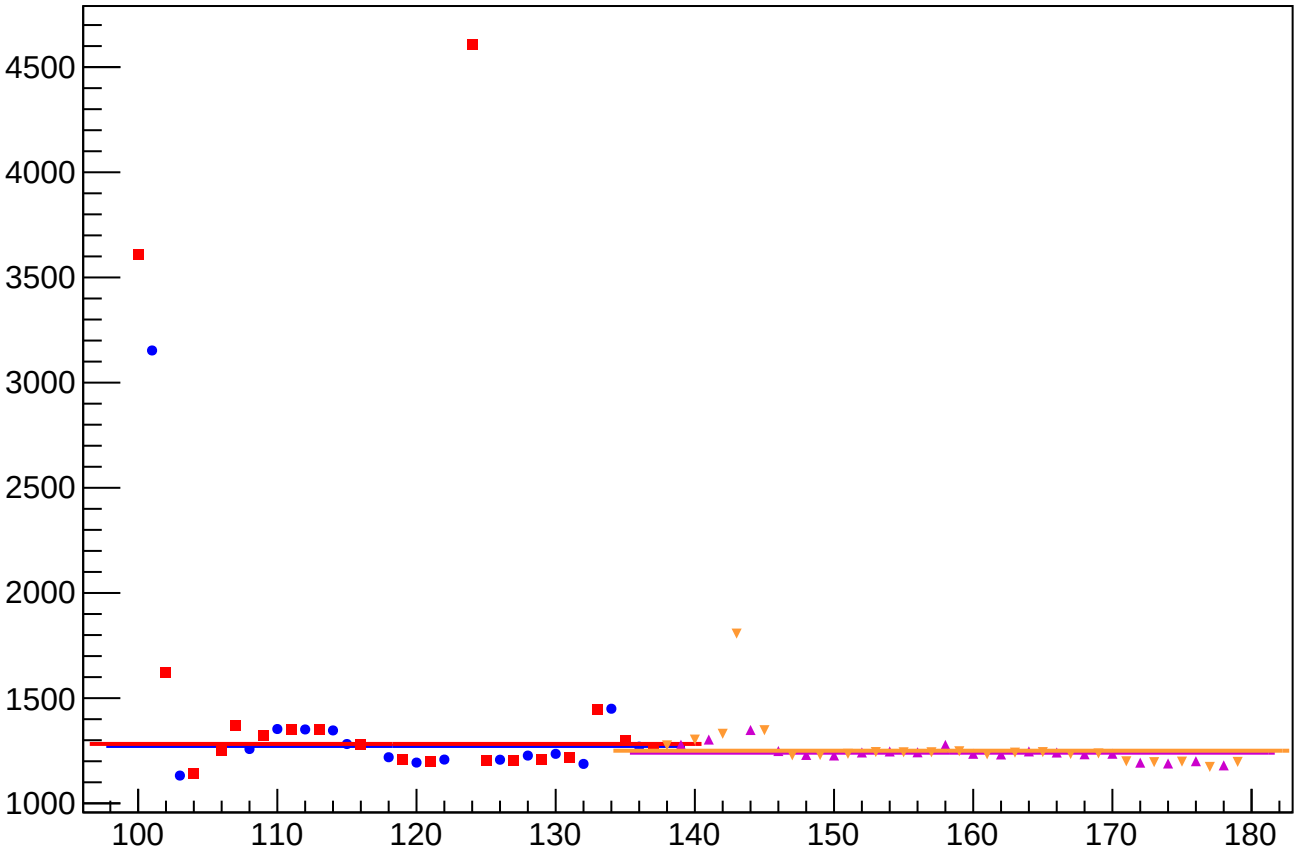
Left: -138.345+/-214.479 χ^2/NDF: 37.6/41

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 103.053+/-259.016 χ^2/NDF:32.4/35

Out: -262.147+/-254.324 χ^2/NDF:40.8/40

All: -82.885+/-181.470 χ^2/NDF: 74.2/76



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

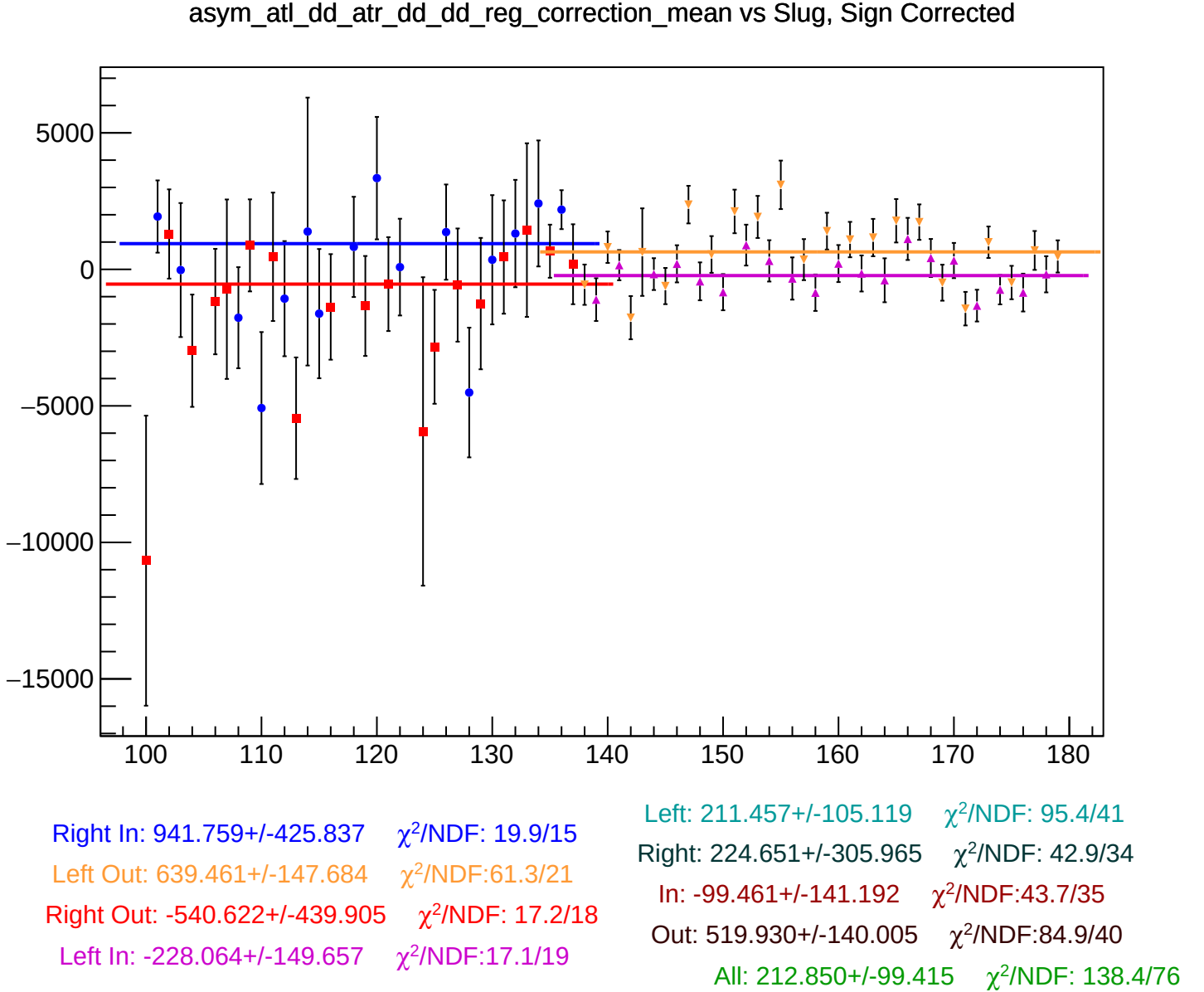
Left: 1245.522+/-0.152 χ^2/NDF: 223352.5/41

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

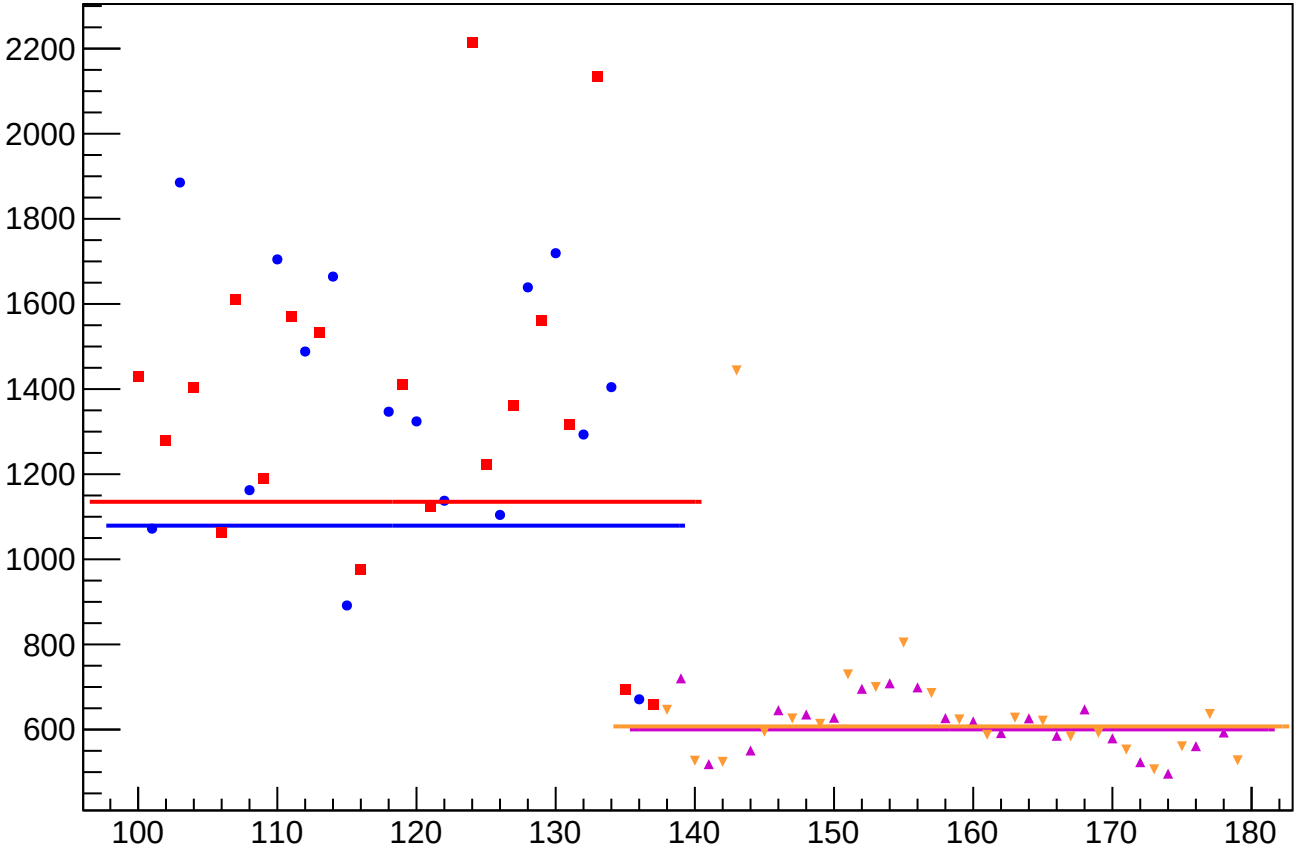
In: 1249.938+/-0.183 χ^2/NDF:556228.4/35

Out: 1259.168+/-0.180 χ^2/NDF:520315.8/40

All: 1254.637+/-0.128 χ^2/NDF: 1077837.3/76


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 639.461+/-147.684 χ²/NDF:61.3/21
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -228.064+/-149.657 χ²/NDF:17.1/19
Left: 211.457+/-105.119 χ²/NDF: 95.4/41
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: -99.461+/-141.192 χ²/NDF:43.7/35
Out: 519.930+/-140.005 χ²/NDF:84.9/40
All: 212.850+/-99.415 χ²/NDF: 138.4/76

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.408+/-0.106 χ^2/NDF:362658.3/19

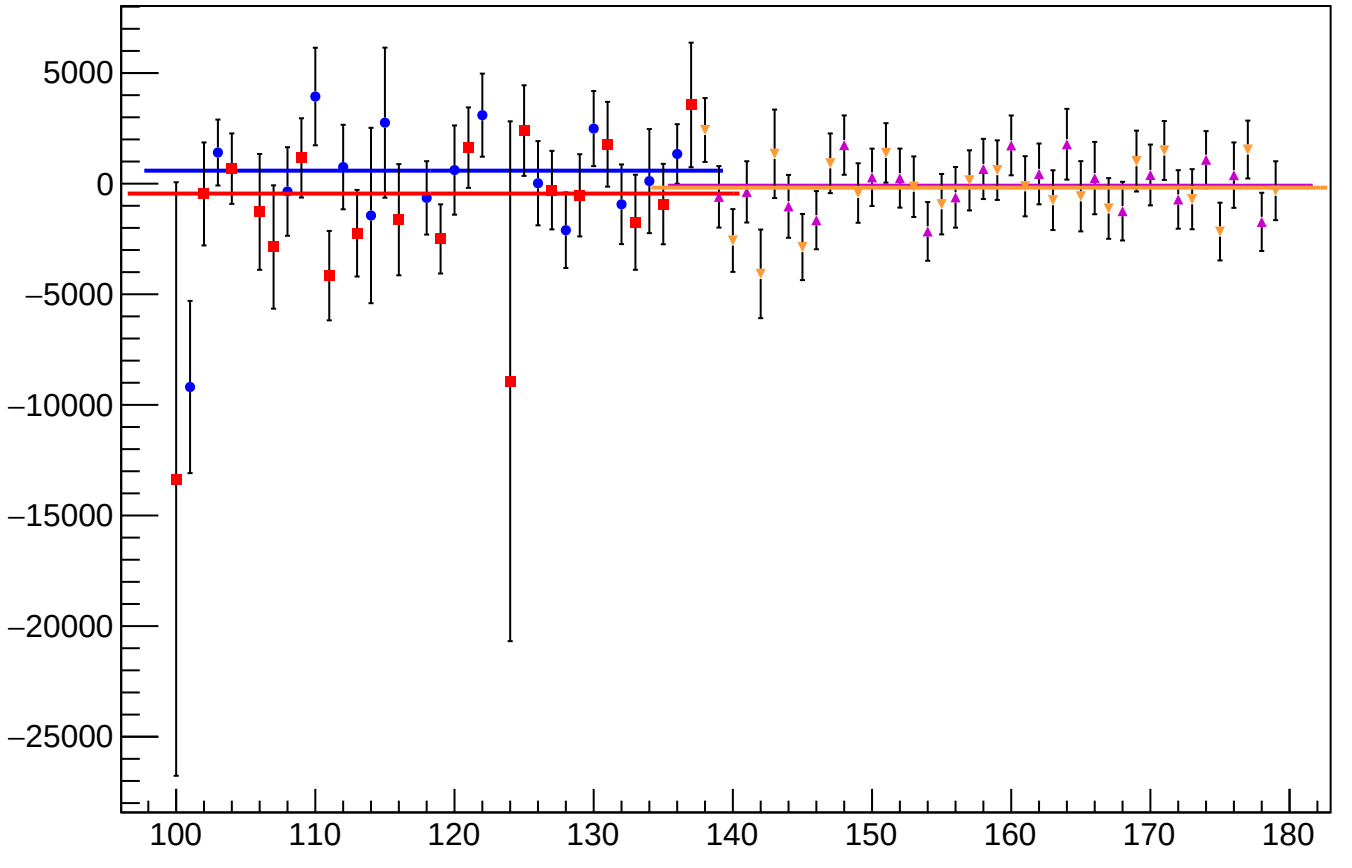
Left: 603.927+/-0.074 χ^2/NDF: 1311986.8/41

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 653.035+/-0.100 χ^2/NDF:4094535.5/35

Out: 660.816+/-0.099 χ^2/NDF:4827737.9/40

All: 656.958+/-0.070 χ^2/NDF: 8925336.2/76



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -92.963+/-307.018 χ^2/NDF:13.9/19

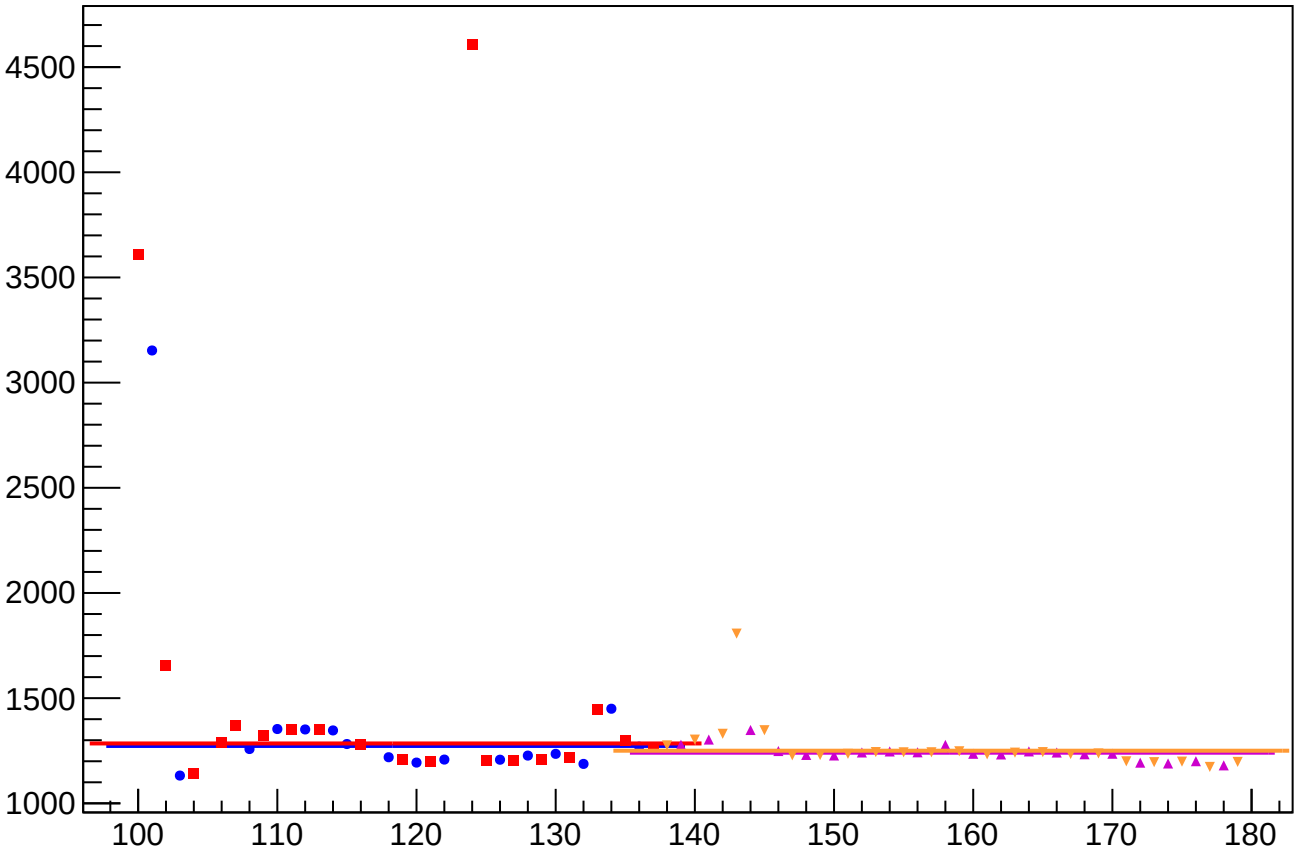
Left: -138.384+/-214.479 χ^2/NDF: 37.6/41

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -79.751+/-181.514 χ^2/NDF: 74.1/76



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

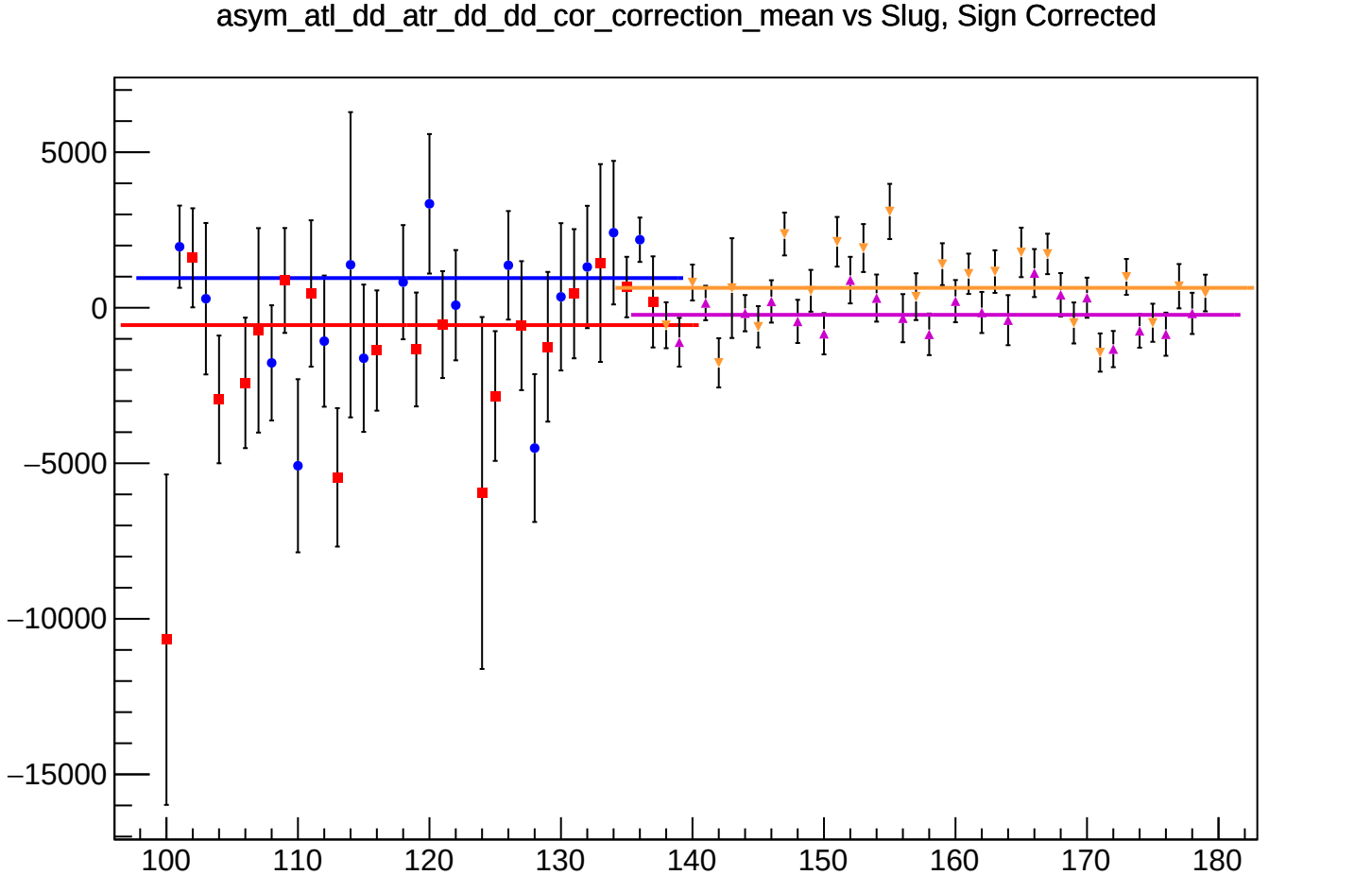
Left: 1245.522+/-0.152 χ^2/NDF: 223352.5/41

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -228.055+/-149.657 χ^2/NDF:17.1/19

Left: 211.480+/-105.119 χ^2/NDF: 95.4/41

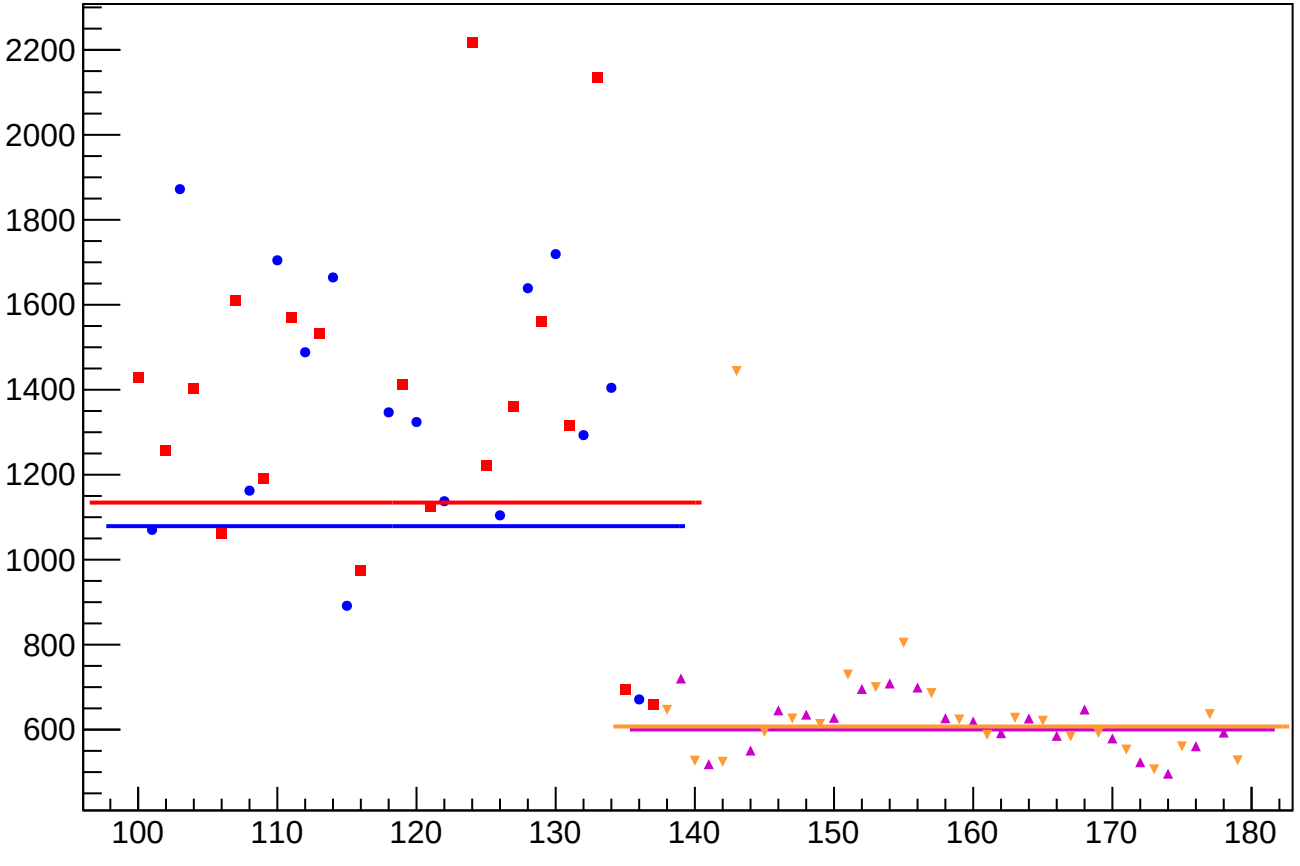
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -97.996+/-141.185 χ^2/NDF:43.8/35

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 212.847+/-99.423 χ^2/NDF: 139.8/76

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

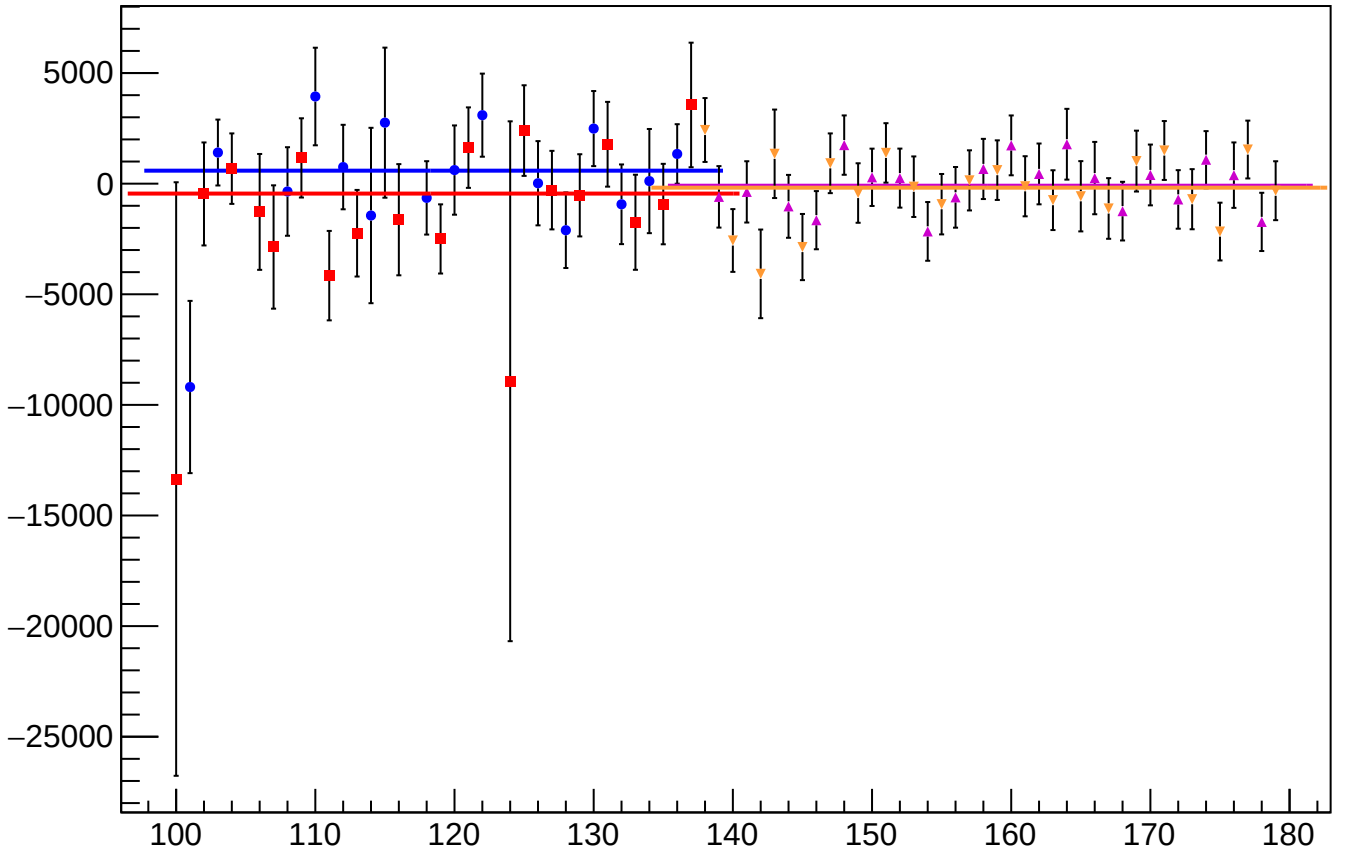
Left: 603.926+/-0.074 χ^2/NDF: 1312002.9/41

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -92.963+/-307.018 χ^2/NDF:13.9/19

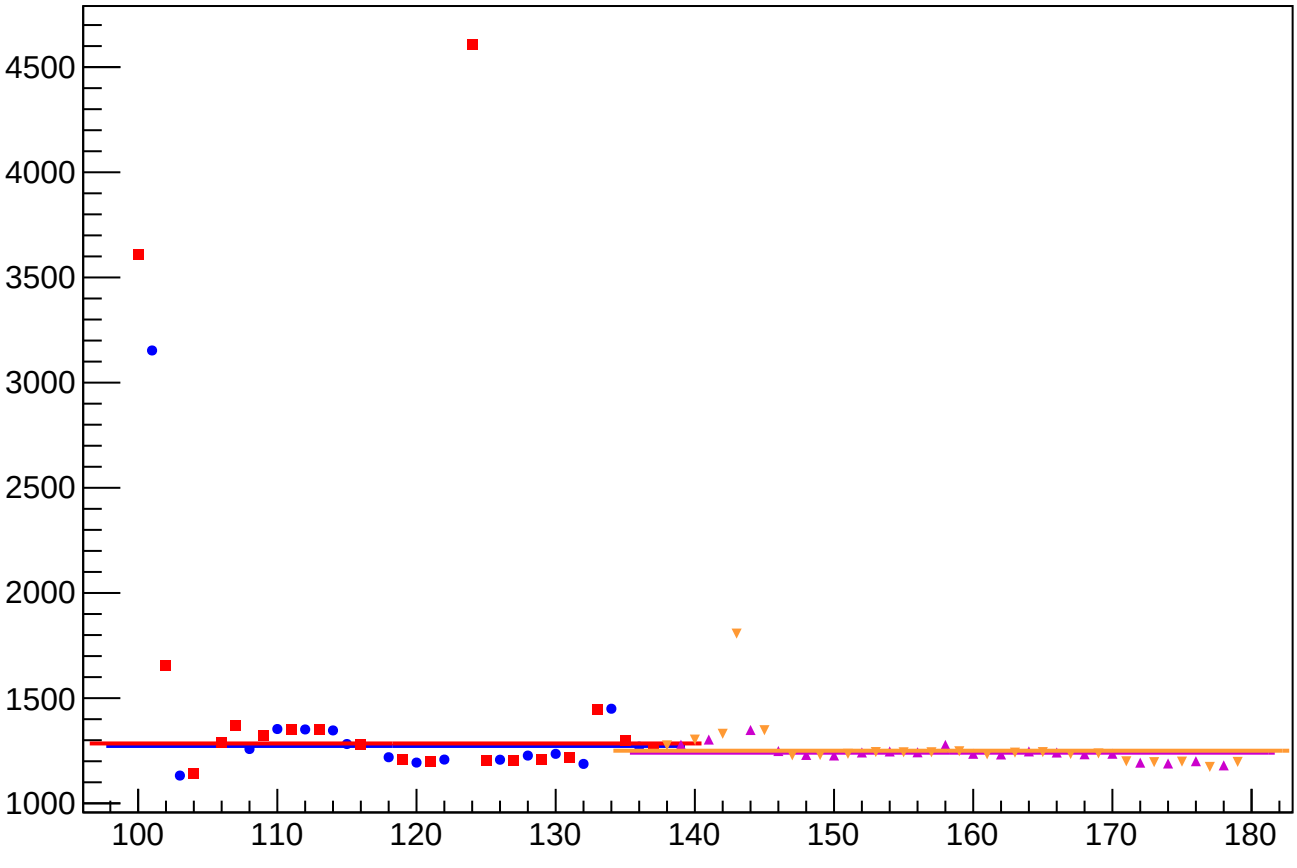
Left: -138.384+/-214.479 χ^2/NDF: 37.6/41

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -79.751+/-181.514 χ^2/NDF: 74.1/76



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

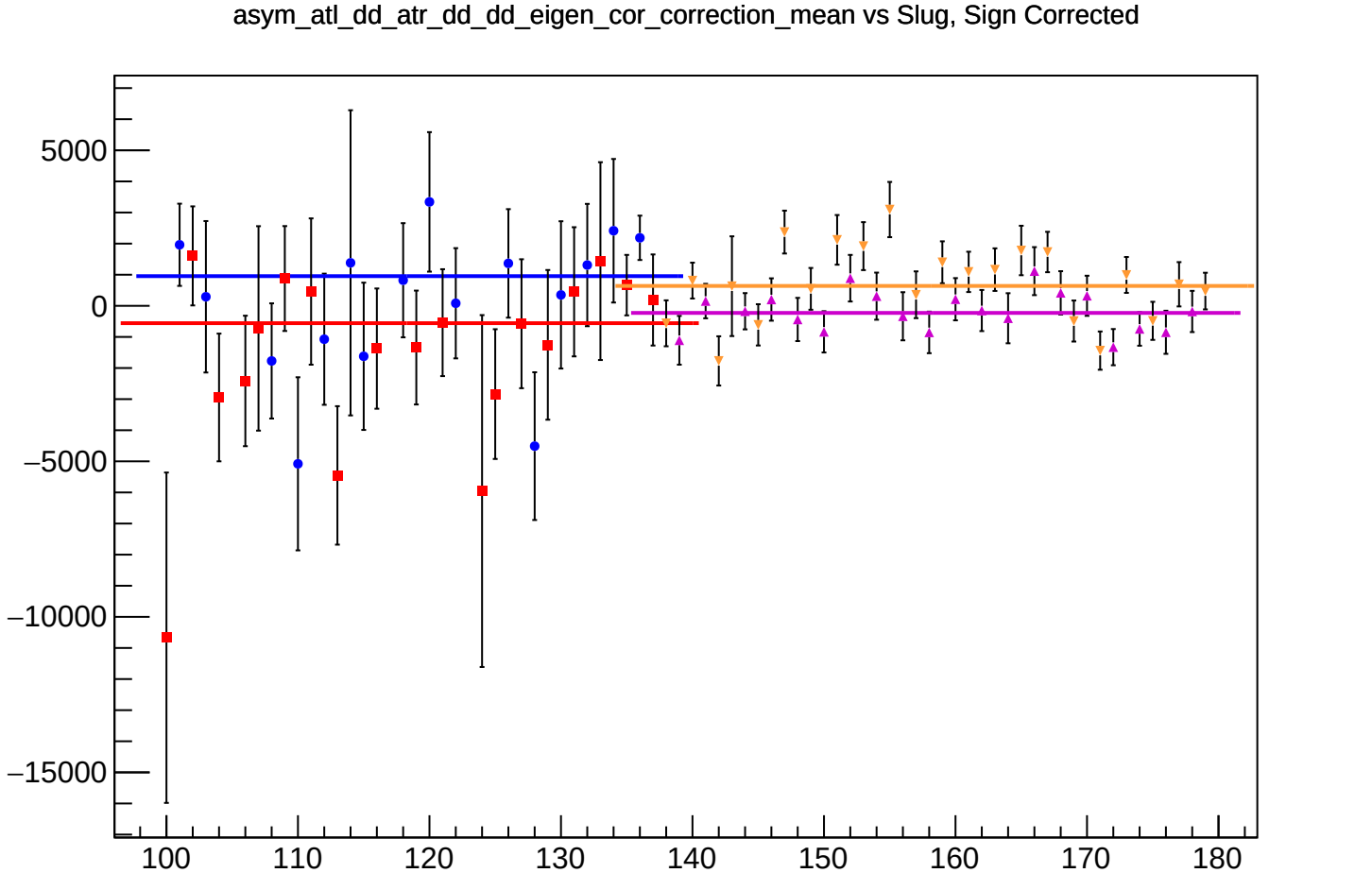
Left: 1245.522+/-0.152 χ^2/NDF: 223352.5/41

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -228.055+/-149.657 χ^2/NDF:17.1/19

Left: 211.480+/-105.119 χ^2/NDF: 95.4/41

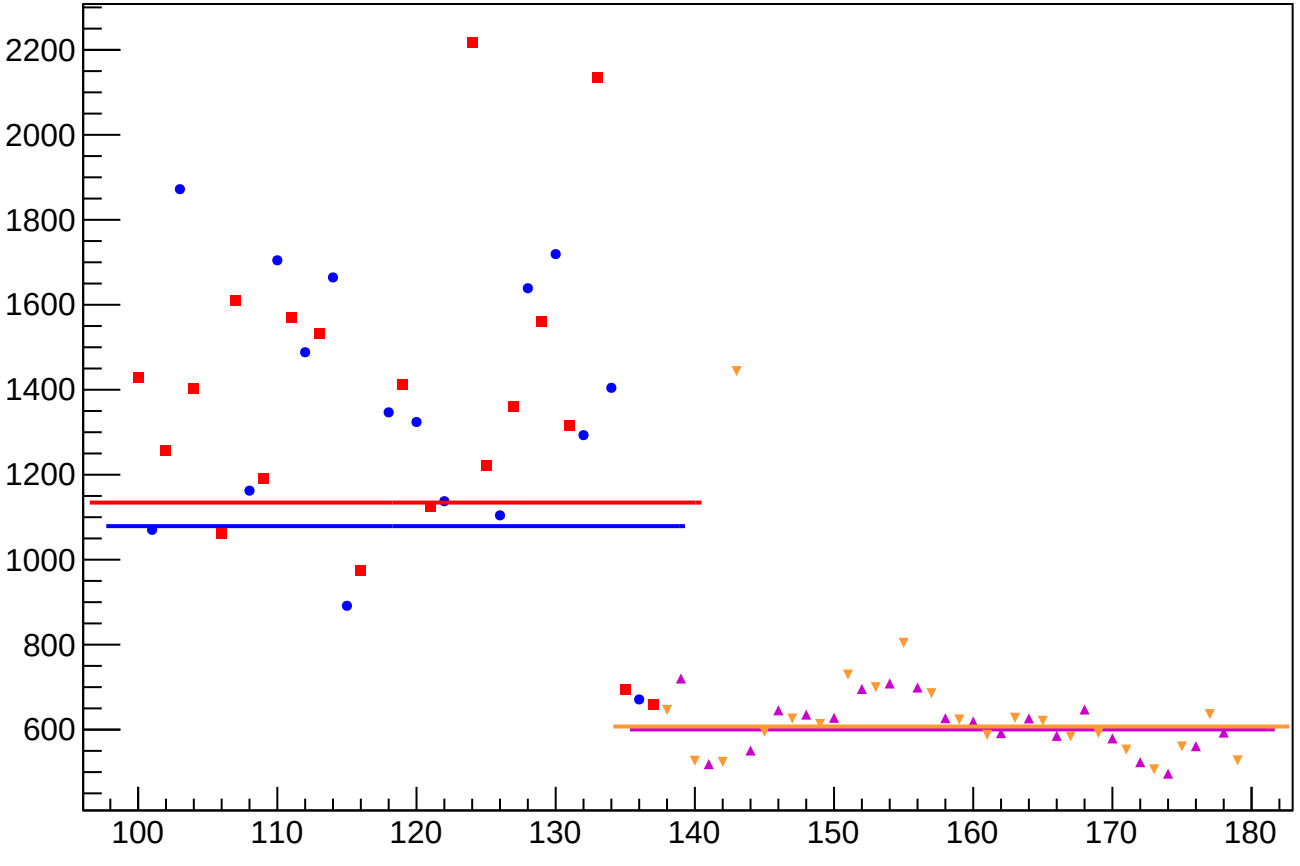
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -97.996+/-141.185 χ^2/NDF:43.8/35

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 212.847+/-99.423 χ^2/NDF: 139.8/76

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

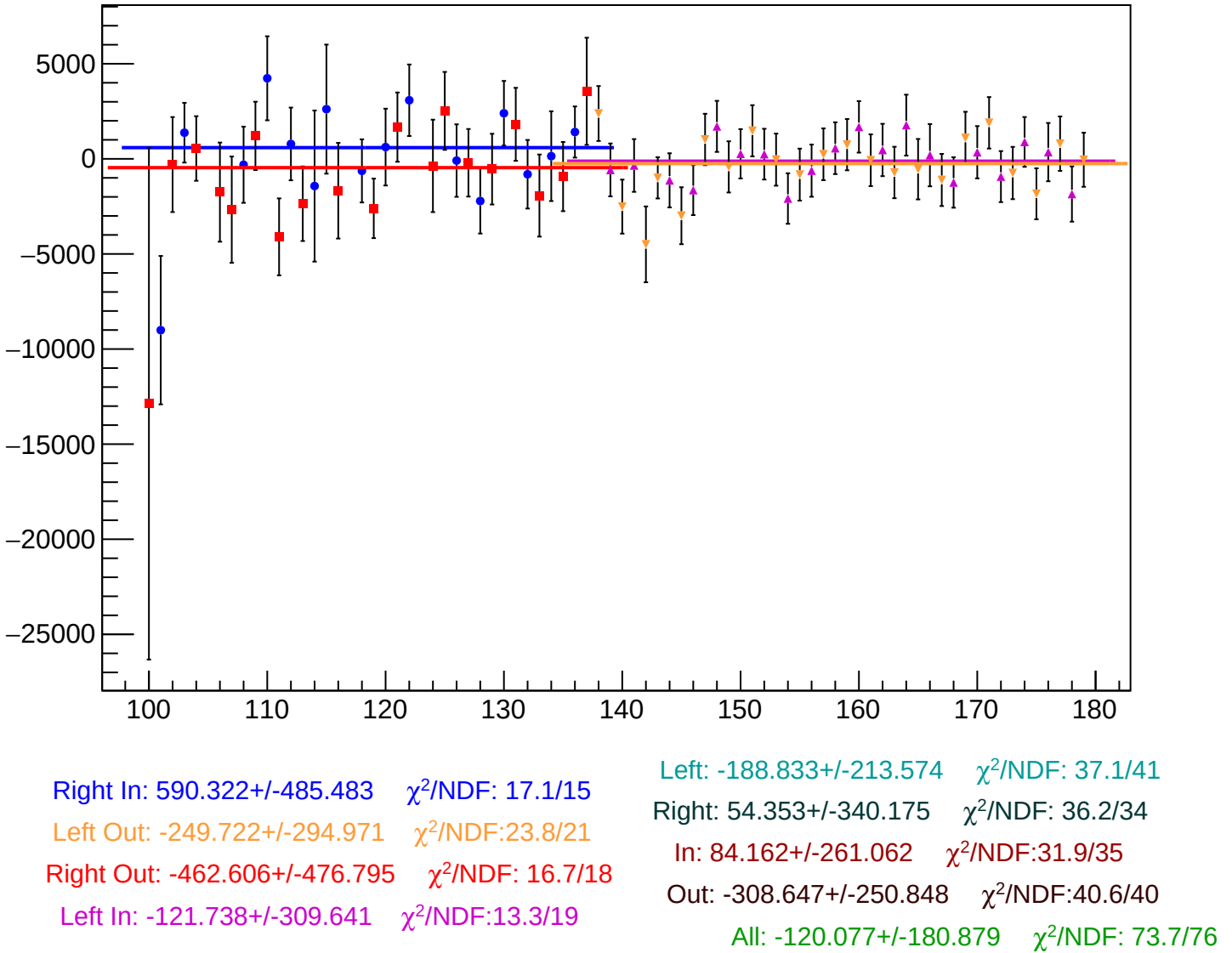
Left: 603.926+/-0.074 χ^2/NDF: 1312002.9/41

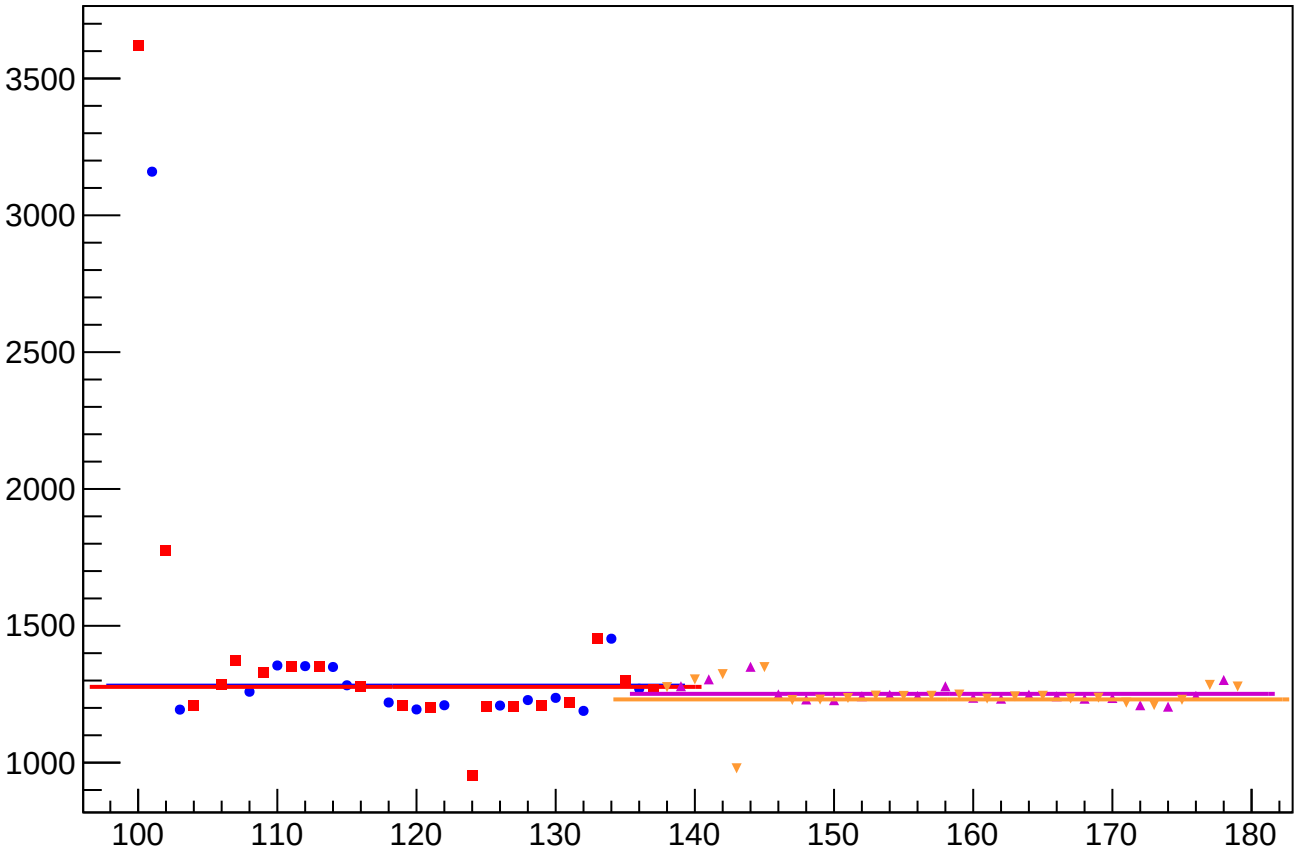
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -249.722+/-294.971 χ²/NDF:23.8/21
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -121.738+/-309.641 χ²/NDF:13.3/19
Left: -188.833+/-213.574 χ²/NDF: 37.1/41
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 84.162+/-261.062 χ²/NDF:31.9/35
Out: -308.647+/-250.848 χ²/NDF:40.6/40
All: -120.077+/-180.879 χ²/NDF: 73.7/76



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138658.1/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.4/19

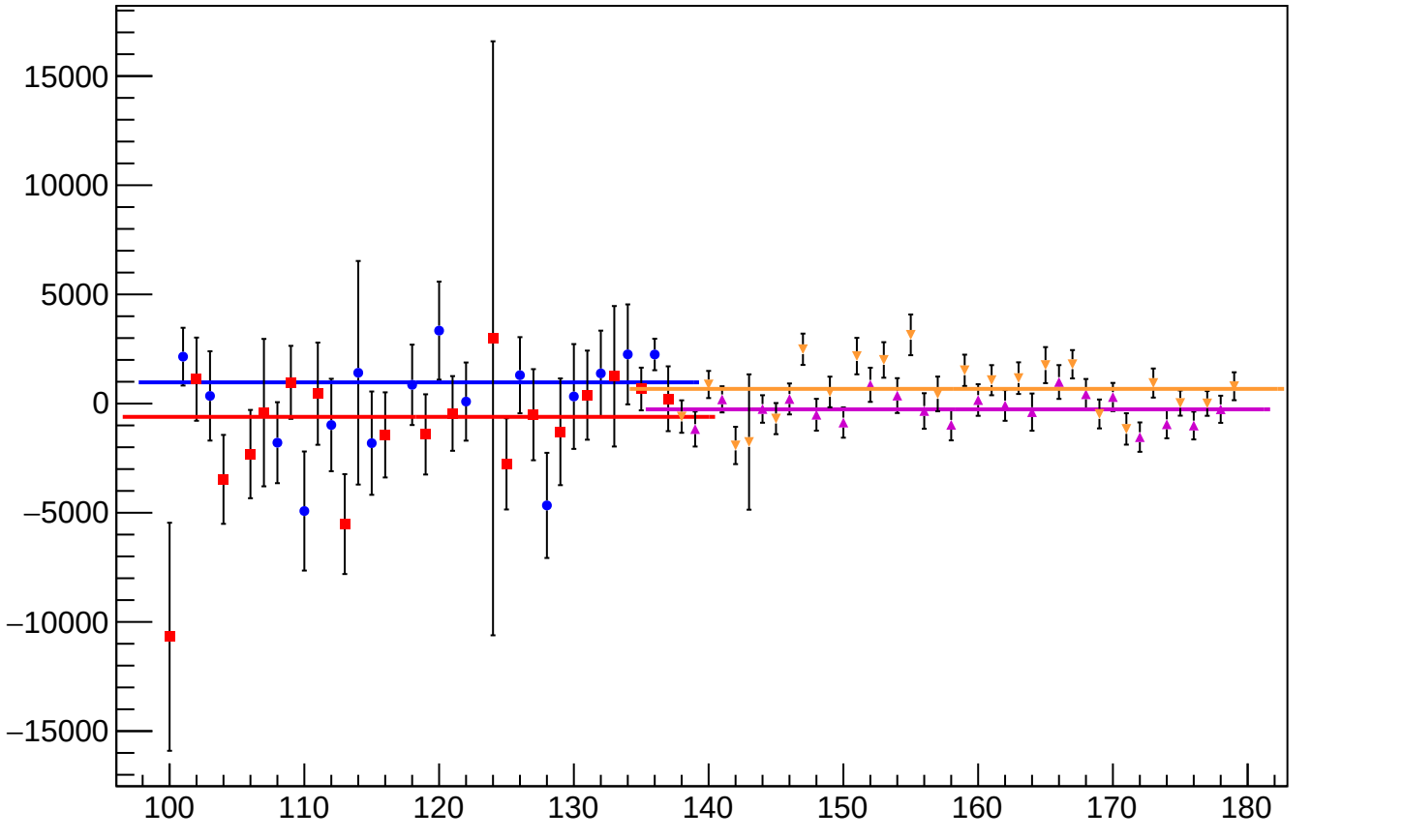
Left: 1240.729+/-0.151 χ^2/NDF: 166809.5/41

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.8/35

Out: 1243.744+/-0.177 χ^2/NDF:372512.3/40

All: 1251.571+/-0.128 χ^2/NDF: 912716.3/76



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -263.517+/-156.871 χ^2/NDF:17.7/19

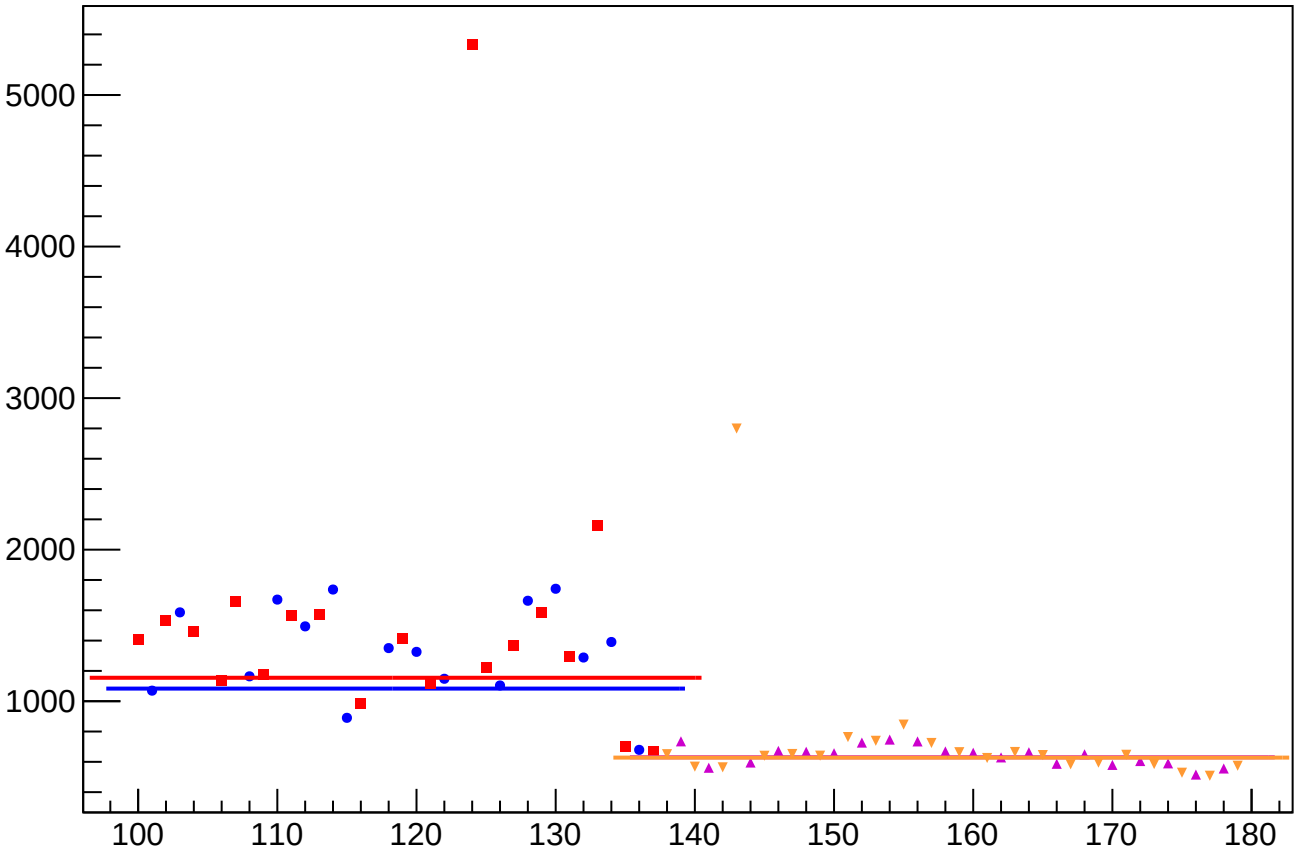
Left: 214.327+/-109.791 χ^2/NDF: 91.2/41

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -115.472+/-147.175 χ^2/NDF:45.6/35

Out: 538.002+/-145.384 χ^2/NDF:79.7/40

All: 215.266+/-103.430 χ^2/NDF: 135.3/76



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443082.4/21

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 629.938+/-0.111 χ^2/NDF:324416.8/19

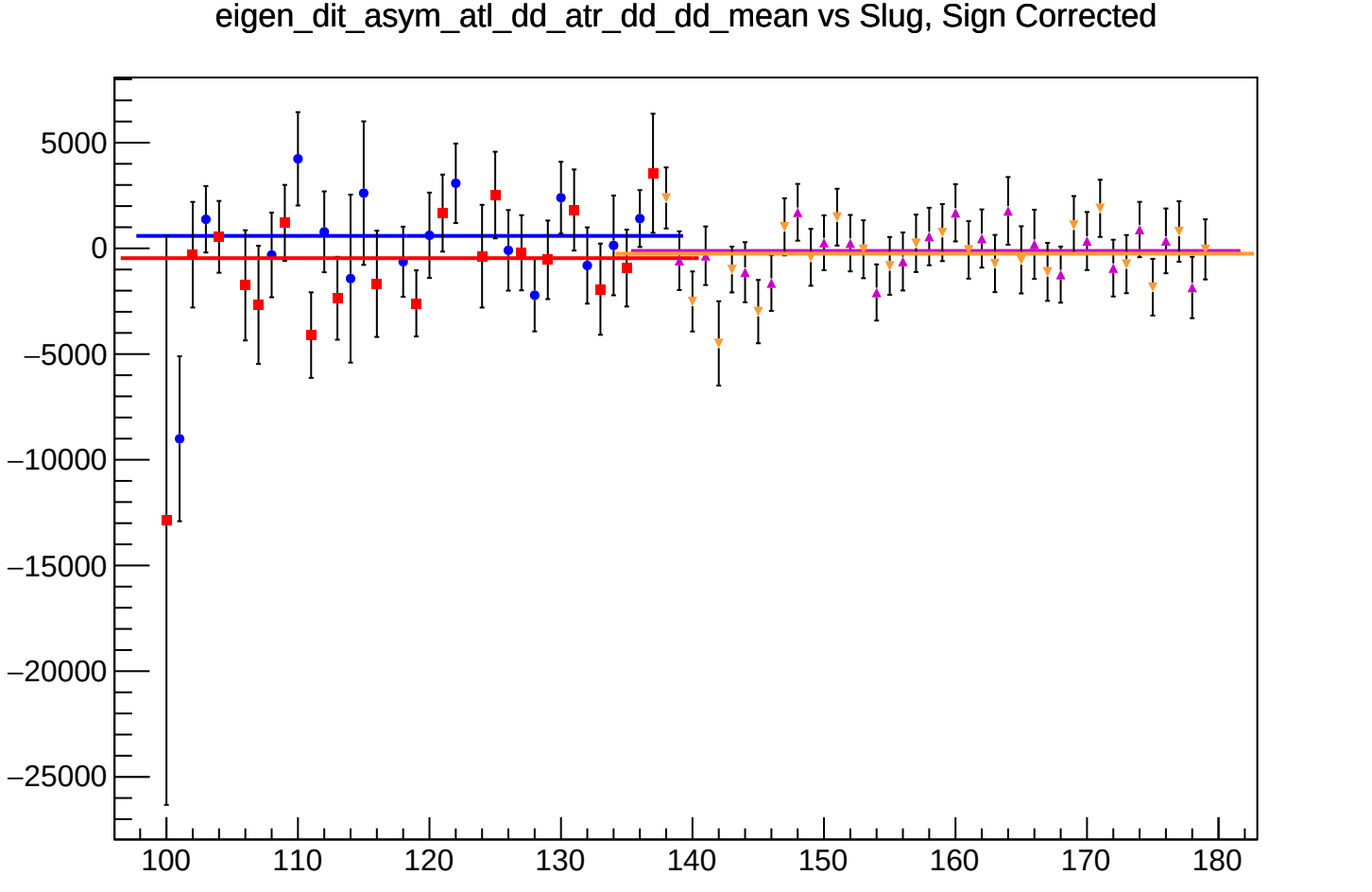
Left: 628.902+/-0.078 χ^2/NDF: 1767670.3/41

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 684.254+/-0.104 χ^2/NDF:3686018.4/35

Out: 683.453+/-0.103 χ^2/NDF:5408357.6/40

All: 683.848+/-0.073 χ^2/NDF: 9094406.0/76



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -249.724+/-294.971 χ^2/NDF:23.8/21

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -121.737+/-309.641 χ^2/NDF:13.3/19

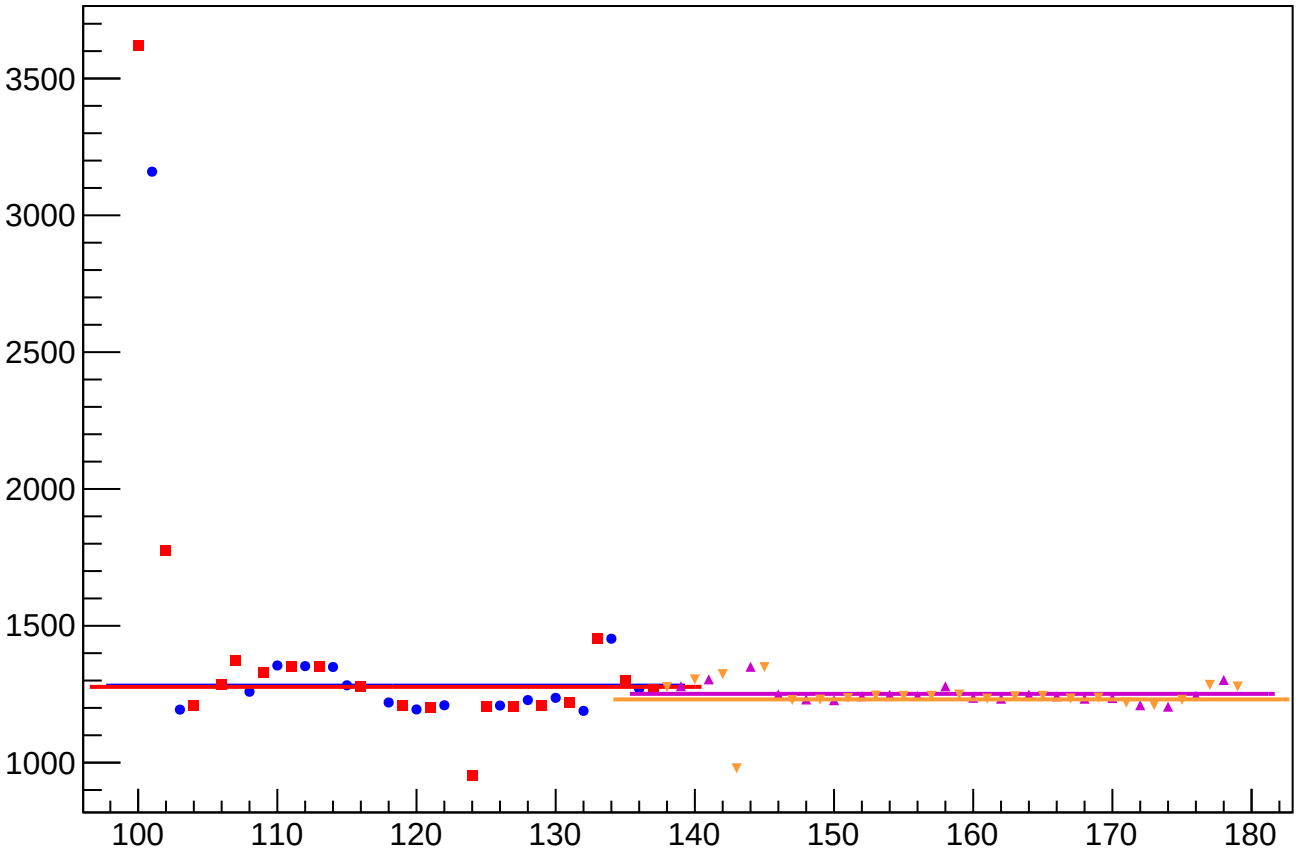
Left: -188.834+/-213.574 χ^2/NDF: 37.1/41

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 84.163+/-261.062 χ^2/NDF:31.9/35

Out: -308.648+/-250.848 χ^2/NDF:40.6/40

All: -120.077+/-180.879 χ^2/NDF: 73.7/76



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138657.2/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.3/19

Left: 1240.729+/-0.151 χ^2/NDF: 166808.5/41

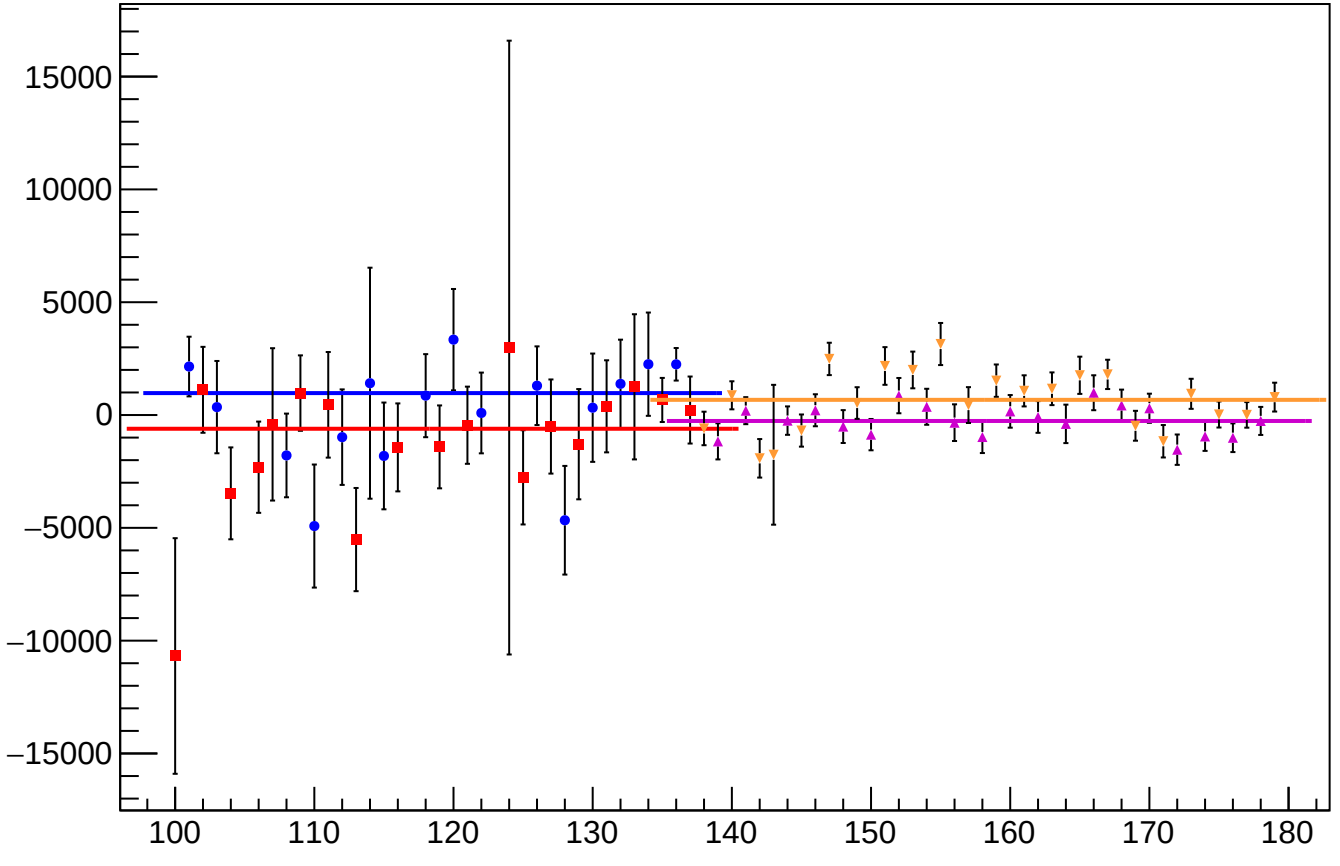
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.9/35

Out: 1243.744+/-0.177 χ^2/NDF:372511.3/40

All: 1251.570+/-0.128 χ^2/NDF: 912715.3/76

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -263.516+/-156.871 χ^2/NDF:17.7/19

Left: 214.327+/-109.791 χ^2/NDF: 91.2/41

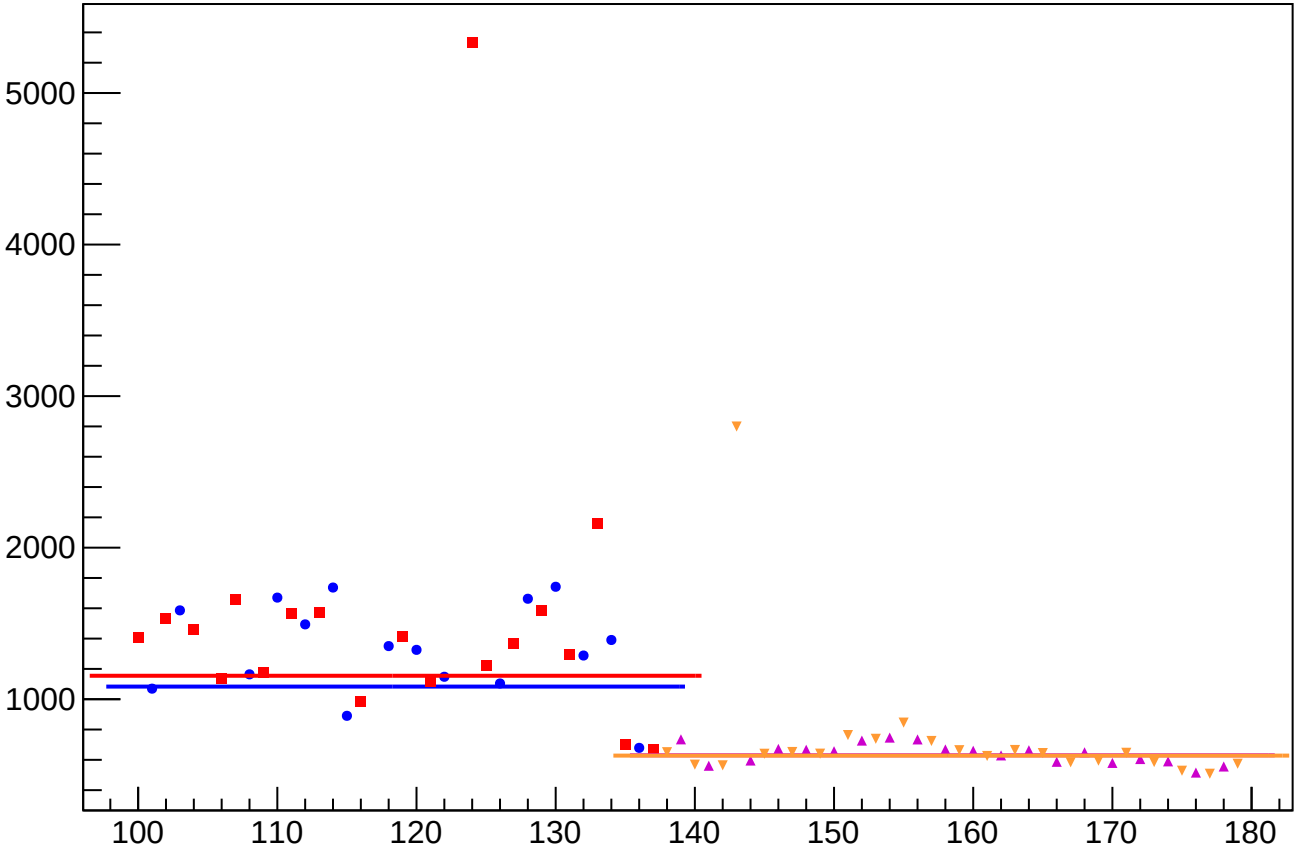
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -115.473+/-147.175 χ^2/NDF:45.6/35

Out: 538.003+/-145.384 χ^2/NDF:79.7/40

All: 215.265+/-103.429 χ^2/NDF: 135.3/76

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 629.938+/-0.111 χ^2/NDF:324421.7/19

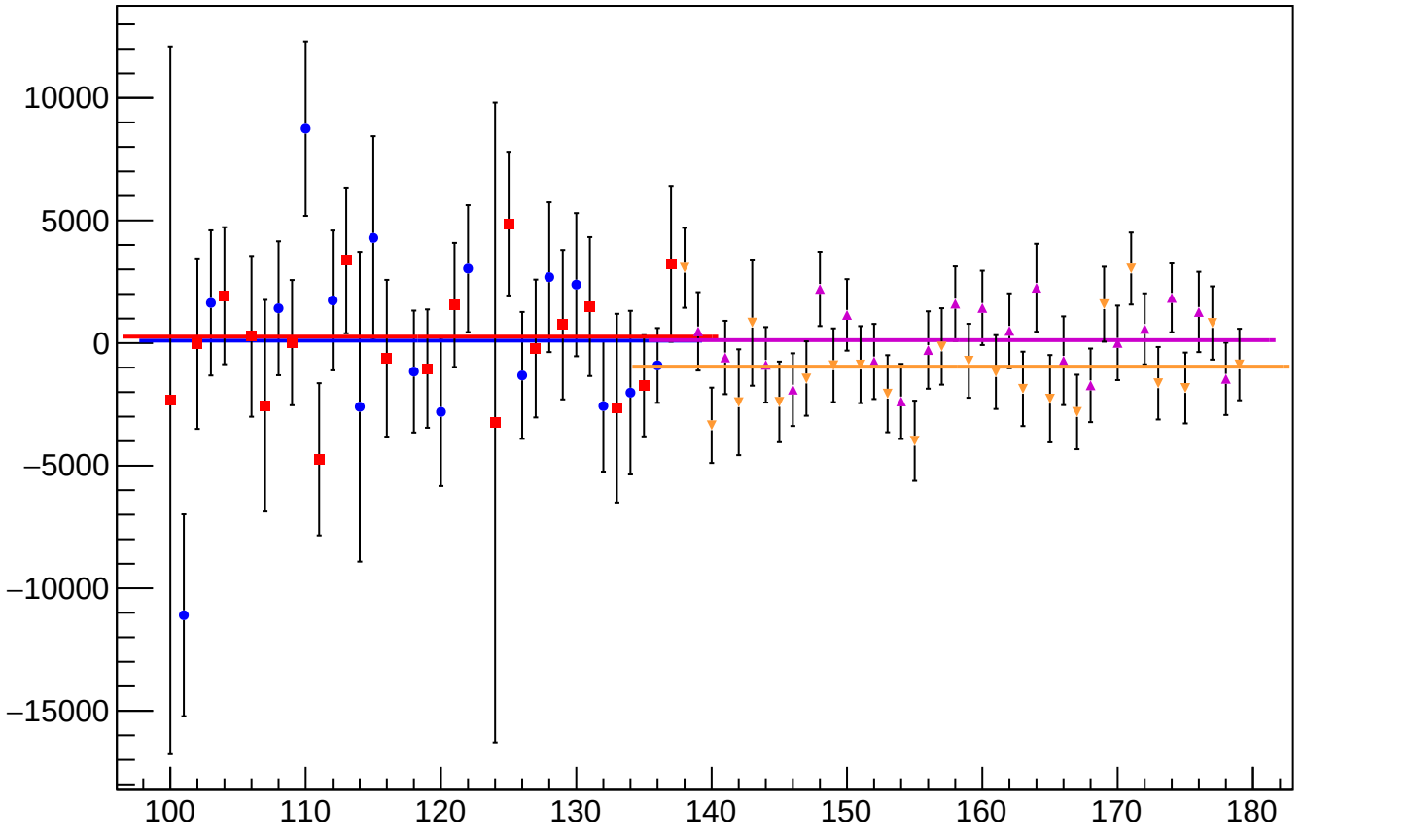
Left: 628.901+/-0.078 χ^2/NDF: 1767674.0/41

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 684.253+/-0.104 χ^2/NDF:3686016.3/35

Out: 683.453+/-0.103 χ^2/NDF:5408356.2/40

All: 683.848+/-0.073 χ^2/NDF: 9094402.4/76



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 119.804+/-343.188 χ^2/NDF:16.2/19

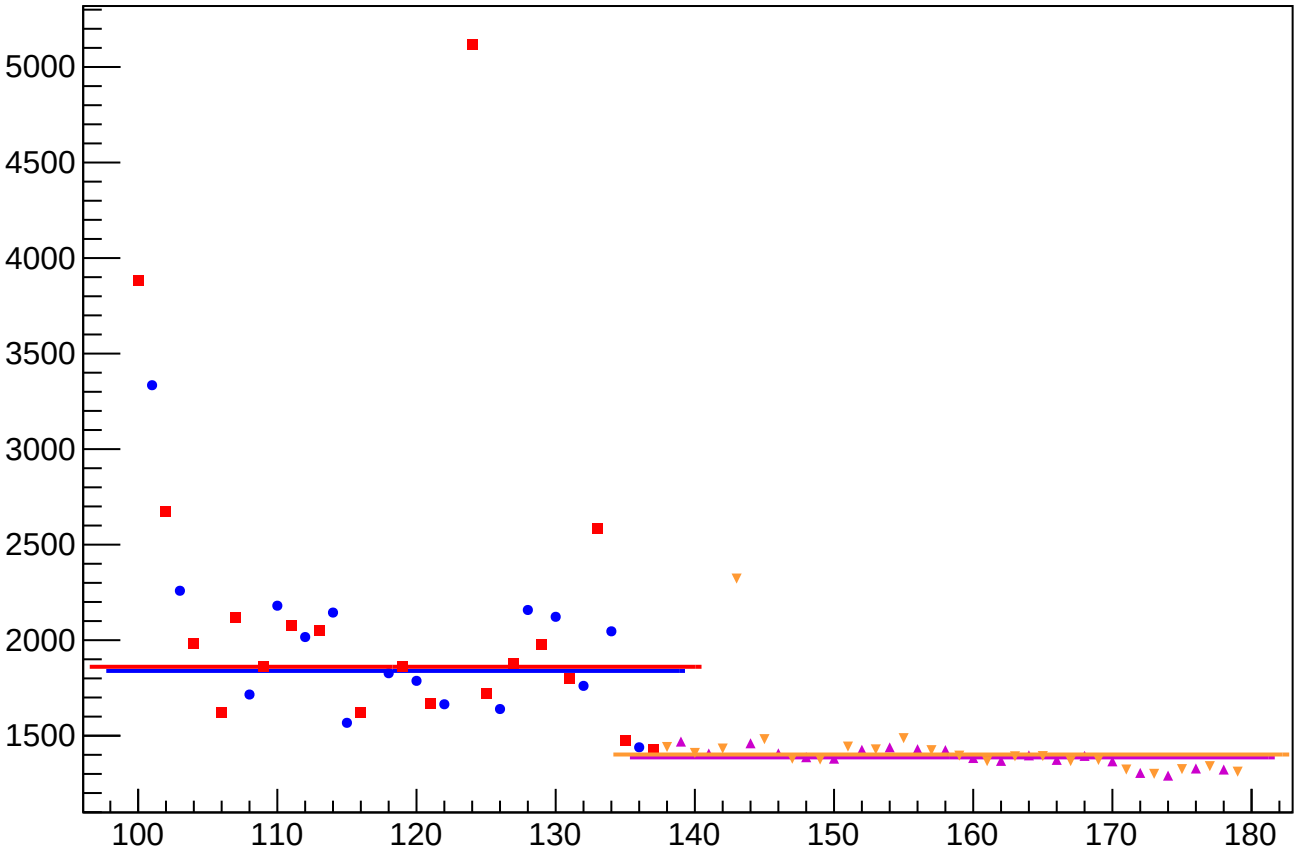
Left: -431.408+/-240.331 χ^2/NDF: 50.4/41

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 116.045+/-308.060 χ^2/NDF:37.5/35

Out: -731.668+/-303.376 χ^2/NDF:42.0/40

All: -314.305+/-216.156 χ^2/NDF: 83.3/76



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1401.617+/-0.238 χ^2/NDF:306291.0/21

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1386.544+/-0.243 χ^2/NDF:39873.0/19

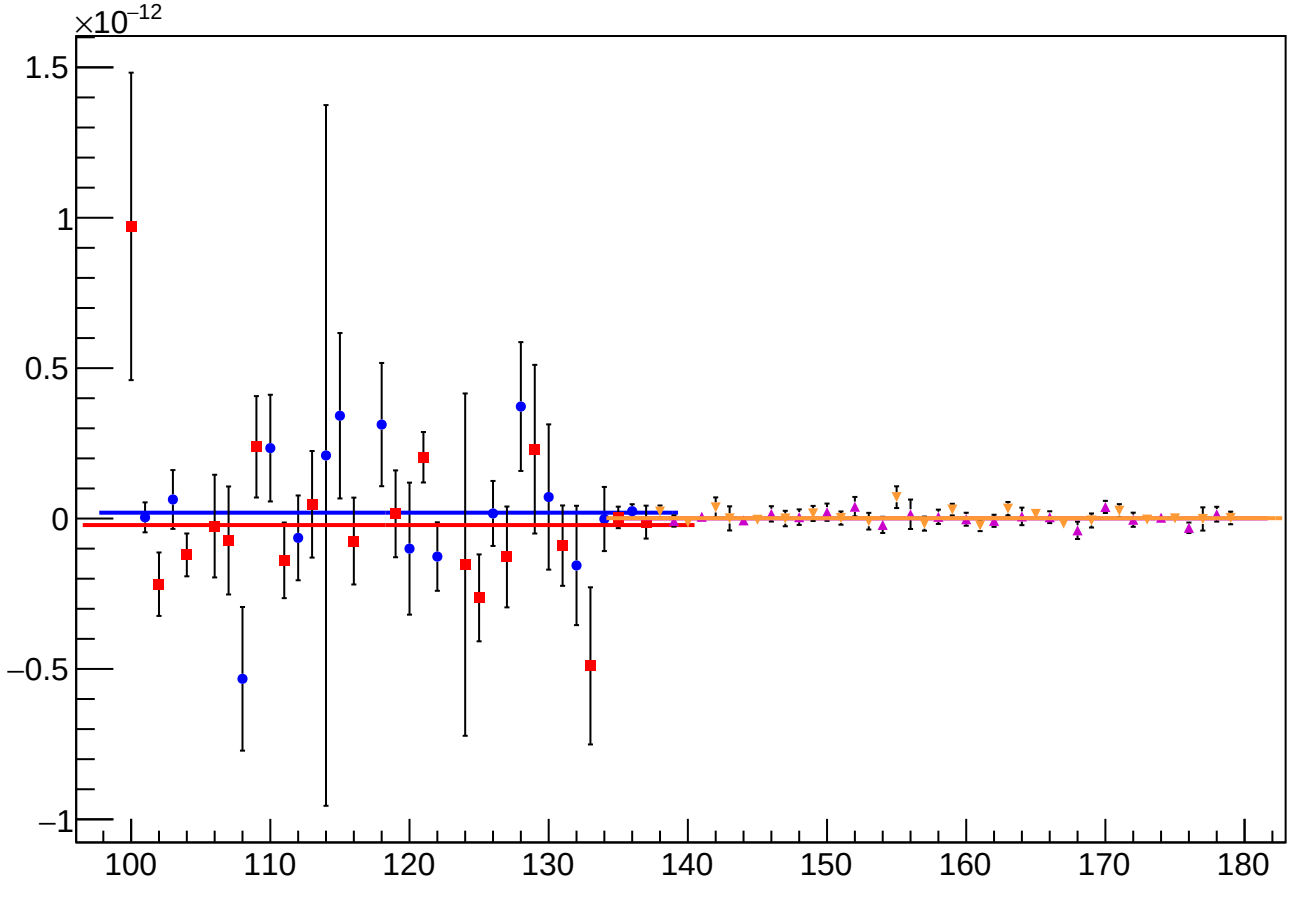
Left: 1394.225+/-0.170 χ^2/NDF: 348130.0/41

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1474.451+/-0.218 χ^2/NDF:1272173.2/35

Out: 1487.927+/-0.215 χ^2/NDF:1527660.0/40

All: 1481.292+/-0.153 χ^2/NDF: 2801776.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/19

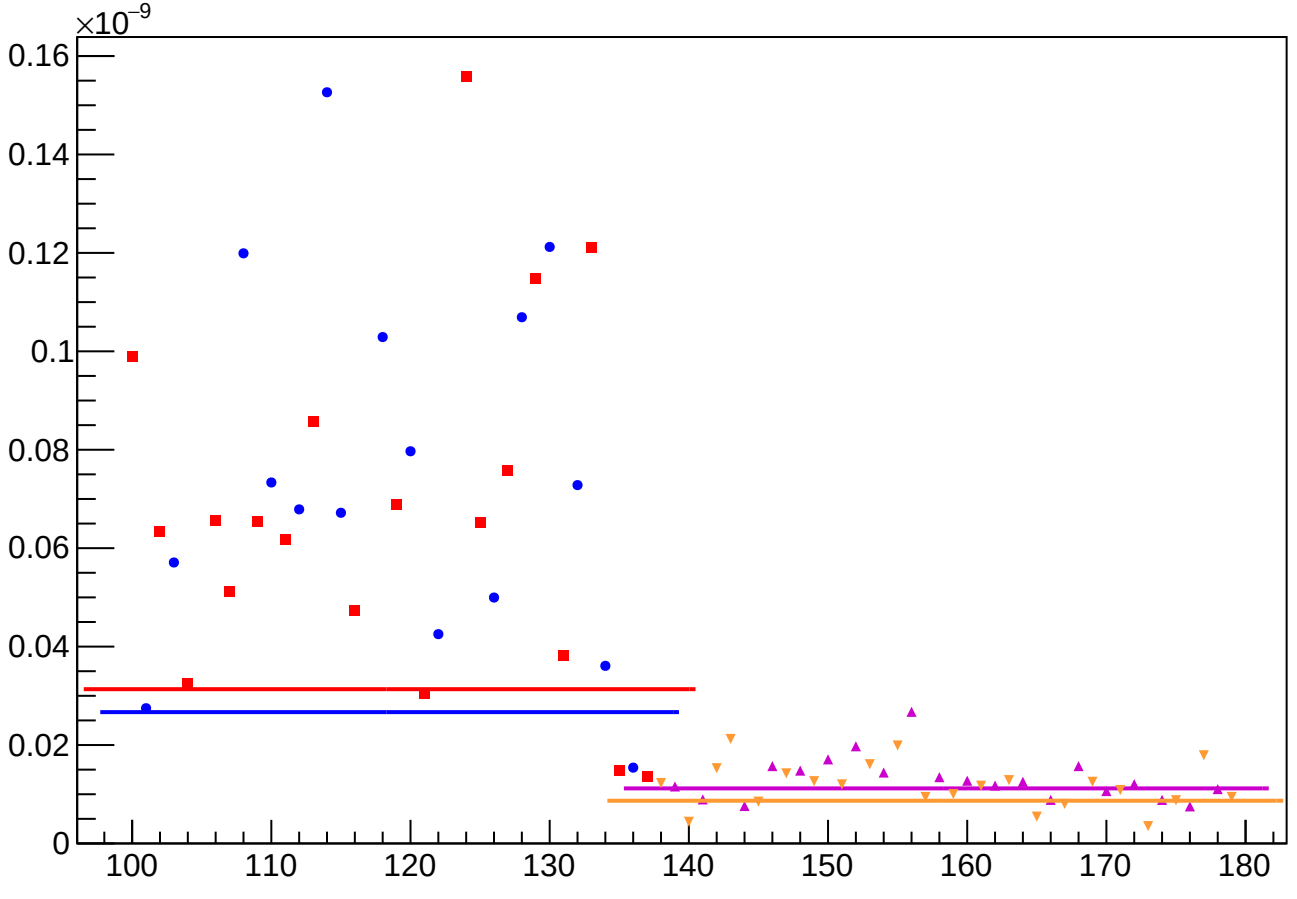
Left: 0.000+/-0.000 χ^2/NDF: 31.7/41

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.4/35

Out: 0.000+/-0.000 χ^2/NDF:47.9/40

All: 0.000+/-0.000 χ^2/NDF: 78.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2116927.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988305.0/19

Left: 0.000+/-0.000 χ^2/NDF: 3430693.9/41

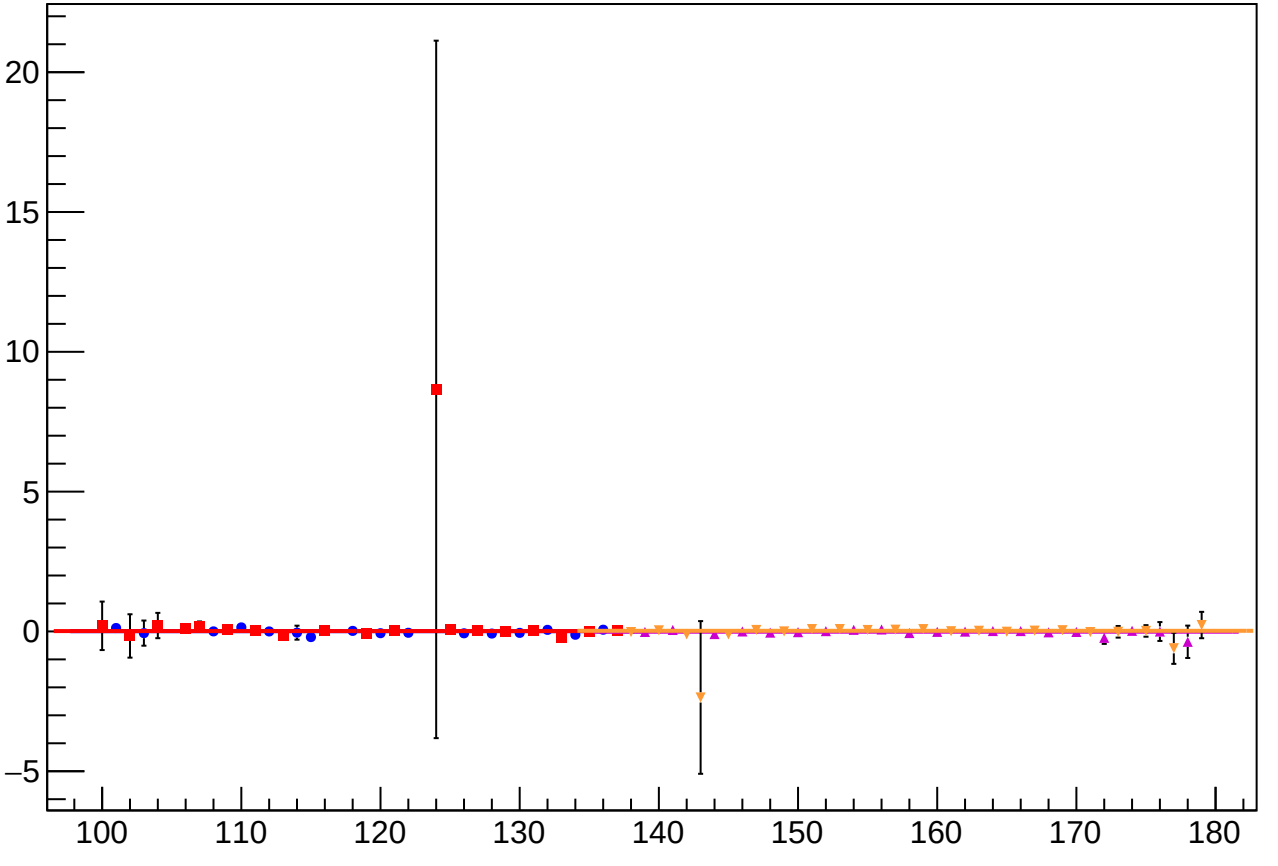
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4844632.9/35

Out: 0.000+/-0.000 χ^2/NDF:6395833.1/40

All: 0.000+/-0.000 χ^2/NDF: 11654885.5/76

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

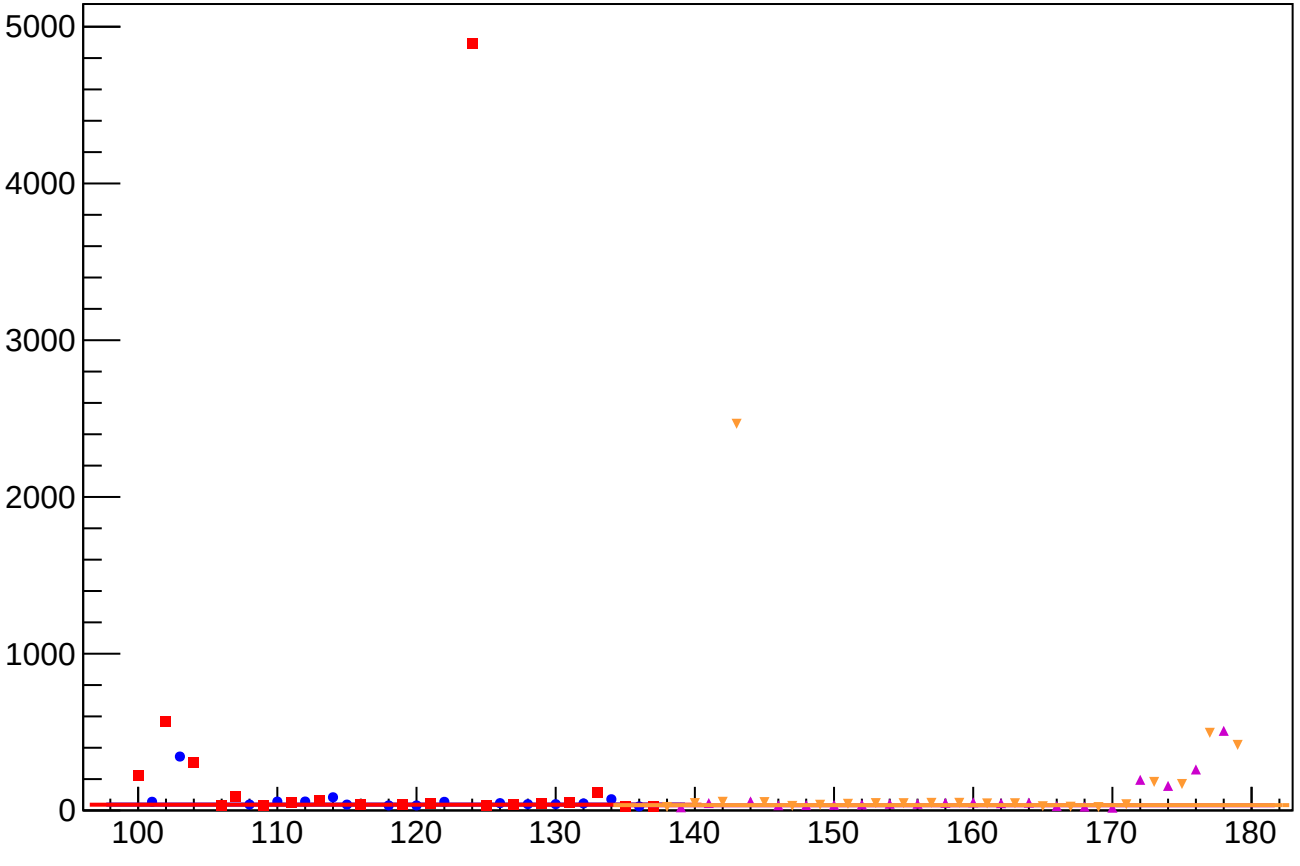
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

Left: 33.467+/-0.005 χ^2/NDF: 15641848.0/41

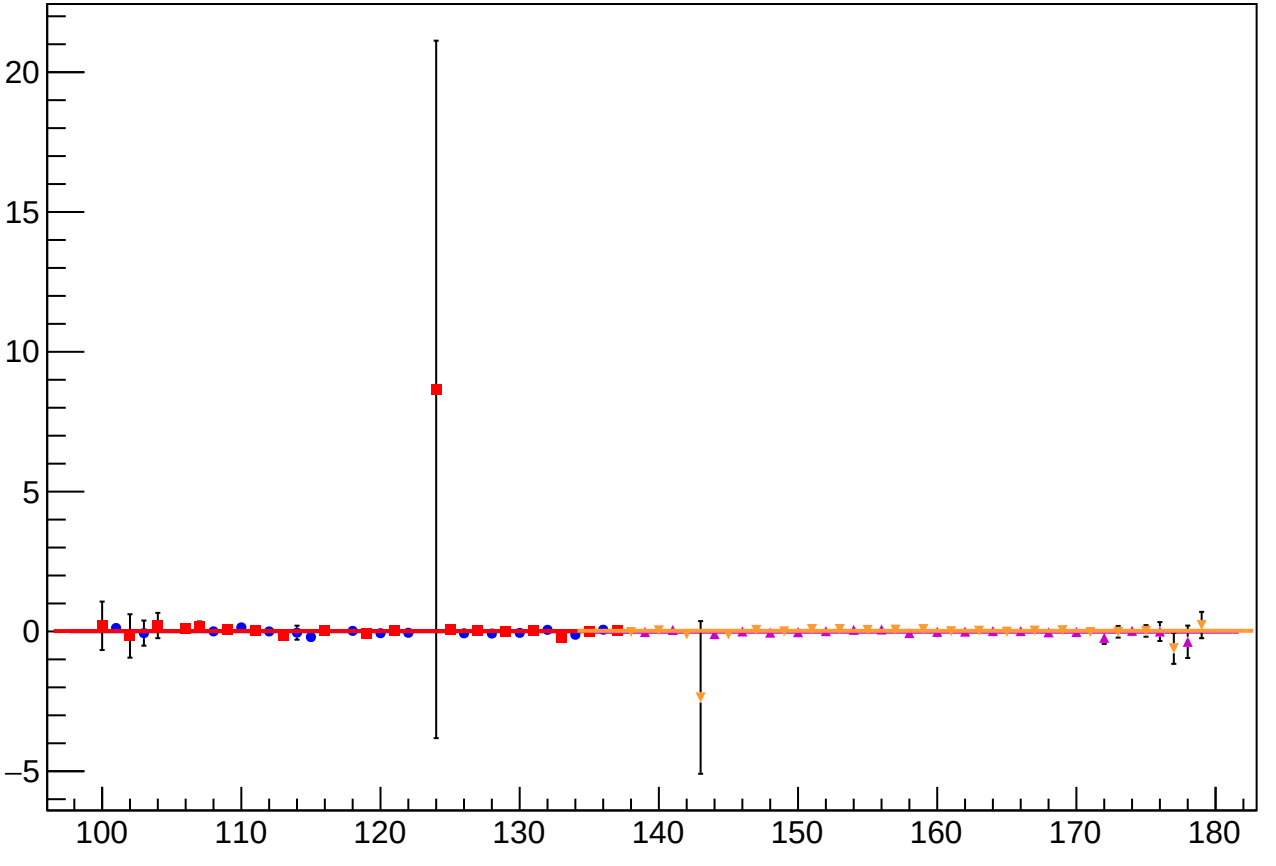
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

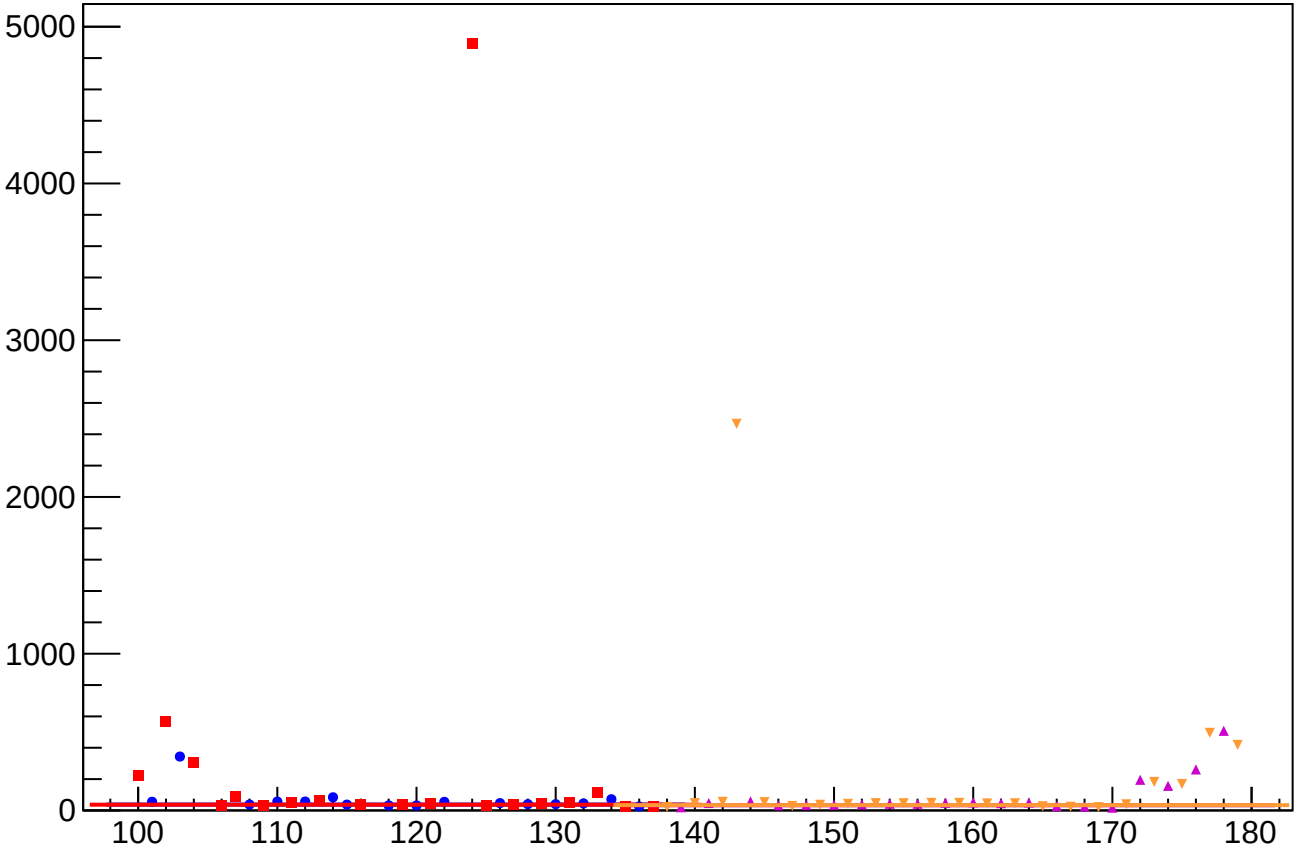
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

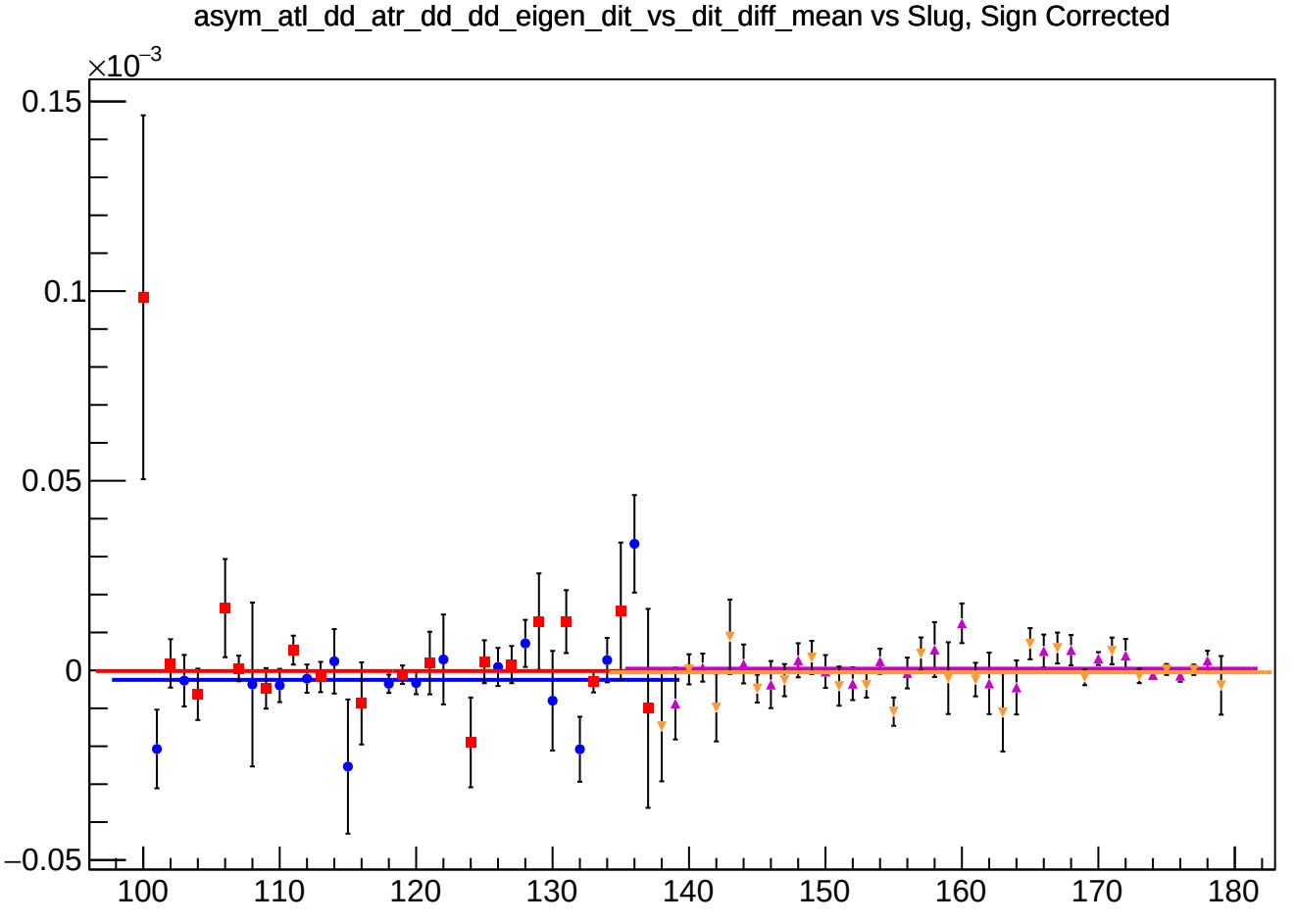
Left: 33.467+/-0.005 χ^2/NDF: 15641848.0/41

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/19

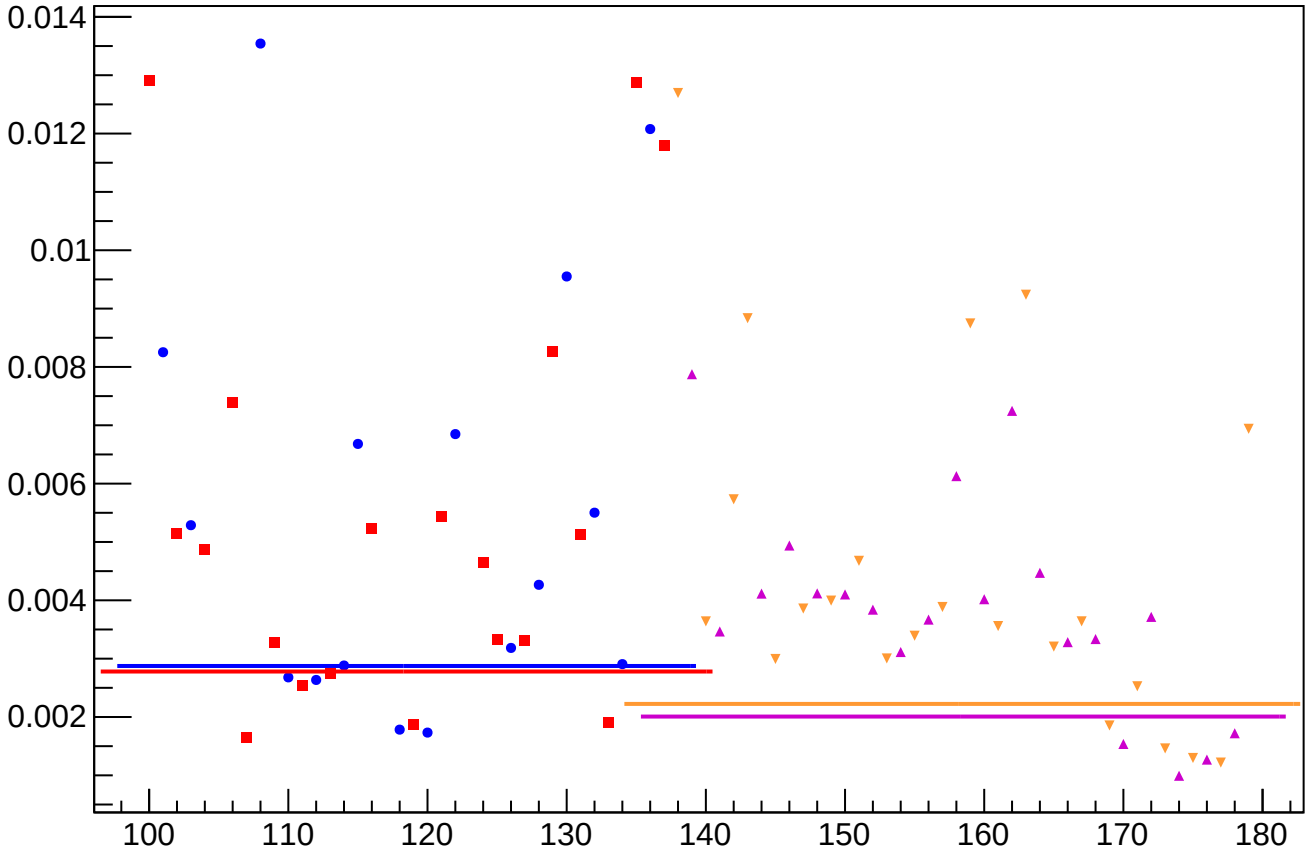
Left: -0.000+/-0.000 χ^2/NDF: 47.7/41

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:45.5/35

Out: -0.000+/-0.000 χ^2/NDF:46.0/40

All: -0.000+/-0.000 χ^2/NDF: 91.7/76



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9758639.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8778357.6/19

Left: 0.002+/-0.000 χ^2/NDF: 18649658.3/41

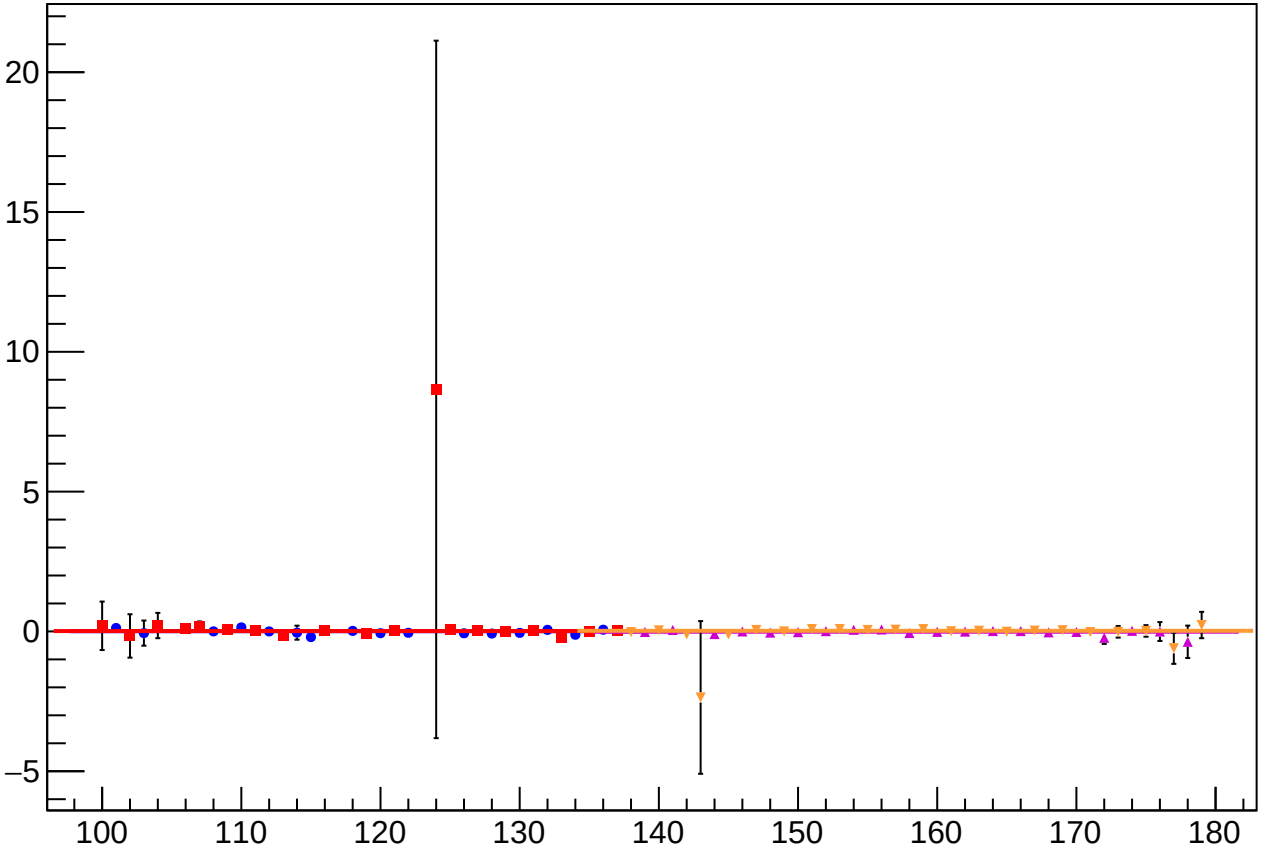
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13642992.2/35

Out: 0.002+/-0.000 χ^2/NDF:13411947.4/40

All: 0.002+/-0.000 χ^2/NDF: 27154661.6/76

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

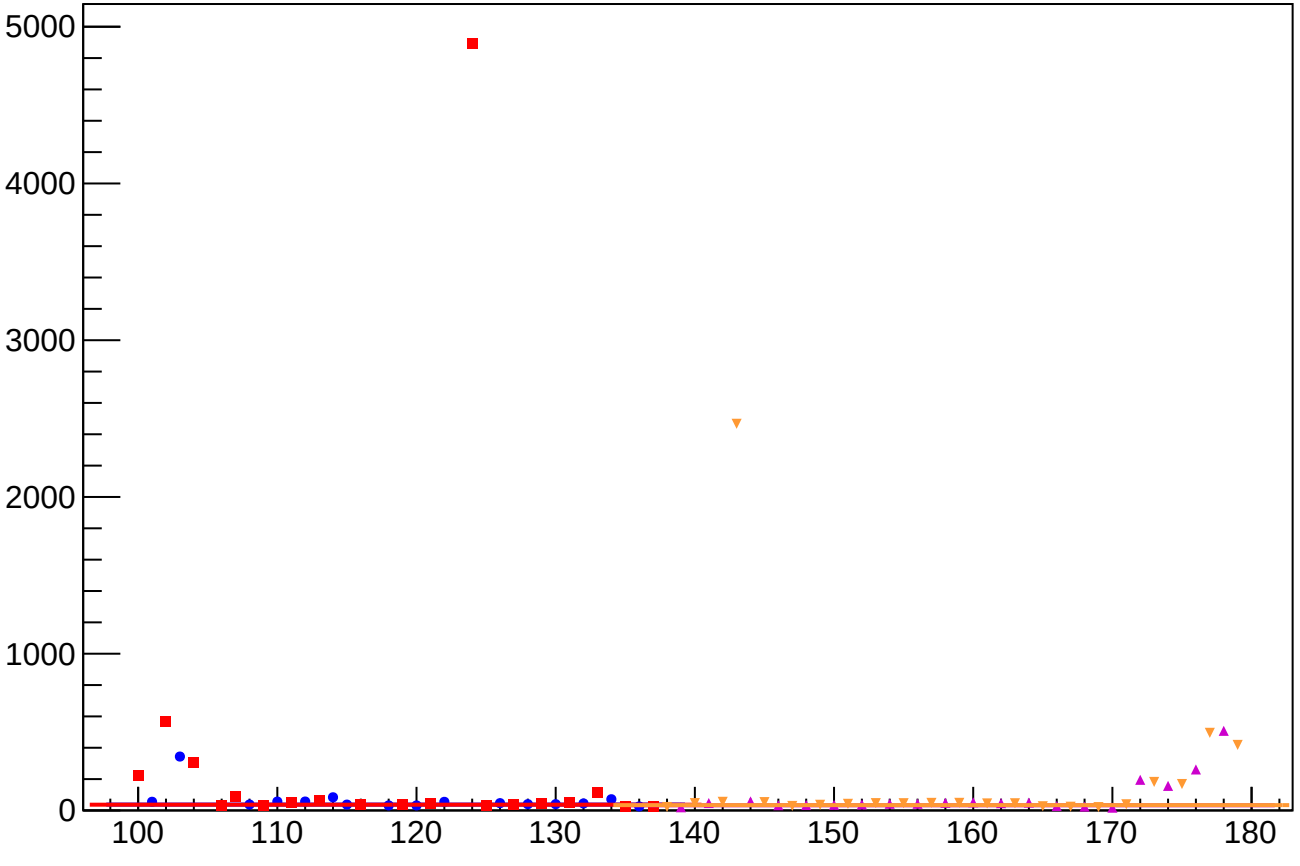
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

Left: 33.467+/-0.005 χ^2/NDF: 15640662.9/41

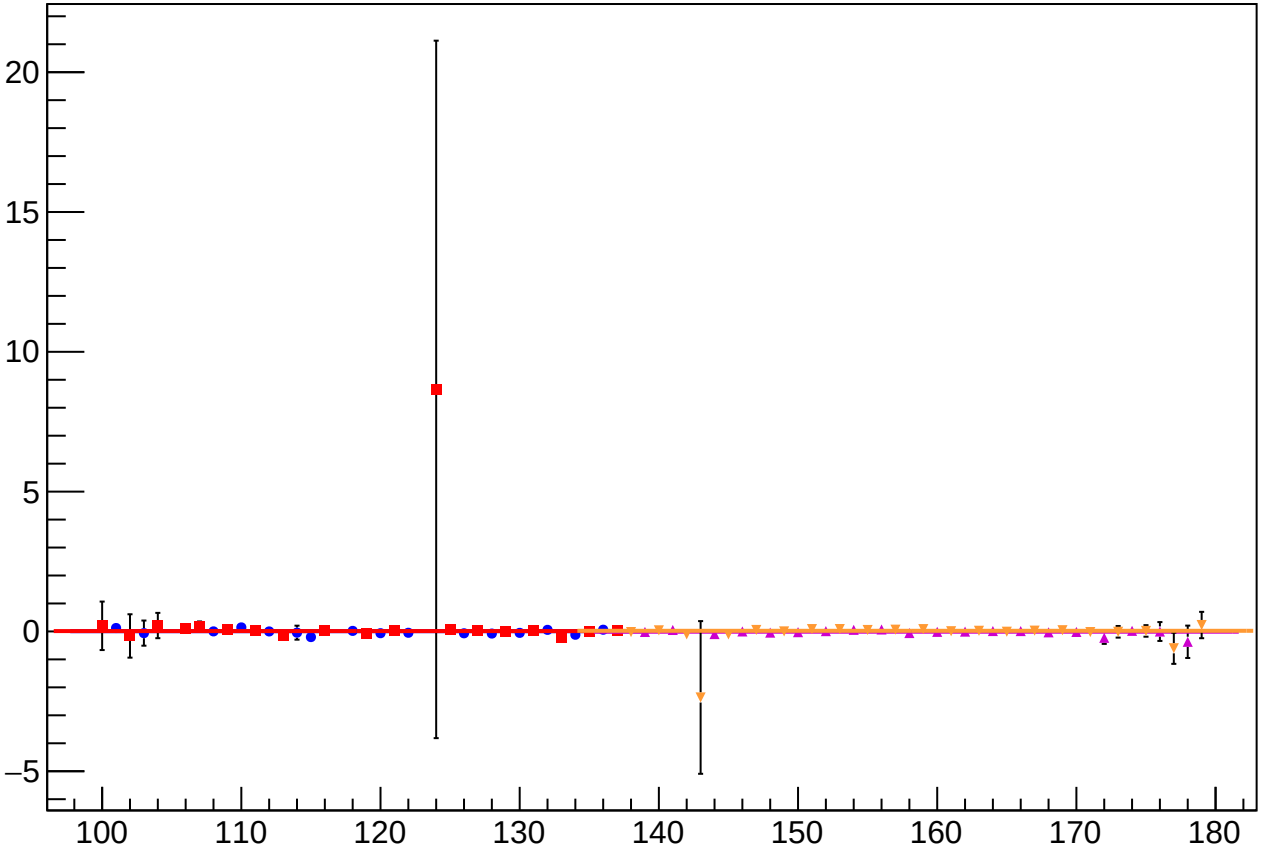
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

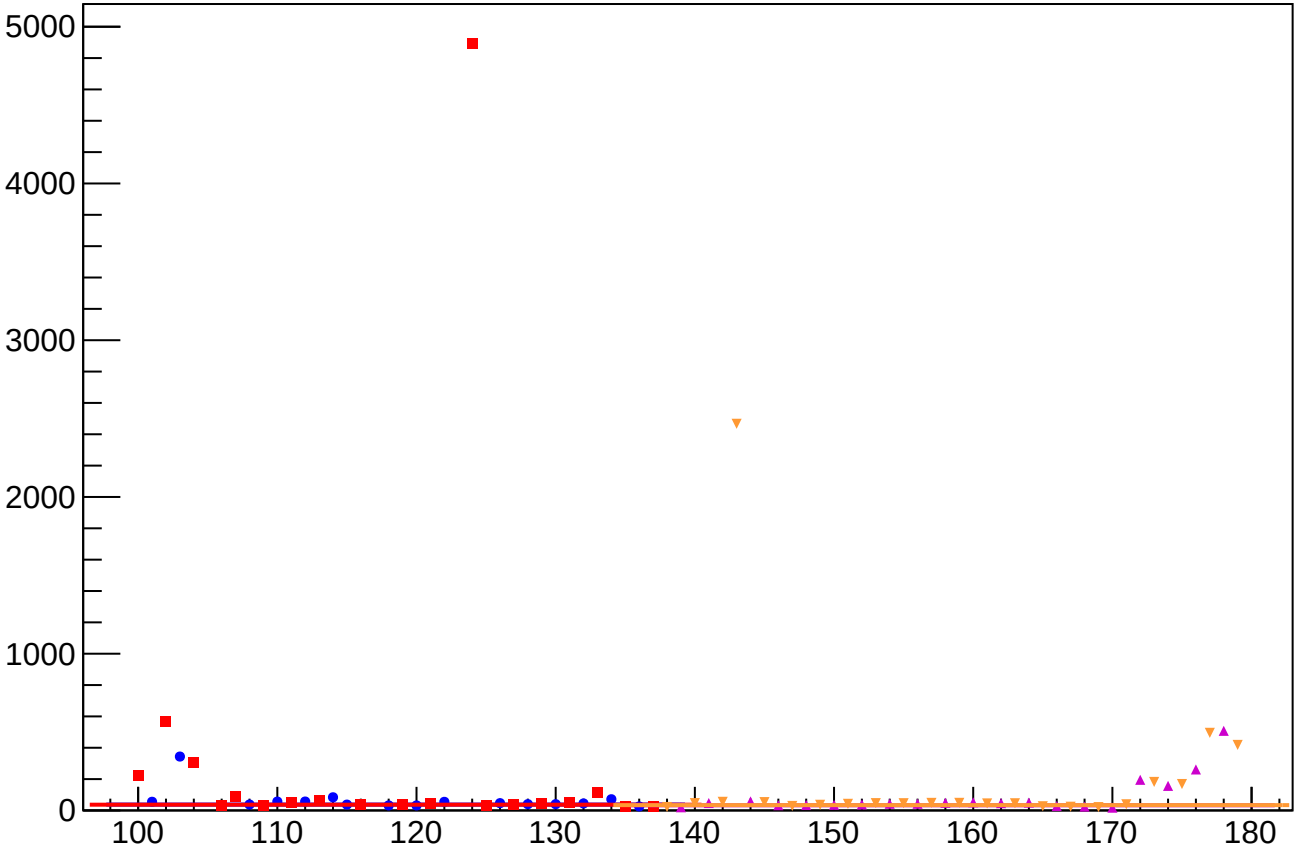
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

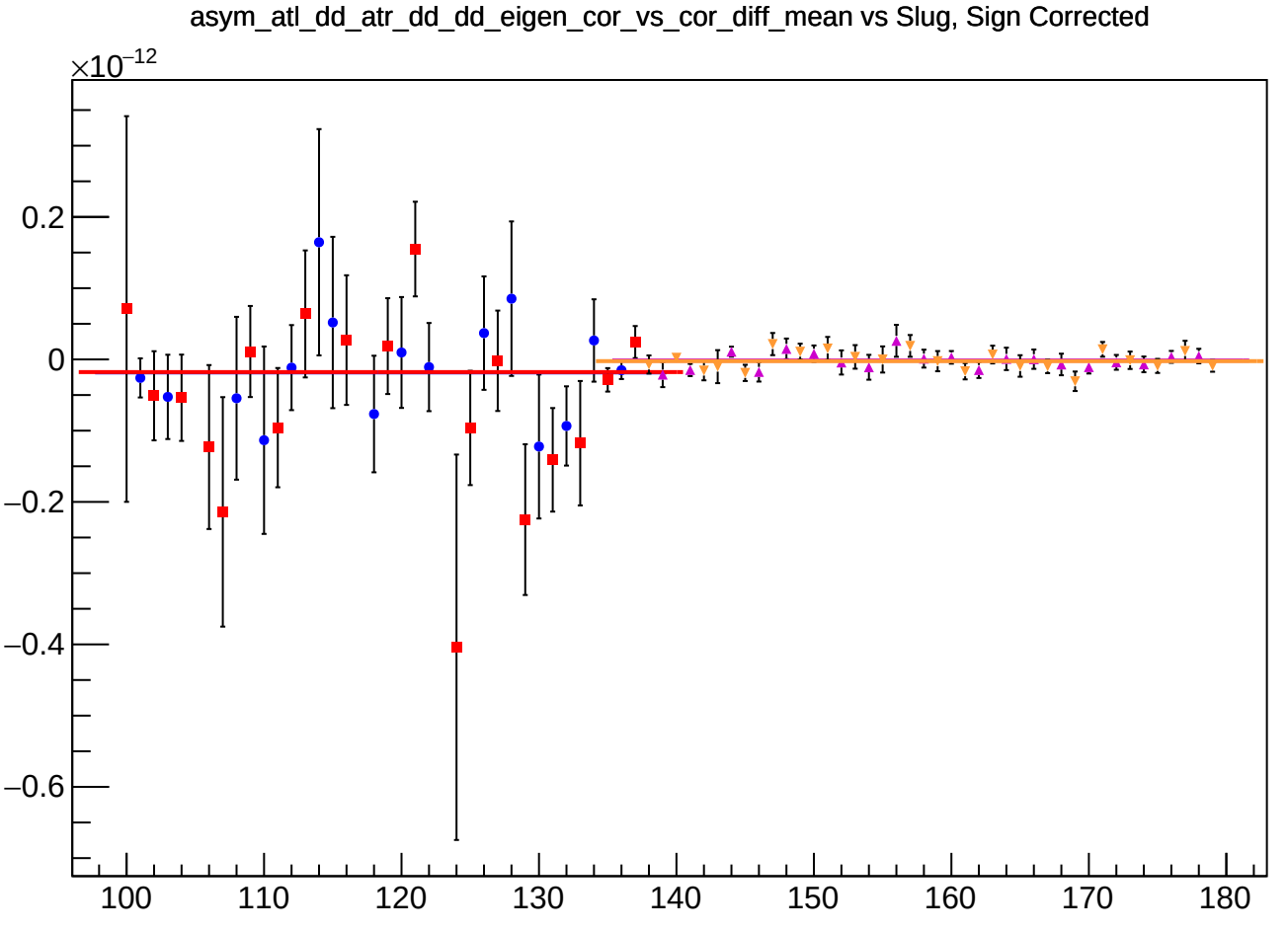
Left: 33.467+/-0.005 χ^2/NDF: 15640662.9/41

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/19

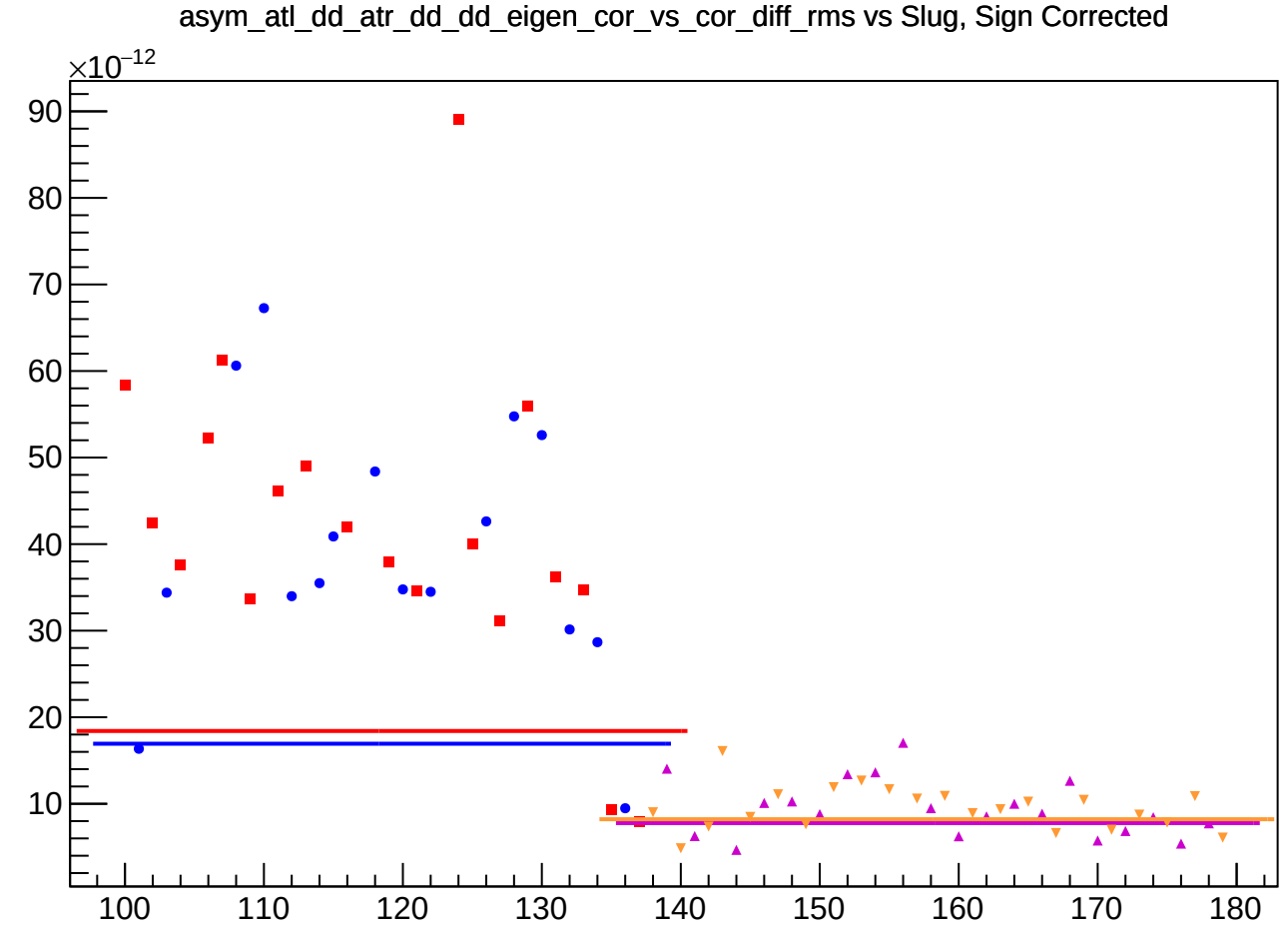
Left: -0.000+/-0.000 χ^2/NDF: 38.6/41

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.9/35

Out: -0.000+/-0.000 χ^2/NDF:51.8/40

All: -0.000+/-0.000 χ^2/NDF: 78.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1668399.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2280617.5/19

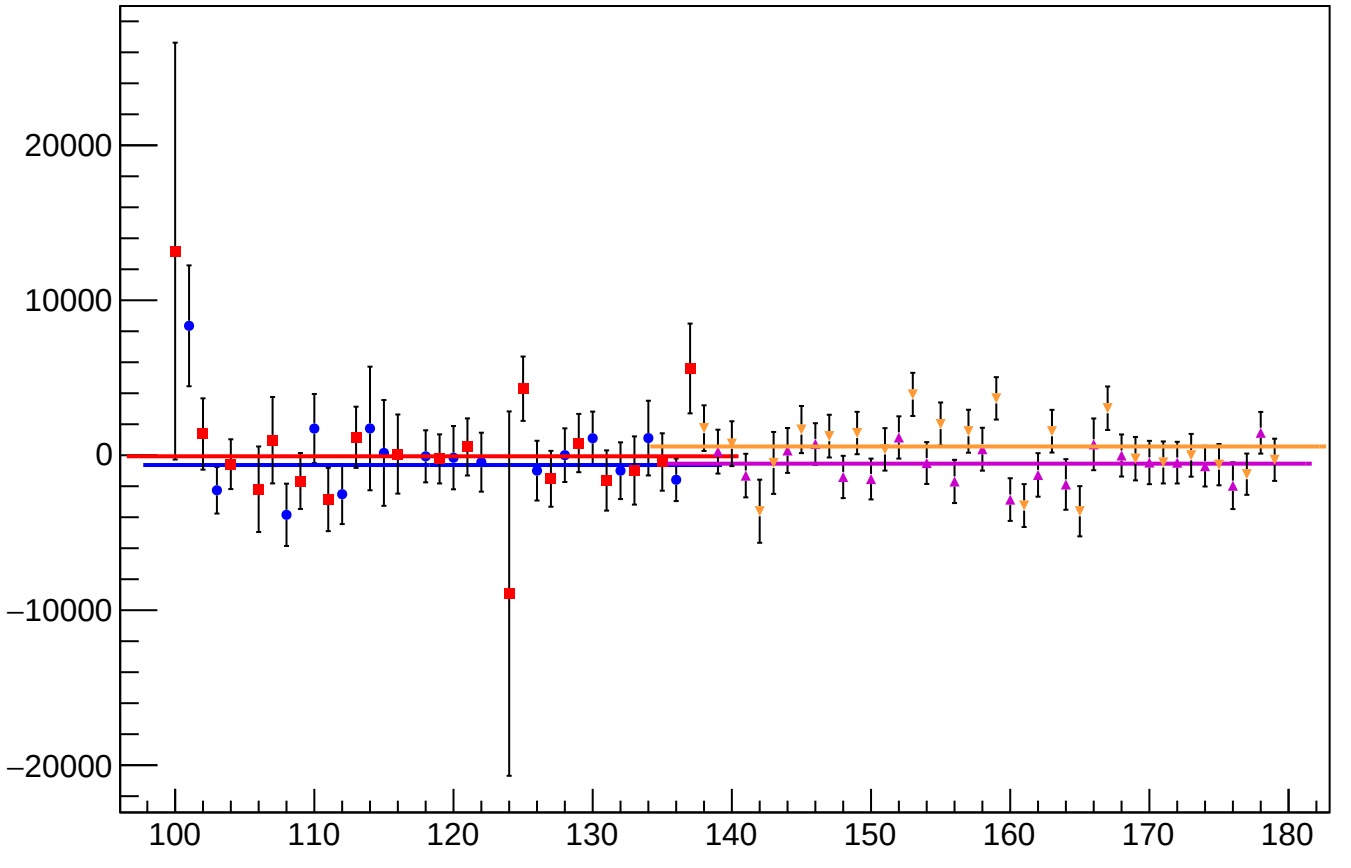
Left: 0.000+/-0.000 χ^2/NDF: 3980191.6/41

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7095031.2/35

Out: 0.000+/-0.000 χ^2/NDF:6959891.1/40

All: 0.000+/-0.000 χ^2/NDF: 14081405.7/76



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -543.002+/-312.722 χ^2/NDF:13.1/19

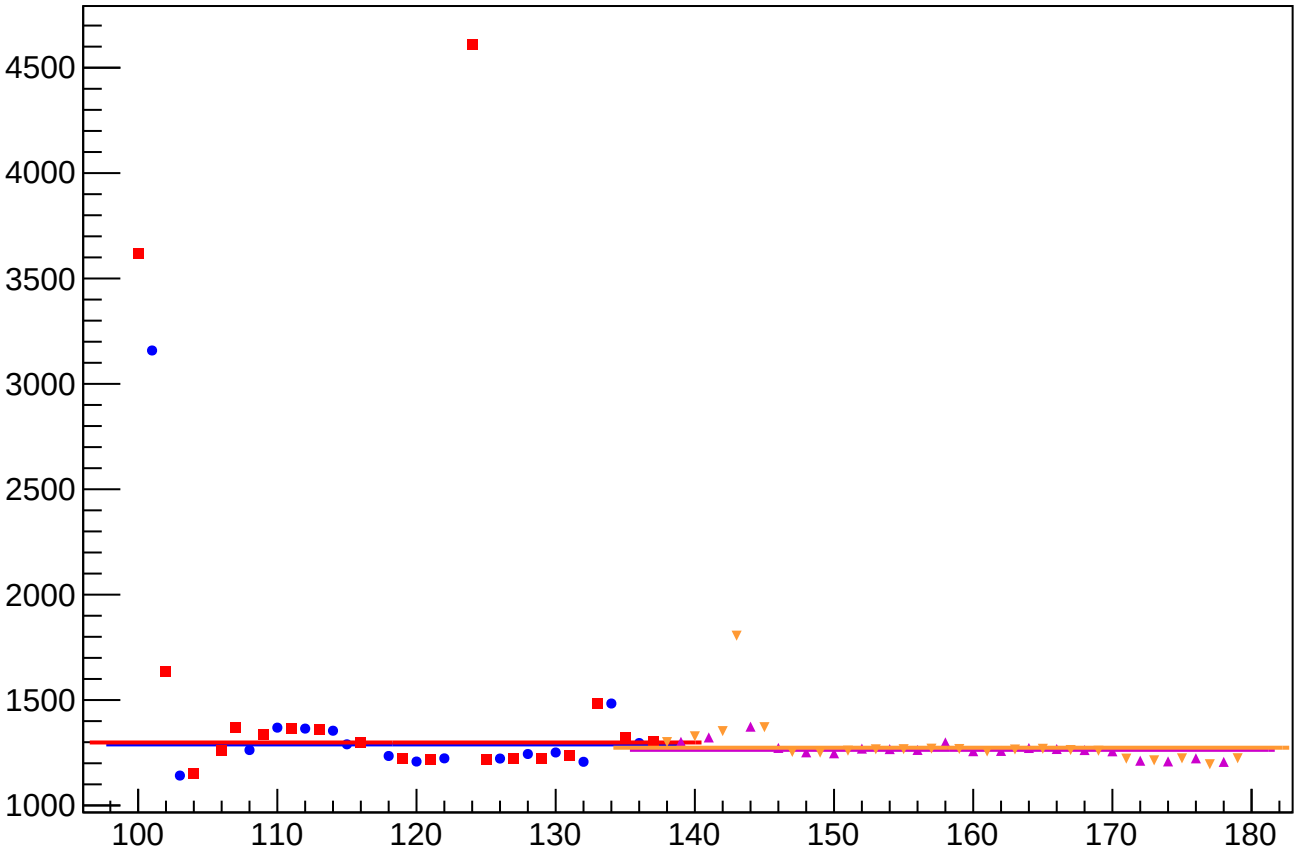
Left: 24.102+/-218.482 χ^2/NDF: 60.3/41

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -568.582+/-263.402 χ^2/NDF:27.0/35

Out: 386.752+/-258.829 χ^2/NDF:57.8/40

All: -82.551+/-184.615 χ^2/NDF: 91.5/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

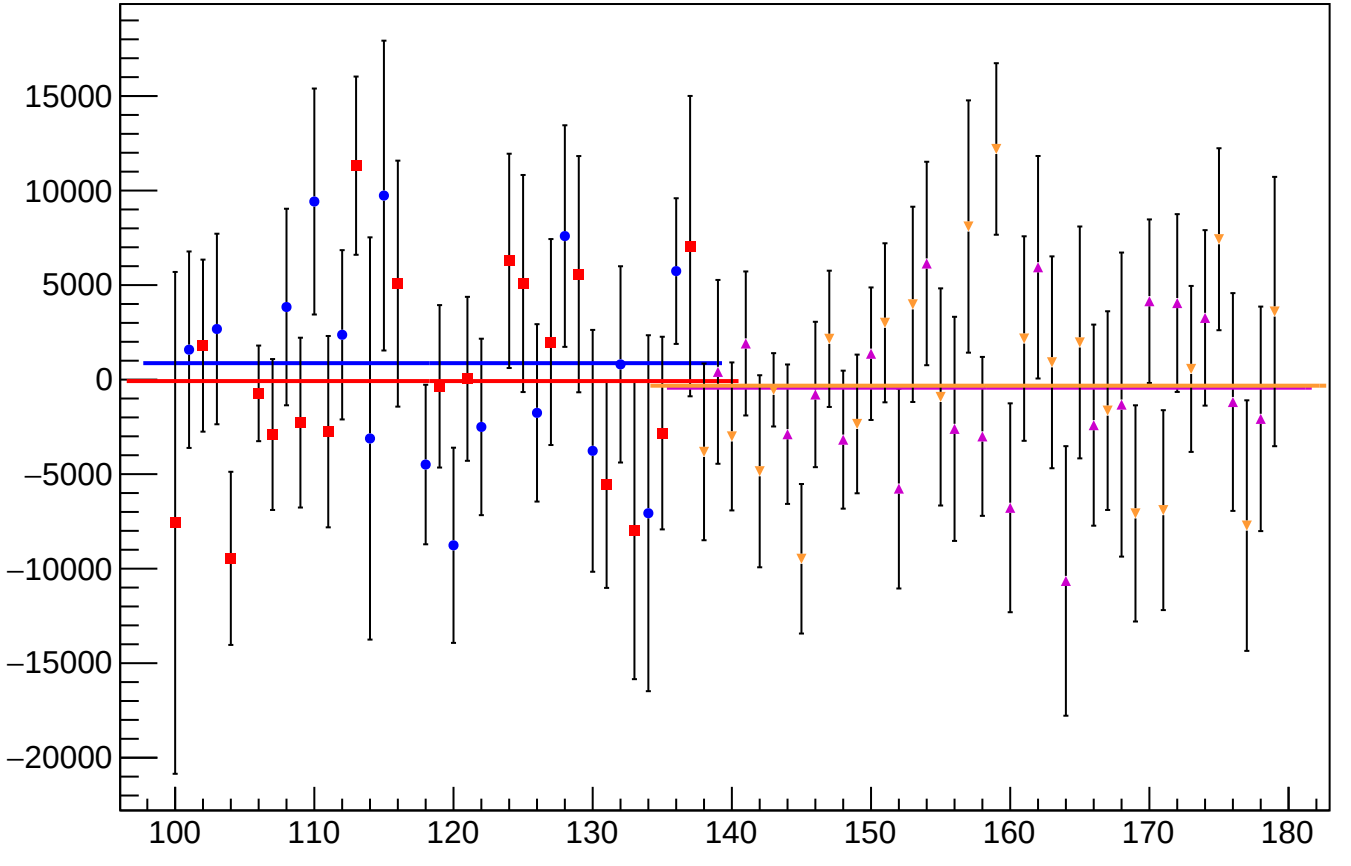
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1271.206+/-0.186 χ^2/NDF:548661.3/35

Out: 1280.850+/-0.183 χ^2/NDF:500586.1/40

All: 1276.116+/-0.130 χ^2/NDF: 1050612.2/76

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -428.141+/-1054.120 χ^2/NDF:12.2/19

Left: -368.326+/-696.920 χ^2/NDF: 38.3/41

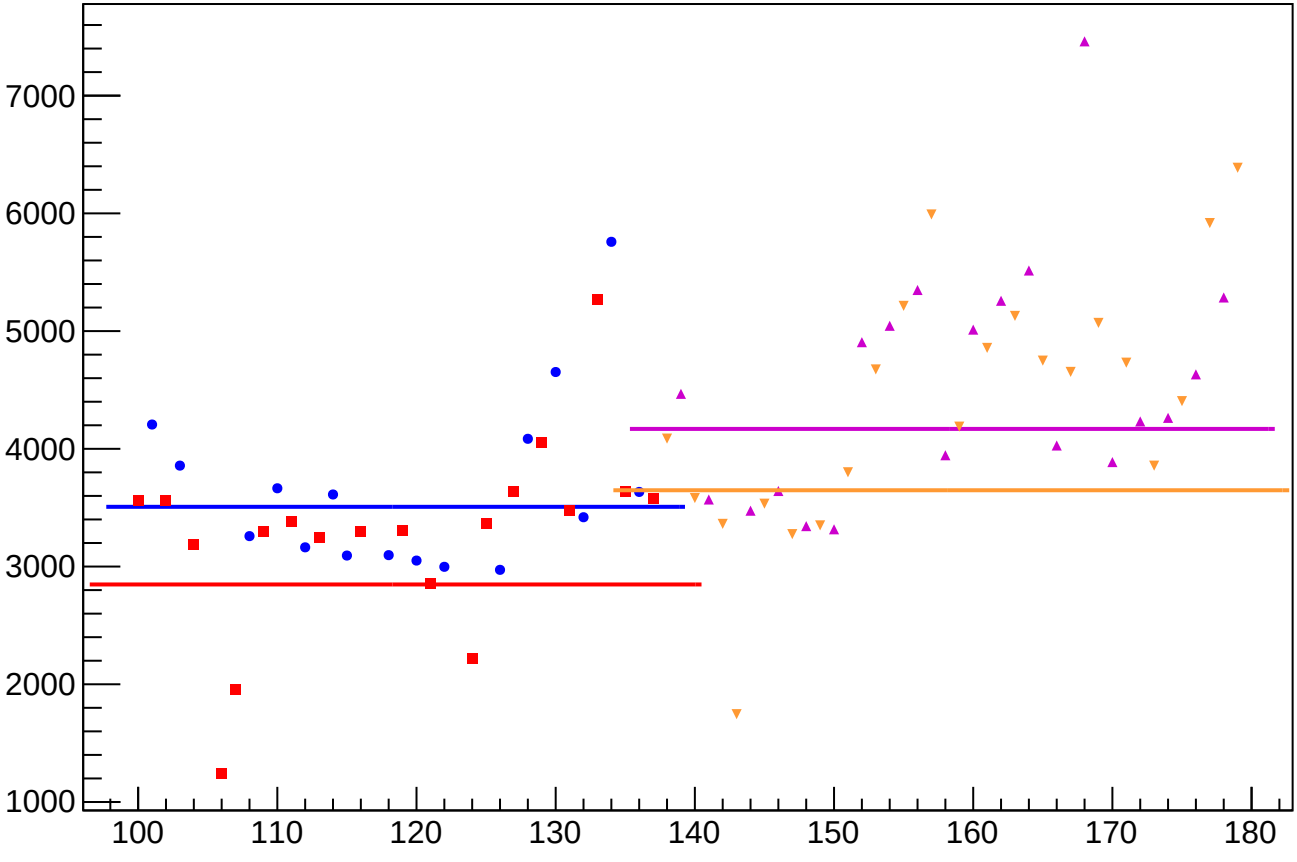
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 75.003+/-824.979 χ^2/NDF:26.8/35

Out: -221.267+/-712.652 χ^2/NDF:44.5/40

All: -94.660+/-539.297 χ^2/NDF: 71.4/76

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

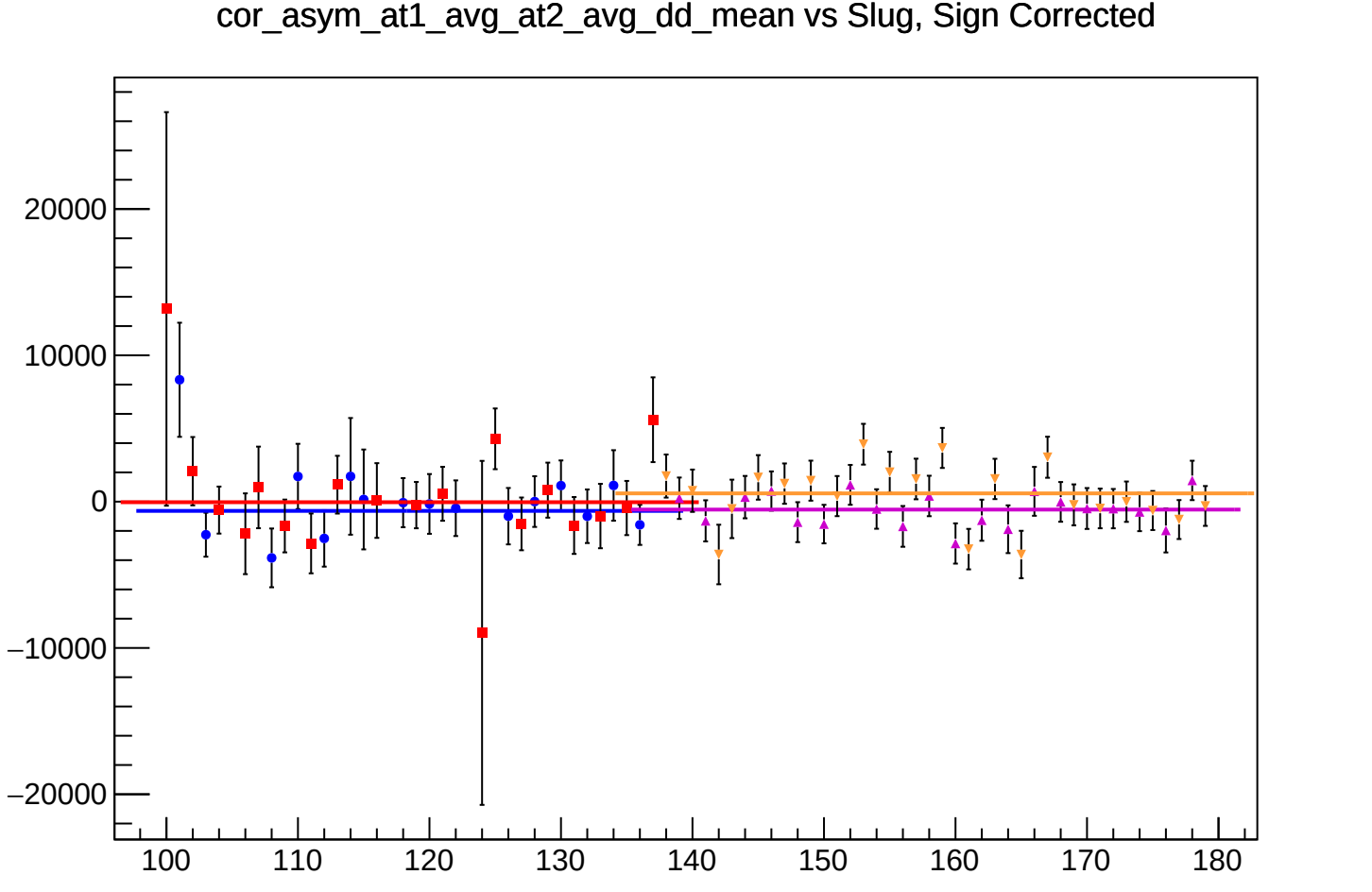
Left: 3875.826+/-0.493 χ^2/NDF: 5113048.3/41

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3912.721+/-0.583 χ^2/NDF:1838722.9/35

Out: 3318.837+/-0.504 χ^2/NDF:5768620.7/40

All: 3572.625+/-0.381 χ^2/NDF: 8200878.4/76



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -542.923+/-312.722 χ^2/NDF:13.1/19

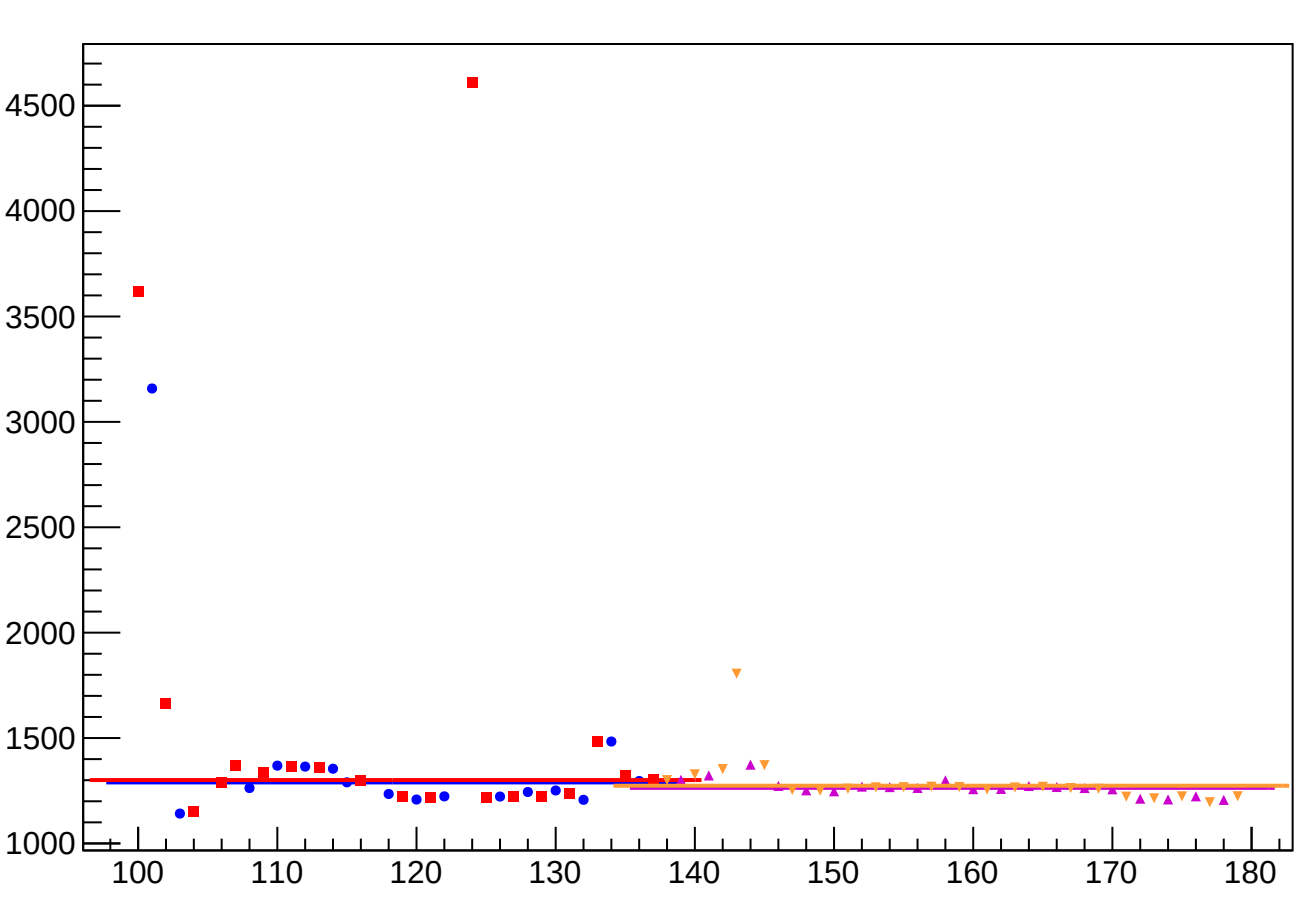
Left: 24.150+/-218.482 χ^2/NDF: 60.3/41

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -78.421+/-184.633 χ^2/NDF: 92.0/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

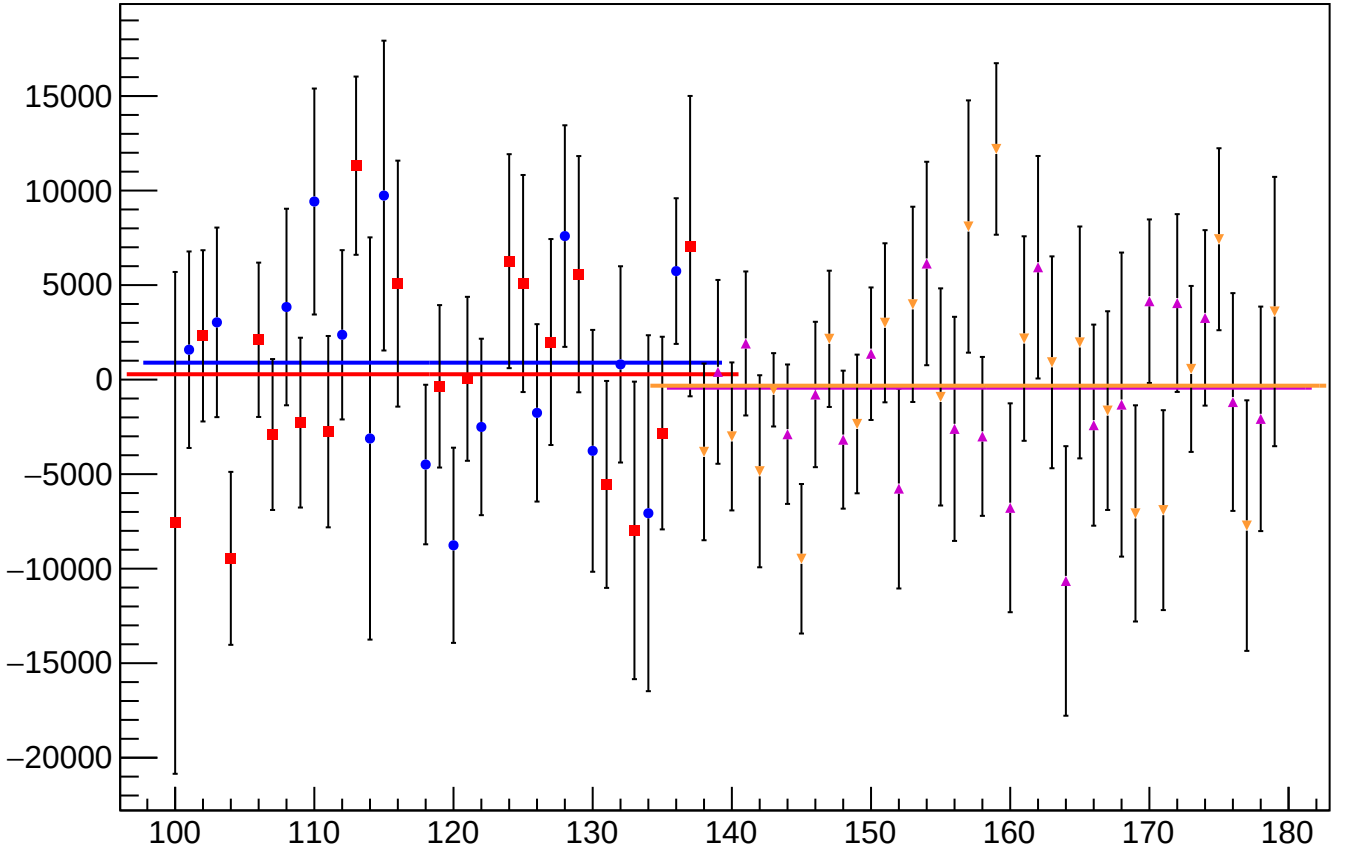
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -428.148+/-1054.118 χ^2/NDF:12.2/19

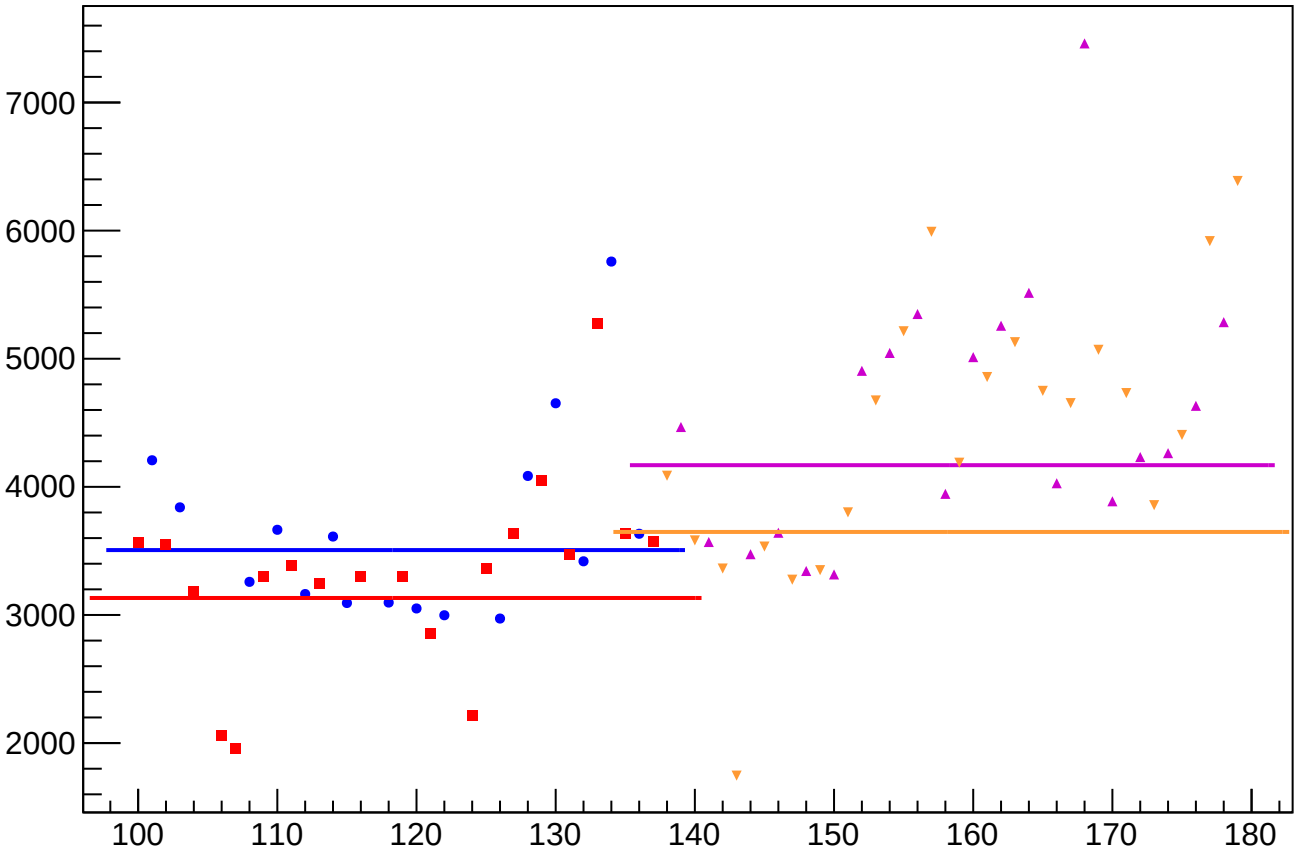
Left: -368.292+/-696.919 χ^2/NDF: 38.3/41

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: -13.439+/-546.931 χ^2/NDF: 71.8/76



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

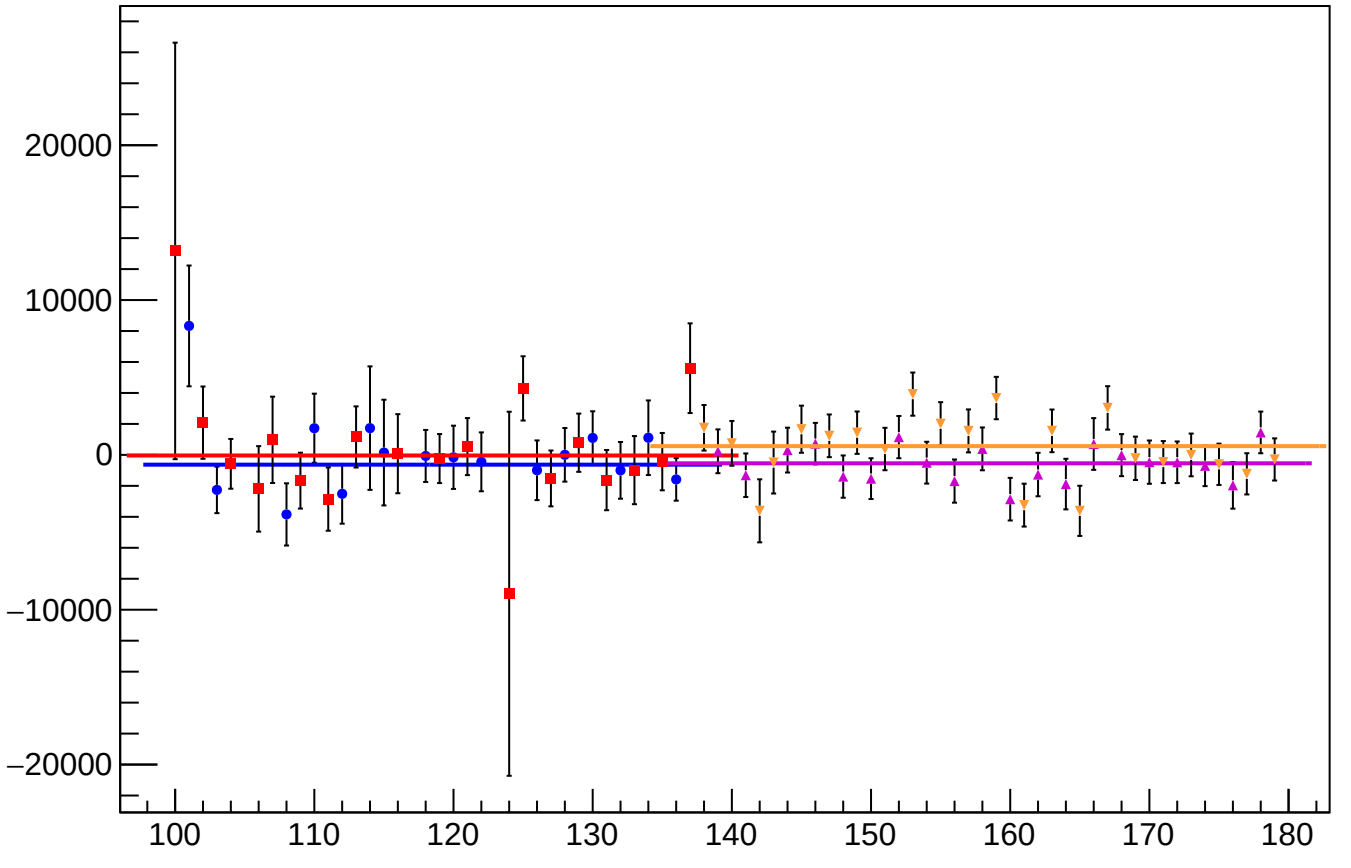
Left: 3875.818+/-0.493 χ^2/NDF: 5113088.7/41

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -542.923+/-312.722 χ^2/NDF:13.1/19

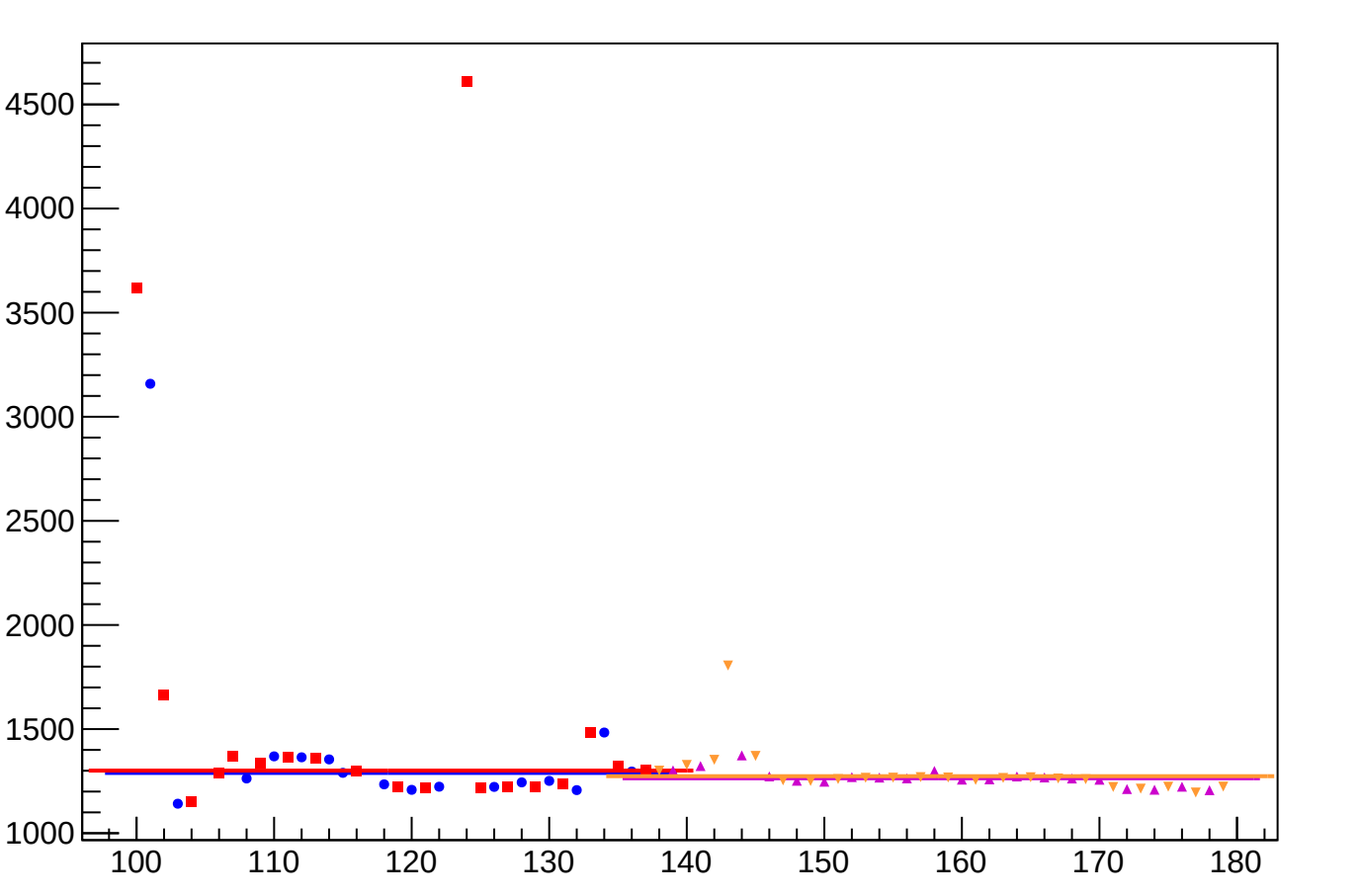
Left: 24.150+/-218.482 χ^2/NDF: 60.3/41

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -78.421+/-184.633 χ^2/NDF: 92.0/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

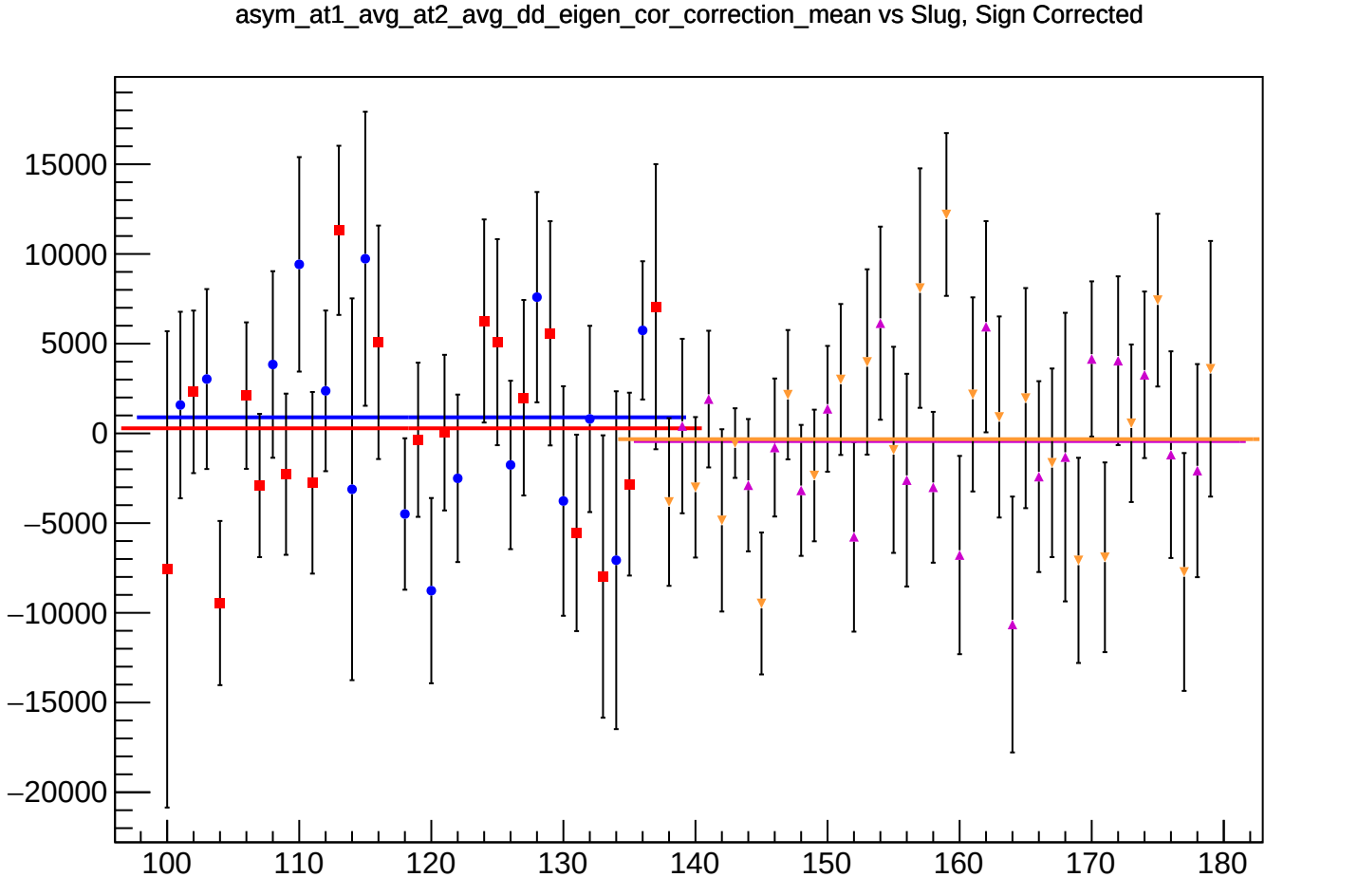
Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -428.148+/-1054.118 χ^2/NDF:12.2/19

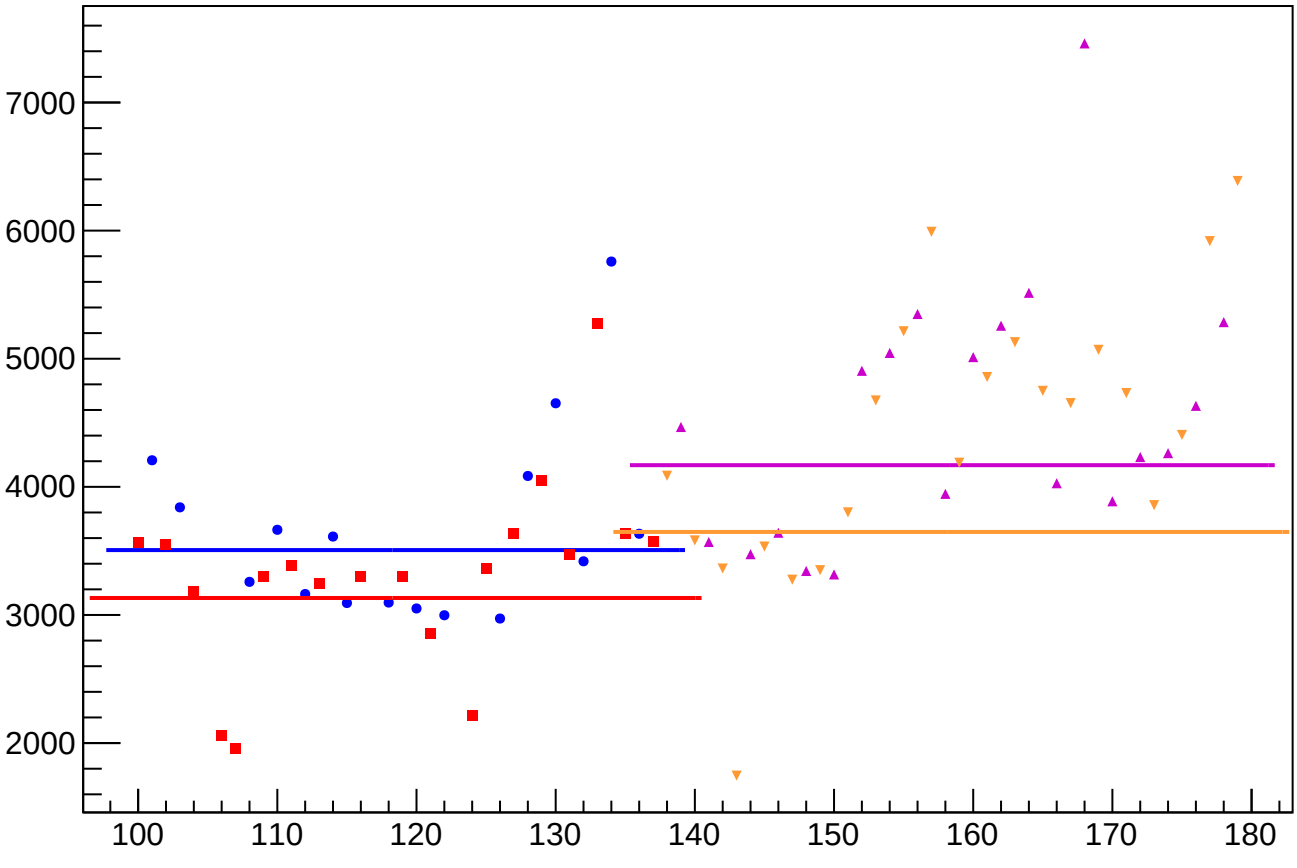
Left: -368.292+/-696.919 χ^2/NDF: 38.3/41

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: -13.439+/-546.931 χ^2/NDF: 71.8/76



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

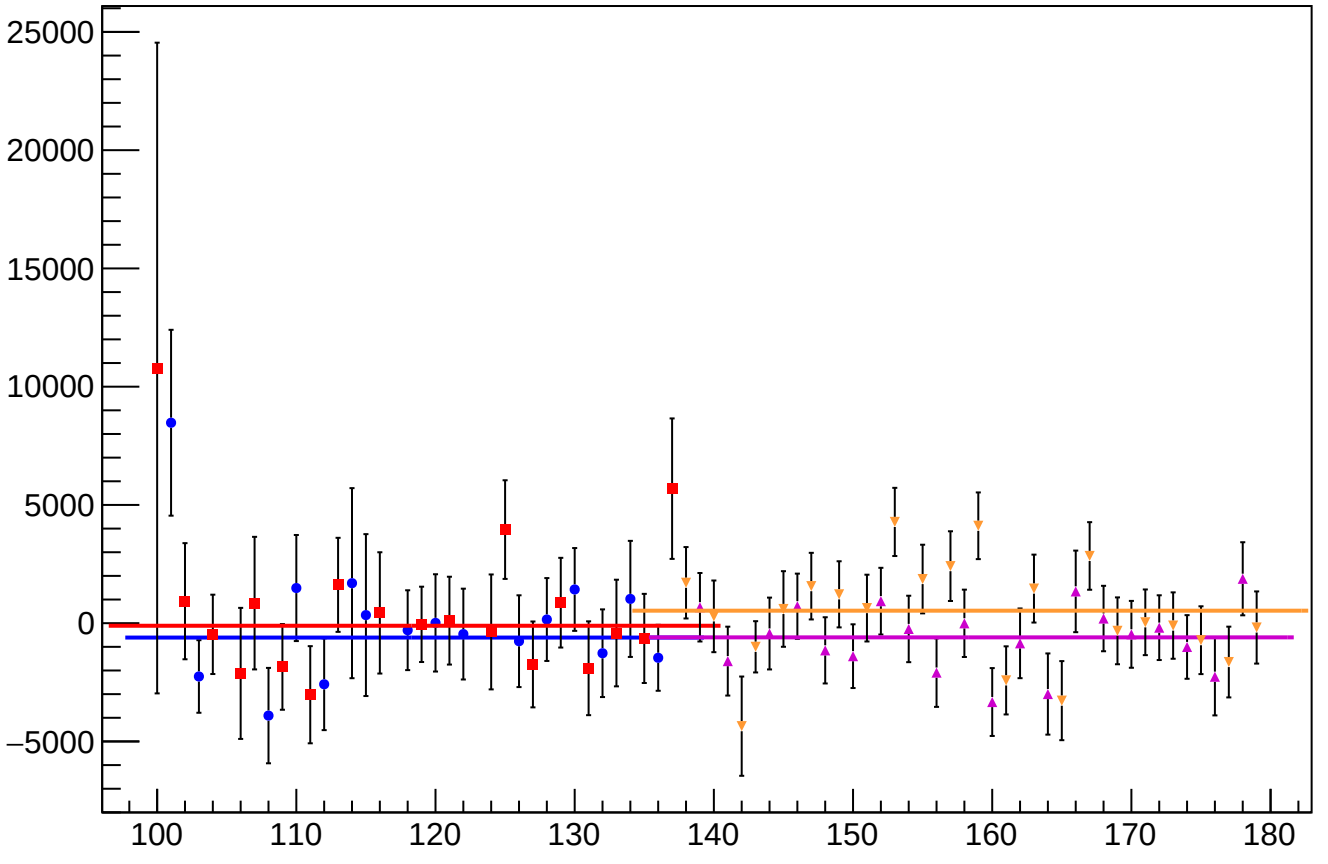
Left: 3875.818+/-0.493 χ^2/NDF: 5113088.7/41

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -599.425+/-324.930 χ^2/NDF:16.2/19

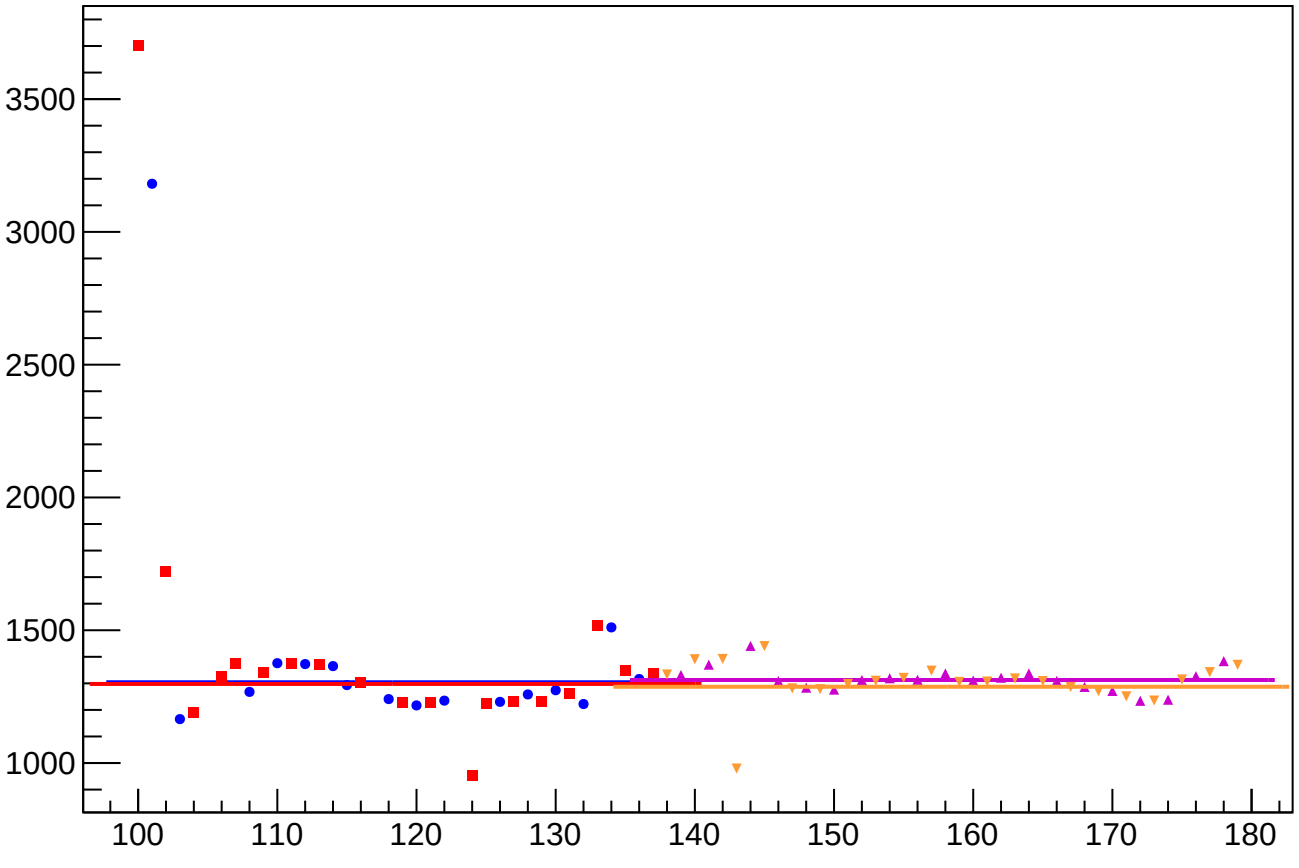
Left: -6.730+/-223.847 χ^2/NDF: 63.2/41

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -601.963+/-271.500 χ^2/NDF:30.3/35

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -108.998+/-188.000 χ^2/NDF: 93.4/76



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

Left: 1299.284+/-0.158 χ^2/NDF: 263882.7/41

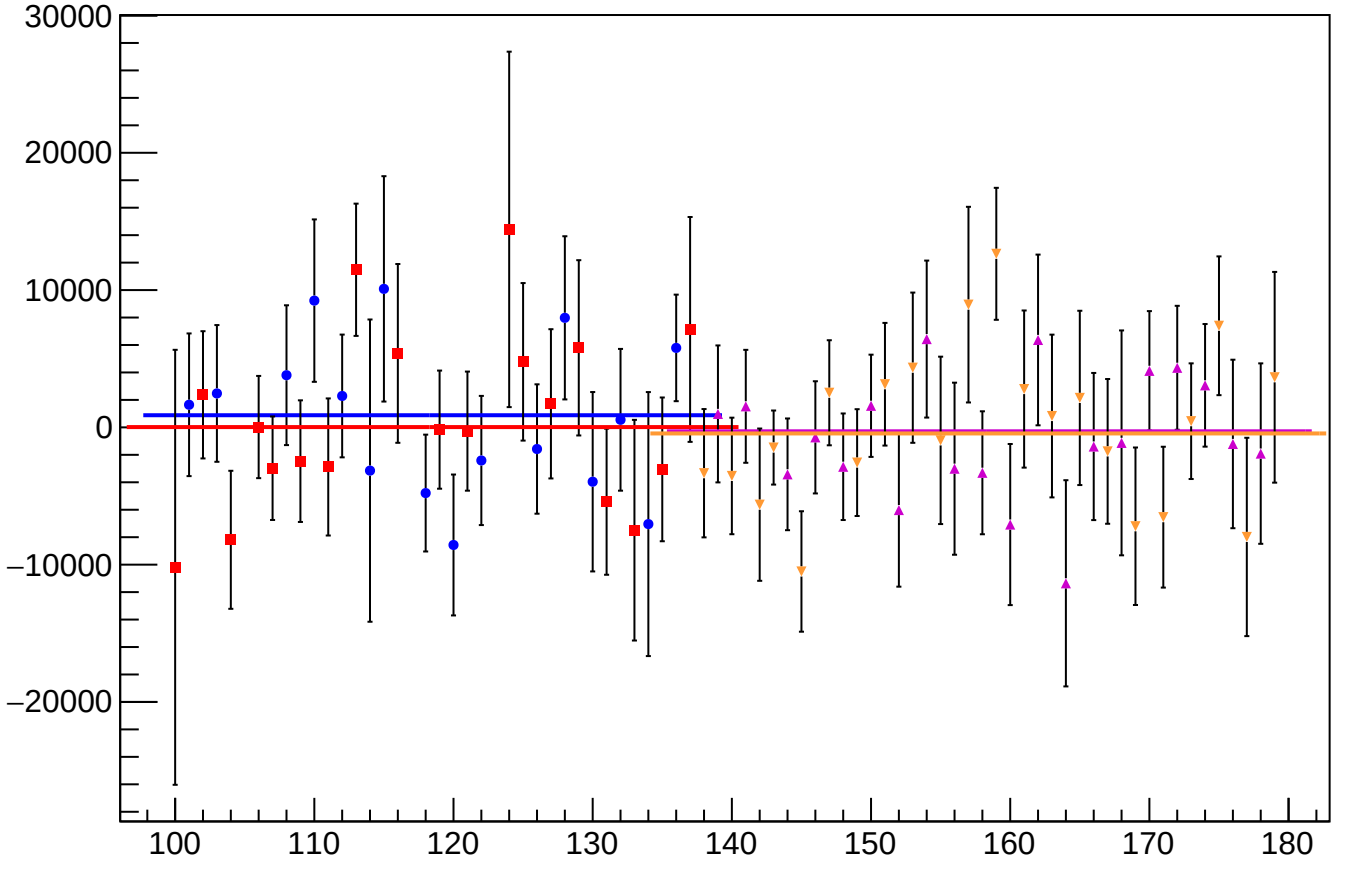
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.061+/-0.192 χ^2/NDF:551651.2/35

Out: 1290.271+/-0.184 χ^2/NDF:430582.2/40

All: 1299.758+/-0.133 χ^2/NDF: 987765.2/76

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -287.074+/-1104.132 χ^2/NDF:12.1/19

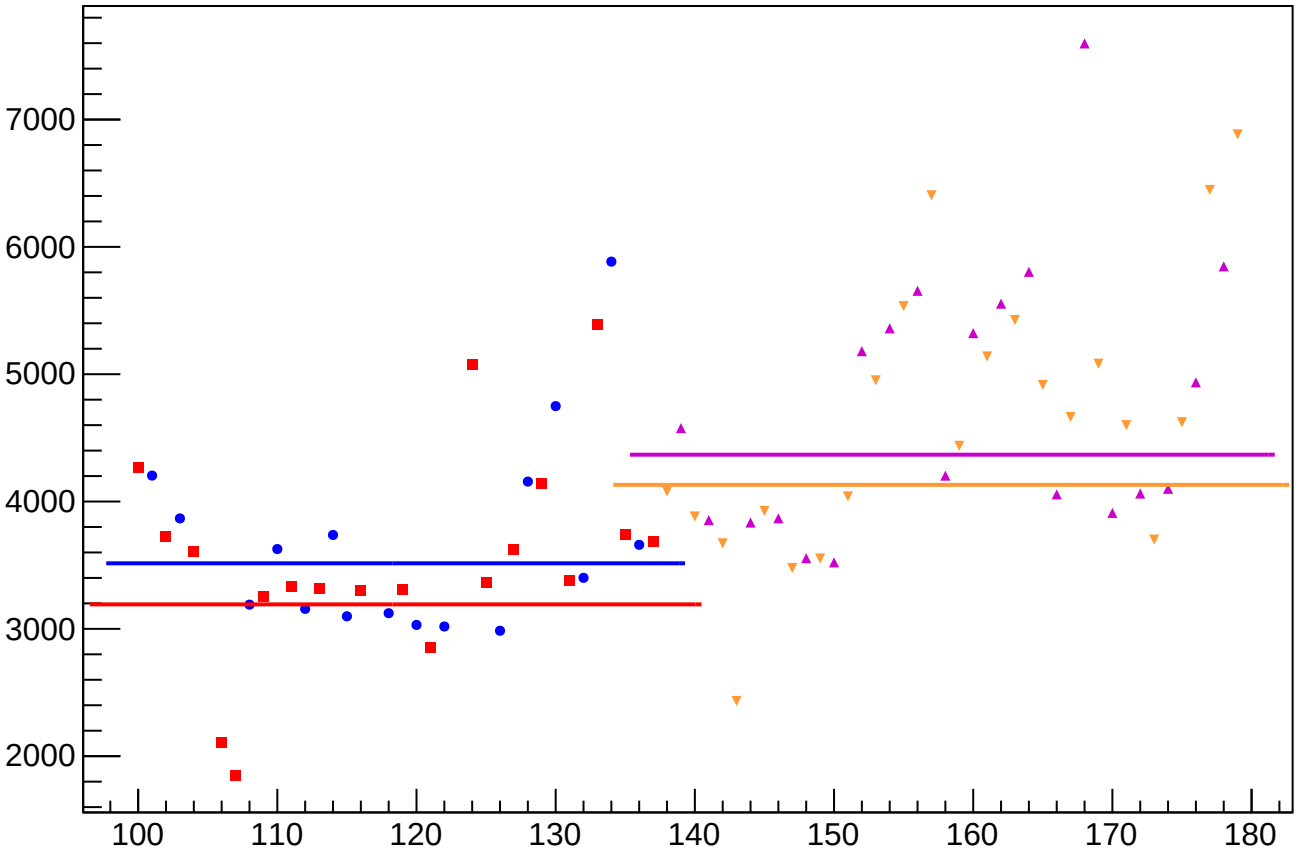
Left: -370.930+/-751.409 χ^2/NDF: 37.9/41

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 191.856+/-848.857 χ^2/NDF:26.6/35

Out: -247.448+/-779.617 χ^2/NDF:42.8/40

All: -46.441+/-574.193 χ^2/NDF: 69.6/76



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

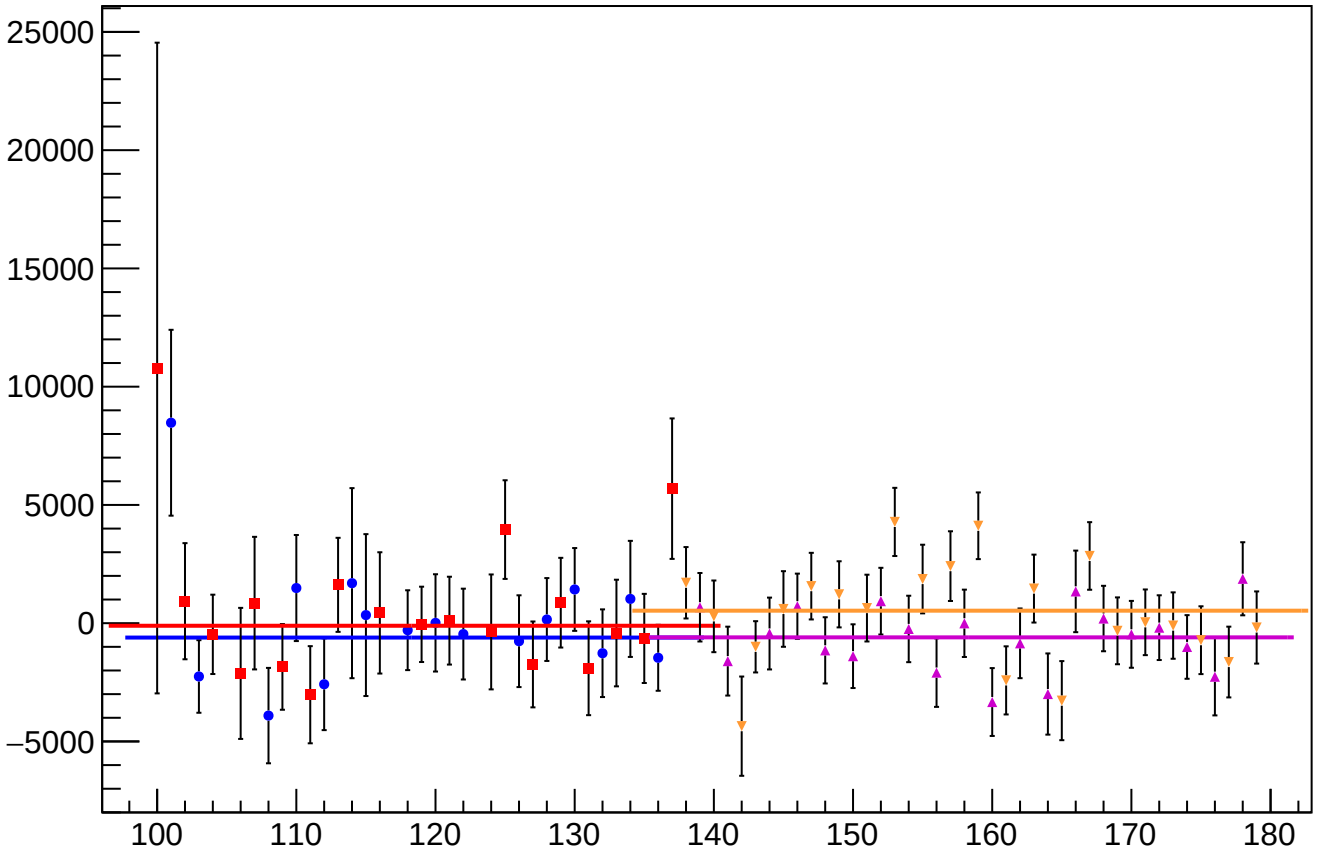
Left: 4240.736+/-0.531 χ^2/NDF: 3268501.6/41

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4018.994+/-0.600 χ^2/NDF:2016630.0/35

Out: 3734.788+/-0.551 χ^2/NDF:3545837.5/40

All: 3864.828+/-0.406 χ^2/NDF: 5684080.6/76



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -599.428+/-324.930 χ^2/NDF:16.2/19

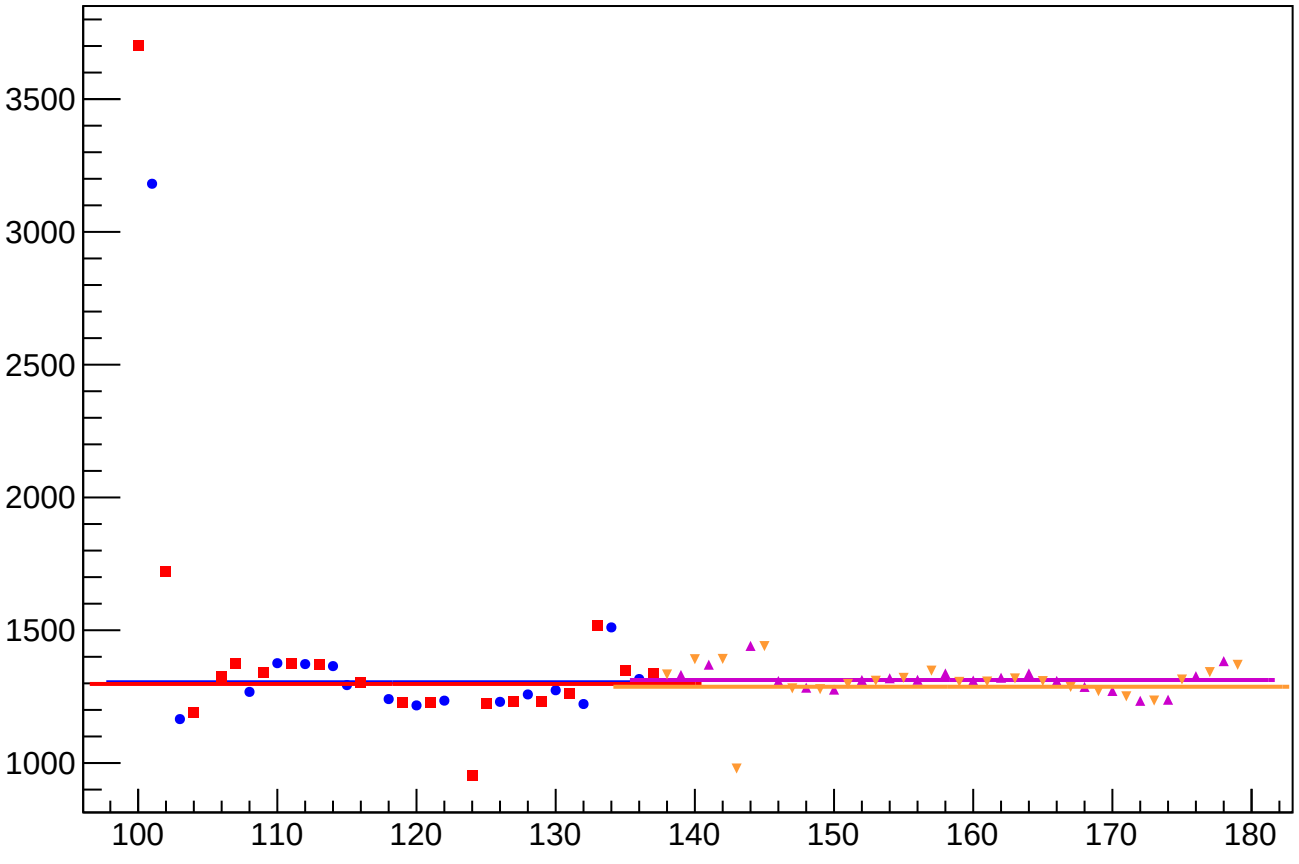
Left: -6.729+/-223.848 χ^2/NDF: 63.2/41

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -601.965+/-271.500 χ^2/NDF:30.3/35

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -108.999+/-188.000 χ^2/NDF: 93.4/76



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

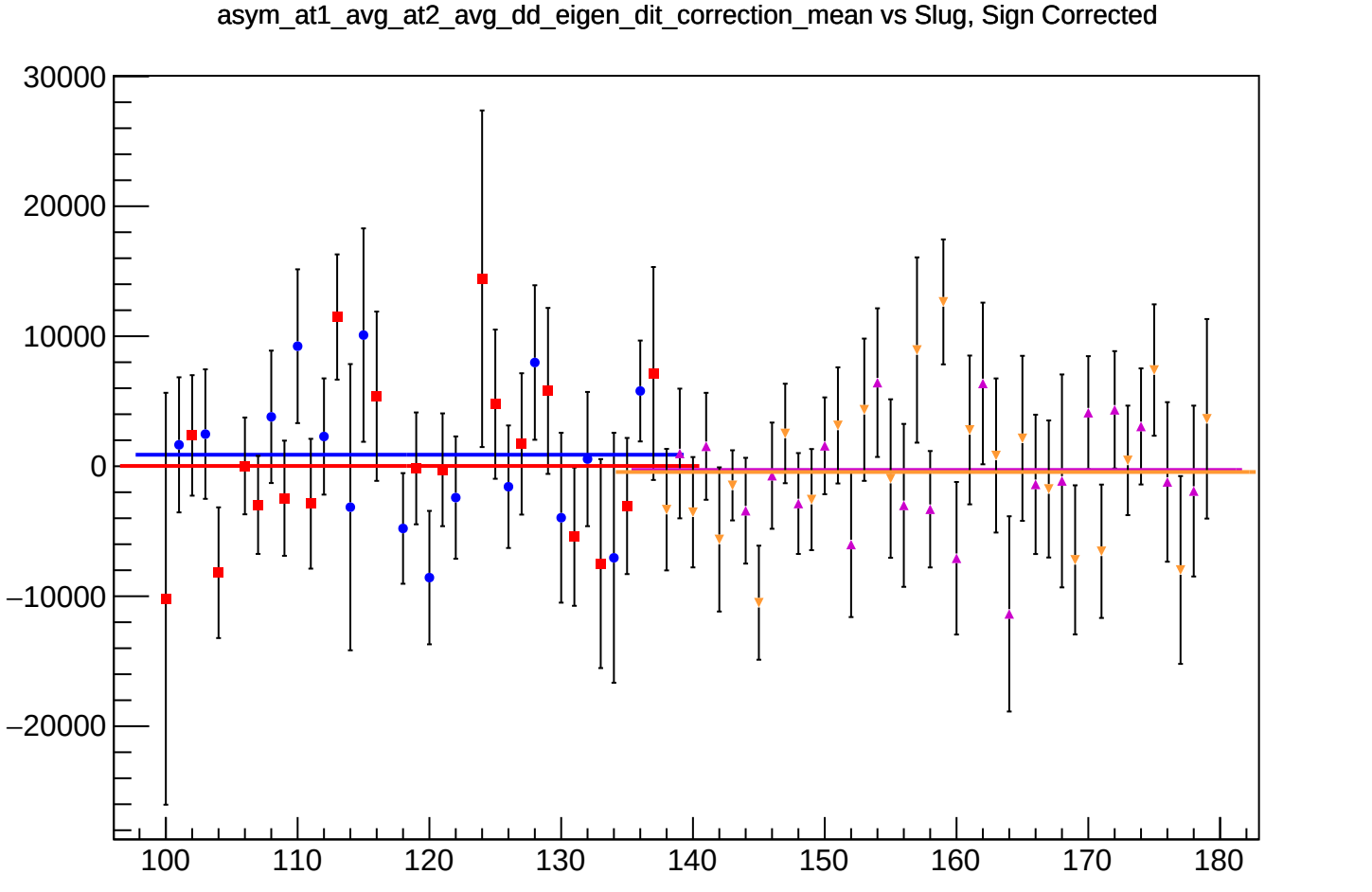
Left: 1299.286+/-0.158 χ^2/NDF: 263887.2/41

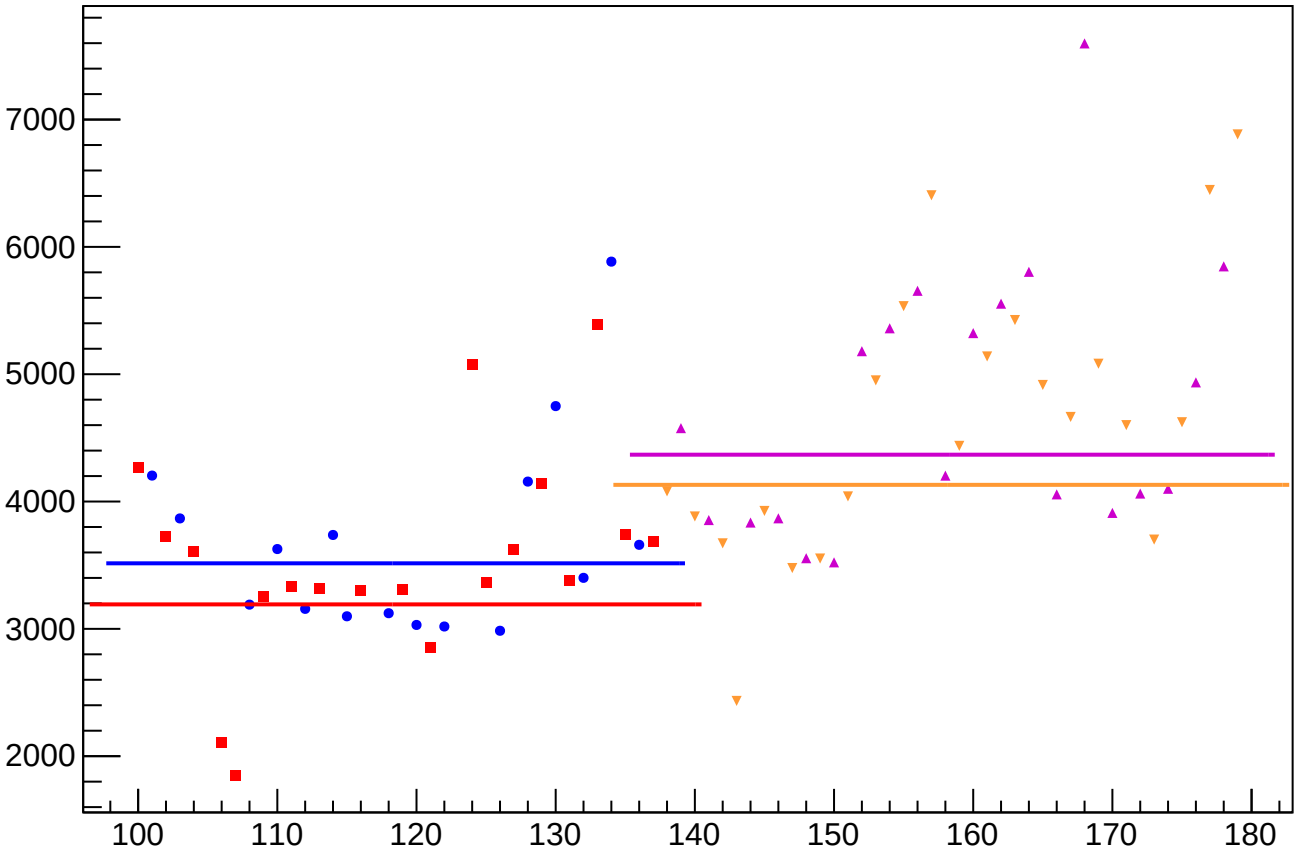
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.062+/-0.192 χ^2/NDF:551653.3/35

Out: 1290.272+/-0.184 χ^2/NDF:430584.8/40

All: 1299.759+/-0.133 χ^2/NDF: 987769.9/76


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -443.268+/-1025.525 χ²/NDF:25.9/21
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -287.074+/-1104.134 χ²/NDF:12.1/19
Left: -370.928+/-751.411 χ²/NDF: 37.9/41
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 191.854+/-848.857 χ²/NDF:26.6/35
Out: -247.447+/-779.617 χ²/NDF:42.8/40
All: -46.441+/-574.193 χ²/NDF: 69.6/76



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

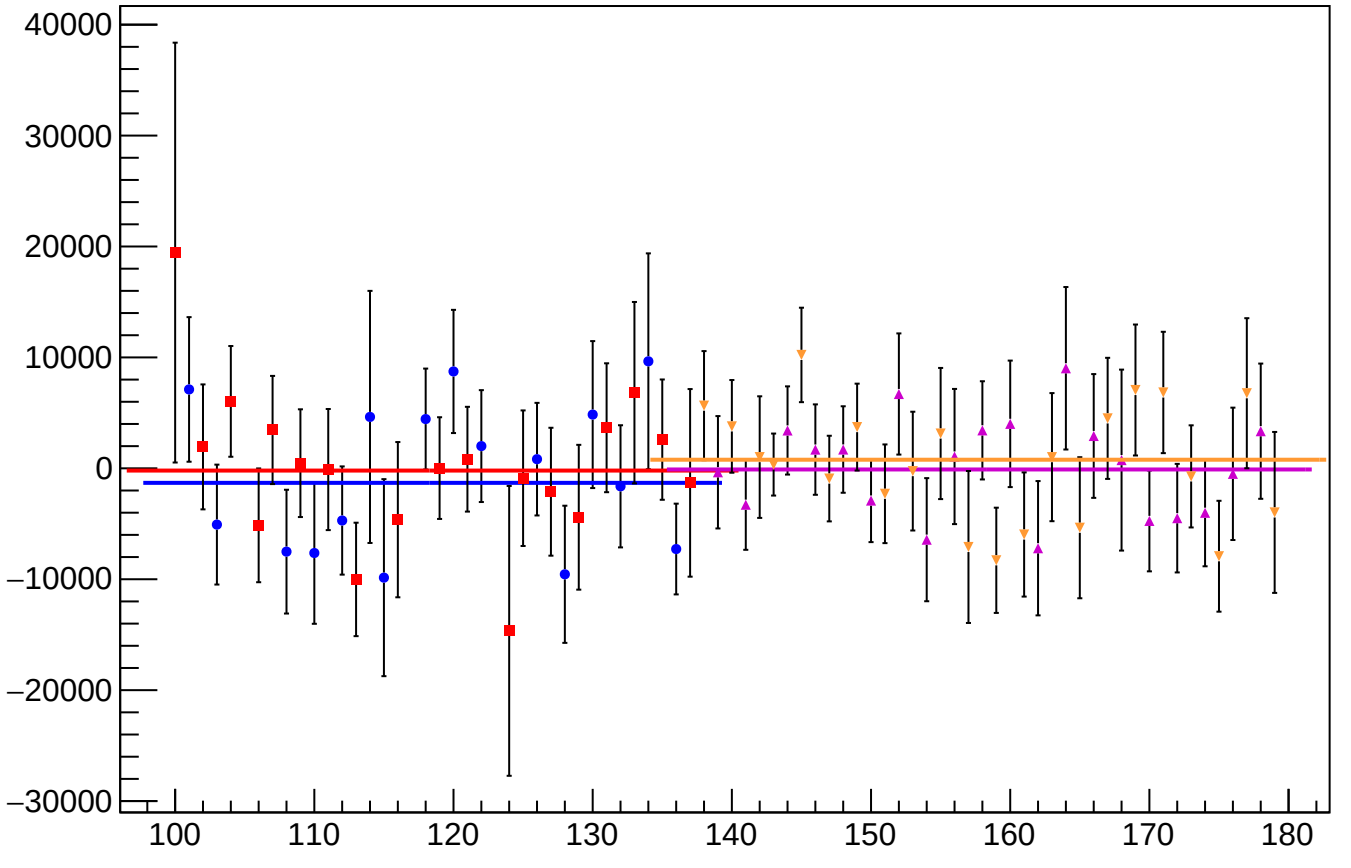
Left: 4240.742+/-0.531 χ^2/NDF: 3268507.6/41

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4018.992+/-0.600 χ^2/NDF:2016656.0/35

Out: 3734.786+/-0.551 χ^2/NDF:3545865.5/40

All: 3864.827+/-0.406 χ^2/NDF: 5684134.5/76



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -102.716+/-1107.223 χ^2/NDF:12.5/19

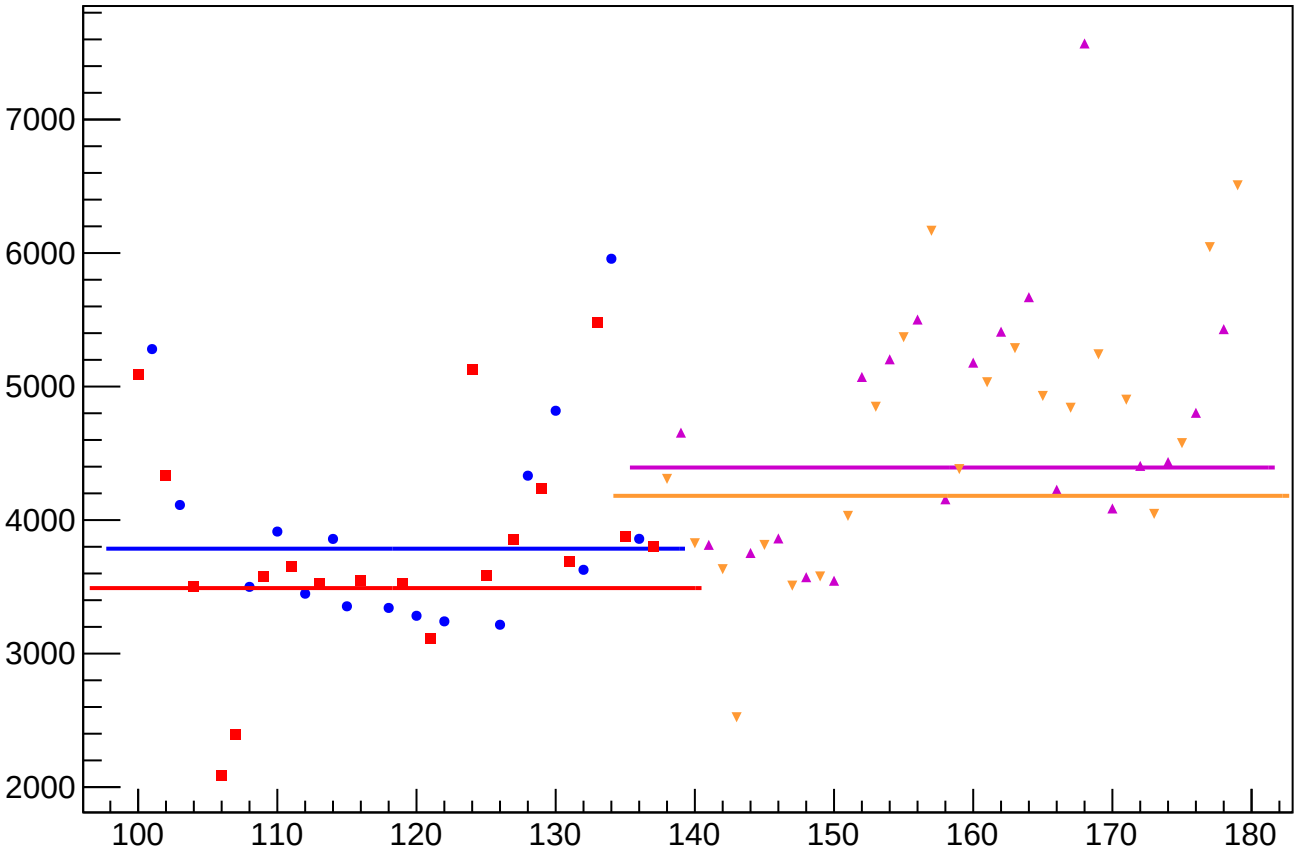
Left: 367.223+/-755.244 χ^2/NDF: 35.2/41

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -554.332+/-875.842 χ^2/NDF:30.5/35

Out: 410.407+/-817.128 χ^2/NDF:34.4/40

All: -38.545+/-597.476 χ^2/NDF: 65.5/76



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

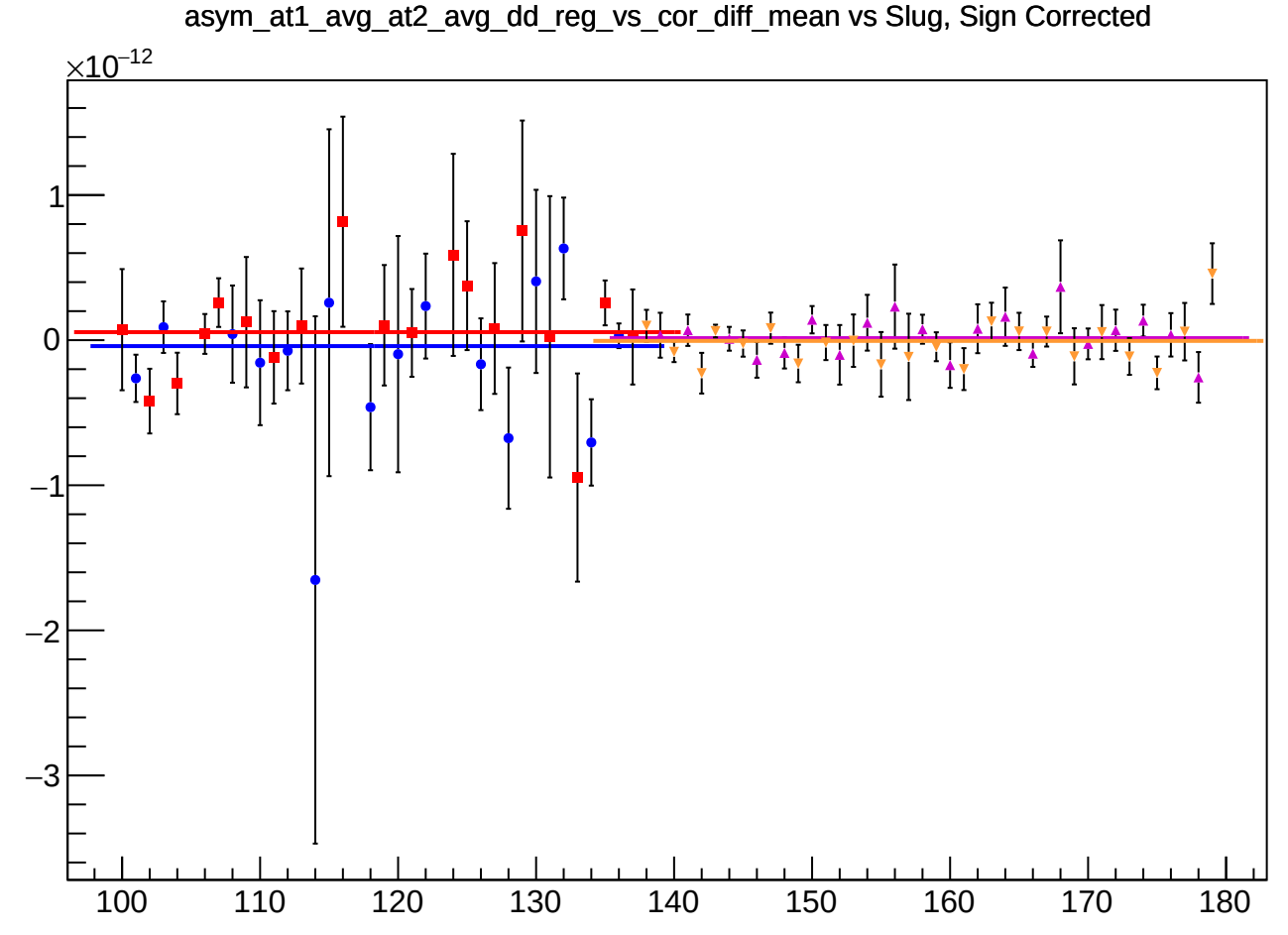
Left: 4280.270+/-0.534 χ^2/NDF: 2839612.7/41

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4166.138+/-0.619 χ^2/NDF:1613440.0/35

Out: 3918.689+/-0.575 χ^2/NDF:2722928.9/40

All: 4033.205+/-0.421 χ^2/NDF: 4422131.6/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/19

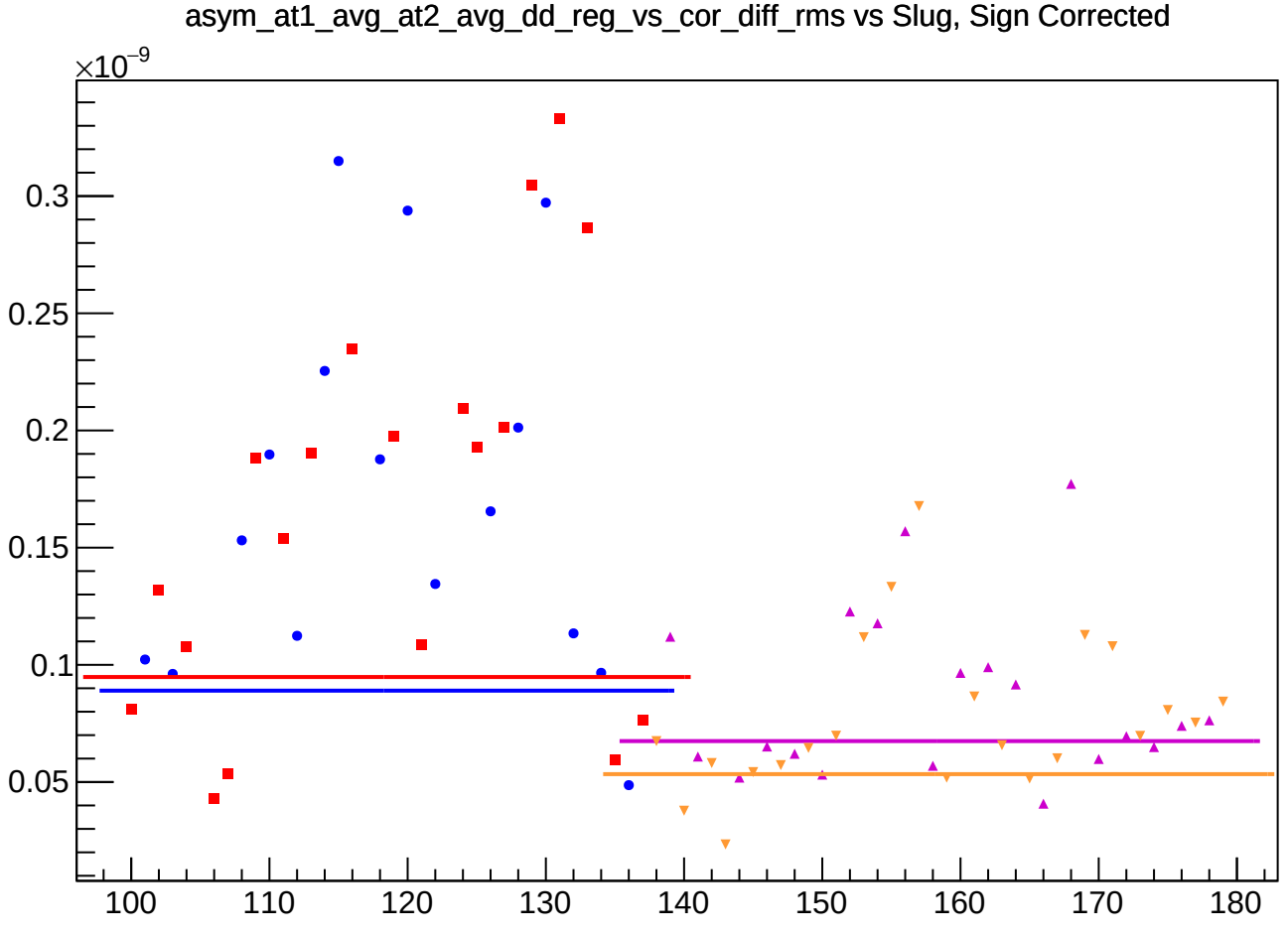
Left: 0.000+/-0.000 χ^2/NDF: 38.3/41

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:32.0/35

Out: 0.000+/-0.000 χ^2/NDF:40.1/40

All: 0.000+/-0.000 χ^2/NDF: 72.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4272228.0/41

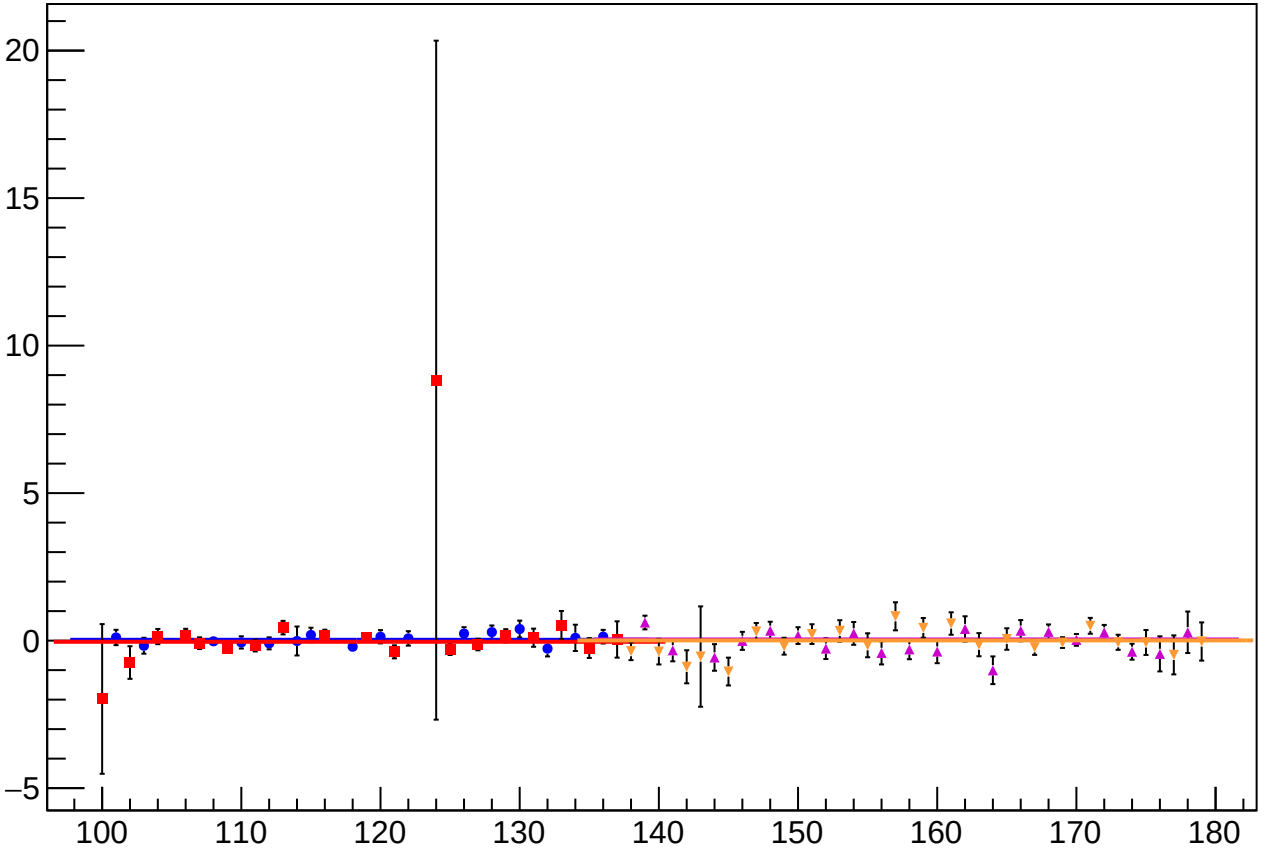
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3061986.9/35

Out: 0.000+/-0.000 χ^2/NDF:5068655.3/40

All: 0.000+/-0.000 χ^2/NDF: 8445239.7/76

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

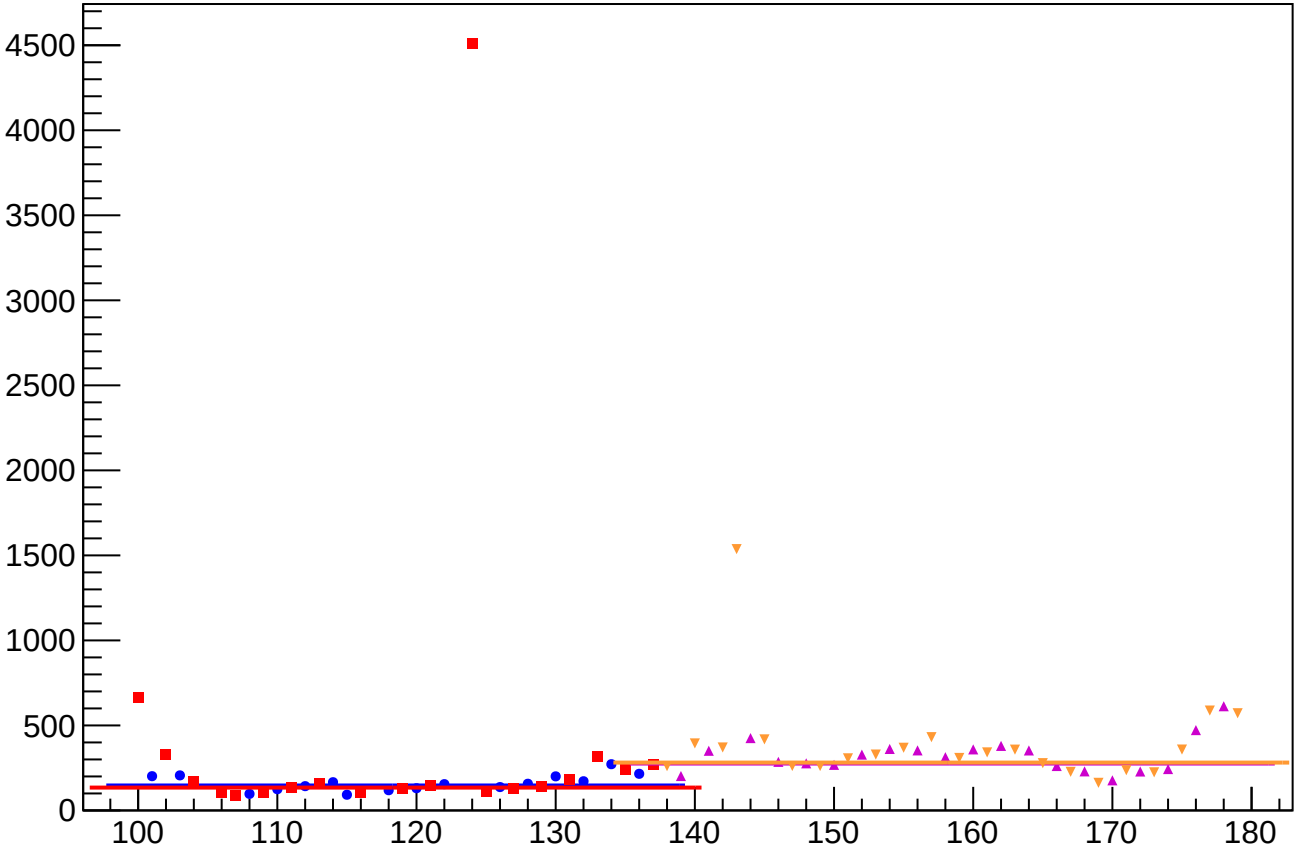
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 278.646+/-0.036 χ^2/NDF: 6290941.7/41

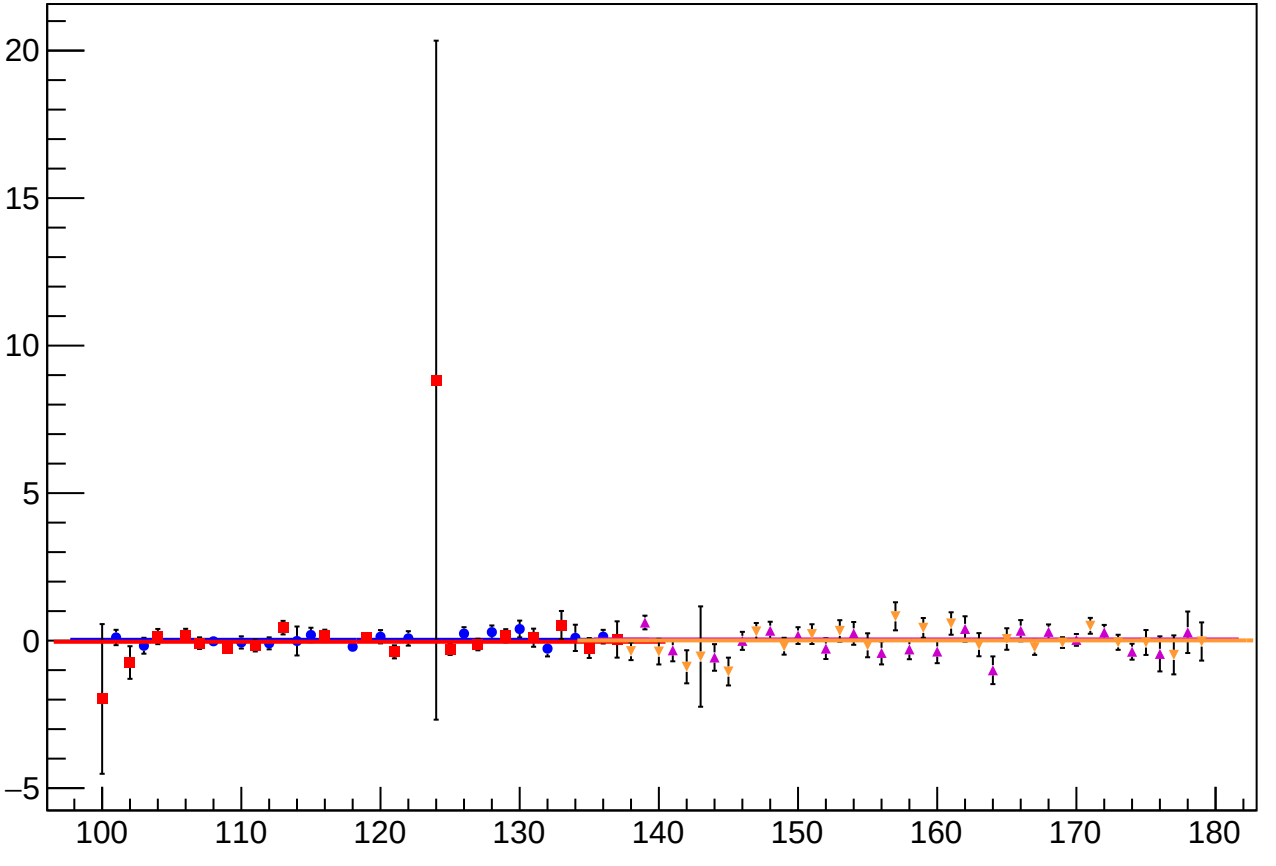
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

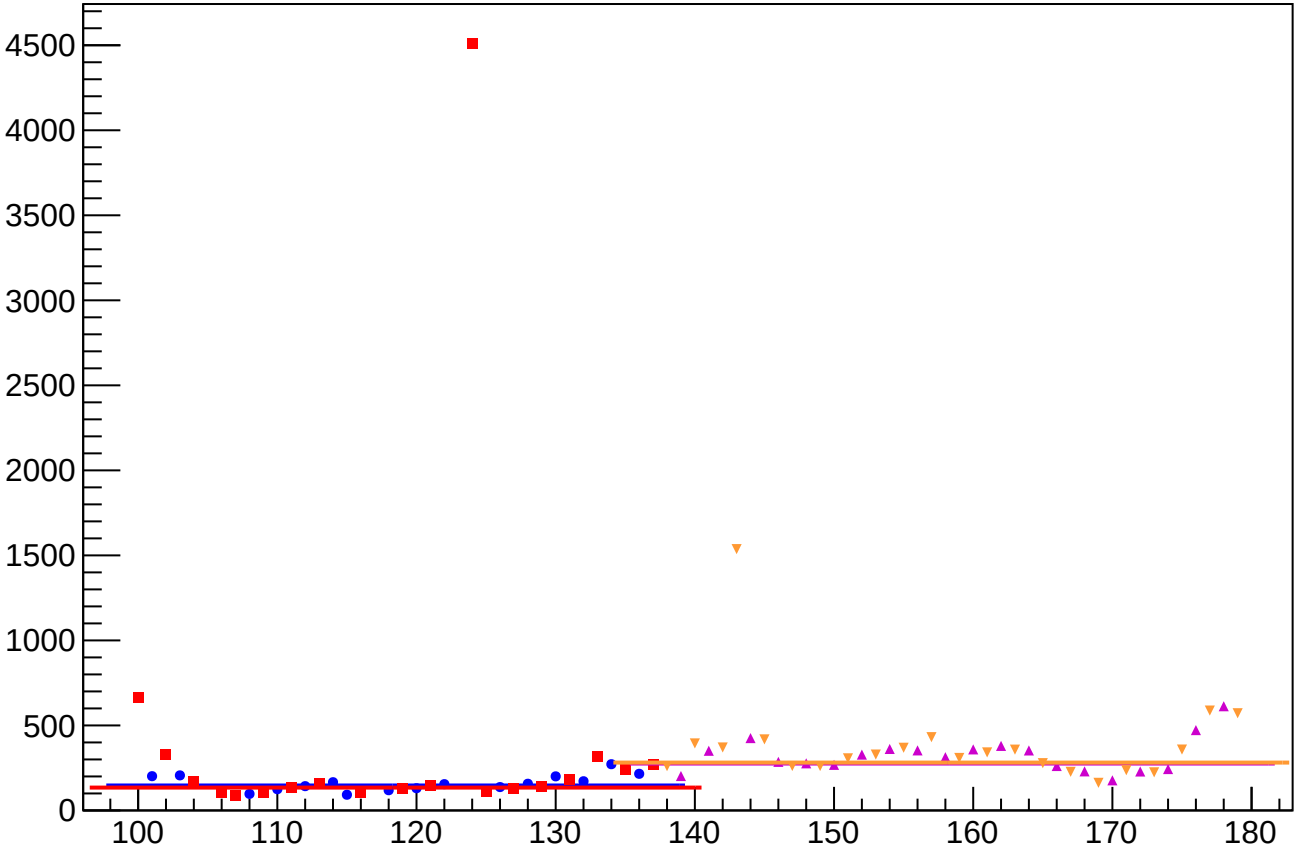
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

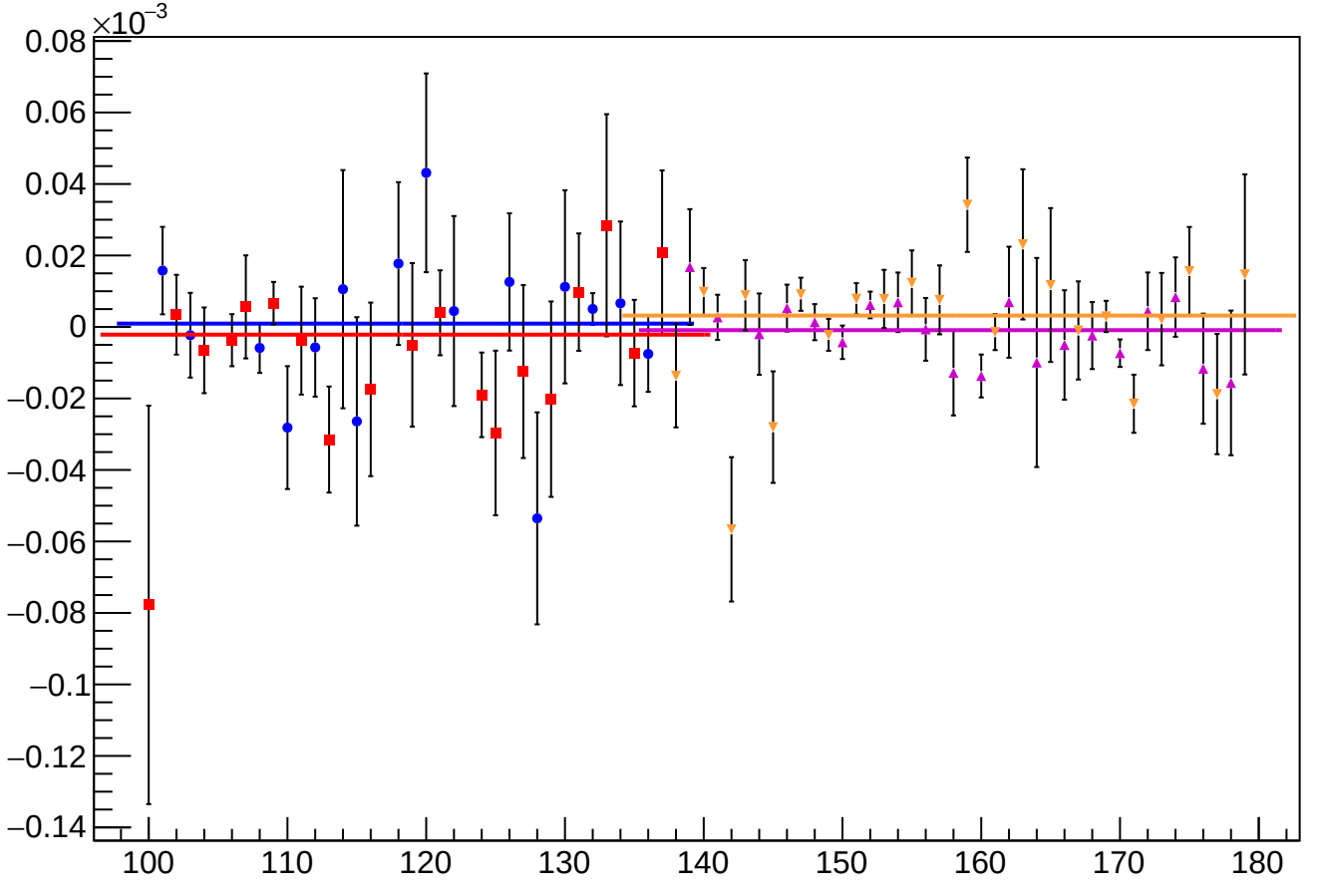
Left: 278.646+/-0.036 χ^2/NDF: 6290941.7/41

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/19

Left: 0.000+/-0.000 χ^2/NDF: 62.4/41

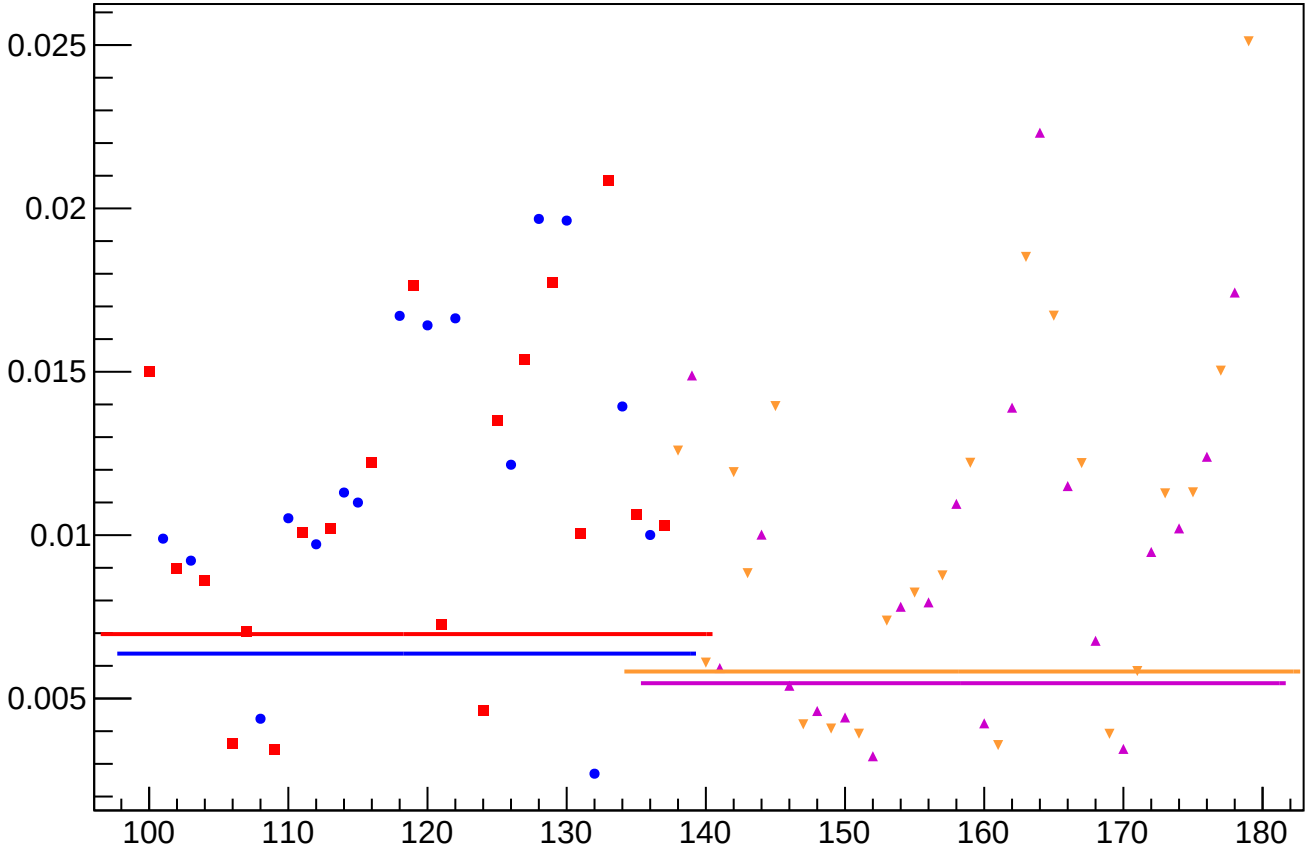
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:33.5/35

Out: 0.000+/-0.000 χ^2/NDF:59.4/40

All: 0.000+/-0.000 χ^2/NDF: 94.3/76

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

Left: 0.006+/-0.000 χ^2/NDF: 14549497.1/41

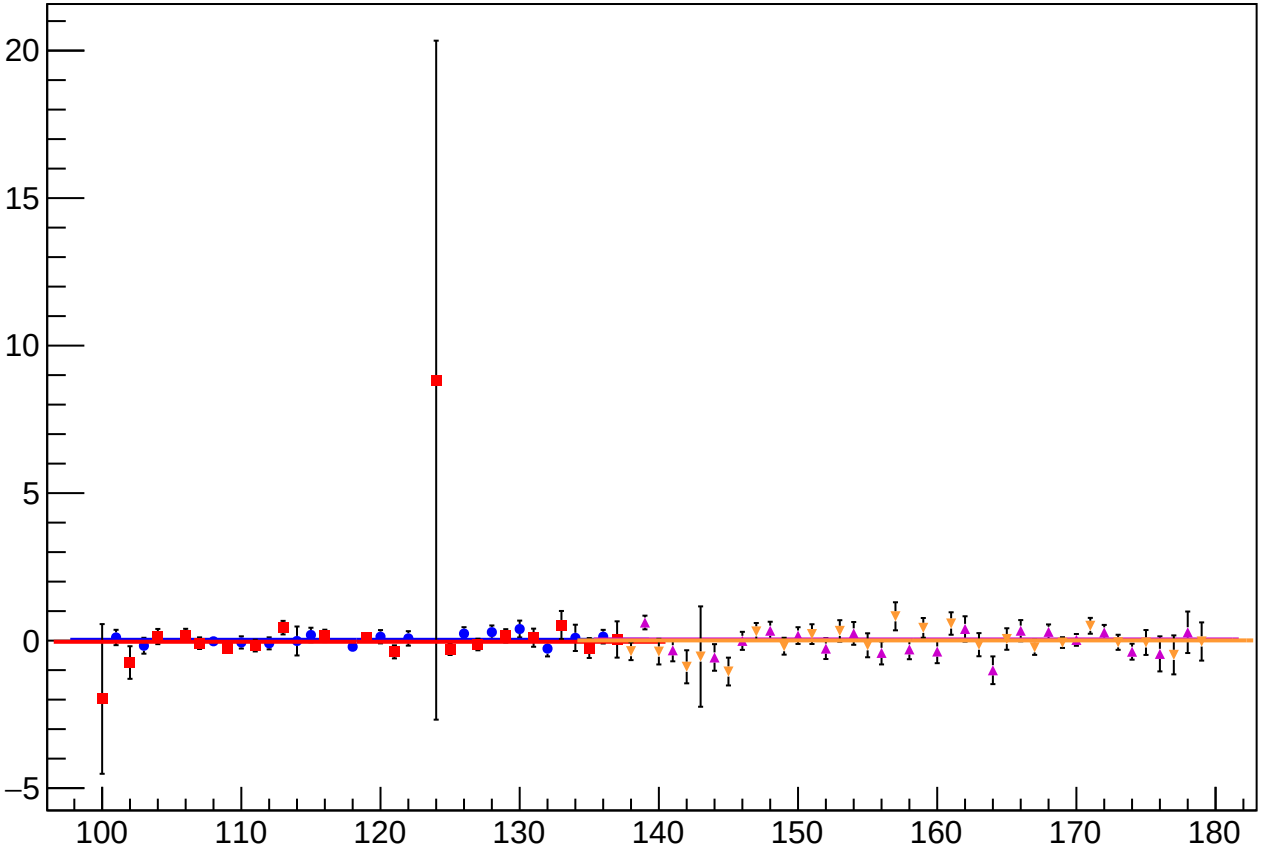
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11382330.1/35

Out: 0.006+/-0.000 χ^2/NDF:11538291.0/40

All: 0.006+/-0.000 χ^2/NDF: 23004185.0/76

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

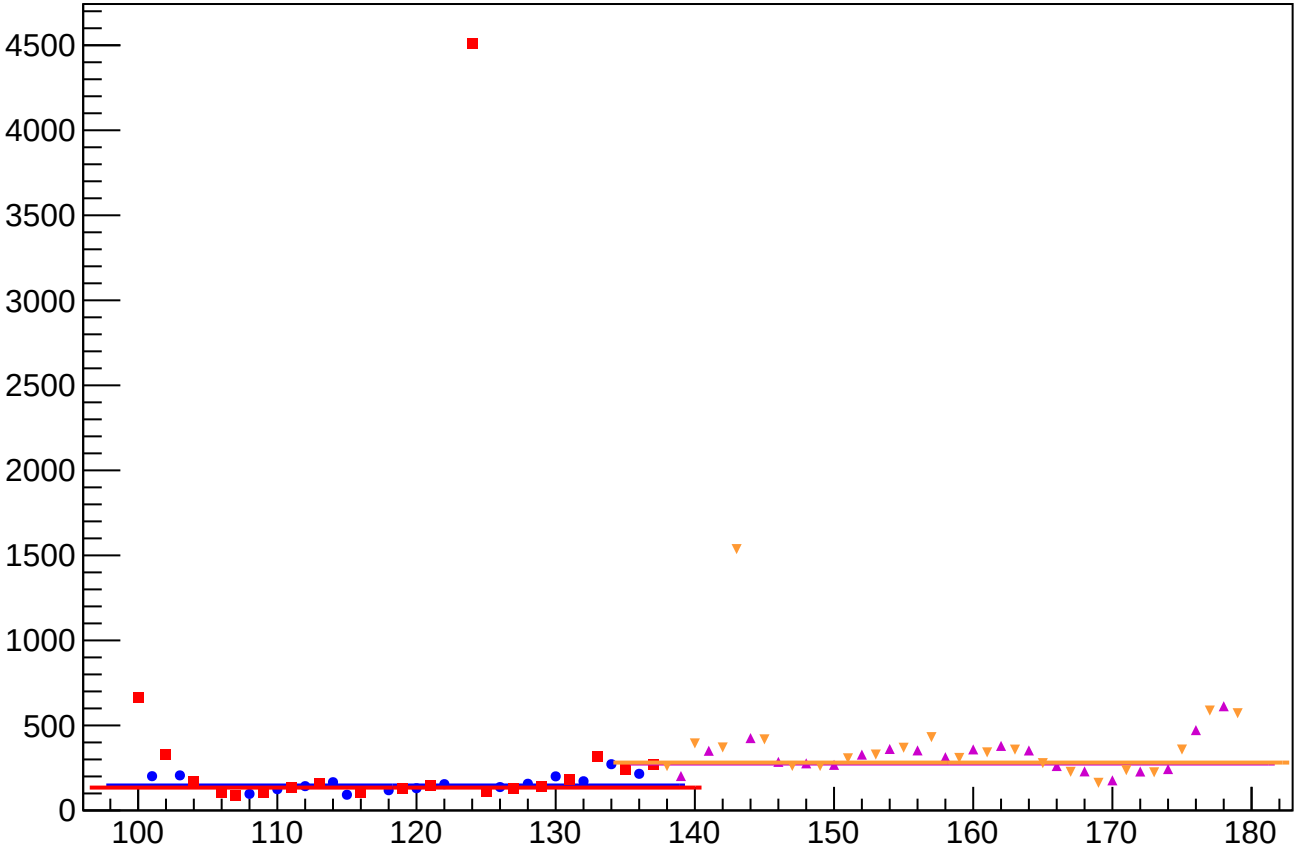
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

Left: 278.647+/-0.036 χ^2/NDF: 6291208.7/41

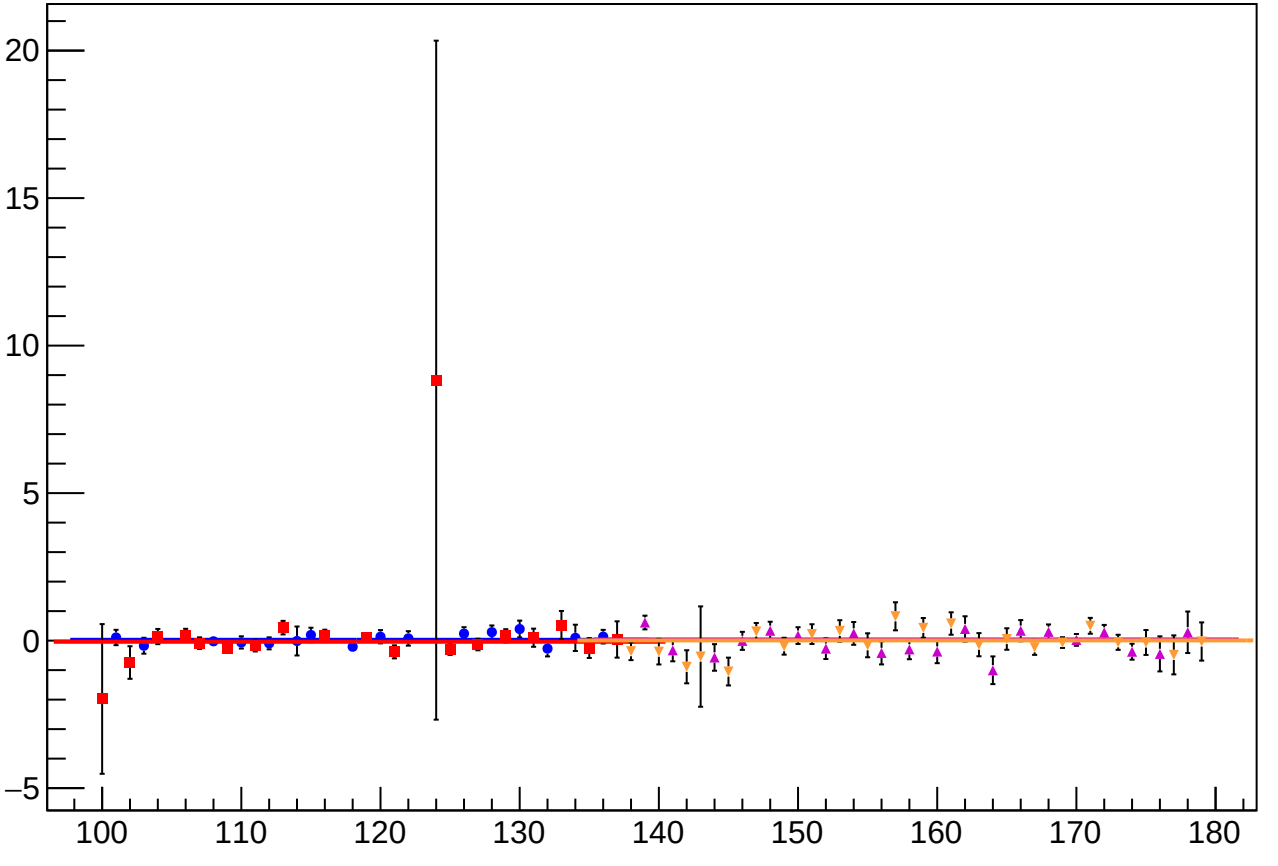
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

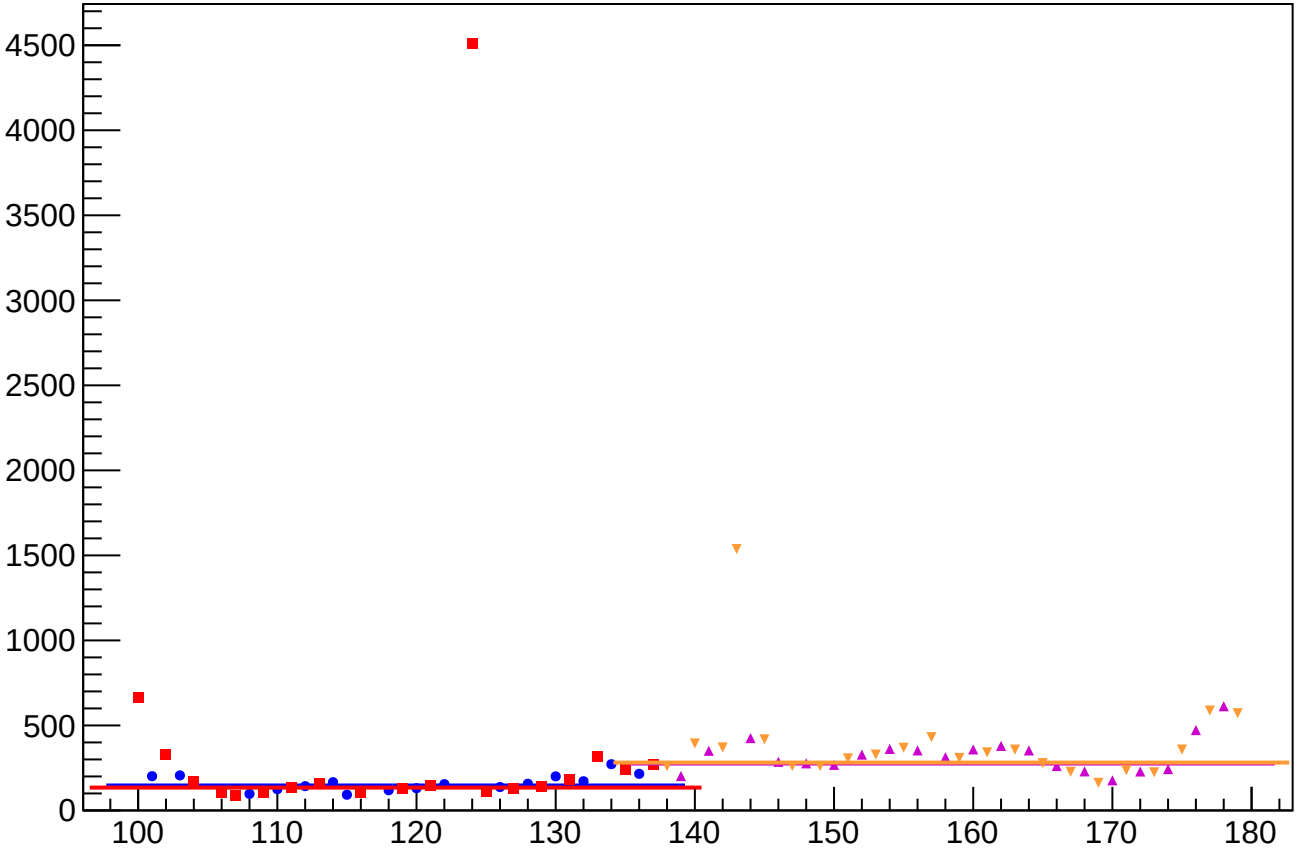
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

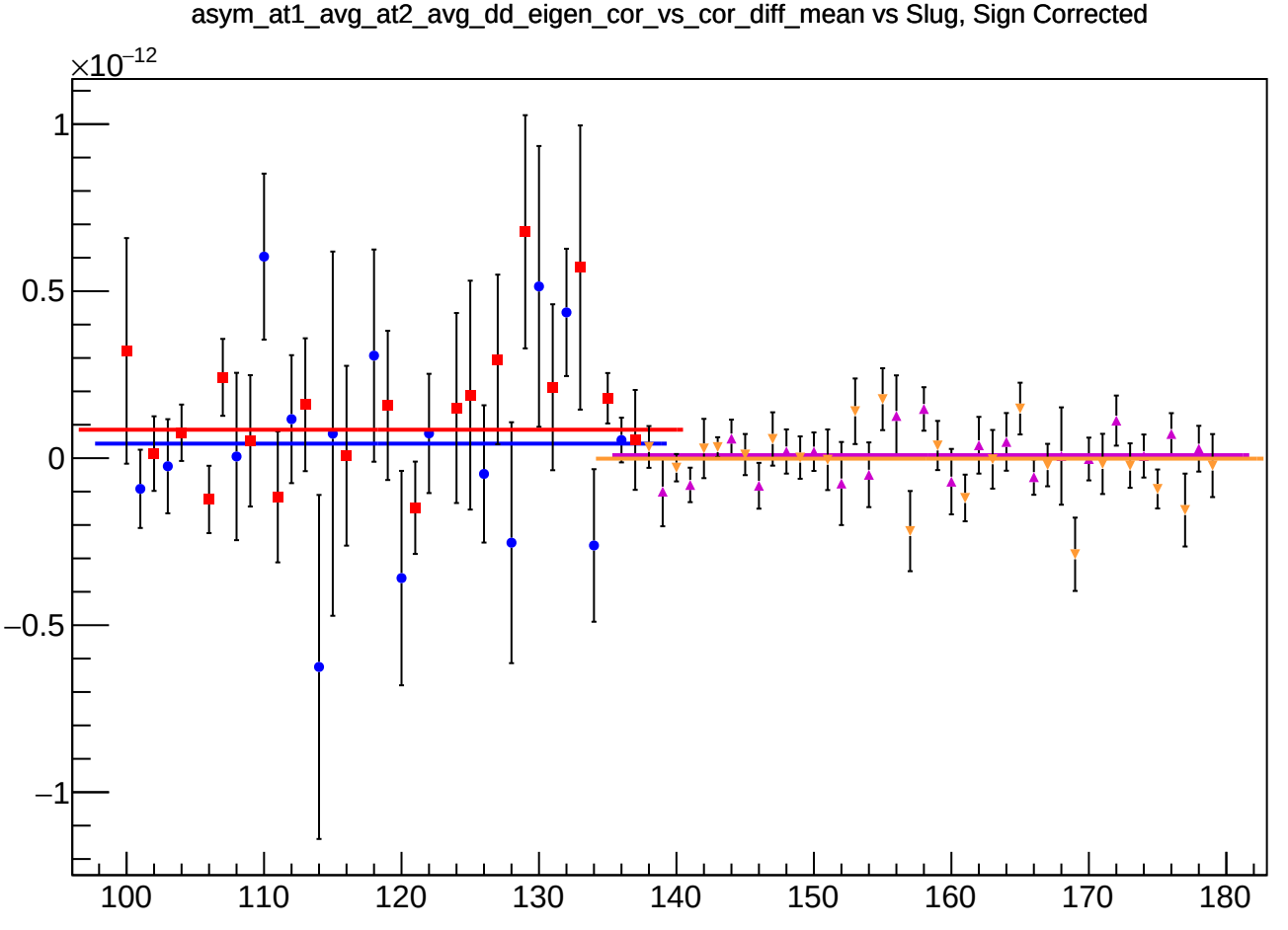
Left: 278.647+/-0.036 χ^2/NDF: 6291208.7/41

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/19

Left: 0.000+/-0.000 χ^2/NDF: 49.0/41

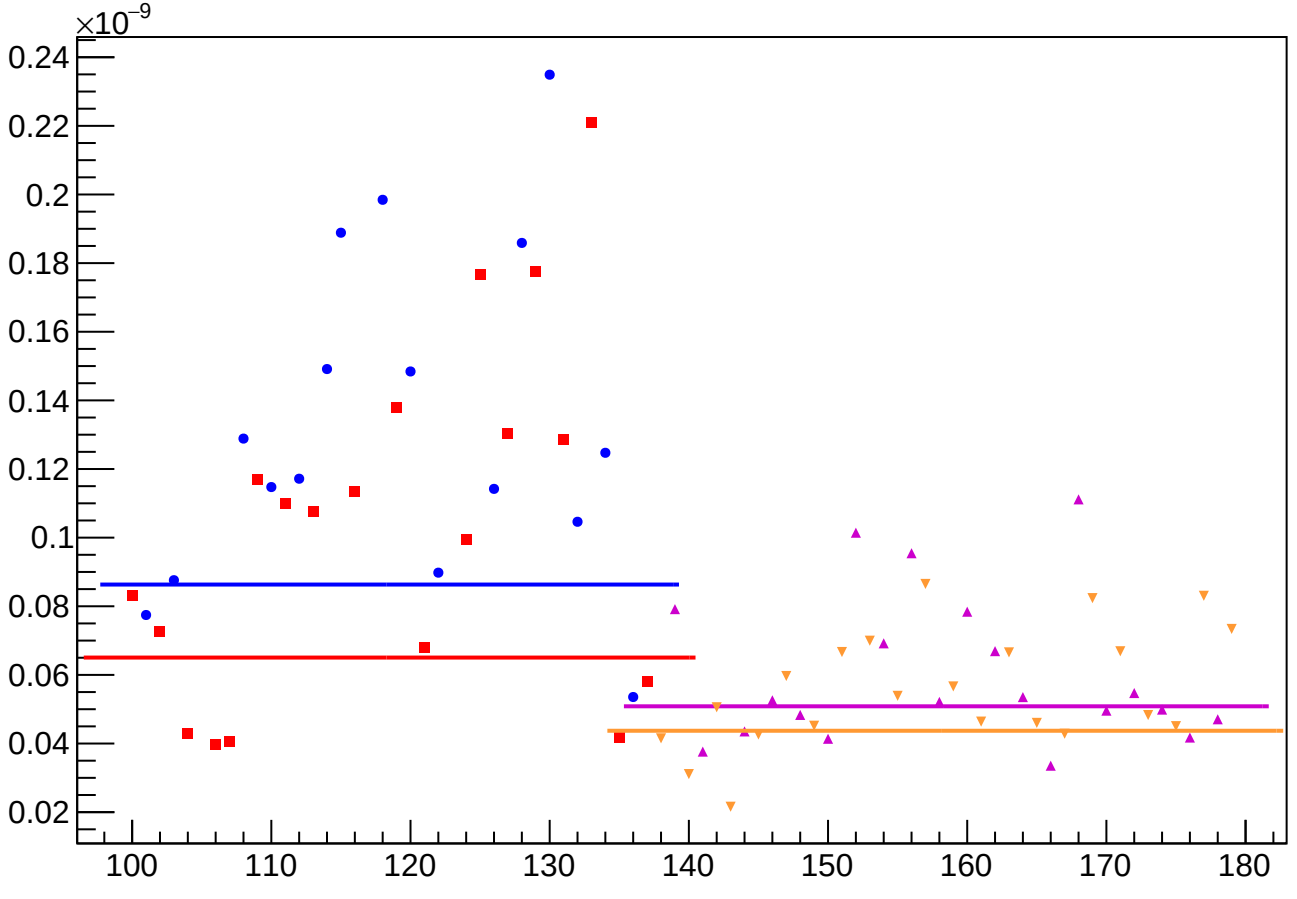
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:53.9/40

All: 0.000+/-0.000 χ^2/NDF: 92.0/76

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

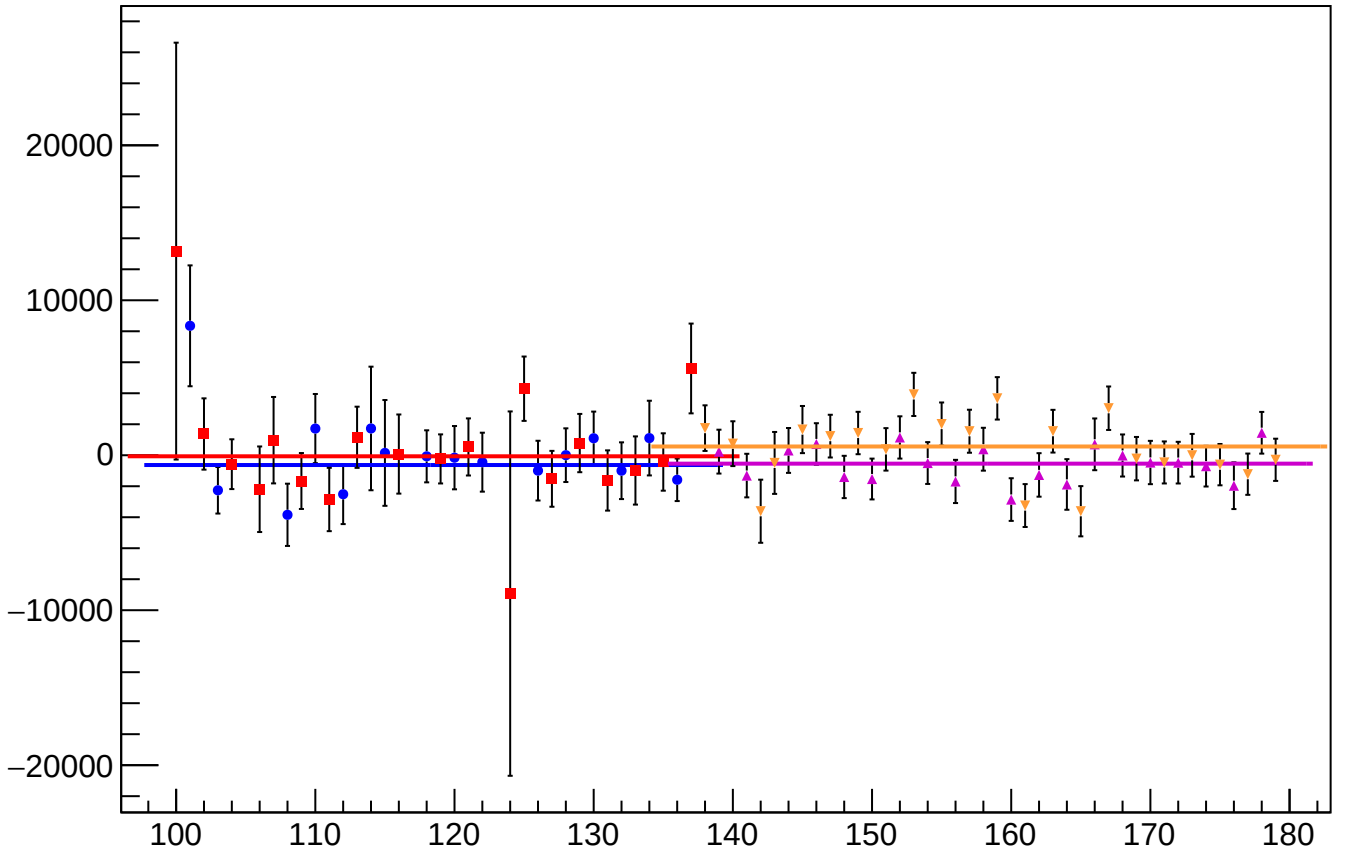
Left: 0.000+/-0.000 χ^2/NDF: 5114414.3/41

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4664067.6/35

Out: 0.000+/-0.000 χ^2/NDF:5824478.2/40

All: 0.000+/-0.000 χ^2/NDF: 10847106.3/76



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.856+/-305.370 χ^2/NDF:40.8/21

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -543.002+/-312.722 χ^2/NDF:13.1/19

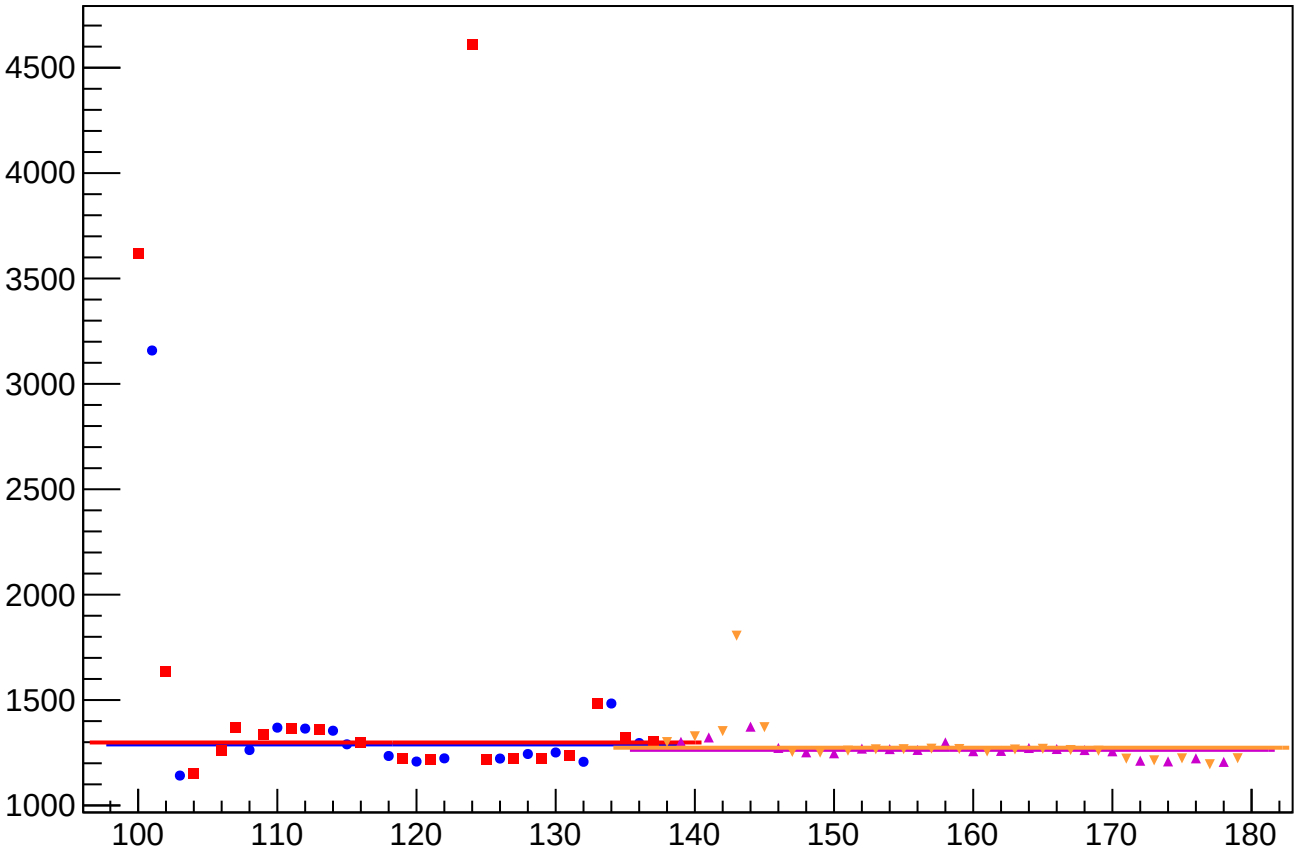
Left: 24.102+/-218.482 χ^2/NDF: 60.3/41

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -568.582+/-263.402 χ^2/NDF:27.0/35

Out: 386.752+/-258.829 χ^2/NDF:57.8/40

All: -82.551+/-184.615 χ^2/NDF: 91.5/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

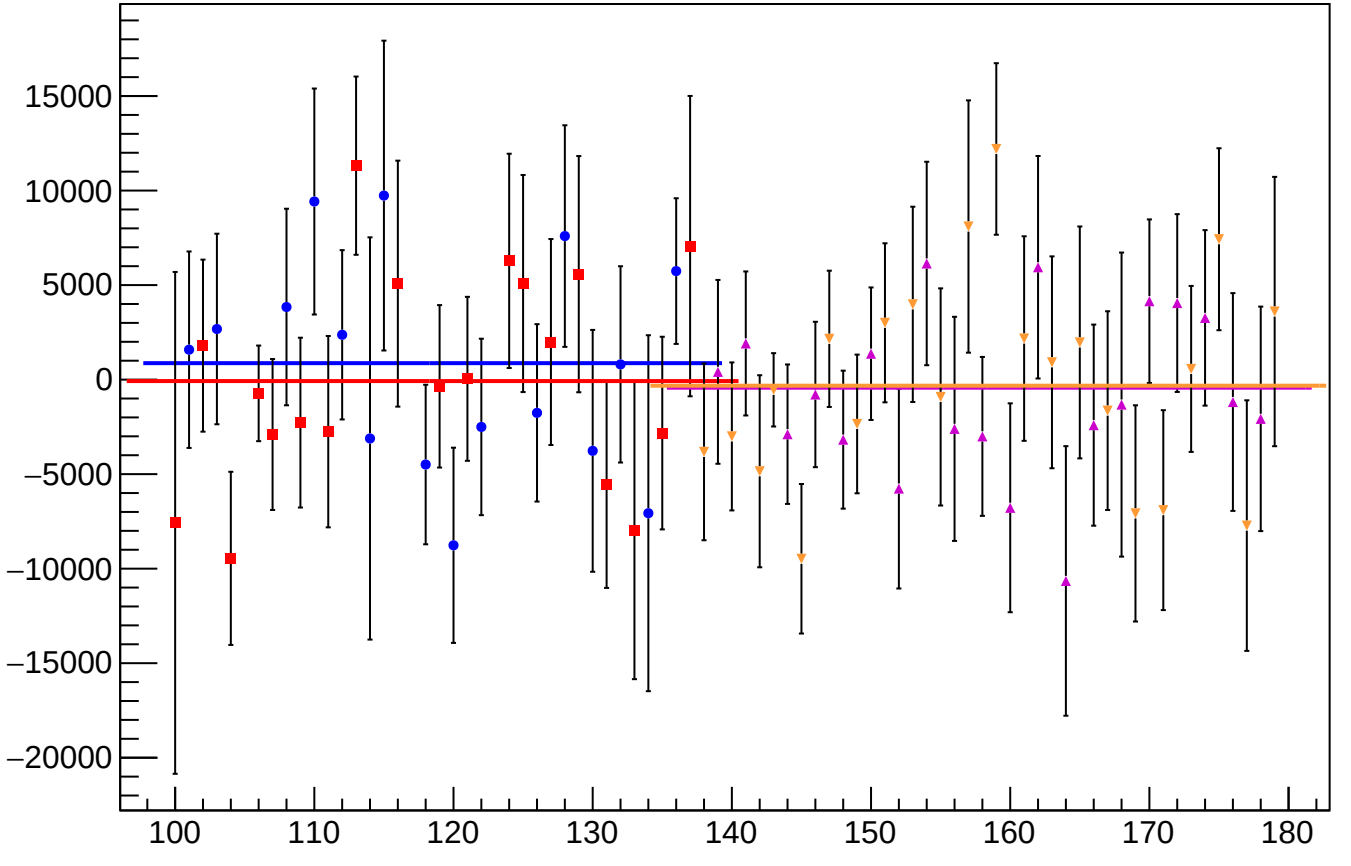
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1271.206+/-0.186 χ^2/NDF:548661.3/35

Out: 1280.850+/-0.183 χ^2/NDF:500586.1/40

All: 1276.116+/-0.130 χ^2/NDF: 1050612.2/76

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -321.877+/-928.901 χ^2/NDF:26.1/21

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -428.141+/-1054.120 χ^2/NDF:12.2/19

Left: -368.326+/-696.920 χ^2/NDF: 38.3/41

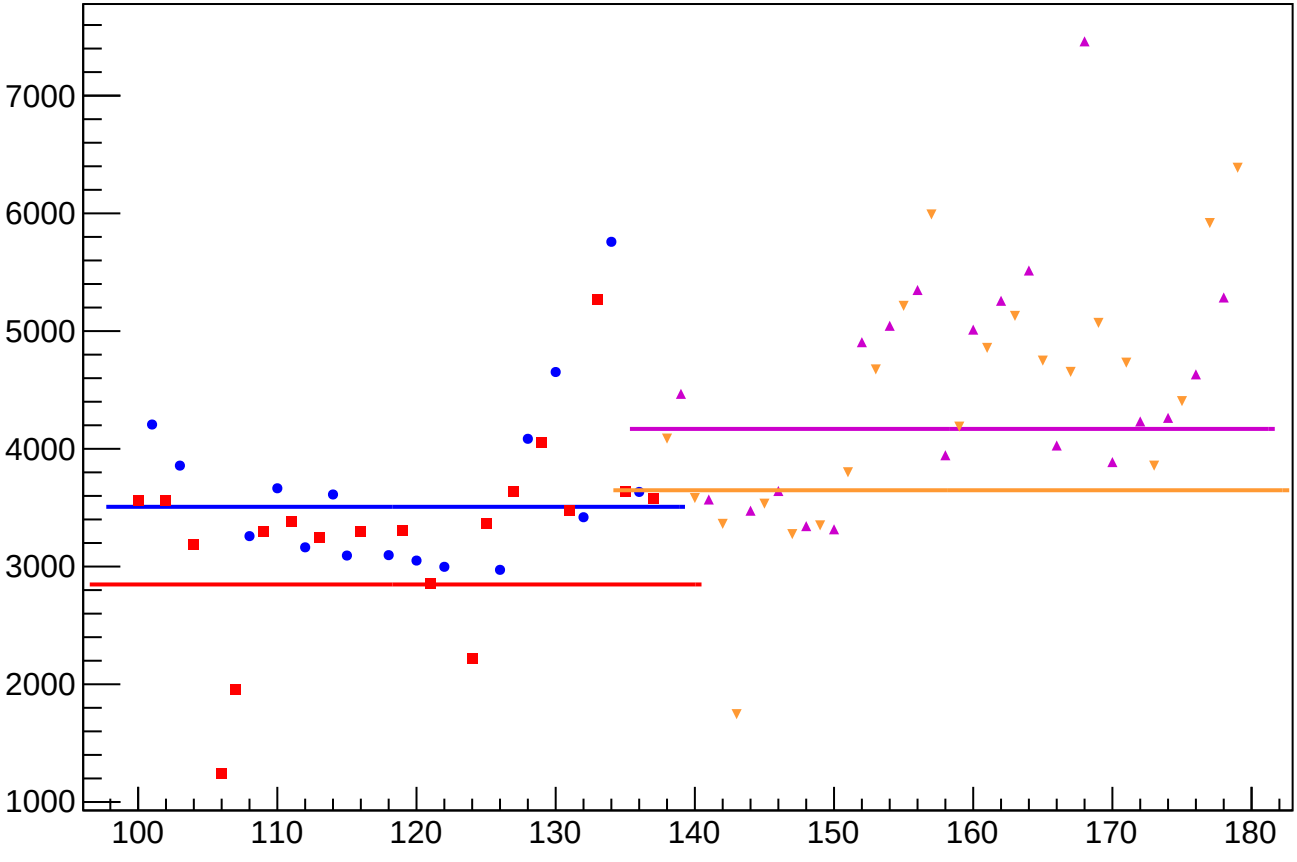
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 75.003+/-824.979 χ^2/NDF:26.8/35

Out: -221.267+/-712.652 χ^2/NDF:44.5/40

All: -94.660+/-539.297 χ^2/NDF: 71.4/76

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3648.051+/-0.657 χ^2/NDF:3658618.3/21

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

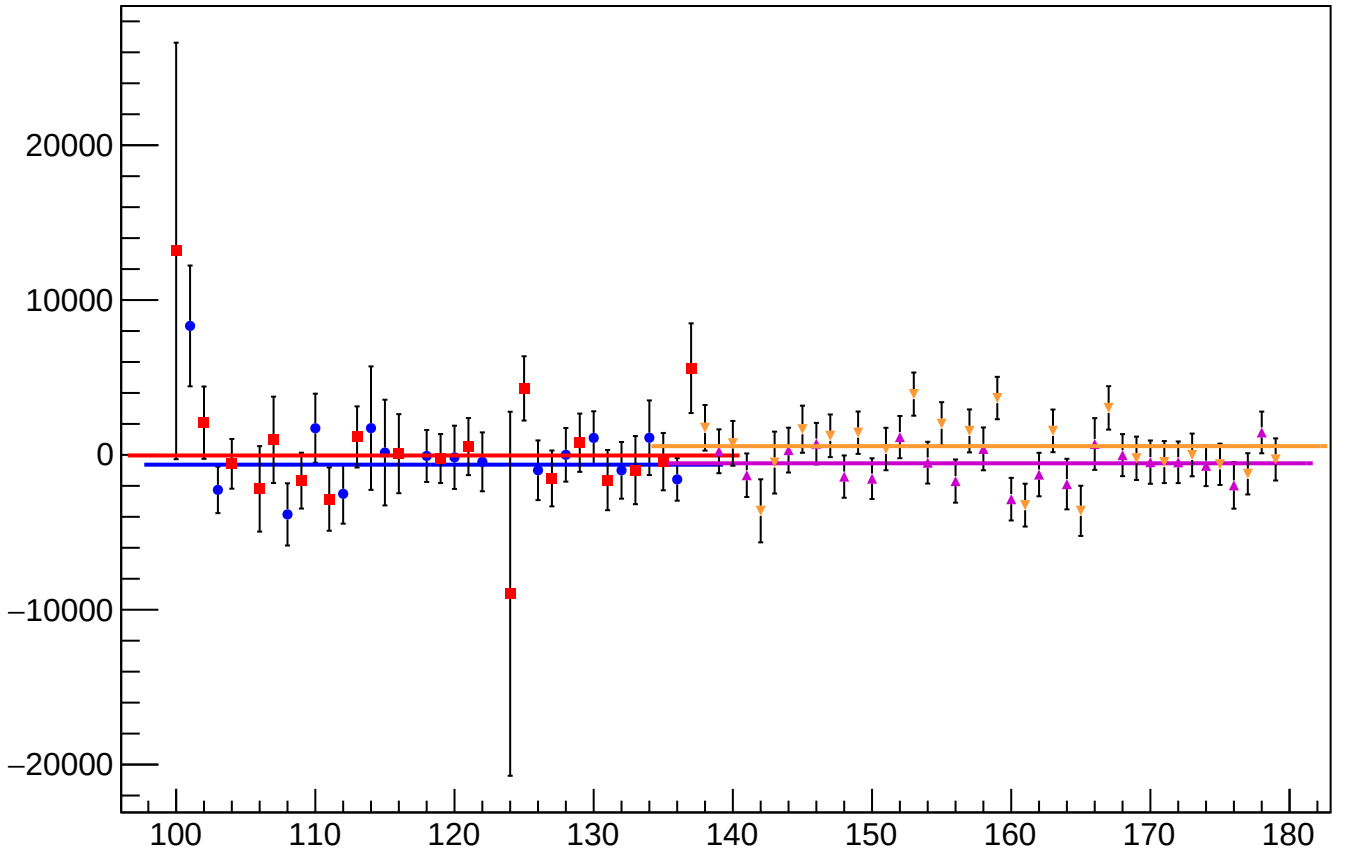
Left: 3875.826+/-0.493 χ^2/NDF: 5113048.3/41

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3912.721+/-0.583 χ^2/NDF:1838722.9/35

Out: 3318.837+/-0.504 χ^2/NDF:5768620.7/40

All: 3572.625+/-0.381 χ^2/NDF: 8200878.4/76



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -542.923+/-312.722 χ^2/NDF:13.1/19

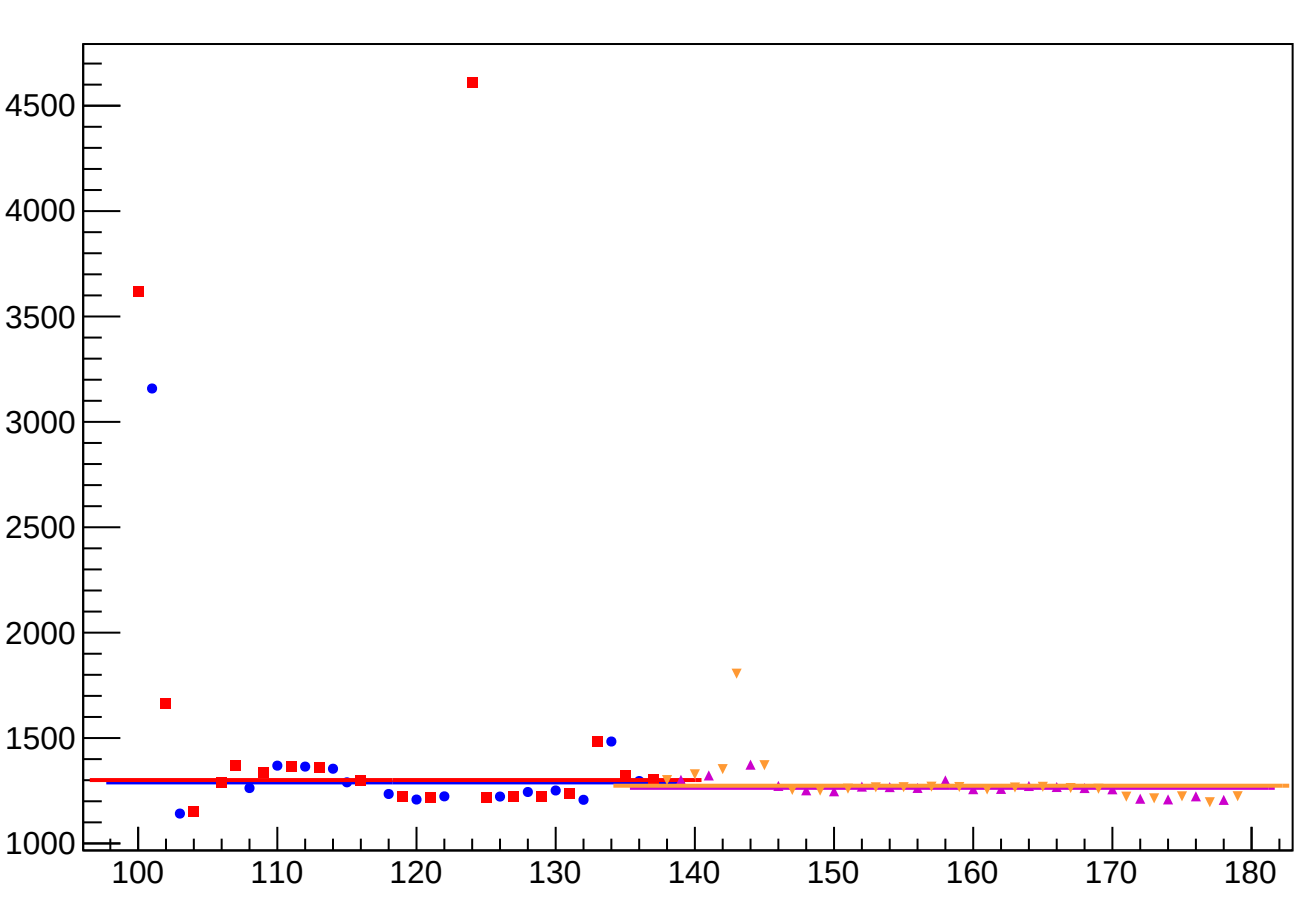
Left: 24.150+/-218.482 χ^2/NDF: 60.3/41

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -78.421+/-184.633 χ^2/NDF: 92.0/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

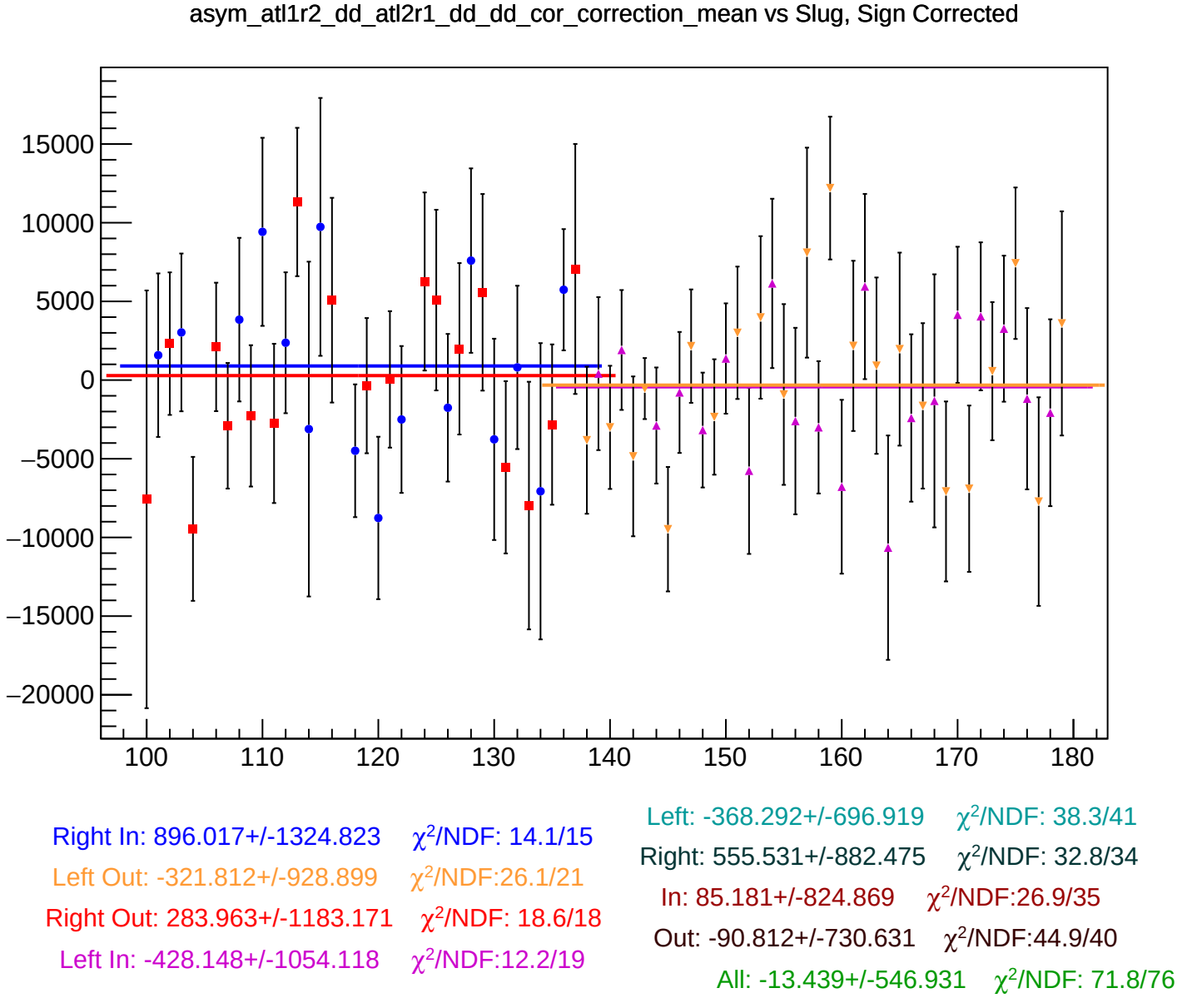
Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

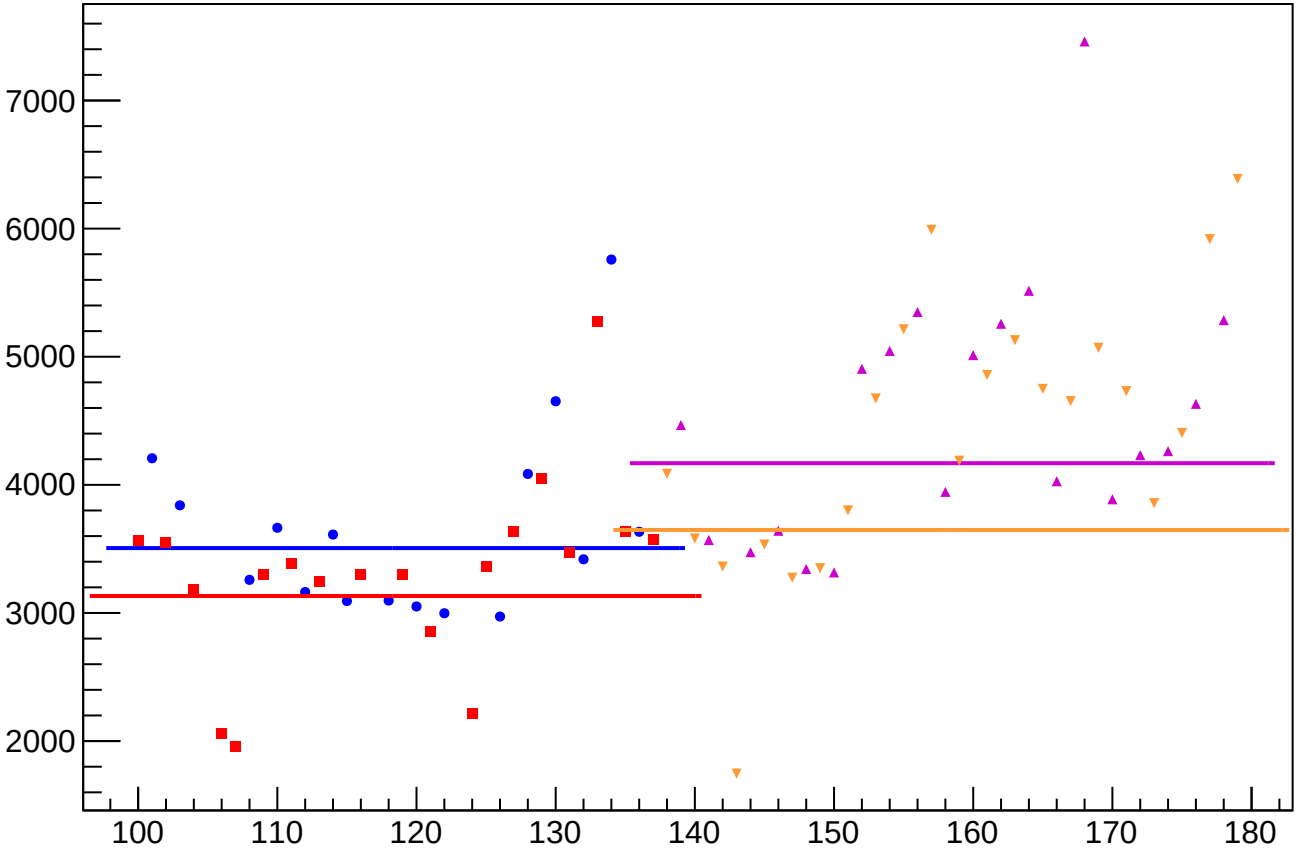
In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -321.812+/-928.899 χ²/NDF:26.1/21
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -428.148+/-1054.118 χ²/NDF:12.2/19
Left: -368.292+/-696.919 χ²/NDF: 38.3/41
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 85.181+/-824.869 χ²/NDF:26.9/35
Out: -90.812+/-730.631 χ²/NDF:44.9/40
All: -13.439+/-546.931 χ²/NDF: 71.8/76

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

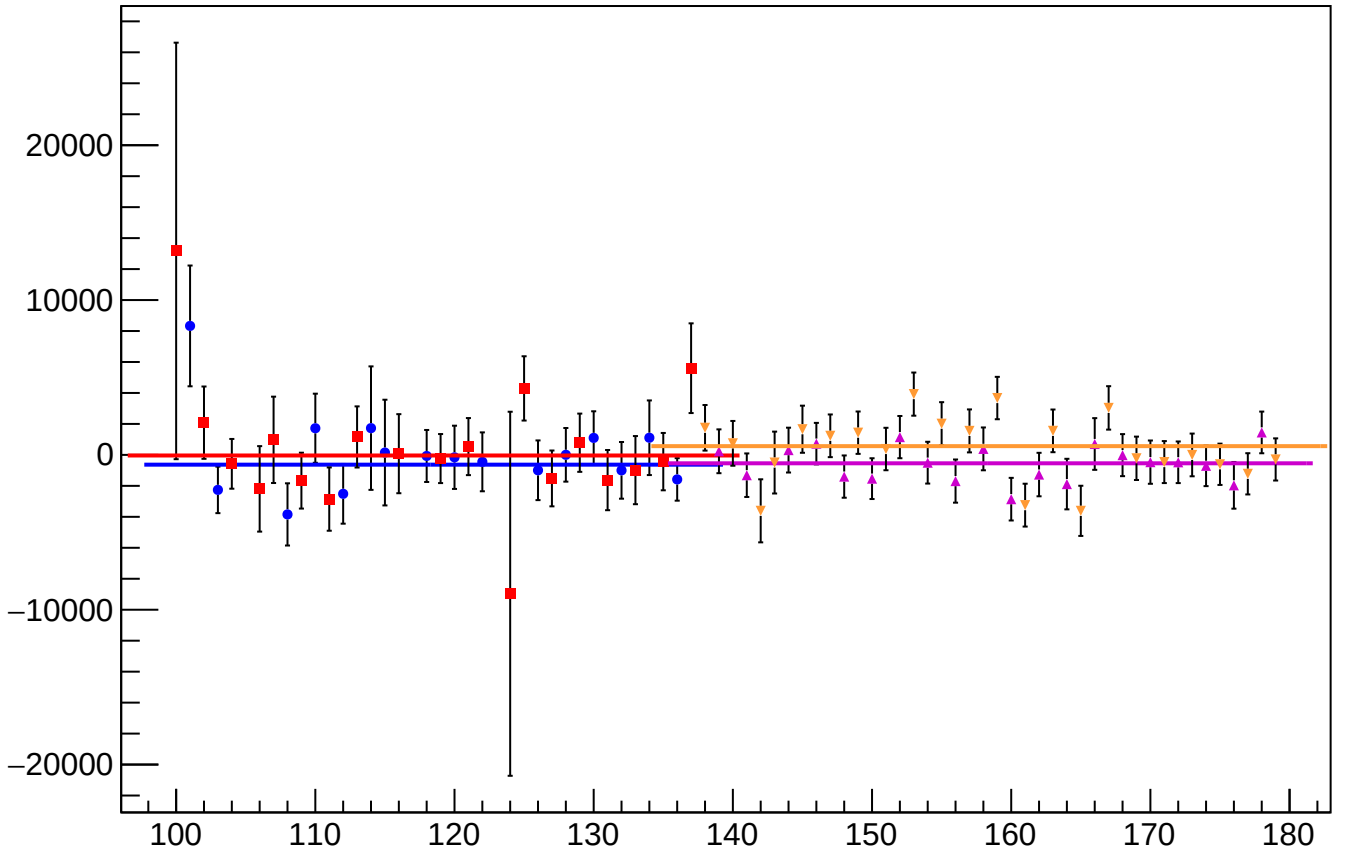
Left: 3875.818+/-0.493 χ^2/NDF: 5113088.7/41

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 564.875+/-305.370 χ^2/NDF:40.8/21

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -542.923+/-312.722 χ^2/NDF:13.1/19

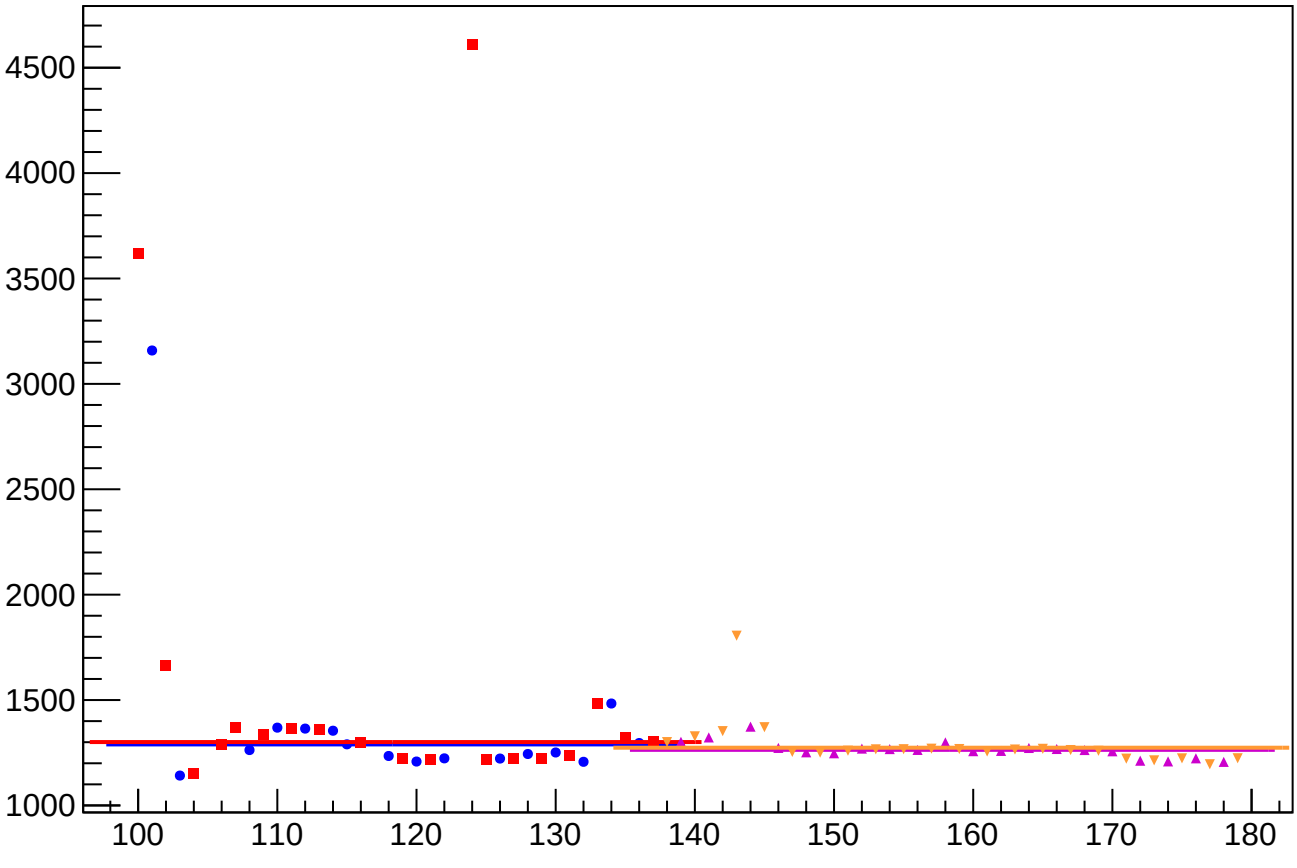
Left: 24.150+/-218.482 χ^2/NDF: 60.3/41

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 395.099+/-258.878 χ^2/NDF:58.2/40

All: -78.421+/-184.633 χ^2/NDF: 92.0/76



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1273.834+/-0.216 χ^2/NDF:177476.2/21

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1263.728+/-0.221 χ^2/NDF:30050.0/19

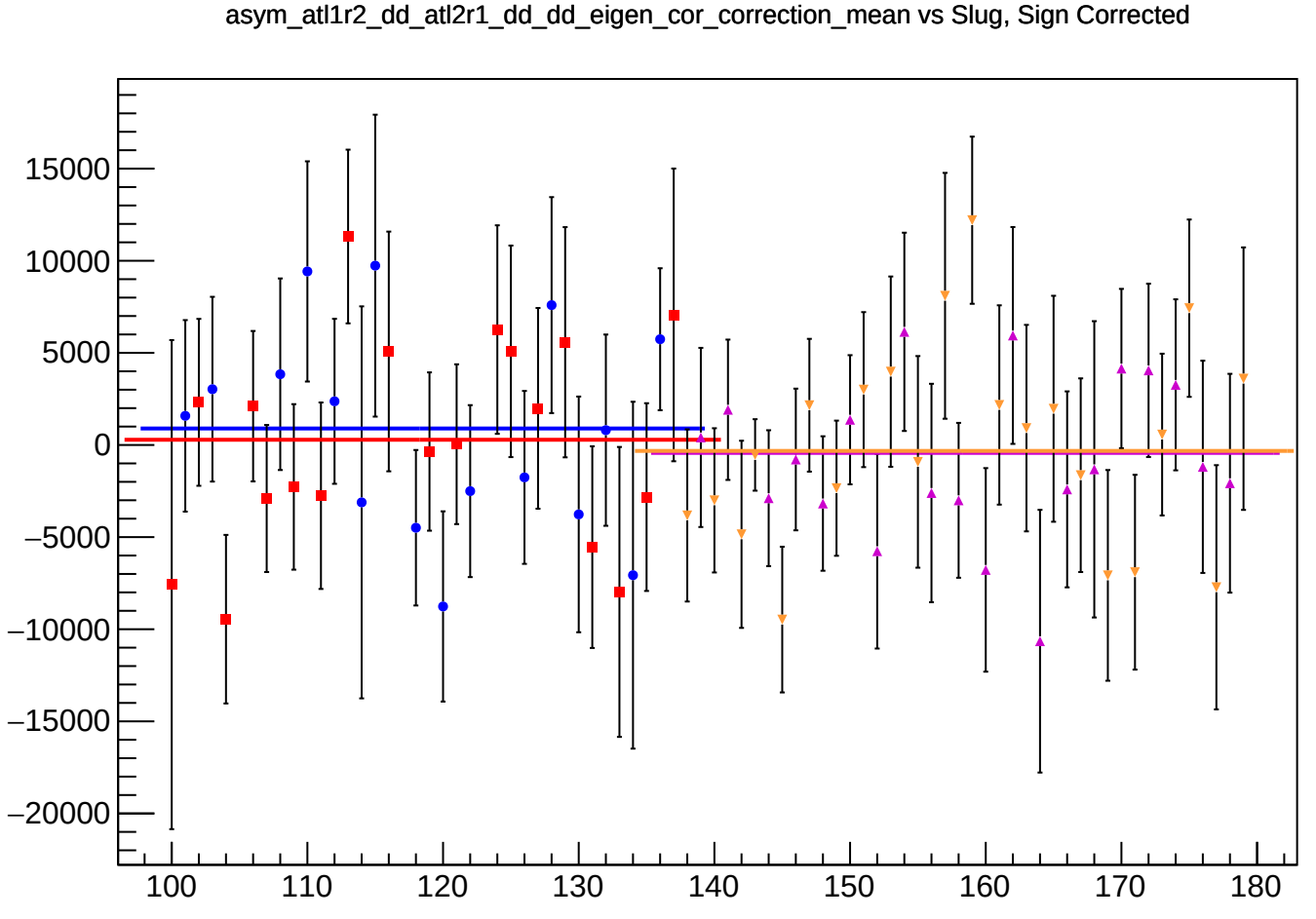
Left: 1268.901+/-0.154 χ^2/NDF: 208595.3/41

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1281.407+/-0.183 χ^2/NDF:507745.3/40

All: 1276.398+/-0.131 χ^2/NDF: 1057934.7/76



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -321.812+/-928.899 χ^2/NDF:26.1/21

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -428.148+/-1054.118 χ^2/NDF:12.2/19

Left: -368.292+/-696.919 χ^2/NDF: 38.3/41

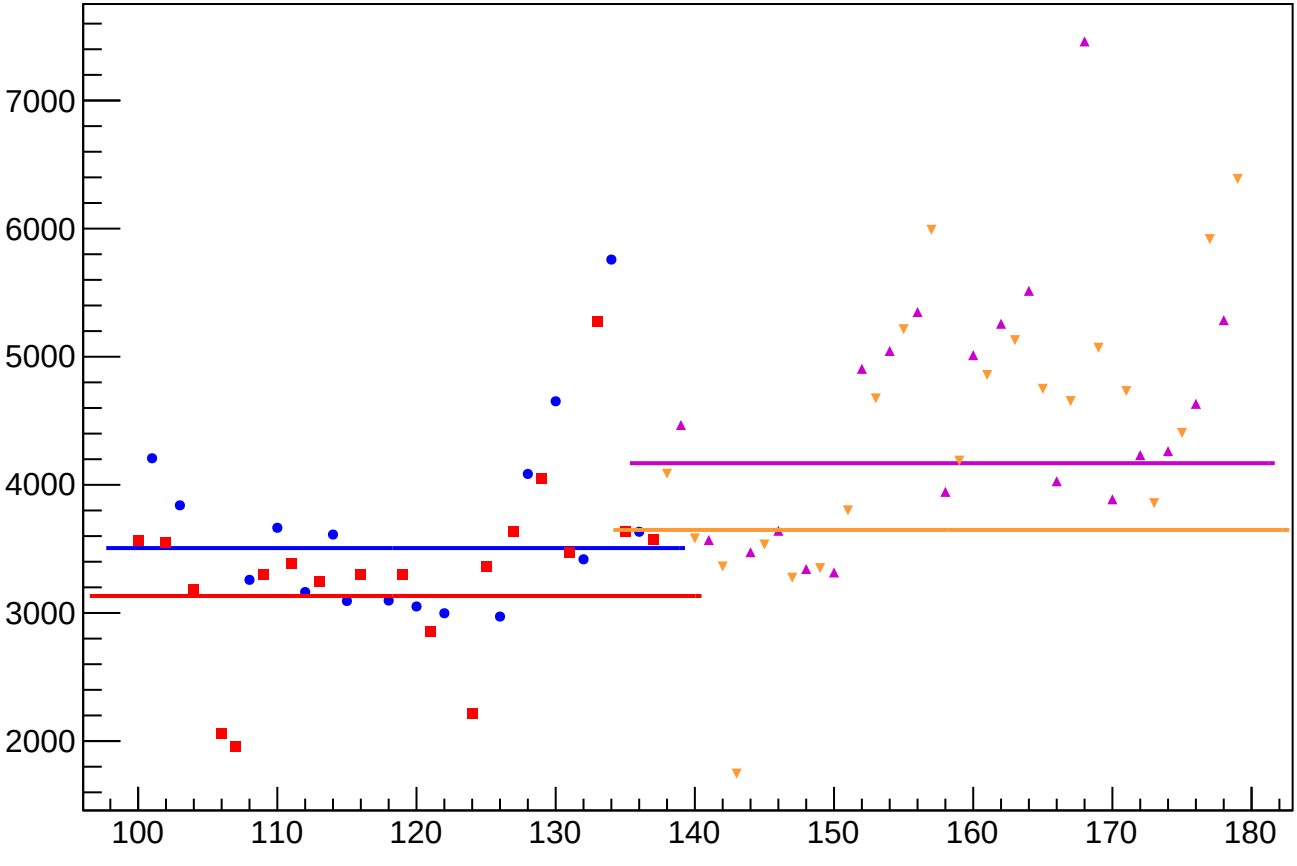
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -90.812+/-730.631 χ^2/NDF:44.9/40

All: -13.439+/-546.931 χ^2/NDF: 71.8/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3648.042+/-0.657 χ^2/NDF:3658655.1/21

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

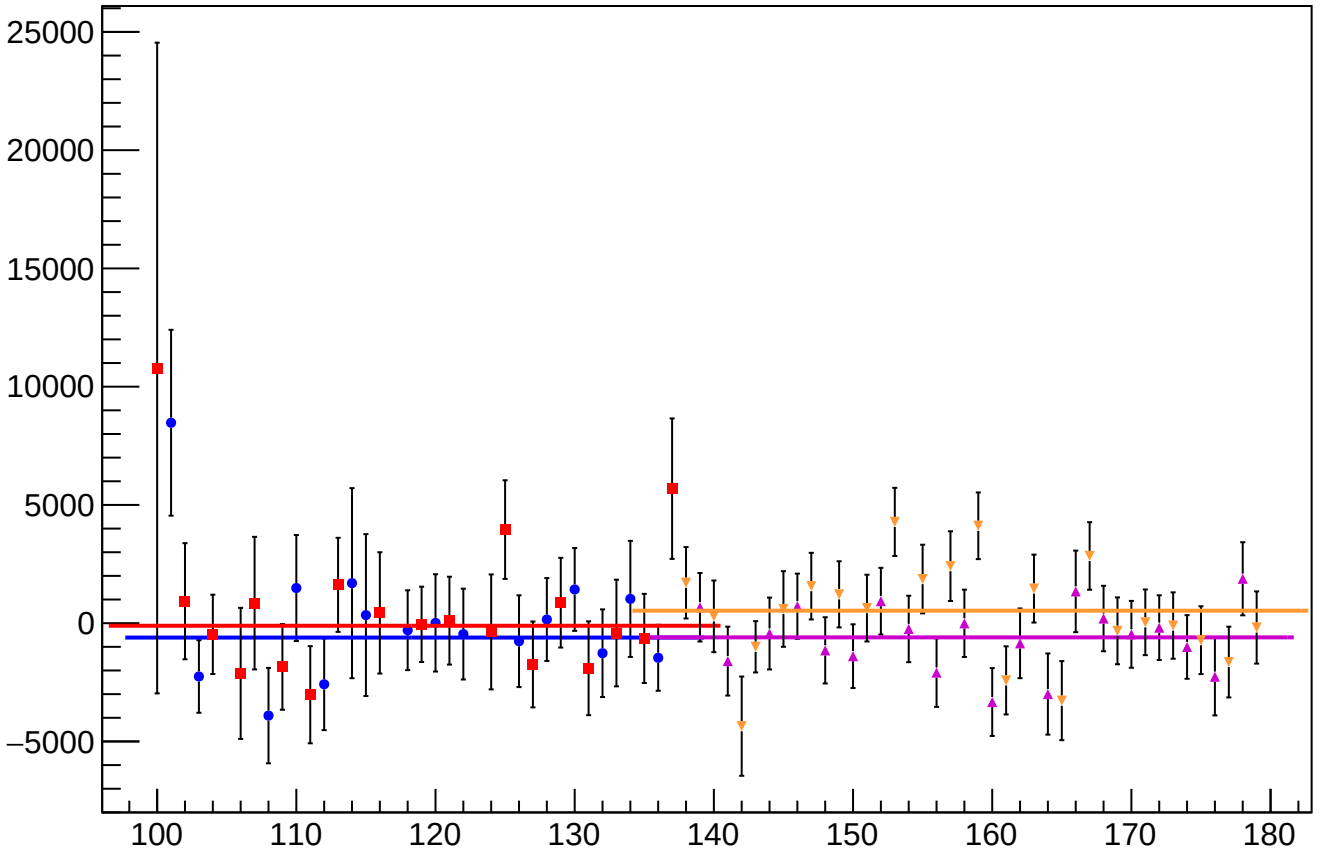
Left: 3875.818+/-0.493 χ^2/NDF: 5113088.7/41

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3451.483+/-0.517 χ^2/NDF:4543108.5/40

All: 3654.056+/-0.387 χ^2/NDF: 6731761.9/76



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.653+/-308.820 χ^2/NDF:40.8/21

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -599.425+/-324.930 χ^2/NDF:16.2/19

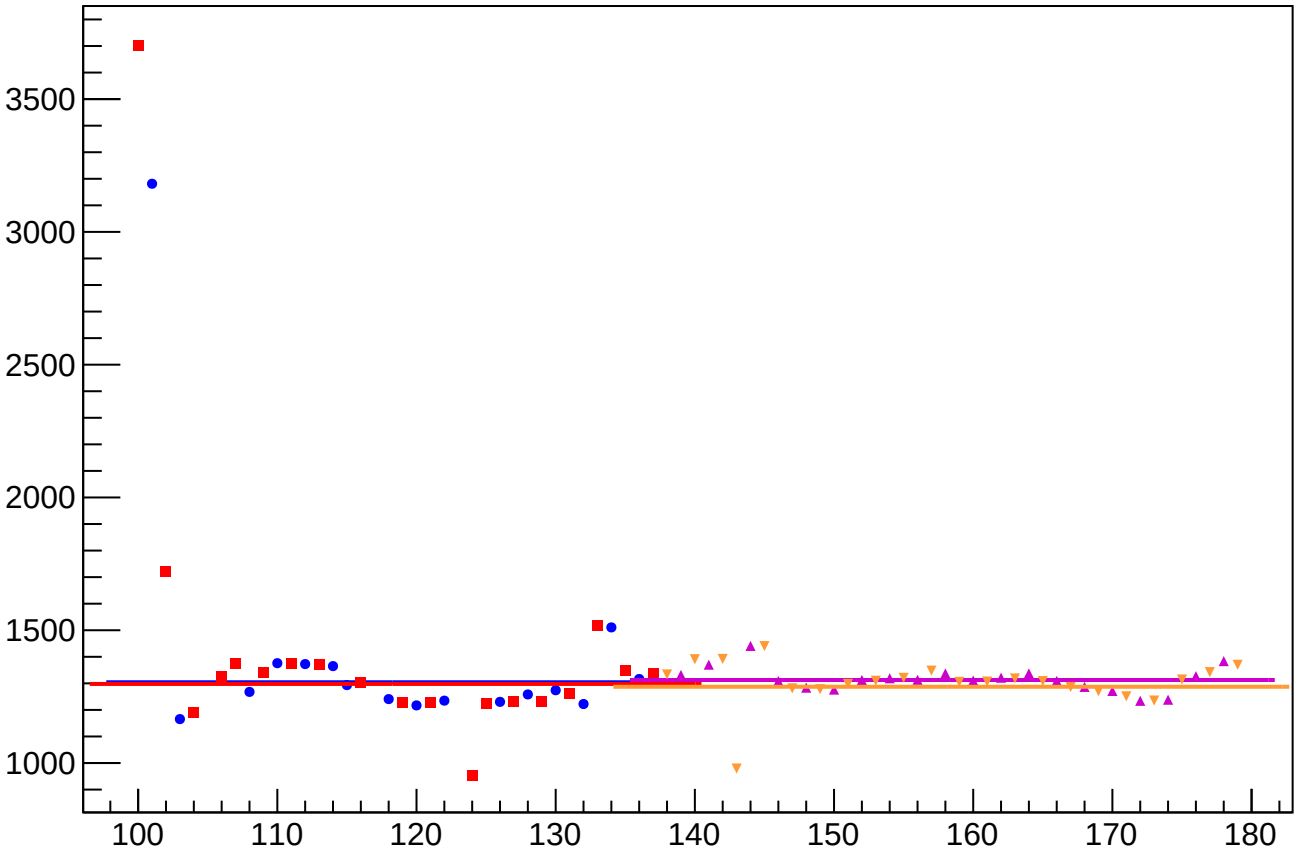
Left: -6.730+/-223.847 χ^2/NDF: 63.2/41

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -601.963+/-271.500 χ^2/NDF:30.3/35

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -108.998+/-188.000 χ^2/NDF: 93.4/76



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1287.223+/-0.218 χ^2/NDF:216809.4/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1312.637+/-0.230 χ^2/NDF:40645.3/19

Left: 1299.284+/-0.158 χ^2/NDF: 263882.7/41

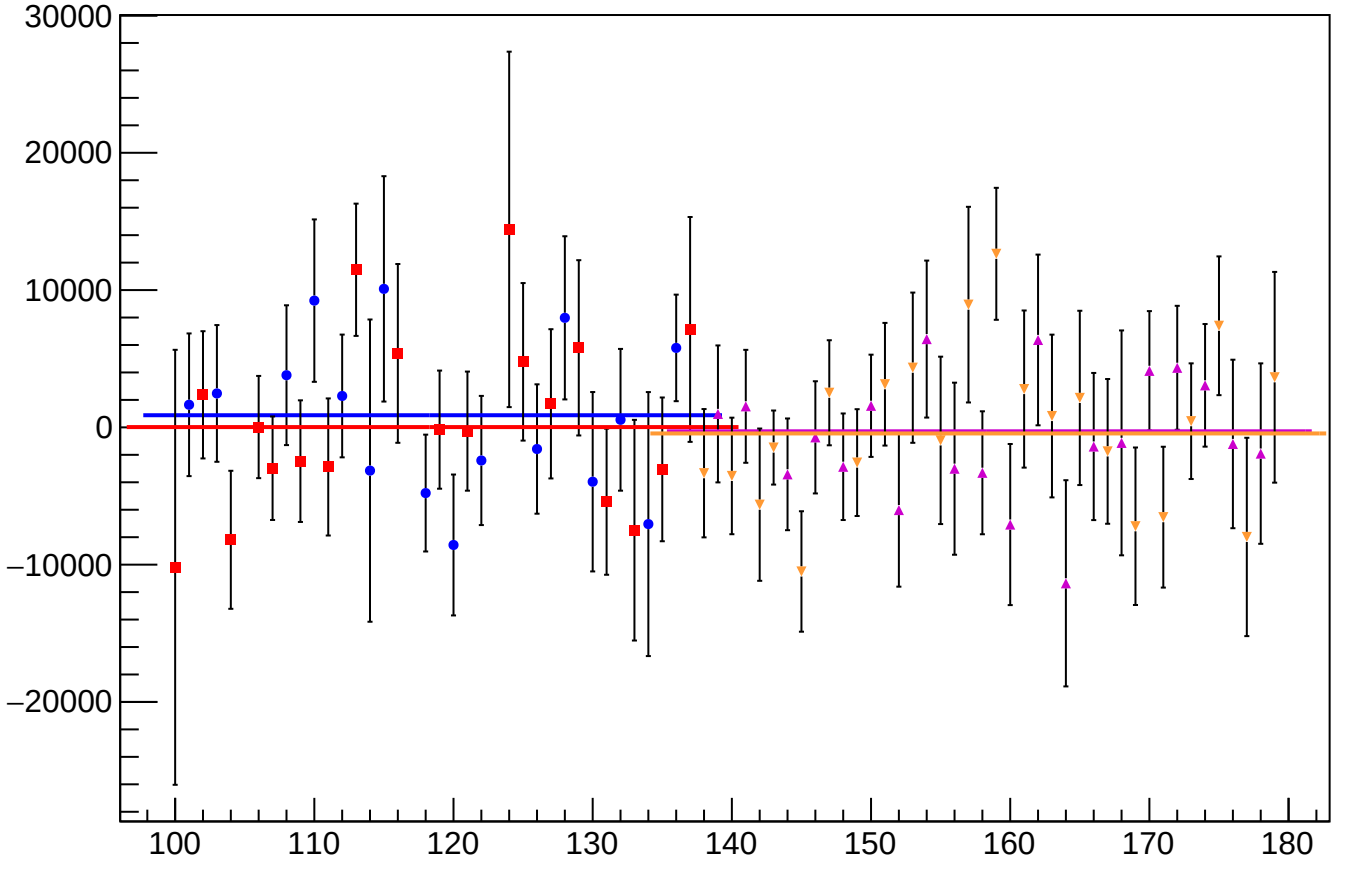
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.061+/-0.192 χ^2/NDF:551651.2/35

Out: 1290.271+/-0.184 χ^2/NDF:430582.2/40

All: 1299.758+/-0.133 χ^2/NDF: 987765.2/76

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -443.270+/-1025.523 χ^2/NDF:25.9/21

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -287.074+/-1104.132 χ^2/NDF:12.1/19

Left: -370.930+/-751.409 χ^2/NDF: 37.9/41

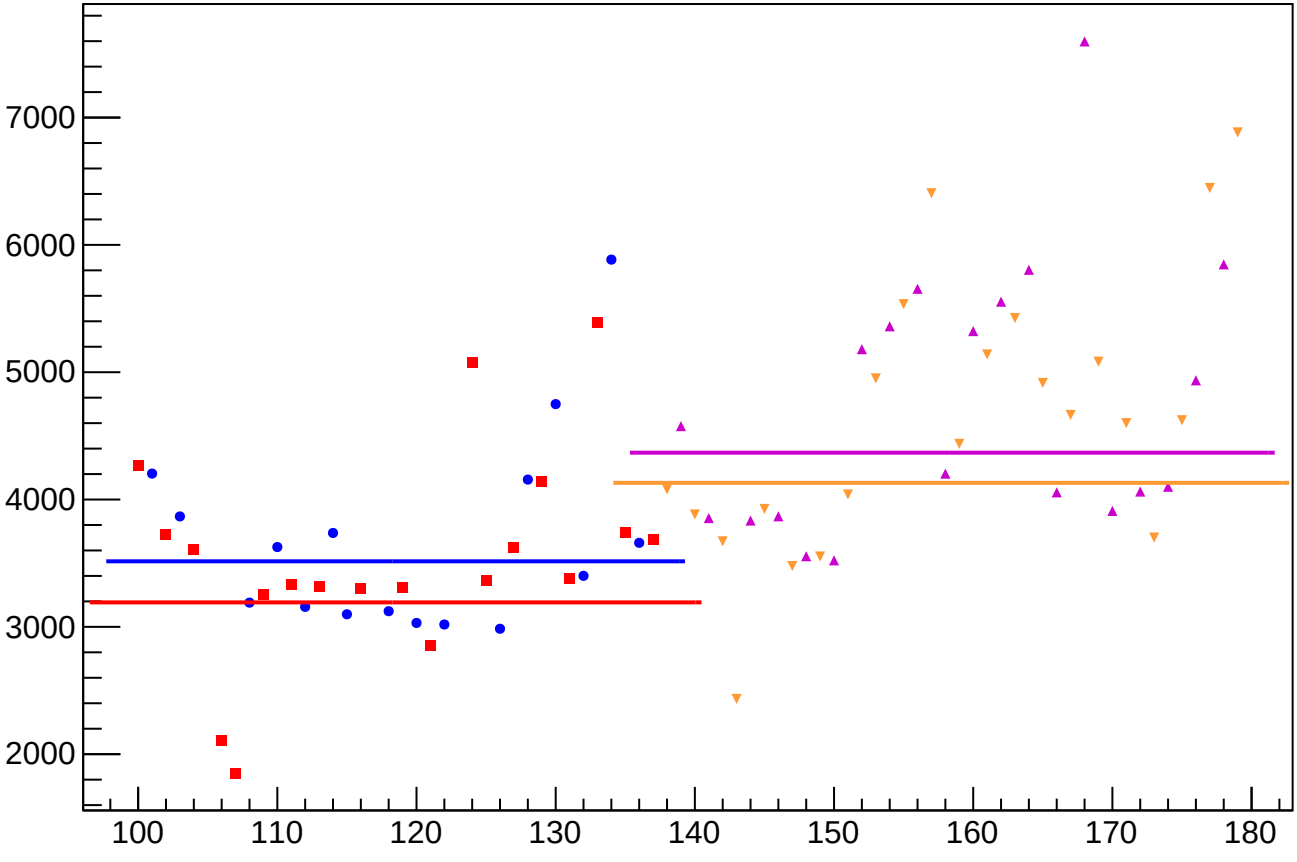
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 191.856+/-848.857 χ^2/NDF:26.6/35

Out: -247.448+/-779.617 χ^2/NDF:42.8/40

All: -46.441+/-574.193 χ^2/NDF: 69.6/76

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4131.052+/-0.725 χ^2/NDF:2065853.5/21

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

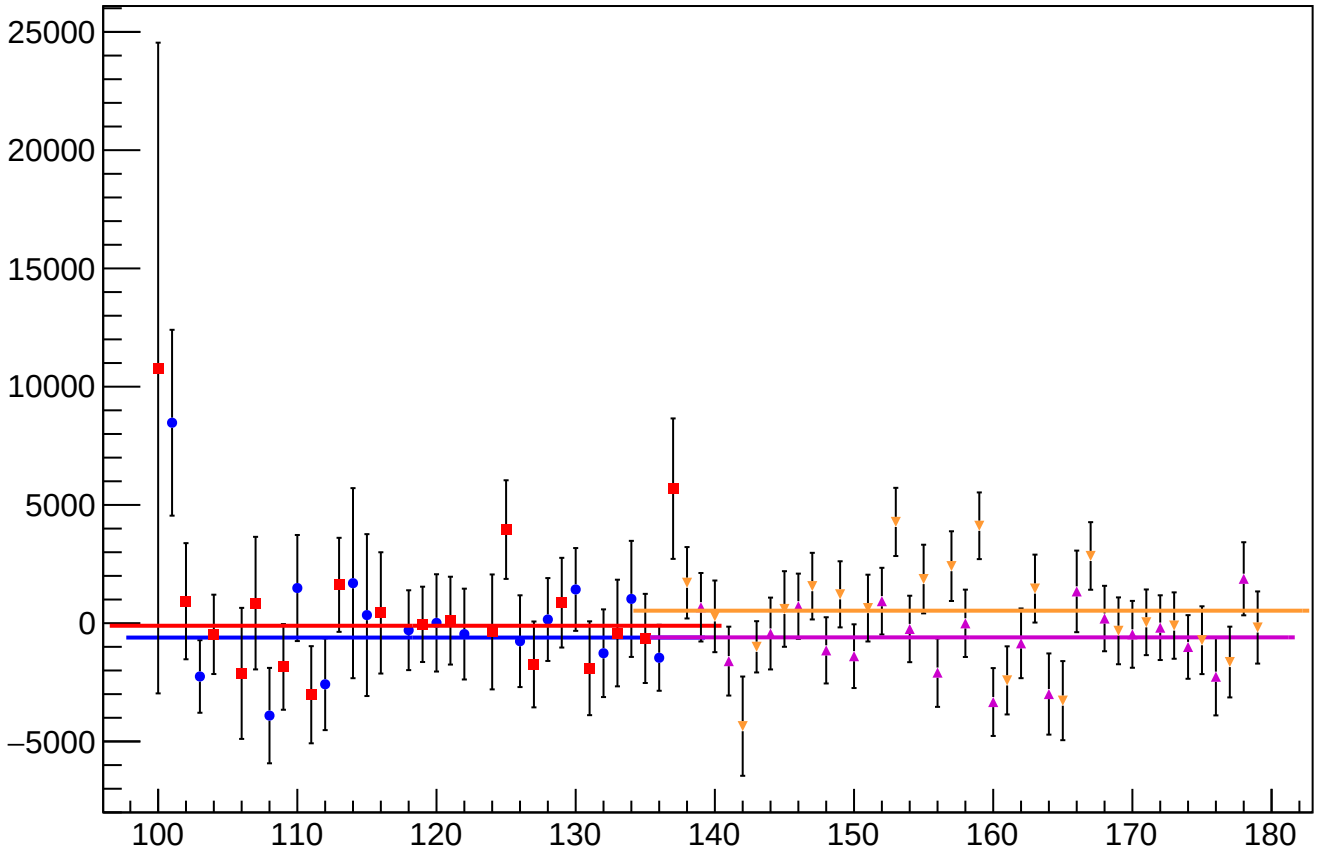
Left: 4240.736+/-0.531 χ^2/NDF: 3268501.6/41

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4018.994+/-0.600 χ^2/NDF:2016630.0/35

Out: 3734.788+/-0.551 χ^2/NDF:3545837.5/40

All: 3864.828+/-0.406 χ^2/NDF: 5684080.6/76



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 528.656+/-308.821 χ^2/NDF:40.8/21

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -599.428+/-324.930 χ^2/NDF:16.2/19

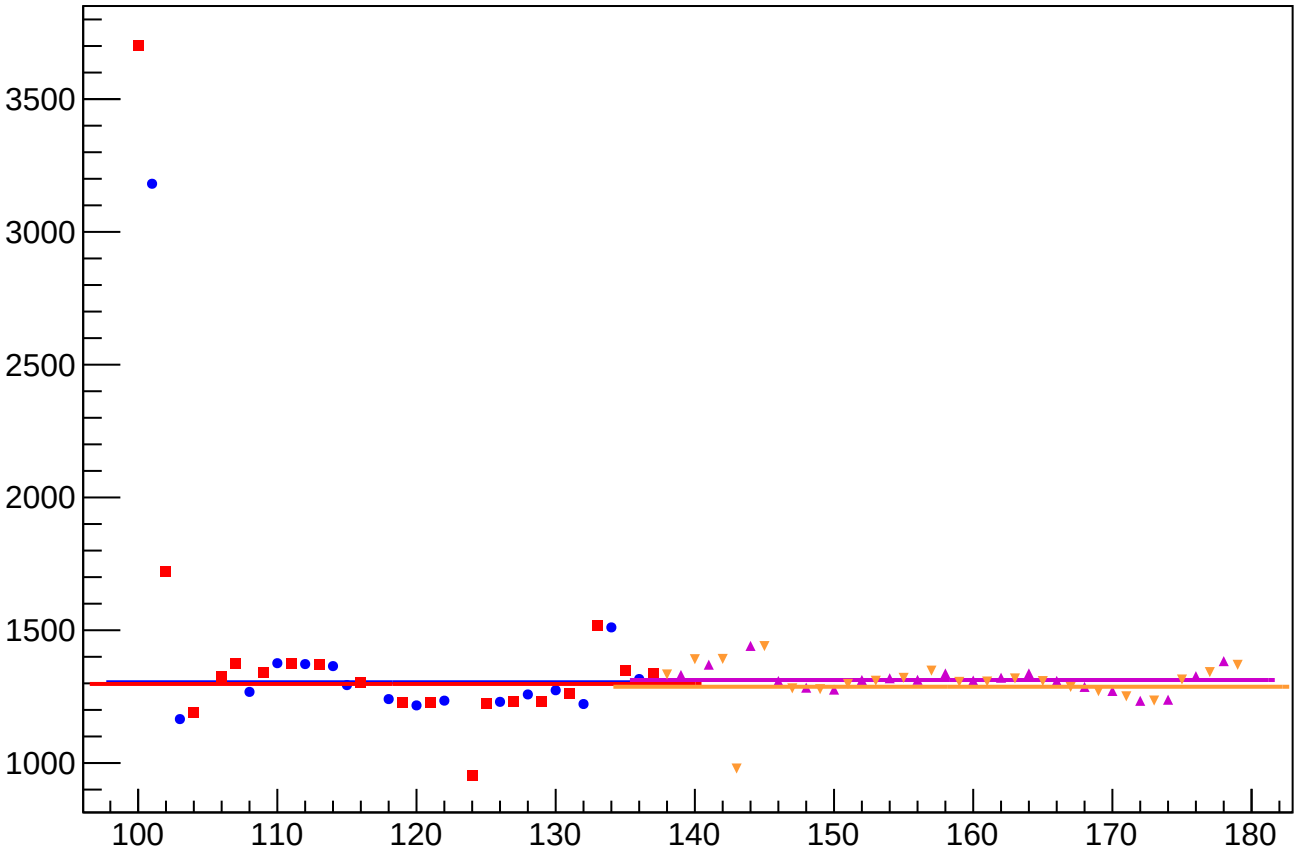
Left: -6.729+/-223.848 χ^2/NDF: 63.2/41

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -601.965+/-271.500 χ^2/NDF:30.3/35

Out: 345.112+/-260.581 χ^2/NDF:56.9/40

All: -108.999+/-188.000 χ^2/NDF: 93.4/76



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1287.224+/-0.218 χ^2/NDF:216812.0/21

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1312.638+/-0.230 χ^2/NDF:40647.2/19

Left: 1299.286+/-0.158 χ^2/NDF: 263887.2/41

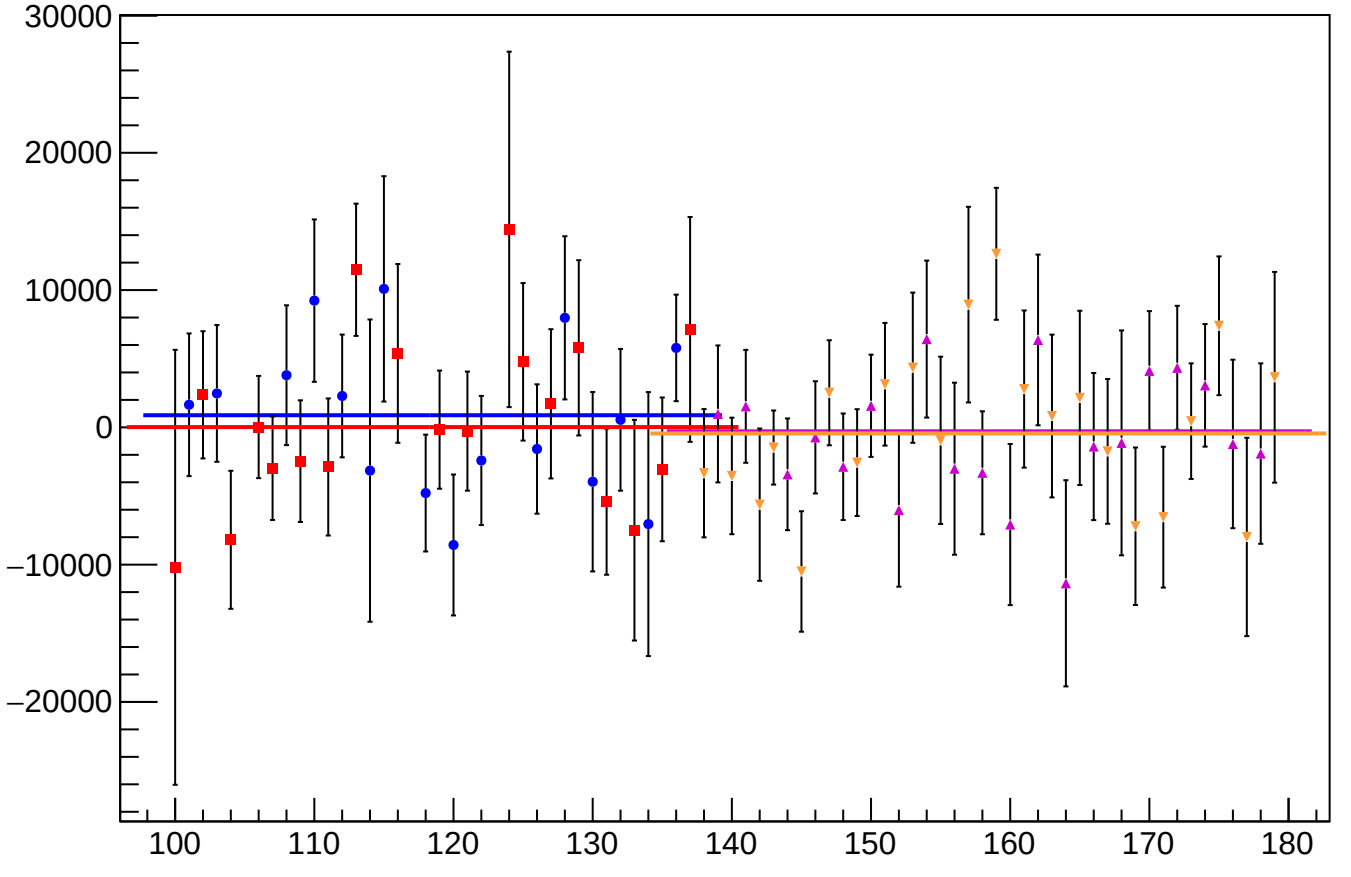
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.062+/-0.192 χ^2/NDF:551653.3/35

Out: 1290.272+/-0.184 χ^2/NDF:430584.8/40

All: 1299.759+/-0.133 χ^2/NDF: 987769.9/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -443.268+/-1025.525 χ^2/NDF:25.9/21

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -287.074+/-1104.134 χ^2/NDF:12.1/19

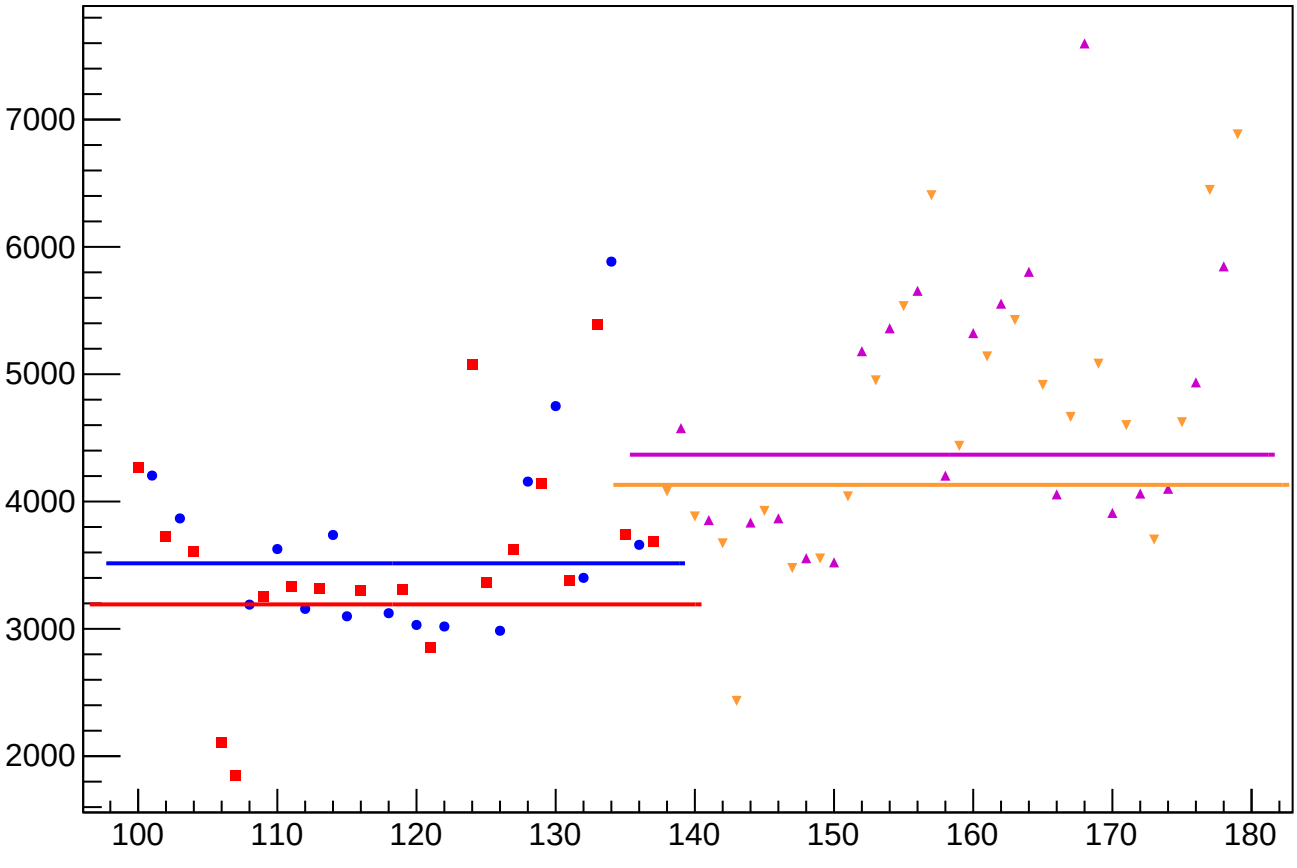
Left: -370.928+/-751.411 χ^2/NDF: 37.9/41

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 191.854+/-848.857 χ^2/NDF:26.6/35

Out: -247.447+/-779.617 χ^2/NDF:42.8/40

All: -46.441+/-574.193 χ^2/NDF: 69.6/76



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4131.058+/-0.725 χ^2/NDF:2065856.5/21

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

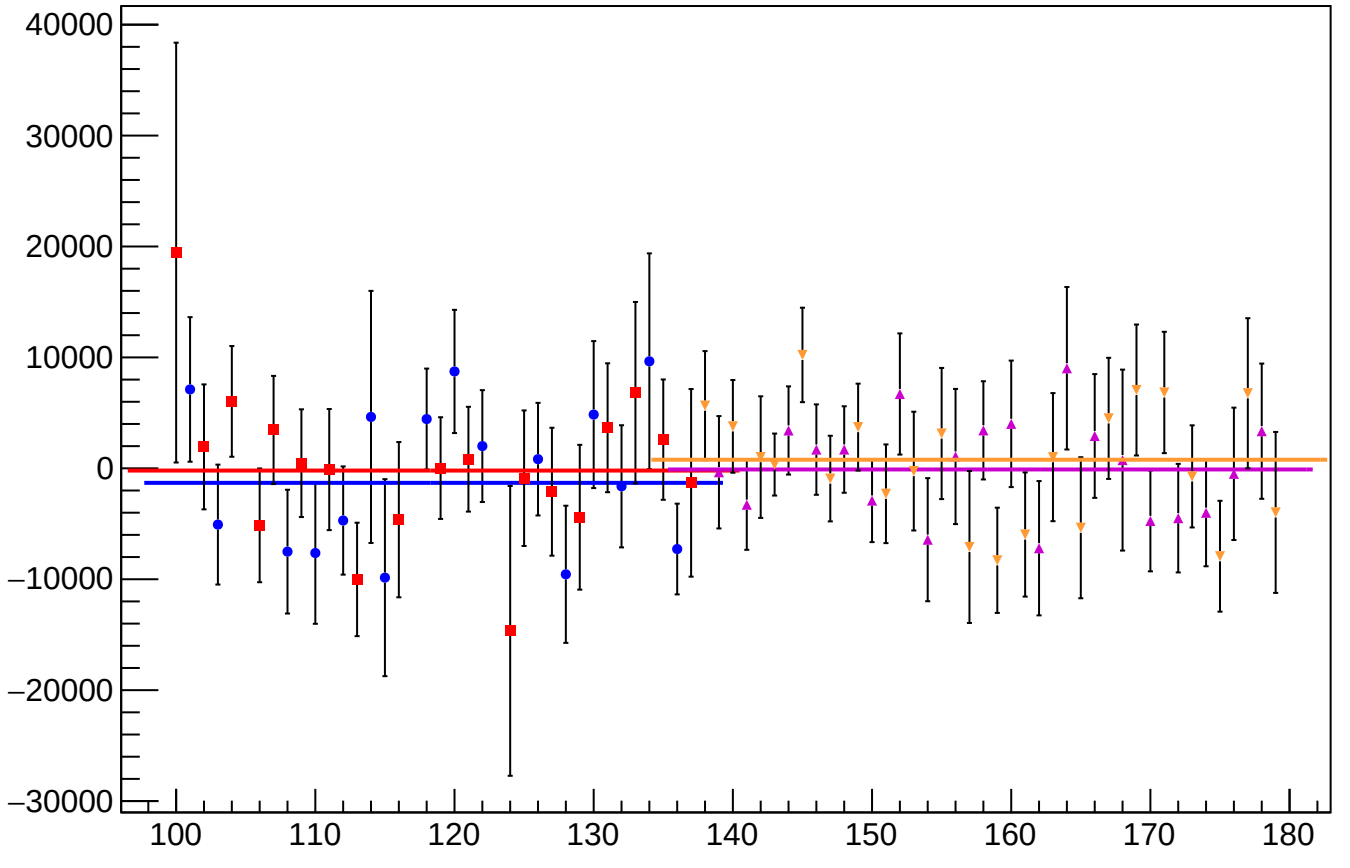
Left: 4240.742+/-0.531 χ^2/NDF: 3268507.6/41

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4018.992+/-0.600 χ^2/NDF:2016656.0/35

Out: 3734.786+/-0.551 χ^2/NDF:3545865.5/40

All: 3864.827+/-0.406 χ^2/NDF: 5684134.5/76



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 776.117+/-1032.808 χ^2/NDF:22.4/21

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -102.716+/-1107.223 χ^2/NDF:12.5/19

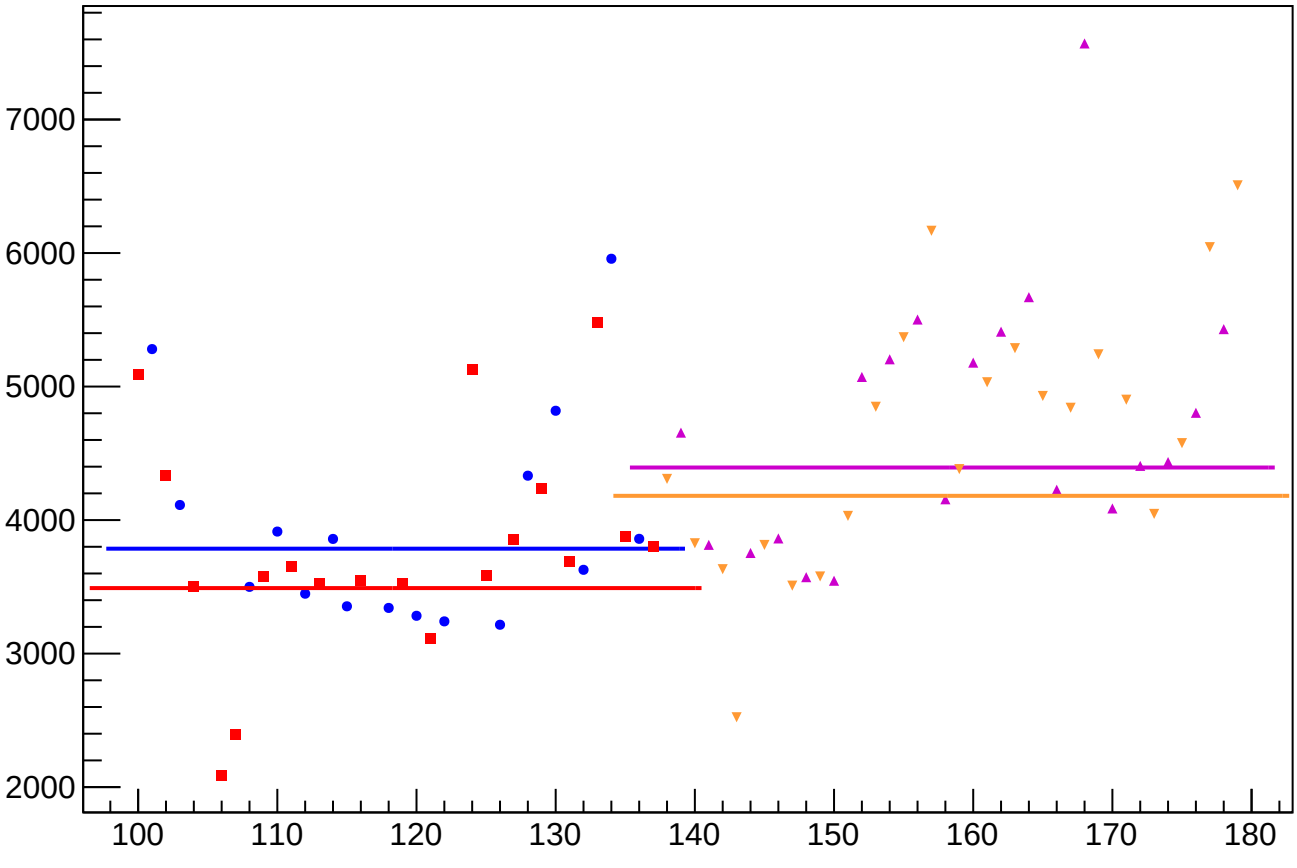
Left: 367.223+/-755.244 χ^2/NDF: 35.2/41

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -554.332+/-875.842 χ^2/NDF:30.5/35

Out: 410.407+/-817.128 χ^2/NDF:34.4/40

All: -38.545+/-597.476 χ^2/NDF: 65.5/76



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4181.612+/-0.730 χ^2/NDF:1795572.8/21

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

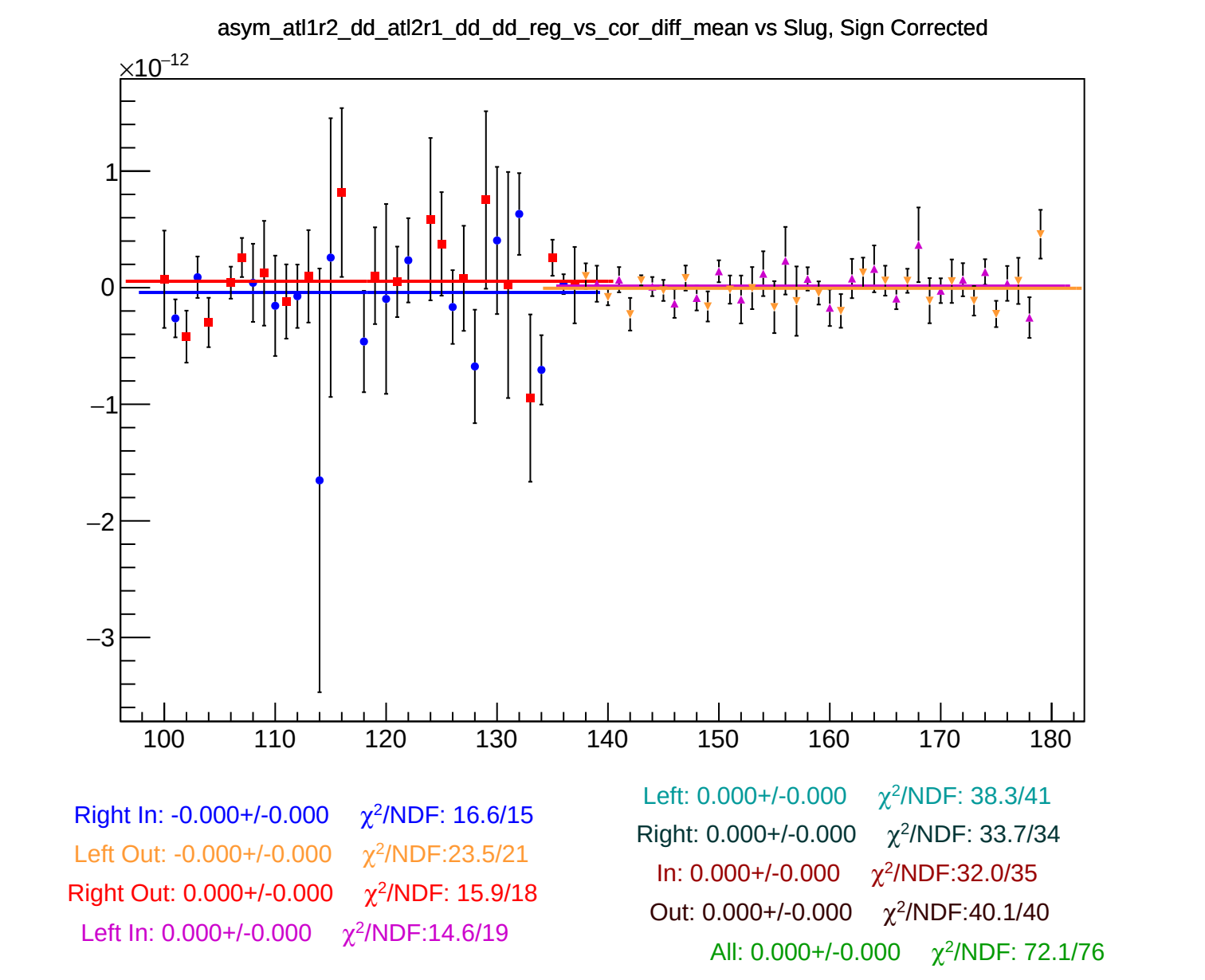
Left: 4280.270+/-0.534 χ^2/NDF: 2839612.7/41

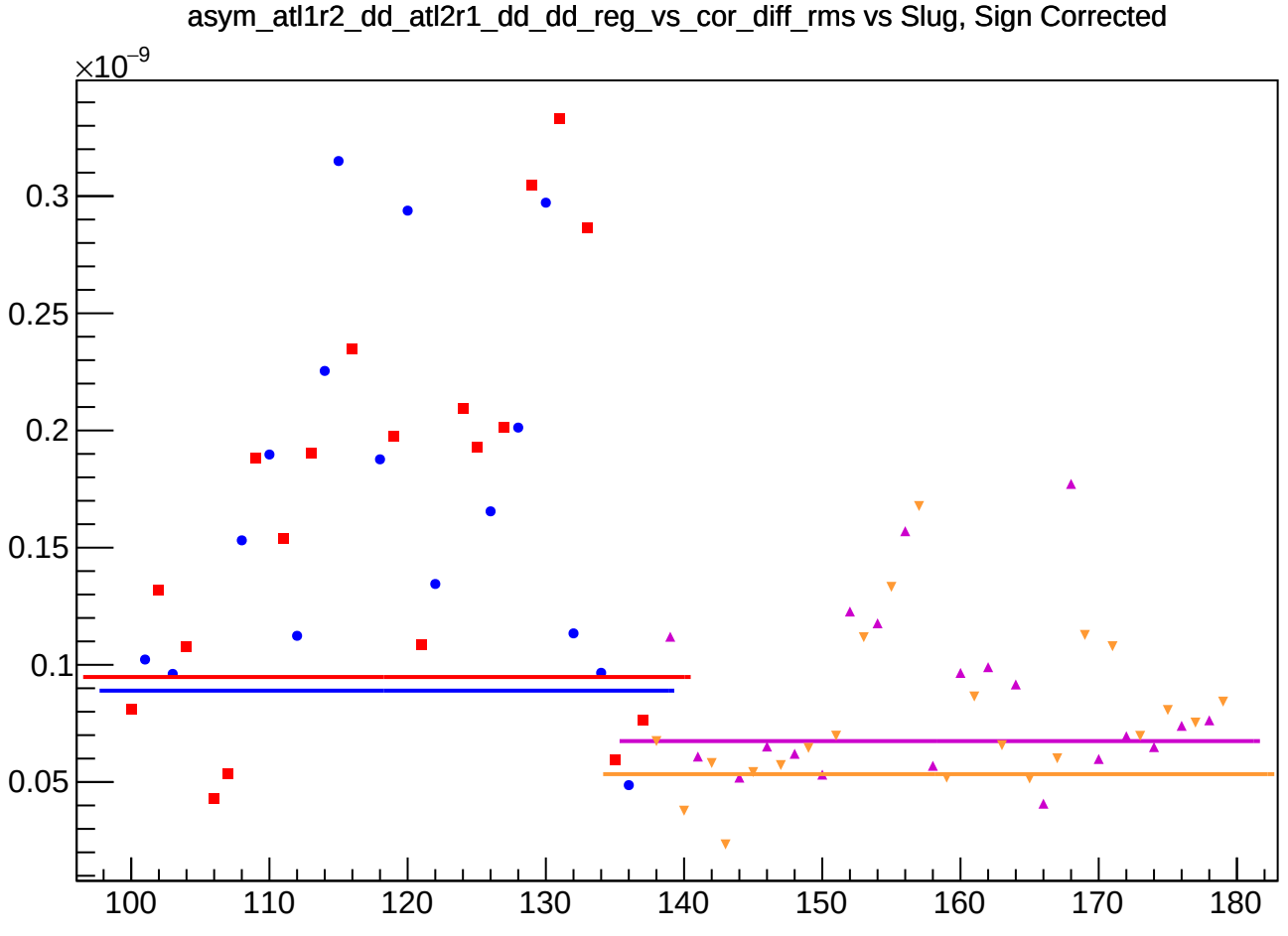
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4166.138+/-0.619 χ^2/NDF:1613440.0/35

Out: 3918.689+/-0.575 χ^2/NDF:2722928.9/40

All: 4033.205+/-0.421 χ^2/NDF: 4422131.6/76


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:23.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:14.6/19
Left: 0.000+/-0.000 χ²/NDF: 38.3/41
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:32.0/35
Out: 0.000+/-0.000 χ²/NDF:40.1/40
All: 0.000+/-0.000 χ²/NDF: 72.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592157.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4272228.0/41

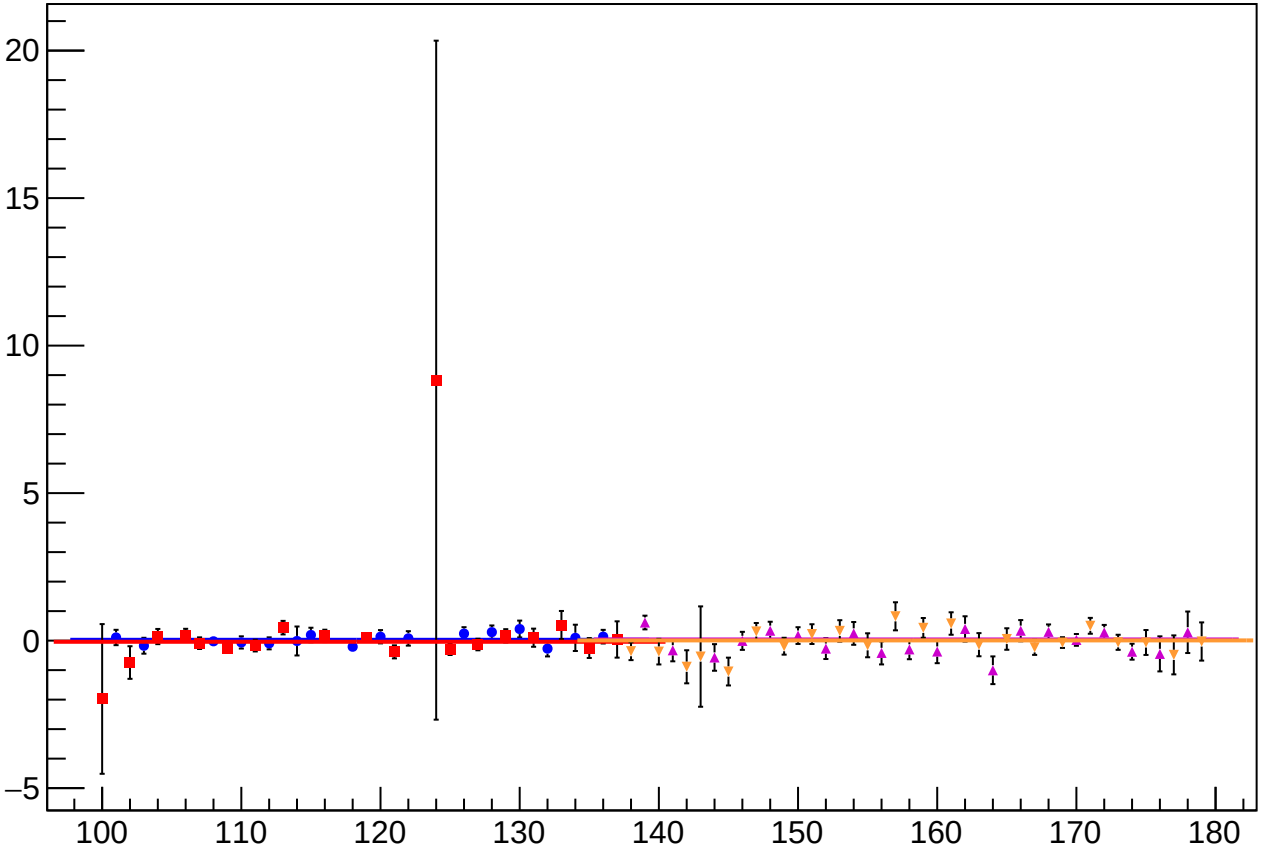
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3061986.9/35

Out: 0.000+/-0.000 χ^2/NDF:5068655.3/40

All: 0.000+/-0.000 χ^2/NDF: 8445239.7/76

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

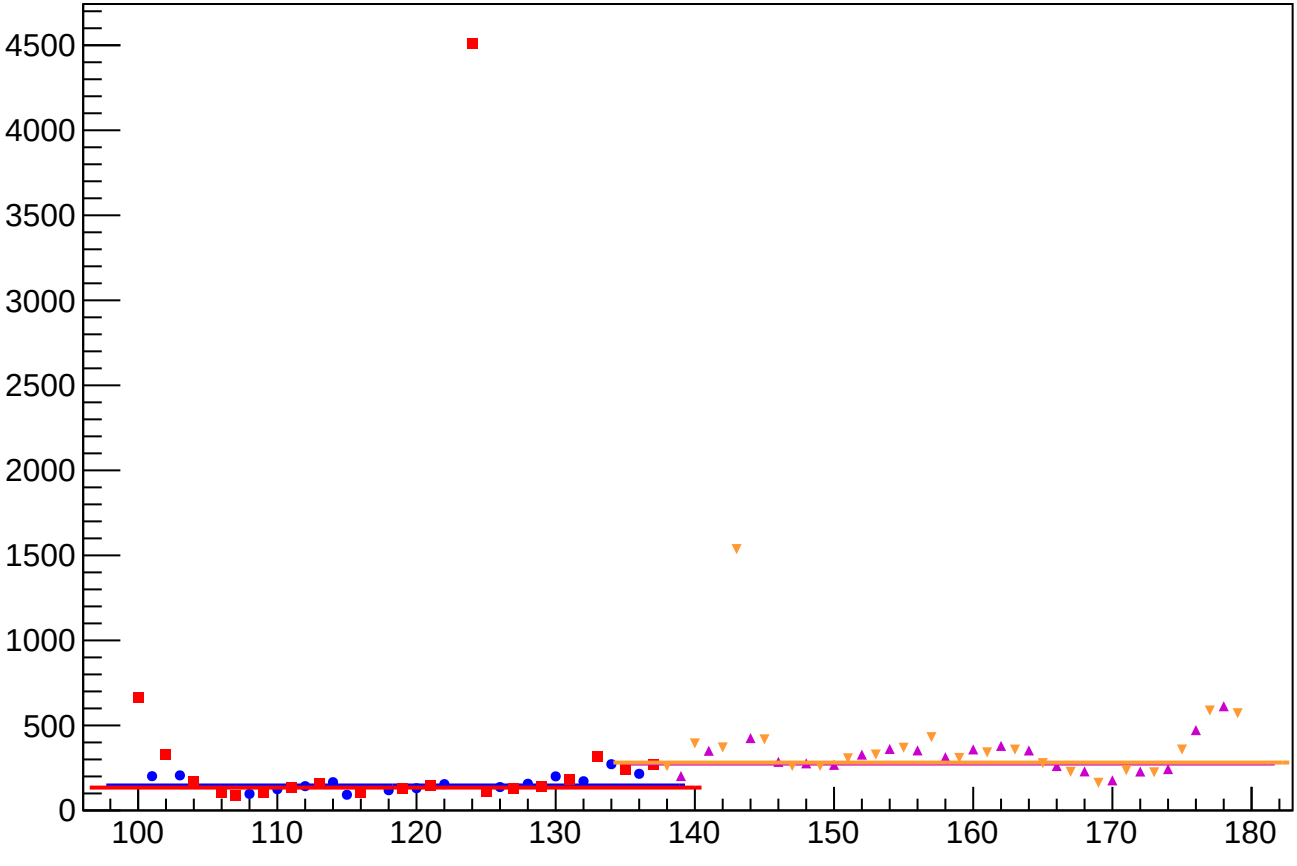
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 278.646+/-0.036 χ^2/NDF: 6290941.7/41

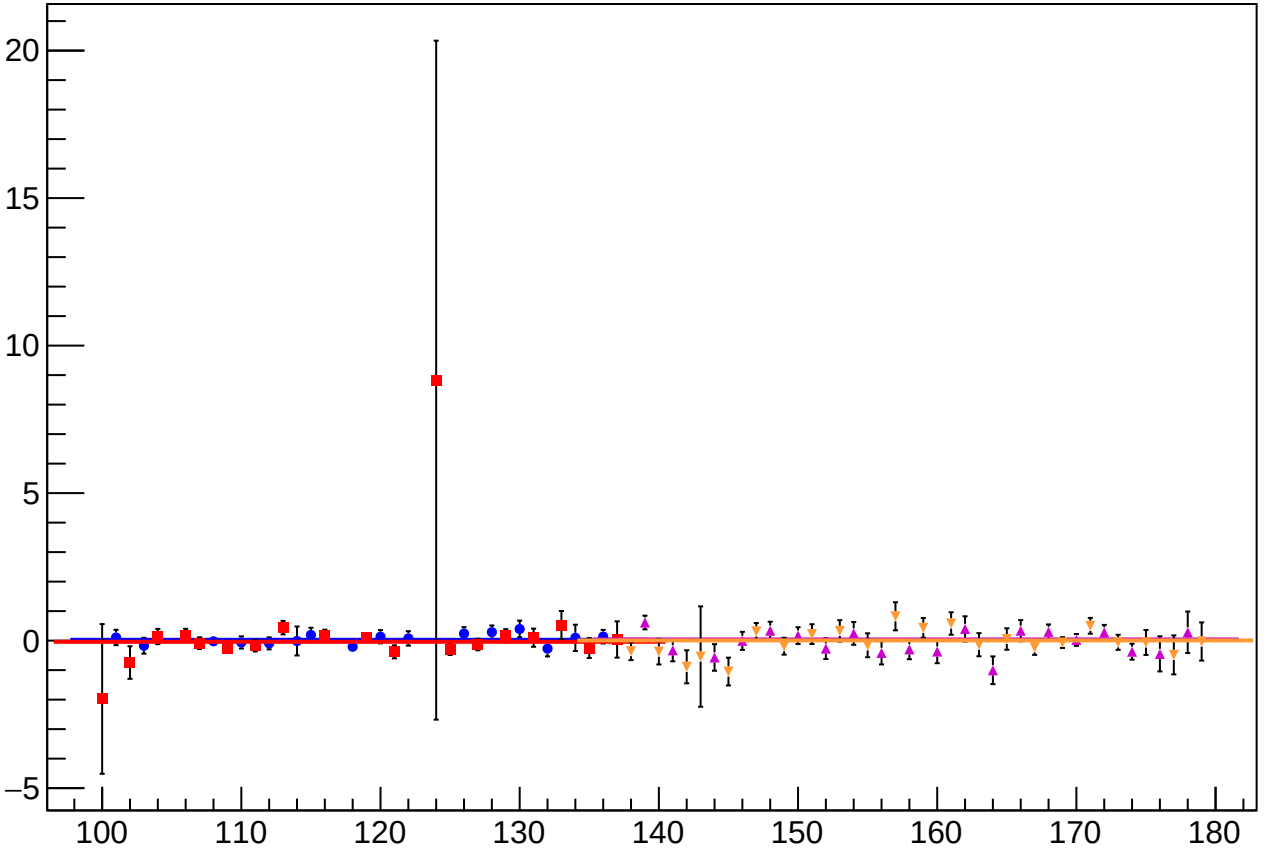
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

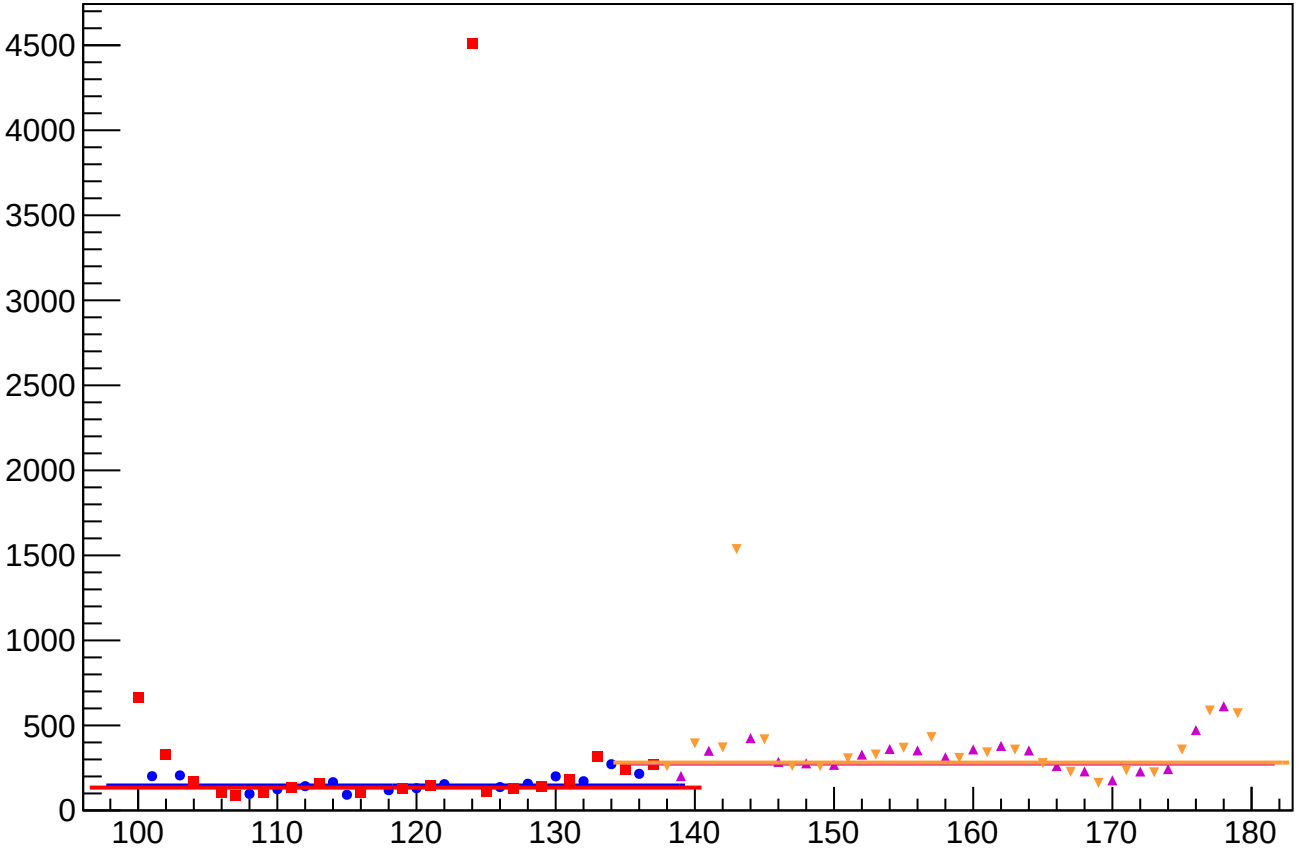
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 281.543+/-0.051 χ^2/NDF:3942972.6/21

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.800+/-0.051 χ^2/NDF:2341639.7/19

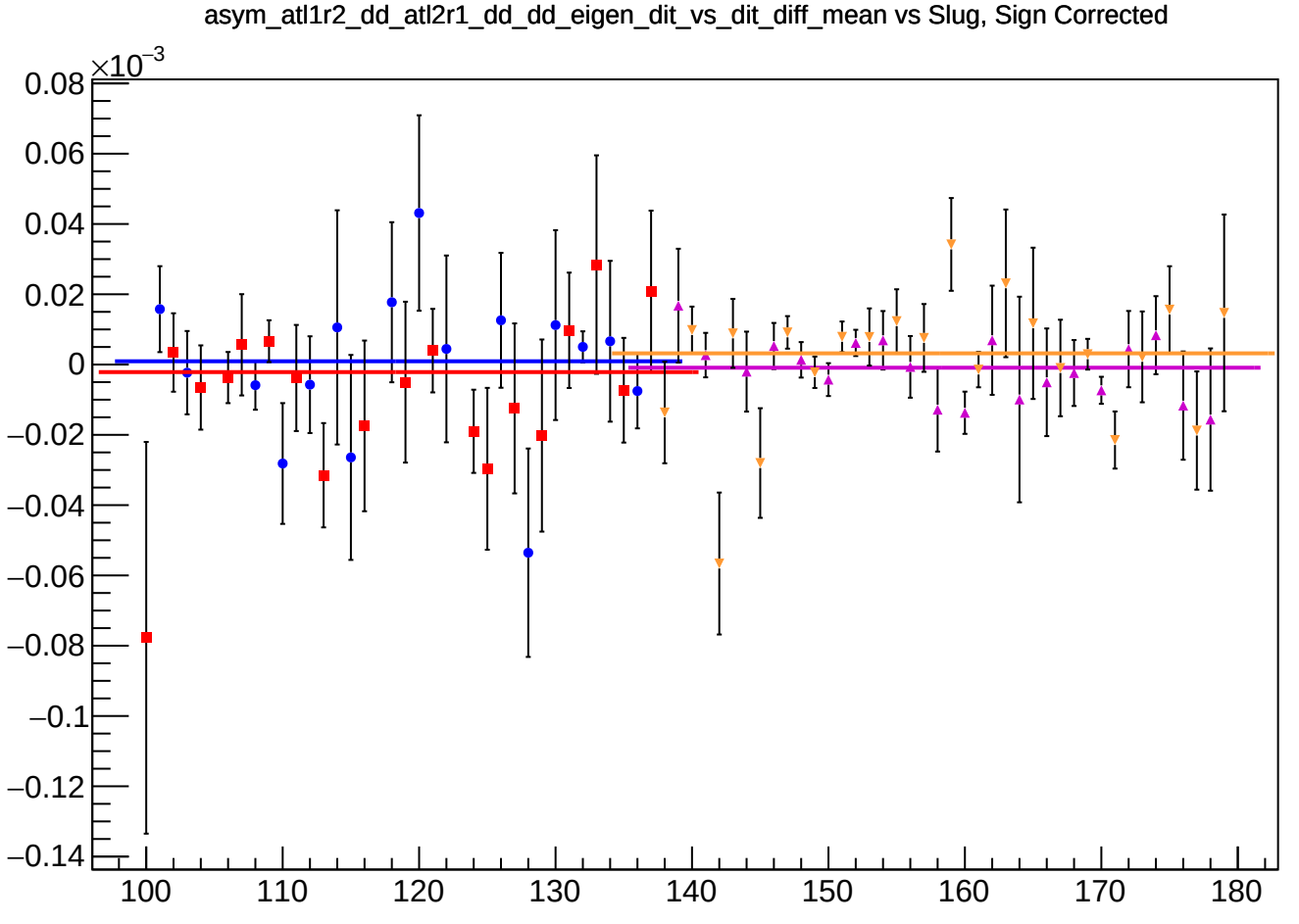
Left: 278.646+/-0.036 χ^2/NDF: 6290941.7/41

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 187.943+/-0.031 χ^2/NDF:10786361.6/40

All: 192.529+/-0.022 χ^2/NDF: 18088957.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/19

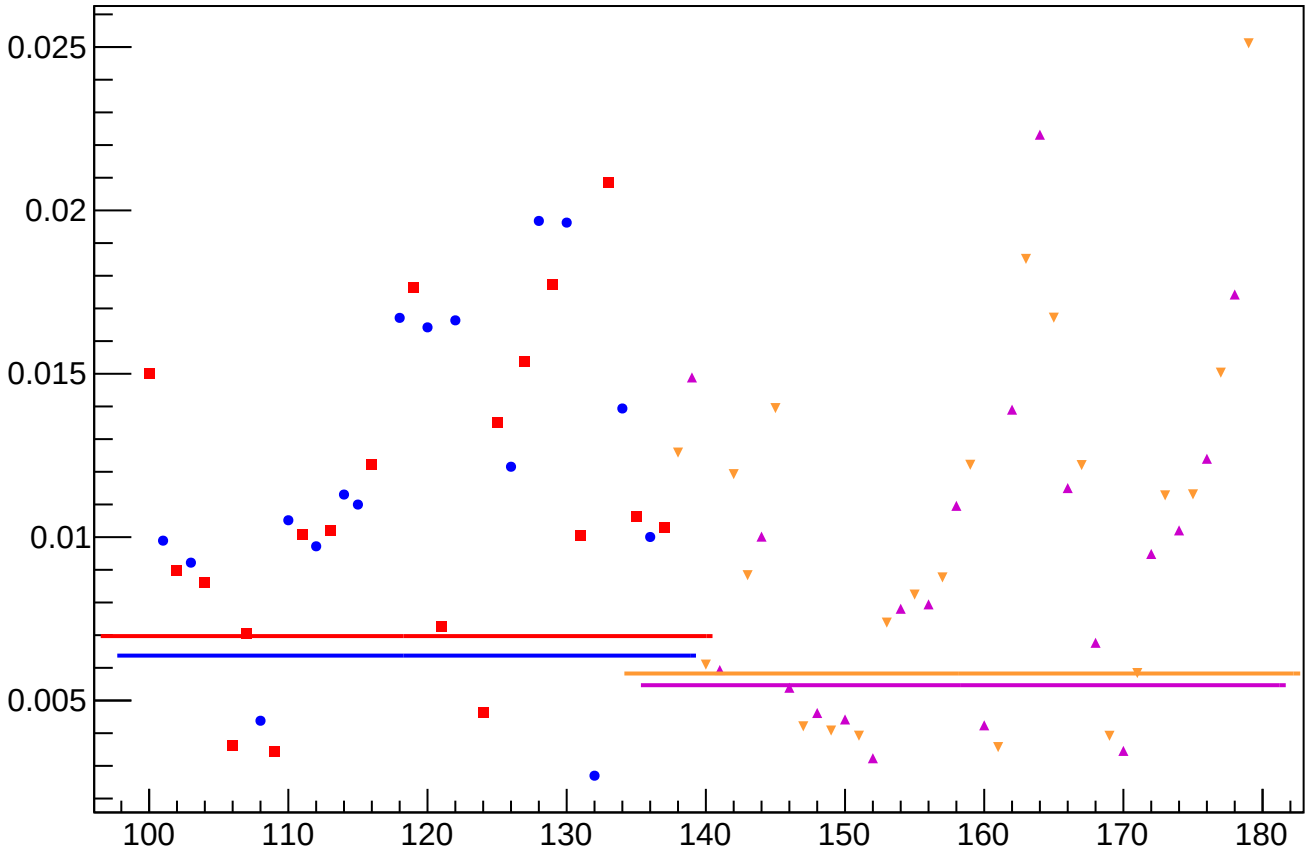
Left: 0.000+/-0.000 χ^2/NDF: 62.4/41

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:33.5/35

Out: 0.000+/-0.000 χ^2/NDF:59.4/40

All: 0.000+/-0.000 χ^2/NDF: 94.3/76



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:7905607.3/21

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

Left: 0.006+/-0.000 χ^2/NDF: 14549497.1/41

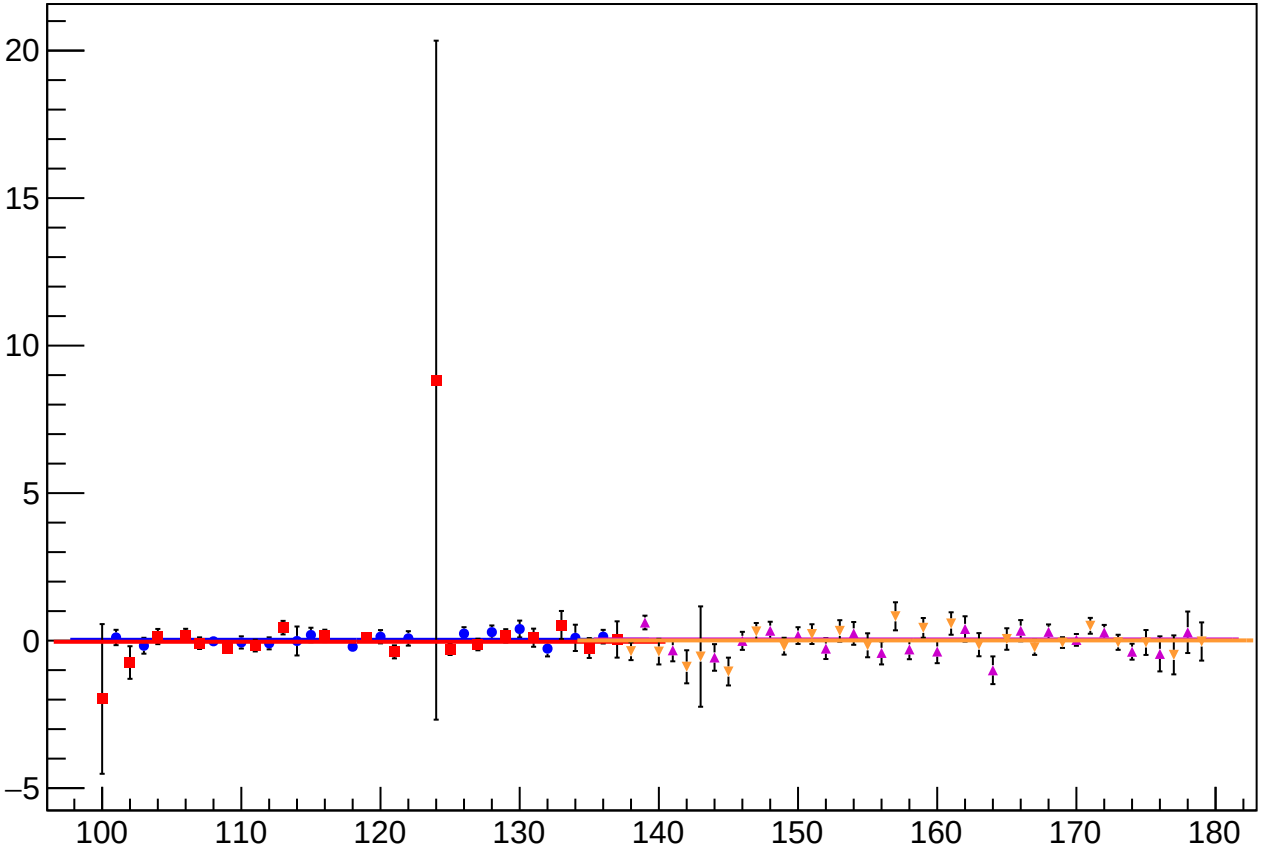
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11382330.1/35

Out: 0.006+/-0.000 χ^2/NDF:11538291.0/40

All: 0.006+/-0.000 χ^2/NDF: 23004185.0/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

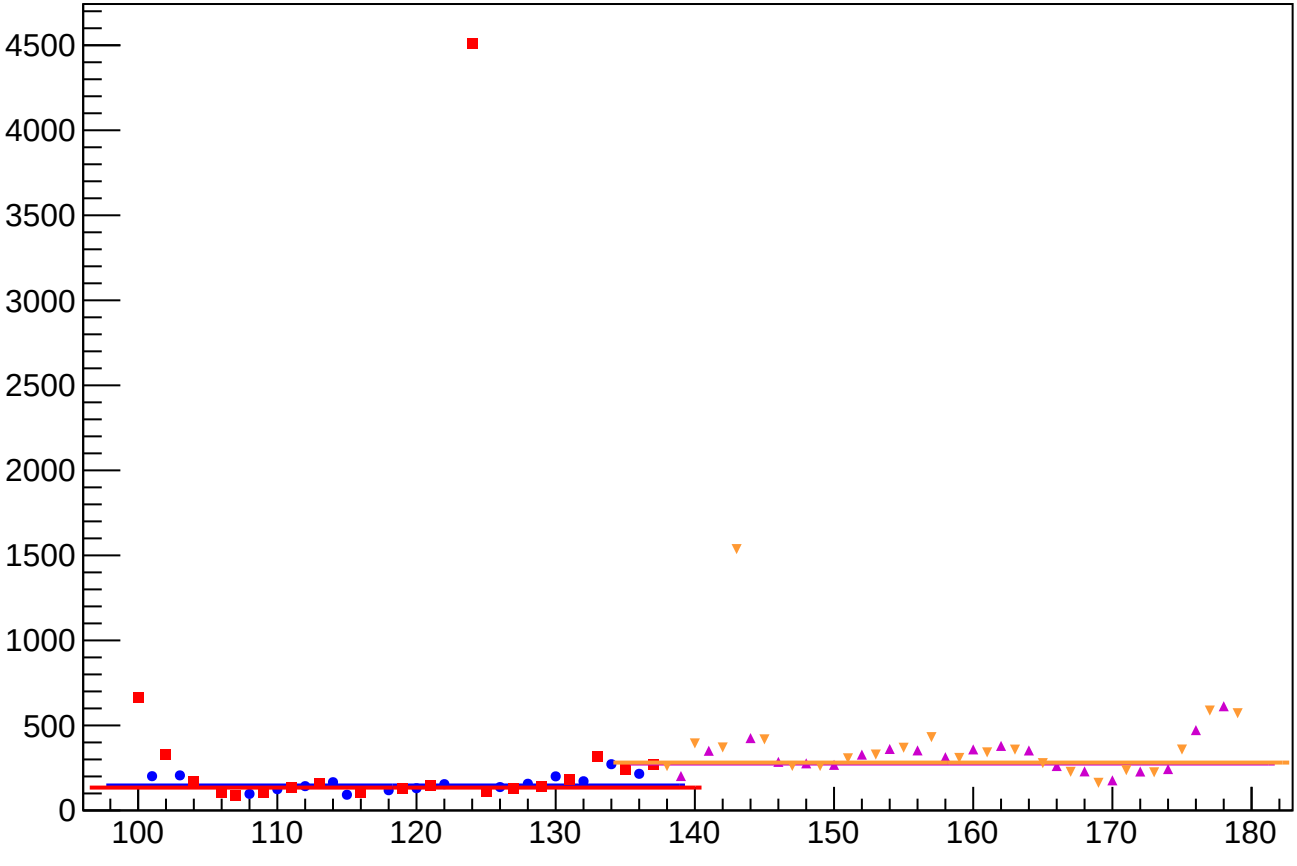
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

Left: 278.647+/-0.036 χ^2/NDF: 6291208.7/41

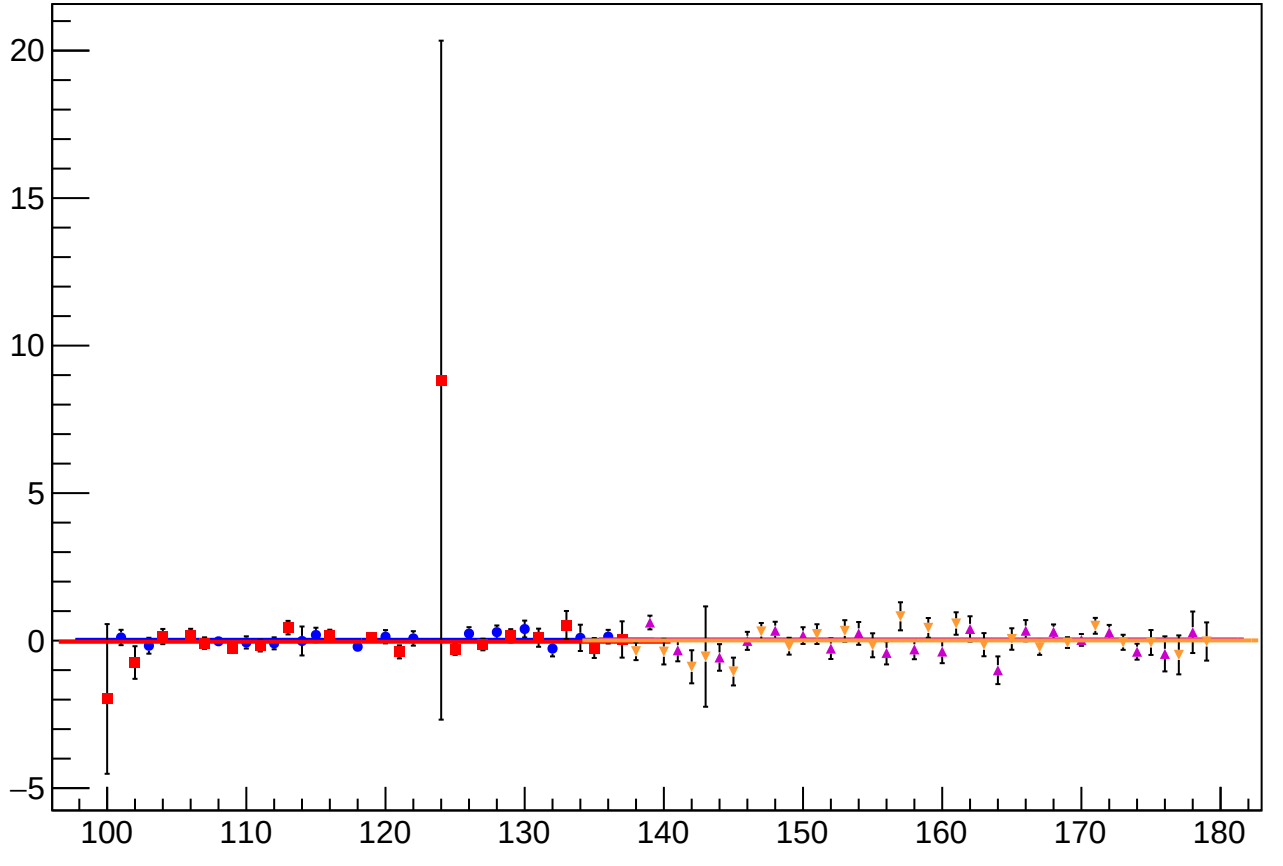
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.007+/-0.072 χ^2/NDF:24.8/21

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/41

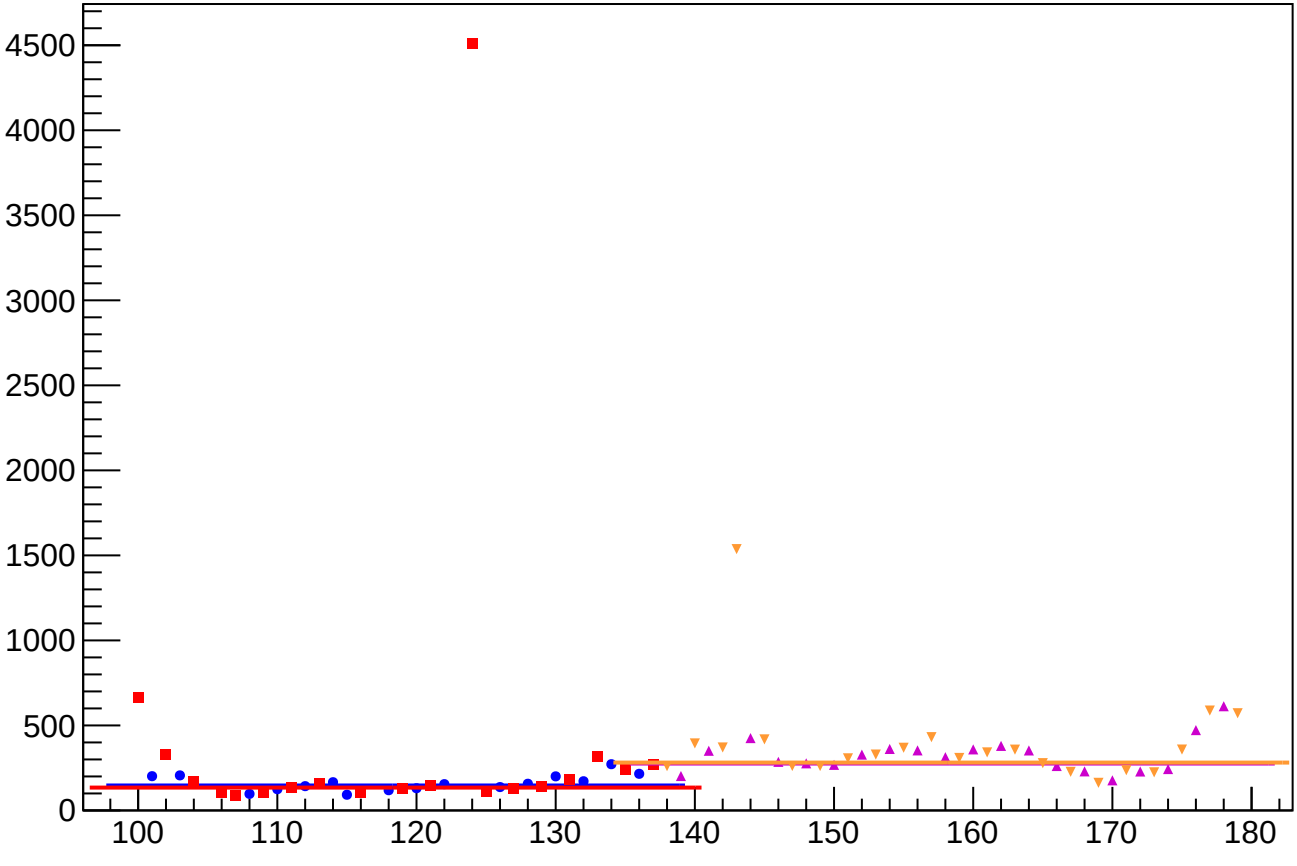
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/40

All: 0.004+/-0.031 χ^2/NDF: 81.3/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 281.543+/-0.051 χ^2/NDF:3943153.6/21

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.802+/-0.051 χ^2/NDF:2341728.8/19

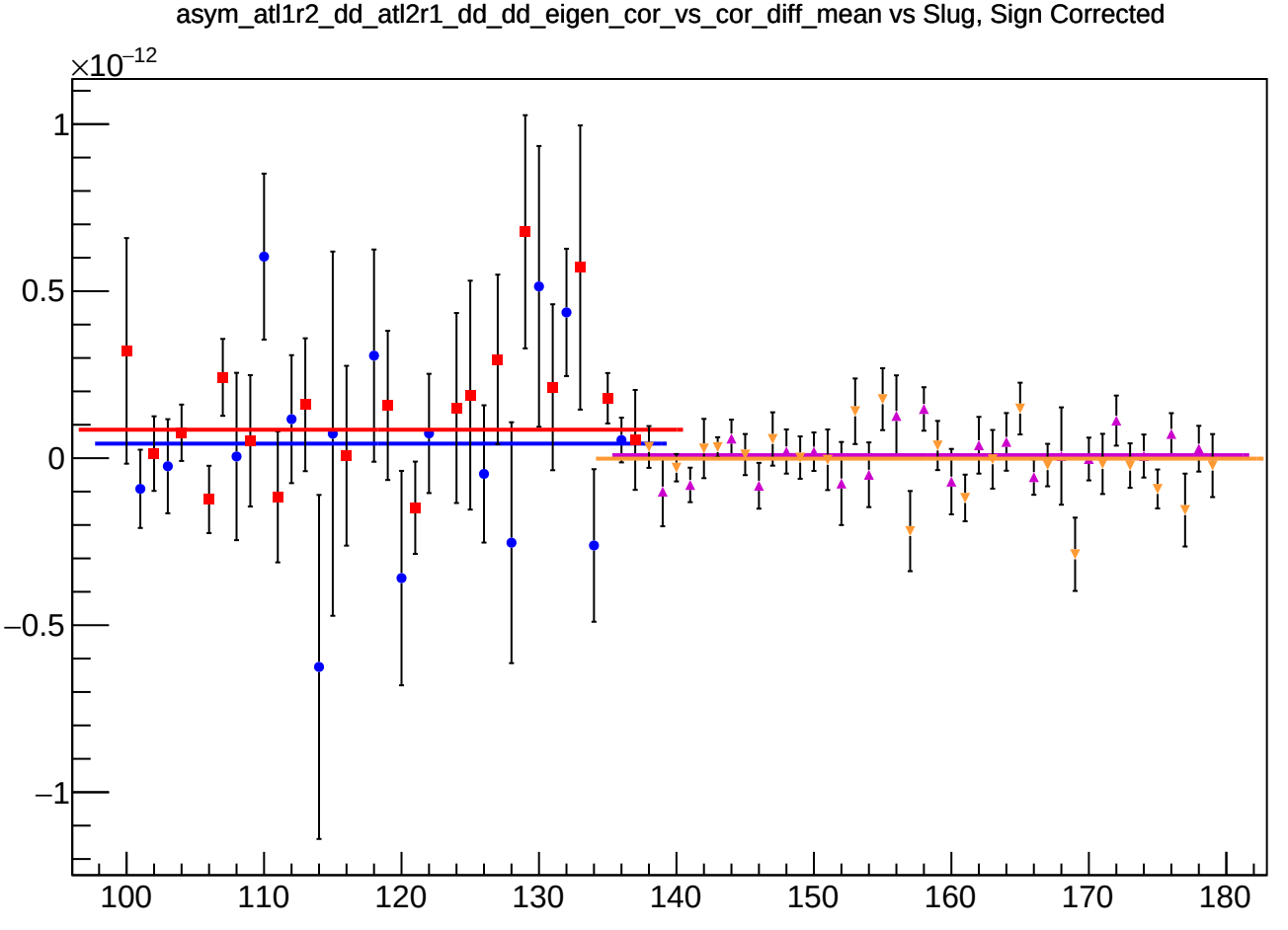
Left: 278.647+/-0.036 χ^2/NDF: 6291208.7/41

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 187.944+/-0.031 χ^2/NDF:10786336.9/40

All: 192.529+/-0.022 χ^2/NDF: 18089017.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/19

Left: 0.000+/-0.000 χ^2/NDF: 49.0/41

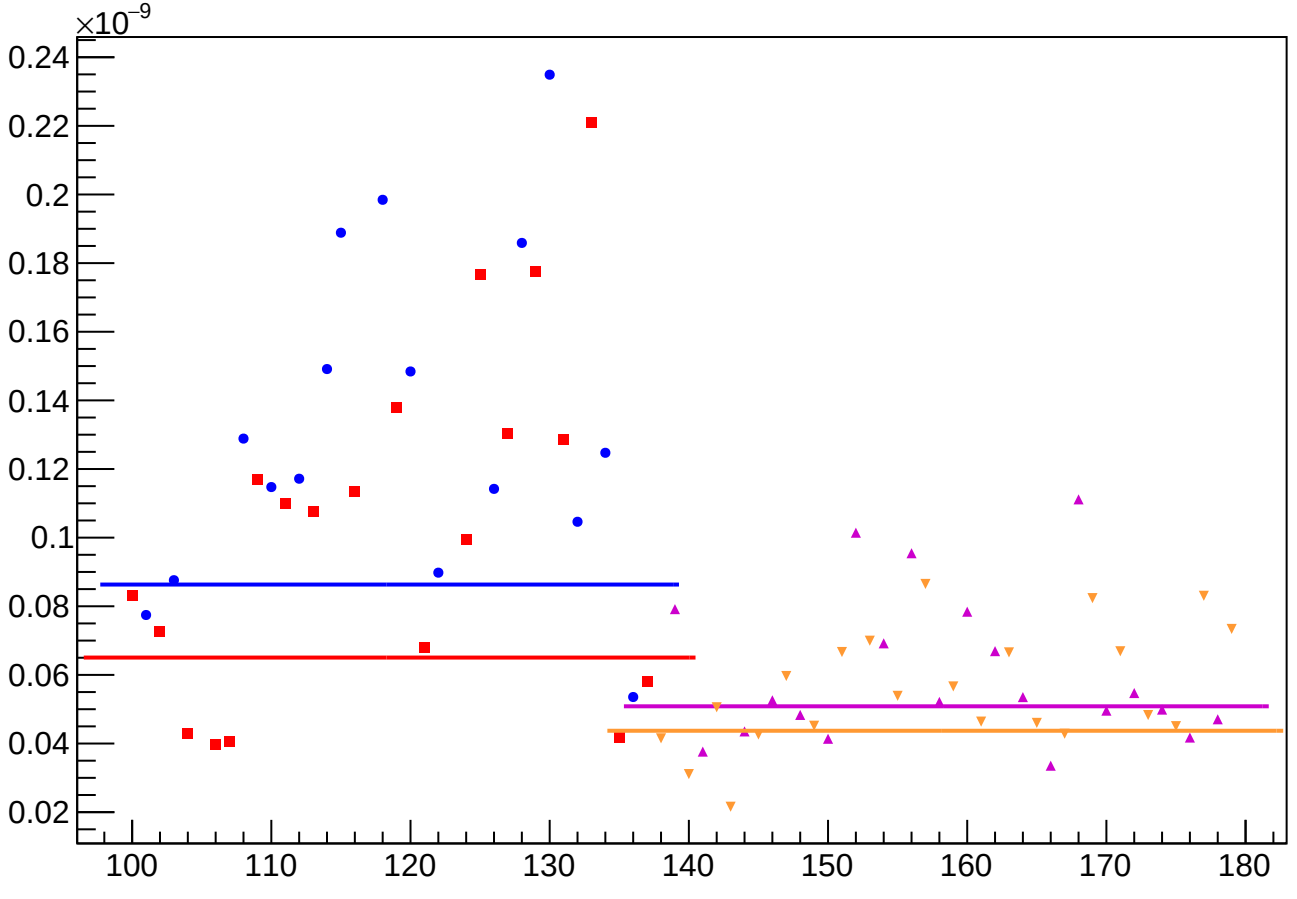
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:53.9/40

All: 0.000+/-0.000 χ^2/NDF: 92.0/76

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3001307.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1889080.7/19

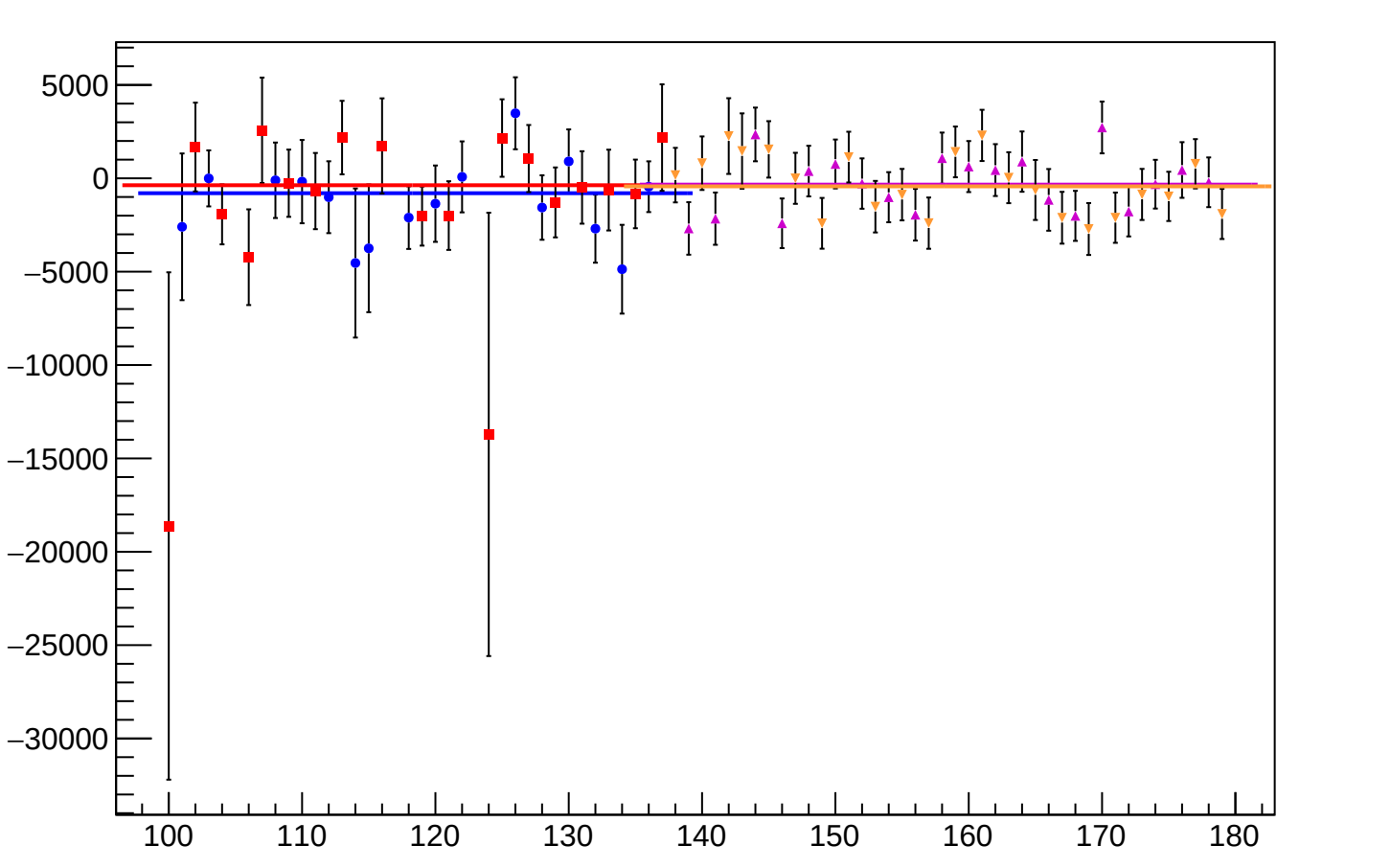
Left: 0.000+/-0.000 χ^2/NDF: 5114414.3/41

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4664067.6/35

Out: 0.000+/-0.000 χ^2/NDF:5824478.2/40

All: 0.000+/-0.000 χ^2/NDF: 10847106.3/76



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -430.217+/-302.828 χ^2/NDF:25.6/21

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -337.553+/-310.167 χ^2/NDF:23.6/19

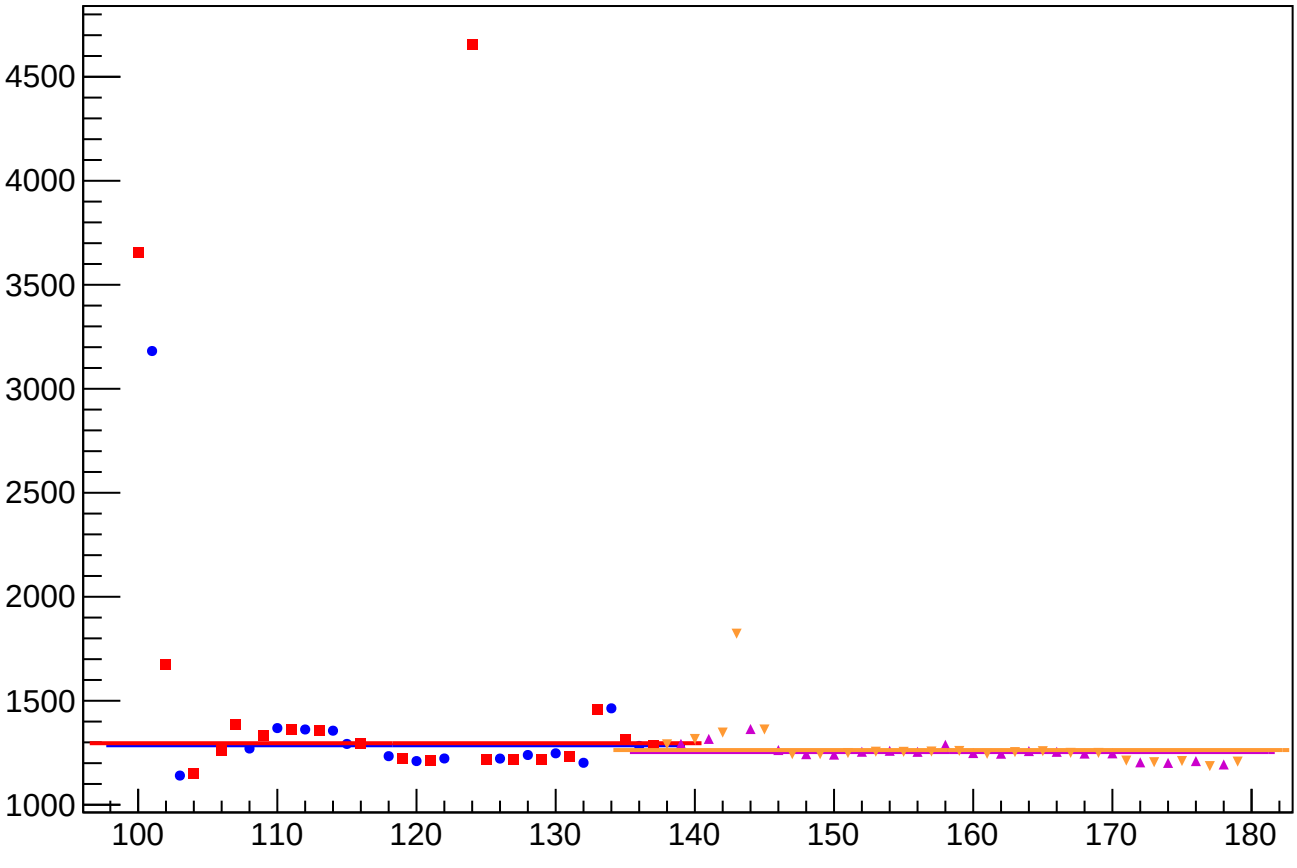
Left: -384.994+/-216.680 χ^2/NDF: 49.2/41

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -470.046+/-261.684 χ^2/NDF:37.6/35

Out: -413.370+/-256.991 χ^2/NDF:41.2/40

All: -441.195+/-183.357 χ^2/NDF: 78.9/76



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1262.975+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1258.294+/-0.153 χ^2/NDF: 223517.9/41

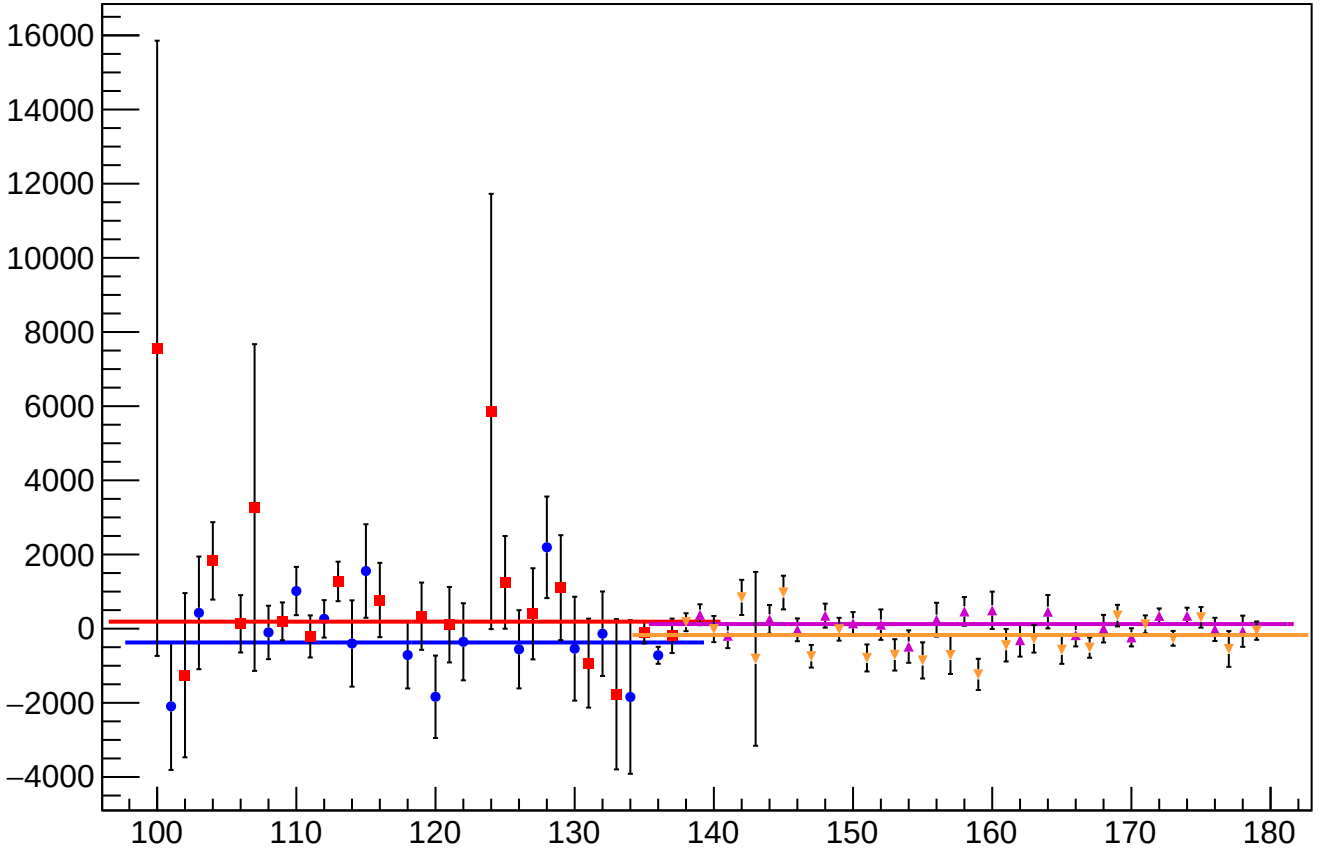
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1262.812+/-0.185 χ^2/NDF:555652.6/35

Out: 1272.200+/-0.182 χ^2/NDF:526127.2/40

All: 1267.591+/-0.130 χ^2/NDF: 1083090.3/76

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -171.625+/-70.139 χ^2/NDF:42.8/21

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 123.878+/-72.178 χ^2/NDF:13.2/19

Left: -28.107+/-50.301 χ^2/NDF: 64.6/41

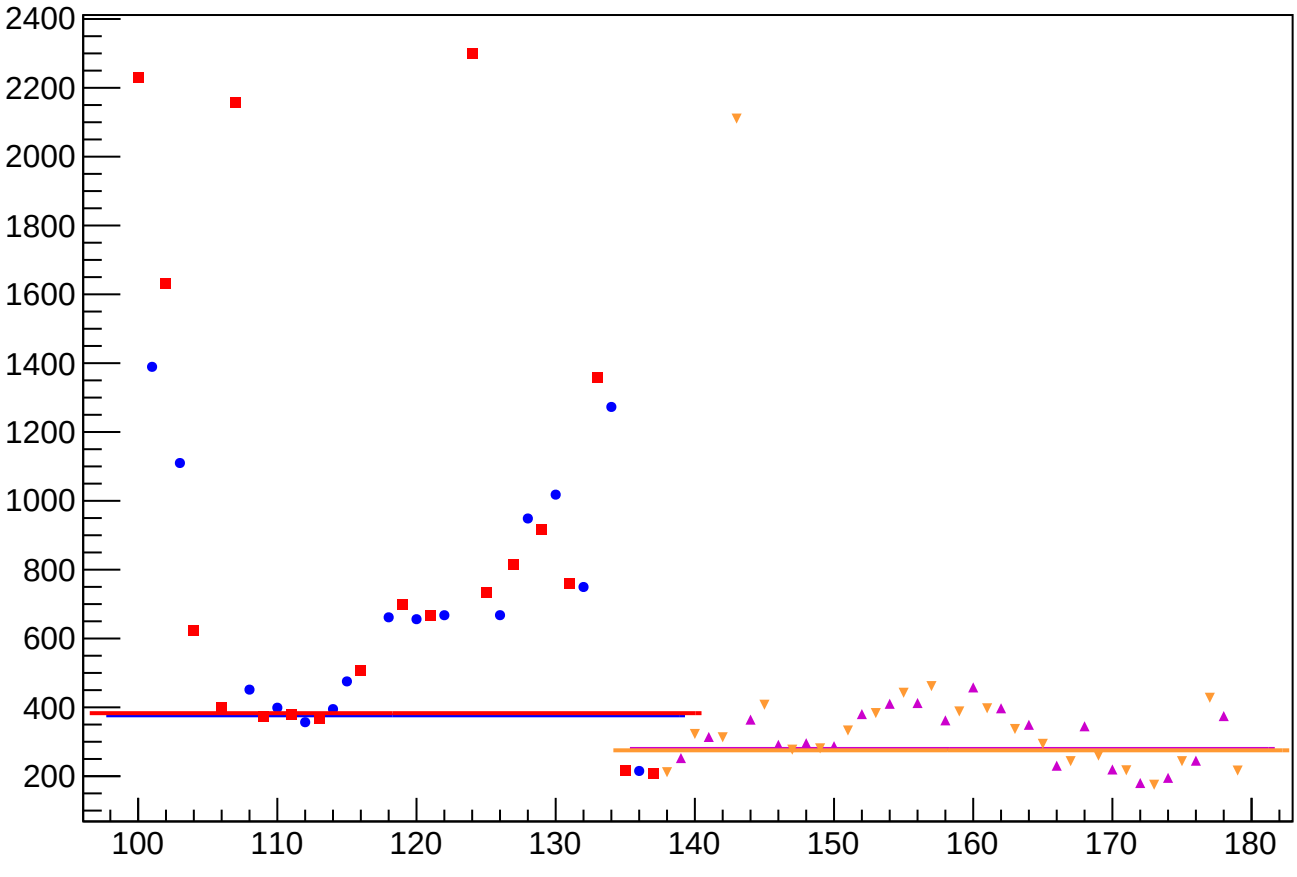
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 46.717+/-66.329 χ^2/NDF:38.7/35

Out: -118.951+/-64.813 χ^2/NDF:61.3/40

All: -38.031+/-46.357 χ^2/NDF: 103.2/76

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 275.146+/-0.050 χ^2/NDF:3615699.4/21

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 279.102+/-0.051 χ^2/NDF:2292660.1/19

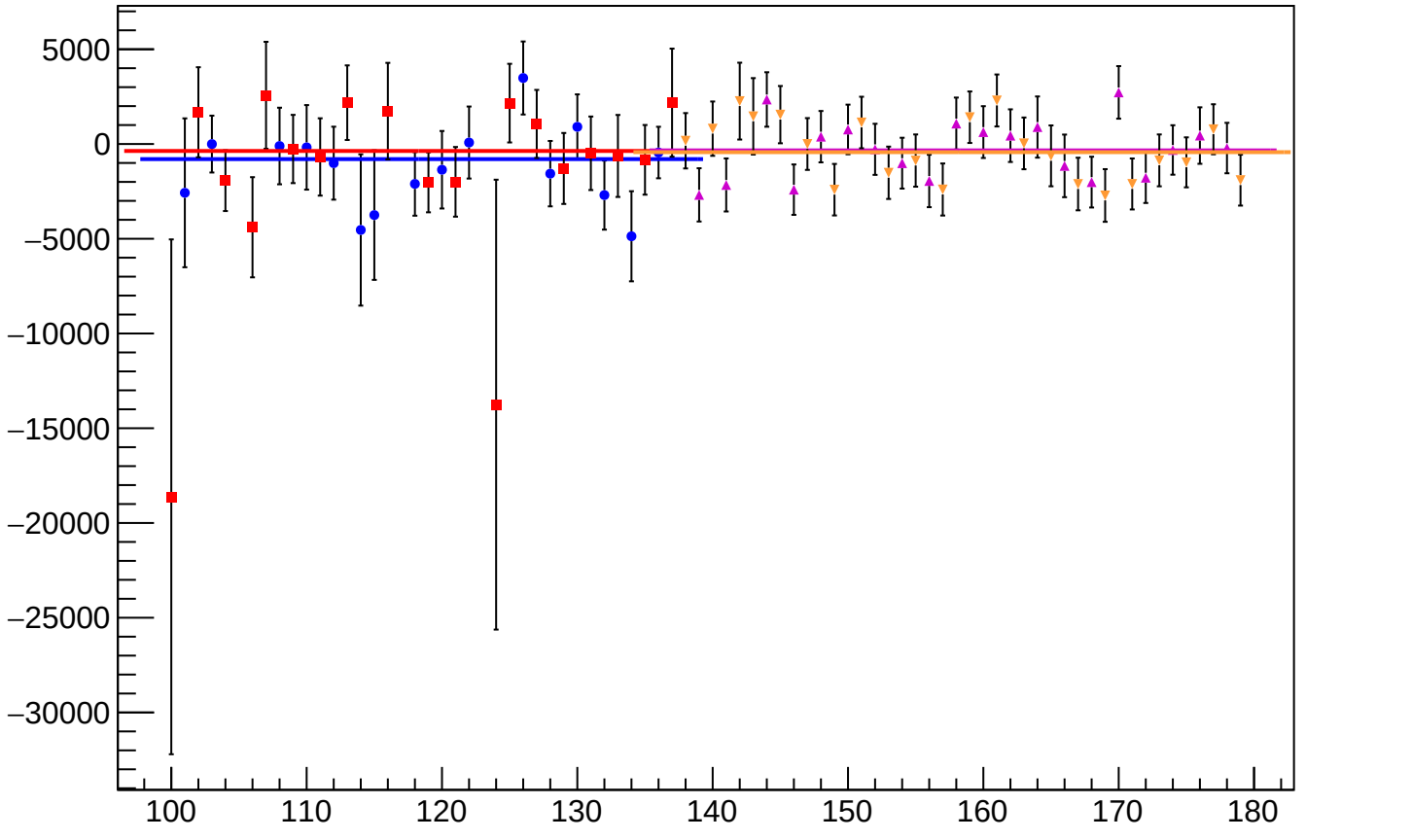
Left: 277.068+/-0.036 χ^2/NDF: 5911449.7/41

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.309+/-0.047 χ^2/NDF:7053737.3/35

Out: 290.913+/-0.046 χ^2/NDF:8361624.1/40

All: 292.572+/-0.033 χ^2/NDF: 15418043.6/76



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -337.523+/-310.167 χ^2/NDF:23.6/19

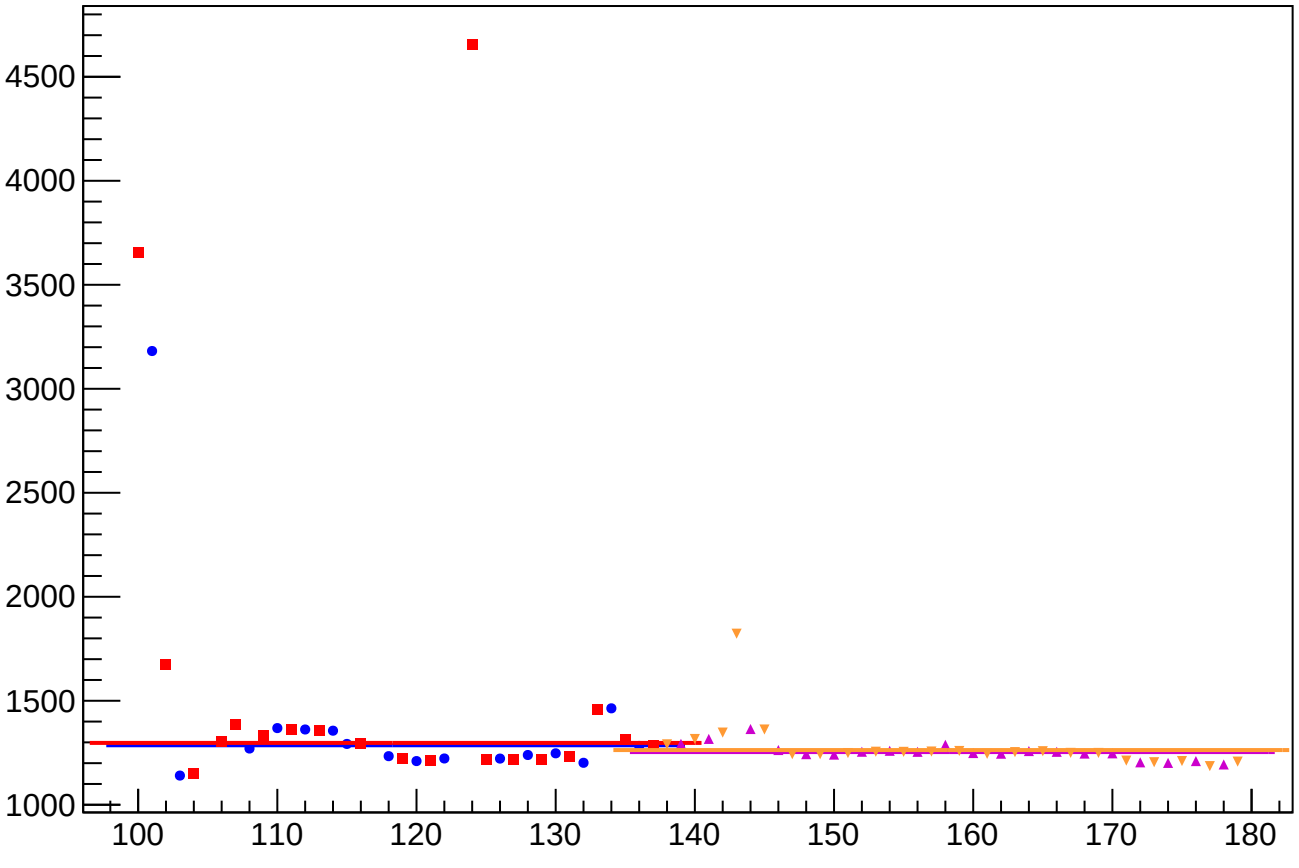
Left: -384.969+/-216.680 χ^2/NDF: 49.2/41

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -469.909+/-261.684 χ^2/NDF:37.6/35

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -440.782+/-183.385 χ^2/NDF: 78.9/76



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1258.295+/-0.153 χ^2/NDF: 223517.9/41

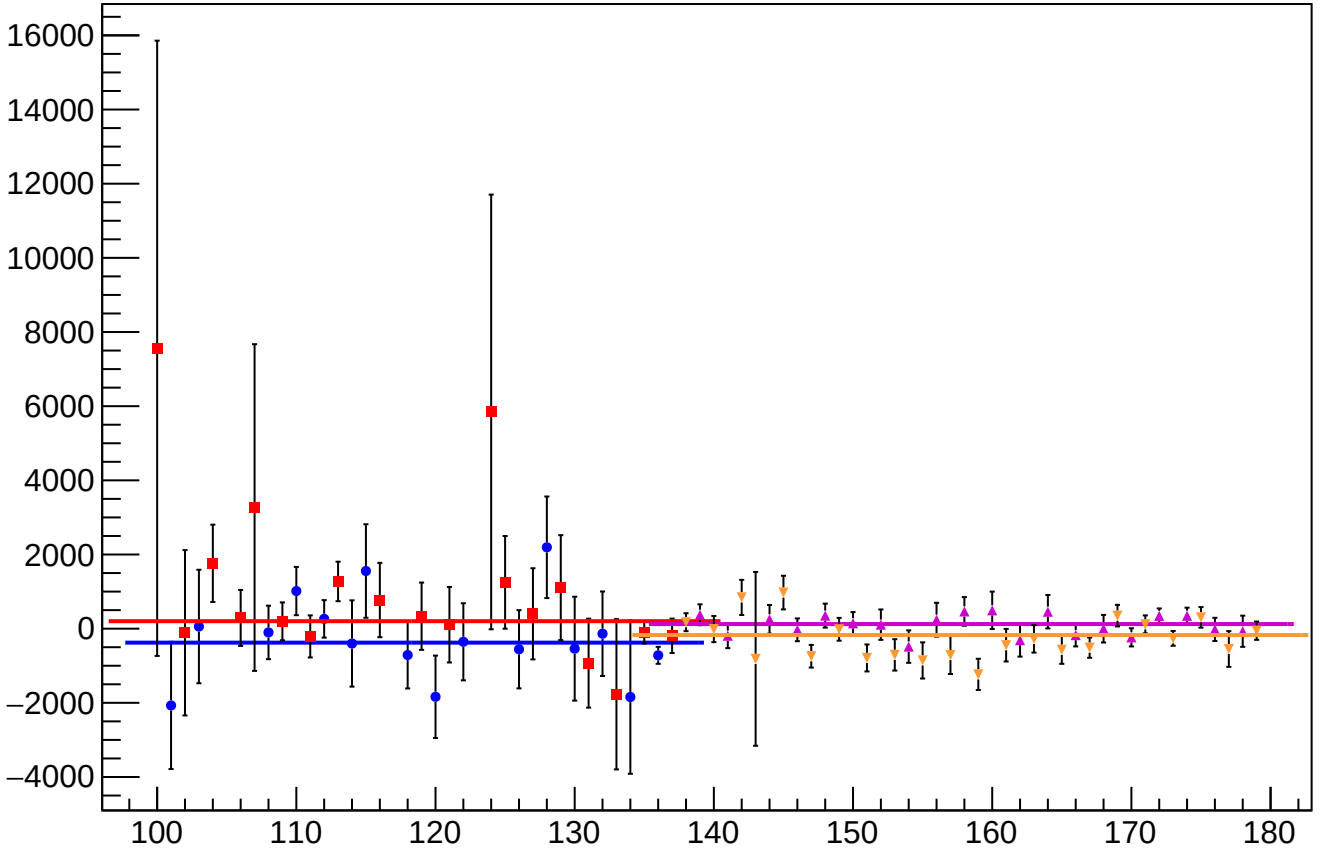
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -28.078+/-50.302 χ^2/NDF: 64.6/41

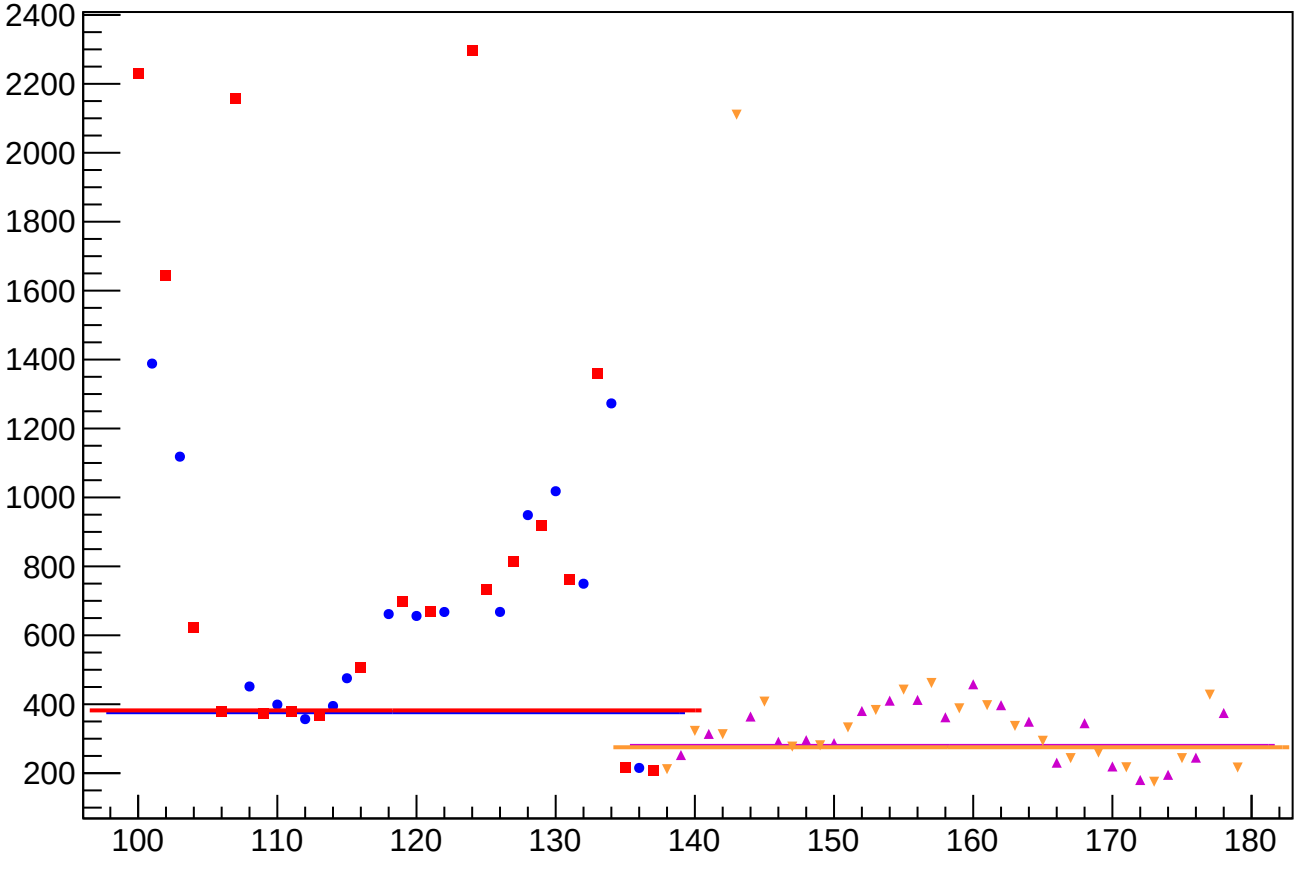
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -37.311+/-46.354 χ^2/NDF: 102.7/76

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

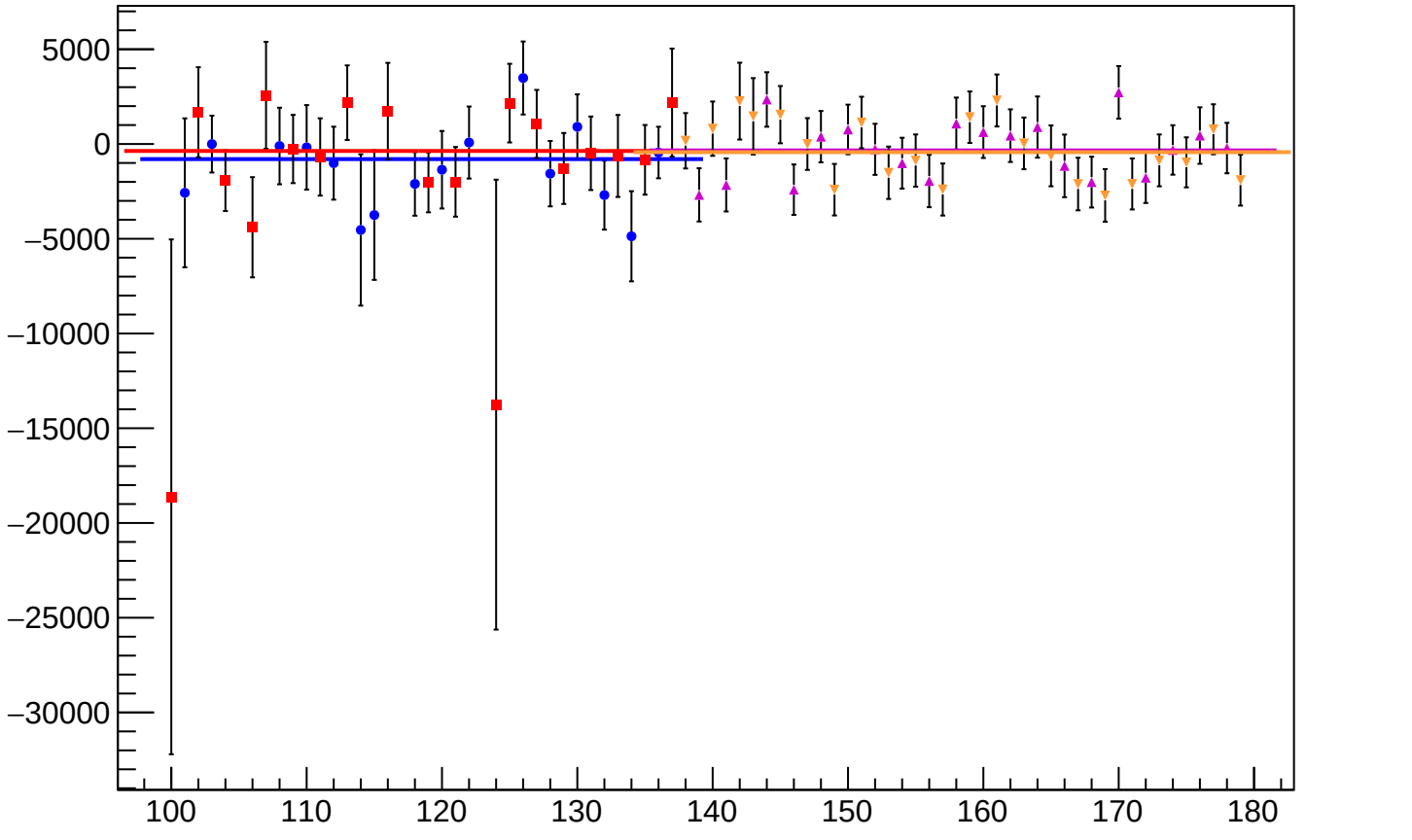
Left: 277.077+/-0.036 χ^2/NDF: 5910891.6/41

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -430.196+/-302.828 χ^2/NDF:25.6/21

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -337.523+/-310.167 χ^2/NDF:23.6/19

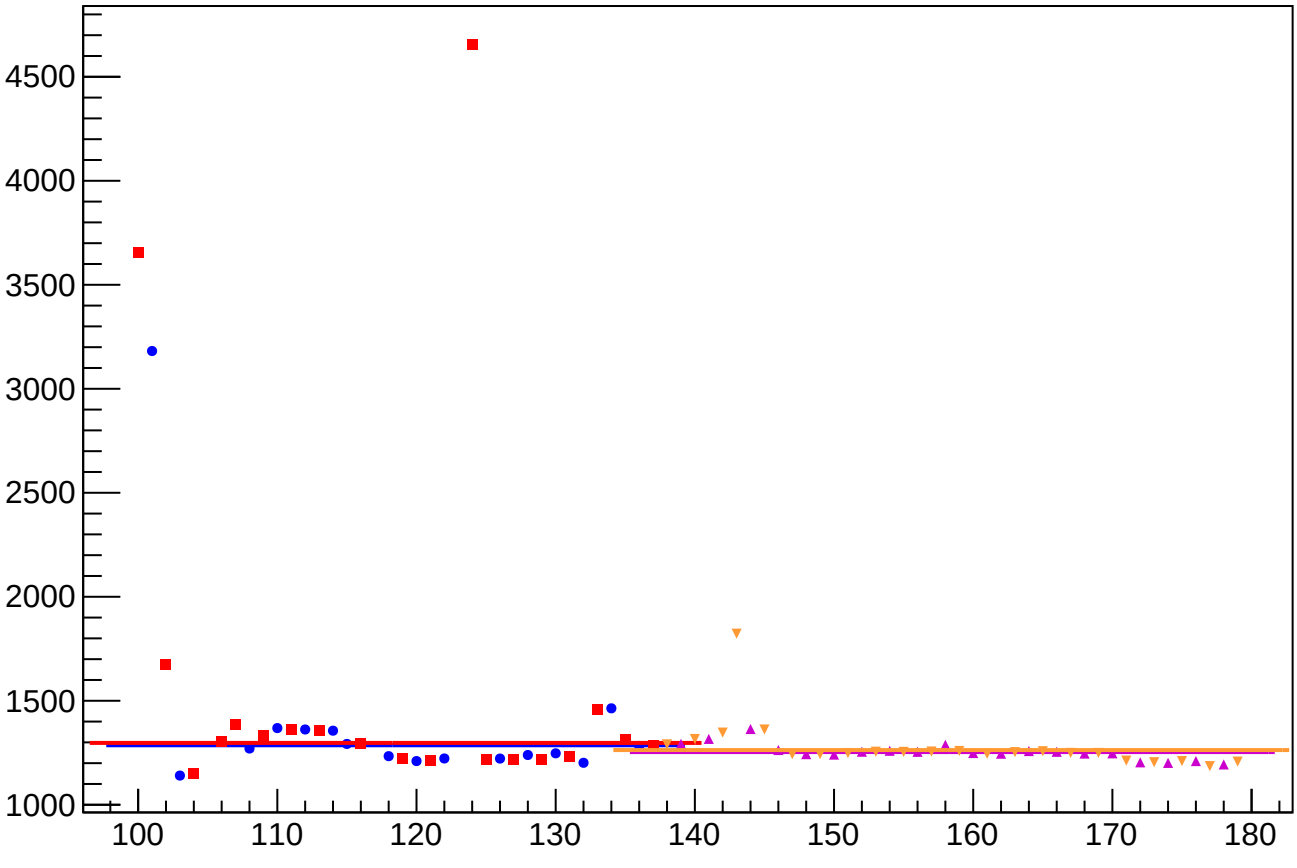
Left: -384.969+/-216.680 χ^2/NDF: 49.2/41

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -469.909+/-261.684 χ^2/NDF:37.6/35

Out: -412.673+/-257.068 χ^2/NDF:41.3/40

All: -440.782+/-183.385 χ^2/NDF: 78.9/76



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1262.976+/-0.214 χ^2/NDF:191424.8/21

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1258.295+/-0.153 χ^2/NDF: 223517.9/41

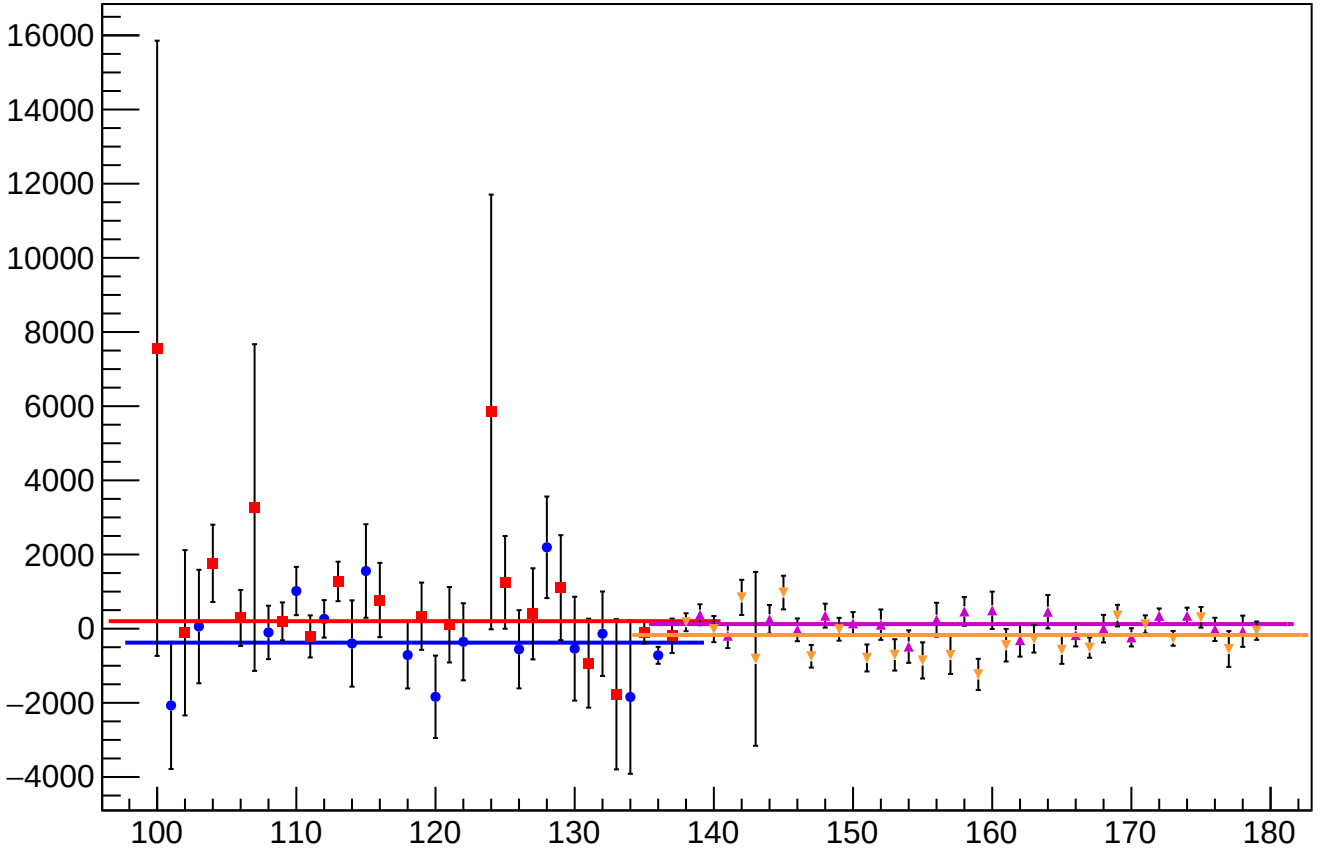
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1272.591+/-0.182 χ^2/NDF:526384.5/40

All: 1267.789+/-0.130 χ^2/NDF: 1083460.0/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -171.653+/-70.141 χ^2/NDF:42.8/21

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -28.078+/-50.302 χ^2/NDF: 64.6/41

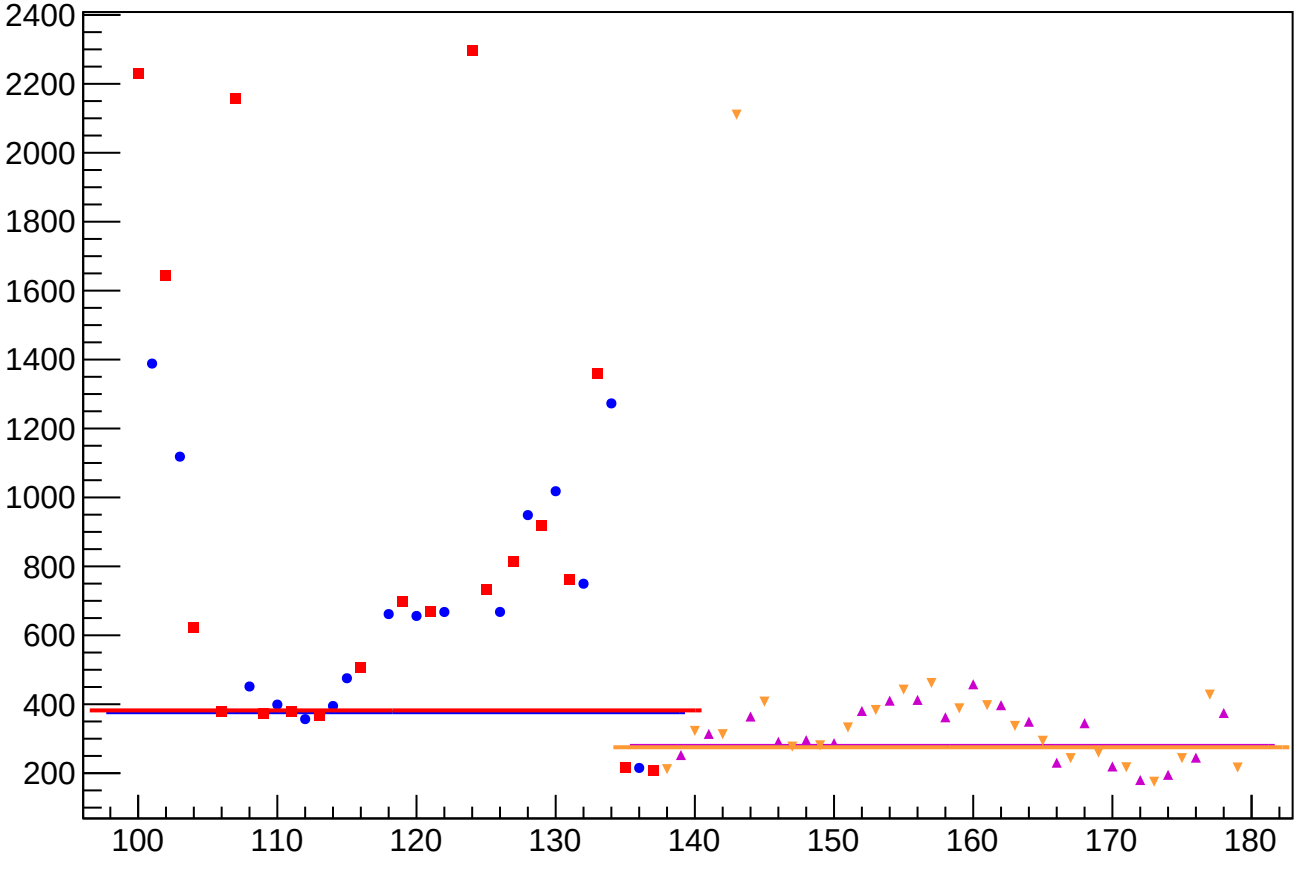
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -116.935+/-64.804 χ^2/NDF:61.0/40

All: -37.311+/-46.354 χ^2/NDF: 102.7/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 275.158+/-0.050 χ^2/NDF:3615319.1/21

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 279.109+/-0.051 χ^2/NDF:2292490.1/19

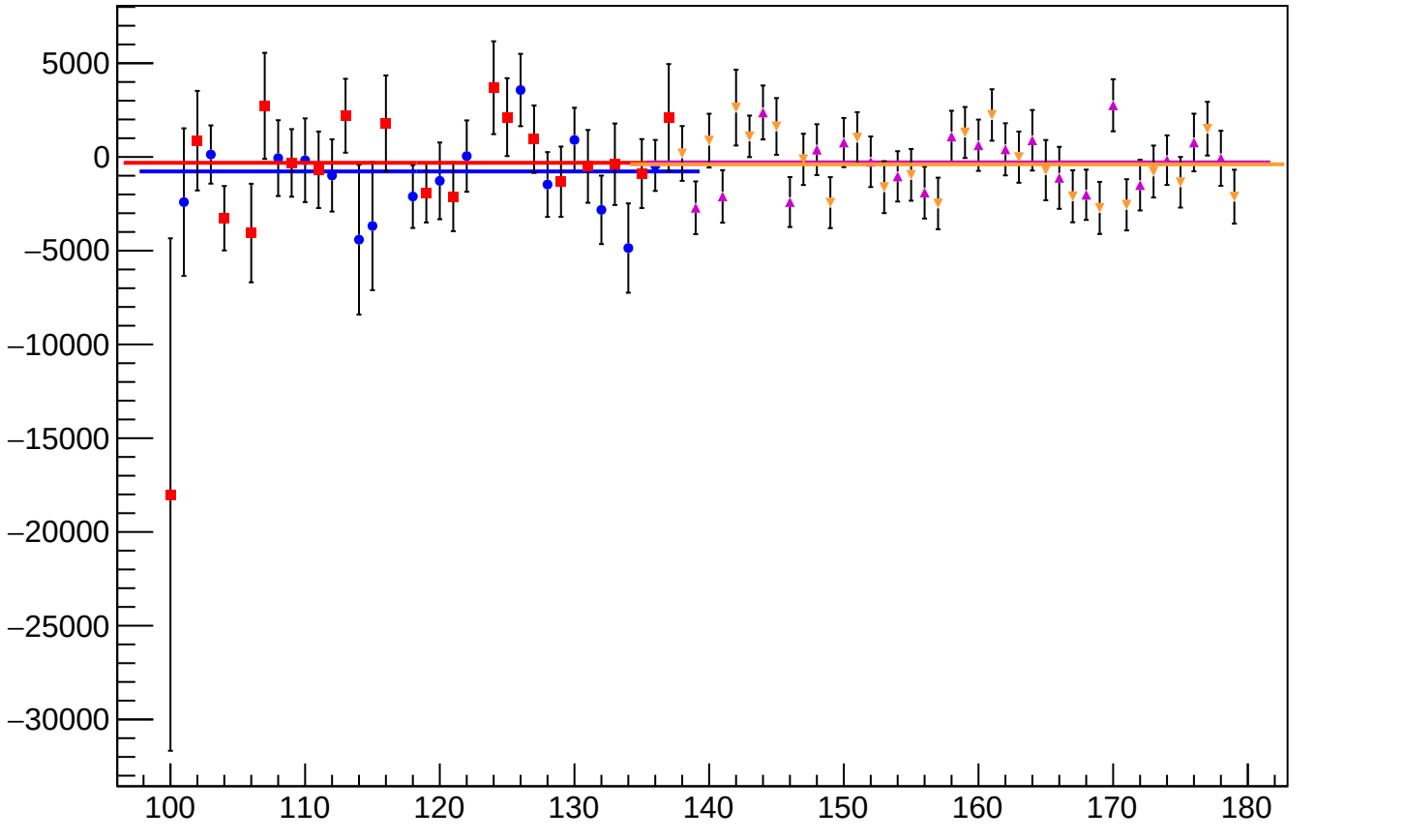
Left: 277.077+/-0.036 χ^2/NDF: 5910891.6/41

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 290.818+/-0.046 χ^2/NDF:8355956.0/40

All: 292.524+/-0.033 χ^2/NDF: 15415199.3/76



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -391.037+/-298.059 χ^2/NDF:29.4/21

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -288.852+/-312.718 χ^2/NDF:23.4/19

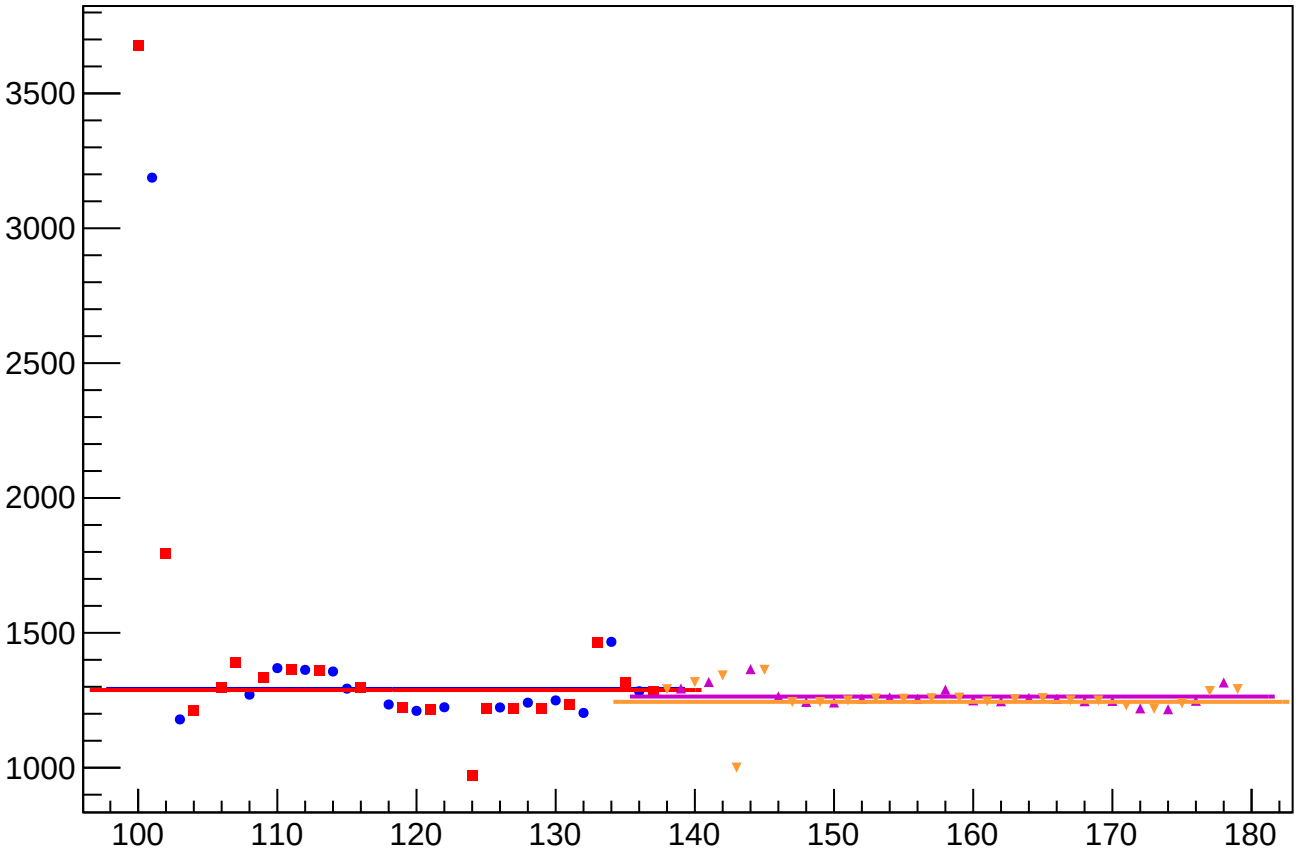
Left: -342.396+/-215.756 χ^2/NDF: 52.8/41

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -428.701+/-263.547 χ^2/NDF:37.7/35

Out: -369.055+/-253.598 χ^2/NDF:47.3/40

All: -397.731+/-182.737 χ^2/NDF: 85.1/76



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1244.181+/-0.211 χ^2/NDF:127011.8/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.3/19

Left: 1253.510+/-0.153 χ^2/NDF: 155384.9/41

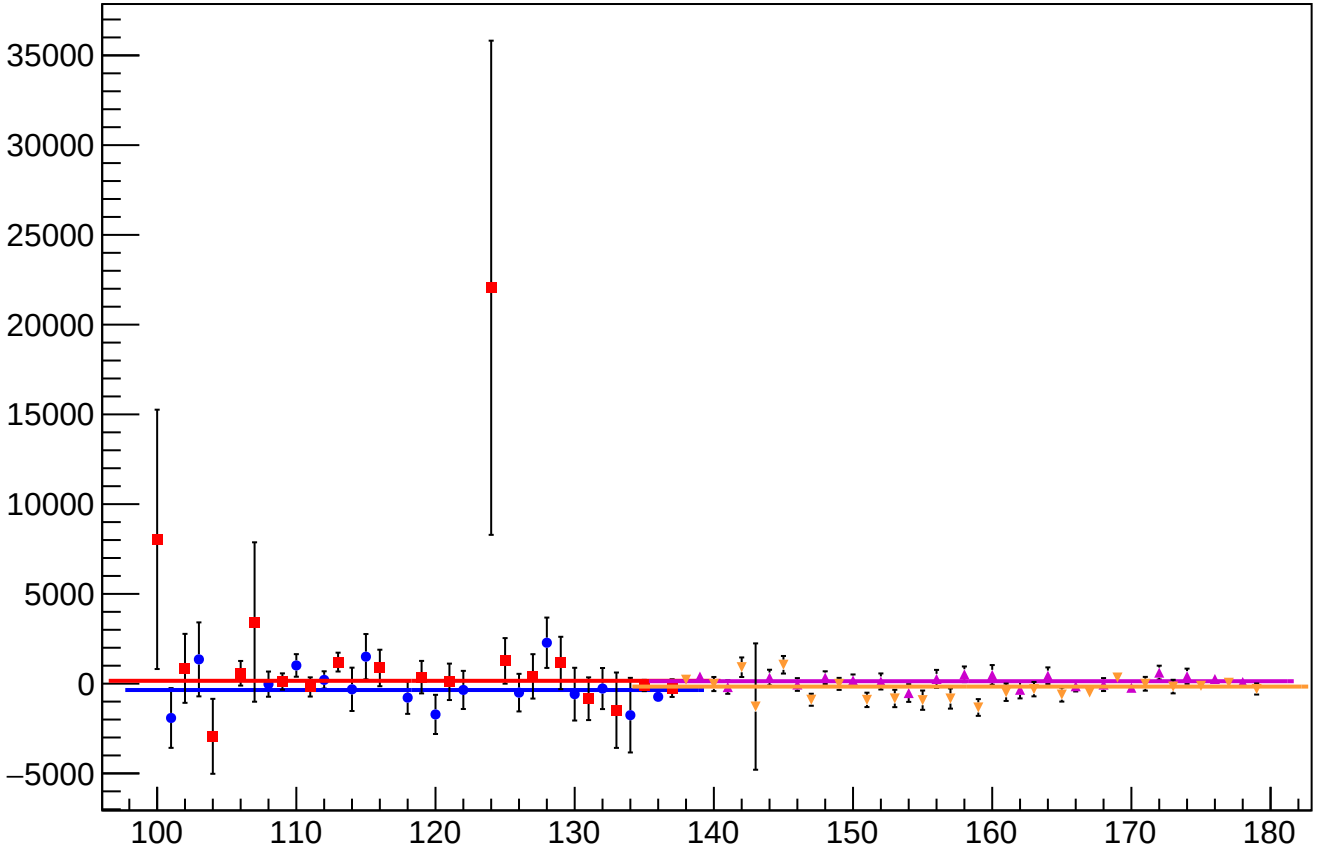
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.967+/-0.186 χ^2/NDF:538395.7/35

Out: 1256.276+/-0.179 χ^2/NDF:348148.2/40

All: 1263.820+/-0.129 χ^2/NDF: 890225.1/76

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -164.211+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 135.587+/-73.662 χ^2/NDF:13.0/19

Left: -27.344+/-49.771 χ^2/NDF: 63.8/41

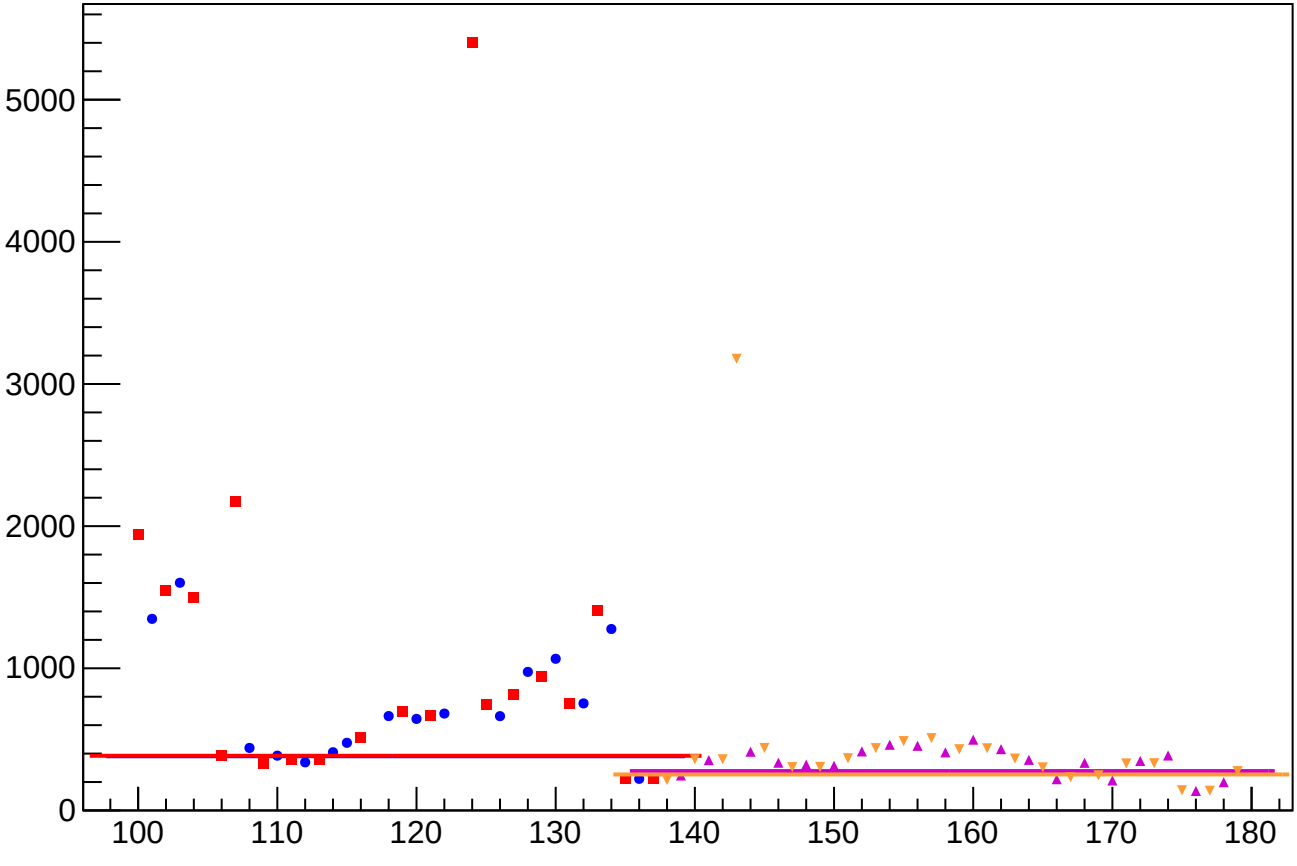
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 57.980+/-67.587 χ^2/NDF:38.5/35

Out: -120.176+/-62.729 χ^2/NDF:60.7/40

All: -37.731+/-45.978 χ^2/NDF: 102.9/76

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 253.247+/-0.048 χ^2/NDF:6289956.3/21

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 277.021+/-0.052 χ^2/NDF:3988205.7/19

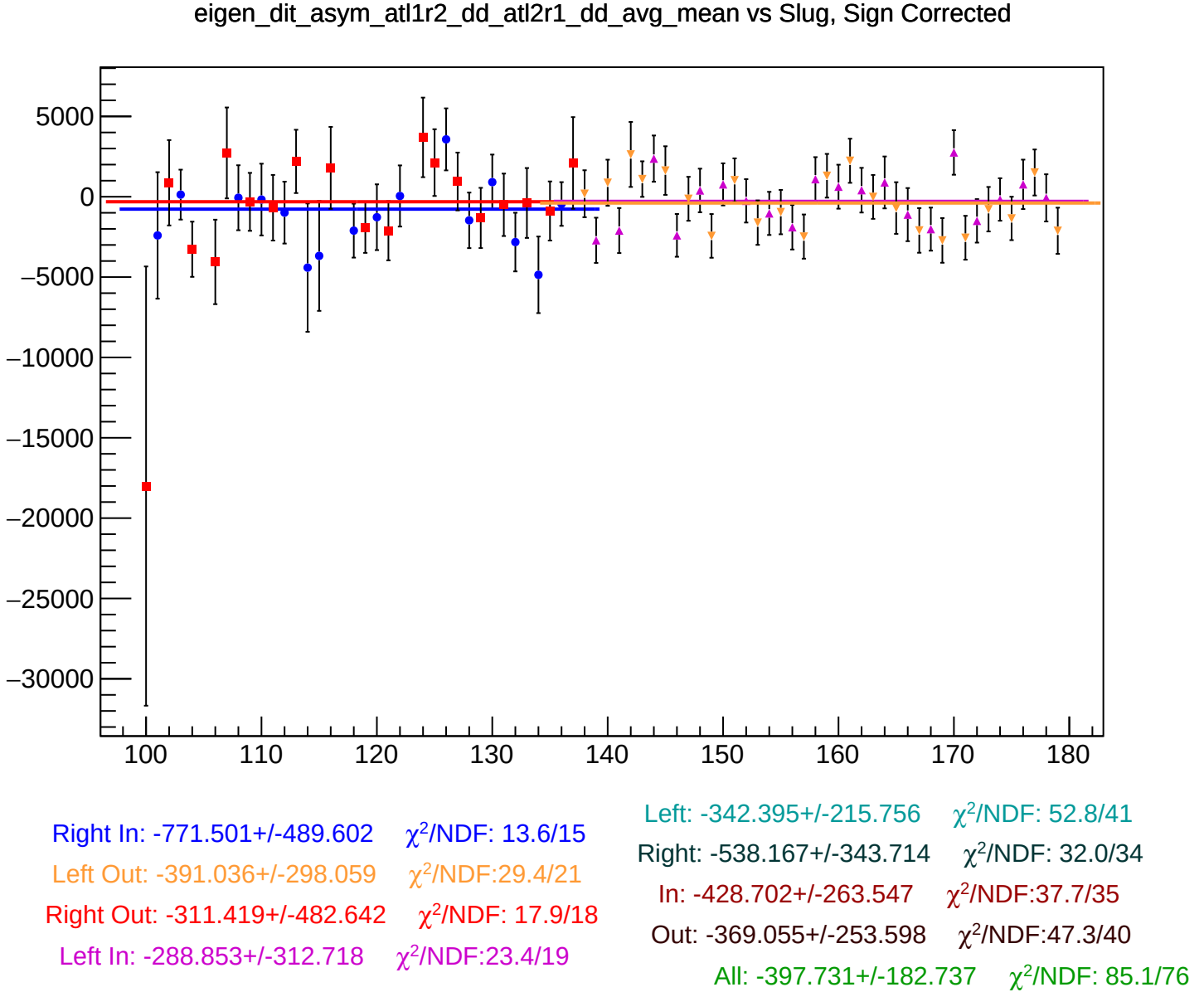
Left: 264.100+/-0.035 χ^2/NDF: 10391380.0/41

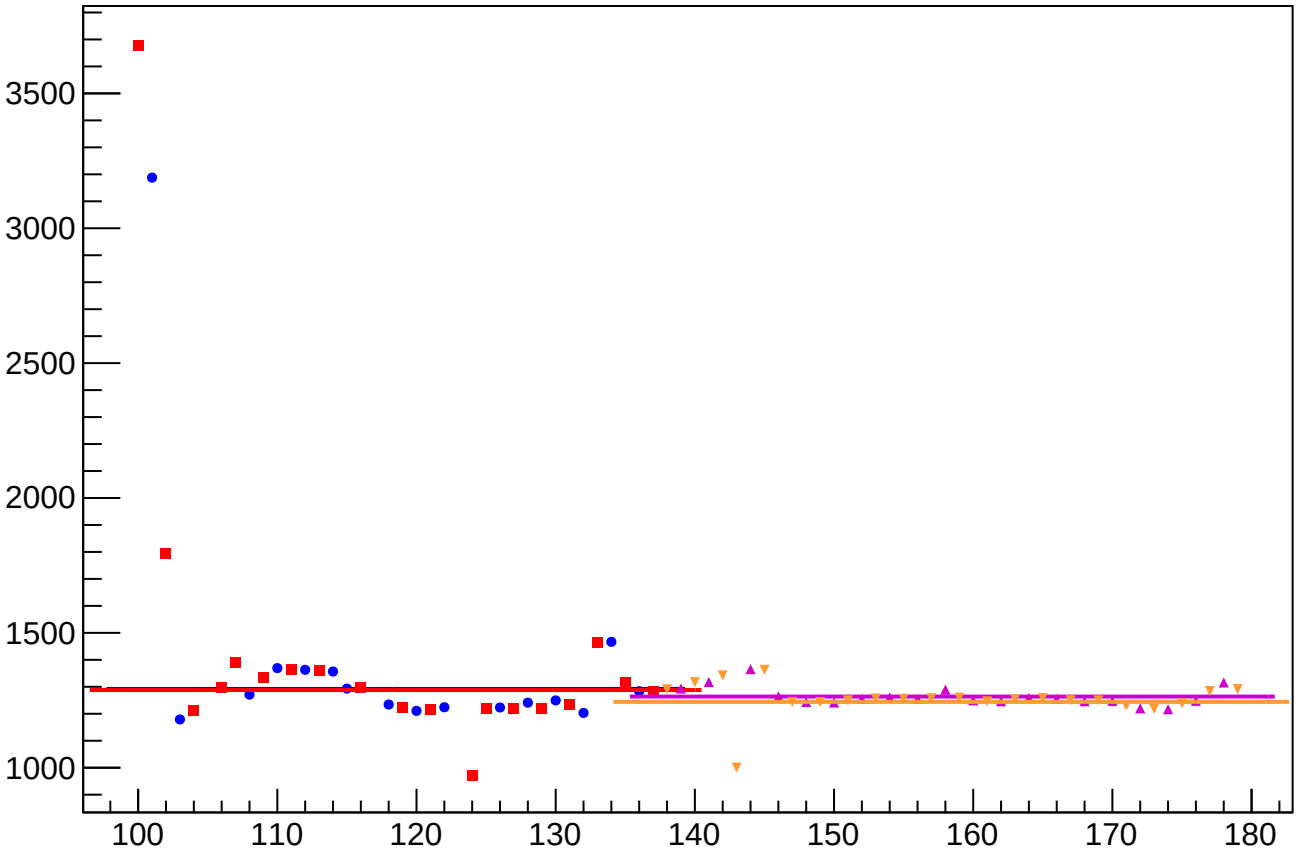
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 293.517+/-0.048 χ^2/NDF:8940493.5/35

Out: 271.209+/-0.044 χ^2/NDF:11885847.5/40

All: 281.533+/-0.033 χ^2/NDF: 20943388.8/76


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -391.036+/-298.059 χ²/NDF:29.4/21
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -288.853+/-312.718 χ²/NDF:23.4/19
Left: -342.395+/-215.756 χ²/NDF: 52.8/41
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -428.702+/-263.547 χ²/NDF:37.7/35
Out: -369.055+/-253.598 χ²/NDF:47.3/40
All: -397.731+/-182.737 χ²/NDF: 85.1/76



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1244.182+/-0.211 χ^2/NDF:127011.0/21

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1263.779+/-0.221 χ^2/NDF:24257.4/19

Left: 1253.510+/-0.153 χ^2/NDF: 155384.0/41

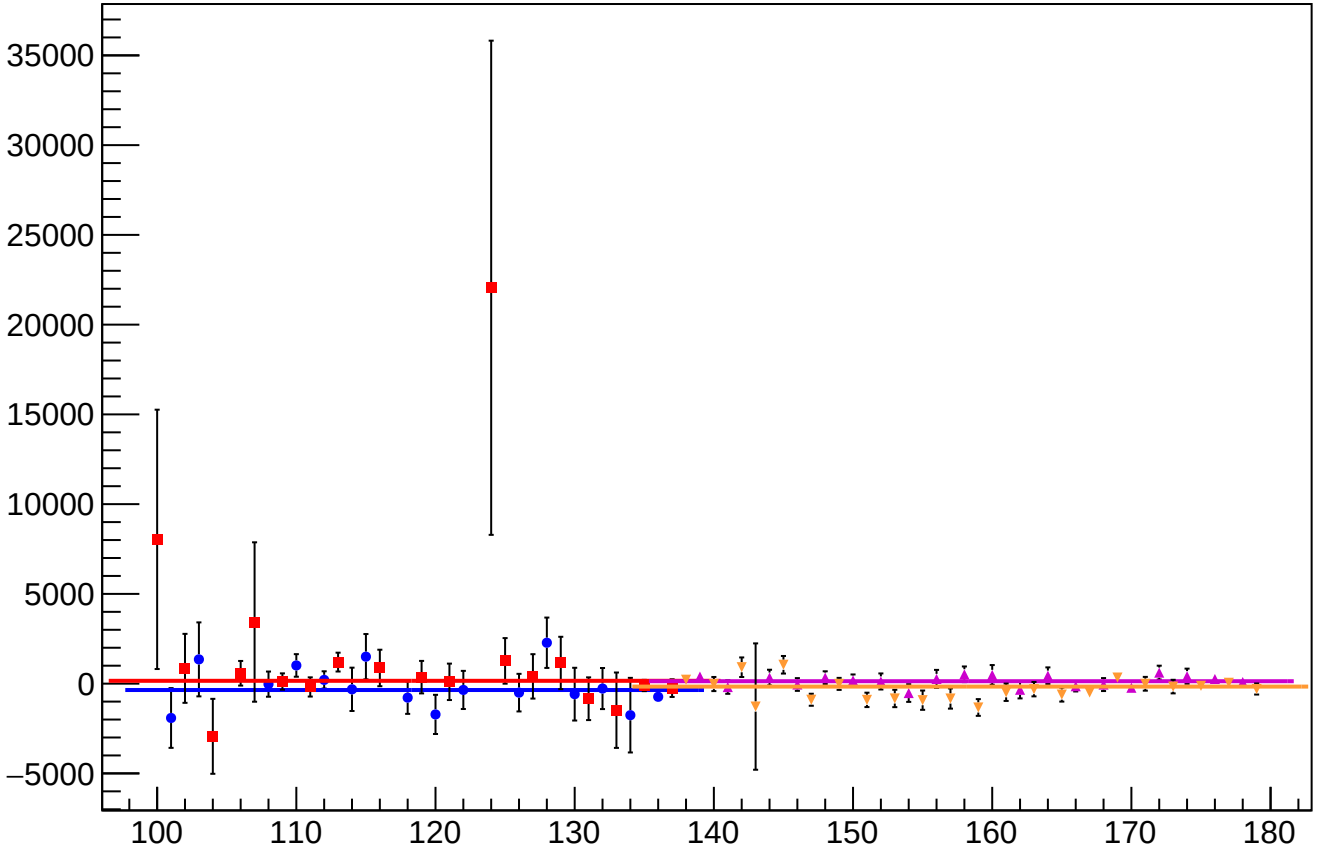
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.967+/-0.186 χ^2/NDF:538395.8/35

Out: 1256.276+/-0.179 χ^2/NDF:348147.6/40

All: 1263.820+/-0.129 χ^2/NDF: 890224.6/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -164.215+/-67.513 χ^2/NDF:41.7/21

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 135.586+/-73.662 χ^2/NDF:13.0/19

Left: -27.347+/-49.771 χ^2/NDF: 63.8/41

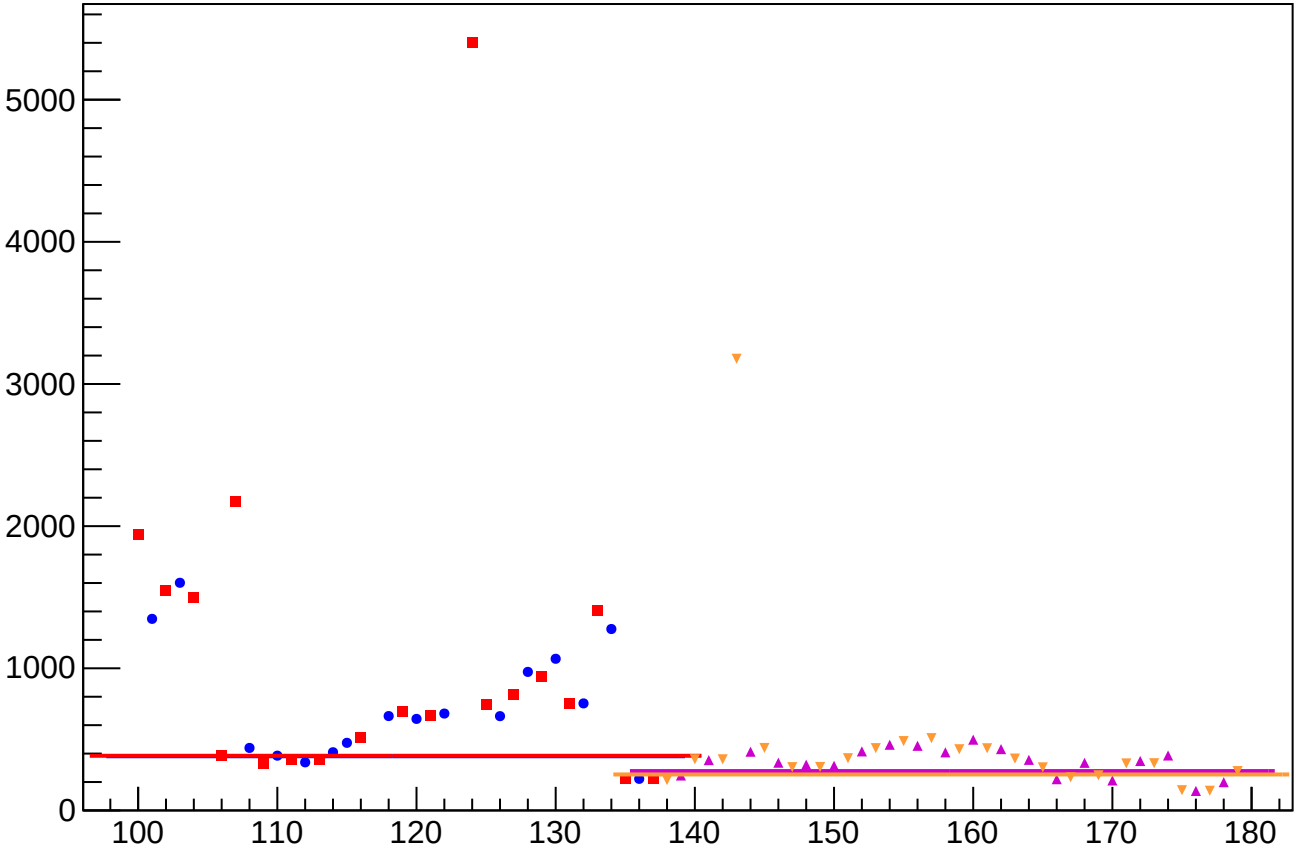
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 57.981+/-67.588 χ^2/NDF:38.5/35

Out: -120.180+/-62.729 χ^2/NDF:60.7/40

All: -37.732+/-45.978 χ^2/NDF: 102.9/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 253.248+/-0.048 χ^2/NDF:6289859.4/21

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 277.021+/-0.052 χ^2/NDF:3988159.1/19

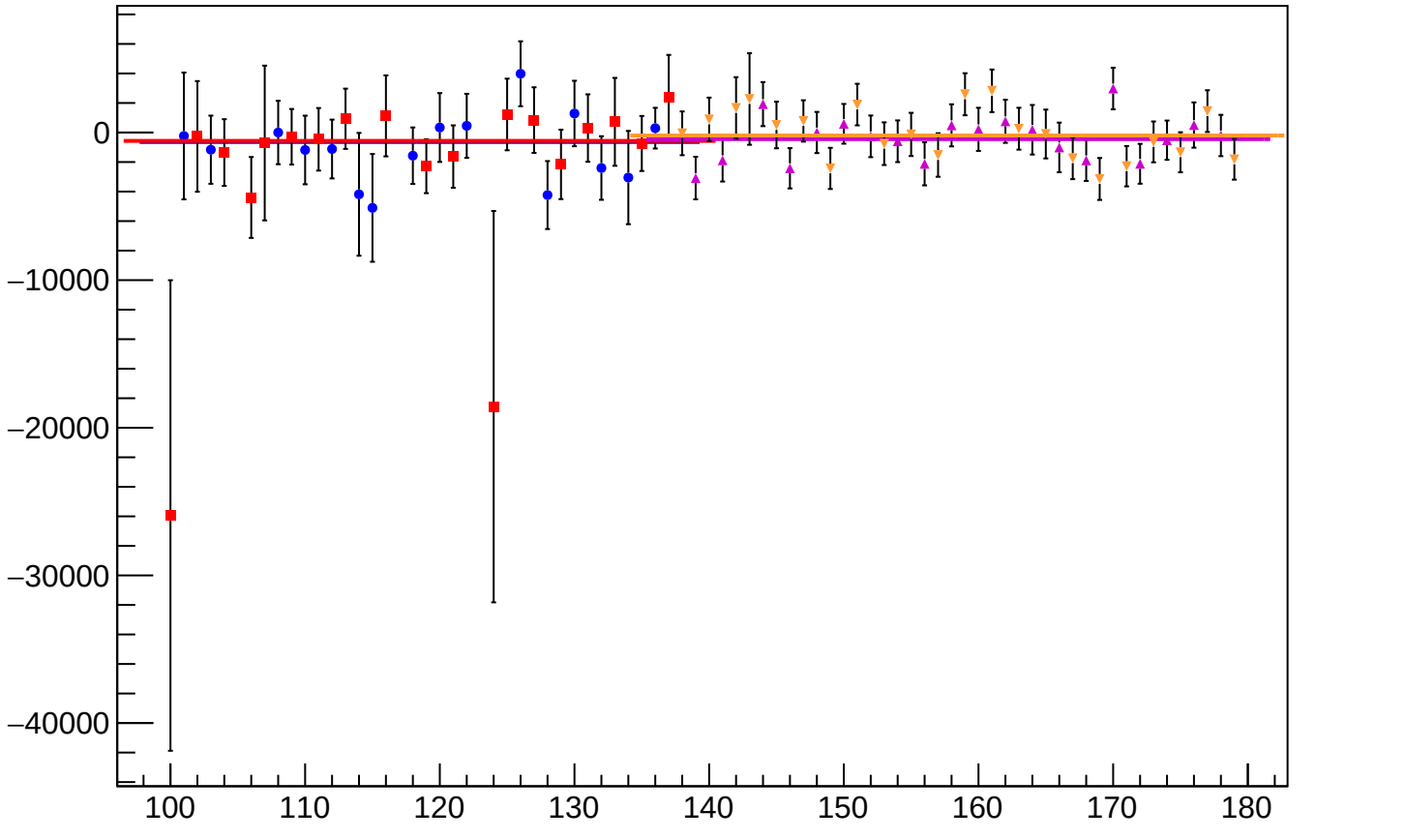
Left: 264.102+/-0.035 χ^2/NDF: 10391230.0/41

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 293.519+/-0.048 χ^2/NDF:8940354.1/35

Out: 271.211+/-0.044 χ^2/NDF:11885684.6/40

All: 281.535+/-0.033 χ^2/NDF: 20943083.6/76



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -202.303+/-315.585 χ^2/NDF:28.1/21

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -446.954+/-321.102 χ^2/NDF:21.5/19

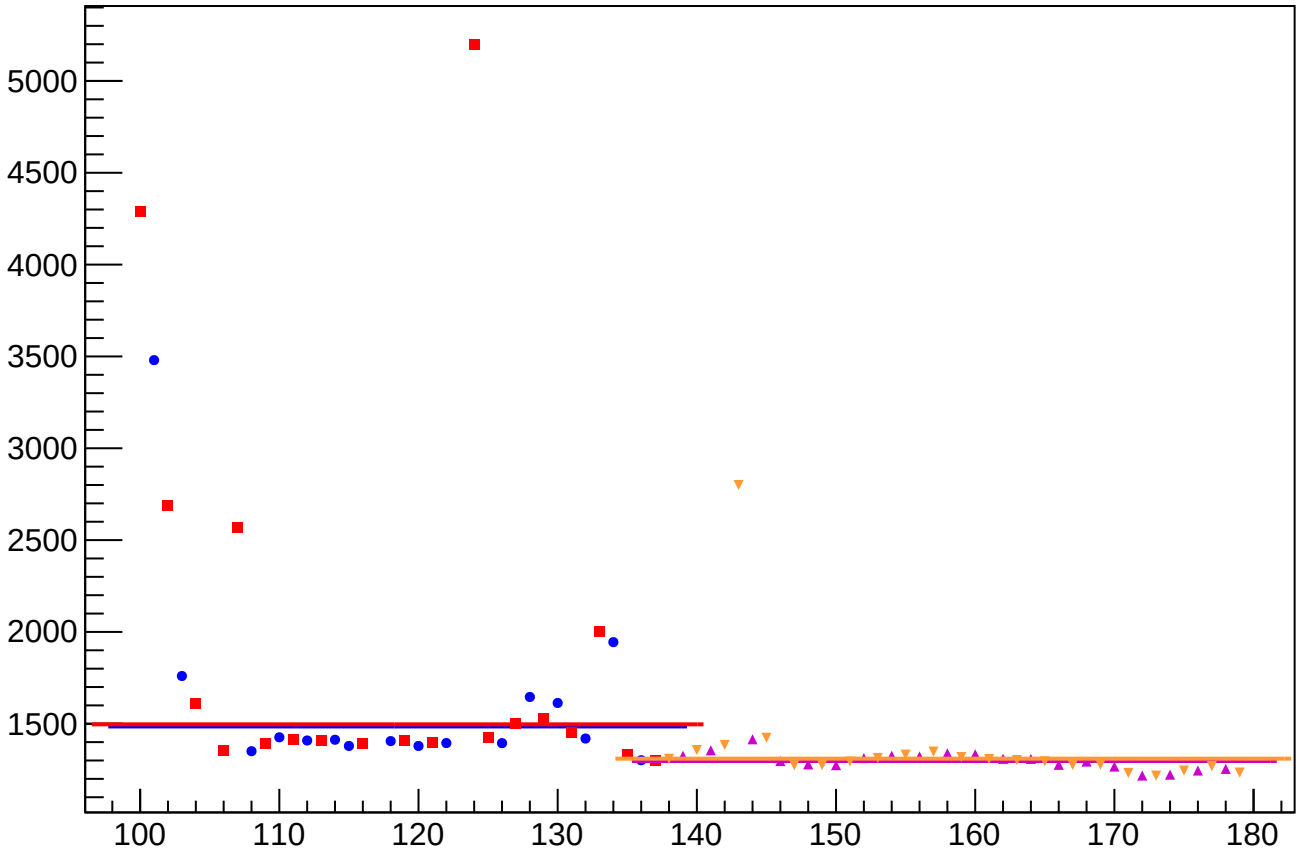
Left: -322.508+/-225.077 χ^2/NDF: 49.9/41

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -494.365+/-279.091 χ^2/NDF:34.1/35

Out: -288.673+/-275.724 χ^2/NDF:39.7/40

All: -390.271+/-196.146 χ^2/NDF: 74.1/76



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1310.023+/-0.223 χ^2/NDF:510839.7/21

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1297.339+/-0.227 χ^2/NDF:40935.2/19

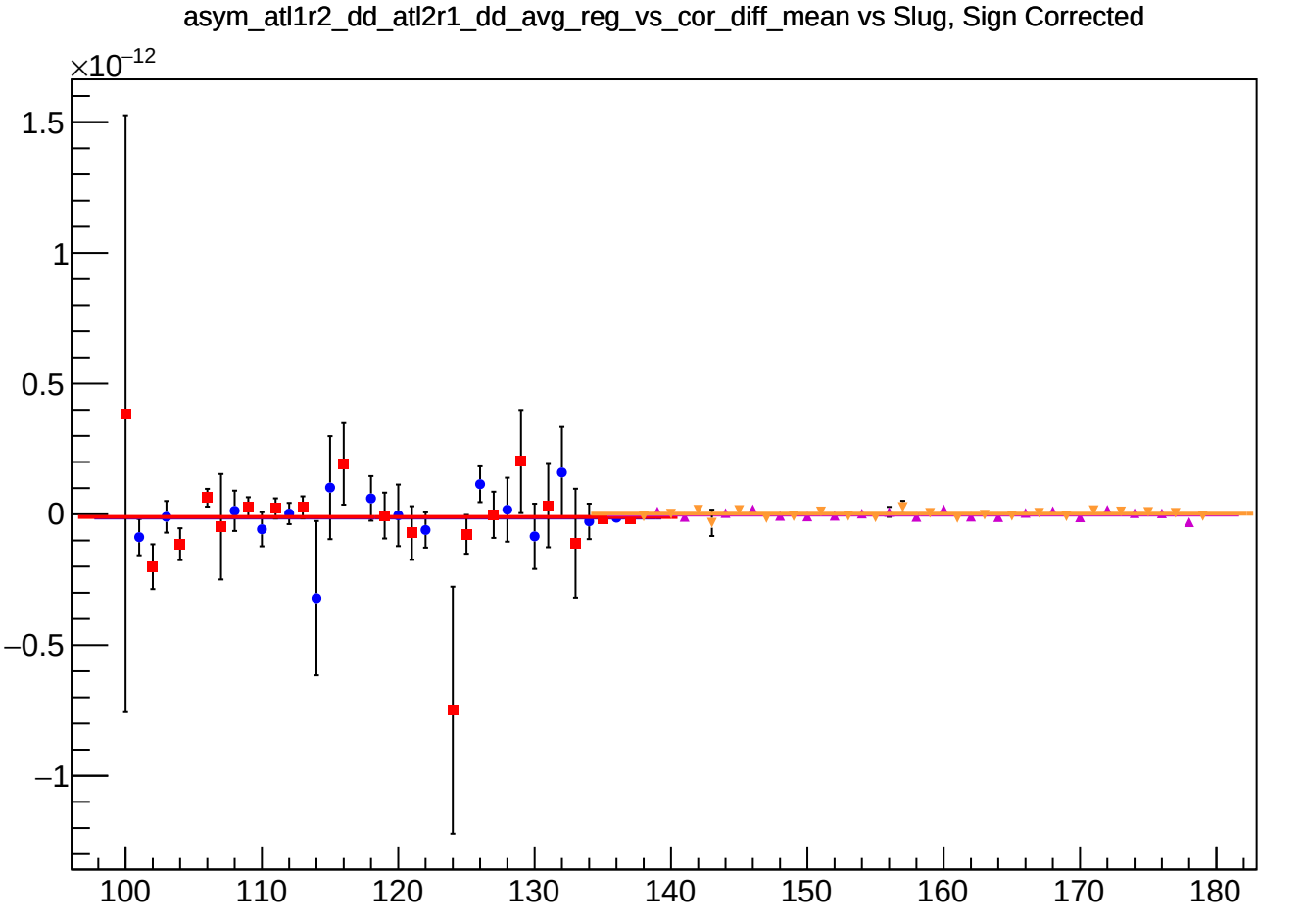
Left: 1303.791+/-0.159 χ^2/NDF: 553362.3/41

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1343.322+/-0.197 χ^2/NDF:793121.2/35

Out: 1354.242+/-0.195 χ^2/NDF:1300045.8/40

All: 1348.848+/-0.139 χ^2/NDF: 2094716.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/19

Left: 0.000+/-0.000 χ^2/NDF: 46.1/41

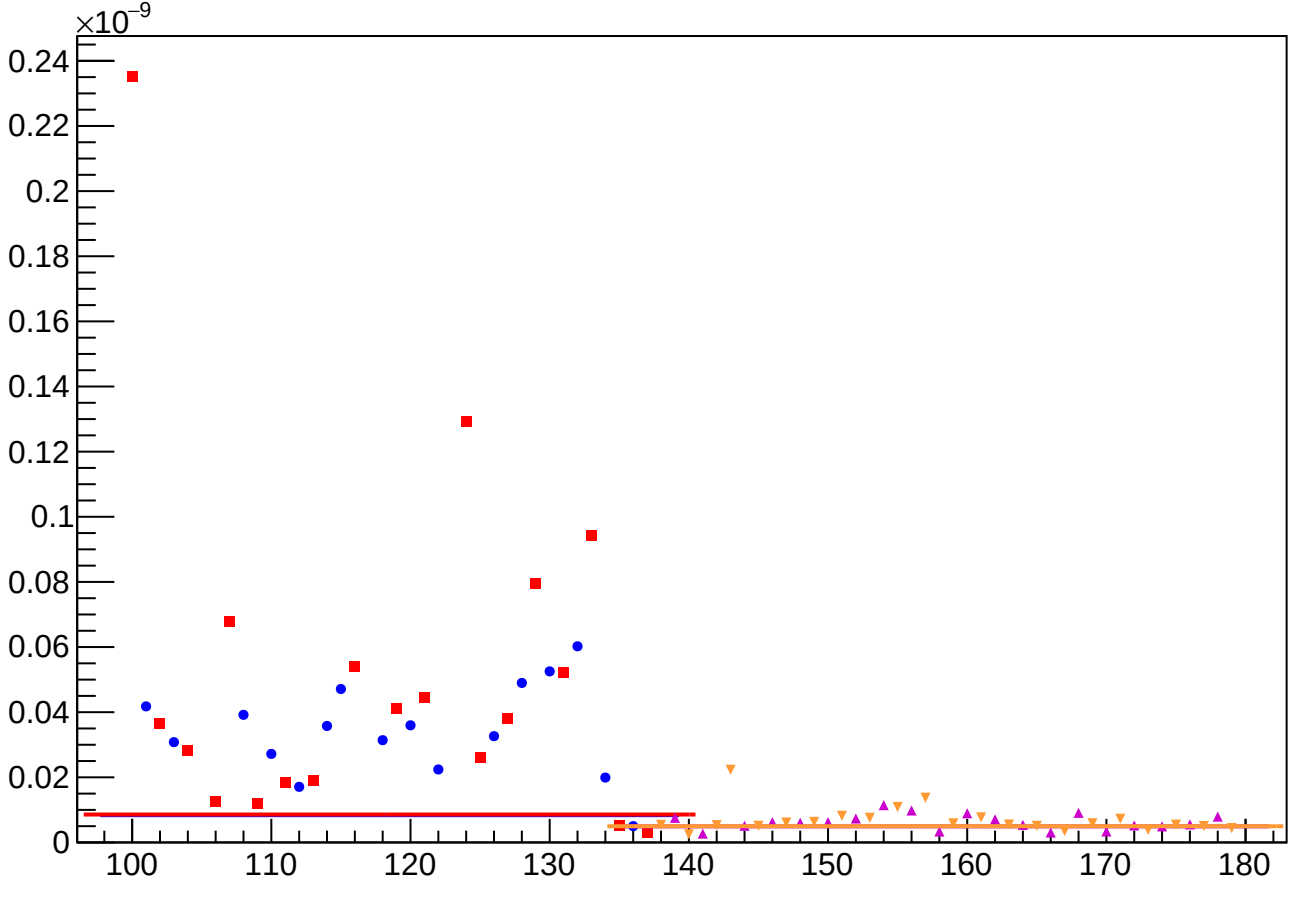
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: 0.000+/-0.000 χ^2/NDF:44.4/40

All: -0.000+/-0.000 χ^2/NDF: 82.4/76

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1893844.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1762003.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3656306.7/41

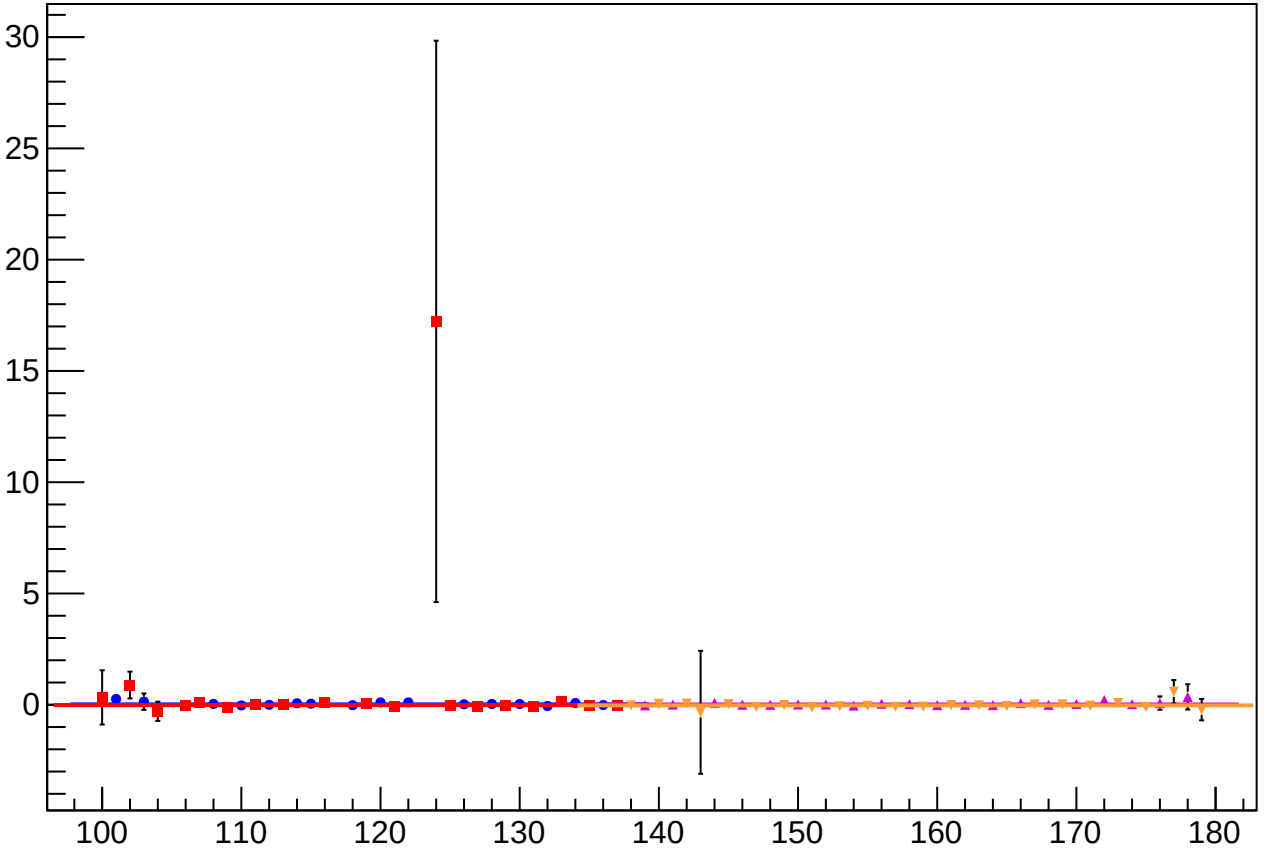
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5217173.0/35

Out: 0.000+/-0.000 χ^2/NDF:5619521.9/40

All: 0.000+/-0.000 χ^2/NDF: 10836694.9/76

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

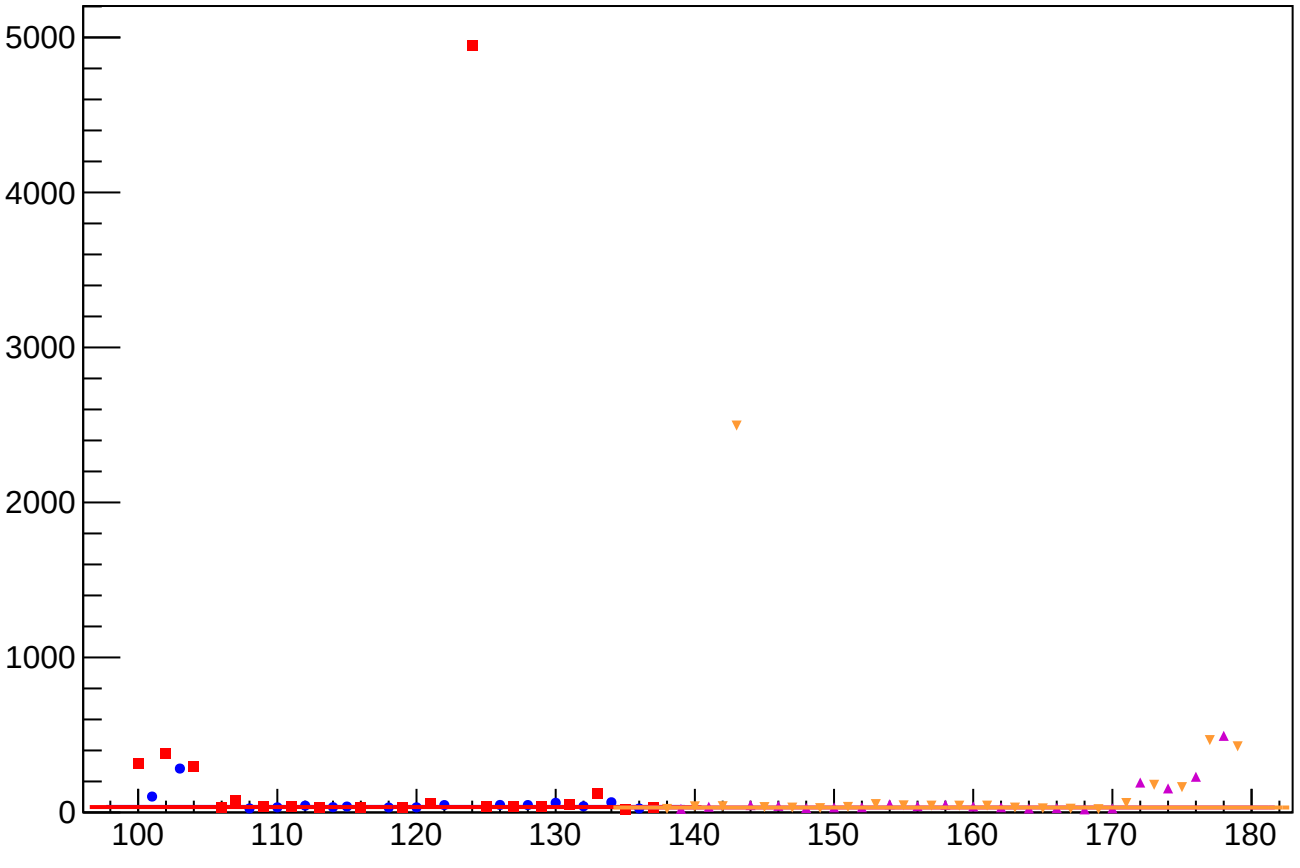
Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

Left: 32.067+/-0.005 χ^2/NDF: 13985093.9/41

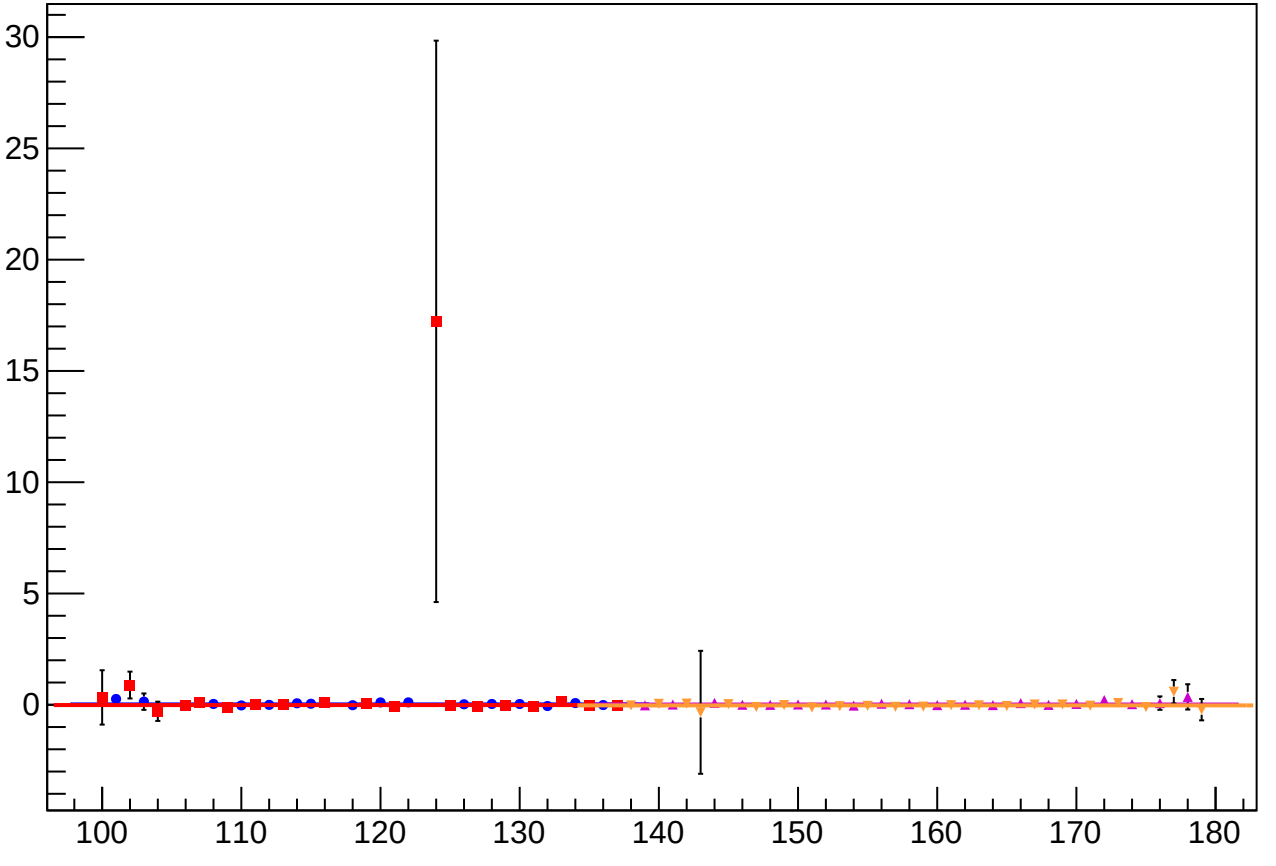
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

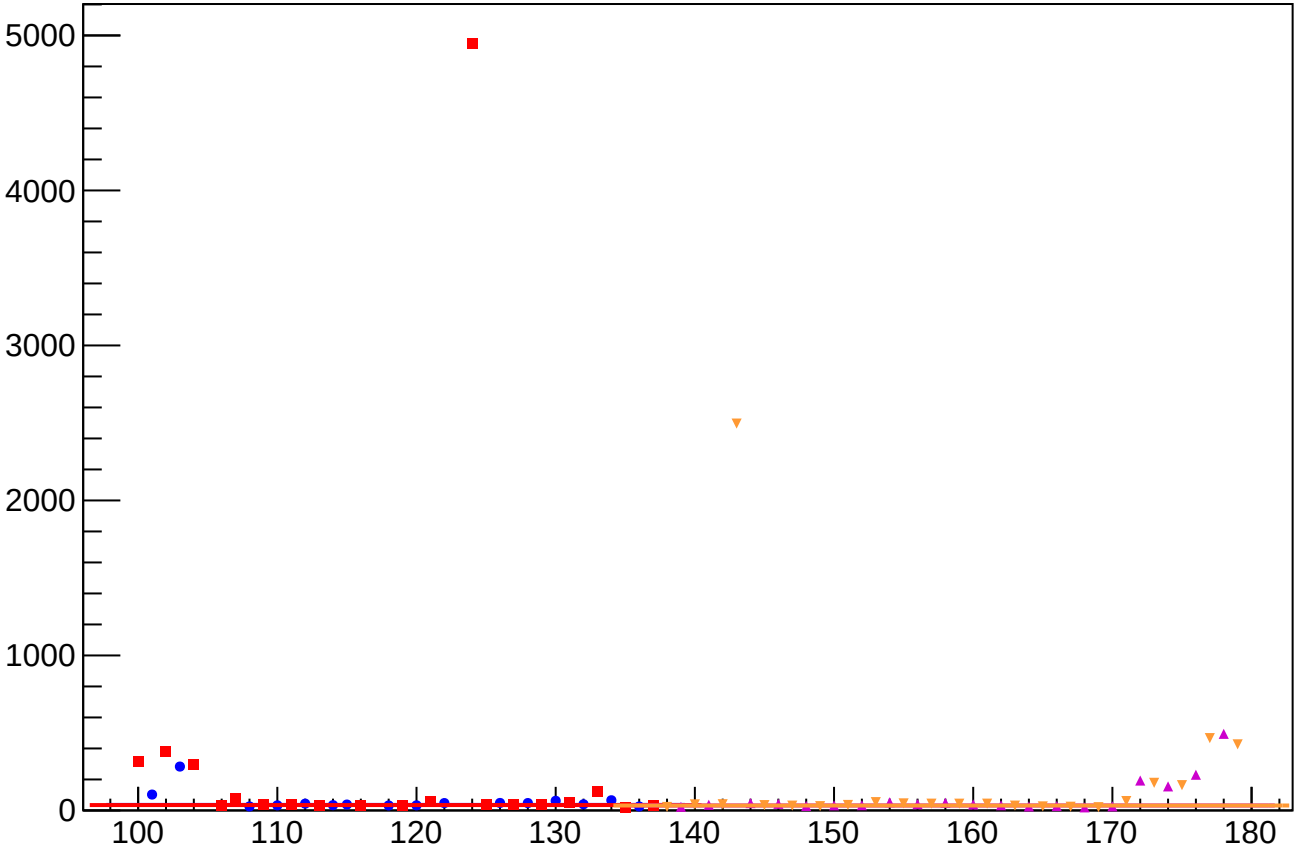
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.974+/-0.007 χ^2/NDF:8032902.7/21

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.159+/-0.007 χ^2/NDF:5951814.5/19

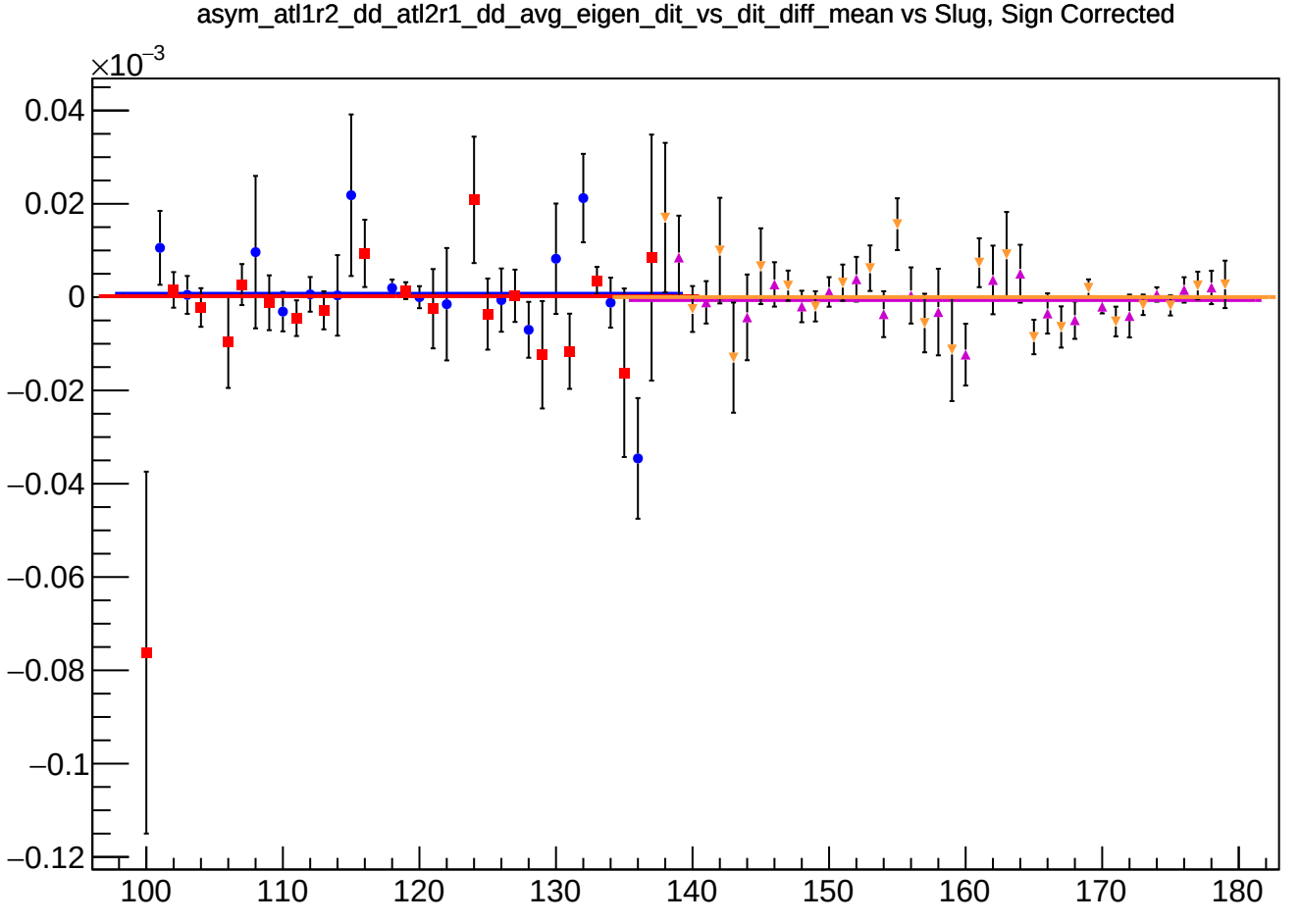
Left: 32.067+/-0.005 χ^2/NDF: 13985093.9/41

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.740+/-0.006 χ^2/NDF:10994637.0/40

All: 32.943+/-0.004 χ^2/NDF: 19291746.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/19

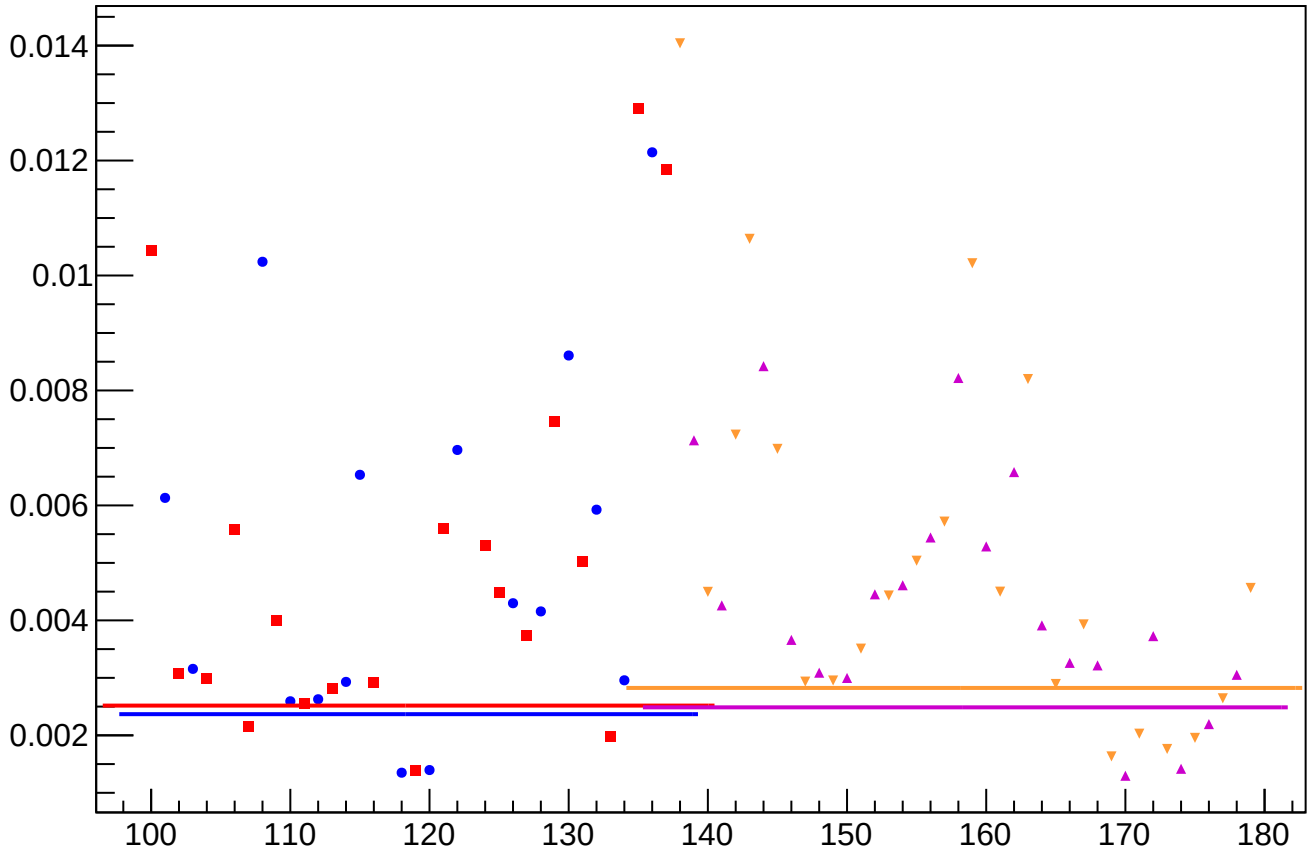
Left: -0.000+/-0.000 χ^2/NDF: 46.6/41

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.8/35

Out: 0.000+/-0.000 χ^2/NDF:51.6/40

All: -0.000+/-0.000 χ^2/NDF: 84.6/76



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7872903.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7615566.6/19

Left: 0.003+/-0.000 χ^2/NDF: 15679414.5/41

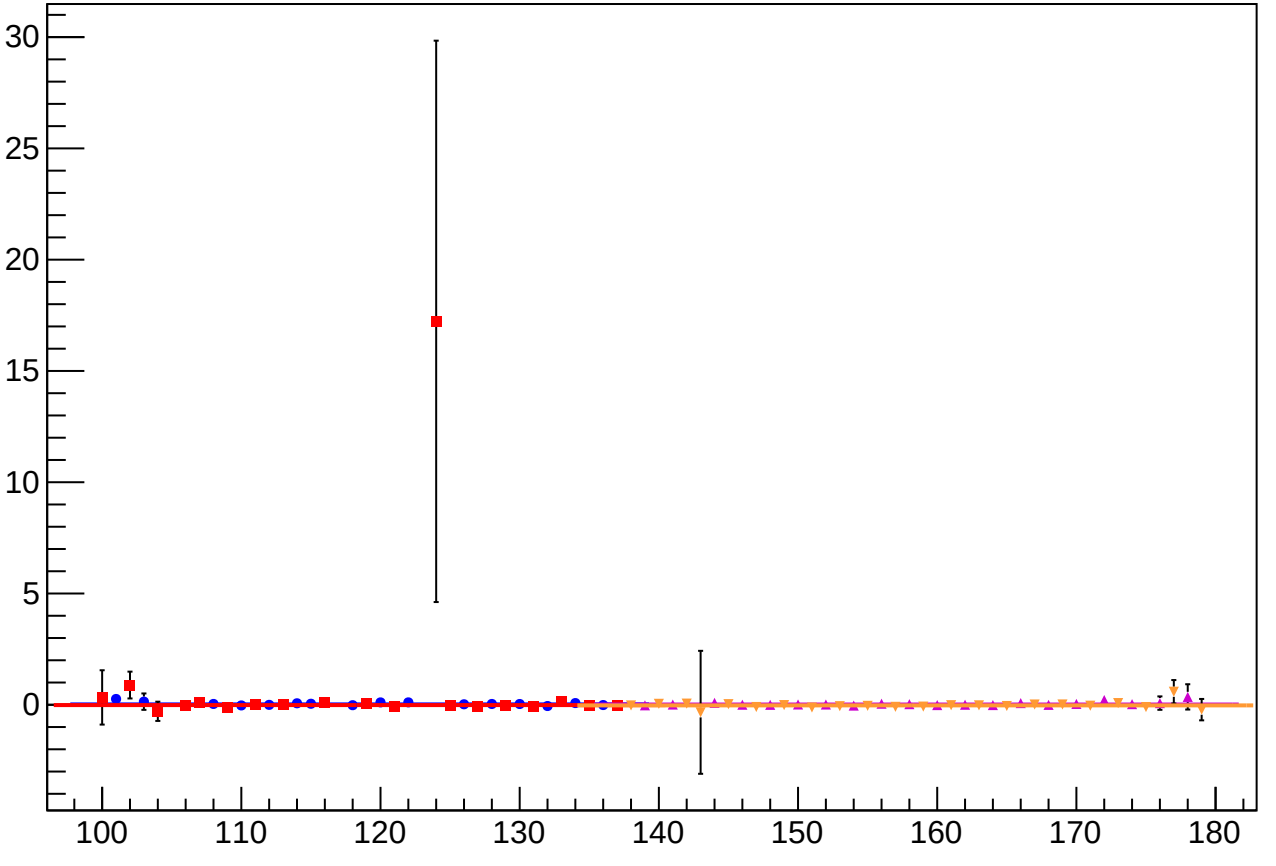
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12352907.7/35

Out: 0.003+/-0.000 χ^2/NDF:11377474.8/40

All: 0.003+/-0.000 χ^2/NDF: 23908327.2/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

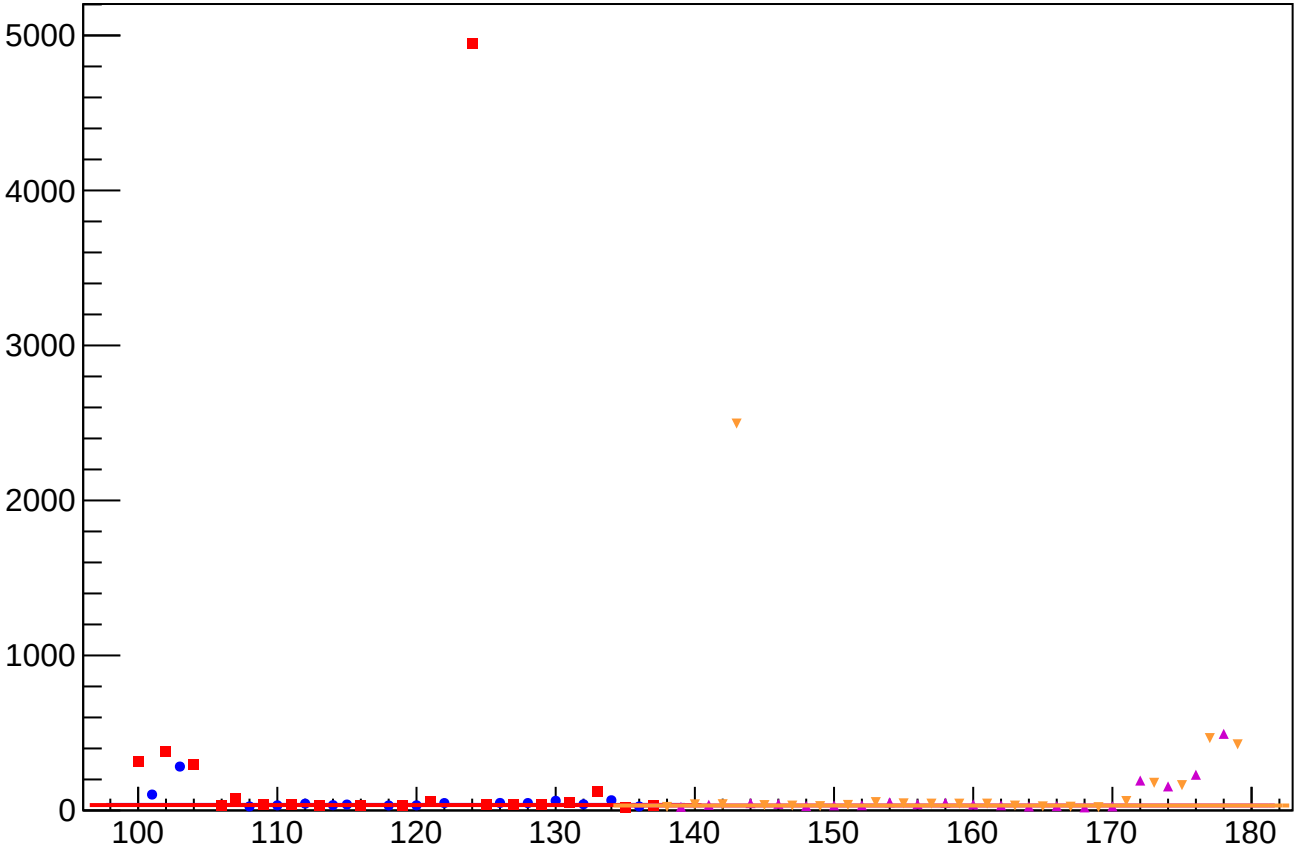
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

Left: 32.066+/-0.005 χ^2/NDF: 13985946.5/41

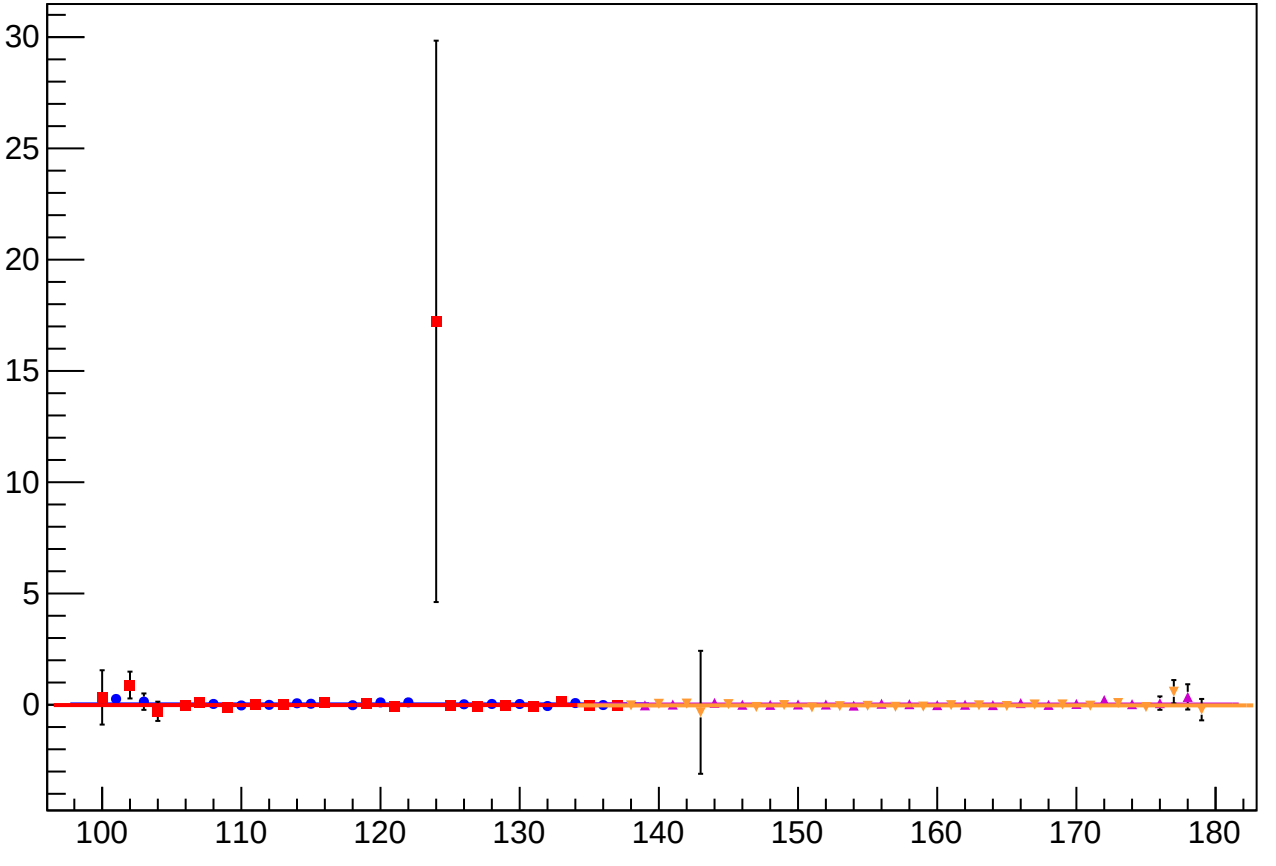
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:25.3/21

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.7/41

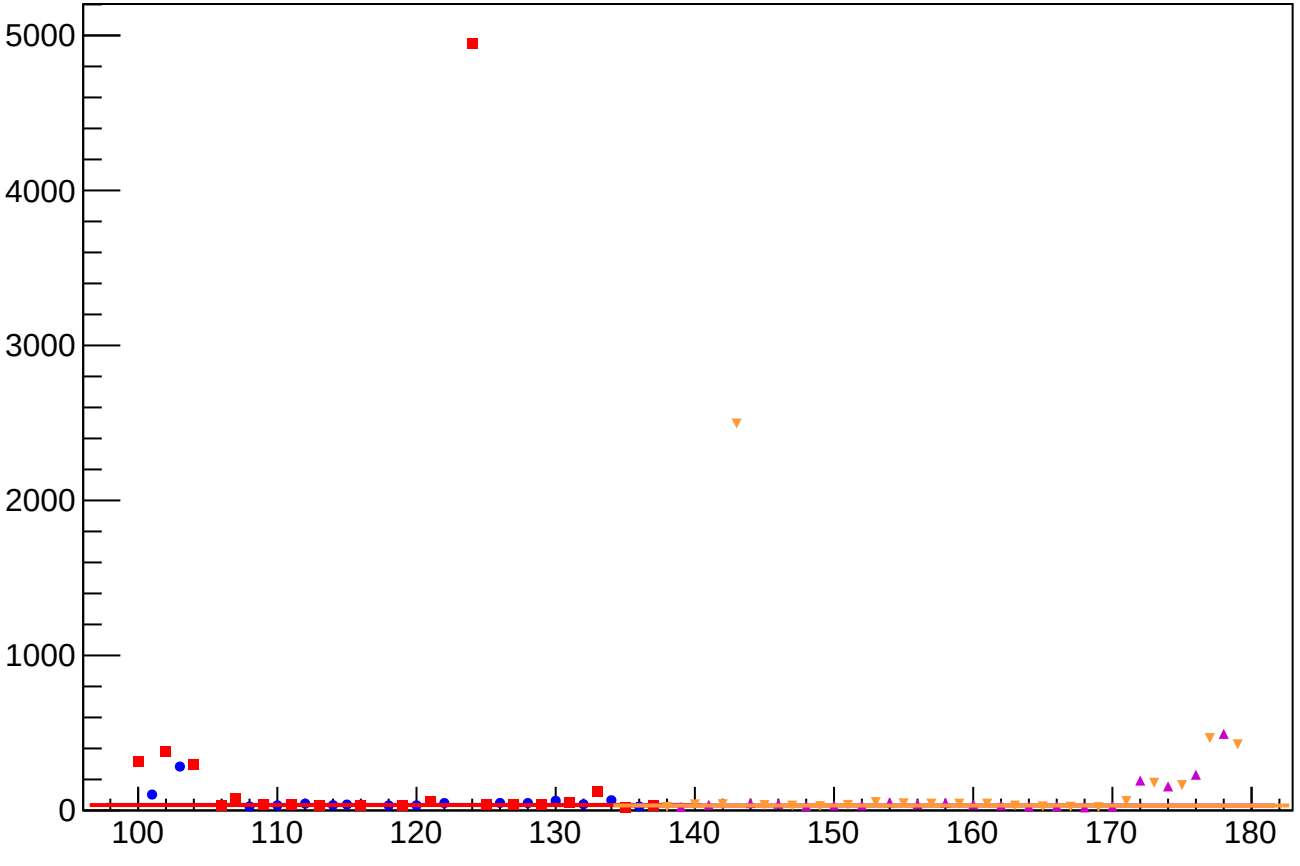
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.9/40

All: -0.005+/-0.006 χ^2/NDF: 74.7/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.974+/-0.007 χ^2/NDF:8033157.1/21

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.157+/-0.007 χ^2/NDF:5952417.1/19

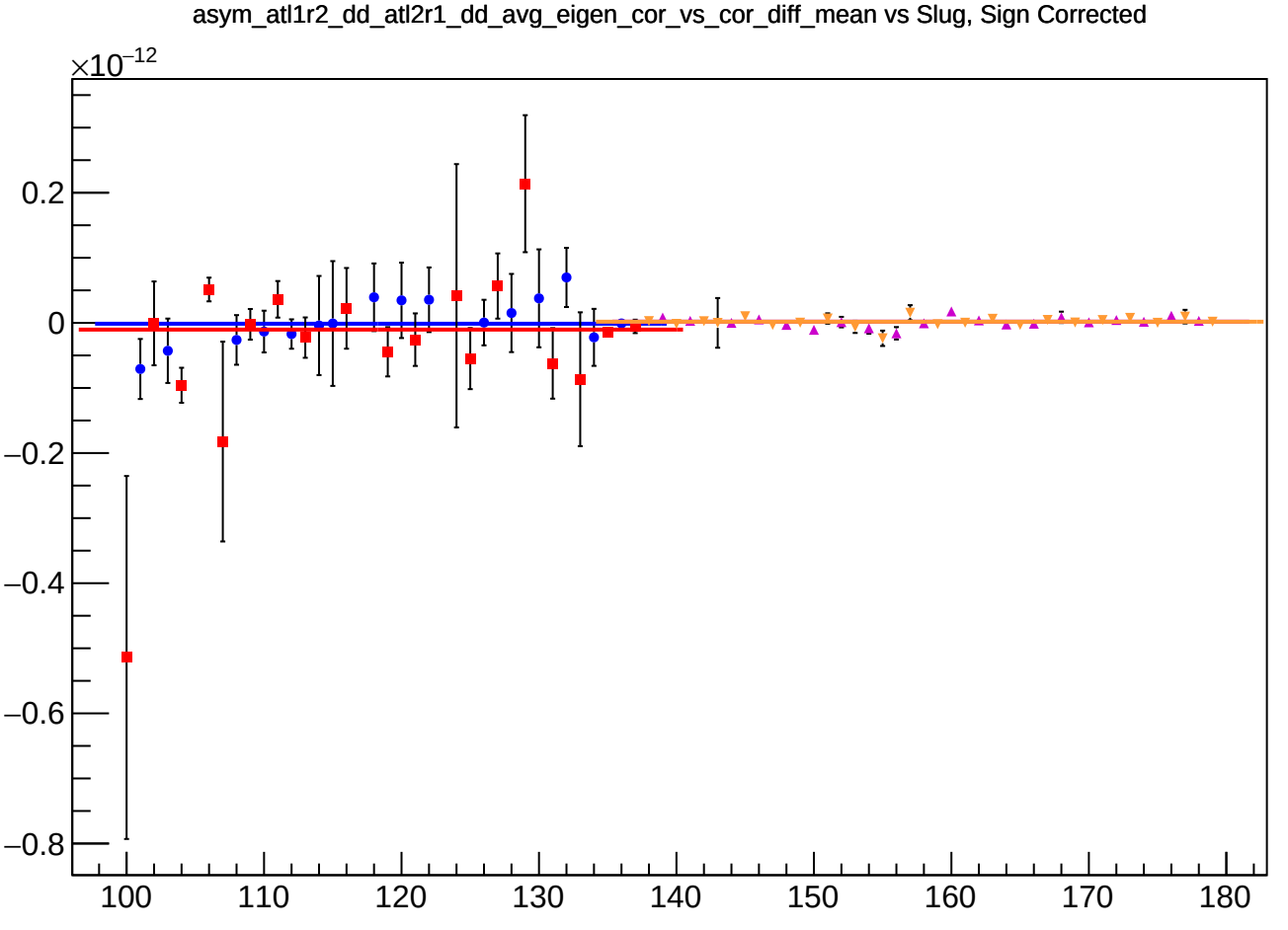
Left: 32.066+/-0.005 χ^2/NDF: 13985946.5/41

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

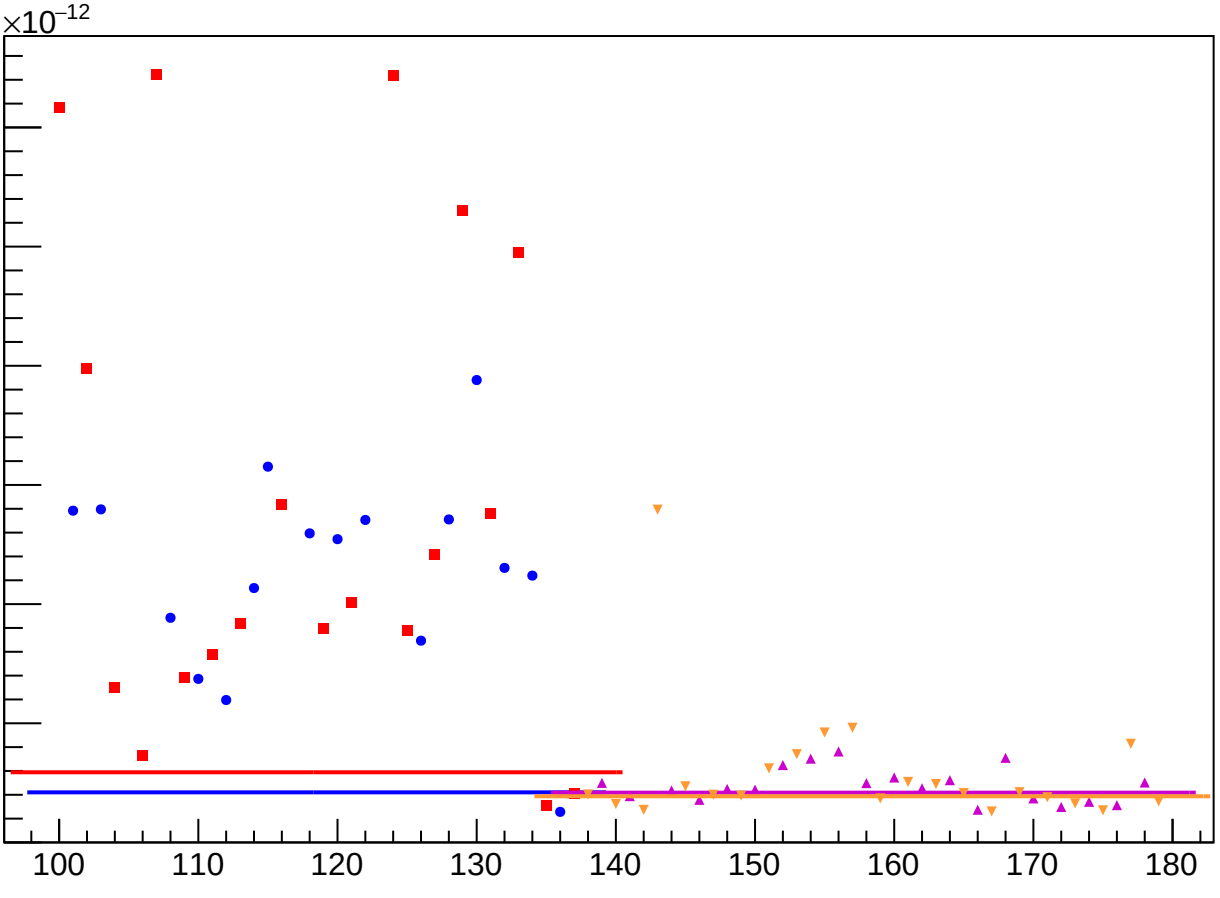
In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.740+/-0.006 χ^2/NDF:10994754.2/40

All: 32.942+/-0.004 χ^2/NDF: 19292302.1/76


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:23.0/19
Left: 0.000+/-0.000 χ²/NDF: 38.4/41
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:32.3/35
Out: 0.000+/-0.000 χ²/NDF:63.1/40
All: 0.000+/-0.000 χ²/NDF: 95.6/76

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3302086.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1691644.8/19

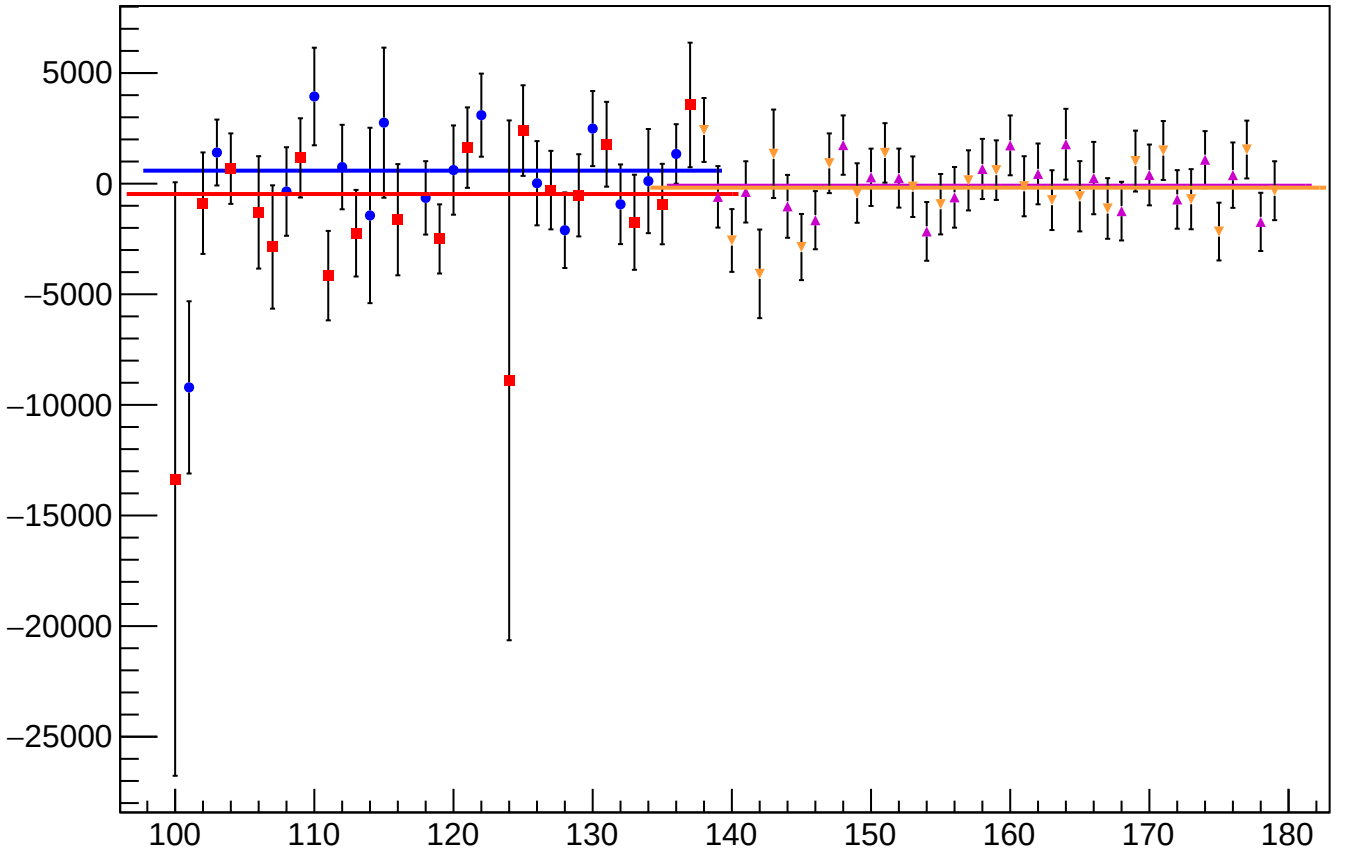
Left: 0.000+/-0.000 χ^2/NDF: 5054084.5/41

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6771960.1/35

Out: 0.000+/-0.000 χ^2/NDF:8592833.7/40

All: 0.000+/-0.000 χ^2/NDF: 15381988.6/76



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.648+/-299.752 χ^2/NDF:23.7/21

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -92.918+/-307.018 χ^2/NDF:13.9/19

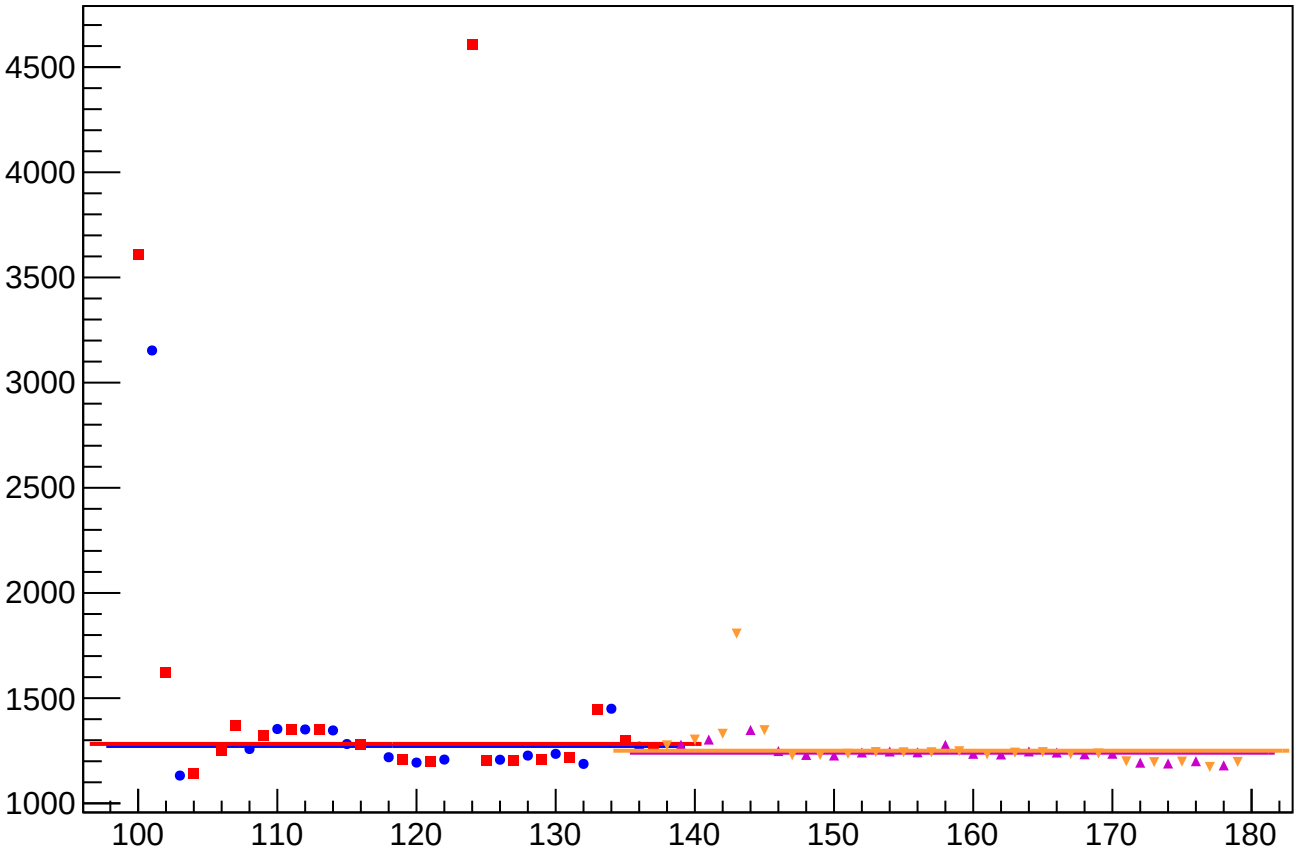
Left: -138.345+/-214.479 χ^2/NDF: 37.6/41

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 103.053+/-259.016 χ^2/NDF:32.4/35

Out: -262.147+/-254.324 χ^2/NDF:40.8/40

All: -82.885+/-181.470 χ^2/NDF: 74.2/76



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

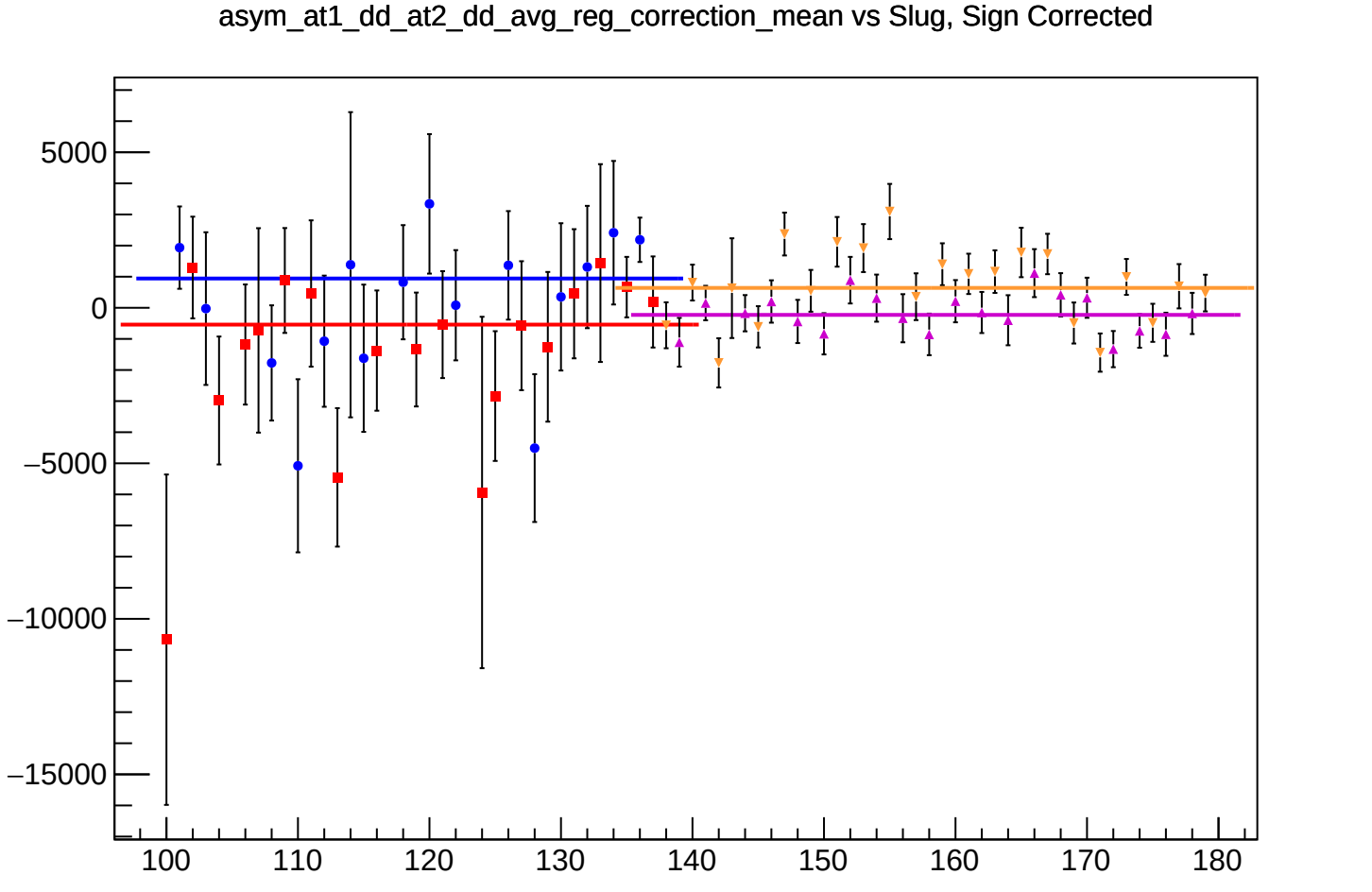
Left: 1245.522+/-0.152 χ^2/NDF: 223352.5/41

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1249.938+/-0.183 χ^2/NDF:556228.4/35

Out: 1259.168+/-0.180 χ^2/NDF:520315.8/40

All: 1254.637+/-0.128 χ^2/NDF: 1077837.3/76



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 639.461+/-147.684 χ^2/NDF:61.3/21

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -228.064+/-149.657 χ^2/NDF:17.1/19

Left: 211.457+/-105.119 χ^2/NDF: 95.4/41

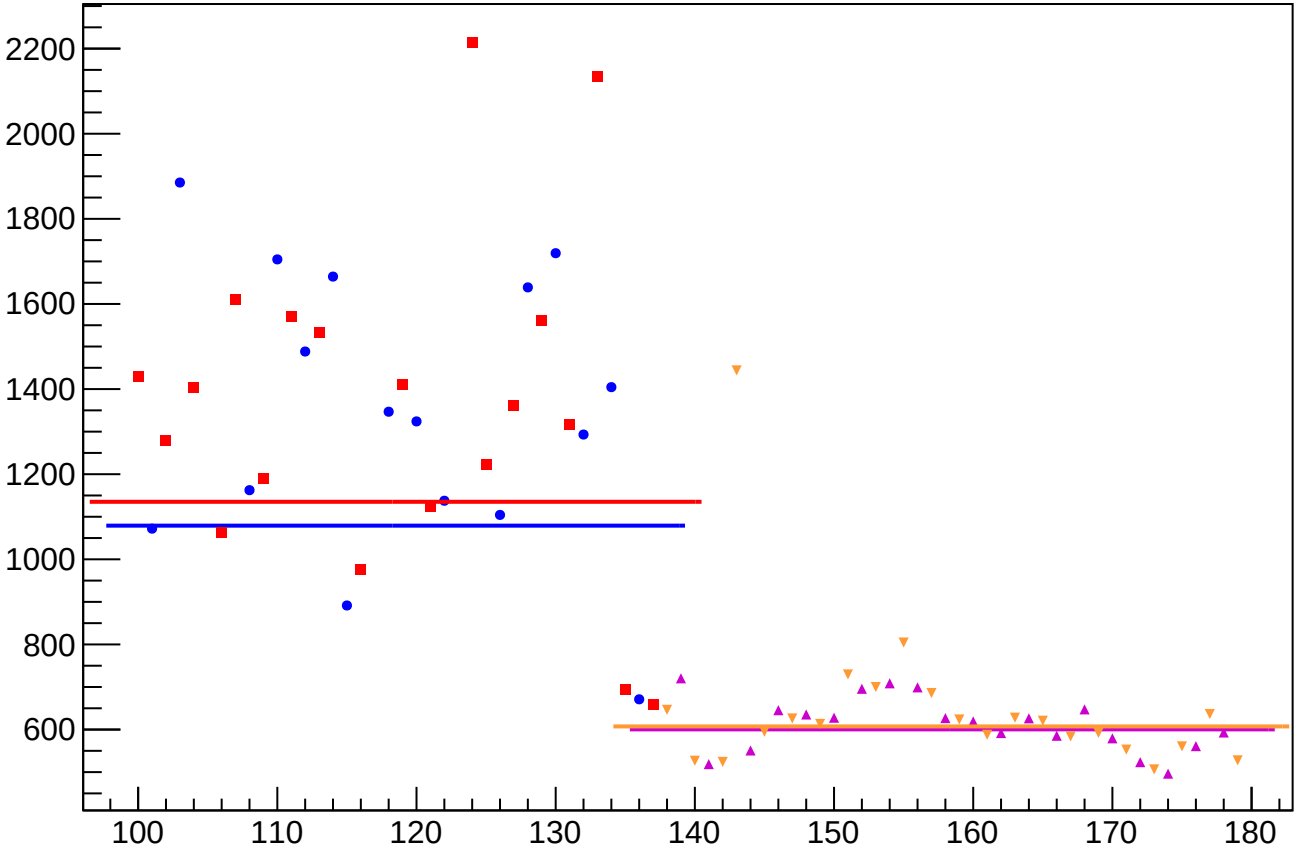
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -99.461+/-141.192 χ^2/NDF:43.7/35

Out: 519.930+/-140.005 χ^2/NDF:84.9/40

All: 212.850+/-99.415 χ^2/NDF: 138.4/76

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 607.354+/-0.104 χ^2/NDF:947145.7/21

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.408+/-0.106 χ^2/NDF:362658.3/19

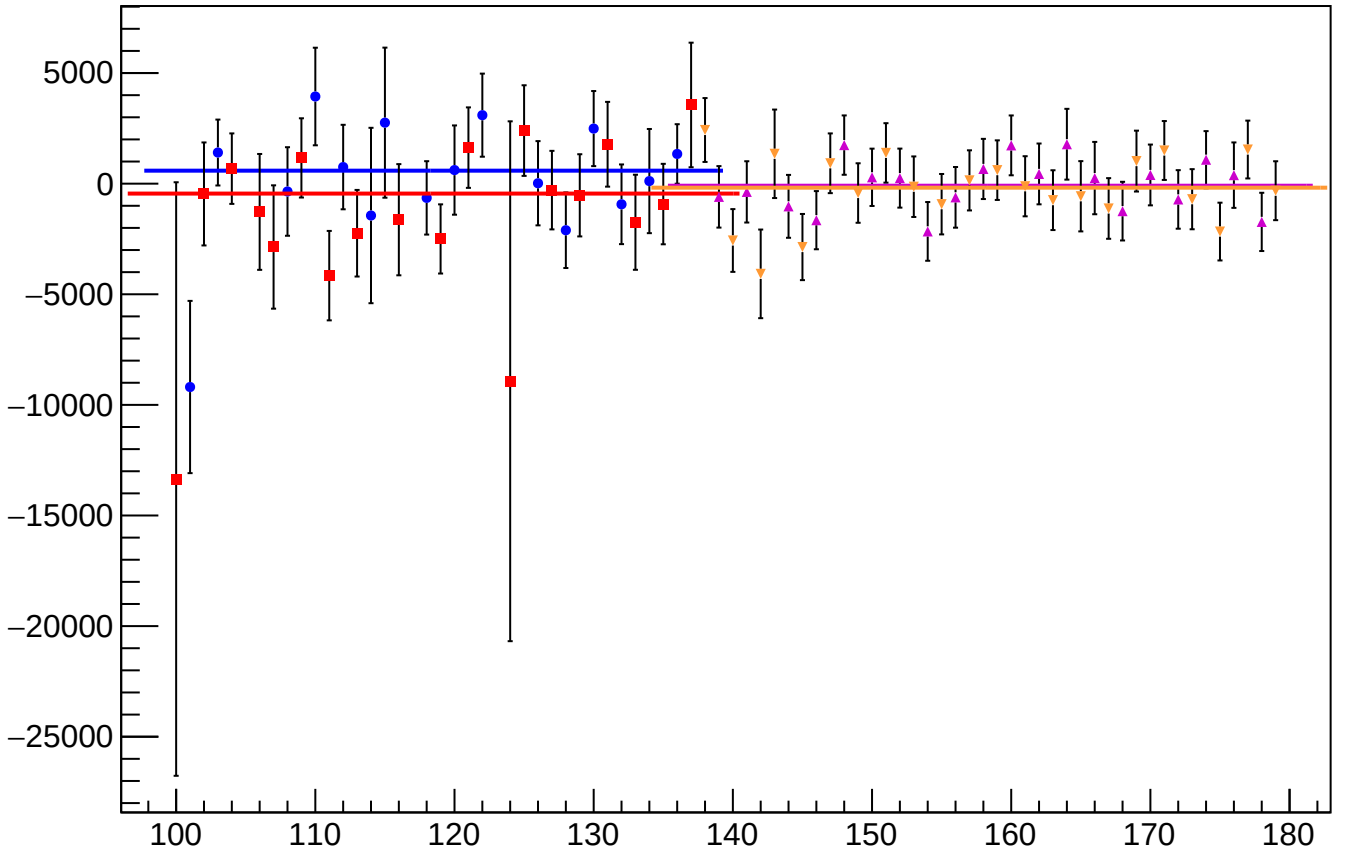
Left: 603.927+/-0.074 χ^2/NDF: 1311986.8/41

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 653.035+/-0.100 χ^2/NDF:4094535.5/35

Out: 660.816+/-0.099 χ^2/NDF:4827737.9/40

All: 656.958+/-0.070 χ^2/NDF: 8925336.2/76



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -92.963+/-307.018 χ^2/NDF:13.9/19

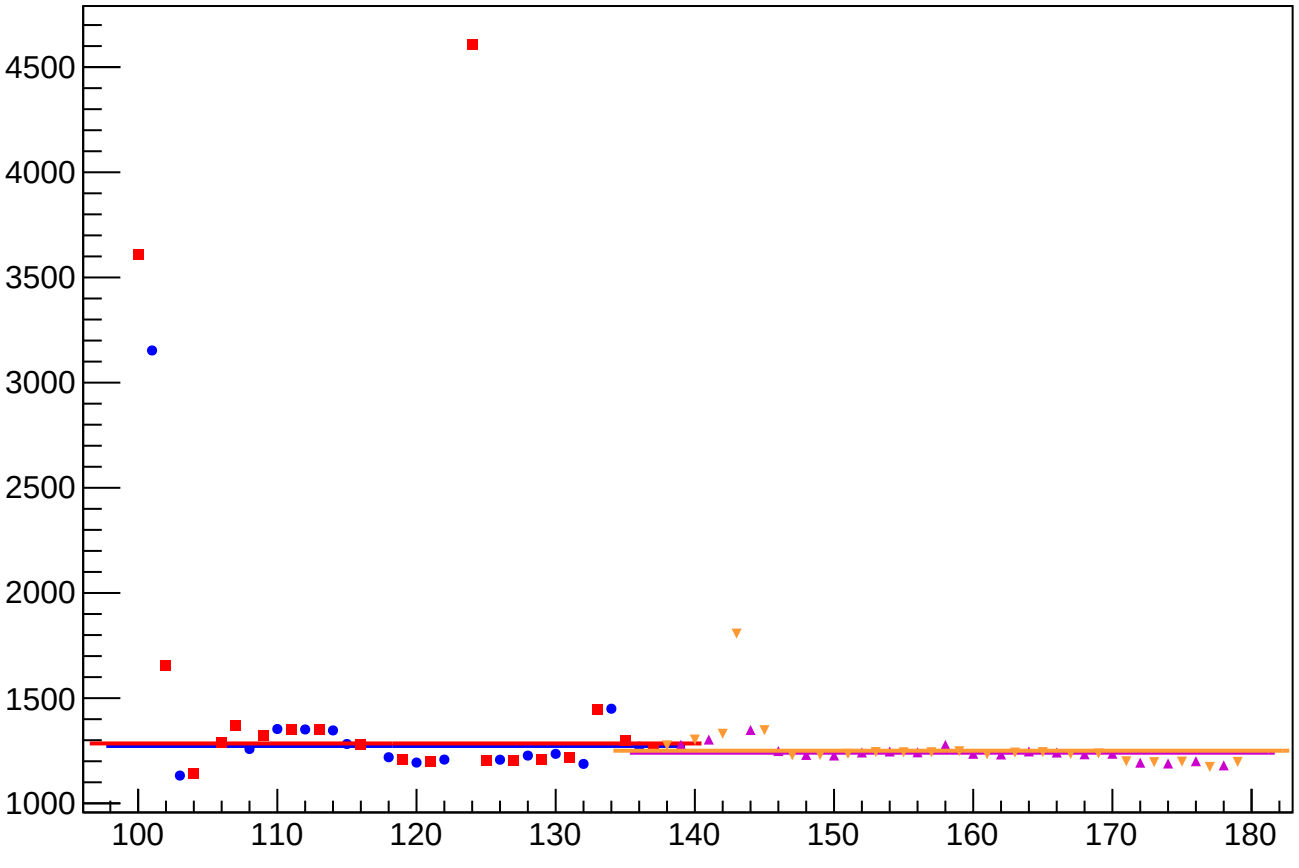
Left: -138.384+/-214.479 χ^2/NDF: 37.6/41

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -79.751+/-181.514 χ^2/NDF: 74.1/76



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

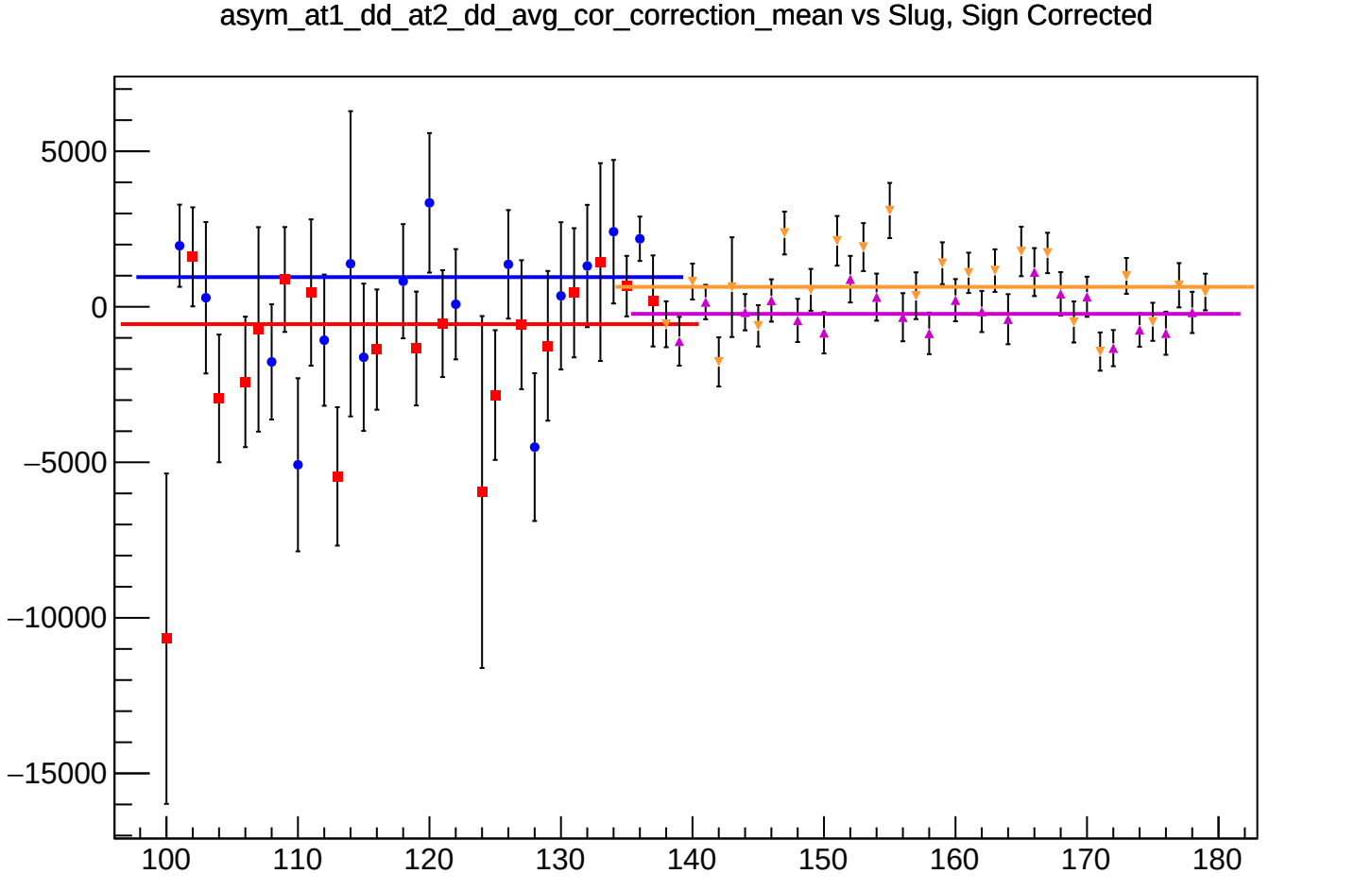
Left: 1245.522+/-0.152 χ^2/NDF: 223352.5/41

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -228.055+/-149.657 χ^2/NDF:17.1/19

Left: 211.480+/-105.119 χ^2/NDF: 95.4/41

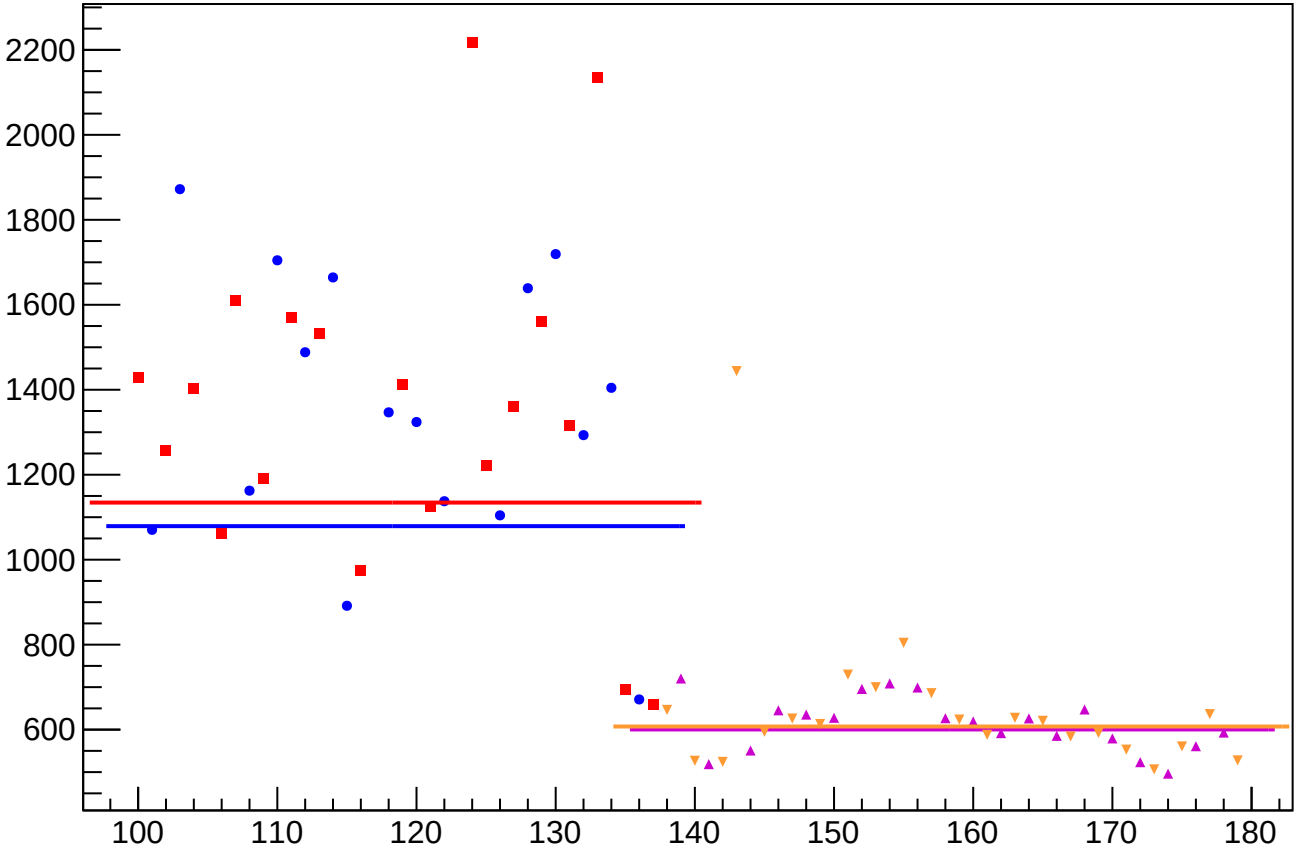
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -97.996+/-141.185 χ^2/NDF:43.8/35

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 212.847+/-99.423 χ^2/NDF: 139.8/76

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

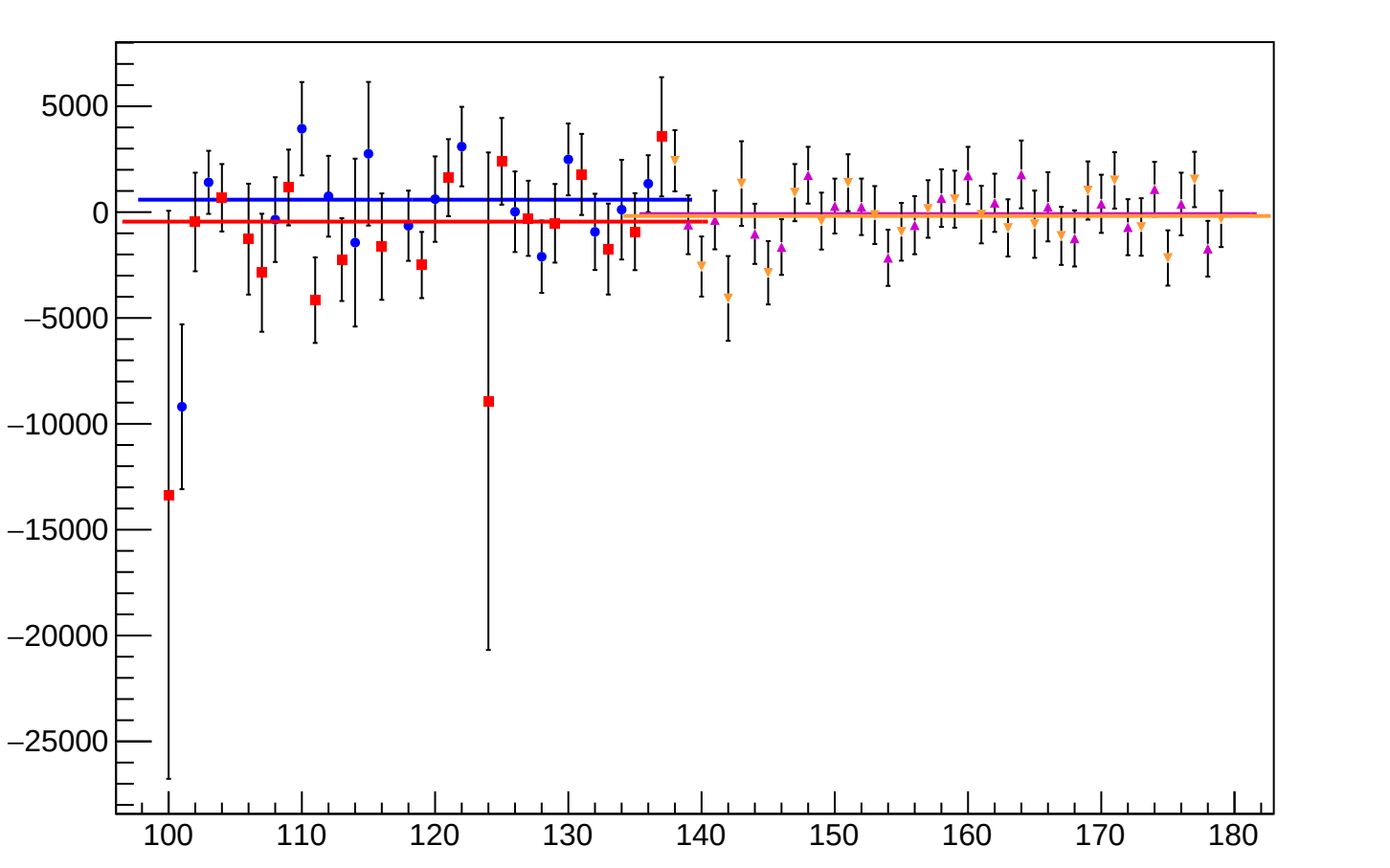
Left: 603.926+/-0.074 χ^2/NDF: 1312002.9/41

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -181.681+/-299.752 χ^2/NDF:23.7/21

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -92.963+/-307.018 χ^2/NDF:13.9/19

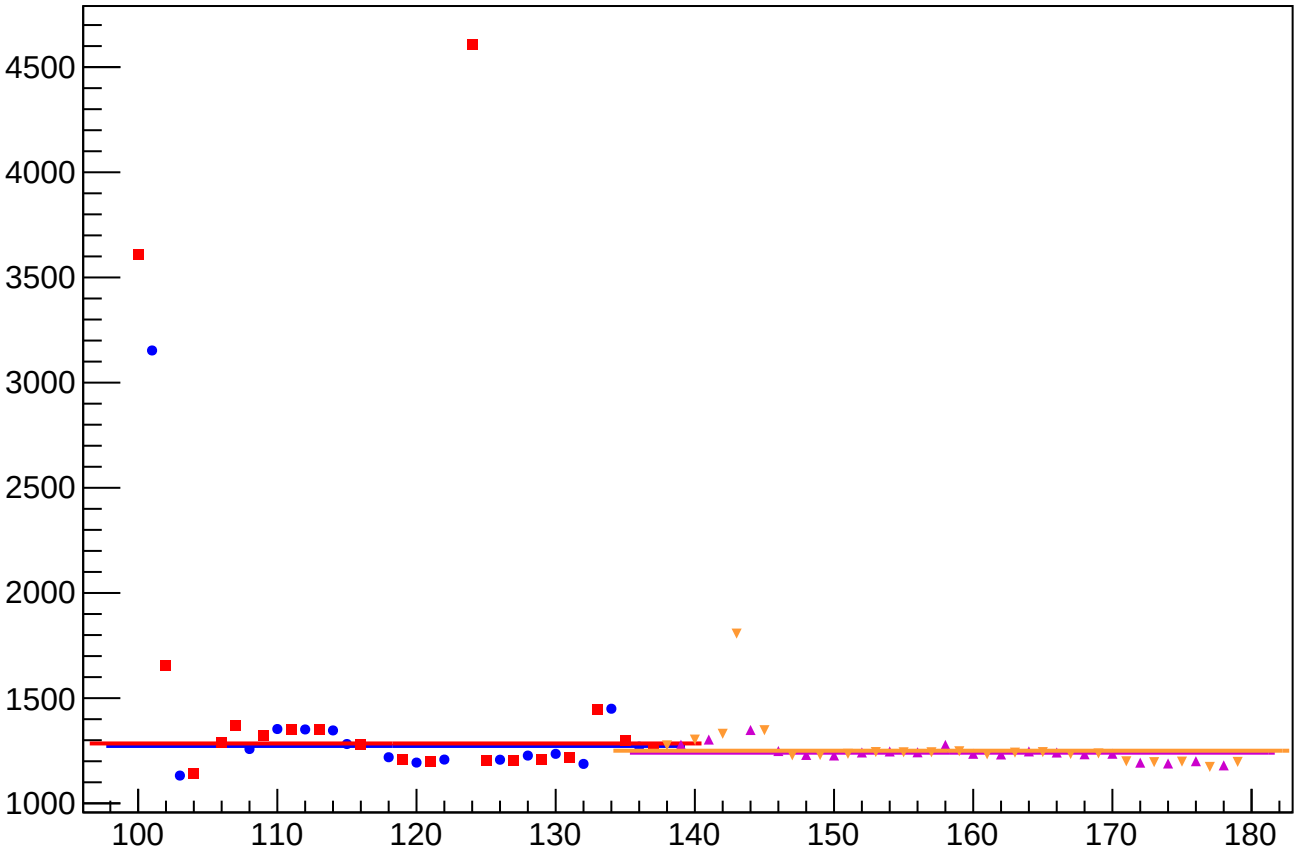
Left: -138.384+/-214.479 χ^2/NDF: 37.6/41

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -256.218+/-254.445 χ^2/NDF:40.8/40

All: -79.751+/-181.514 χ^2/NDF: 74.1/76



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1250.141+/-0.212 χ^2/NDF:191762.2/21

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1240.677+/-0.217 χ^2/NDF:30617.4/19

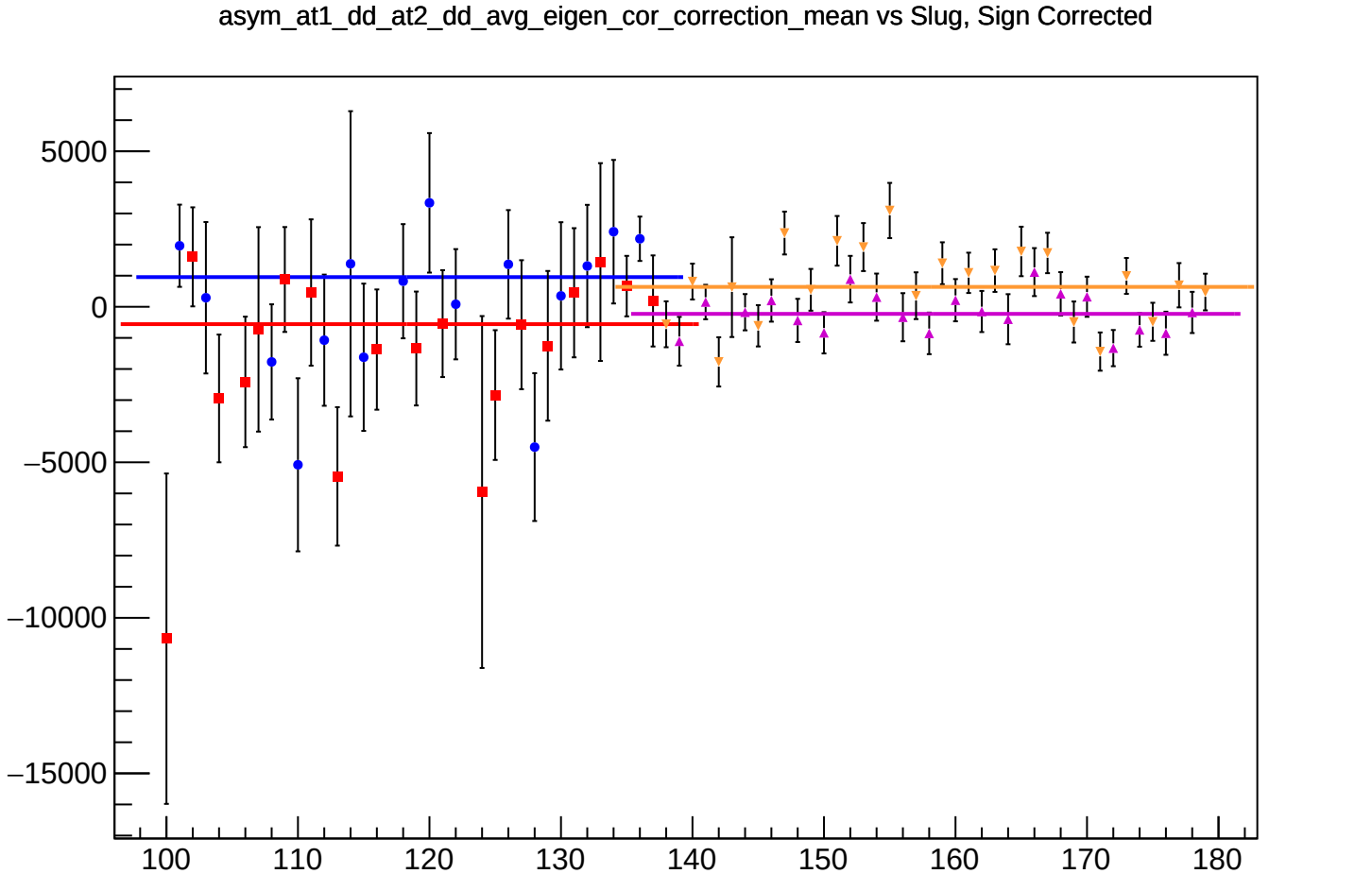
Left: 1245.522+/-0.152 χ^2/NDF: 223352.5/41

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1259.785+/-0.180 χ^2/NDF:527906.6/40

All: 1254.949+/-0.128 χ^2/NDF: 1085607.6/76



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 639.504+/-147.684 χ^2/NDF:61.3/21

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -228.055+/-149.657 χ^2/NDF:17.1/19

Left: 211.480+/-105.119 χ^2/NDF: 95.4/41

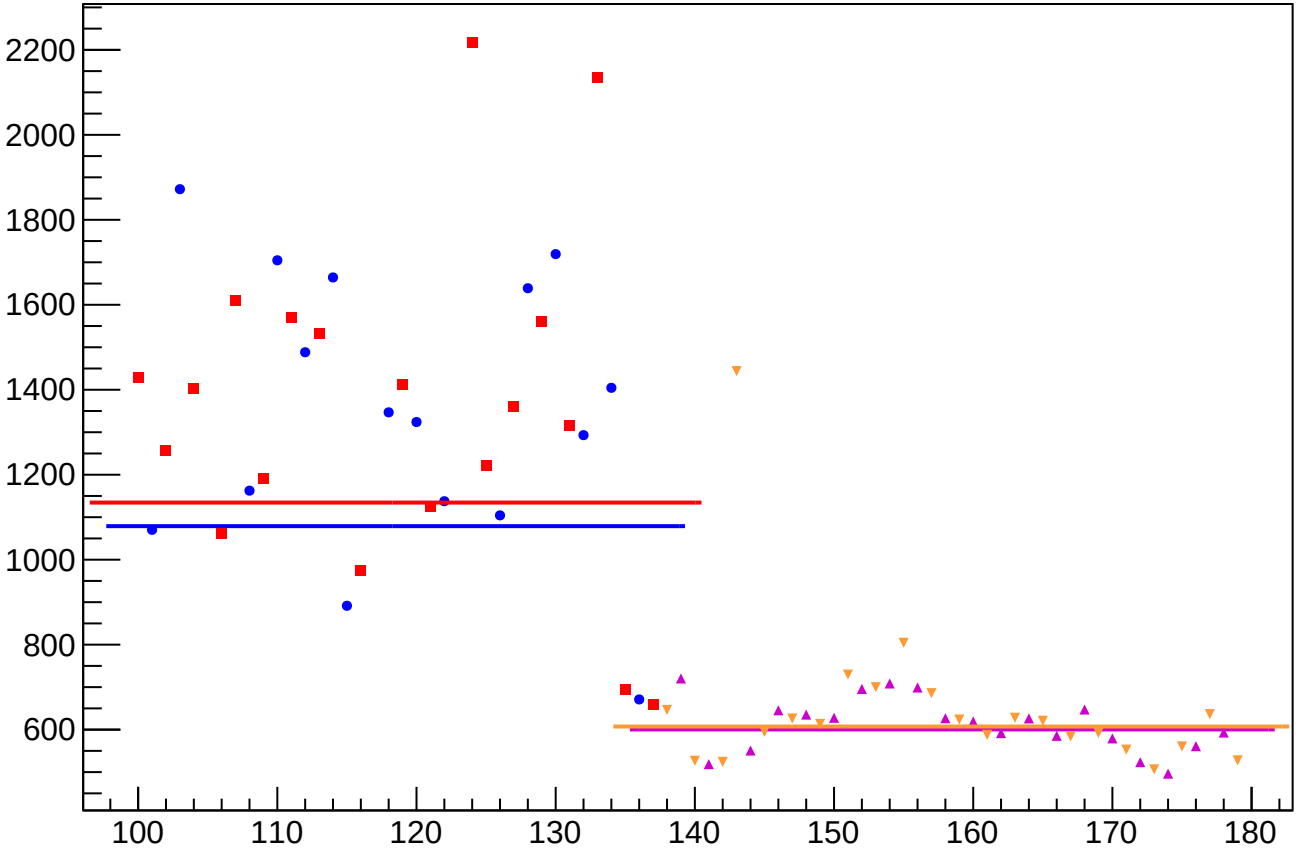
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -97.996+/-141.185 χ^2/NDF:43.8/35

Out: 518.636+/-140.032 χ^2/NDF:86.3/40

All: 212.847+/-99.423 χ^2/NDF: 139.8/76

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 607.355+/-0.104 χ^2/NDF:947134.5/21

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.404+/-0.106 χ^2/NDF:362683.1/19

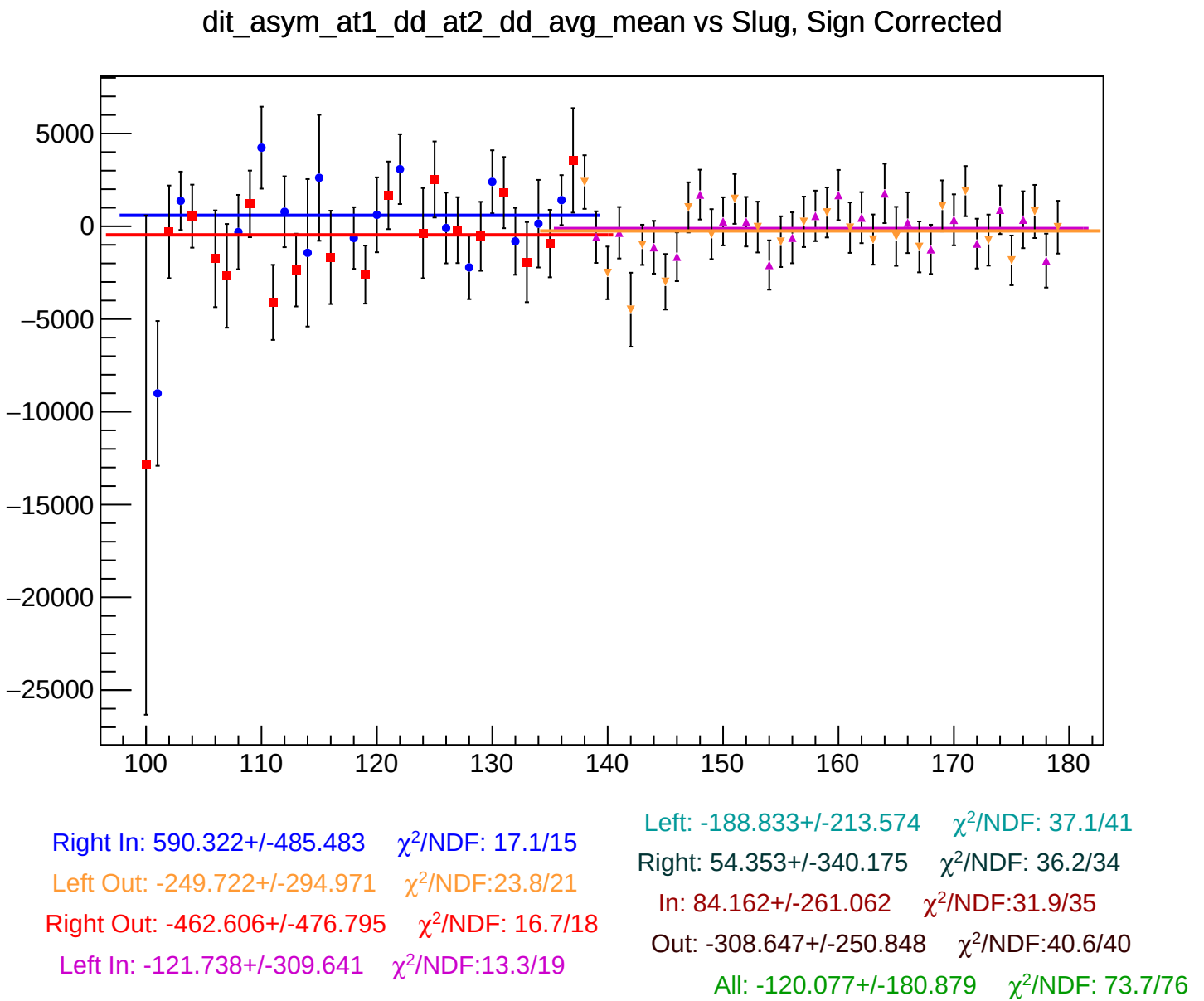
Left: 603.926+/-0.074 χ^2/NDF: 1312002.9/41

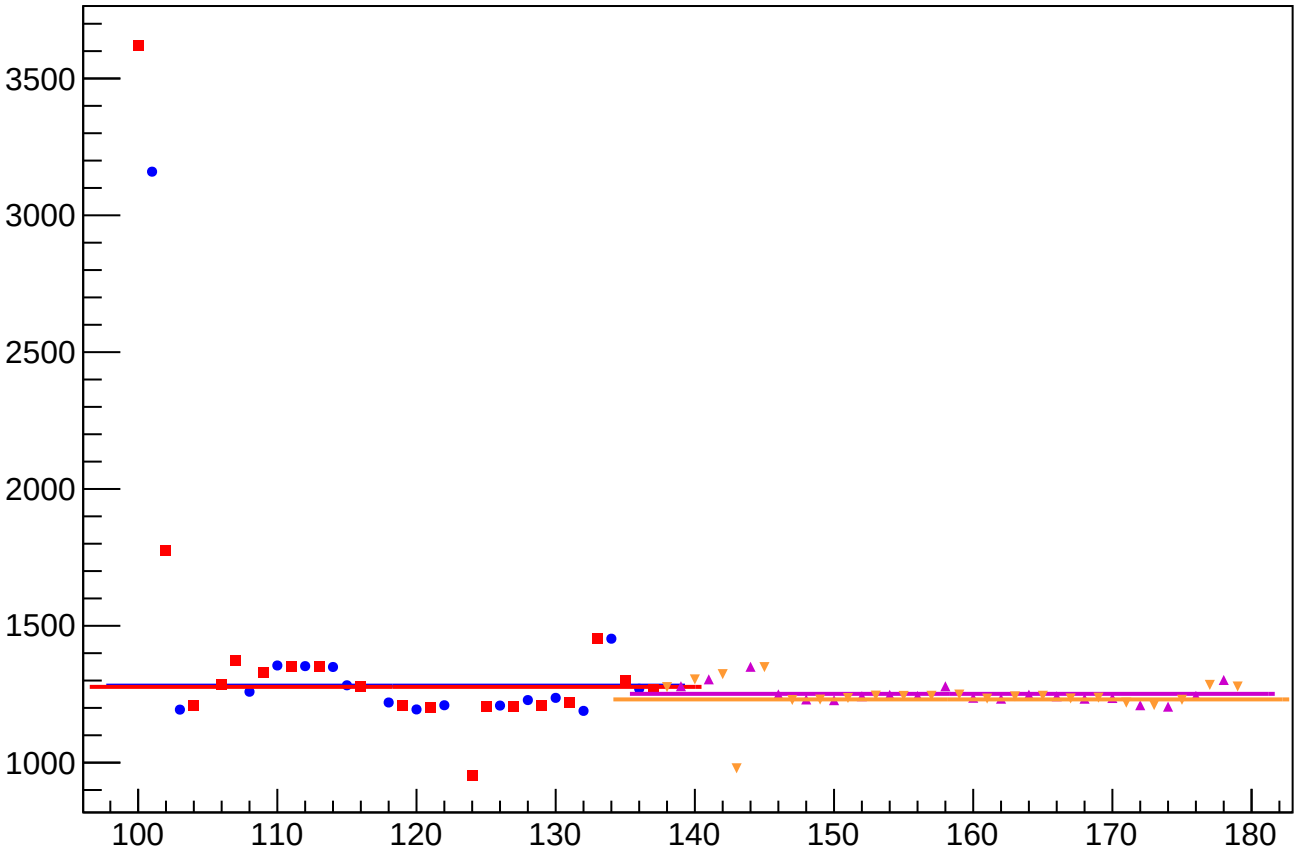
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 660.556+/-0.099 χ^2/NDF:4807385.0/40

All: 656.834+/-0.070 χ^2/NDF: 8901211.7/76


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -249.722+/-294.971 χ²/NDF:23.8/21
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -121.738+/-309.641 χ²/NDF:13.3/19
Left: -188.833+/-213.574 χ²/NDF: 37.1/41
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 84.162+/-261.062 χ²/NDF:31.9/35
Out: -308.647+/-250.848 χ²/NDF:40.6/40
All: -120.077+/-180.879 χ²/NDF: 73.7/76



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138658.1/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.4/19

Left: 1240.729+/-0.151 χ^2/NDF: 166809.5/41

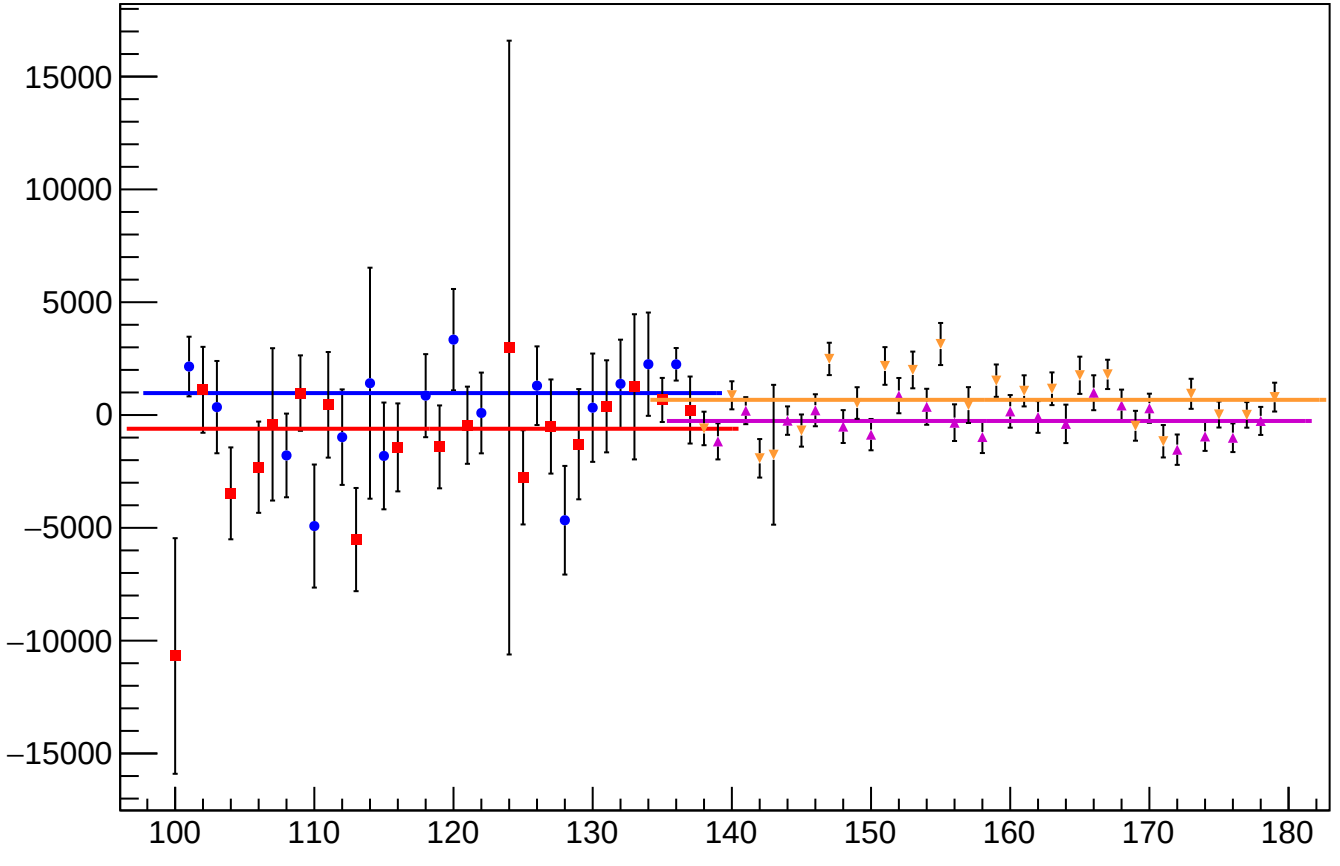
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.8/35

Out: 1243.744+/-0.177 χ^2/NDF:372512.3/40

All: 1251.571+/-0.128 χ^2/NDF: 912716.3/76

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -263.517+/-156.871 χ^2/NDF:17.7/19

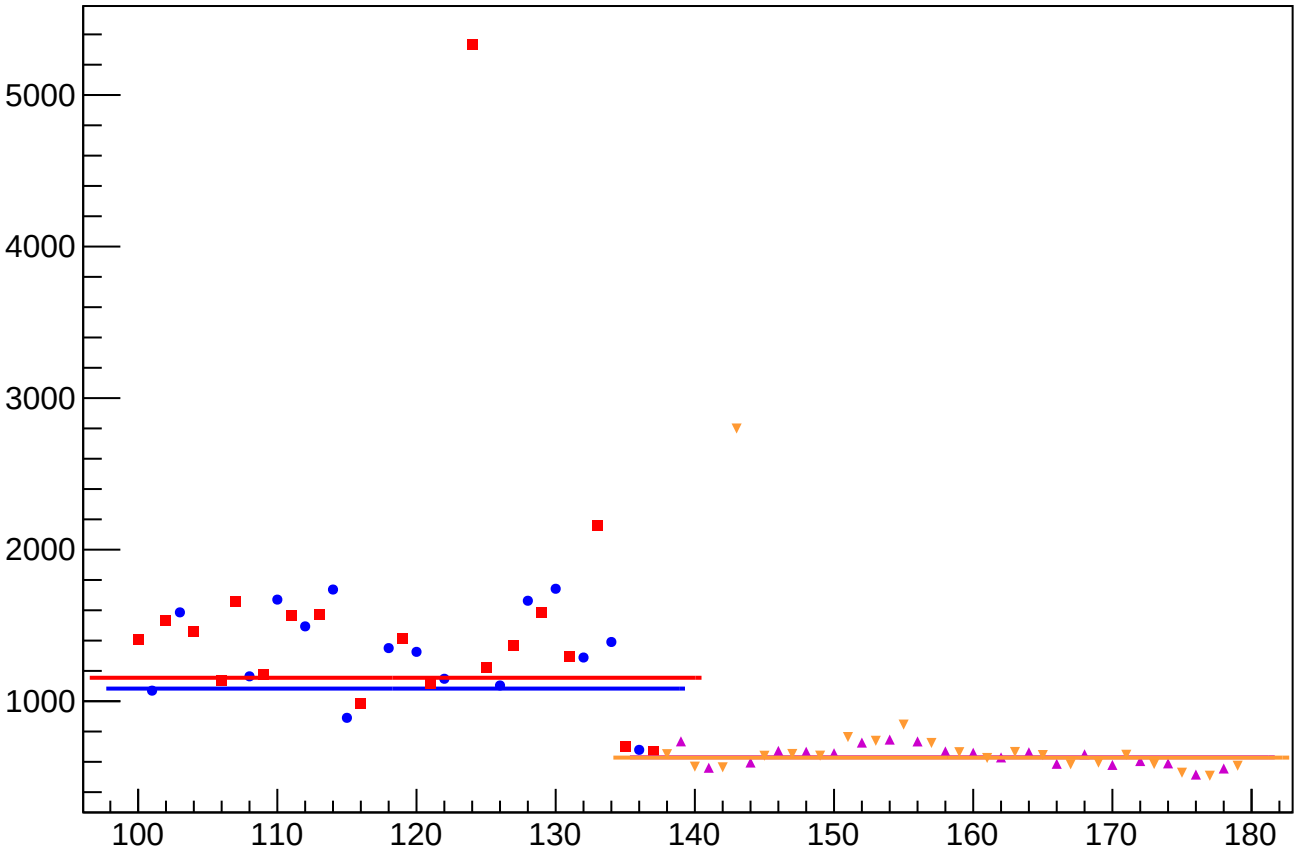
Left: 214.327+/-109.791 χ^2/NDF: 91.2/41

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -115.472+/-147.175 χ^2/NDF:45.6/35

Out: 538.002+/-145.384 χ^2/NDF:79.7/40

All: 215.266+/-103.430 χ^2/NDF: 135.3/76



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443082.4/21

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 629.938+/-0.111 χ^2/NDF:324416.8/19

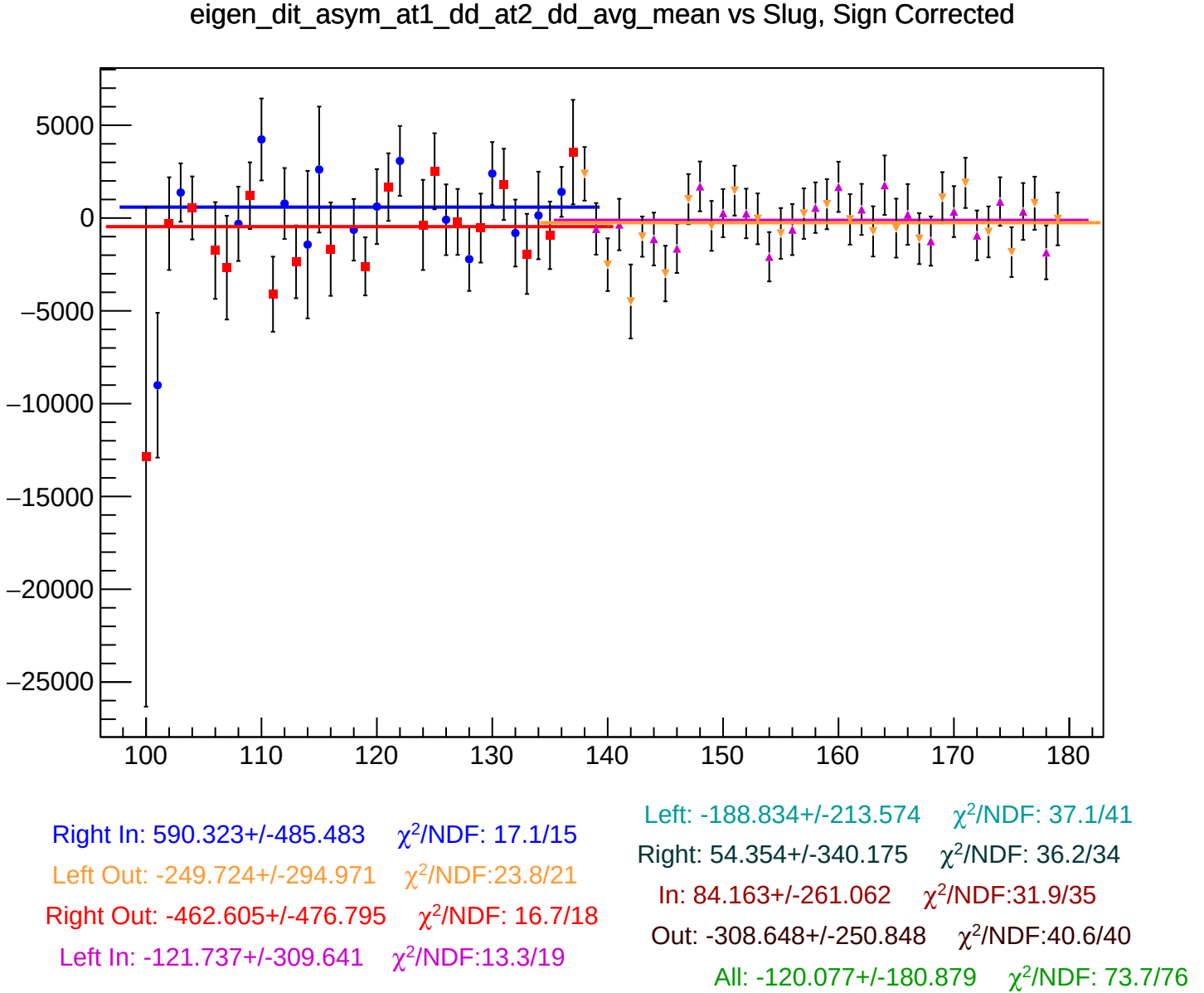
Left: 628.902+/-0.078 χ^2/NDF: 1767670.3/41

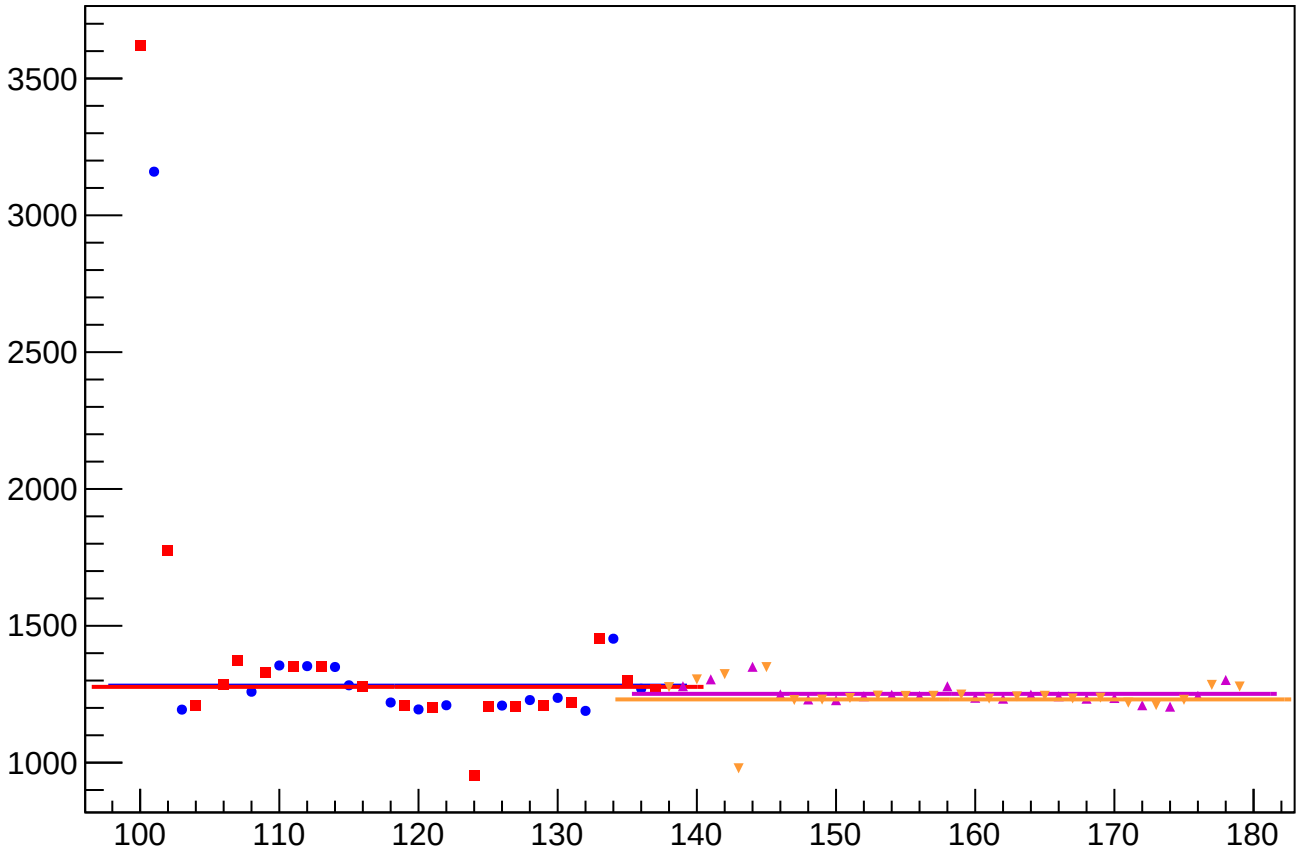
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 684.254+/-0.104 χ^2/NDF:3686018.4/35

Out: 683.453+/-0.103 χ^2/NDF:5408357.6/40

All: 683.848+/-0.073 χ^2/NDF: 9094406.0/76


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -249.724+/-294.971 χ²/NDF:23.8/21
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -121.737+/-309.641 χ²/NDF:13.3/19
Left: -188.834+/-213.574 χ²/NDF: 37.1/41
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 84.163+/-261.062 χ²/NDF:31.9/35
Out: -308.648+/-250.848 χ²/NDF:40.6/40
All: -120.077+/-180.879 χ²/NDF: 73.7/76



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1231.070+/-0.209 χ^2/NDF:138657.2/21

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1251.373+/-0.219 χ^2/NDF:23643.3/19

Left: 1240.729+/-0.151 χ^2/NDF: 166808.5/41

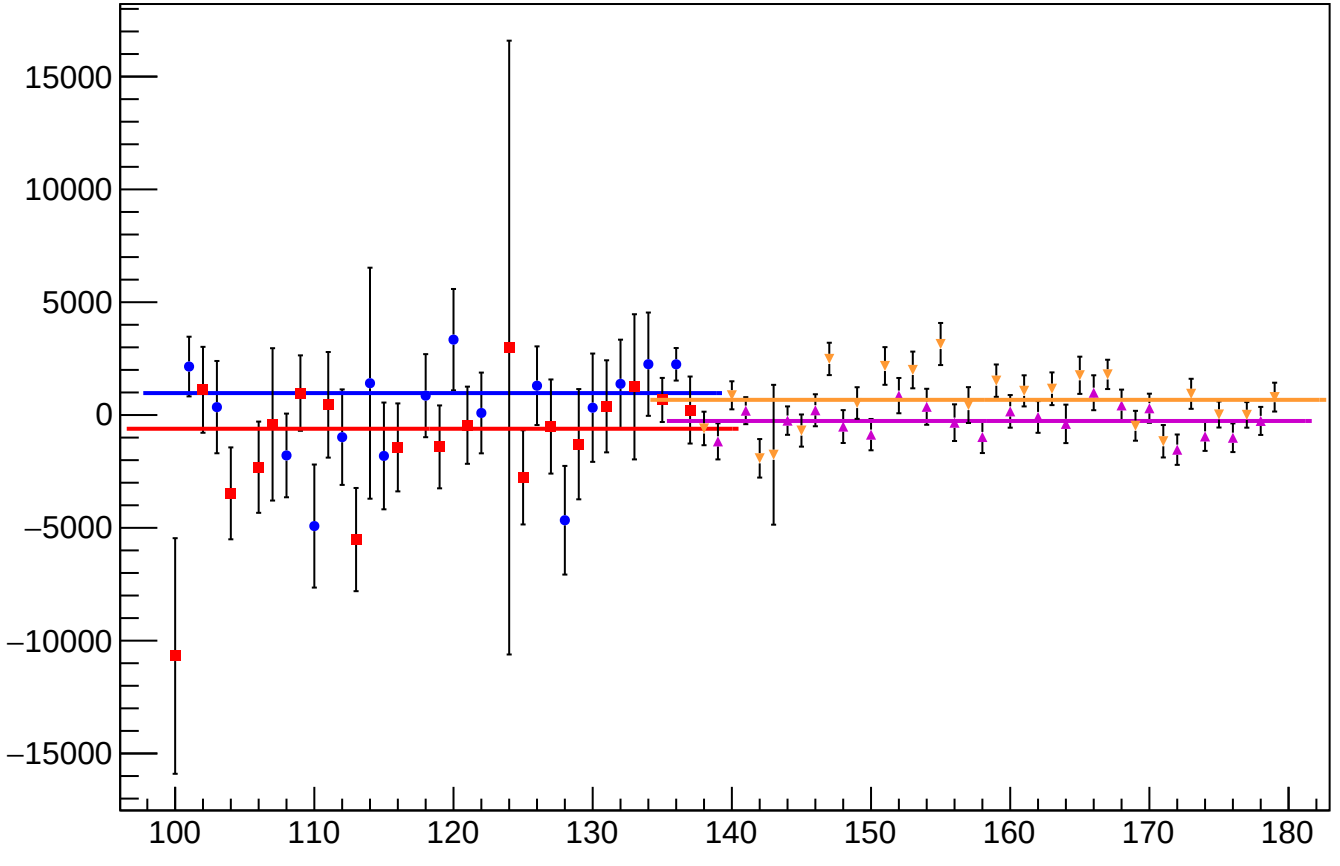
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.9/35

Out: 1243.744+/-0.177 χ^2/NDF:372511.3/40

All: 1251.570+/-0.128 χ^2/NDF: 912715.3/76

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 673.126+/-153.713 χ^2/NDF:55.3/21

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -263.516+/-156.871 χ^2/NDF:17.7/19

Left: 214.327+/-109.791 χ^2/NDF: 91.2/41

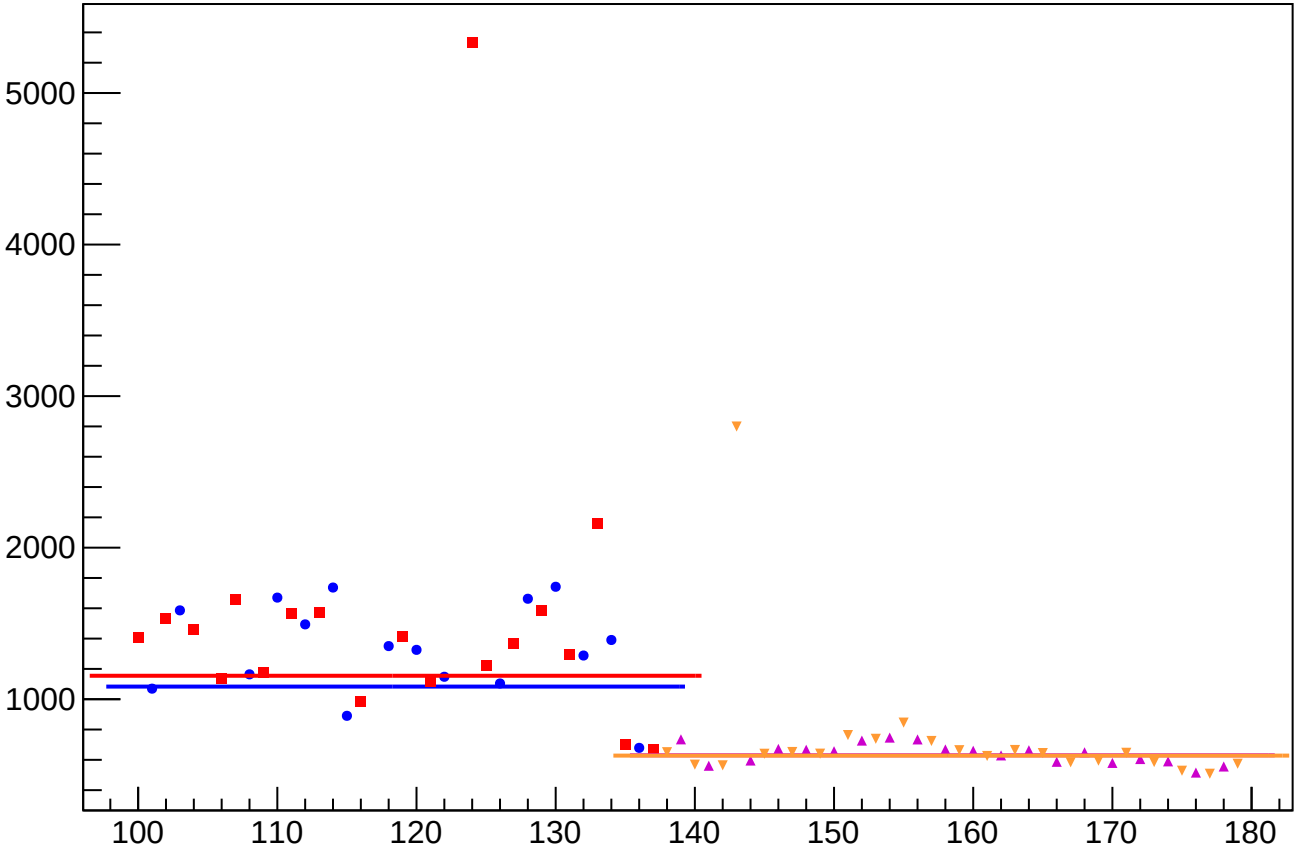
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -115.473+/-147.175 χ^2/NDF:45.6/35

Out: 538.003+/-145.384 χ^2/NDF:79.7/40

All: 215.265+/-103.429 χ^2/NDF: 135.3/76

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 627.907+/-0.109 χ^2/NDF:1443081.2/21

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 629.938+/-0.111 χ^2/NDF:324421.7/19

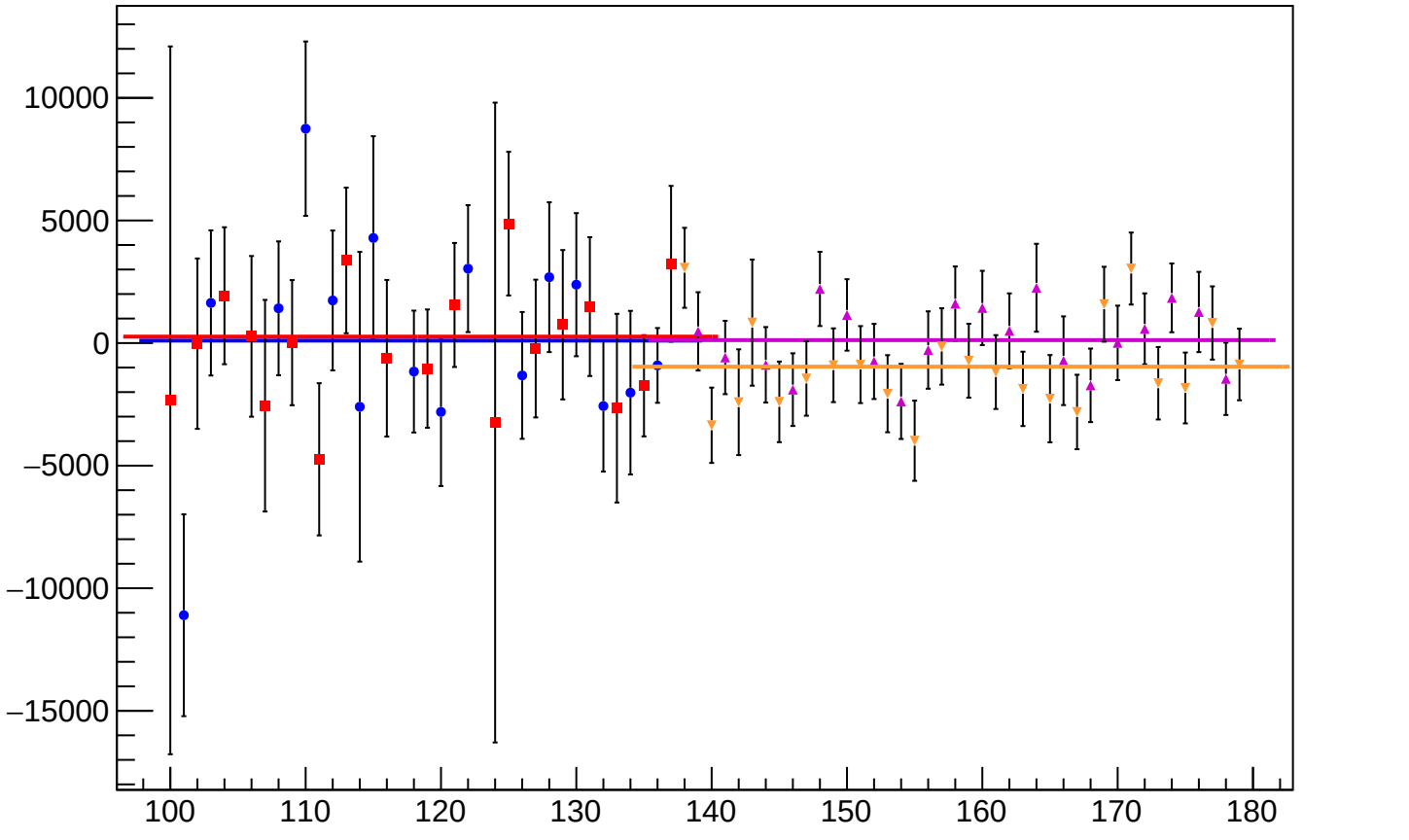
Left: 628.901+/-0.078 χ^2/NDF: 1767674.0/41

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 684.253+/-0.104 χ^2/NDF:3686016.3/35

Out: 683.453+/-0.103 χ^2/NDF:5408356.2/40

All: 683.848+/-0.073 χ^2/NDF: 9094402.4/76



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -961.866+/-336.664 χ^2/NDF:29.2/21

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 119.804+/-343.188 χ^2/NDF:16.2/19

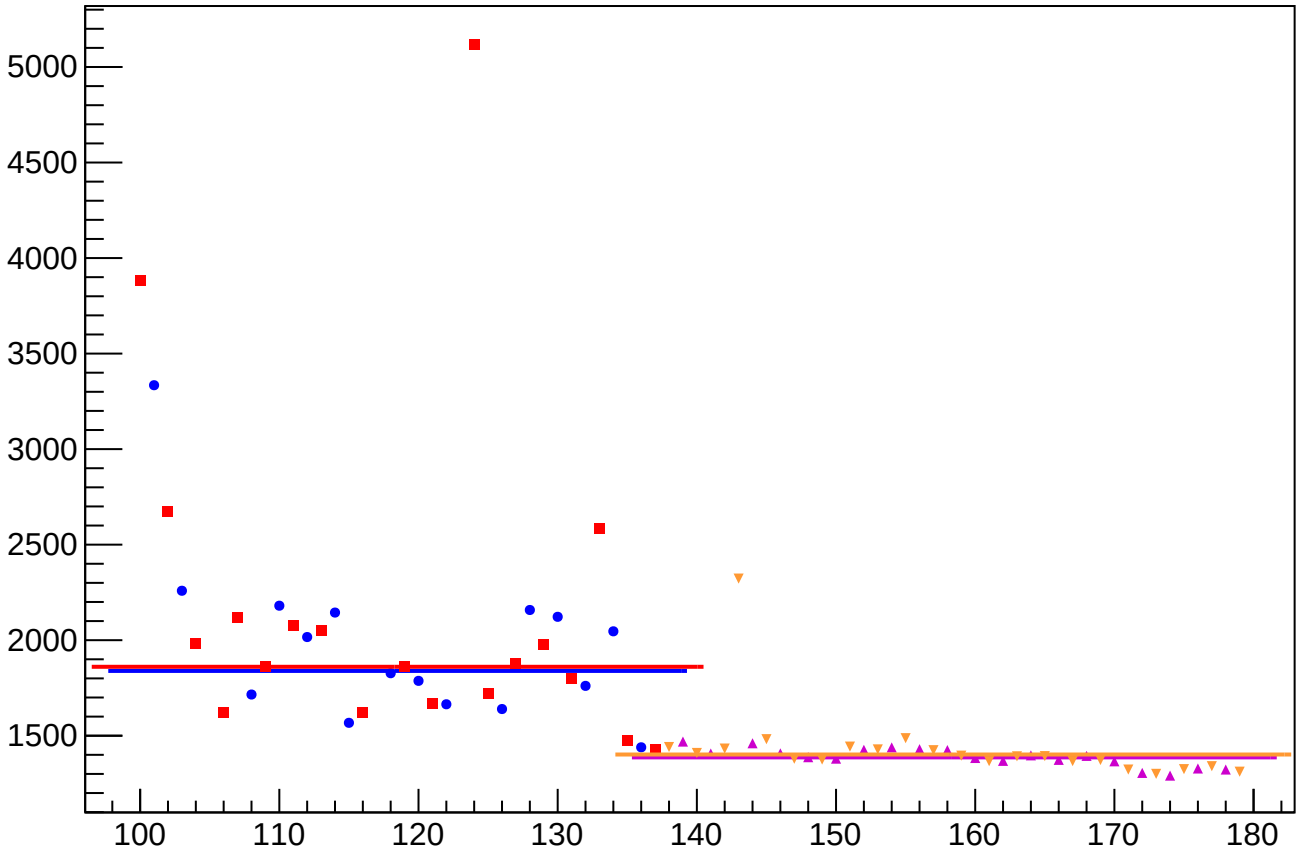
Left: -431.408+/-240.331 χ^2/NDF: 50.4/41

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 116.045+/-308.060 χ^2/NDF:37.5/35

Out: -731.668+/-303.376 χ^2/NDF:42.0/40

All: -314.305+/-216.156 χ^2/NDF: 83.3/76



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1401.617+/-0.238 χ^2/NDF:306291.0/21

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1386.544+/-0.243 χ^2/NDF:39873.0/19

Left: 1394.225+/-0.170 χ^2/NDF: 348130.0/41

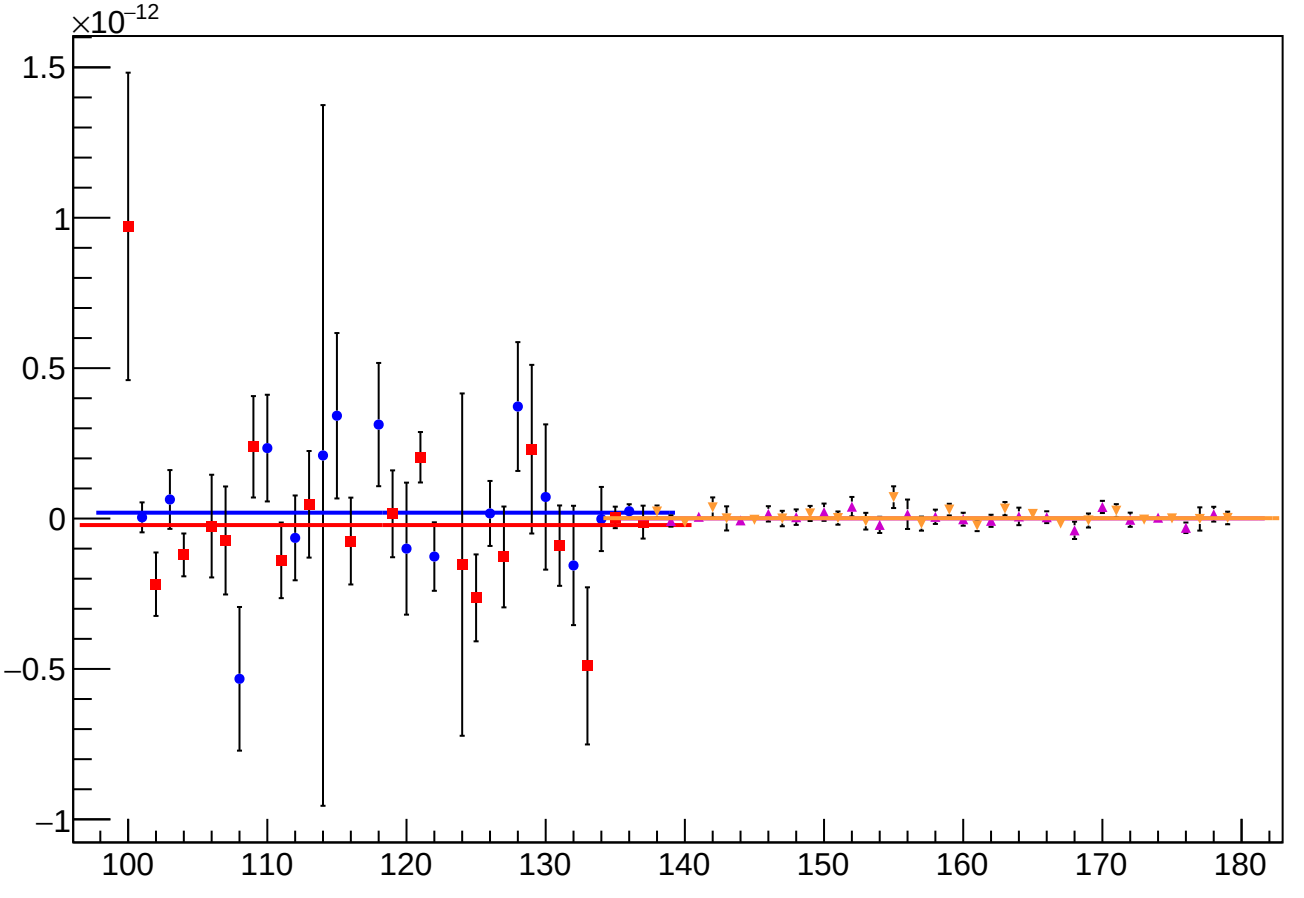
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1474.451+/-0.218 χ^2/NDF:1272173.2/35

Out: 1487.927+/-0.215 χ^2/NDF:1527660.0/40

All: 1481.292+/-0.153 χ^2/NDF: 2801776.0/76

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/19

Left: 0.000+/-0.000 χ^2/NDF: 31.7/41

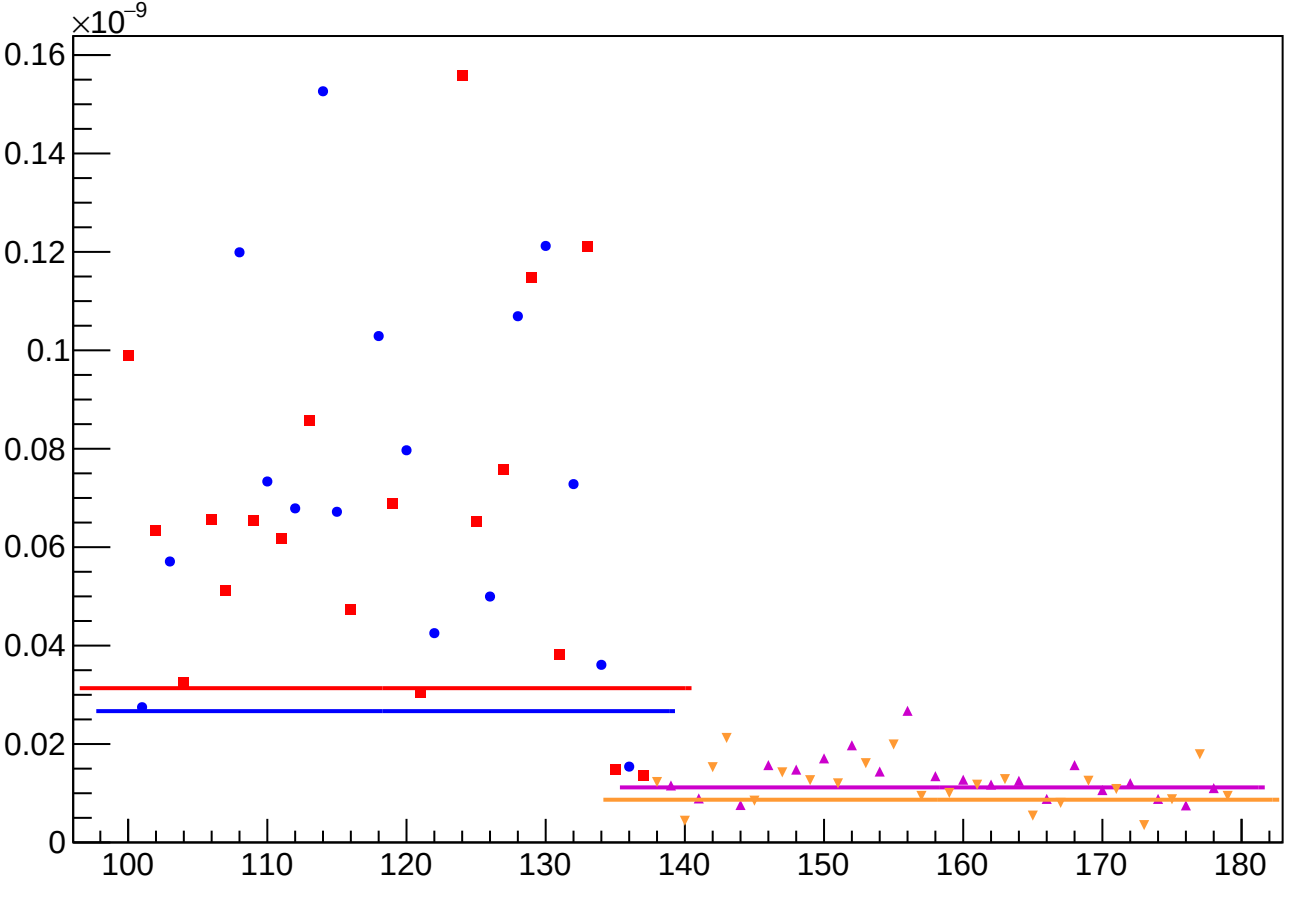
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.4/35

Out: 0.000+/-0.000 χ^2/NDF:47.9/40

All: 0.000+/-0.000 χ^2/NDF: 78.4/76

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2116927.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988305.0/19

Left: 0.000+/-0.000 χ^2/NDF: 3430693.9/41

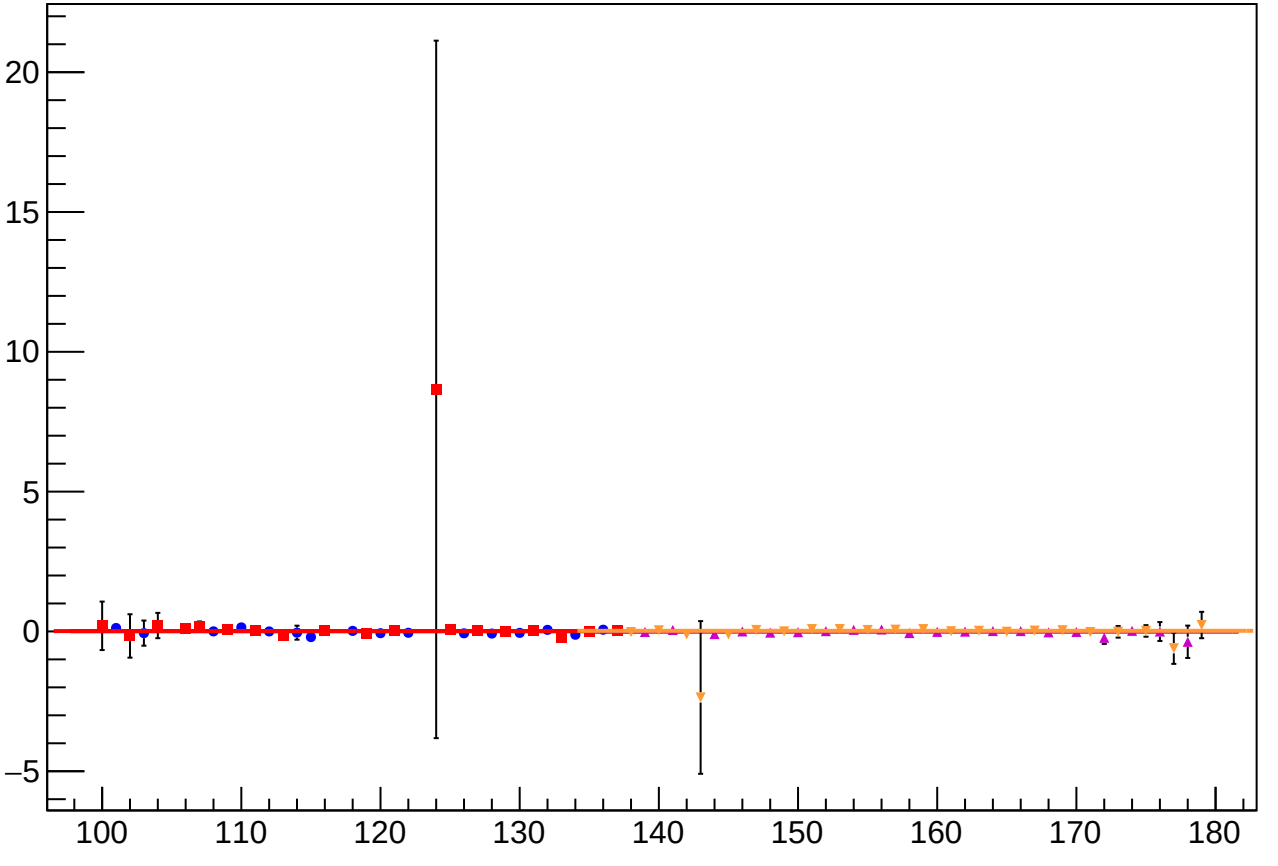
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4844632.9/35

Out: 0.000+/-0.000 χ^2/NDF:6395833.1/40

All: 0.000+/-0.000 χ^2/NDF: 11654885.5/76

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

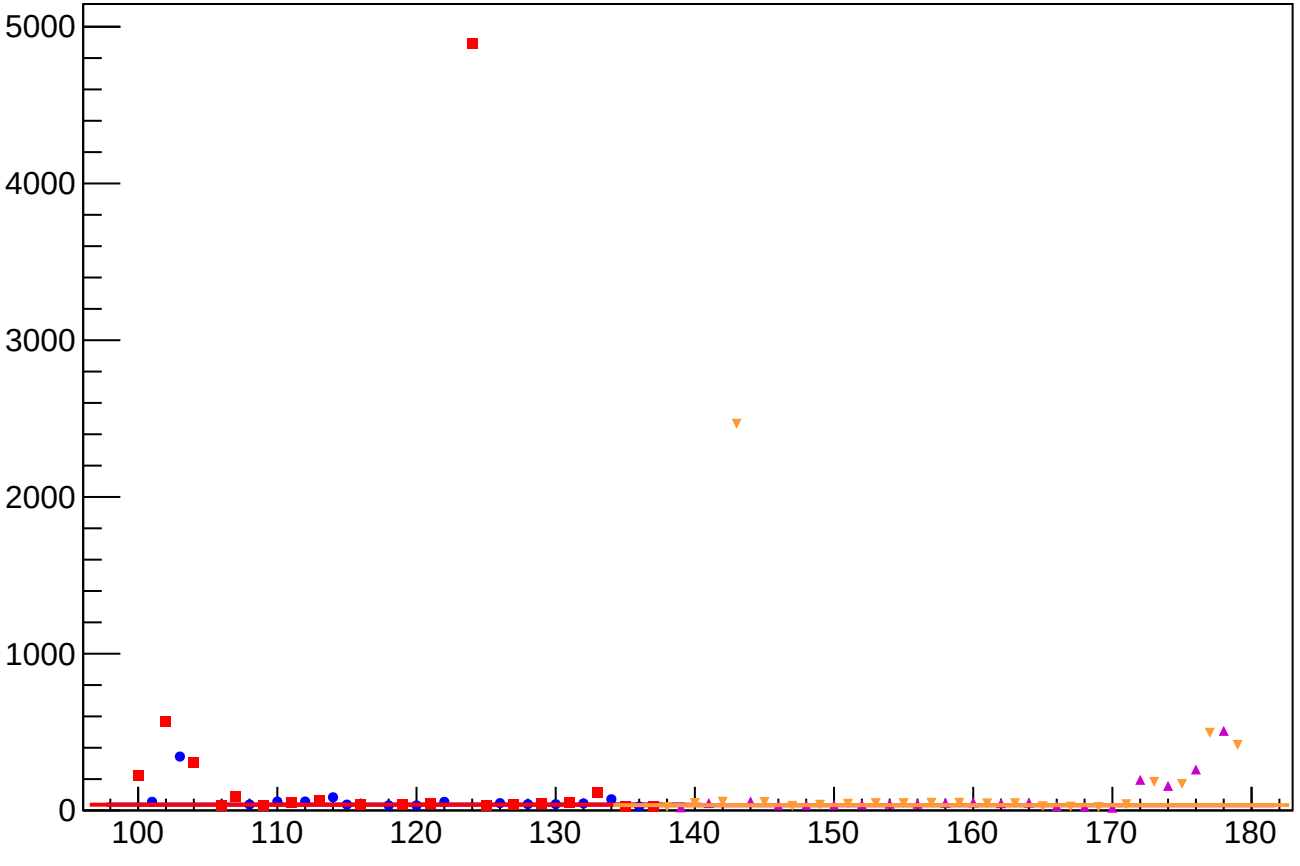
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

Left: 33.467+/-0.005 χ^2/NDF: 15641848.0/41

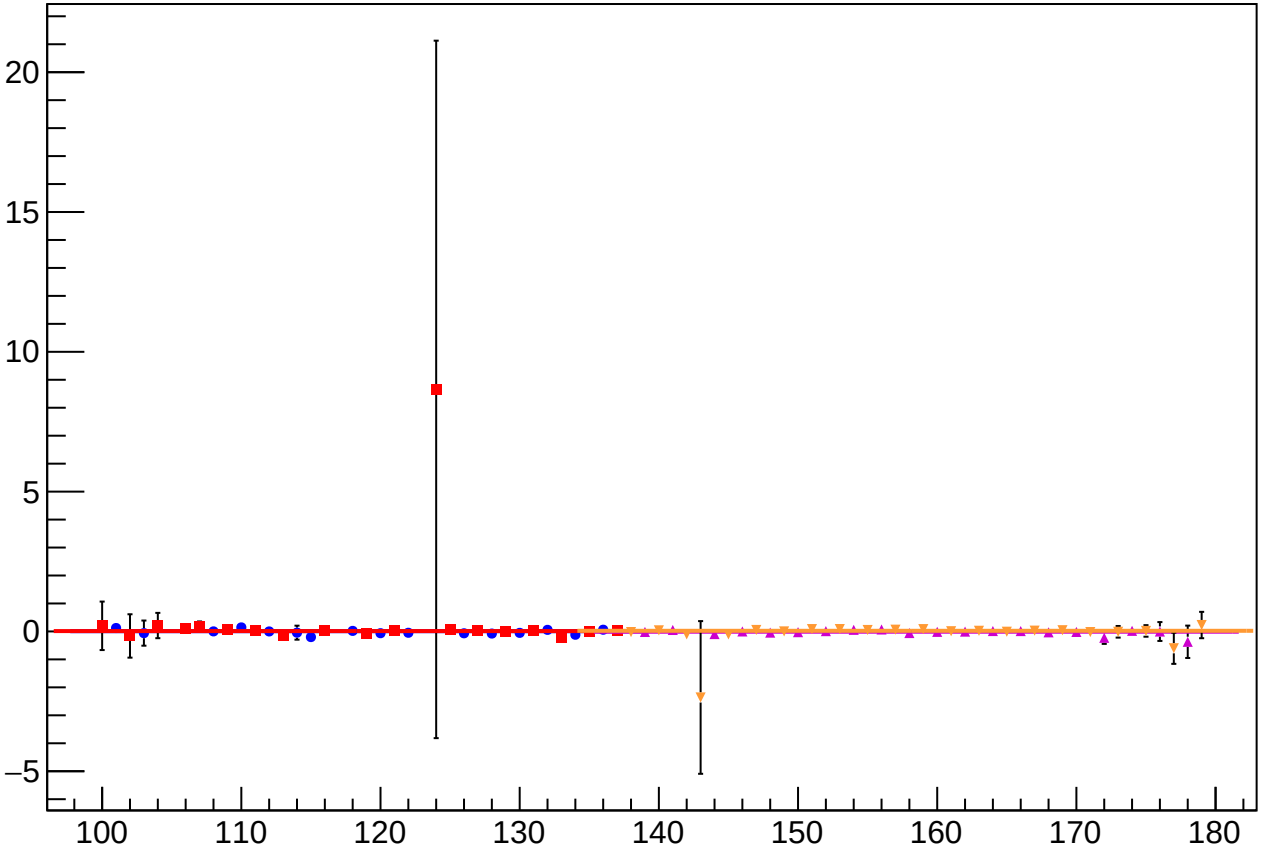
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

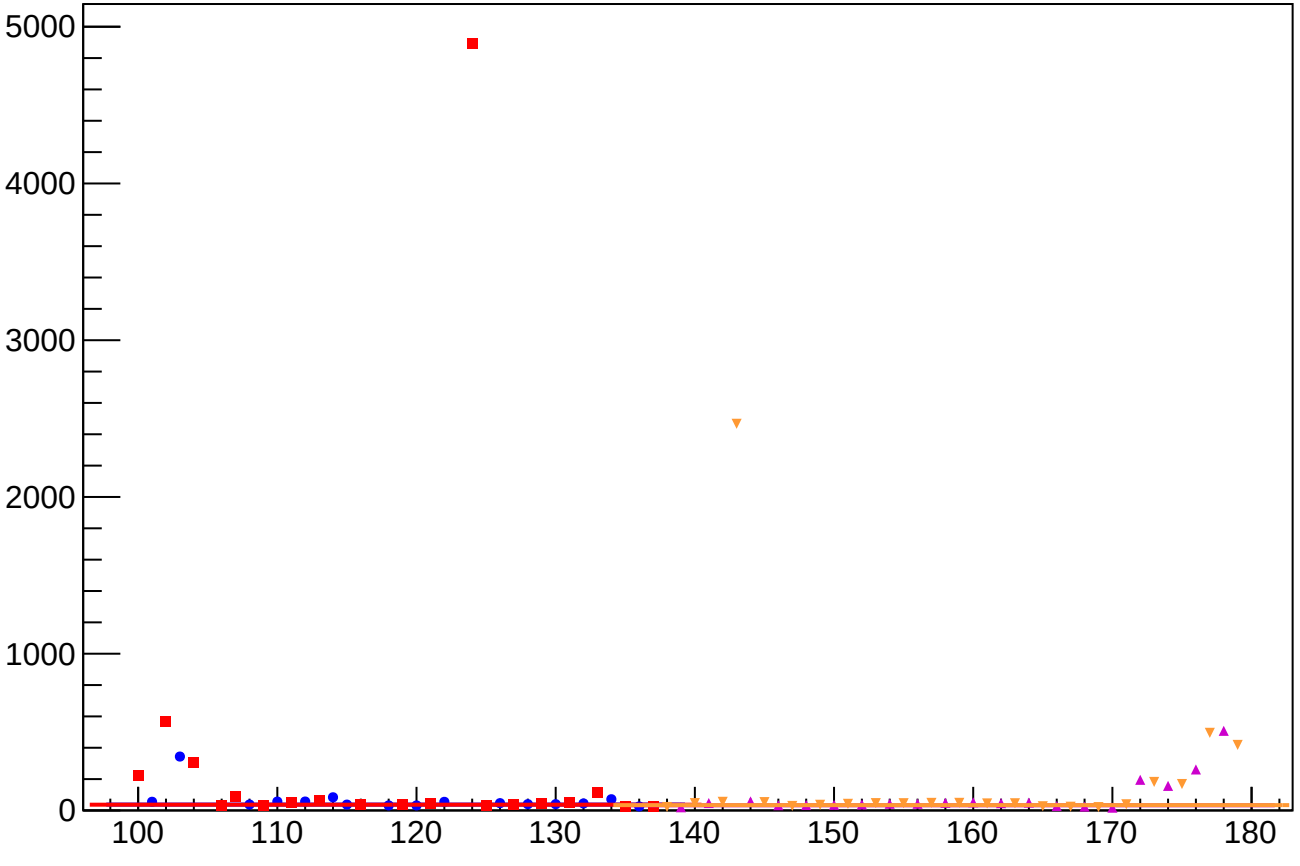
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.002+/-0.007 χ^2/NDF:8549355.4/21

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.959+/-0.007 χ^2/NDF:7081789.7/19

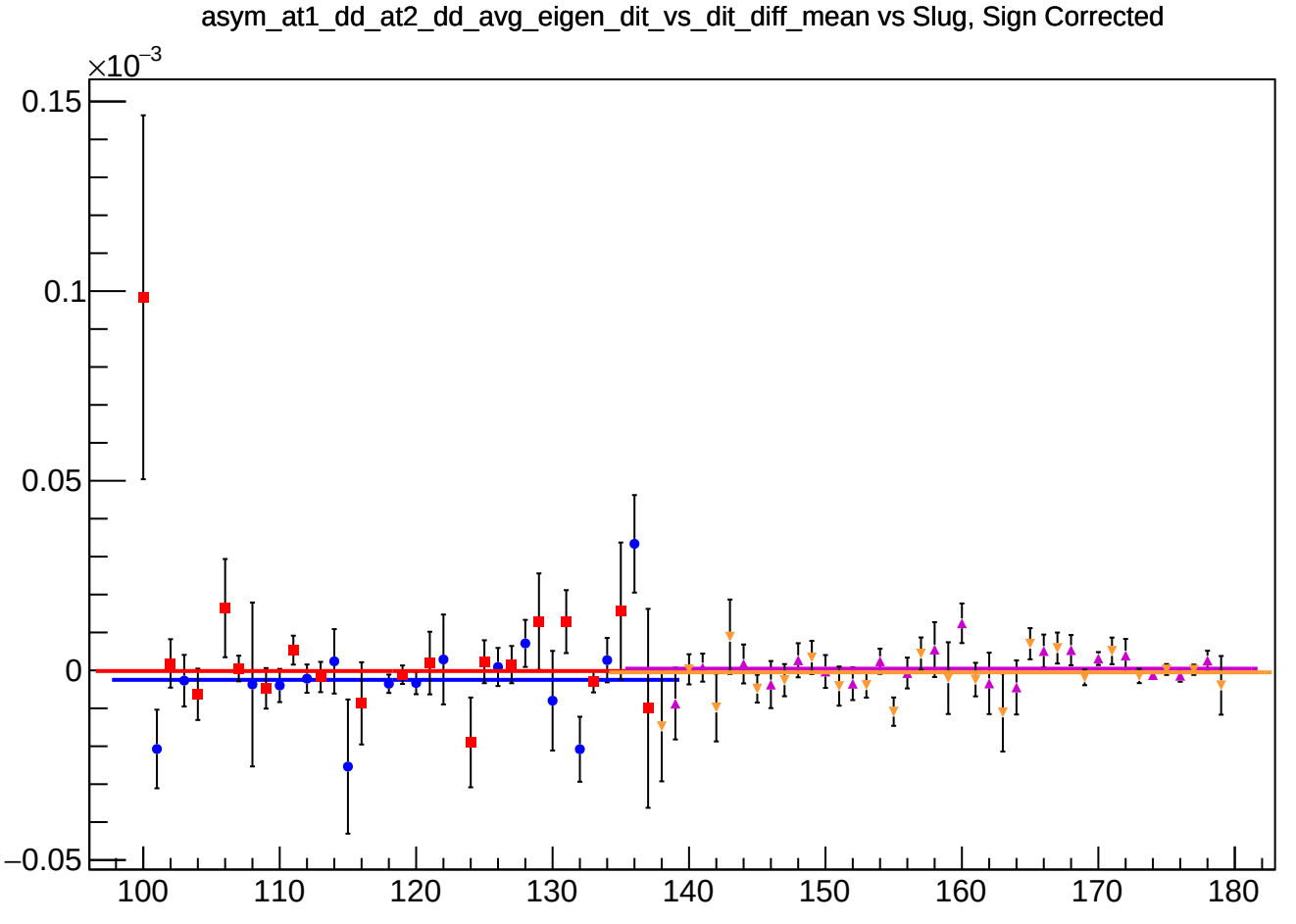
Left: 33.467+/-0.005 χ^2/NDF: 15641848.0/41

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.761+/-0.006 χ^2/NDF:11780225.2/40

All: 34.480+/-0.004 χ^2/NDF: 20964385.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/19

Left: -0.000+/-0.000 χ^2/NDF: 47.7/41

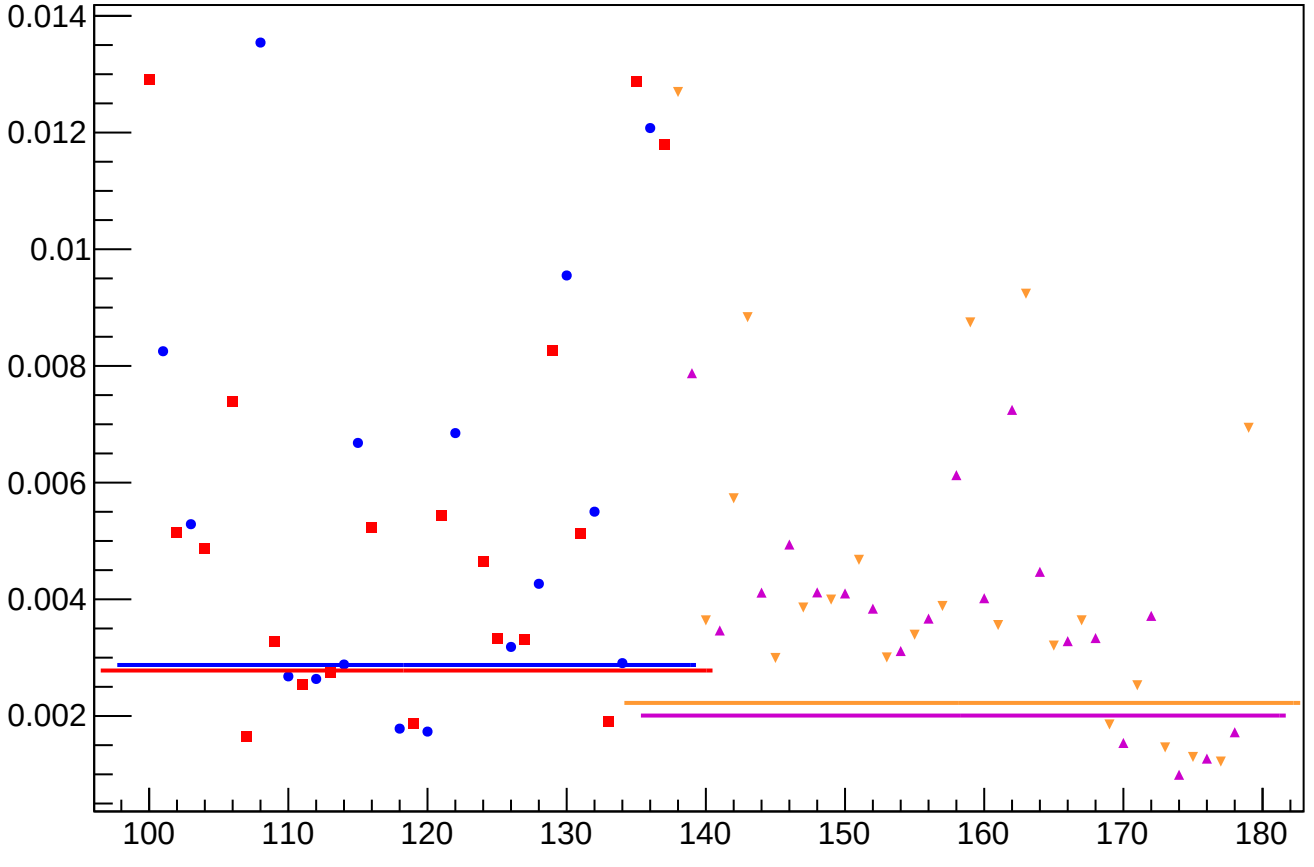
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:45.5/35

Out: -0.000+/-0.000 χ^2/NDF:46.0/40

All: -0.000+/-0.000 χ^2/NDF: 91.7/76

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9758639.5/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8778357.6/19

Left: 0.002+/-0.000 χ^2/NDF: 18649658.3/41

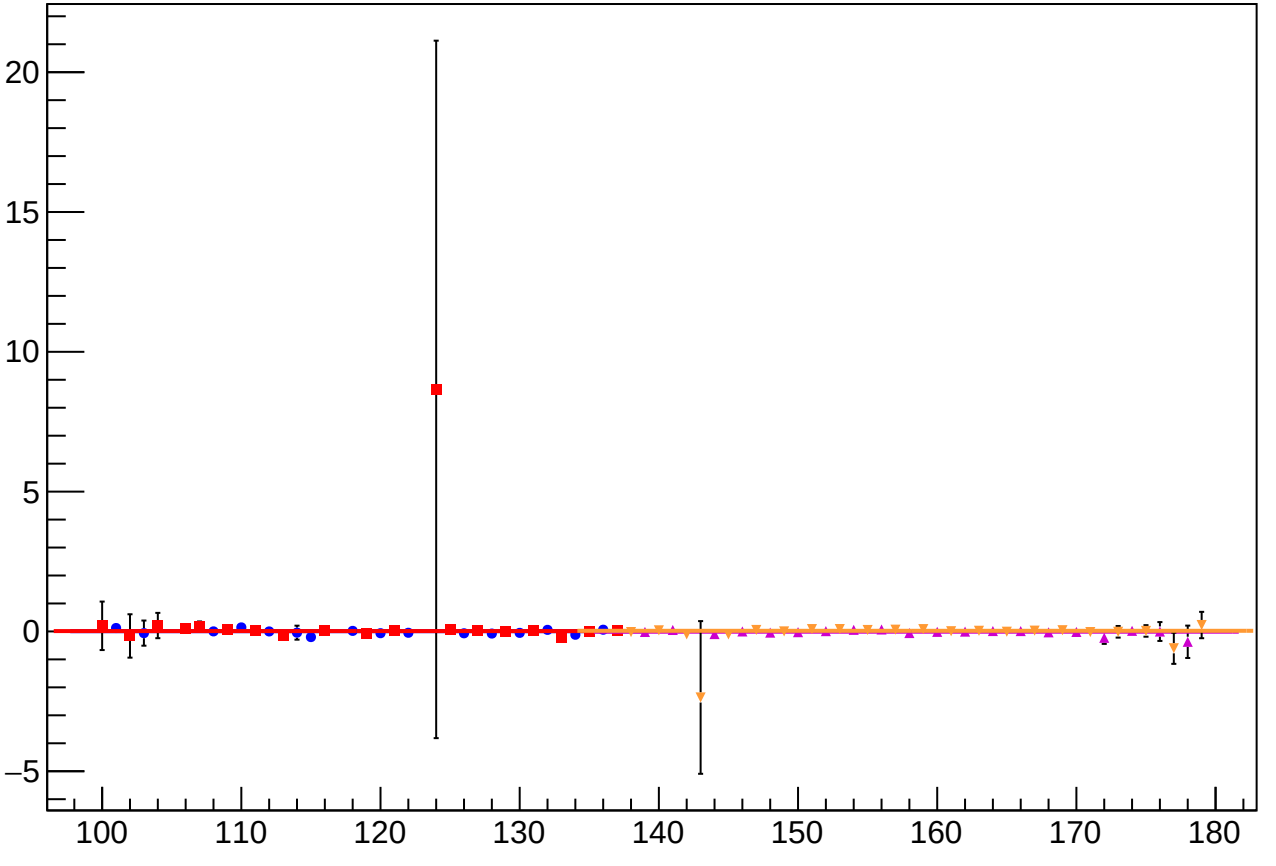
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13642992.2/35

Out: 0.002+/-0.000 χ^2/NDF:13411947.4/40

All: 0.002+/-0.000 χ^2/NDF: 27154661.6/76

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

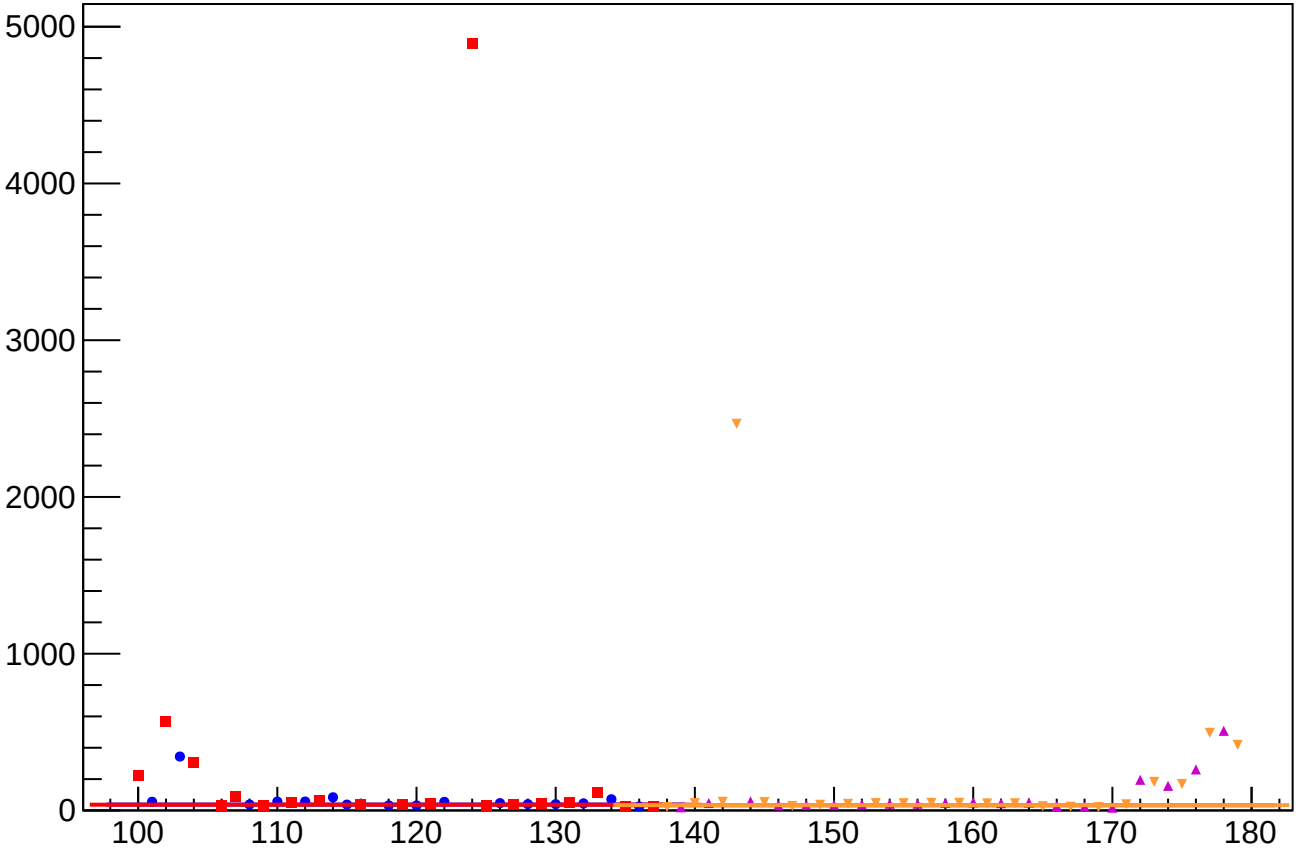
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

Left: 33.467+/-0.005 χ^2/NDF: 15640662.9/41

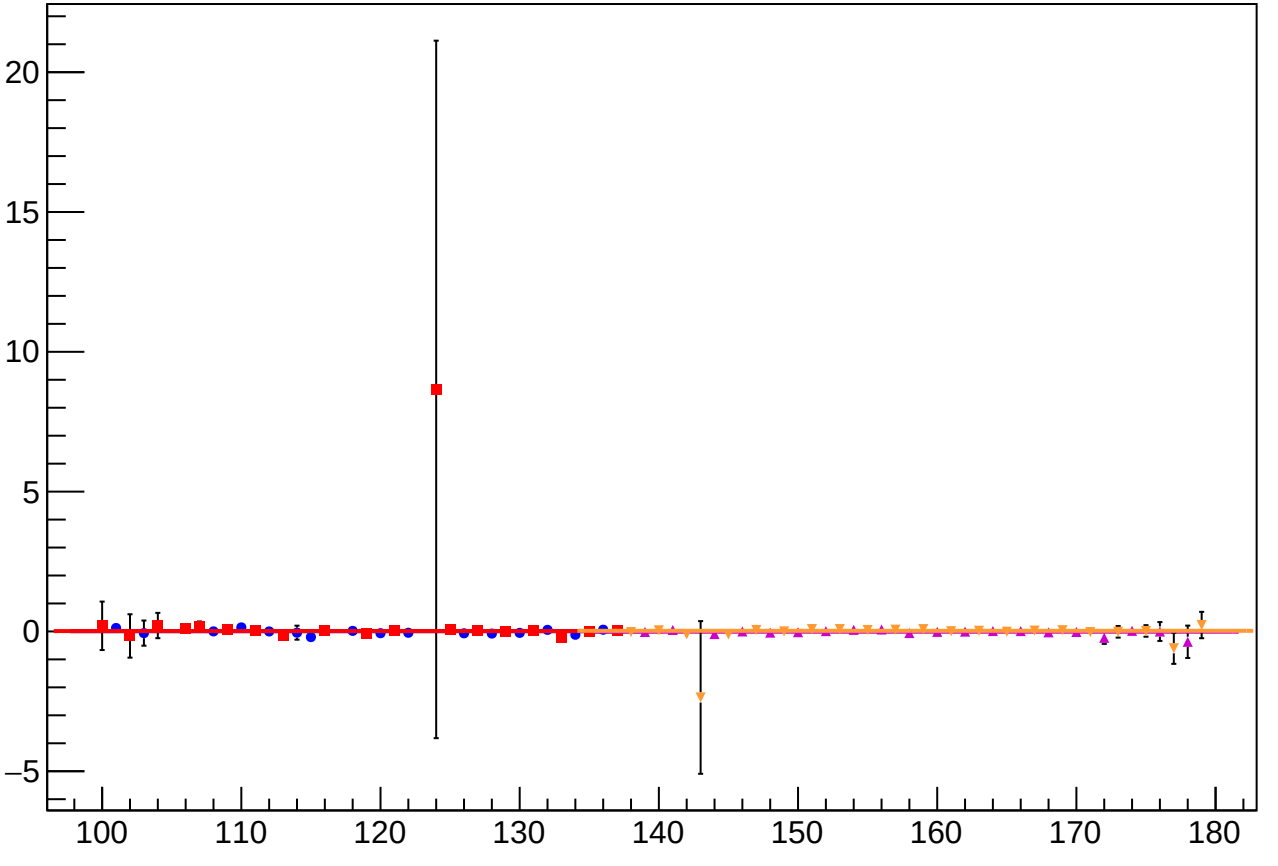
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:19.6/21

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.2/41

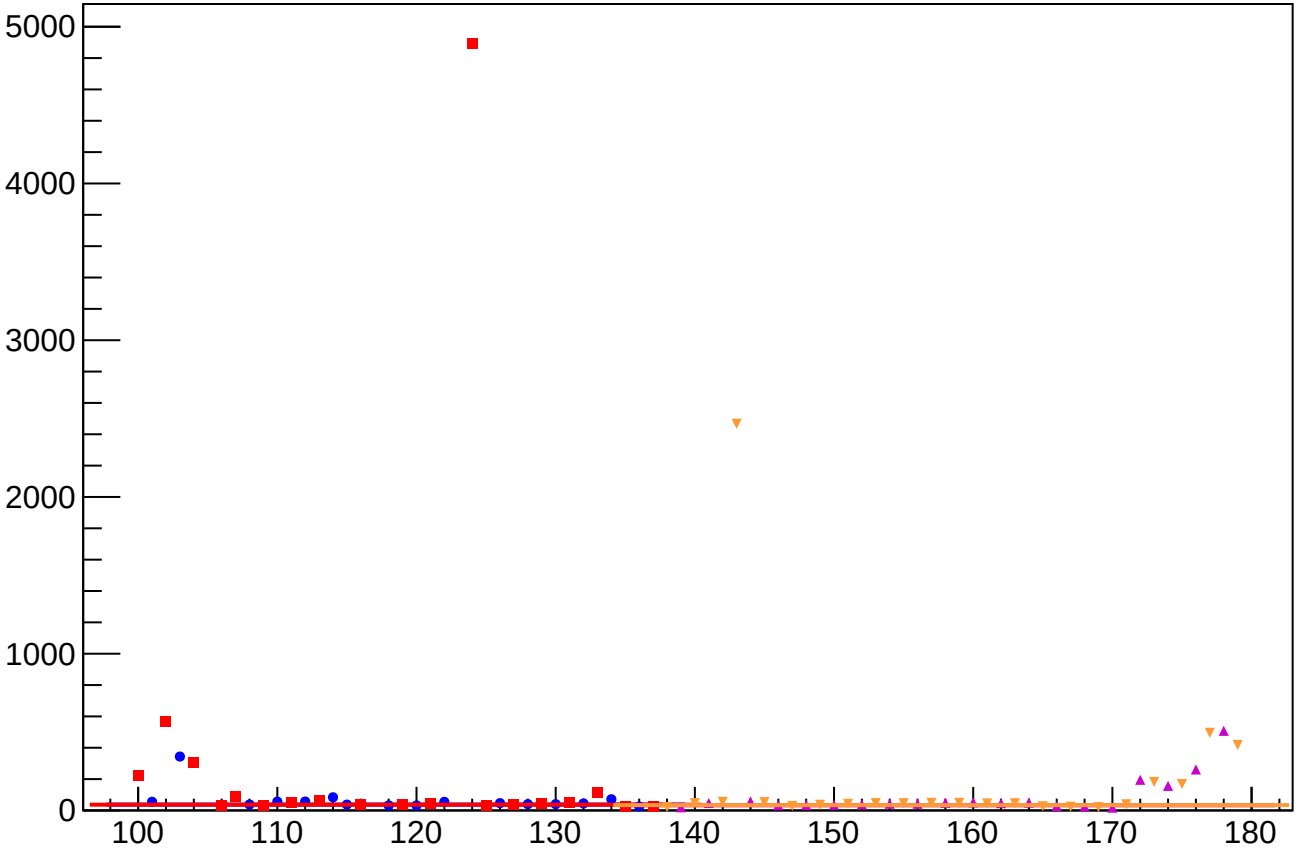
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.4/40

All: 0.007+/-0.006 χ^2/NDF: 69.2/76

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.001+/-0.007 χ^2/NDF:8549446.2/21

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.961+/-0.007 χ^2/NDF:7080579.3/19

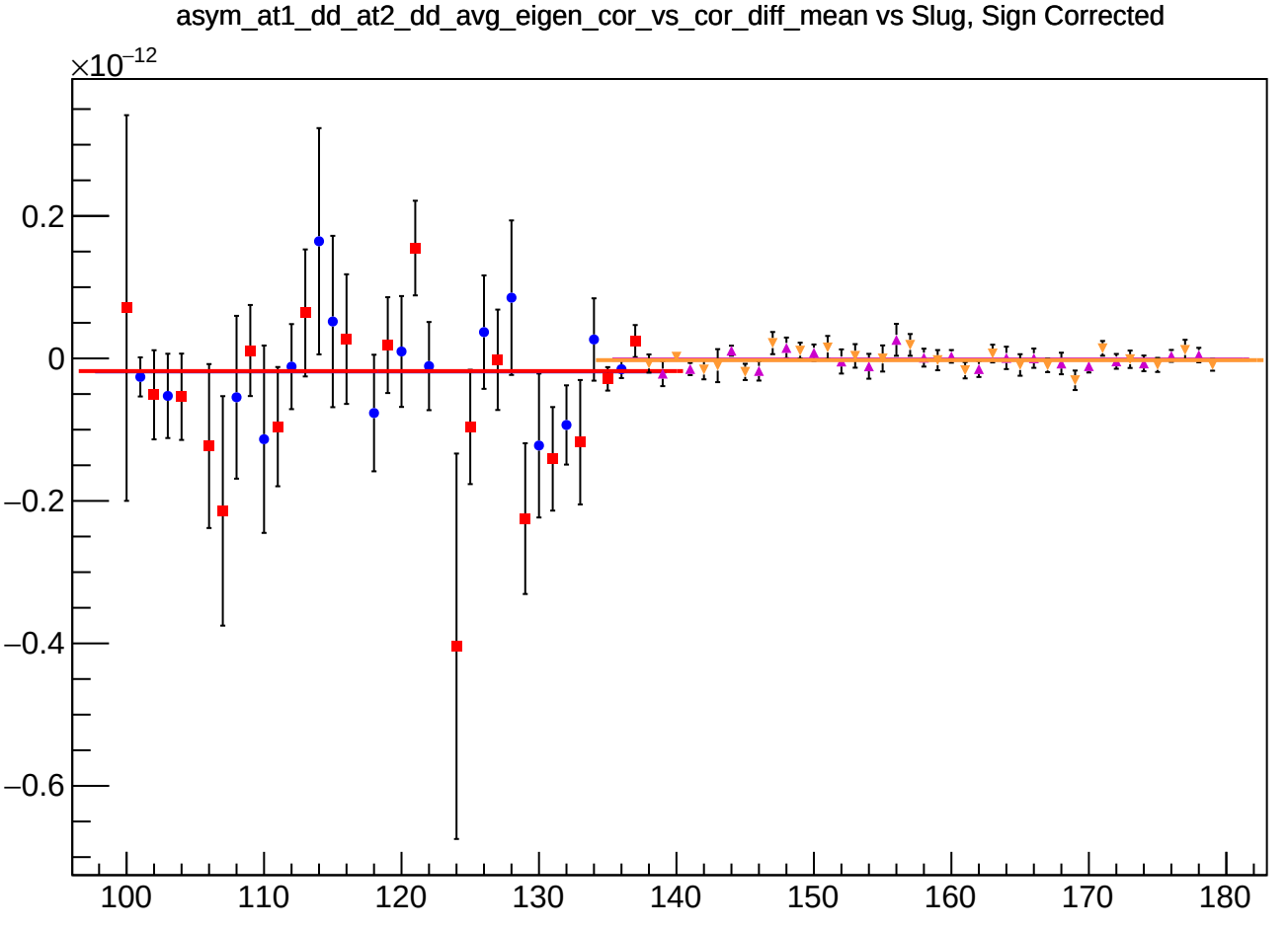
Left: 33.467+/-0.005 χ^2/NDF: 15640662.9/41

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.761+/-0.006 χ^2/NDF:11780092.1/40

All: 34.481+/-0.004 χ^2/NDF: 20962851.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/19

Left: -0.000+/-0.000 χ^2/NDF: 38.6/41

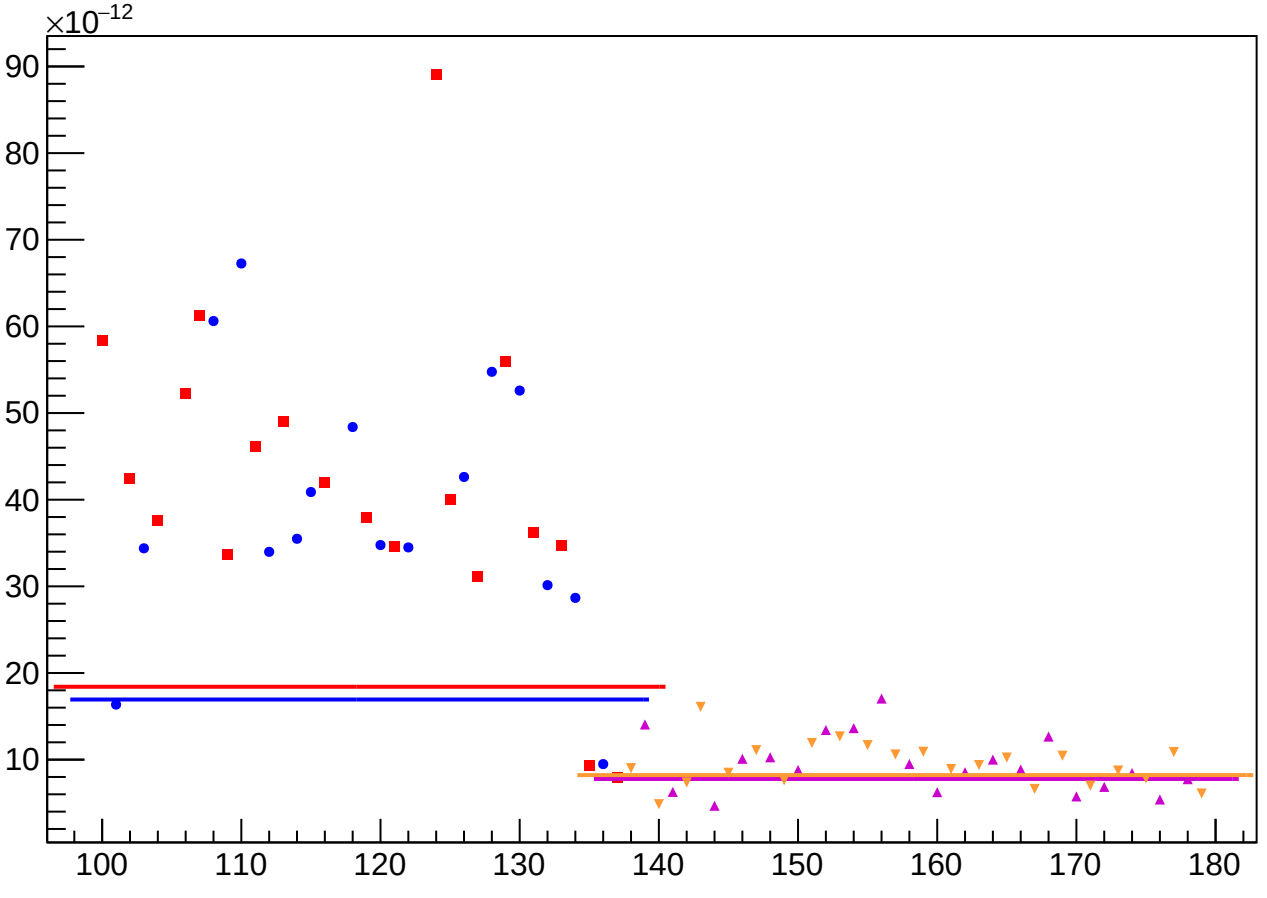
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.9/35

Out: -0.000+/-0.000 χ^2/NDF:51.8/40

All: -0.000+/-0.000 χ^2/NDF: 78.7/76

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1668399.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2280617.5/19

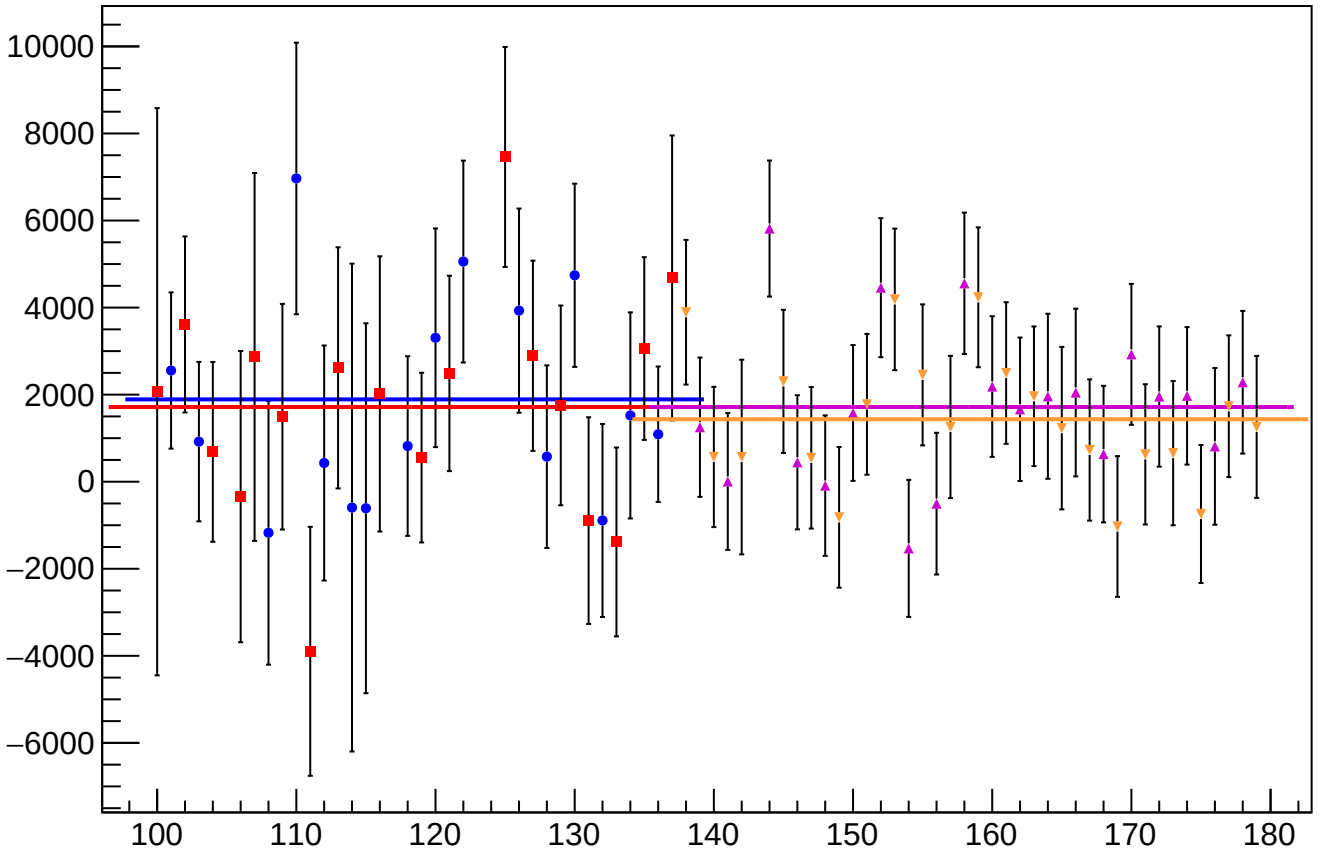
Left: 0.000+/-0.000 χ^2/NDF: 3980191.6/41

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7095031.2/35

Out: 0.000+/-0.000 χ^2/NDF:6959891.1/40

All: 0.000+/-0.000 χ^2/NDF: 14081405.7/76



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.922+/-360.389 χ^2/NDF:17.0/20

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1715.280+/-364.506 χ^2/NDF:23.8/19

Left: 1574.014+/-256.277 χ^2/NDF: 41.1/40

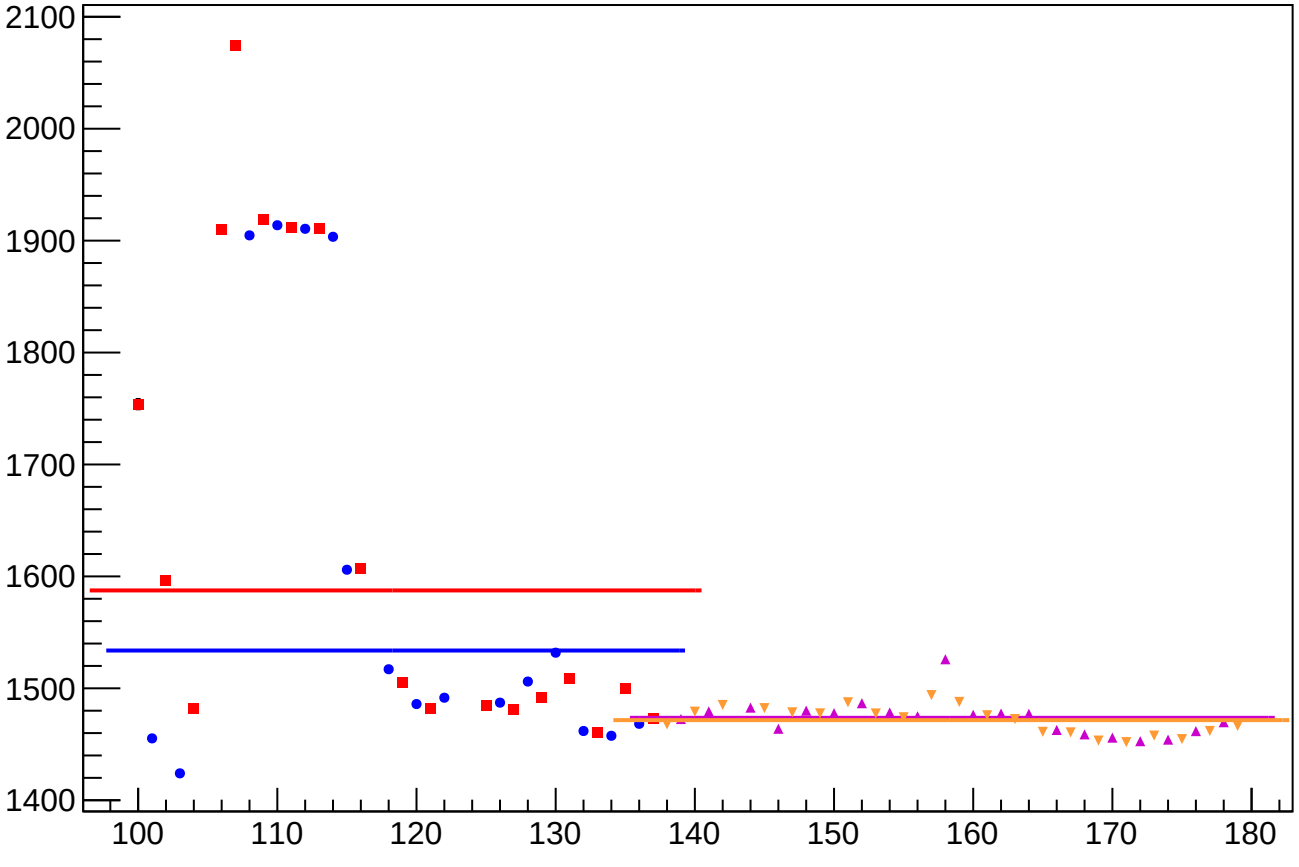
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1766.130+/-307.435 χ^2/NDF:36.1/35

Out: 1512.092+/-307.484 χ^2/NDF:33.1/38

All: 1639.132+/-217.407 χ^2/NDF: 69.5/74

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

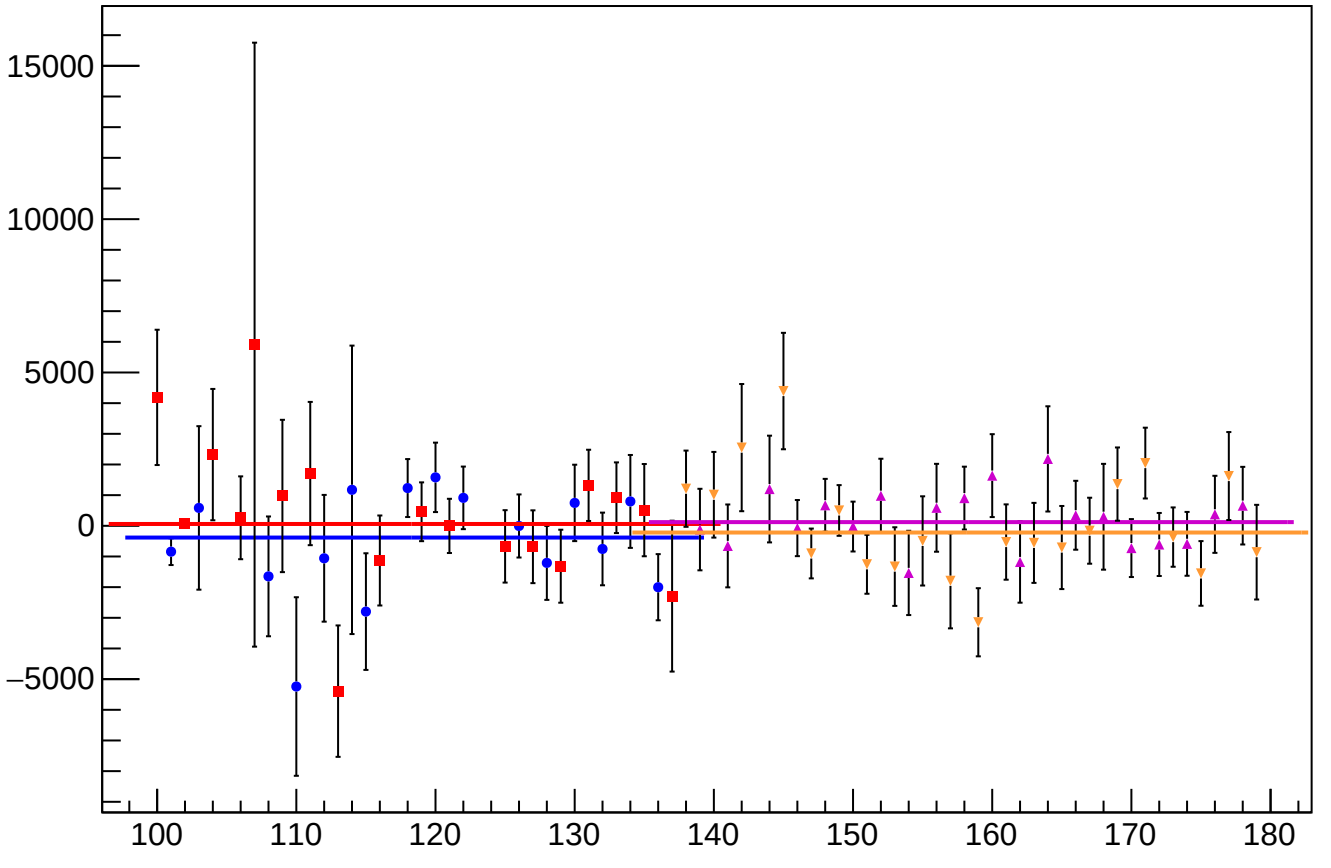
Left: 1472.591+/-0.181 χ^2/NDF: 5988.9/40

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1490.987+/-0.217 χ^2/NDF:148679.6/35

Out: 1503.103+/-0.217 χ^2/NDF:230511.2/38

All: 1497.044+/-0.154 χ^2/NDF: 380743.6/74



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.758+/-258.001 χ^2/NDF:30.5/20

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 120.853+/-258.319 χ^2/NDF:9.6/19

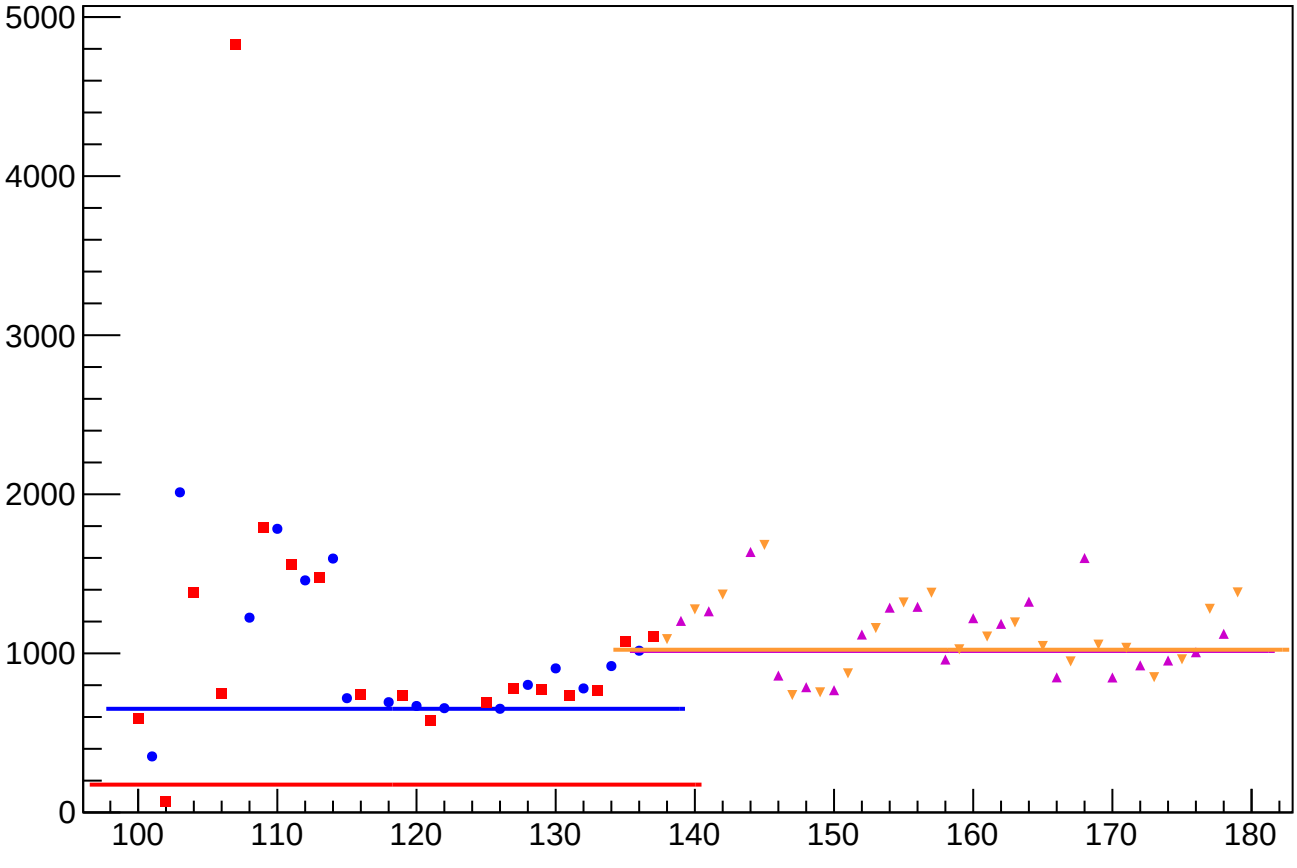
Left: -49.162+/-182.547 χ^2/NDF: 40.9/40

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -117.790+/-187.377 χ^2/NDF:29.6/35

Out: 5.123+/-114.449 χ^2/NDF:49.2/38

All: -28.273+/-97.671 χ^2/NDF: 79.1/74



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1022.872+/-0.182 χ^2/NDF:1384023.4/20

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1015.043+/-0.183 χ^2/NDF:1435387.6/19

Left: 1018.962+/-0.129 χ^2/NDF: 2820330.9/40

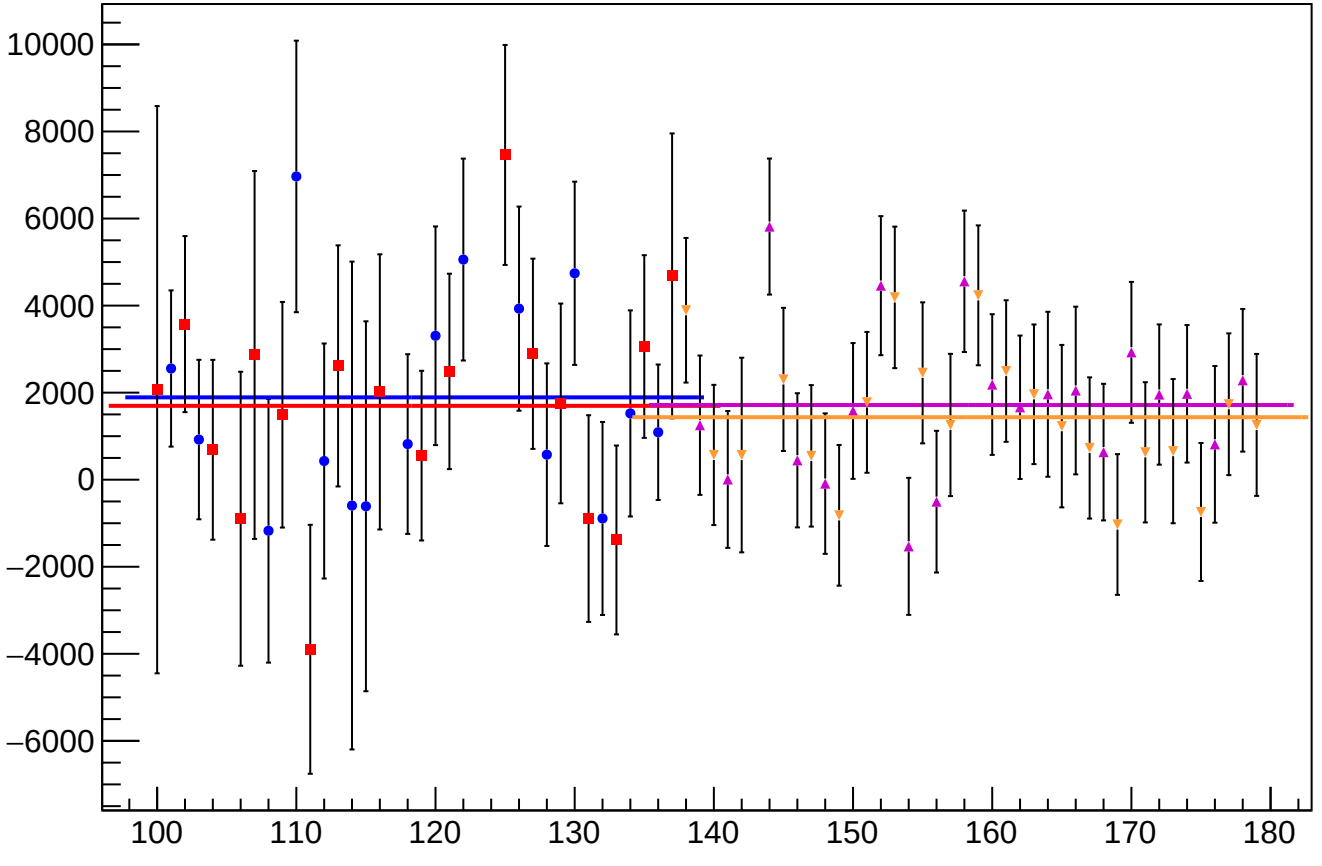
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 842.794+/-0.132 χ^2/NDF:6074772.9/35

Out: 341.761+/-0.081 χ^2/NDF:28498791.7/38

All: 477.894+/-0.069 χ^2/NDF: 44988006.2/74

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1715.334+/-364.506 χ^2/NDF:23.8/19

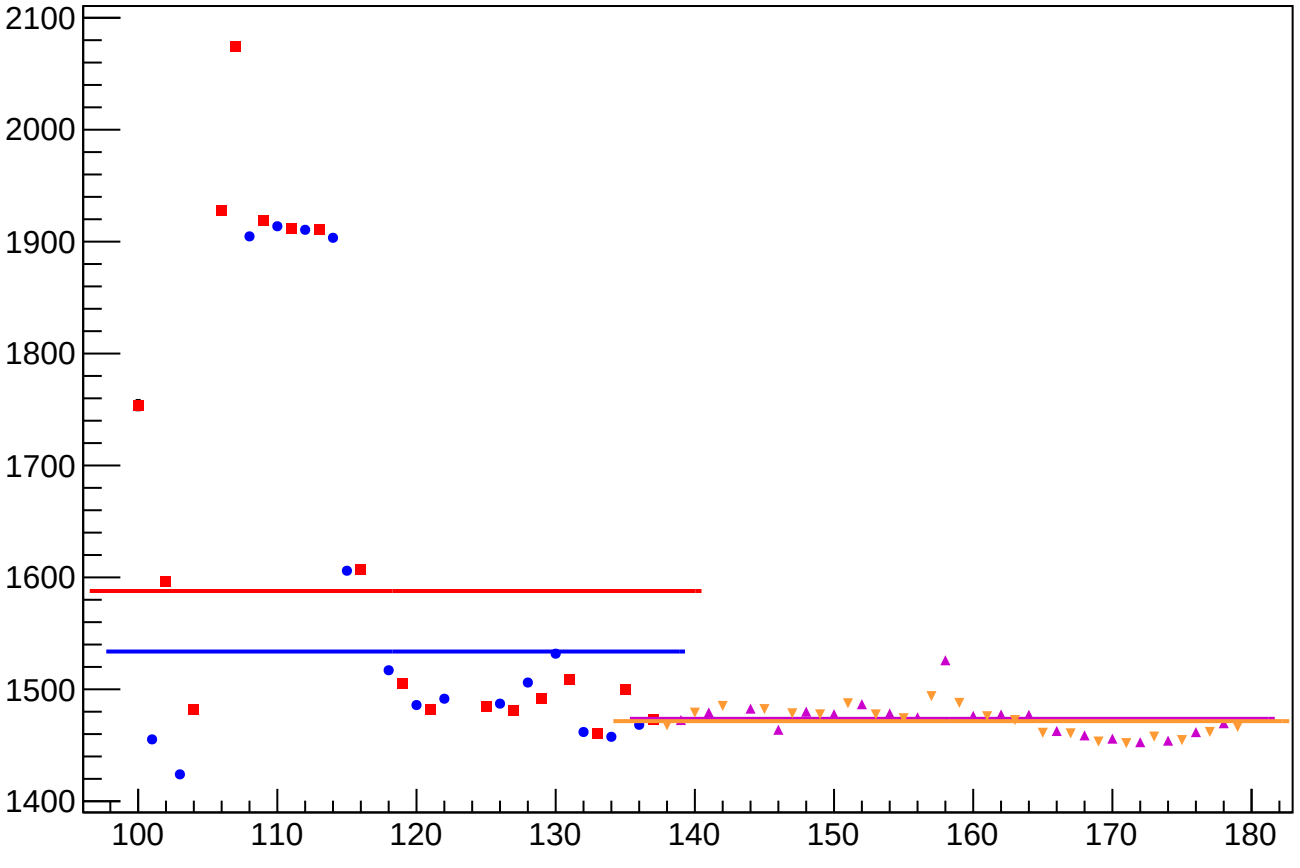
Left: 1574.038+/-256.277 χ^2/NDF: 41.1/40

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1766.198+/-307.435 χ^2/NDF:36.1/35

Out: 1506.910+/-307.510 χ^2/NDF:33.3/38

All: 1636.586+/-217.416 χ^2/NDF: 69.7/74



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

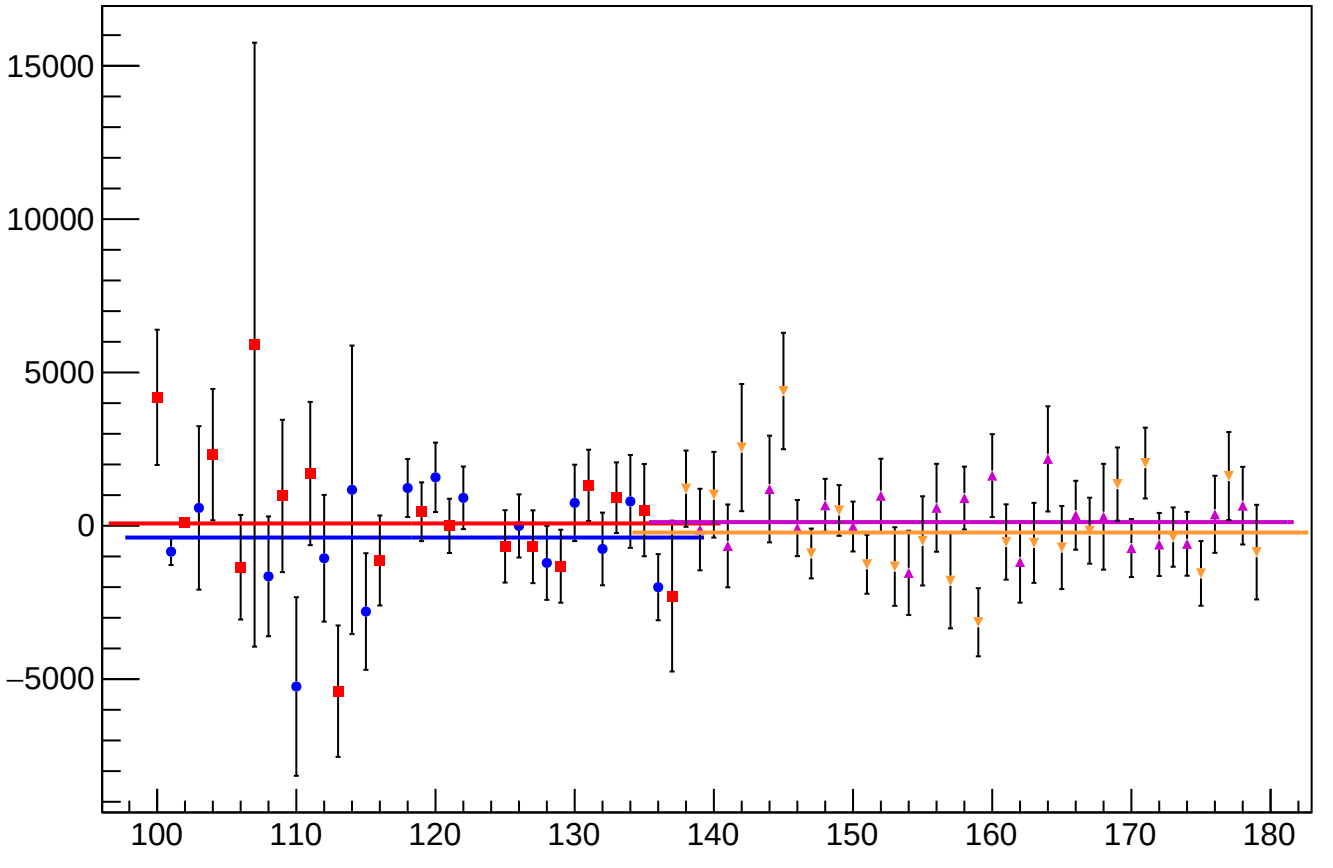
Left: 1472.591+/-0.181 χ^2/NDF: 5988.9/40

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1490.987+/-0.217 χ^2/NDF:148679.6/35

Out: 1503.194+/-0.217 χ^2/NDF:232638.8/38

All: 1497.089+/-0.154 χ^2/NDF: 382894.3/74



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.761+/-258.001 χ^2/NDF:30.5/20

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 120.914+/-258.319 χ^2/NDF:9.6/19

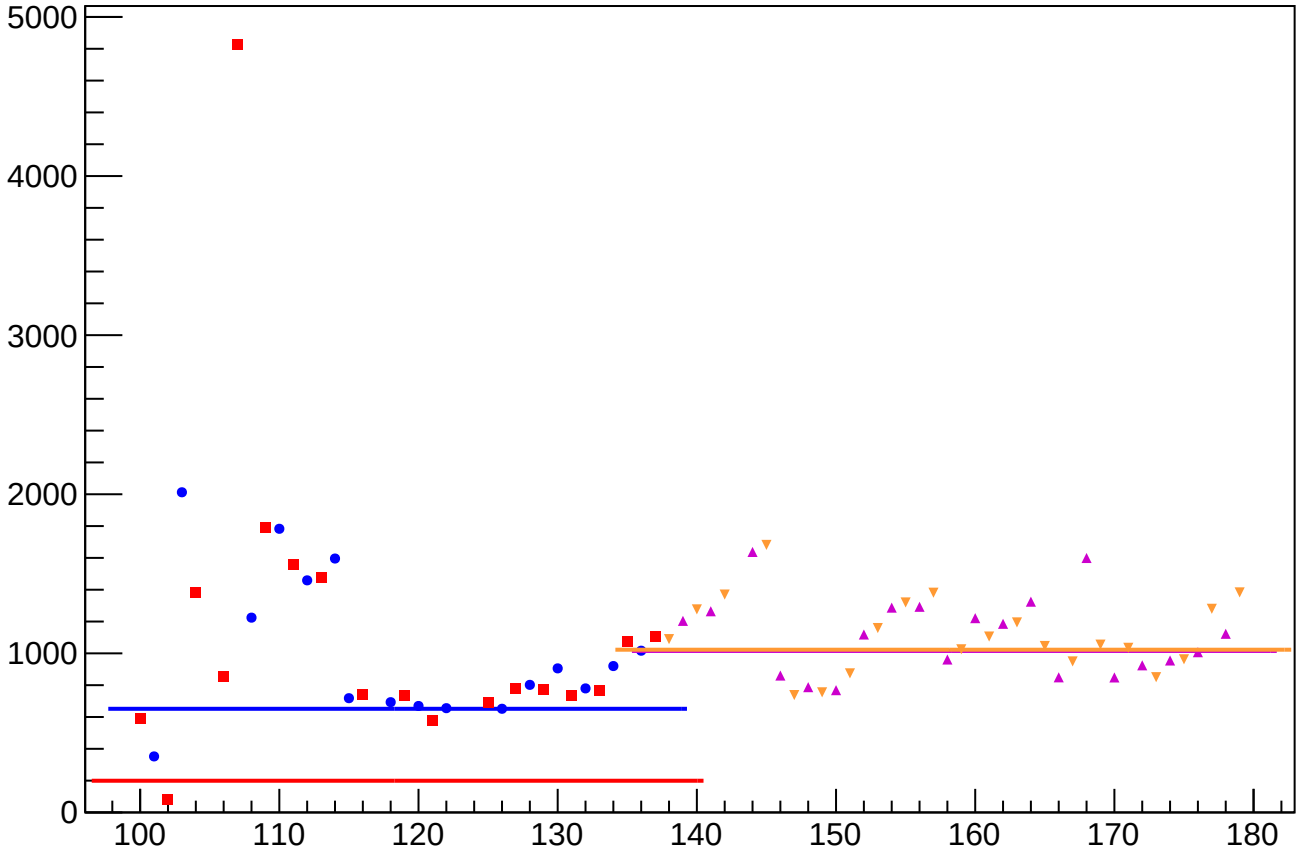
Left: -49.133+/-182.547 χ^2/NDF: 40.9/40

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -117.746+/-187.377 χ^2/NDF:29.6/35

Out: 10.914+/-121.780 χ^2/NDF:50.0/38

All: -27.293+/-102.110 χ^2/NDF: 79.9/74



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

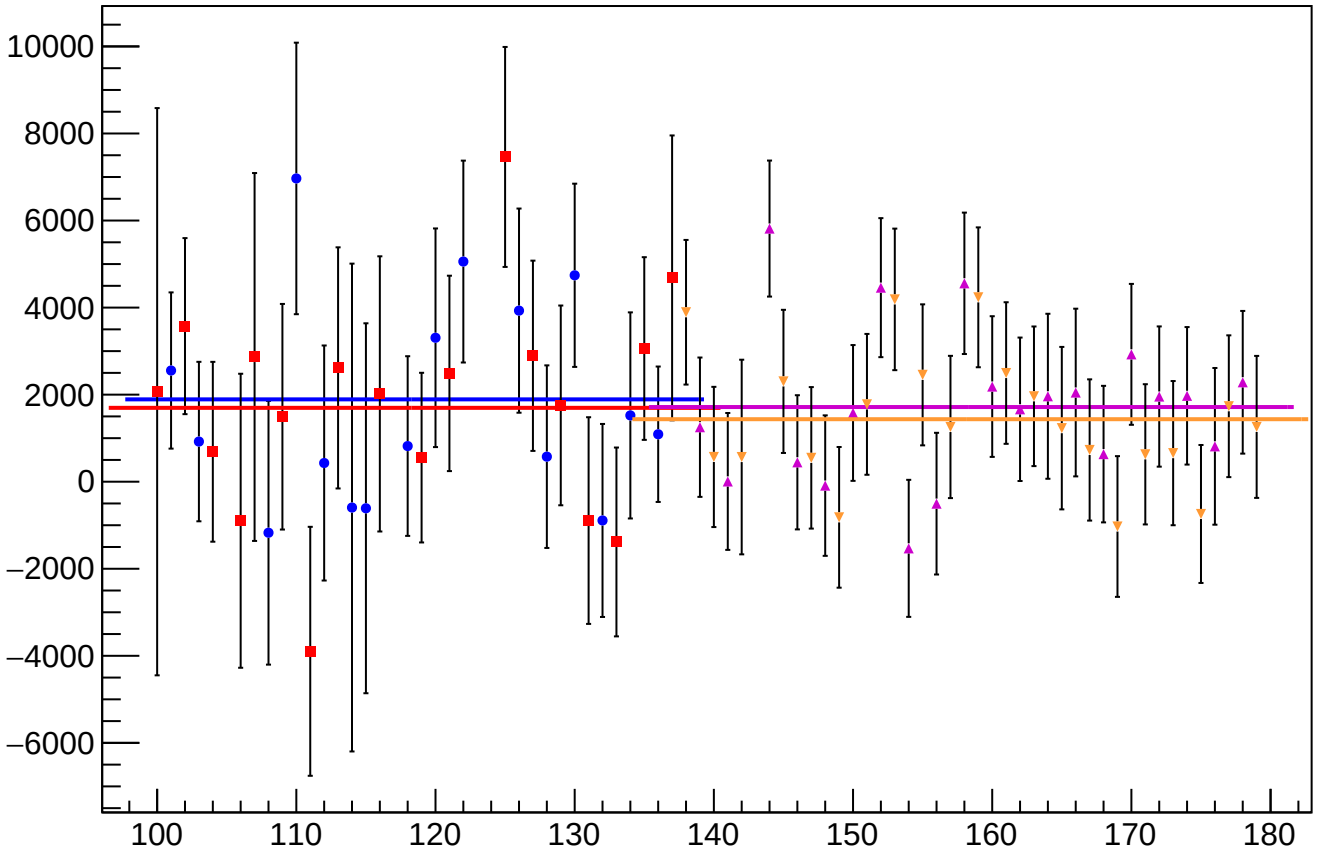
Left: 1018.964+/-0.129 χ^2/NDF: 2820438.1/40

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 842.793+/-0.132 χ^2/NDF:6074905.0/35

Out: 382.825+/-0.086 χ^2/NDF:26506100.2/38

All: 519.417+/-0.072 χ^2/NDF: 41053875.5/74



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1435.917+/-360.389 χ^2/NDF:17.0/20

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1715.334+/-364.506 χ^2/NDF:23.8/19

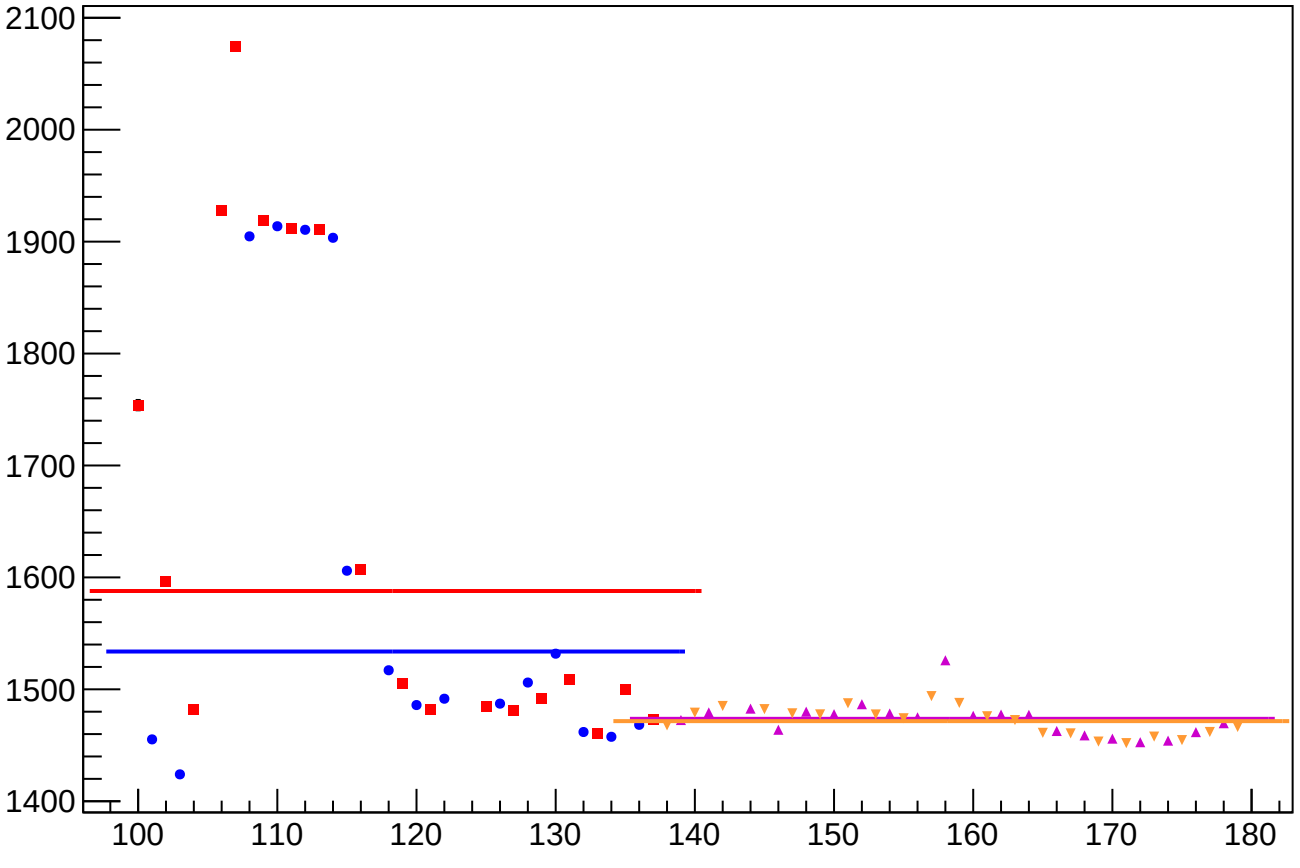
Left: 1574.038+/-256.277 χ^2/NDF: 41.1/40

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1766.198+/-307.435 χ^2/NDF:36.1/35

Out: 1506.910+/-307.510 χ^2/NDF:33.3/38

All: 1636.586+/-217.416 χ^2/NDF: 69.7/74



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.576+/-0.255 χ^2/NDF:2264.0/20

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.629+/-0.258 χ^2/NDF:3692.8/19

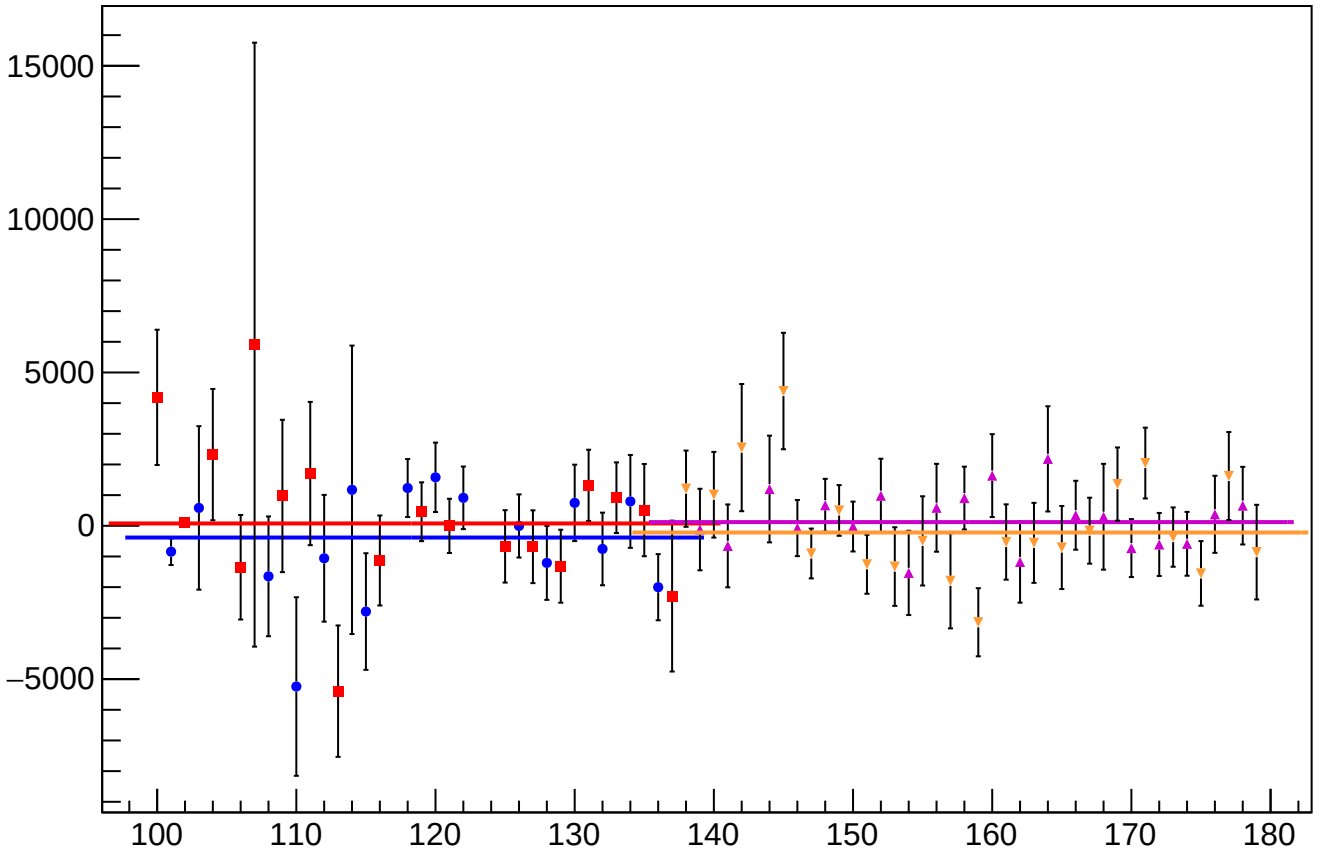
Left: 1472.591+/-0.181 χ^2/NDF: 5988.9/40

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1490.987+/-0.217 χ^2/NDF:148679.6/35

Out: 1503.194+/-0.217 χ^2/NDF:232638.8/38

All: 1497.089+/-0.154 χ^2/NDF: 382894.3/74



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -218.761+/-258.001 χ^2/NDF:30.5/20

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 120.914+/-258.319 χ^2/NDF:9.6/19

Left: -49.133+/-182.547 χ^2/NDF: 40.9/40

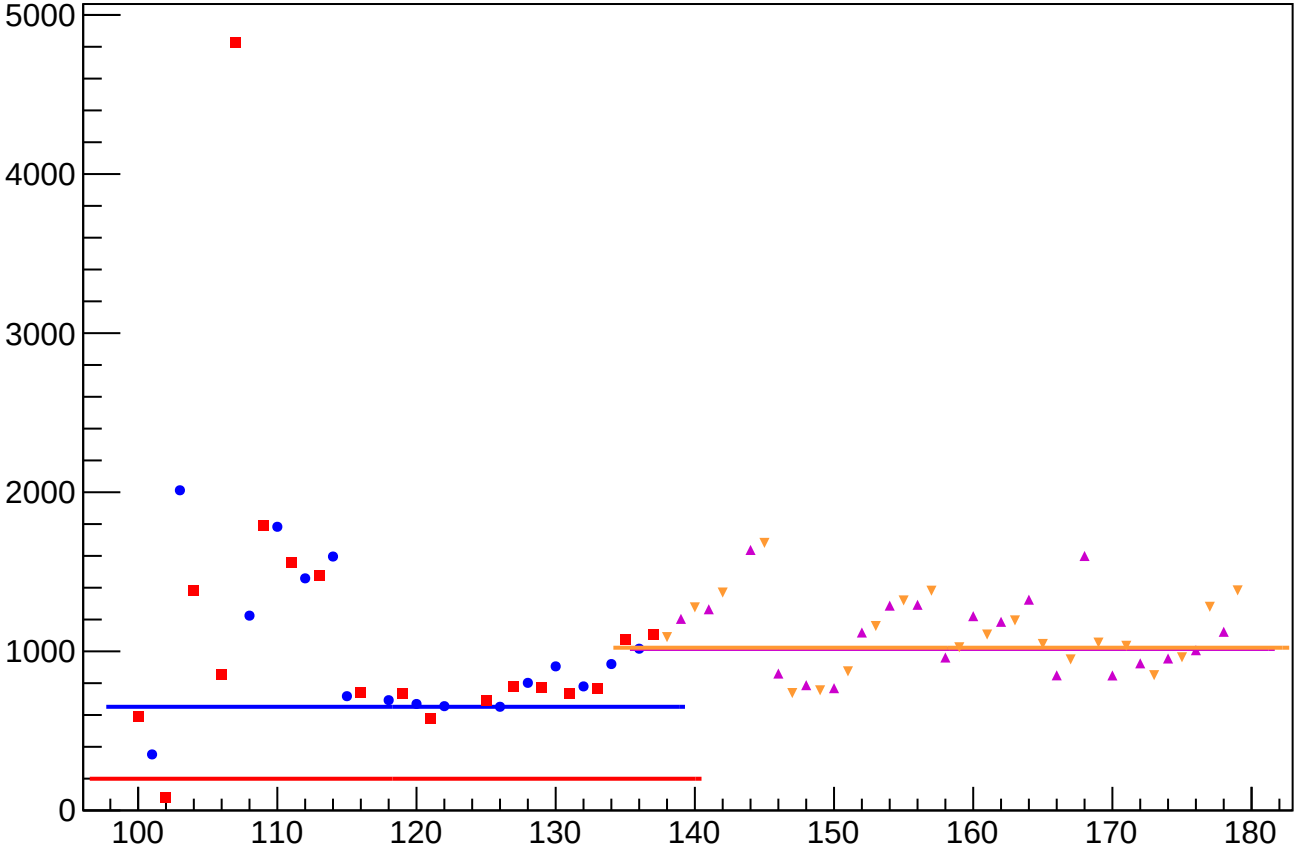
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -117.746+/-187.377 χ^2/NDF:29.6/35

Out: 10.914+/-121.780 χ^2/NDF:50.0/38

All: -27.293+/-102.110 χ^2/NDF: 79.9/74

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1022.875+/-0.182 χ^2/NDF:1384042.6/20

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

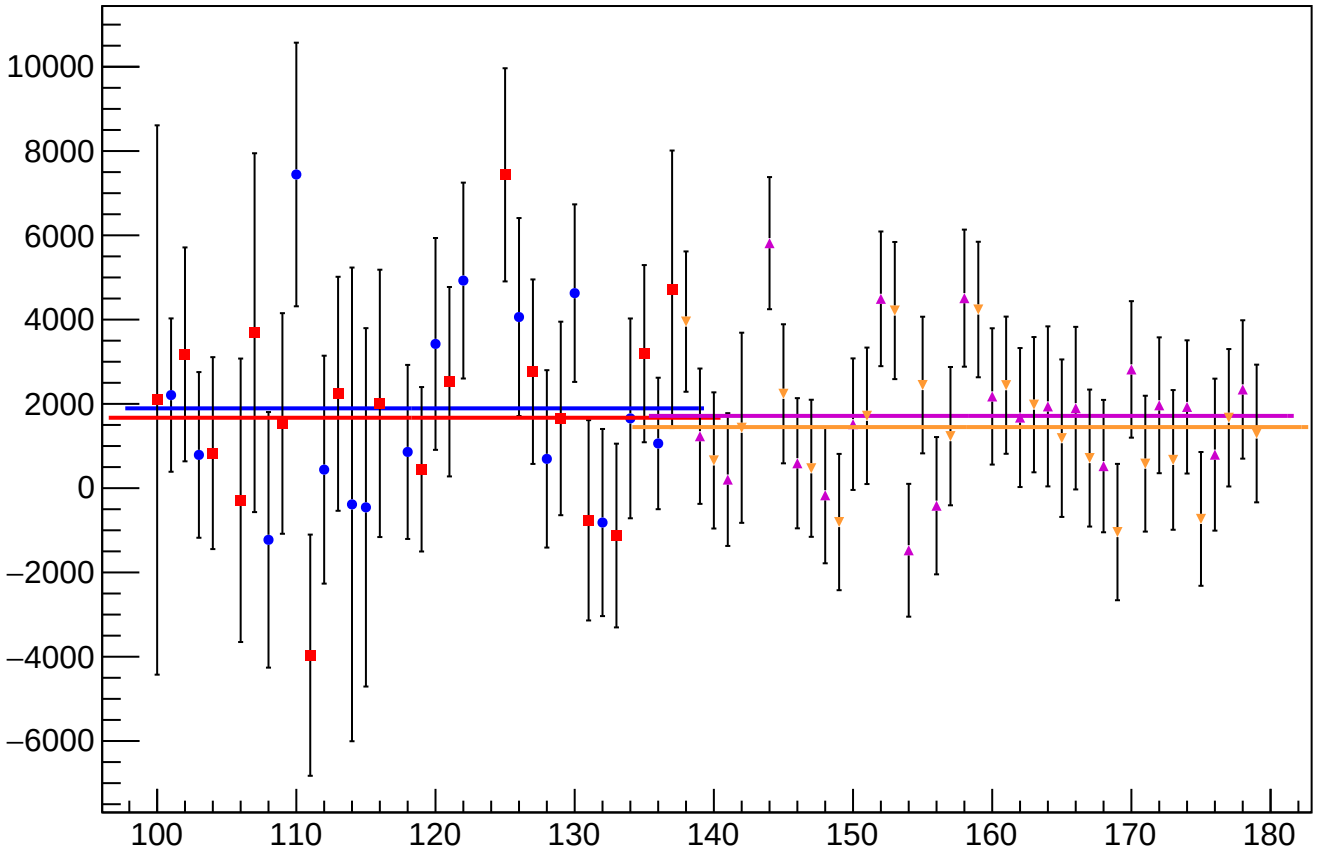
Left: 1018.964+/-0.129 χ^2/NDF: 2820438.1/40

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 842.793+/-0.132 χ^2/NDF:6074905.0/35

Out: 382.825+/-0.086 χ^2/NDF:26506100.2/38

All: 519.417+/-0.072 χ^2/NDF: 41053875.5/74



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1449.491+/-360.984 χ^2/NDF:16.9/20

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1714.911+/-365.015 χ^2/NDF:23.1/19

Left: 1580.728+/-256.668 χ^2/NDF: 40.2/40

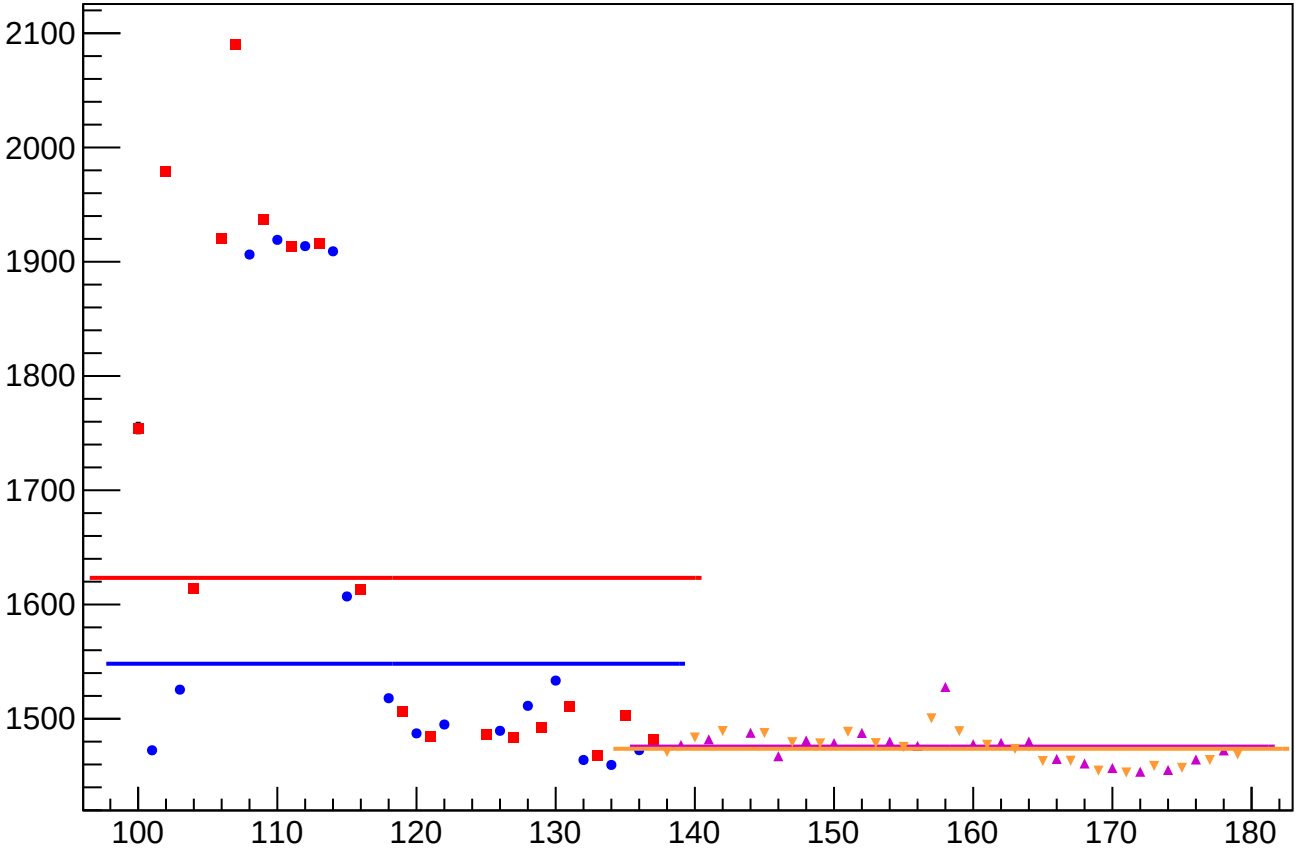
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1766.066+/-308.569 χ^2/NDF:35.5/35

Out: 1507.652+/-309.974 χ^2/NDF:32.0/38

All: 1637.446+/-218.686 χ^2/NDF: 67.8/74

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1473.747+/-0.255 χ^2/NDF:2501.2/20

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1475.667+/-0.258 χ^2/NDF:3753.5/19

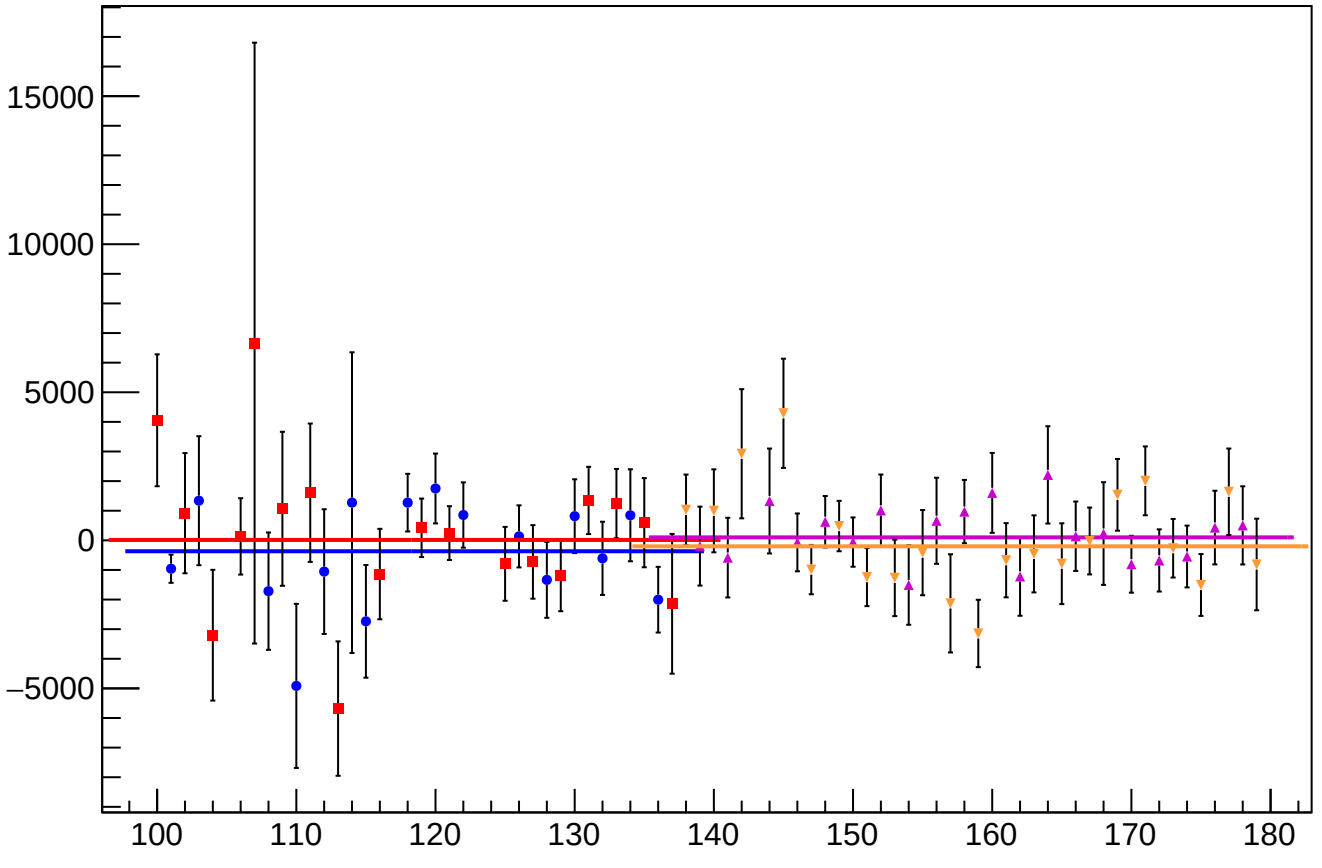
Left: 1474.697+/-0.181 χ^2/NDF: 6282.6/40

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1496.358+/-0.218 χ^2/NDF:146178.8/35

Out: 1513.035+/-0.219 χ^2/NDF:304232.3/38

All: 1504.659+/-0.155 χ^2/NDF: 453318.8/74



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -201.462+/-261.726 χ^2/NDF:30.6/20

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 99.730+/-262.548 χ^2/NDF:9.9/19

Left: -51.338+/-185.358 χ^2/NDF: 41.1/40

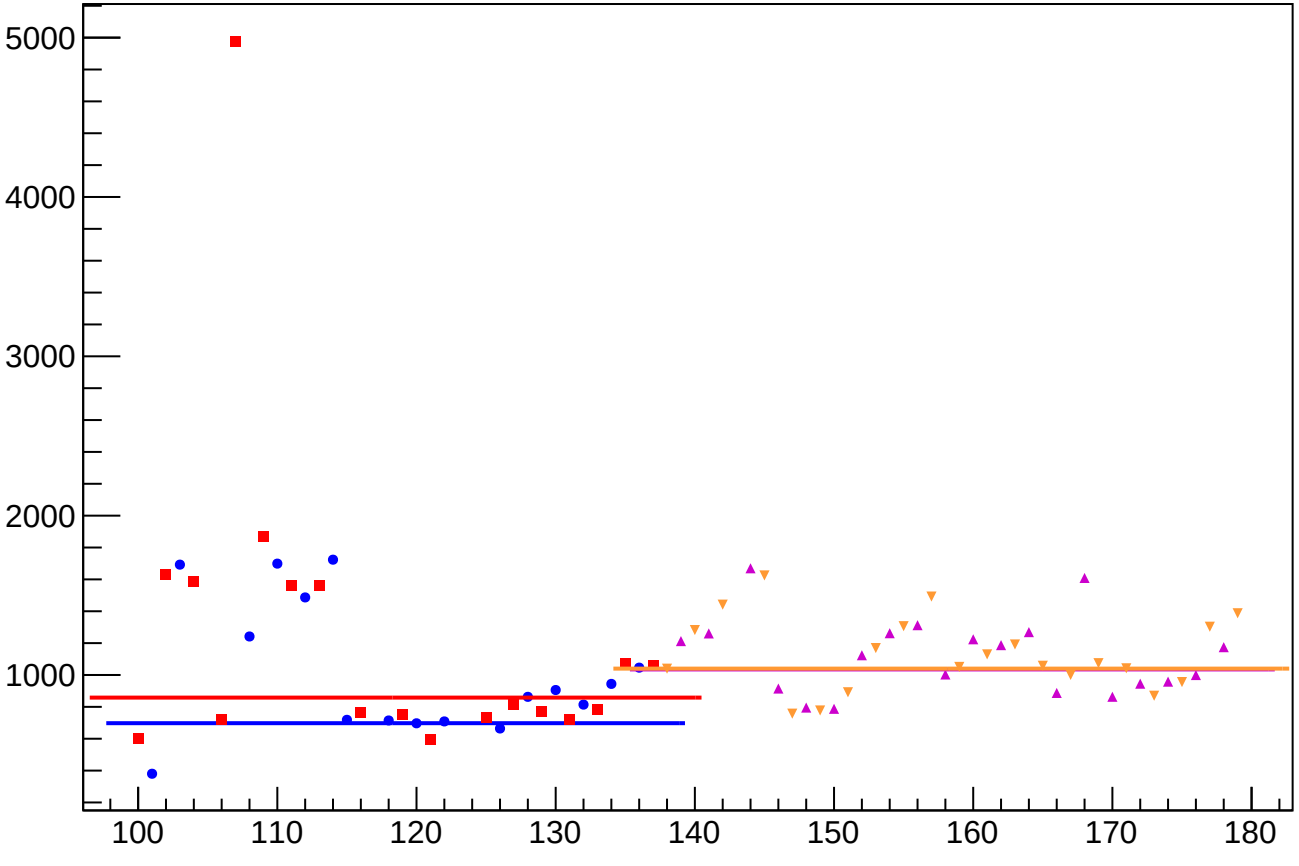
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -114.030+/-193.588 χ^2/NDF:30.2/35

Out: -121.856+/-207.750 χ^2/NDF:49.9/38

All: -117.667+/-141.629 χ^2/NDF: 80.1/74

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1039.995+/-0.185 χ^2/NDF:1312591.3/20

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1034.792+/-0.186 χ^2/NDF:1319618.2/19

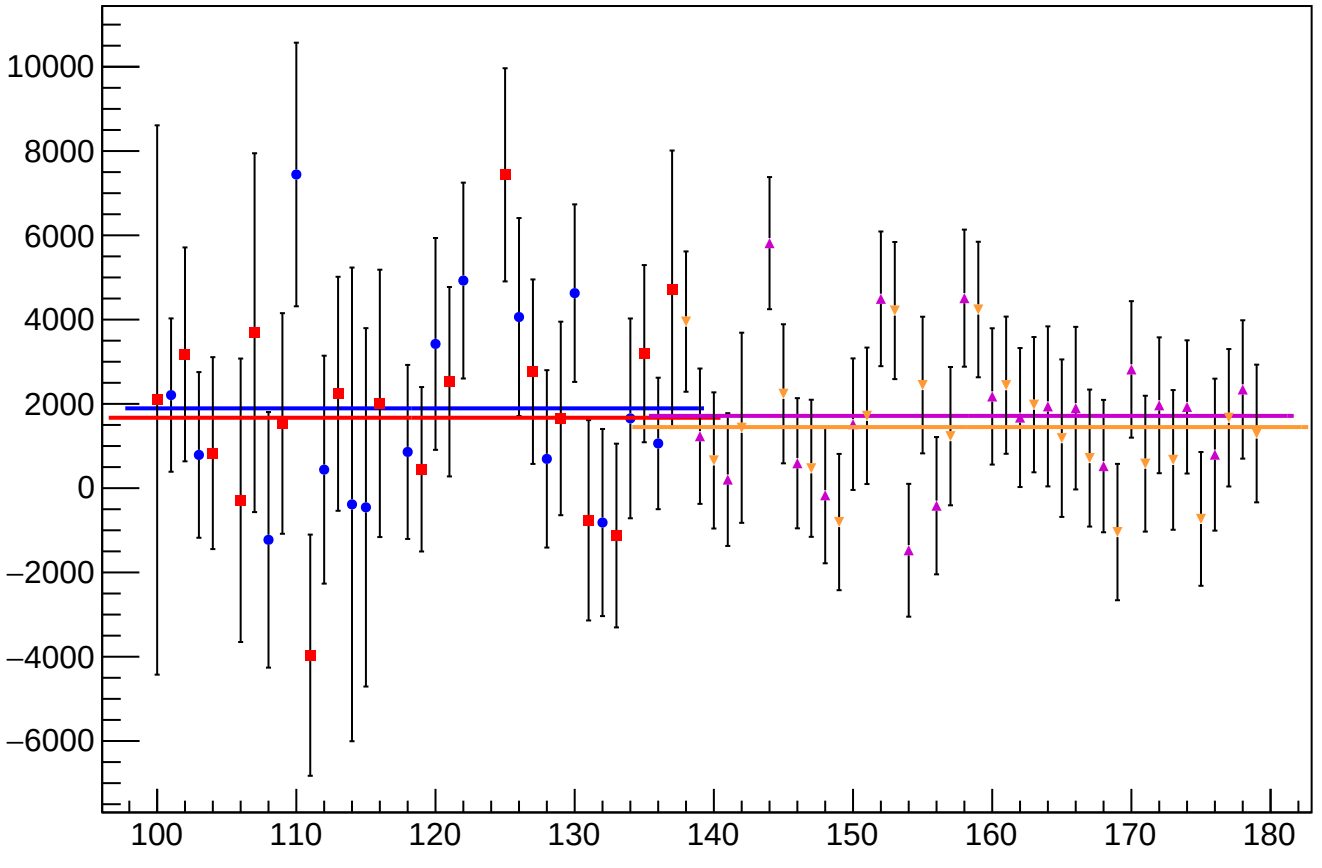
Left: 1037.401+/-0.131 χ^2/NDF: 2632603.4/40

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 880.885+/-0.137 χ^2/NDF:5261331.6/35

Out: 972.704+/-0.147 χ^2/NDF:3552128.4/38

All: 923.558+/-0.100 χ^2/NDF: 9022567.0/74



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1449.490+/-360.984 χ^2/NDF:16.9/20

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1714.913+/-365.015 χ^2/NDF:23.1/19

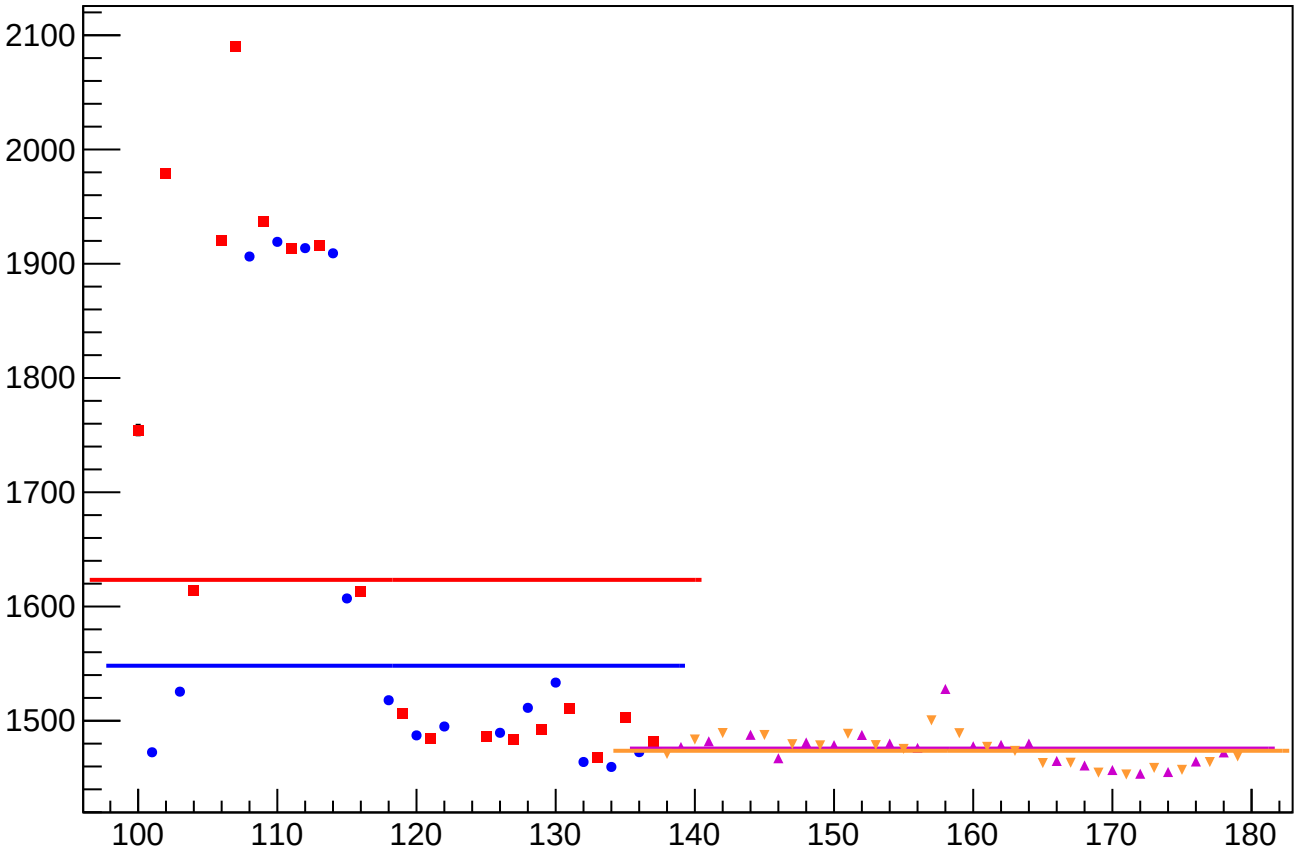
Left: 1580.727+/-256.668 χ^2/NDF: 40.2/40

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1766.066+/-308.569 χ^2/NDF:35.5/35

Out: 1507.651+/-309.974 χ^2/NDF:32.0/38

All: 1637.446+/-218.686 χ^2/NDF: 67.8/74



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1473.747+/-0.255 χ^2/NDF:2501.2/20

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.667+/-0.258 χ^2/NDF:3753.5/19

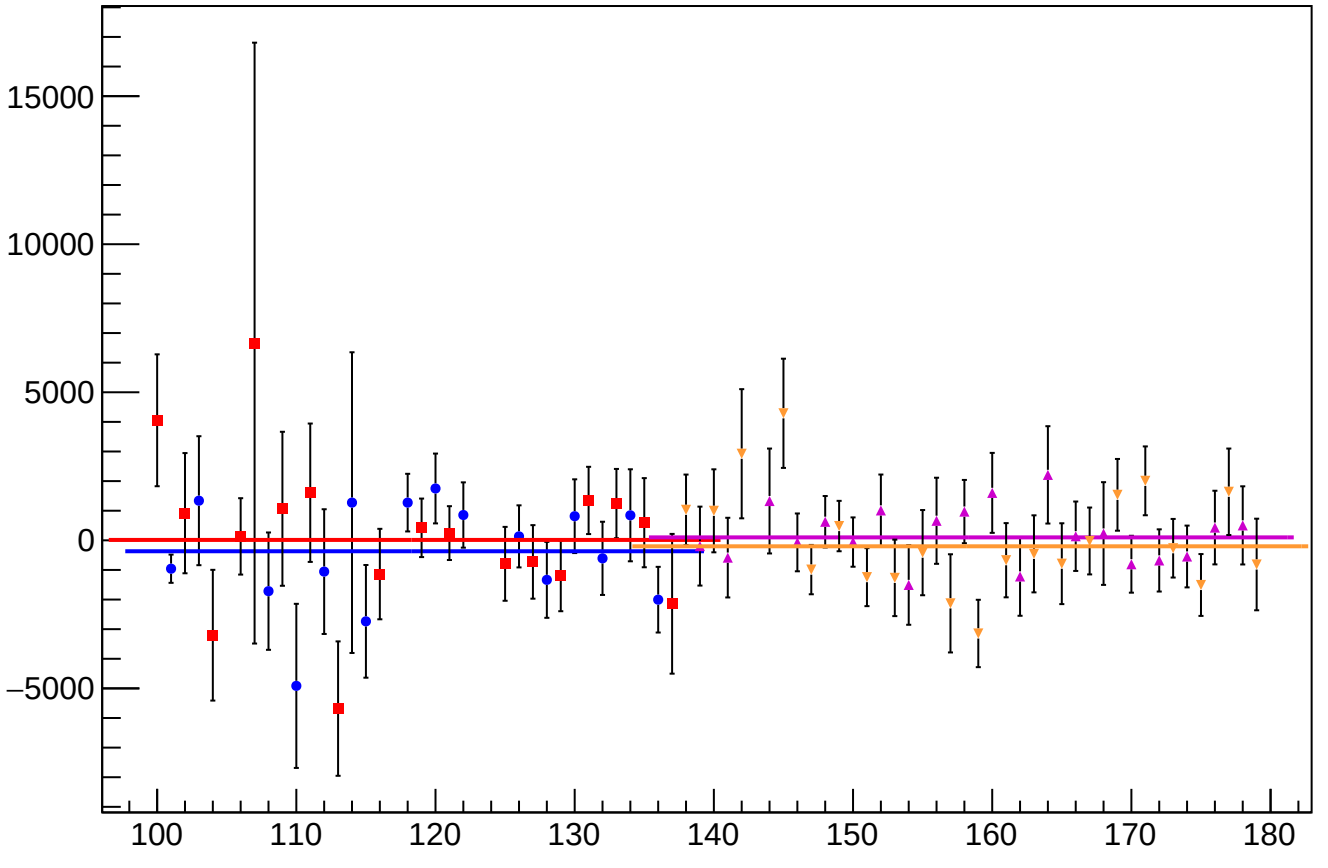
Left: 1474.697+/-0.181 χ^2/NDF: 6282.6/40

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1496.358+/-0.218 χ^2/NDF:146178.7/35

Out: 1513.035+/-0.219 χ^2/NDF:304231.8/38

All: 1504.659+/-0.155 χ^2/NDF: 453318.2/74



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -201.464+/-261.726 χ^2/NDF:30.6/20

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 99.731+/-262.548 χ^2/NDF:9.9/19

Left: -51.339+/-185.358 χ^2/NDF: 41.1/40

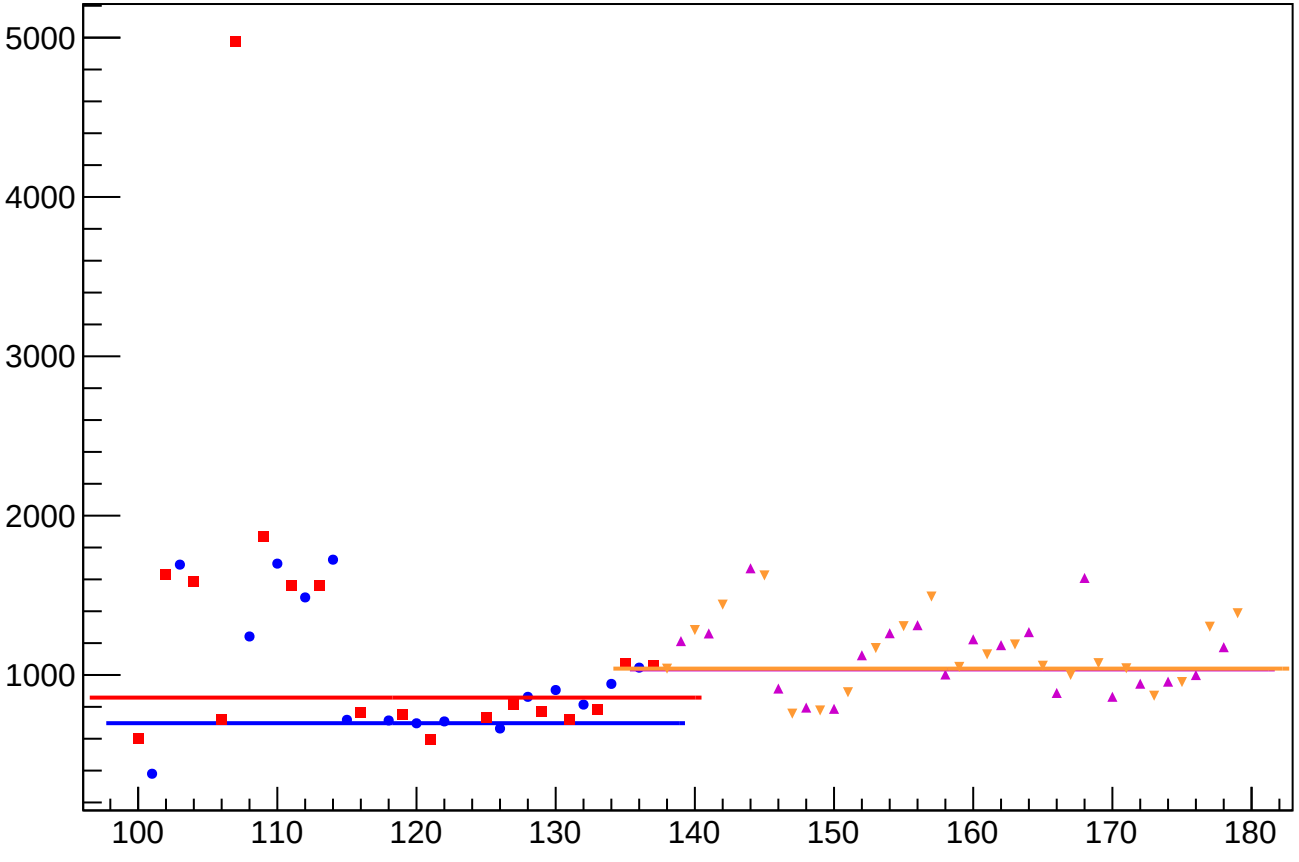
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -114.030+/-193.588 χ^2/NDF:30.2/35

Out: -121.856+/-207.750 χ^2/NDF:49.9/38

All: -117.667+/-141.629 χ^2/NDF: 80.1/74

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1039.996+/-0.185 χ^2/NDF:1312589.4/20

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1034.794+/-0.186 χ^2/NDF:1319614.6/19

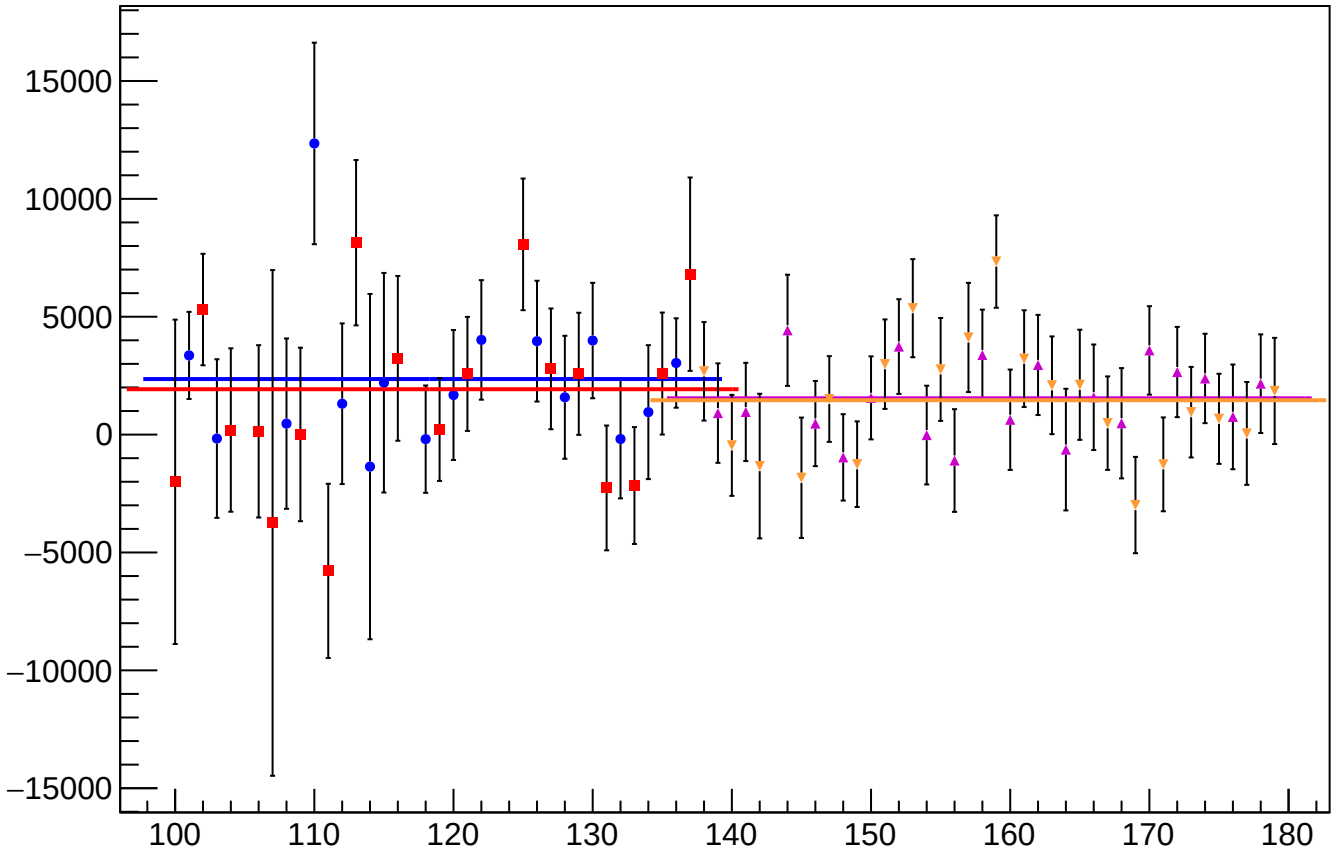
Left: 1037.403+/-0.131 χ^2/NDF: 2632597.8/40

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 880.885+/-0.137 χ^2/NDF:5261333.1/35

Out: 972.704+/-0.147 χ^2/NDF:3552148.9/38

All: 923.559+/-0.100 χ^2/NDF: 9022586.5/74



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1457.922+/-455.096 χ^2/NDF:29.2/20

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1540.395+/-458.380 χ^2/NDF:11.5/19

Left: 1498.862+/-322.956 χ^2/NDF: 40.7/40

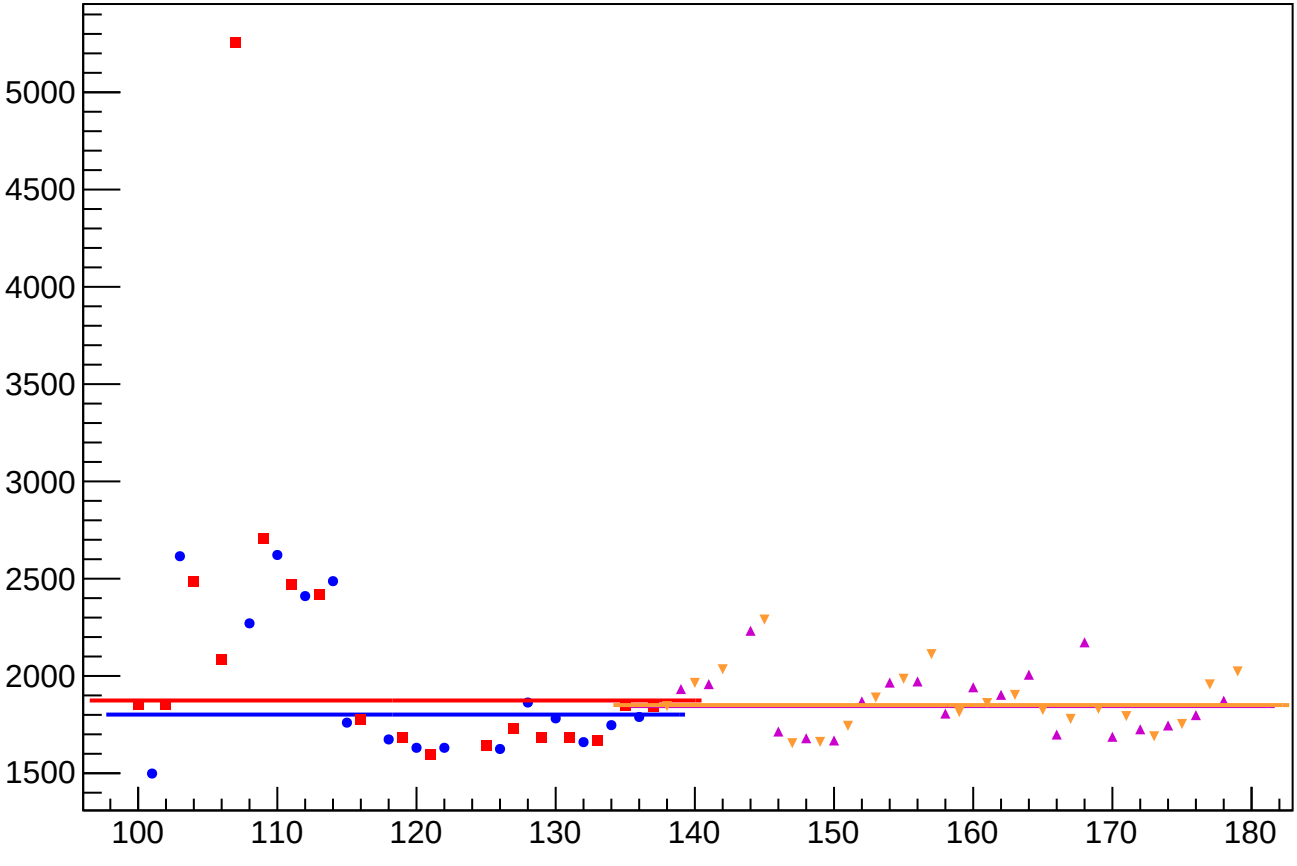
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1796.071+/-379.904 χ^2/NDF:23.5/35

Out: 1594.758+/-382.640 χ^2/NDF:52.9/38

All: 1696.137+/-269.595 χ^2/NDF: 76.5/74

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1850.384+/-0.322 χ^2/NDF:199558.9/20

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.230+/-0.324 χ^2/NDF:214419.3/19

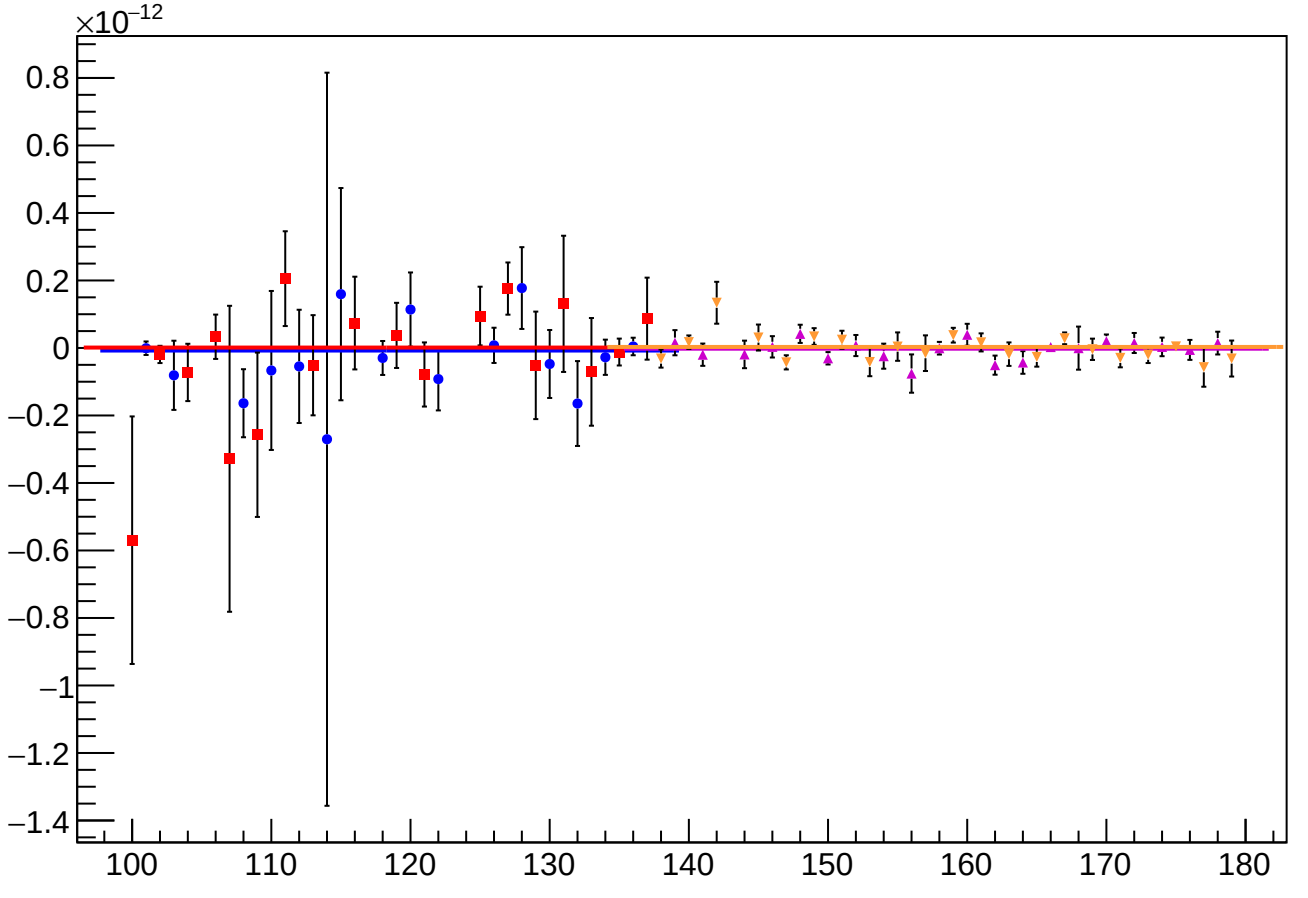
Left: 1847.826+/-0.228 χ^2/NDF: 414105.6/40

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1831.547+/-0.269 χ^2/NDF:620813.4/35

Out: 1857.299+/-0.271 χ^2/NDF:771043.1/38

All: 1844.330+/-0.191 χ^2/NDF: 1396418.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.9/19

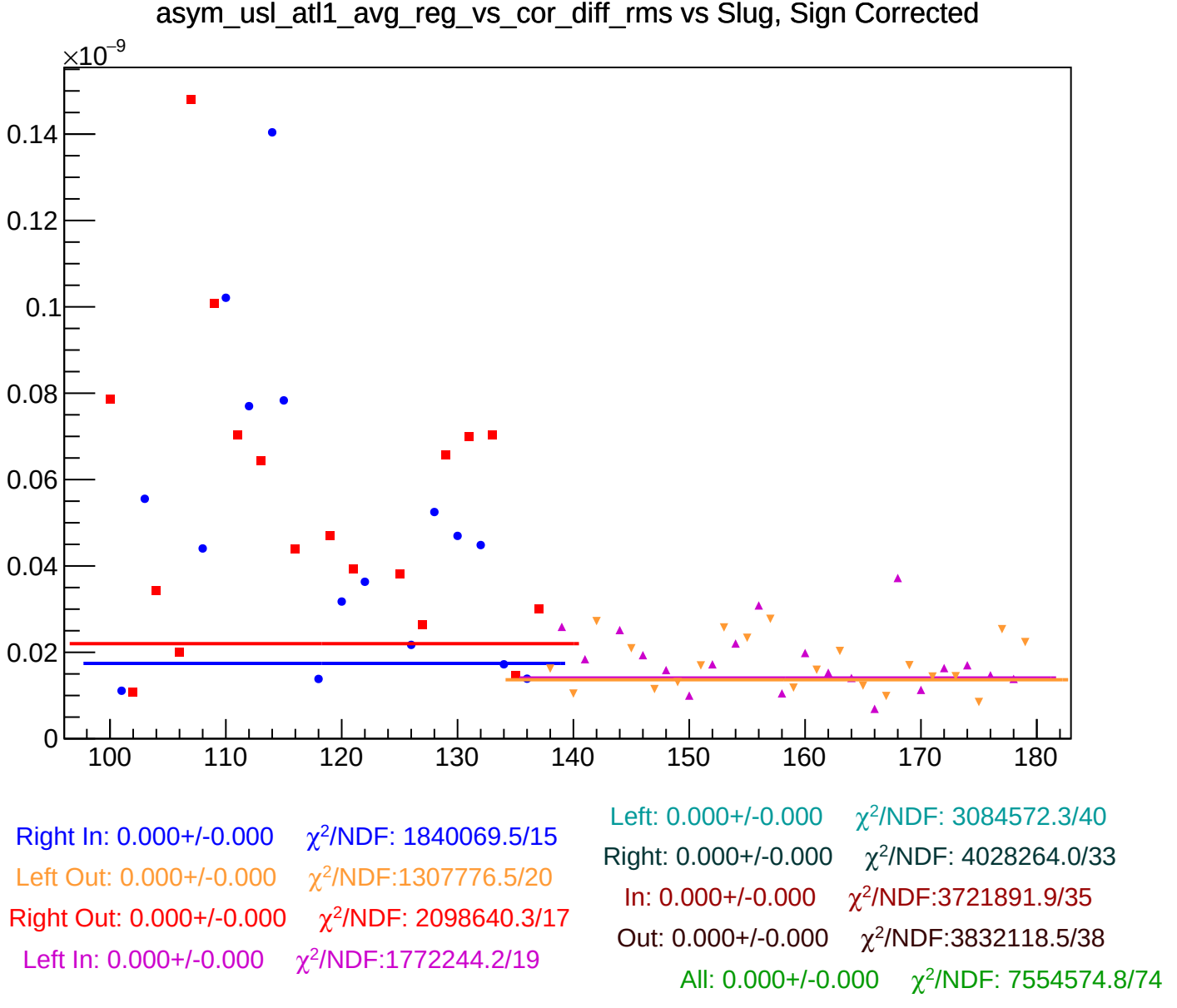
Left: 0.000+/-0.000 χ^2/NDF: 41.7/40

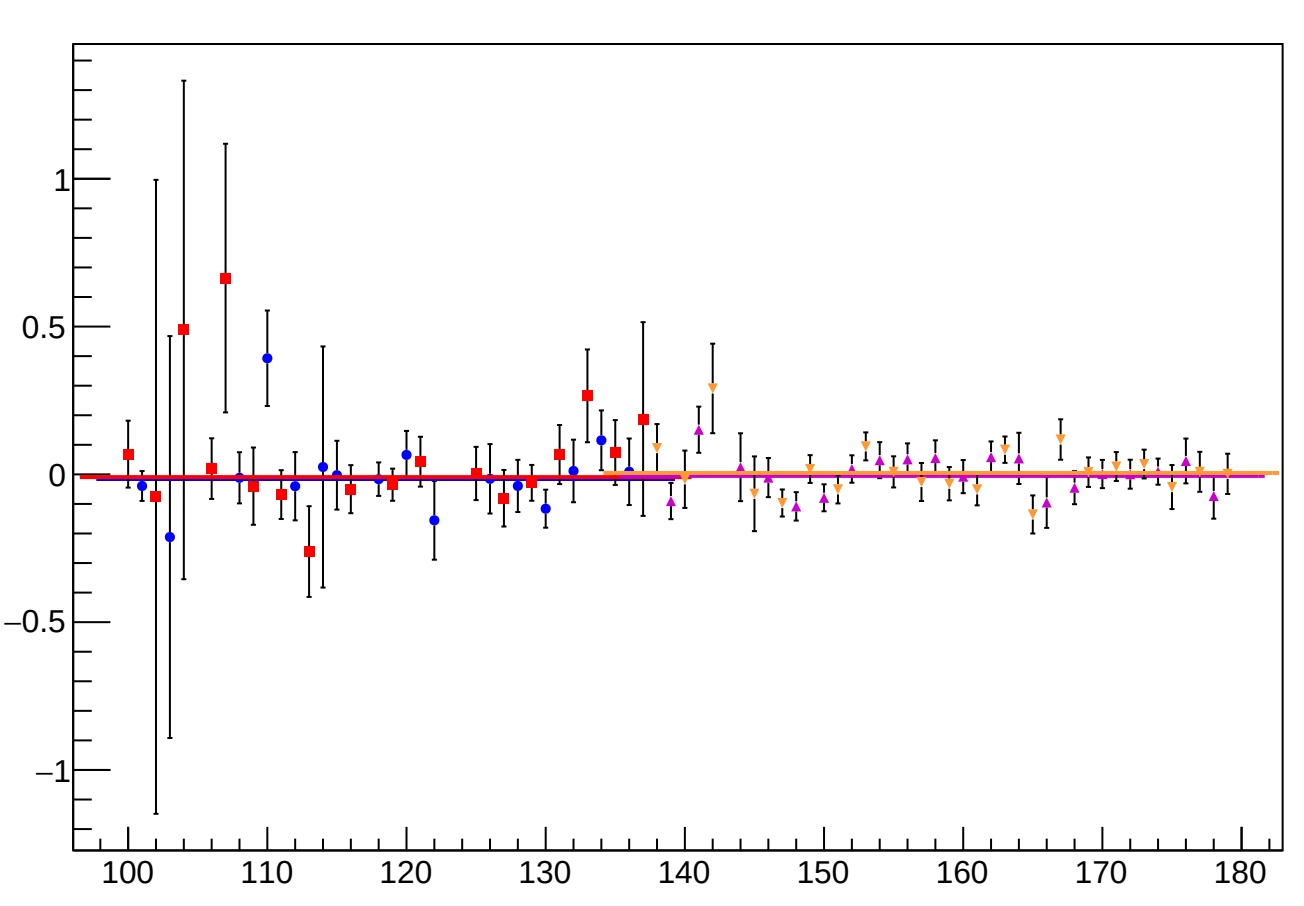
Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:26.3/35

Out: 0.000+/-0.000 χ^2/NDF:42.1/38

All: -0.000+/-0.000 χ^2/NDF: 69.0/74


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1307776.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1772244.2/19
Left: 0.000+/-0.000 χ²/NDF: 3084572.3/40
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:3721891.9/35
Out: 0.000+/-0.000 χ²/NDF:3832118.5/38
All: 0.000+/-0.000 χ²/NDF: 7554574.8/74



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:21.2/19

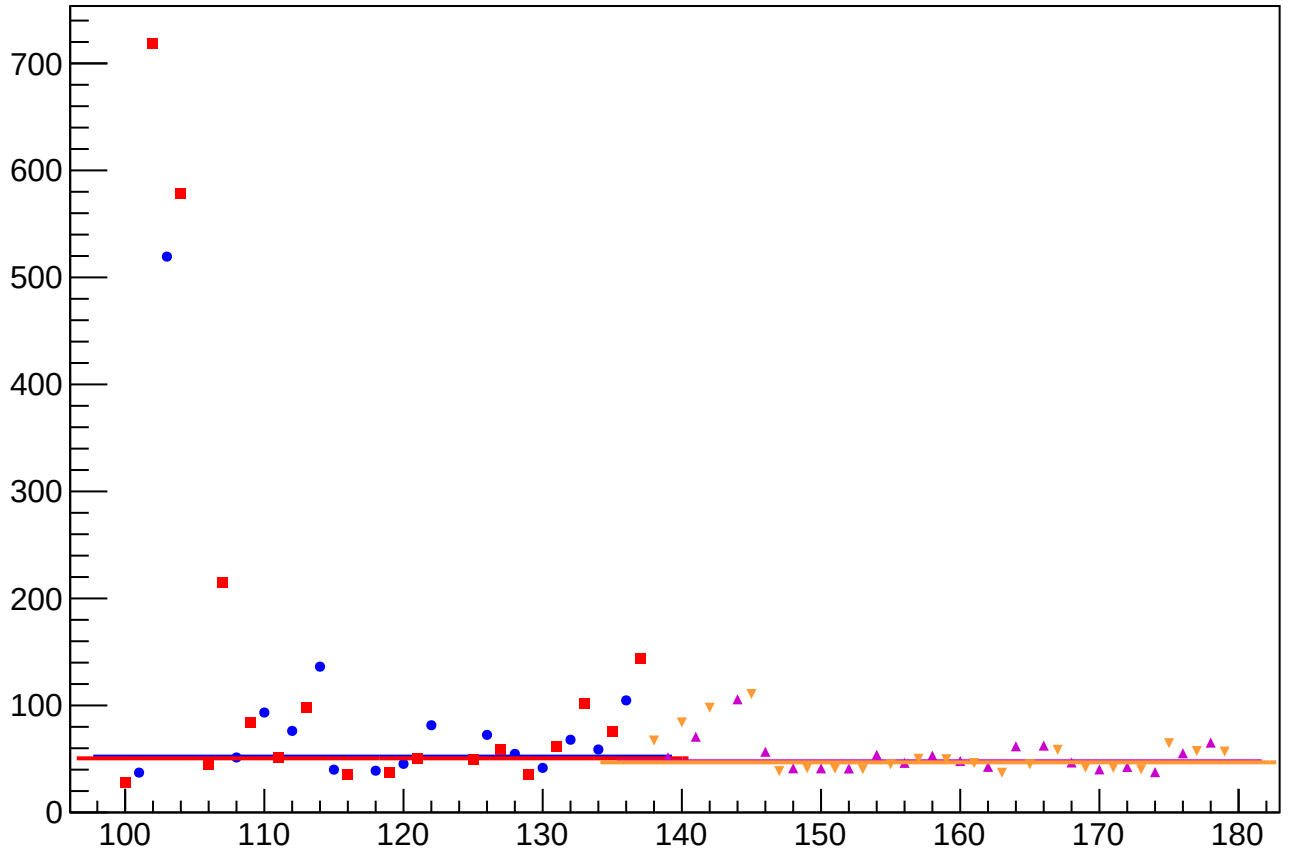
Left: -0.000+/-0.009 χ^2/NDF: 49.8/40

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 75.9/74



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771088.0/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.830+/-0.009 χ^2/NDF:1316037.2/19

Left: 47.323+/-0.006 χ^2/NDF: 3093124.2/40

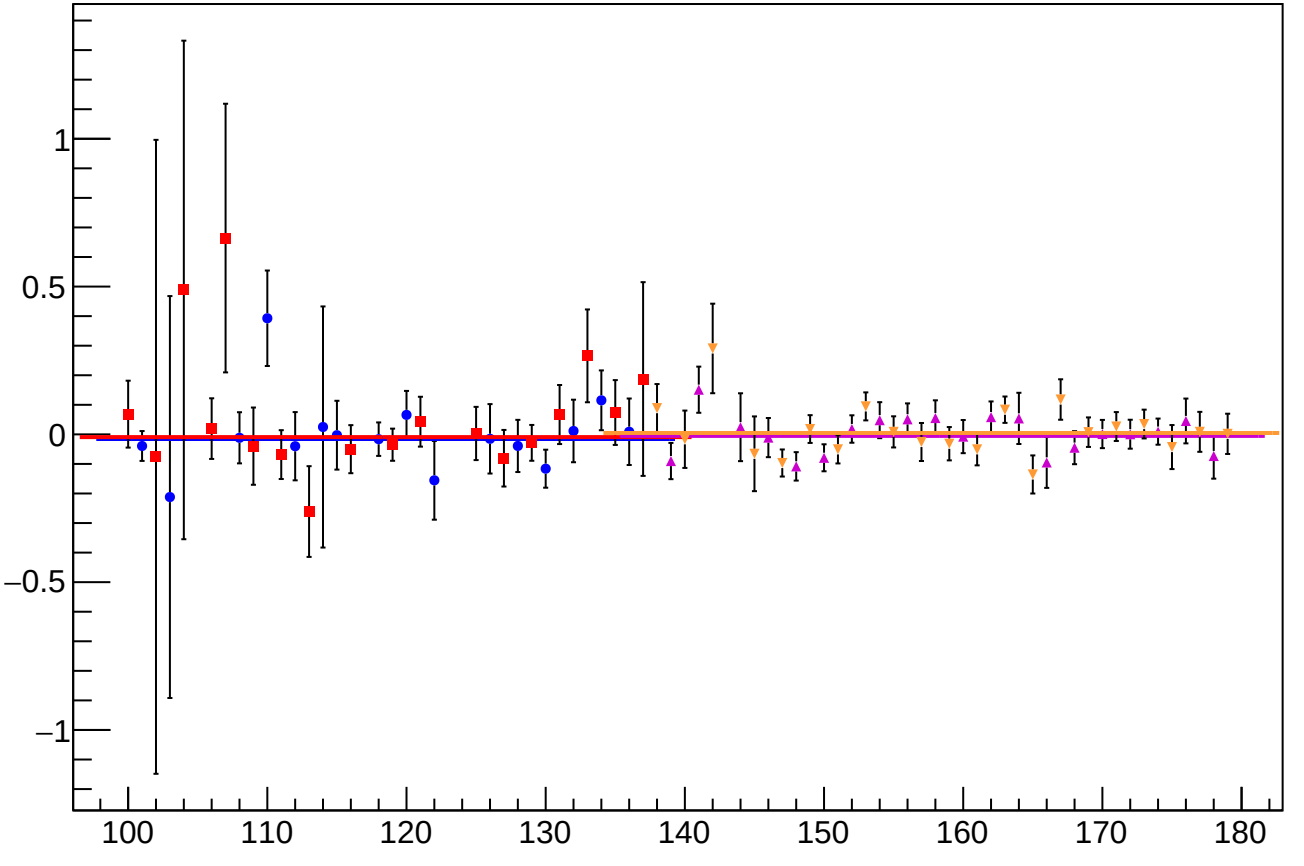
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.902+/-0.008 χ^2/NDF:3638906.1/35

Out: 47.674+/-0.008 χ^2/NDF:4861559.4/38

All: 48.284+/-0.006 χ^2/NDF: 8512504.9/74

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:21.2/19

Left: -0.000+/-0.009 χ^2/NDF: 49.8/40

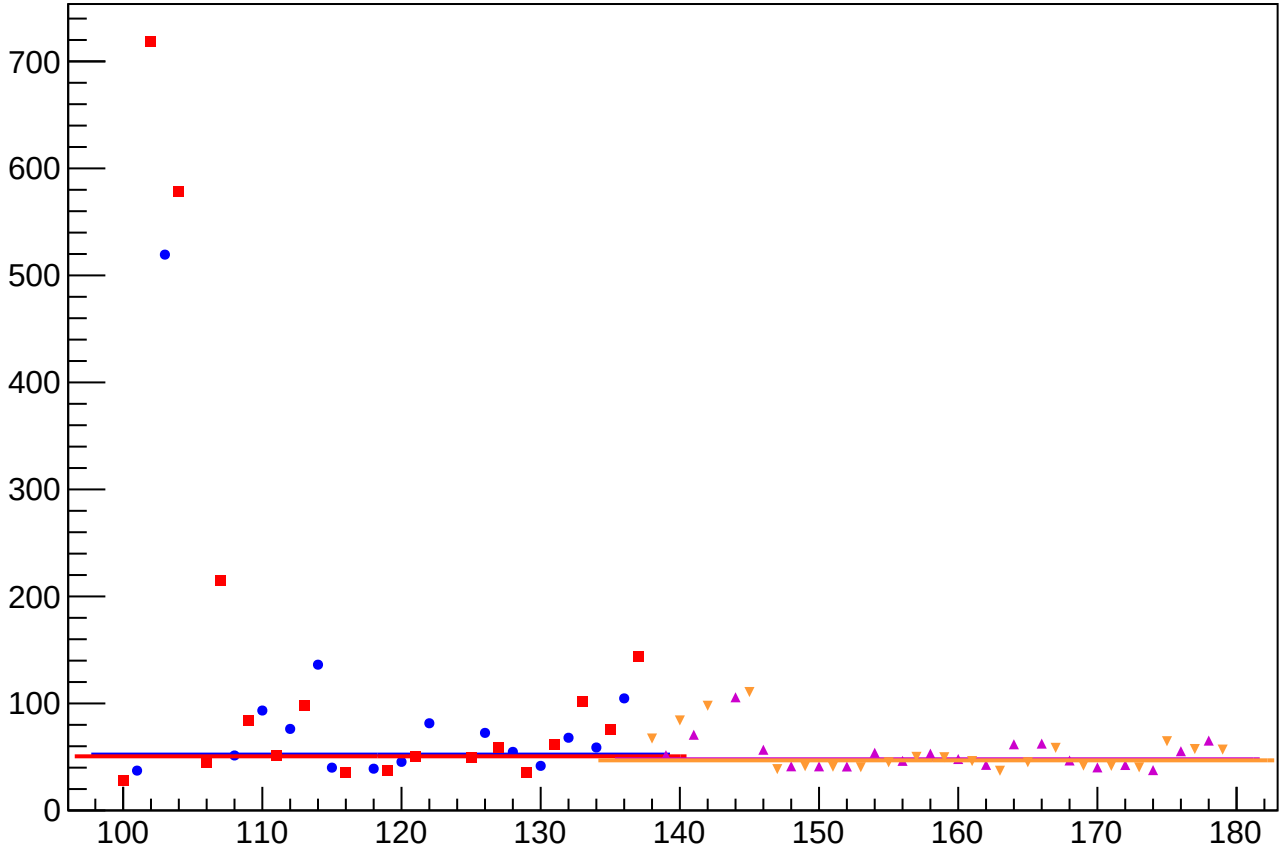
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 75.9/74

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771088.0/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.830+/-0.009 χ^2/NDF:1316037.2/19

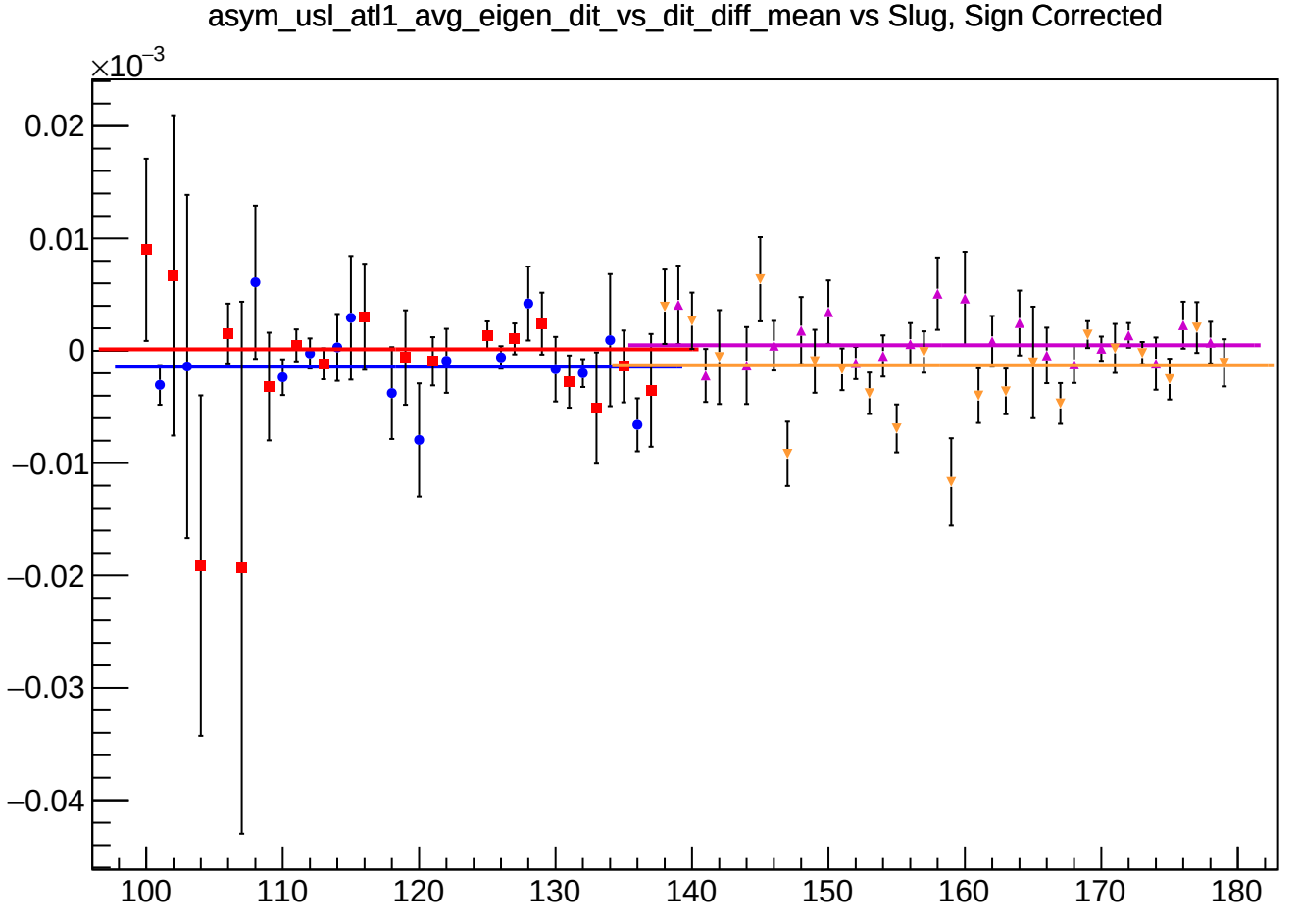
Left: 47.323+/-0.006 χ^2/NDF: 3093124.2/40

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.902+/-0.008 χ^2/NDF:3638906.1/35

Out: 47.674+/-0.008 χ^2/NDF:4861559.4/38

All: 48.284+/-0.006 χ^2/NDF: 8512504.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:12.1/19

Left: -0.000+/-0.000 χ^2/NDF: 69.2/40

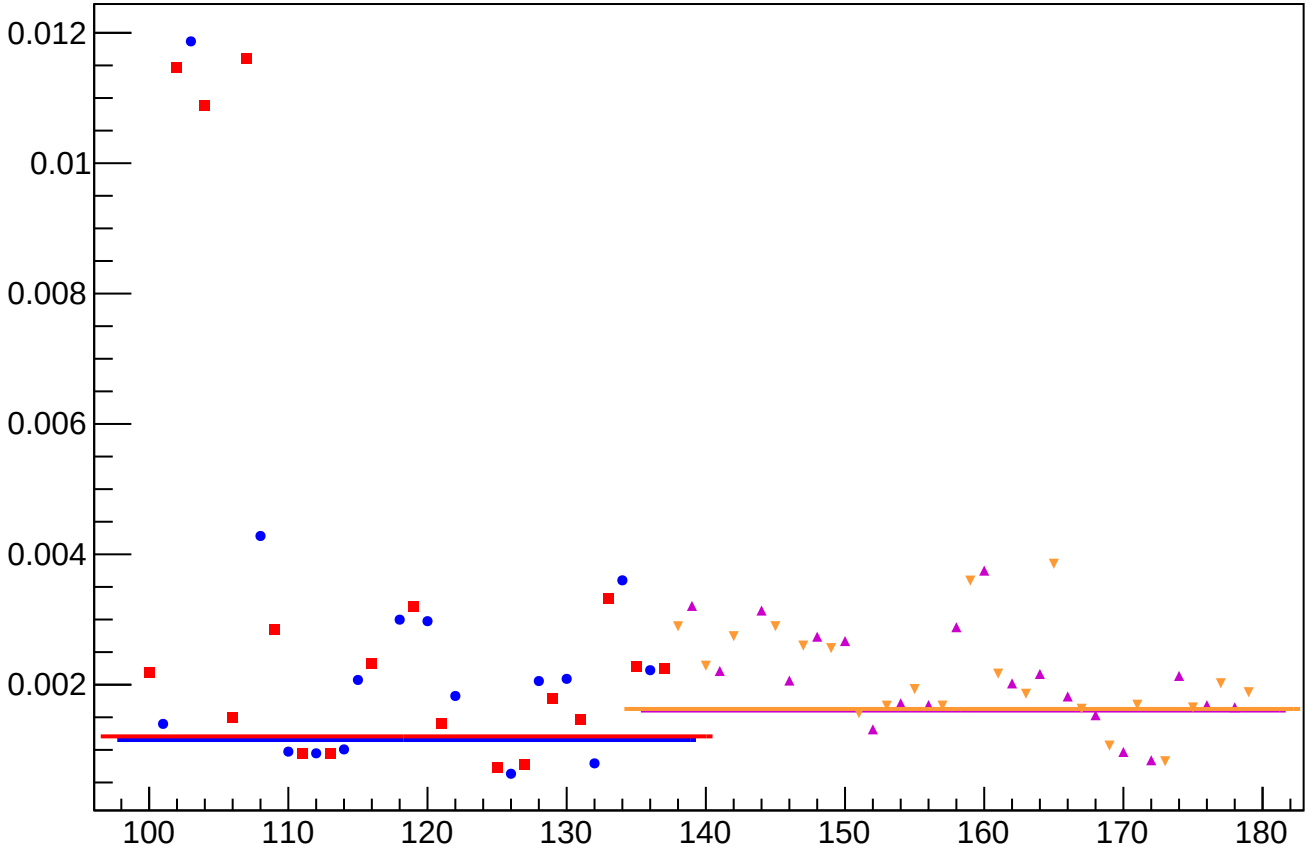
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:35.0/35

Out: -0.000+/-0.000 χ^2/NDF:64.4/38

All: -0.000+/-0.000 χ^2/NDF: 100.3/74

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4201981.6/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4495852.5/19

Left: 0.002+/-0.000 χ^2/NDF: 8700933.1/40

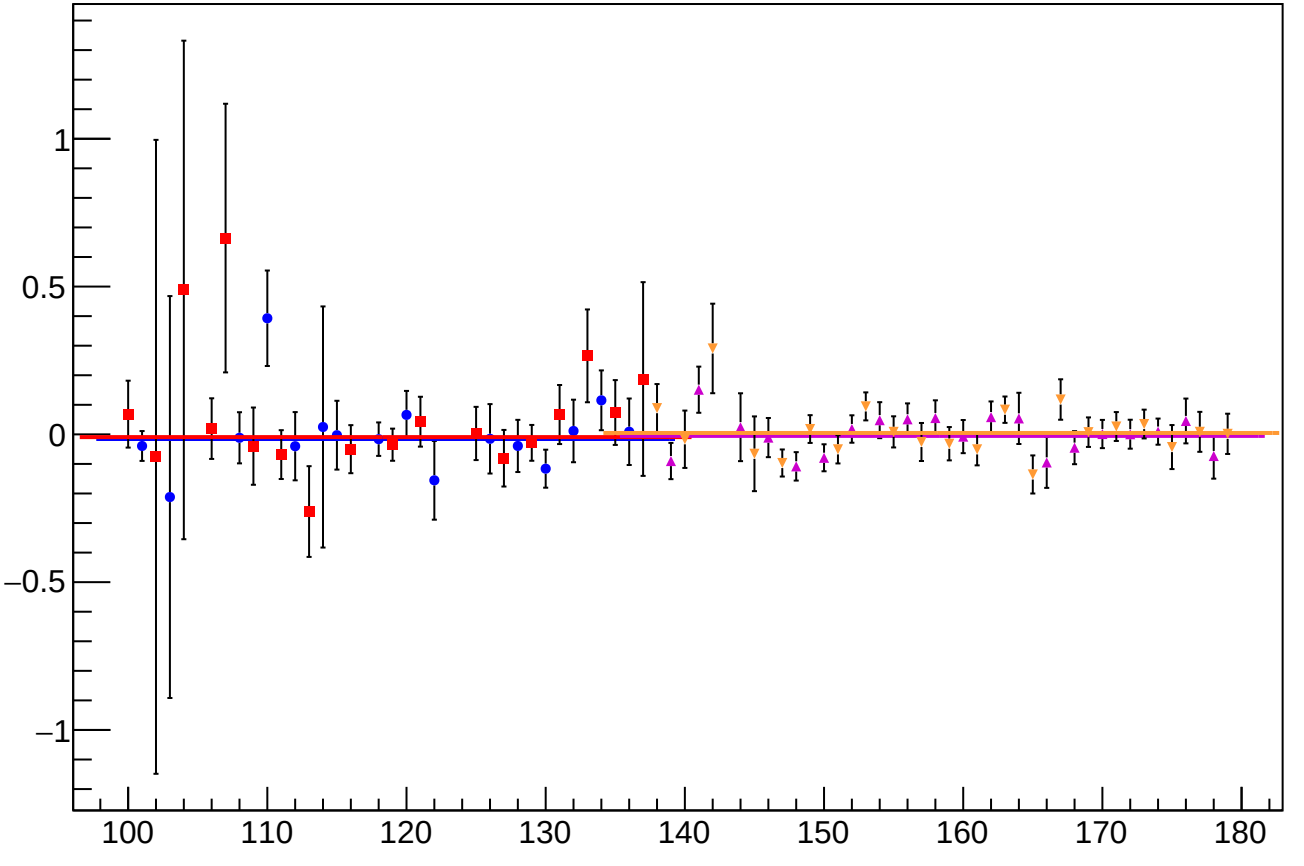
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9578035.1/35

Out: 0.001+/-0.000 χ^2/NDF:9428890.7/38

All: 0.001+/-0.000 χ^2/NDF: 19029895.2/74

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:21.2/19

Left: -0.000+/-0.009 χ^2/NDF: 49.8/40

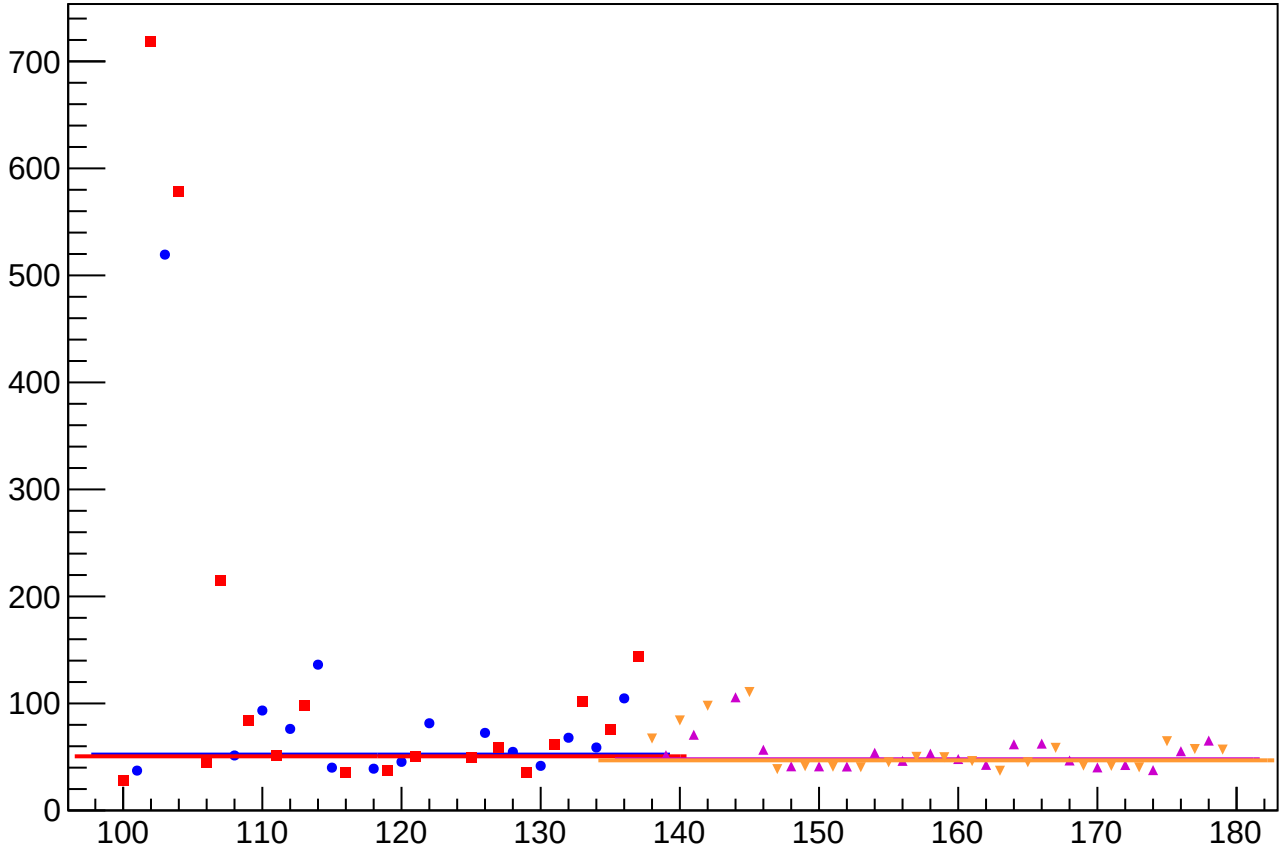
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 75.9/74

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771063.4/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.830+/-0.009 χ^2/NDF:1316040.3/19

Left: 47.323+/-0.006 χ^2/NDF: 3093101.3/40

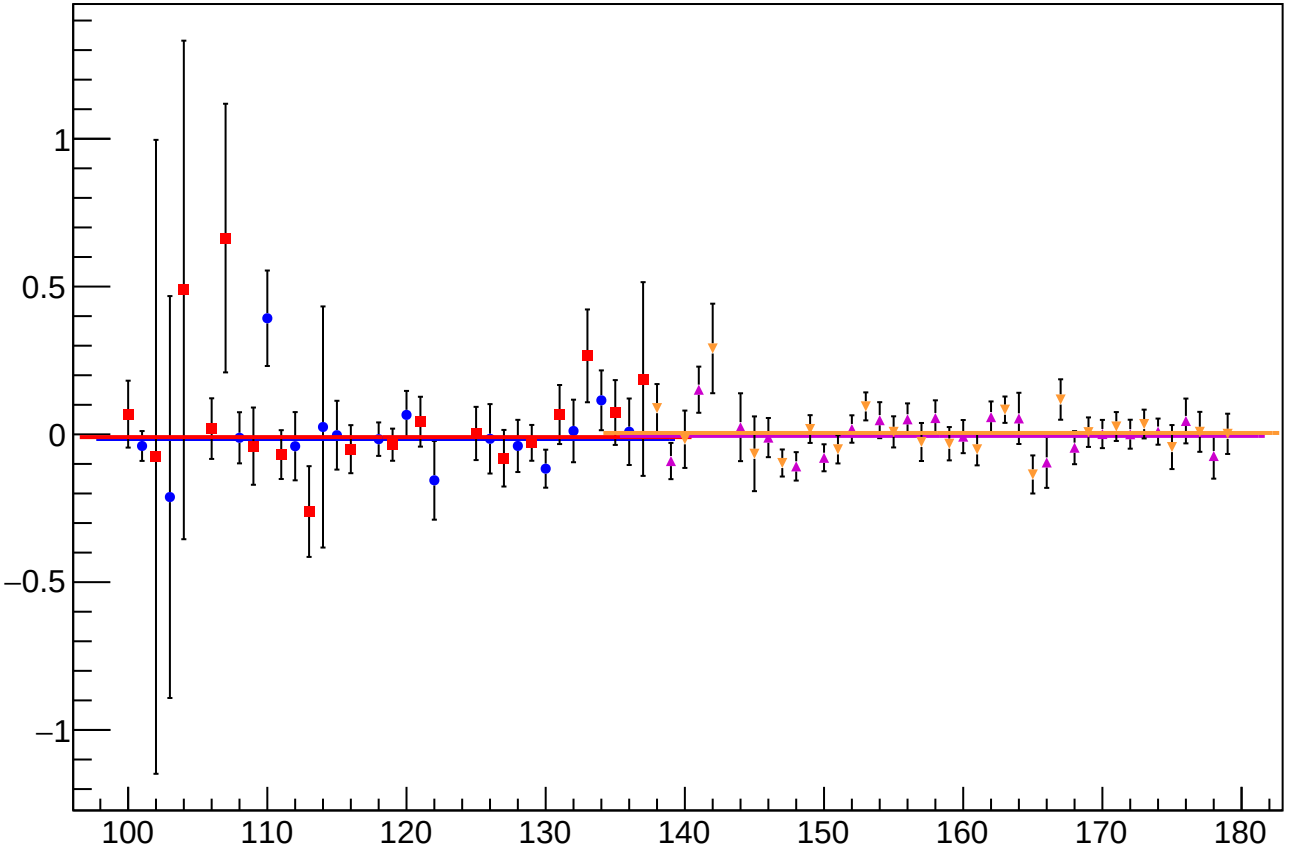
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.902+/-0.008 χ^2/NDF:3638897.7/35

Out: 47.675+/-0.008 χ^2/NDF:4861510.4/38

All: 48.284+/-0.006 χ^2/NDF: 8512446.3/74

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/20

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:21.2/19

Left: -0.000+/-0.009 χ^2/NDF: 49.8/40

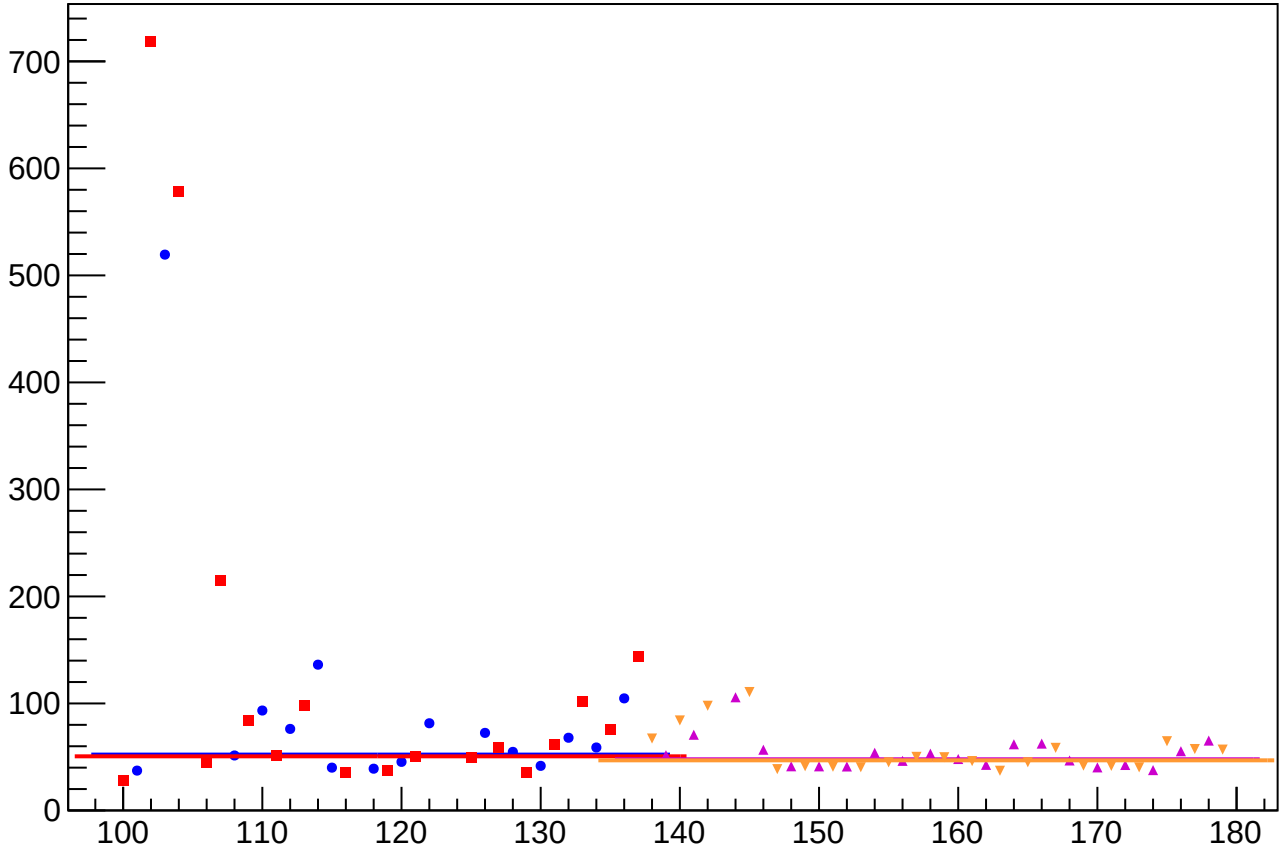
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/38

All: -0.003+/-0.008 χ^2/NDF: 75.9/74

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.839+/-0.009 χ^2/NDF:1771063.4/20

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.830+/-0.009 χ^2/NDF:1316040.3/19

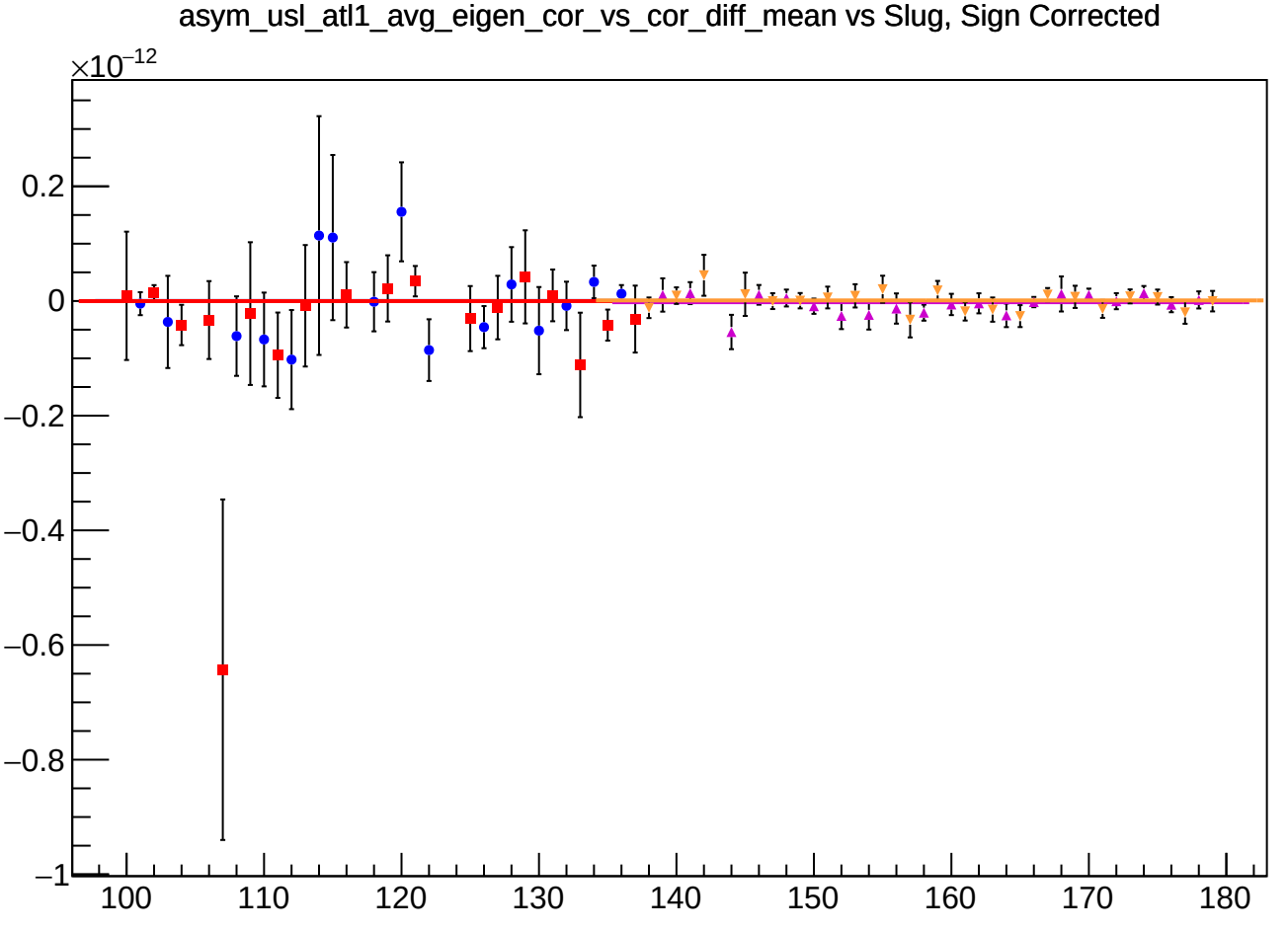
Left: 47.323+/-0.006 χ^2/NDF: 3093101.3/40

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.902+/-0.008 χ^2/NDF:3638897.7/35

Out: 47.675+/-0.008 χ^2/NDF:4861510.4/38

All: 48.284+/-0.006 χ^2/NDF: 8512446.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/19

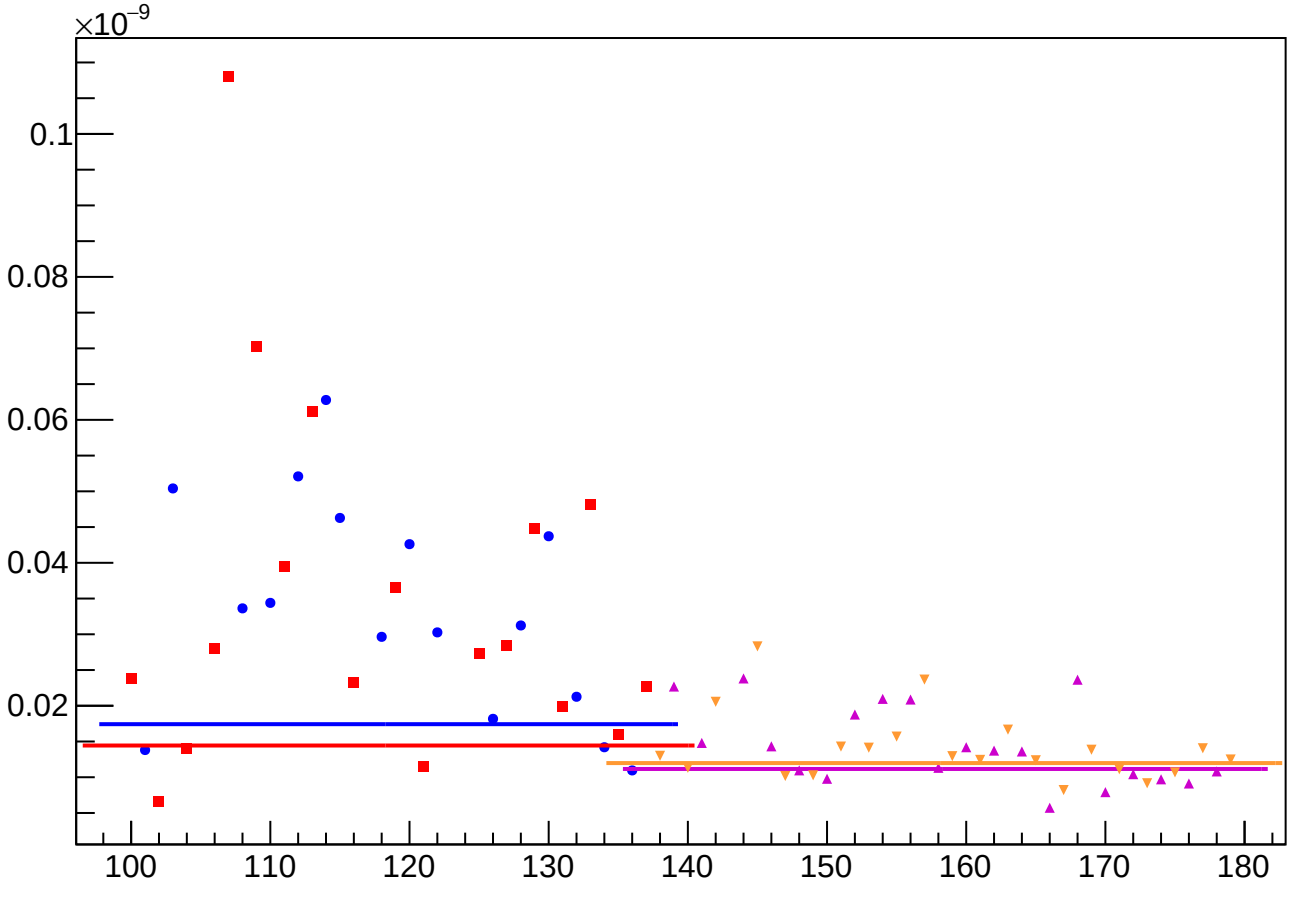
Left: -0.000+/-0.000 χ^2/NDF: 26.7/40

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:27.3/35

Out: 0.000+/-0.000 χ^2/NDF:29.1/38

All: -0.000+/-0.000 χ^2/NDF: 56.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1451114.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3060684.1/19

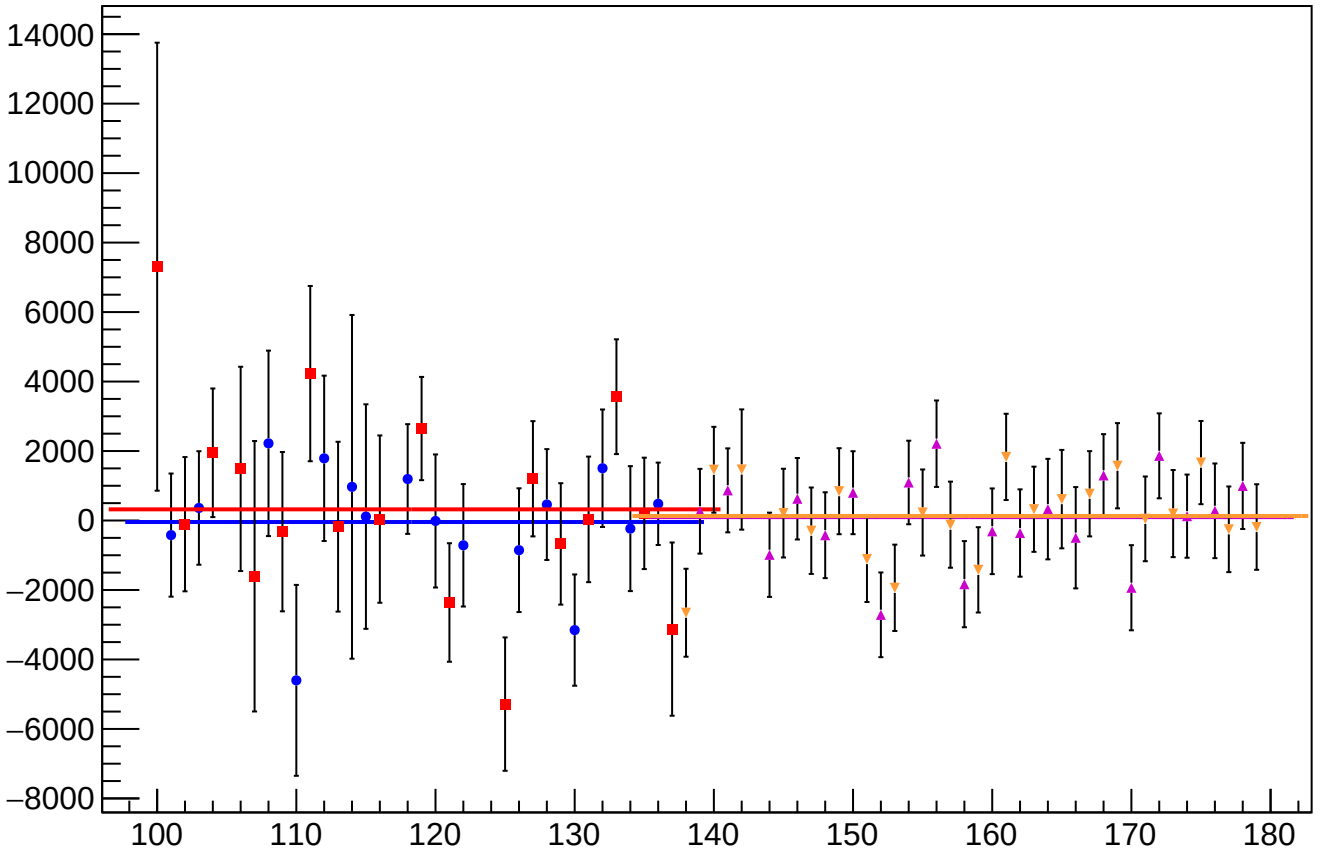
Left: 0.000+/-0.000 χ^2/NDF: 4564054.8/40

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:6065746.3/35

Out: 0.000+/-0.000 χ^2/NDF:4840879.5/38

All: 0.000+/-0.000 χ^2/NDF: 10921535.8/74



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.346+/-274.619 χ^2/NDF:18.0/20

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 97.670+/-277.888 χ^2/NDF:20.1/19

Left: 114.201+/-195.330 χ^2/NDF: 38.1/40

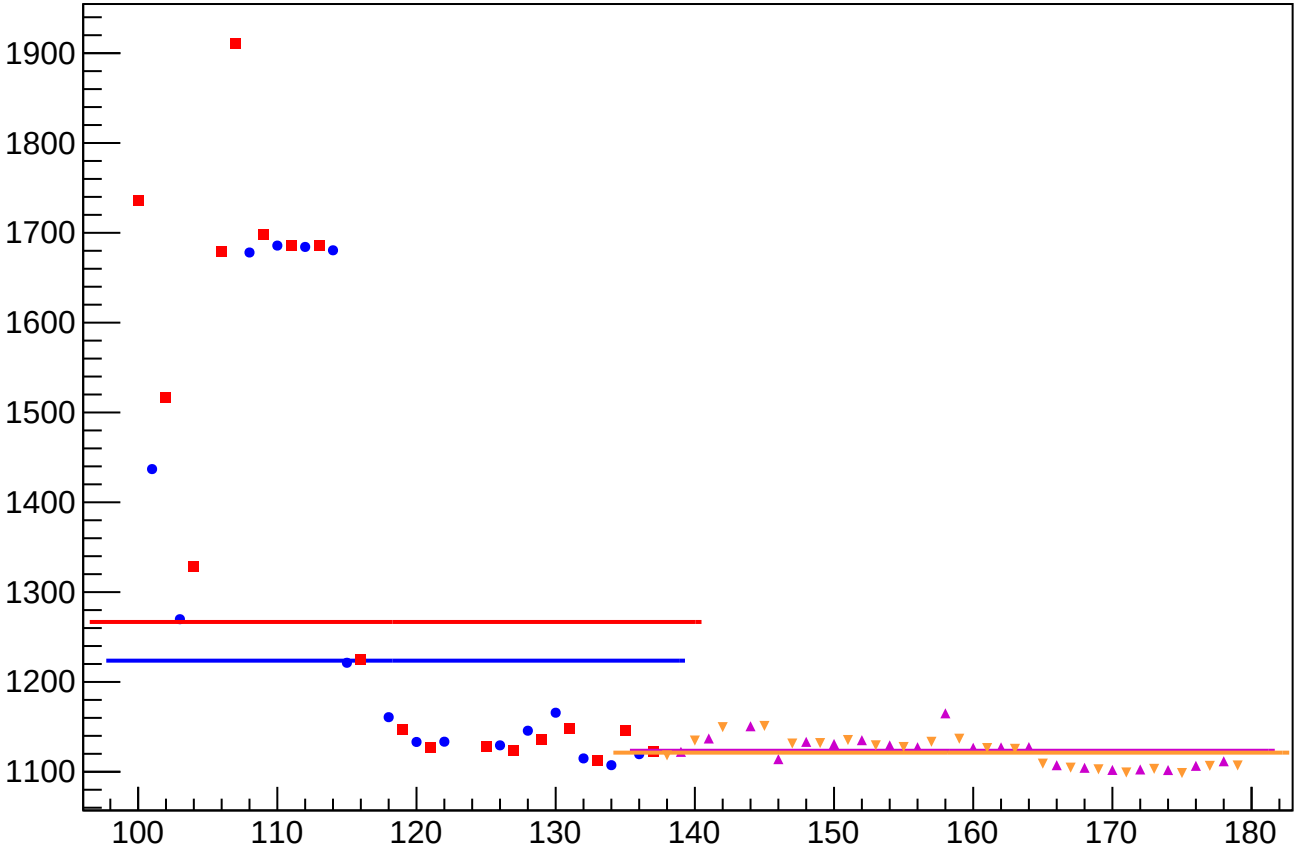
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 59.783+/-237.747 χ^2/NDF:30.3/35

Out: 178.184+/-237.738 χ^2/NDF:42.9/38

All: 118.986+/-168.109 χ^2/NDF: 73.3/74

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

Left: 1122.331+/-0.138 χ^2/NDF: 13724.3/40

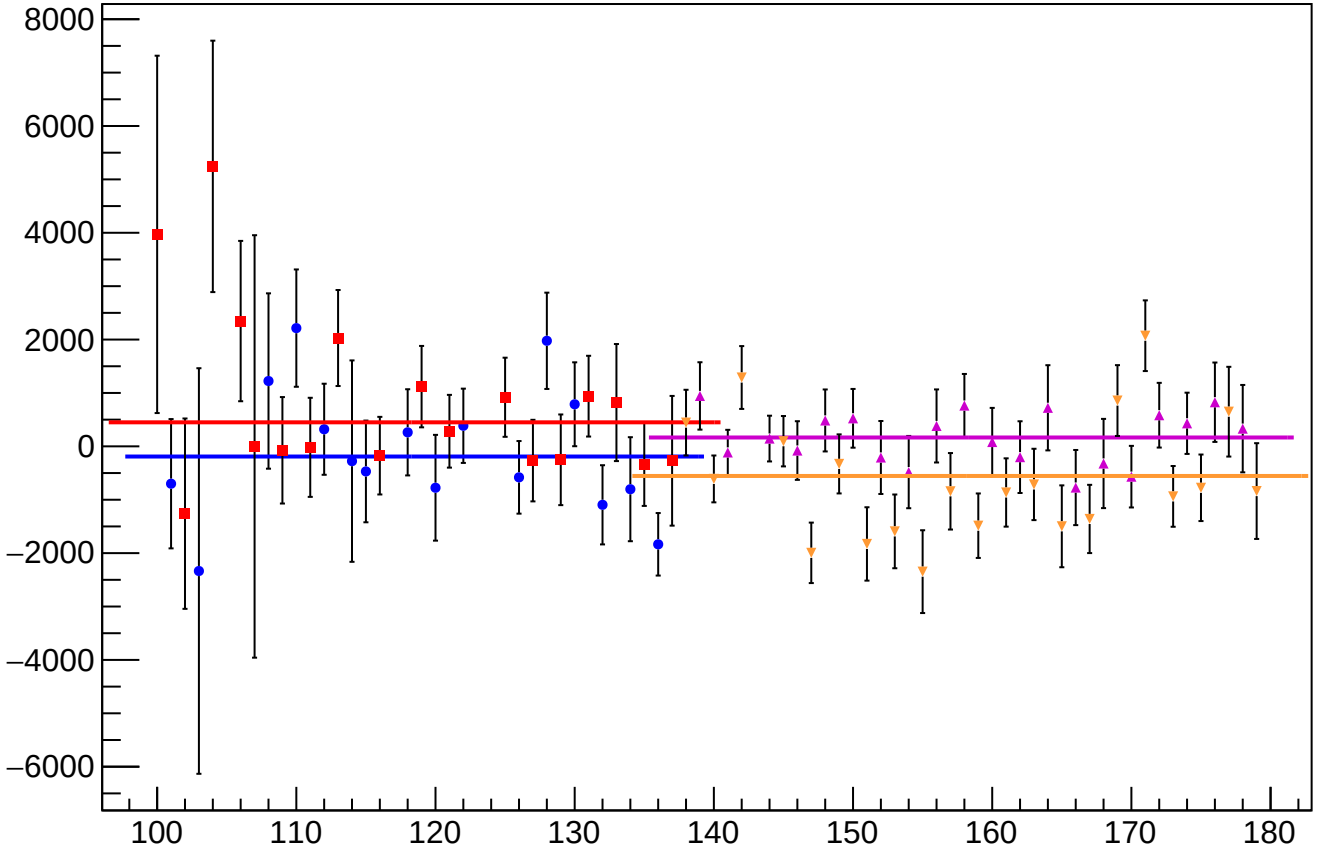
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1150.276+/-0.168 χ^2/NDF:372058.9/35

Out: 1157.752+/-0.168 χ^2/NDF:579915.8/38

All: 1154.014+/-0.119 χ^2/NDF: 952963.3/74

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -554.704+/-136.216 χ^2/NDF:61.0/20

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 165.857+/-135.831 χ^2/NDF:11.3/19

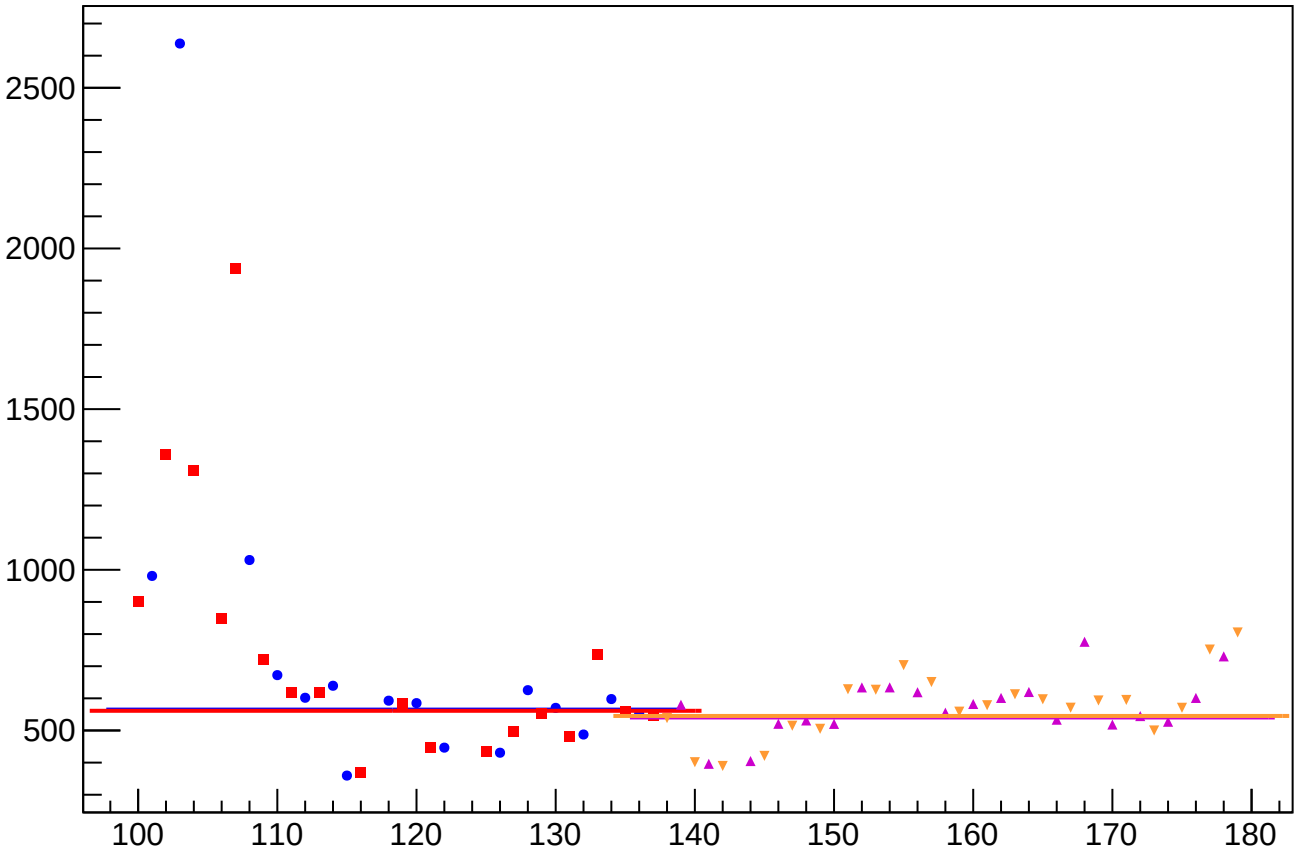
Left: -193.404+/-96.183 χ^2/NDF: 86.3/40

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 69.303+/-115.987 χ^2/NDF:38.4/35

Out: -282.099+/-116.274 χ^2/NDF:92.6/38

All: -105.964+/-82.116 χ^2/NDF: 135.5/74



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 545.191+/-0.096 χ^2/NDF:1059907.0/20

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 540.454+/-0.096 χ^2/NDF:878603.3/19

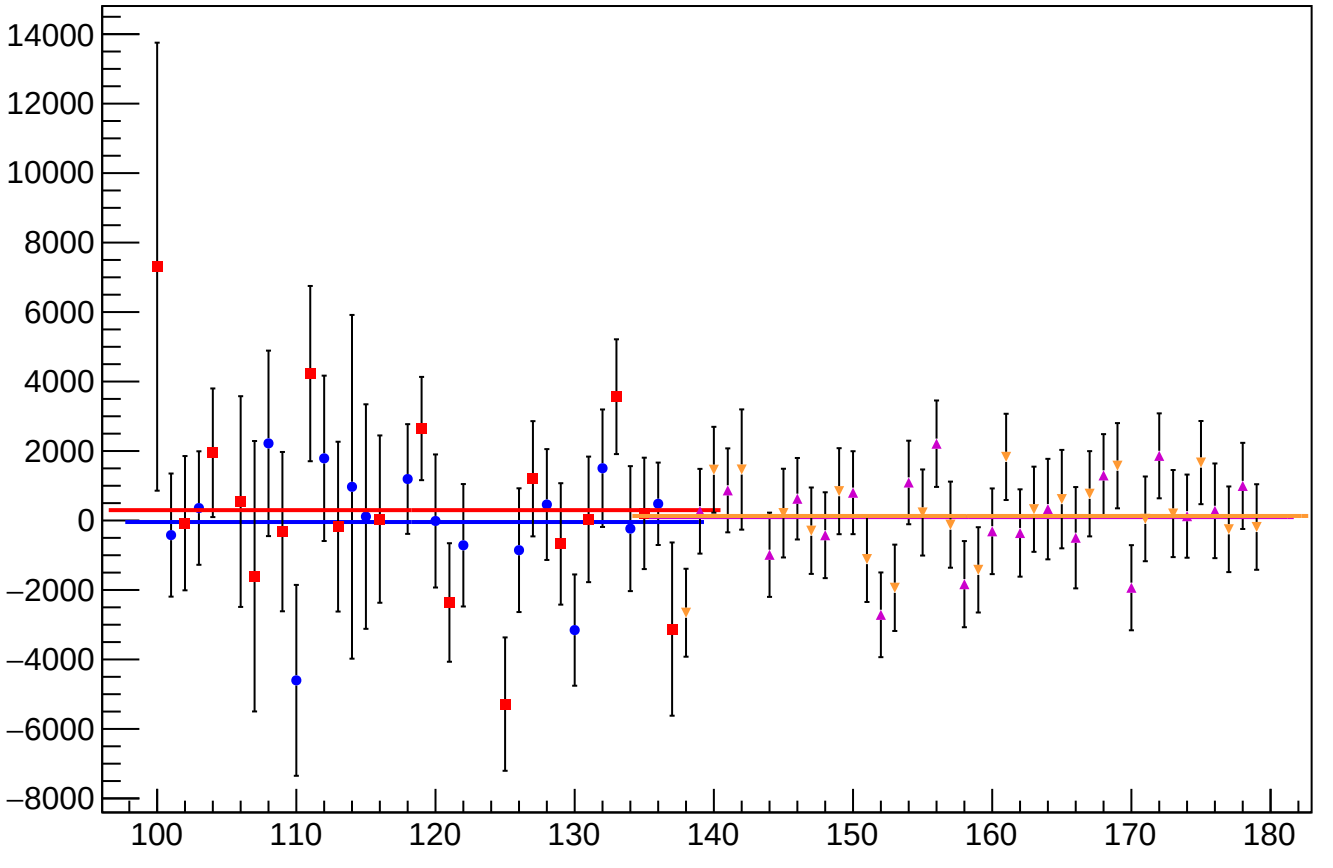
Left: 542.816+/-0.068 χ^2/NDF: 1939723.0/40

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 547.091+/-0.082 χ^2/NDF:2180712.2/35

Out: 549.547+/-0.082 χ^2/NDF:2419683.9/38

All: 548.316+/-0.058 χ^2/NDF: 4600843.4/74



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 97.662+/-277.888 χ^2/NDF:20.1/19

Left: 114.224+/-195.330 χ^2/NDF: 38.1/40

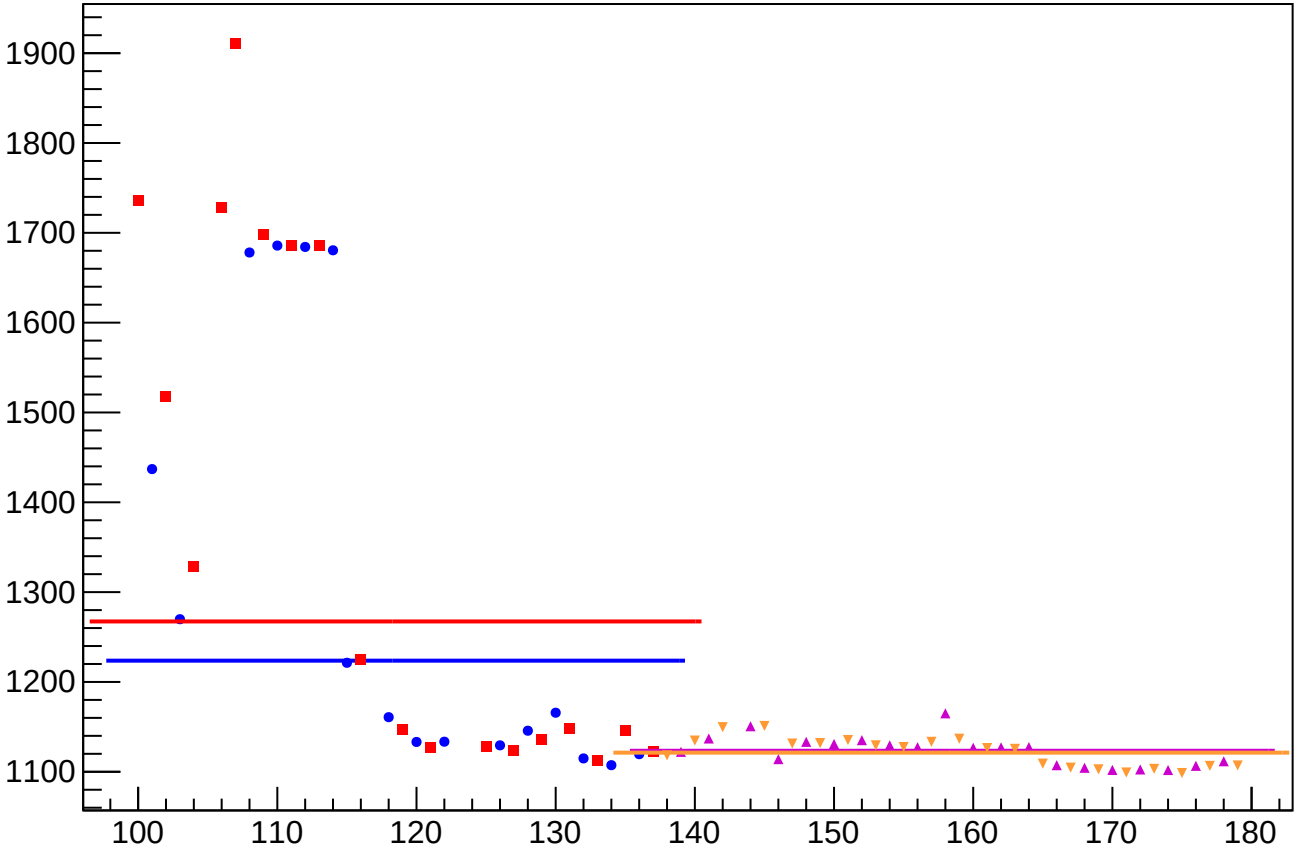
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 59.713+/-237.747 χ^2/NDF:30.3/35

Out: 172.397+/-237.785 χ^2/NDF:42.7/38

All: 116.046+/-168.126 χ^2/NDF: 73.1/74

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

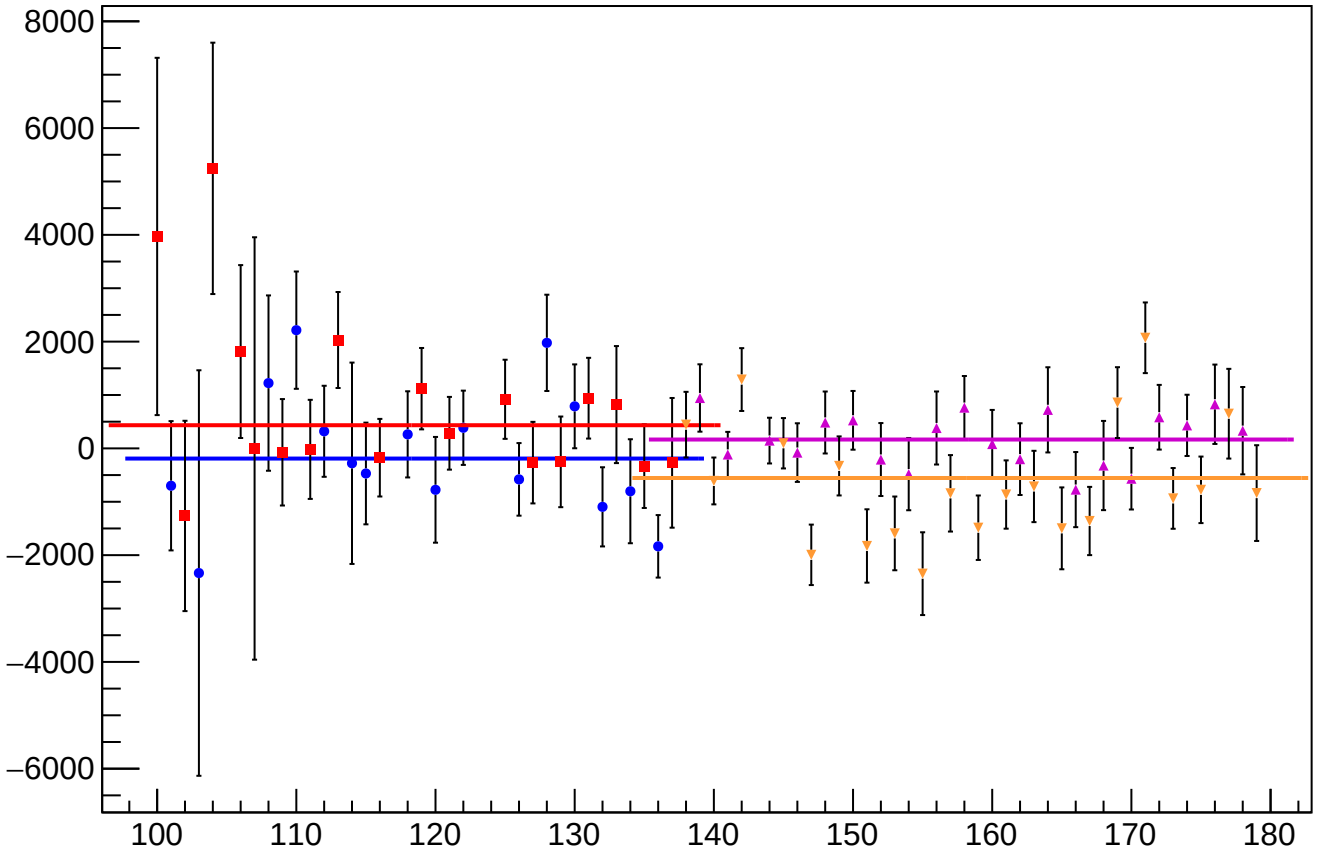
Left: 1122.331+/-0.138 χ^2/NDF: 13724.3/40

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1150.276+/-0.168 χ^2/NDF:372059.0/35

Out: 1157.854+/-0.168 χ^2/NDF:588015.1/38

All: 1154.065+/-0.119 χ^2/NDF: 961090.0/74



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -554.718+/-136.215 χ^2/NDF:61.0/20

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 165.841+/-135.830 χ^2/NDF:11.3/19

Left: -193.419+/-96.182 χ^2/NDF: 86.3/40

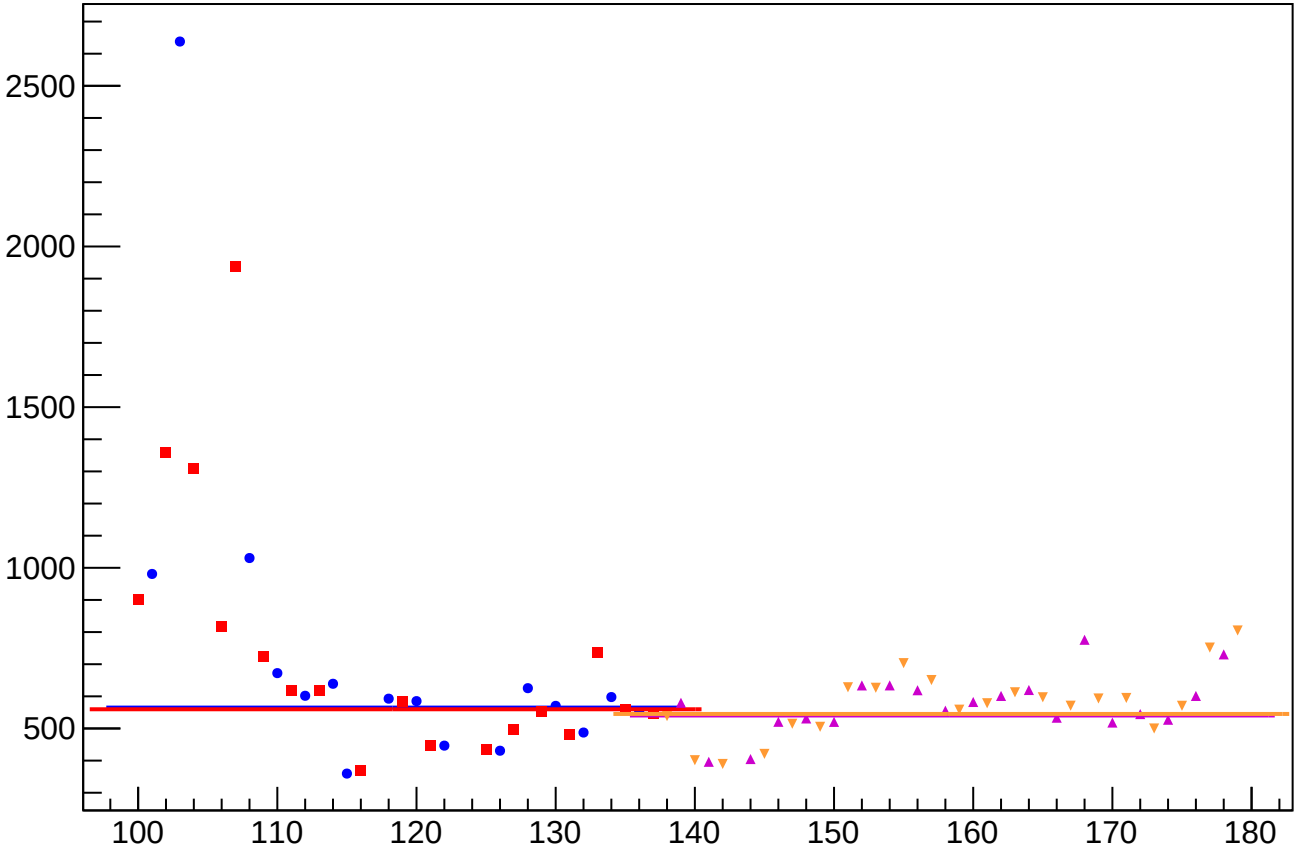
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 69.289+/-115.986 χ^2/NDF:38.4/35

Out: -287.046+/-116.322 χ^2/NDF:91.2/38

All: -108.364+/-82.133 χ^2/NDF: 134.3/74

asym_usl_atl1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 540.453+/-0.096 χ^2/NDF:878544.3/19

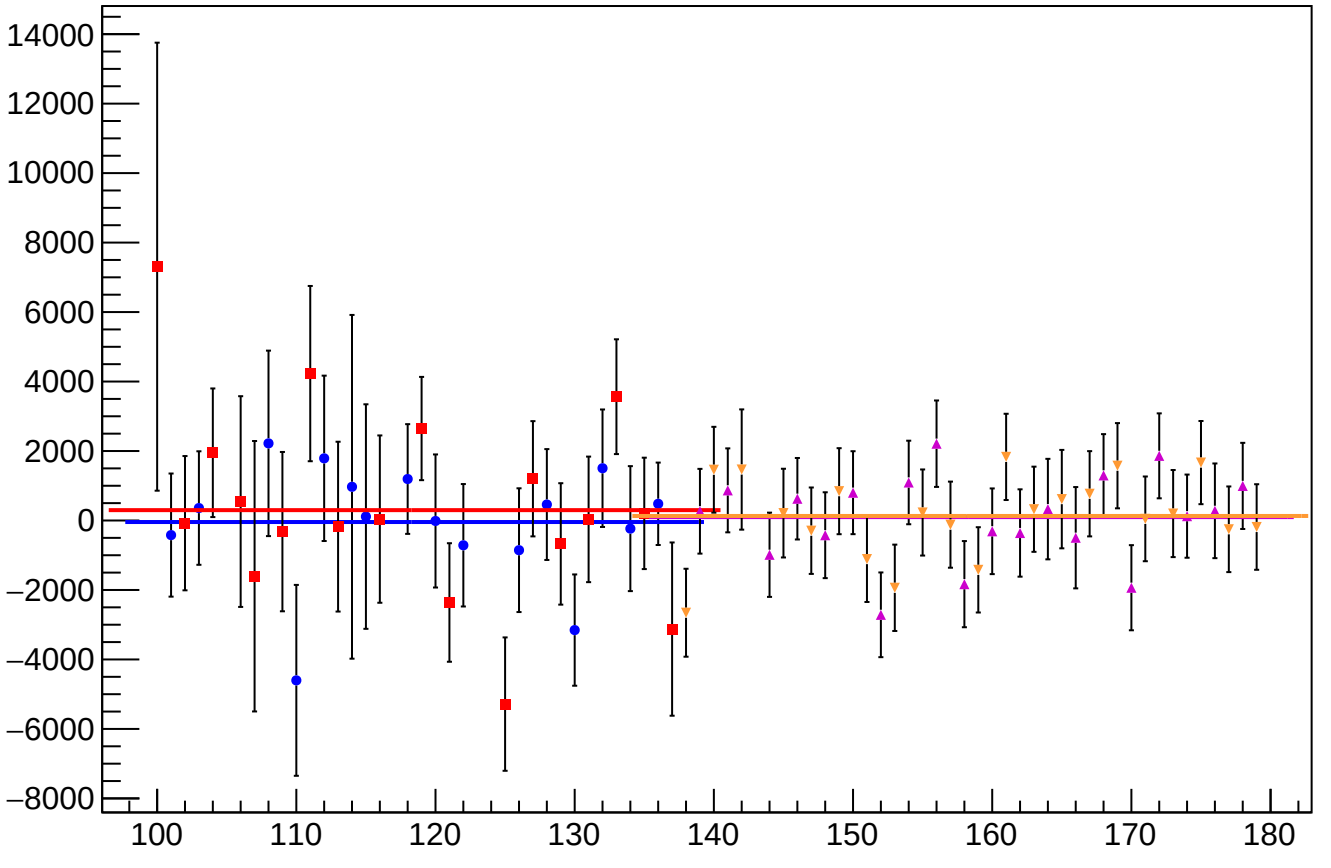
Left: 542.814+/-0.068 χ^2/NDF: 1939665.7/40

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 547.089+/-0.082 χ^2/NDF:2180625.5/35

Out: 549.134+/-0.082 χ^2/NDF:2395460.5/38

All: 548.108+/-0.058 χ^2/NDF: 4576396.0/74



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 130.400+/-274.619 χ^2/NDF:18.0/20

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 97.662+/-277.888 χ^2/NDF:20.1/19

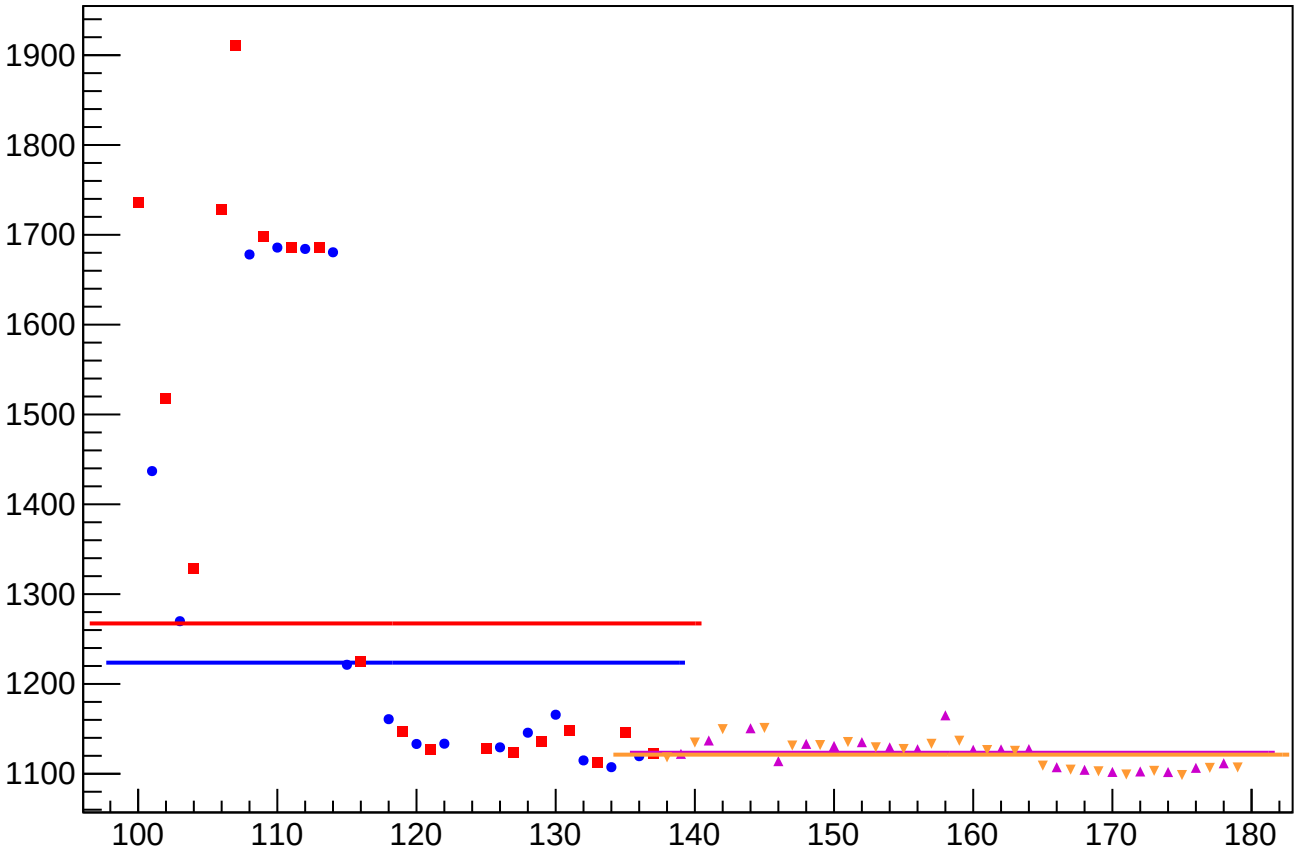
Left: 114.224+/-195.330 χ^2/NDF: 38.1/40

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 59.713+/-237.747 χ^2/NDF:30.3/35

Out: 172.397+/-237.785 χ^2/NDF:42.7/38

All: 116.046+/-168.126 χ^2/NDF: 73.1/74



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1121.299+/-0.194 χ^2/NDF:6434.4/20

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

Left: 1122.331+/-0.138 χ^2/NDF: 13724.3/40

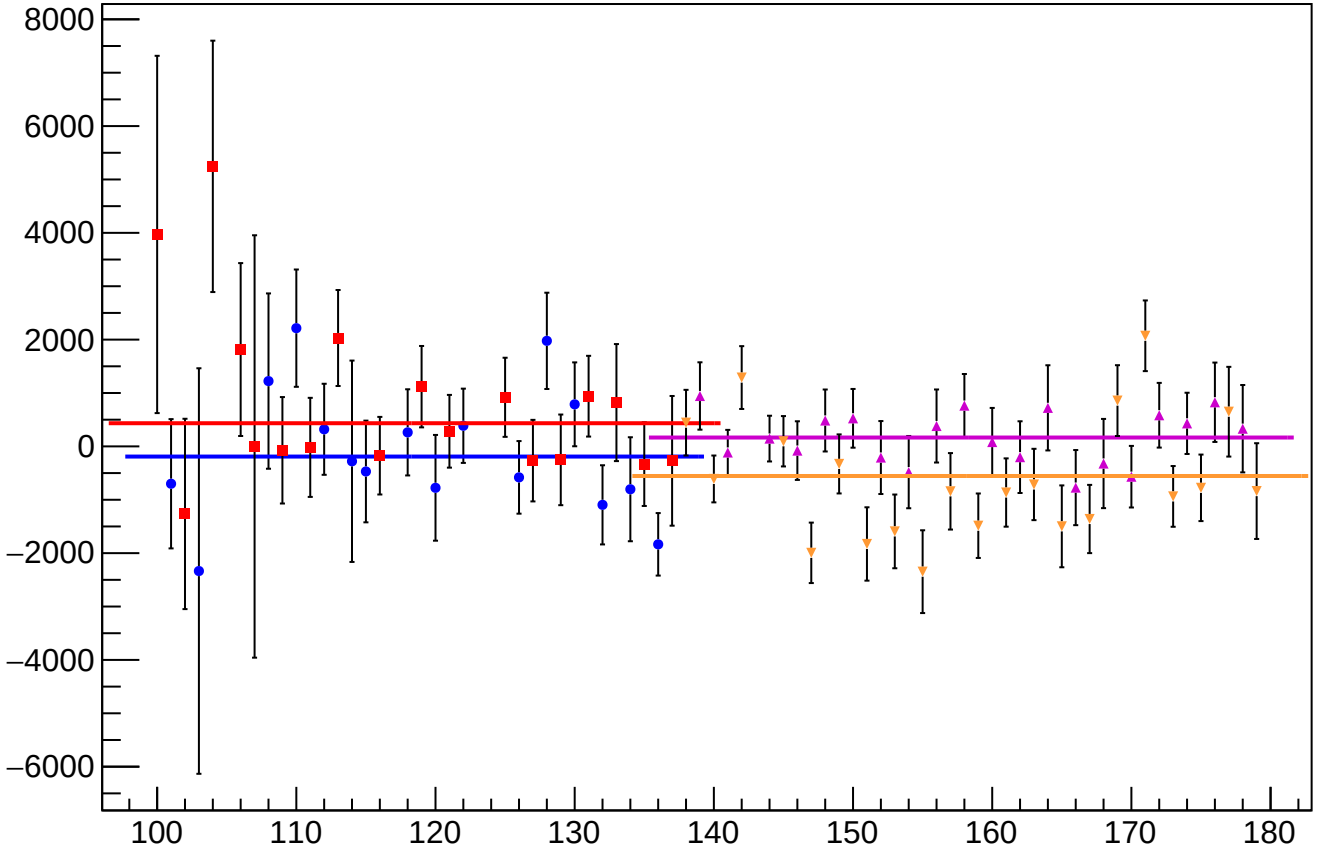
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1150.276+/-0.168 χ^2/NDF:372059.0/35

Out: 1157.854+/-0.168 χ^2/NDF:588015.1/38

All: 1154.065+/-0.119 χ^2/NDF: 961090.0/74

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -554.718+/-136.215 χ^2/NDF:61.0/20

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 165.841+/-135.830 χ^2/NDF:11.3/19

Left: -193.419+/-96.182 χ^2/NDF: 86.3/40

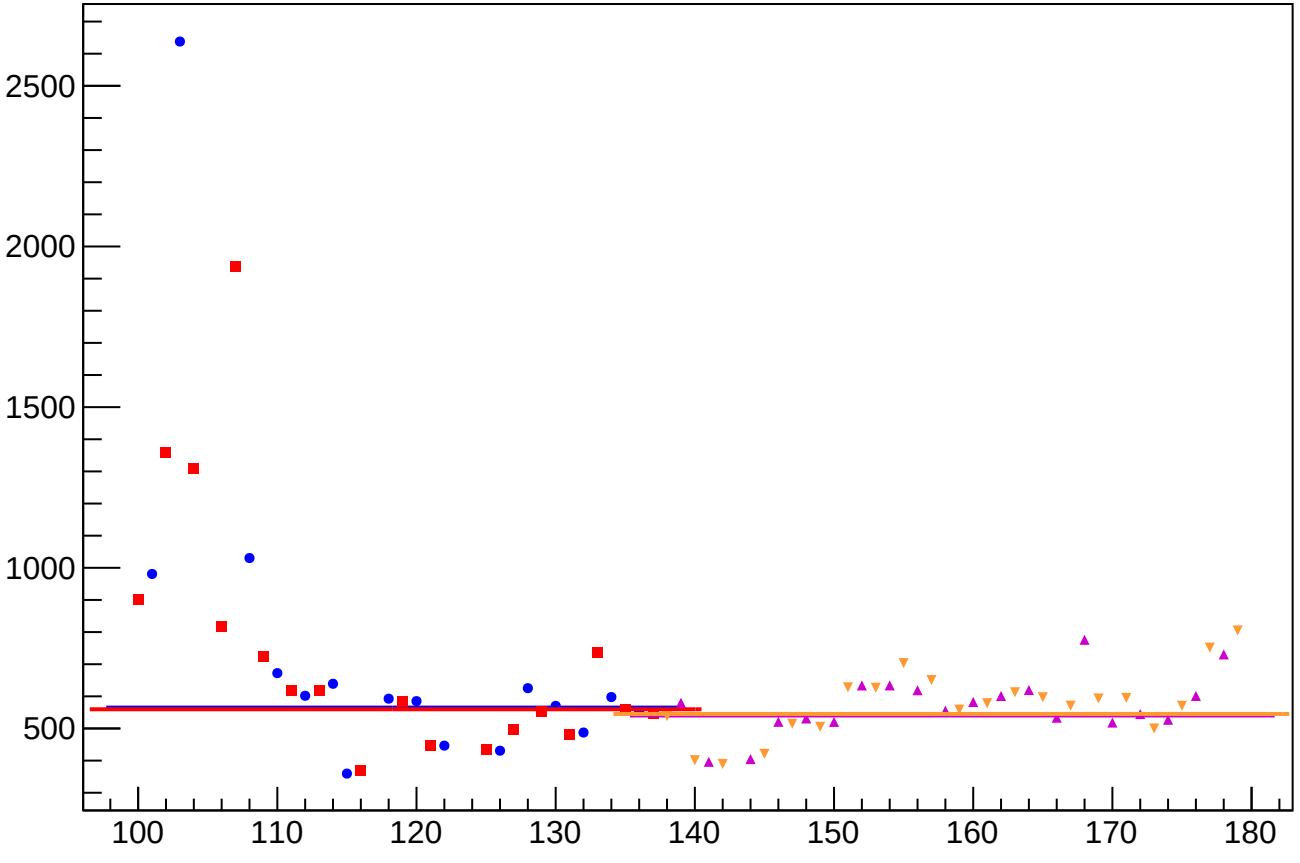
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 69.289+/-115.986 χ^2/NDF:38.4/35

Out: -287.046+/-116.322 χ^2/NDF:91.2/38

All: -108.364+/-82.133 χ^2/NDF: 134.3/74

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 545.189+/-0.096 χ^2/NDF:1059909.0/20

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 540.453+/-0.096 χ^2/NDF:878544.3/19

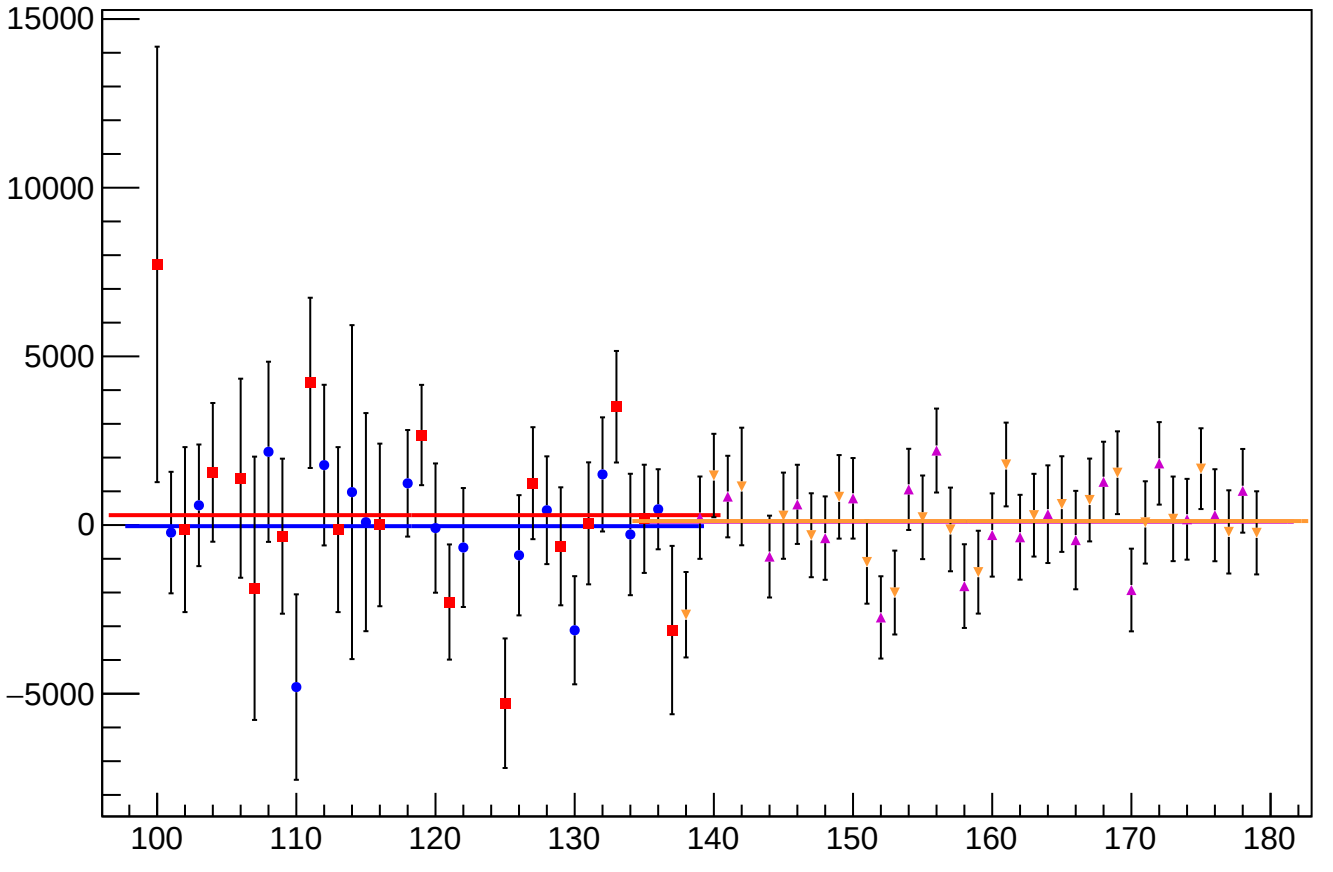
Left: 542.814+/-0.068 χ^2/NDF: 1939665.7/40

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 547.089+/-0.082 χ^2/NDF:2180625.5/35

Out: 549.134+/-0.082 χ^2/NDF:2395460.5/38

All: 548.108+/-0.058 χ^2/NDF: 4576396.0/74



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.203+/-274.783 χ^2/NDF:17.7/20

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 99.360+/-278.003 χ^2/NDF:19.8/19

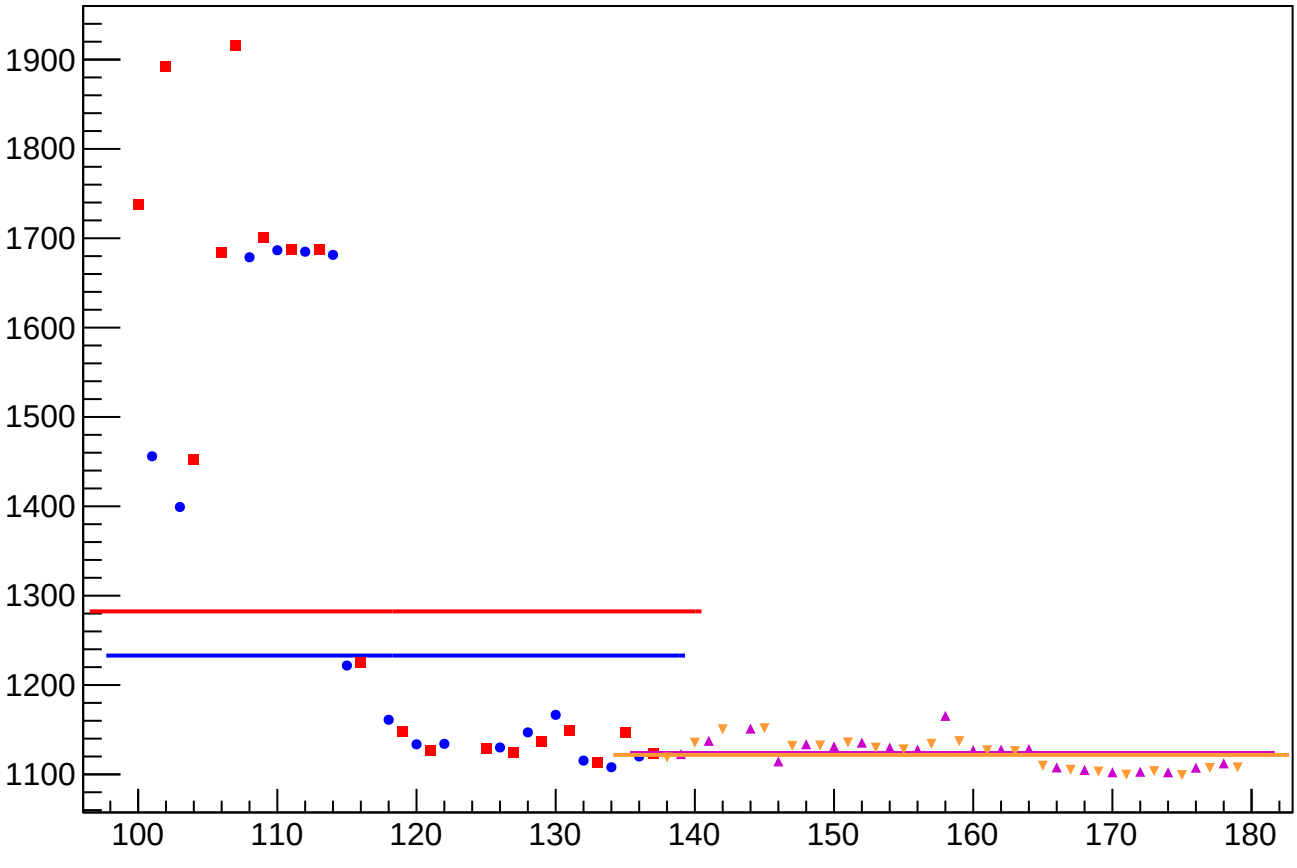
Left: 108.892+/-195.429 χ^2/NDF: 37.5/40

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 64.294+/-238.369 χ^2/NDF:30.1/35

Out: 160.926+/-238.938 χ^2/NDF:42.0/38

All: 112.495+/-168.753 χ^2/NDF: 72.2/74



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1123.855+/-0.197 χ^2/NDF:7214.0/19

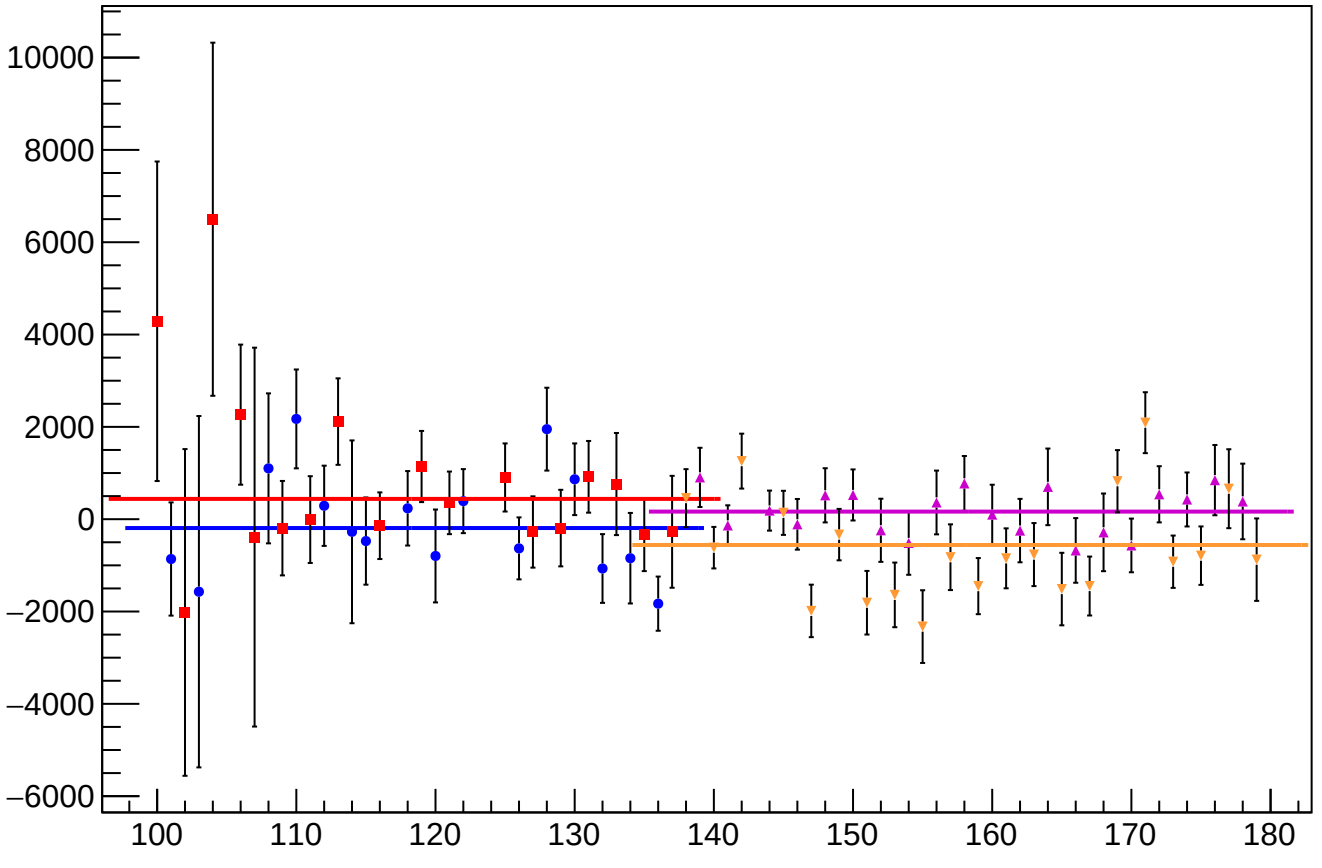
Left: 1122.805+/-0.138 χ^2/NDF: 13690.4/40

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1152.749+/-0.169 χ^2/NDF:404265.5/35

Out: 1160.952+/-0.169 χ^2/NDF:716496.6/38

All: 1156.841+/-0.119 χ^2/NDF: 1121943.7/74



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -558.905+/-137.662 χ^2/NDF:60.3/20

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 164.634+/-137.522 χ^2/NDF:10.9/19

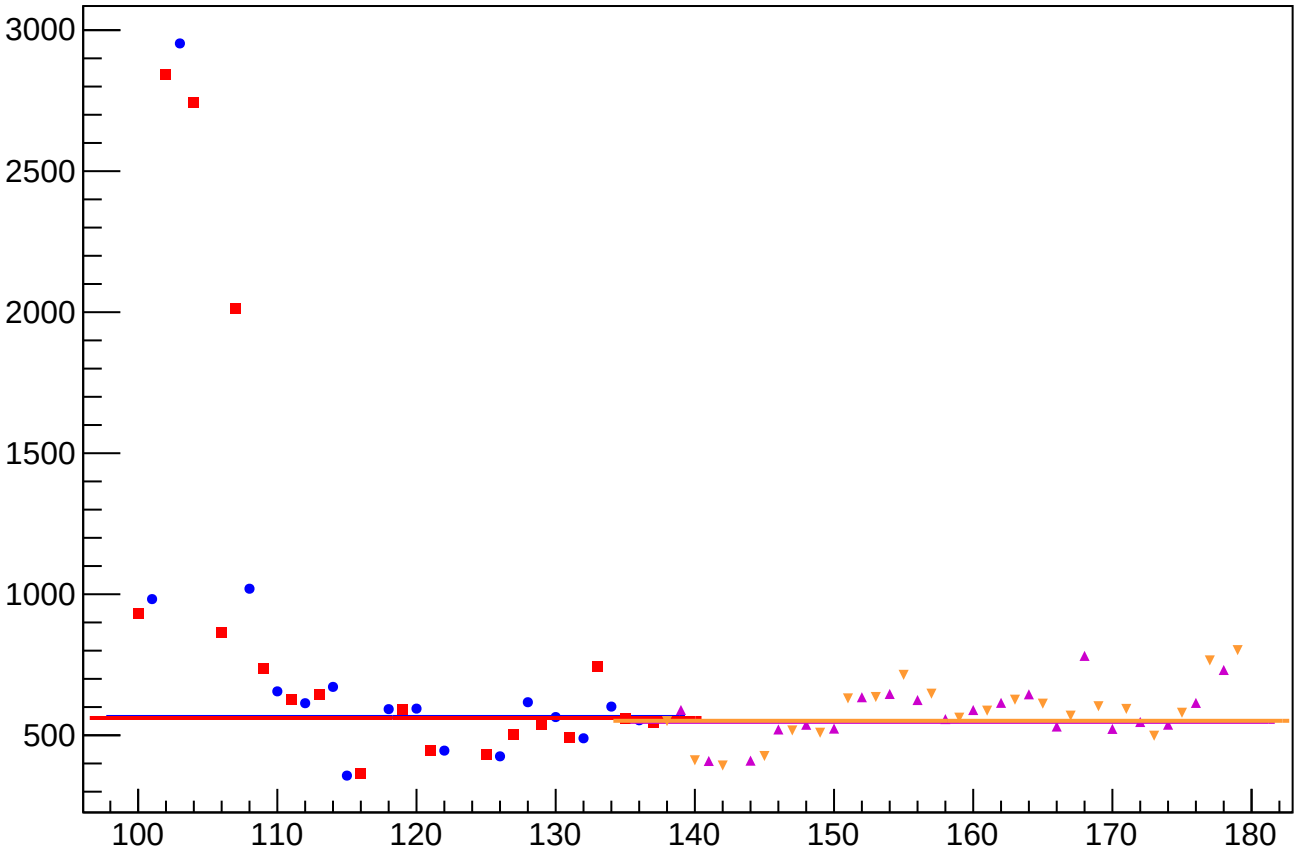
Left: -196.767+/-97.292 χ^2/NDF: 85.0/40

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 66.352+/-117.019 χ^2/NDF:38.0/35

Out: -289.728+/-117.653 χ^2/NDF:89.1/38

All: -110.727+/-82.968 χ^2/NDF: 131.7/74



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 551.312+/-0.097 χ^2/NDF:1037453.3/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 547.543+/-0.097 χ^2/NDF:852152.5/19

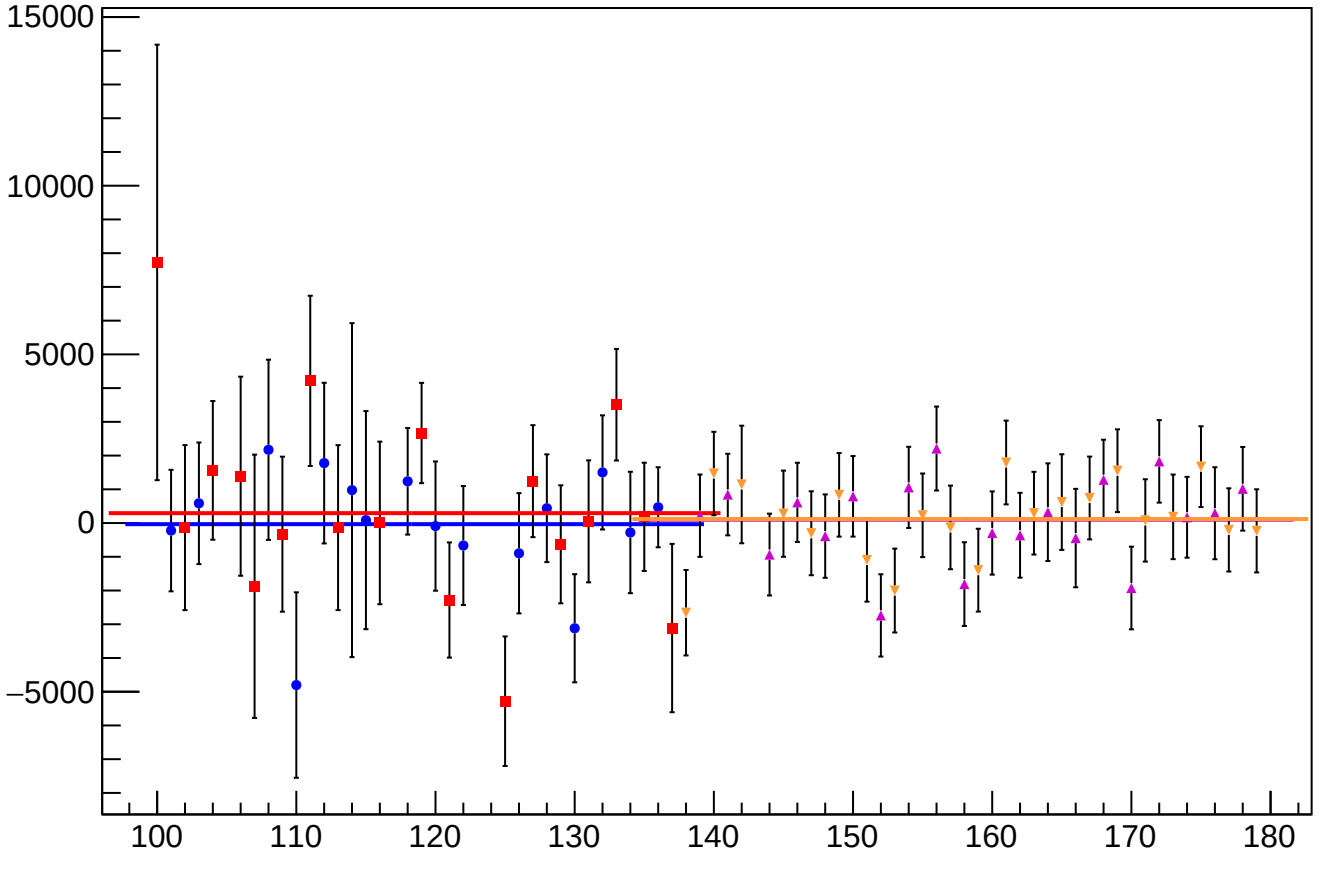
Left: 549.426+/-0.069 χ^2/NDF: 1890356.1/40

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 552.325+/-0.083 χ^2/NDF:2341289.8/35

Out: 553.997+/-0.083 χ^2/NDF:3313647.9/38

All: 553.156+/-0.059 χ^2/NDF: 5655140.9/74



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 118.202+/-274.783 χ^2/NDF:17.7/20

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 99.361+/-278.003 χ^2/NDF:19.8/19

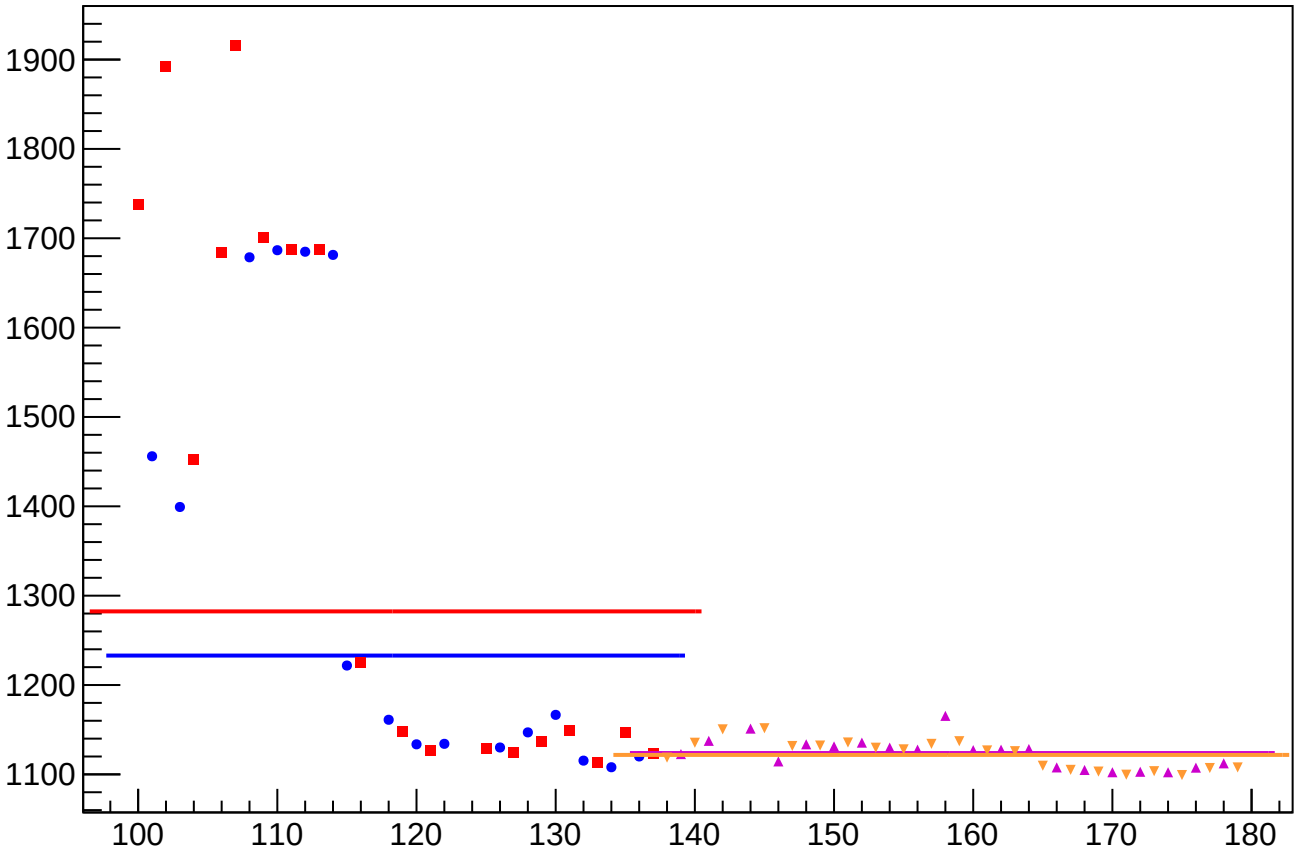
Left: 108.891+/-195.429 χ^2/NDF: 37.5/40

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 64.294+/-238.369 χ^2/NDF:30.1/35

Out: 160.925+/-238.938 χ^2/NDF:42.0/38

All: 112.494+/-168.753 χ^2/NDF: 72.2/74



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1121.779+/-0.194 χ^2/NDF:6419.9/20

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1123.855+/-0.197 χ^2/NDF:7214.0/19

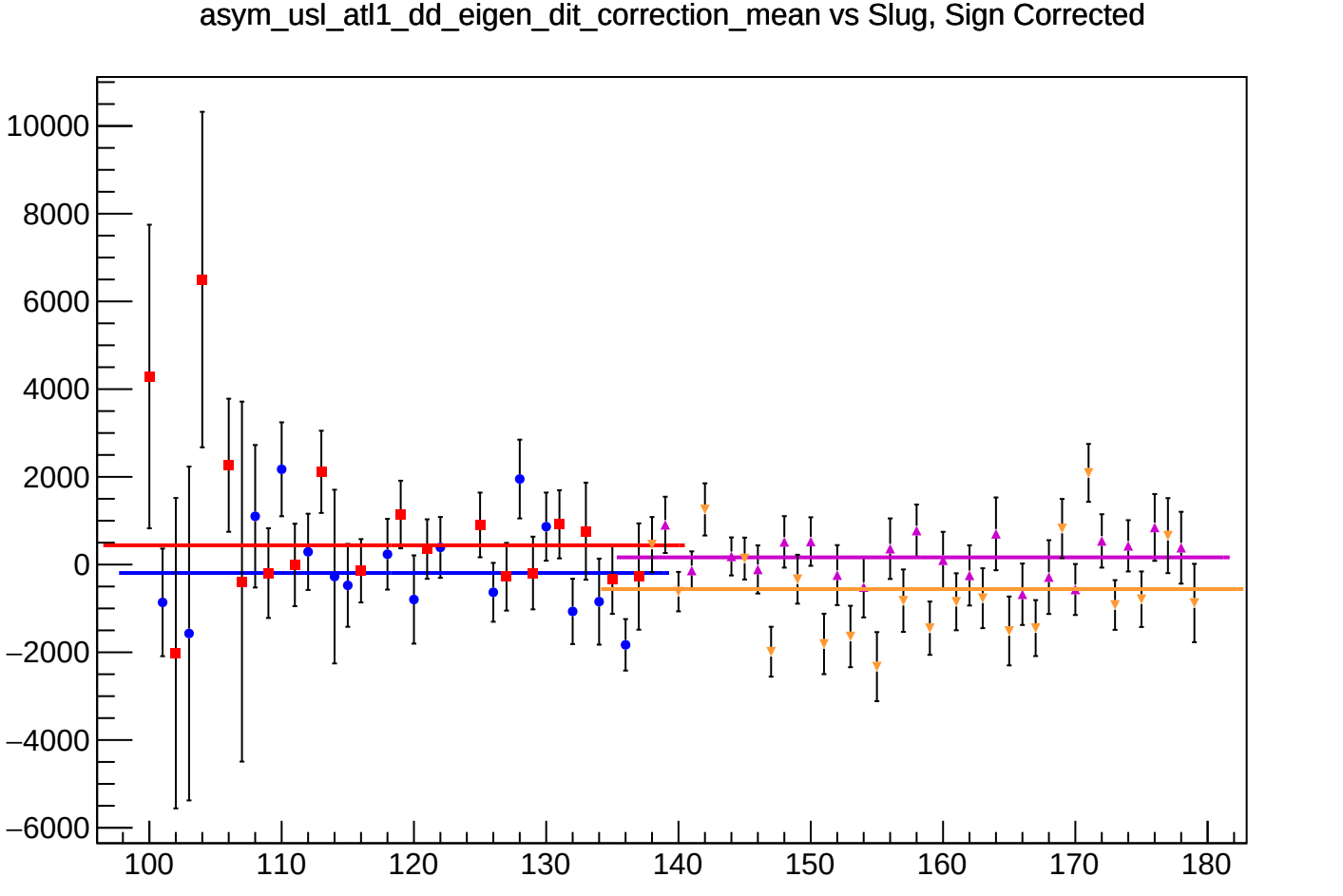
Left: 1122.805+/-0.138 χ^2/NDF: 13690.4/40

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1152.749+/-0.169 χ^2/NDF:404265.0/35

Out: 1160.952+/-0.169 χ^2/NDF:716495.9/38

All: 1156.841+/-0.119 χ^2/NDF: 1121942.5/74



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -558.903+/-137.662 χ^2/NDF:60.3/20

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 164.634+/-137.522 χ^2/NDF:10.9/19

Left: -196.766+/-97.292 χ^2/NDF: 85.0/40

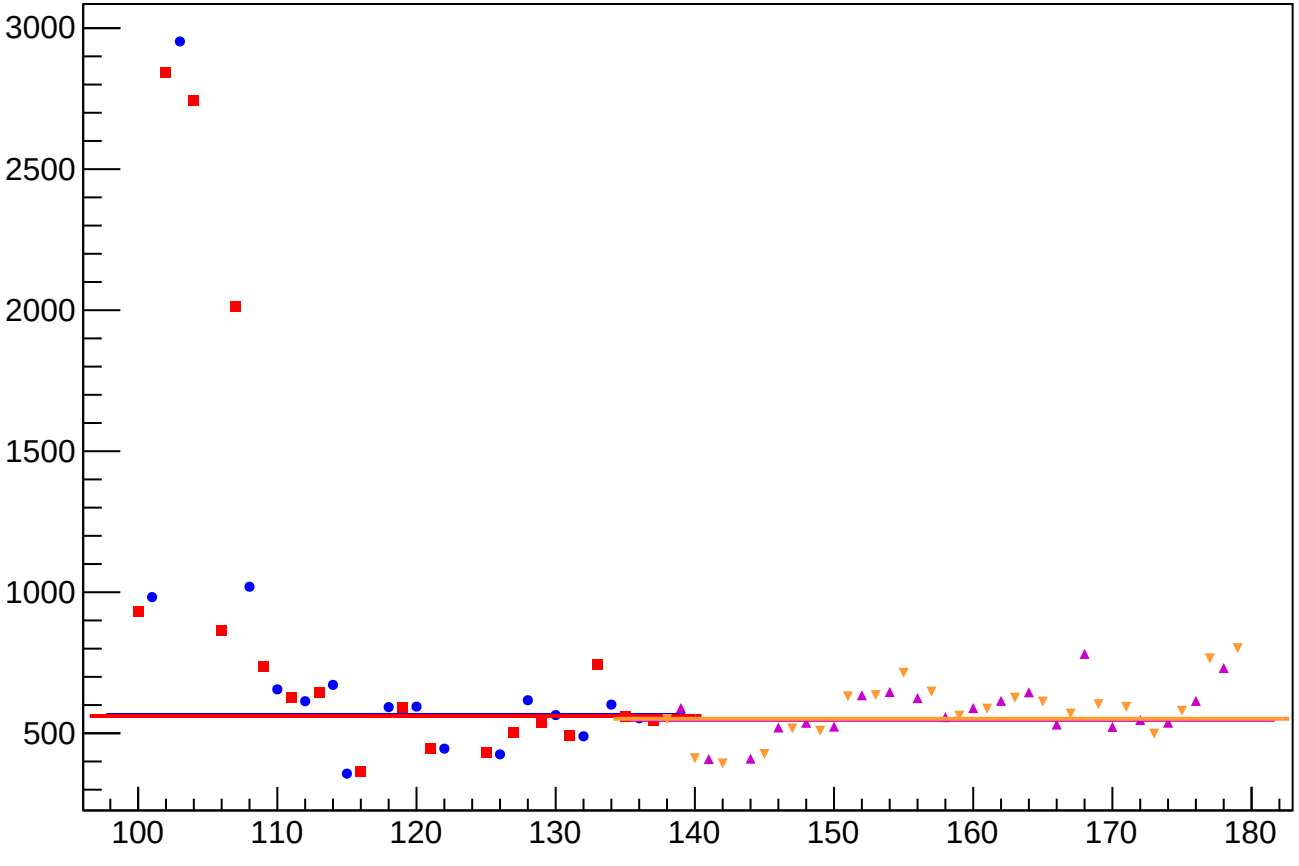
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 66.352+/-117.019 χ^2/NDF:38.0/35

Out: -289.727+/-117.653 χ^2/NDF:89.1/38

All: -110.726+/-82.968 χ^2/NDF: 131.7/74

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 551.311+/-0.097 χ^2/NDF:1037472.9/20

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 547.543+/-0.097 χ^2/NDF:852165.6/19

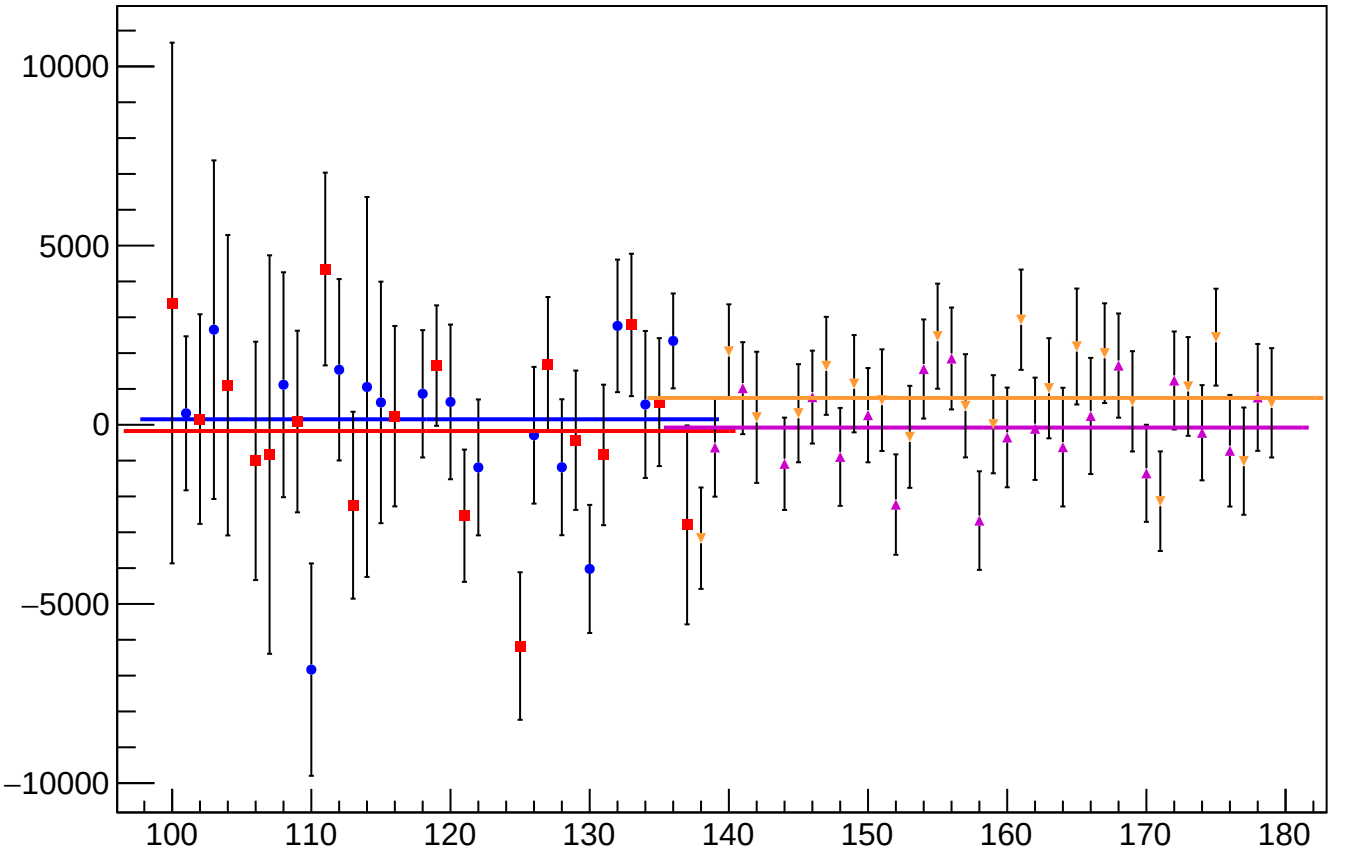
Left: 549.425+/-0.069 χ^2/NDF: 1890388.8/40

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 552.324+/-0.083 χ^2/NDF:2341300.8/35

Out: 553.997+/-0.083 χ^2/NDF:3313668.5/38

All: 553.156+/-0.059 χ^2/NDF: 5655172.5/74



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 748.925+/-310.679 χ^2/NDF:23.0/20

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -78.121+/-312.532 χ^2/NDF:15.4/19

Left: 337.861+/-220.335 χ^2/NDF: 41.9/40

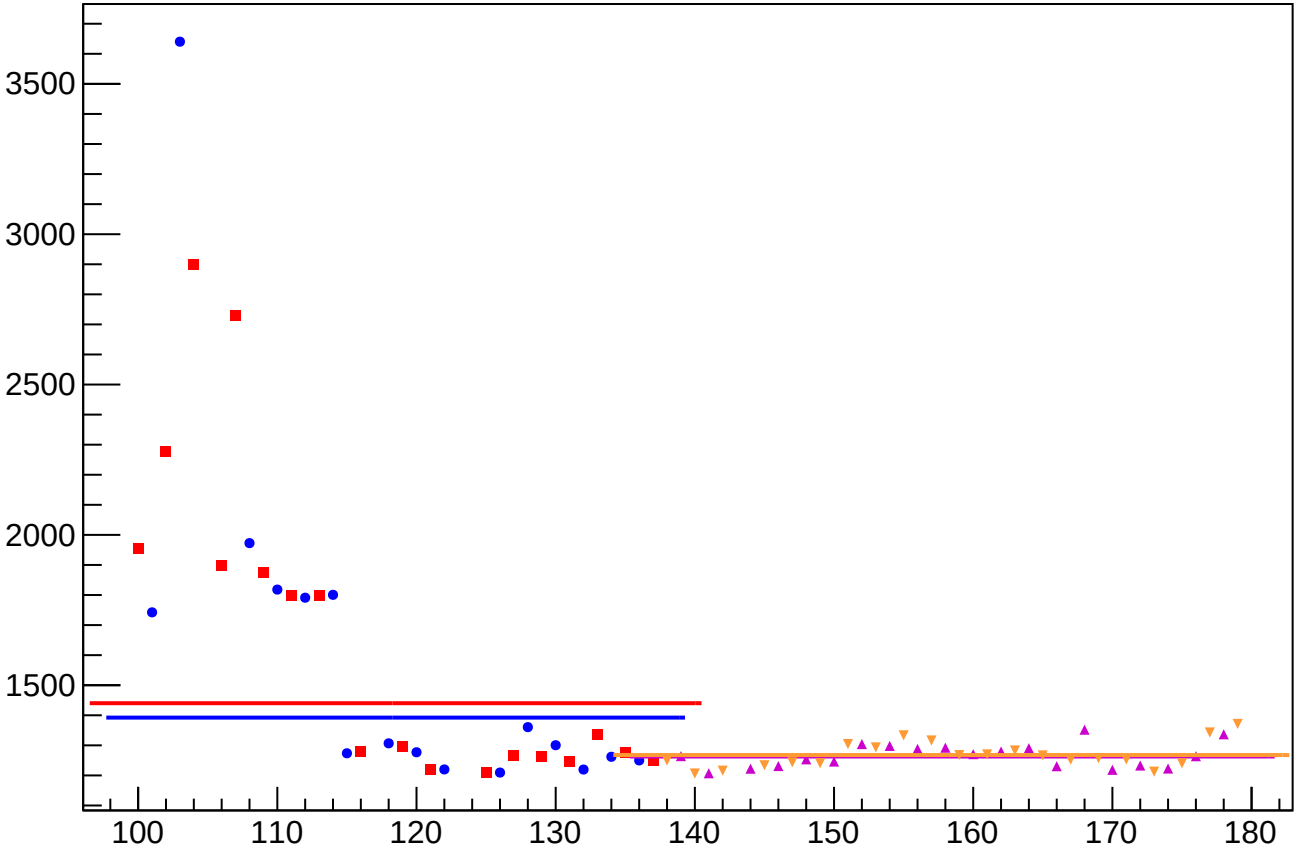
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -18.742+/-269.485 χ^2/NDF:33.3/35

Out: 525.691+/-270.524 χ^2/NDF:44.8/38

All: 252.427+/-190.921 χ^2/NDF: 80.2/74

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1267.764+/-0.220 χ^2/NDF:36342.3/20

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1262.860+/-0.221 χ^2/NDF:30979.8/19

Left: 1265.327+/-0.156 χ^2/NDF: 67569.8/40

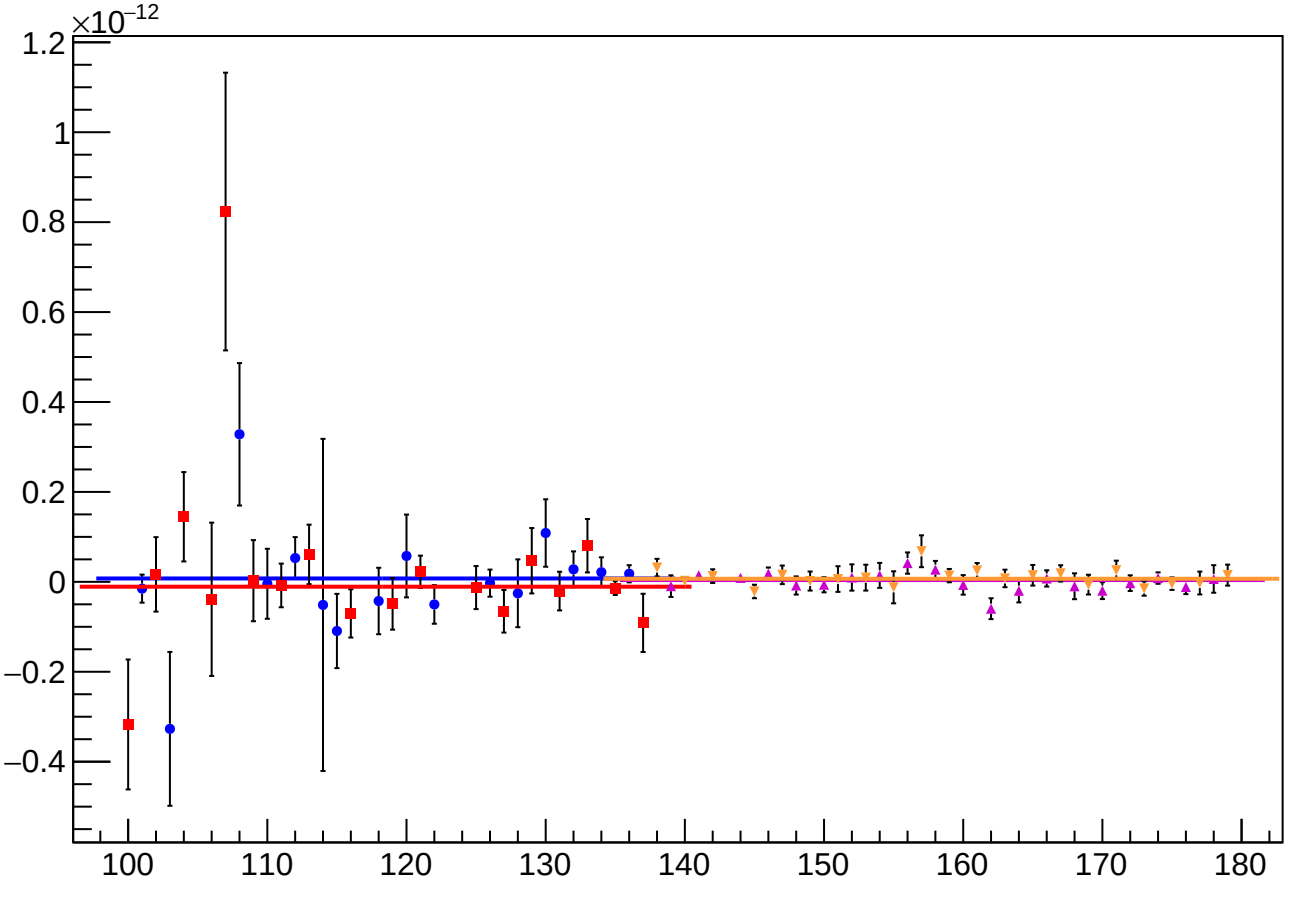
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1296.061+/-0.191 χ^2/NDF:898215.6/35

Out: 1309.464+/-0.191 χ^2/NDF:1040238.5/38

All: 1302.737+/-0.135 χ^2/NDF: 1940918.0/74

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.5/19

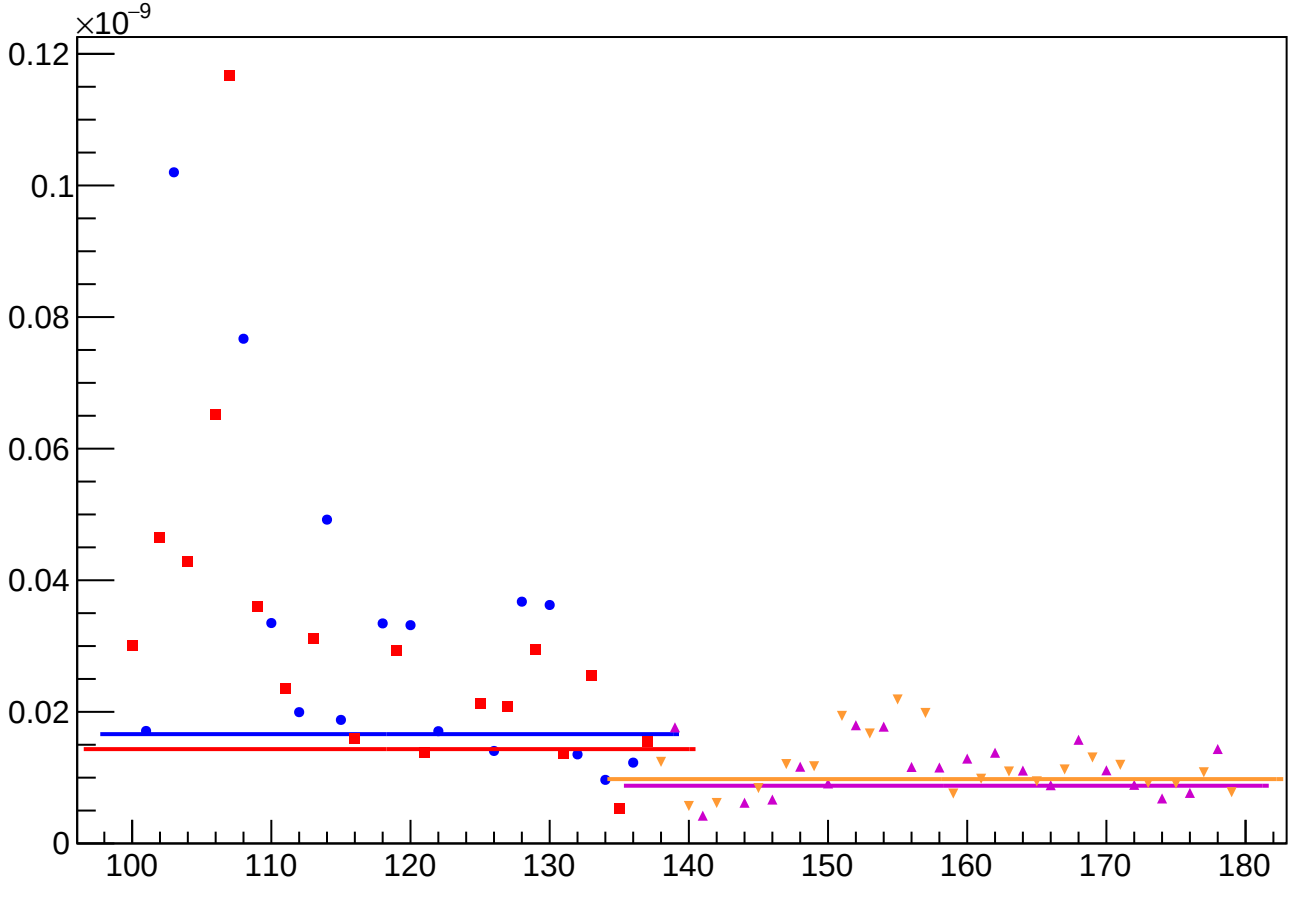
Left: 0.000+/-0.000 χ^2/NDF: 34.6/40

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:36.5/35

Out: 0.000+/-0.000 χ^2/NDF:41.3/38

All: 0.000+/-0.000 χ^2/NDF: 77.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1369964.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1880656.1/19

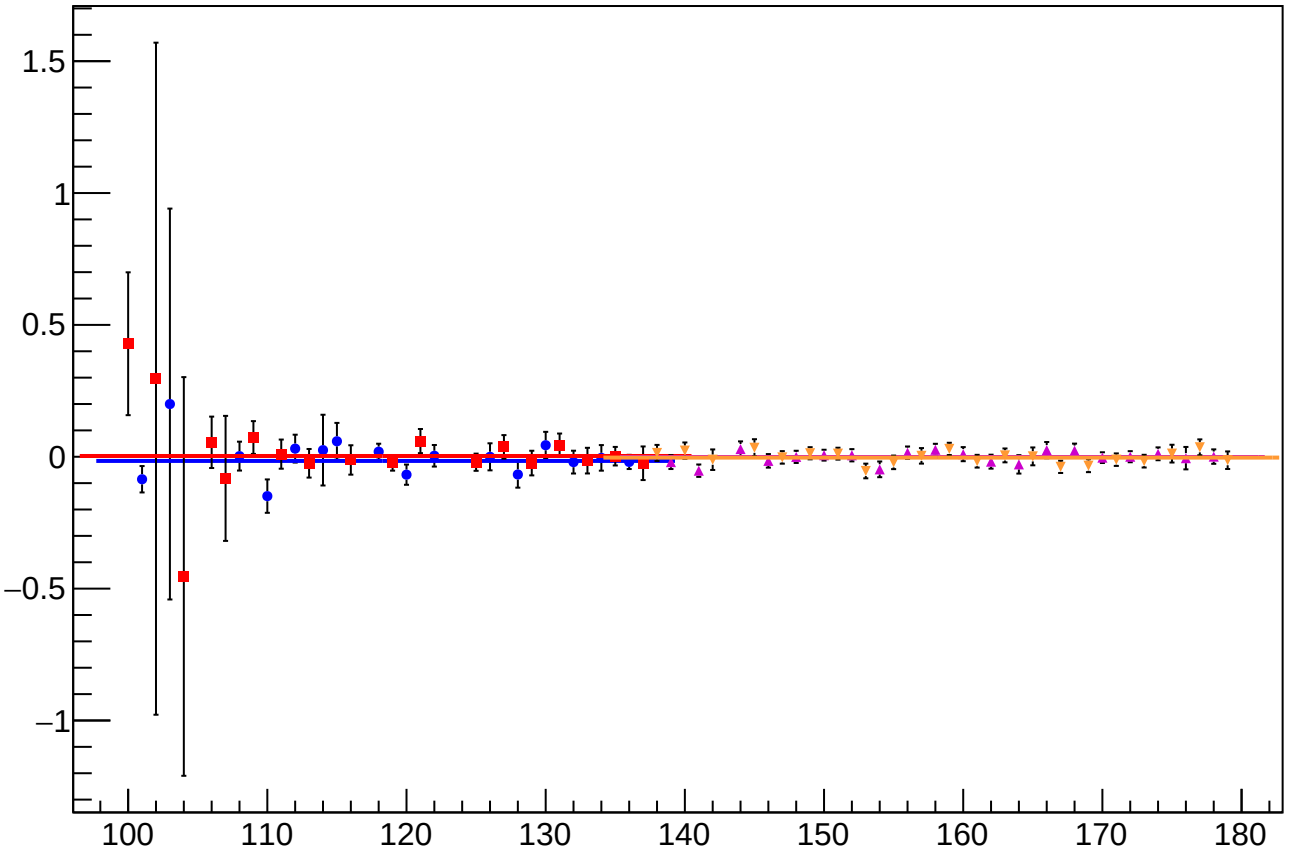
Left: 0.000+/-0.000 χ^2/NDF: 3315252.0/40

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4378248.9/35

Out: 0.000+/-0.000 χ^2/NDF:3950351.6/38

All: 0.000+/-0.000 χ^2/NDF: 8365357.3/74



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.5/40

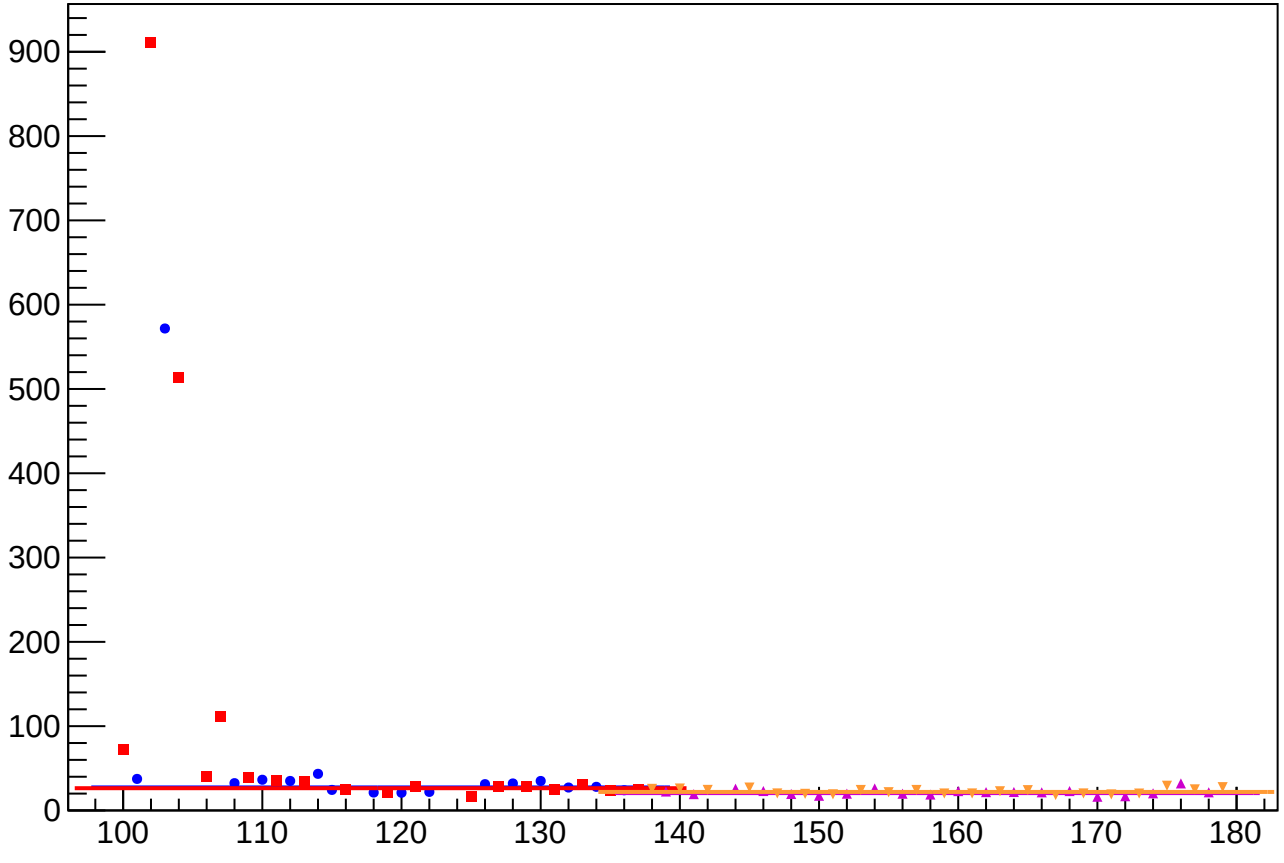
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.5/74

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.965+/-0.004 χ^2/NDF:520614.9/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574136.4/19

Left: 21.259+/-0.003 χ^2/NDF: 1150672.8/40

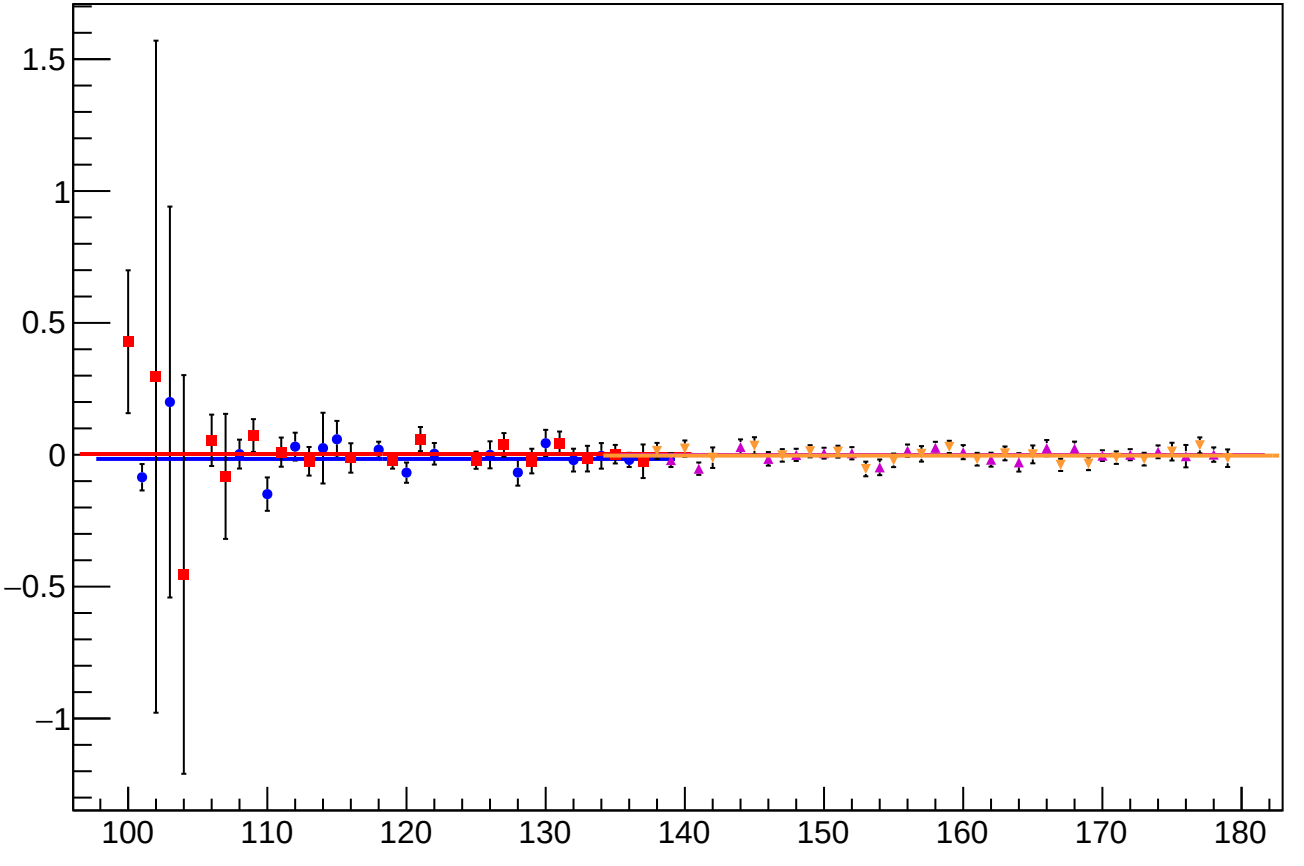
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.897+/-0.004 χ^2/NDF:2685028.9/35

Out: 22.818+/-0.004 χ^2/NDF:3355106.8/38

All: 22.340+/-0.003 χ^2/NDF: 6071846.0/74

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.5/40

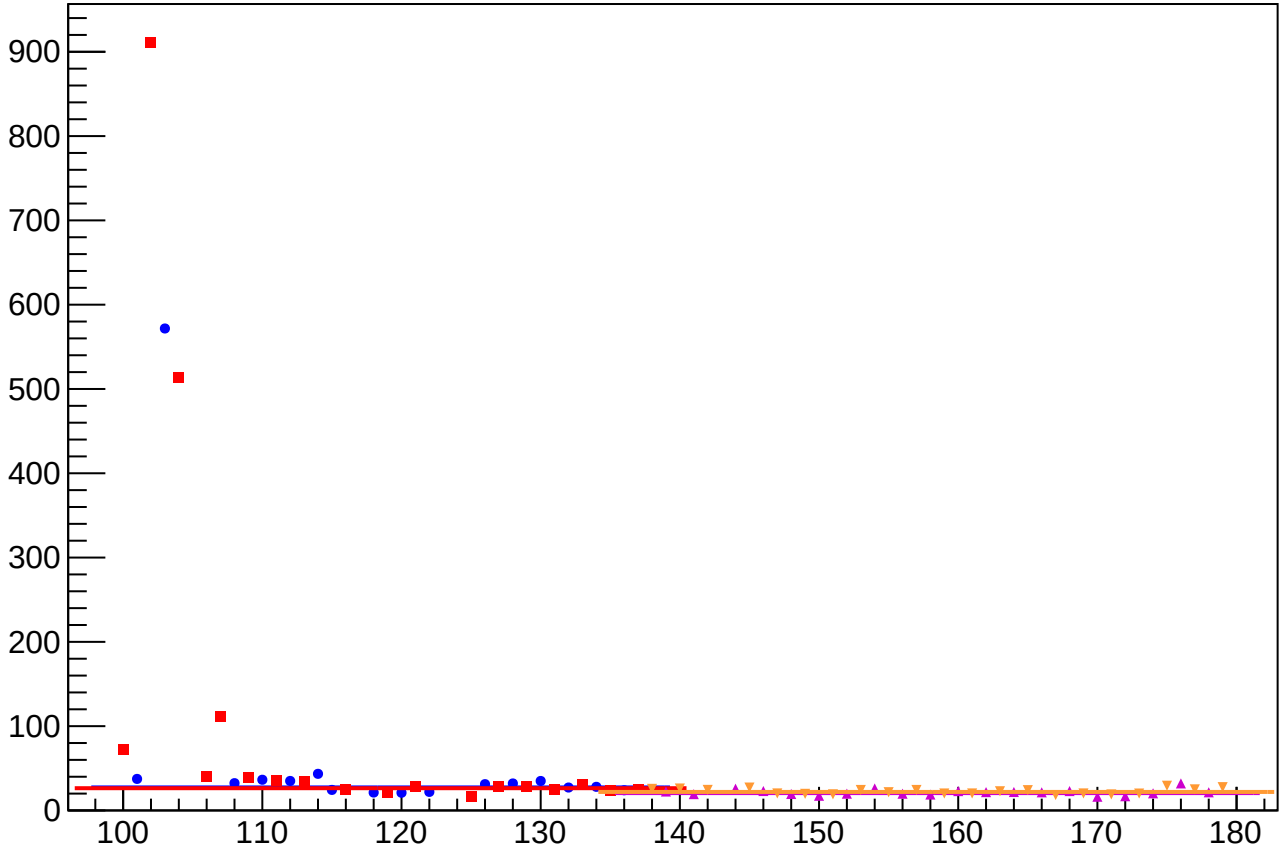
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.5/74

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.965+/-0.004 χ^2/NDF:520614.9/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574136.4/19

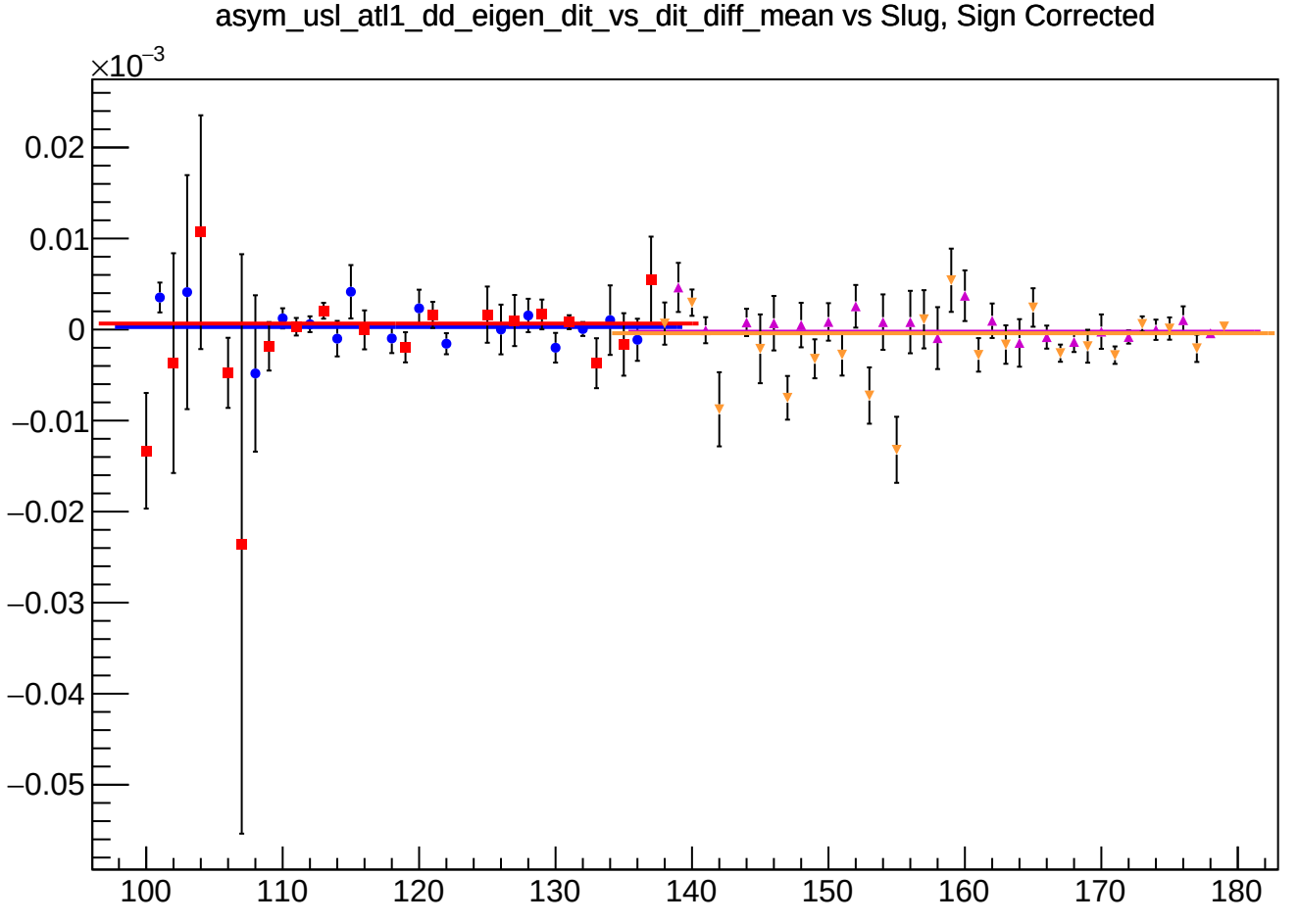
Left: 21.259+/-0.003 χ^2/NDF: 1150672.8/40

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.897+/-0.004 χ^2/NDF:2685028.9/35

Out: 22.818+/-0.004 χ^2/NDF:3355106.8/38

All: 22.340+/-0.003 χ^2/NDF: 6071846.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:66.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/19

Left: -0.000+/-0.000 χ^2/NDF: 77.6/40

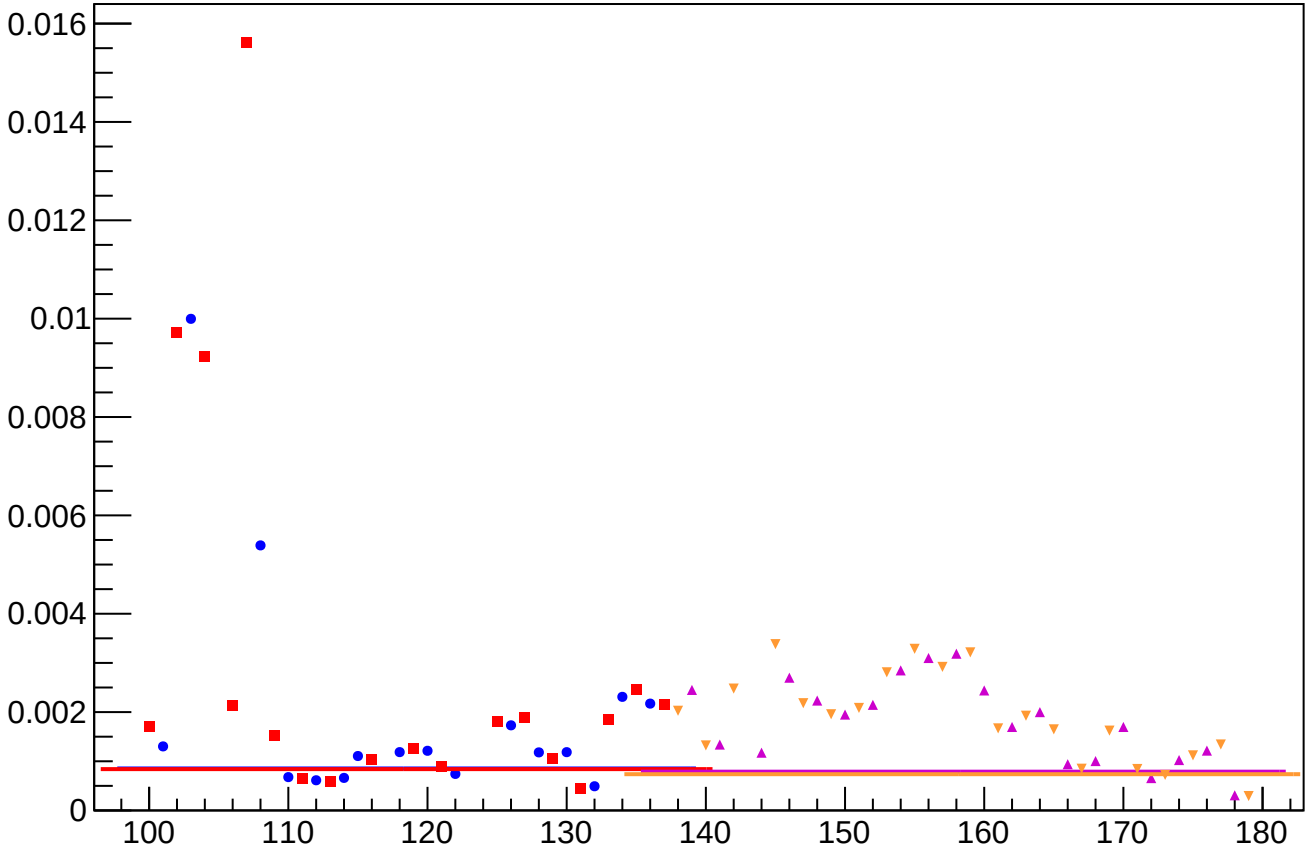
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: -0.000+/-0.000 χ^2/NDF:27.0/35

Out: -0.000+/-0.000 χ^2/NDF:90.5/38

All: -0.000+/-0.000 χ^2/NDF: 117.5/74

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:14459335.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:12743117.2/19

Left: 0.001+/-0.000 χ^2/NDF: 27243964.4/40

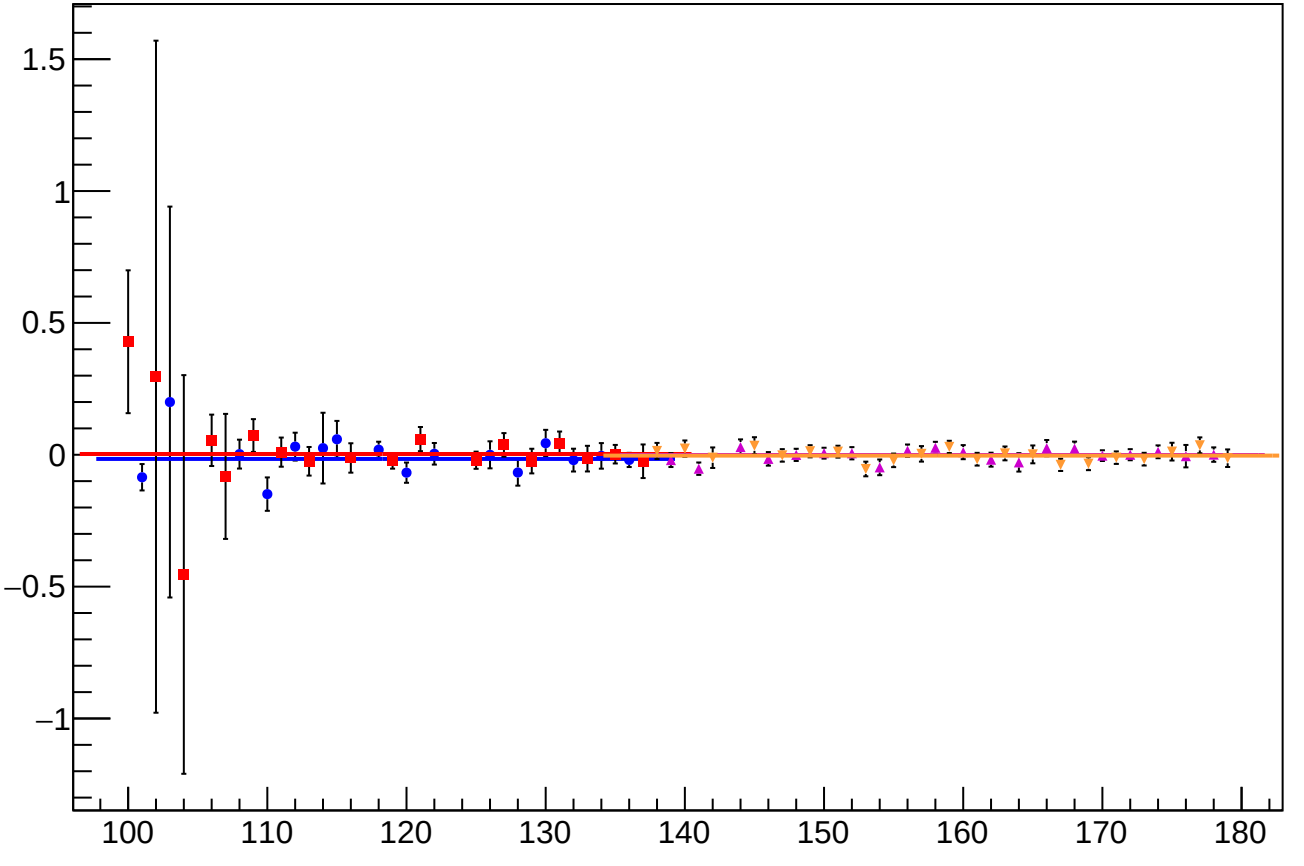
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:16646914.1/35

Out: 0.001+/-0.000 χ^2/NDF:19596362.7/38

All: 0.001+/-0.000 χ^2/NDF: 36287121.5/74

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.5/40

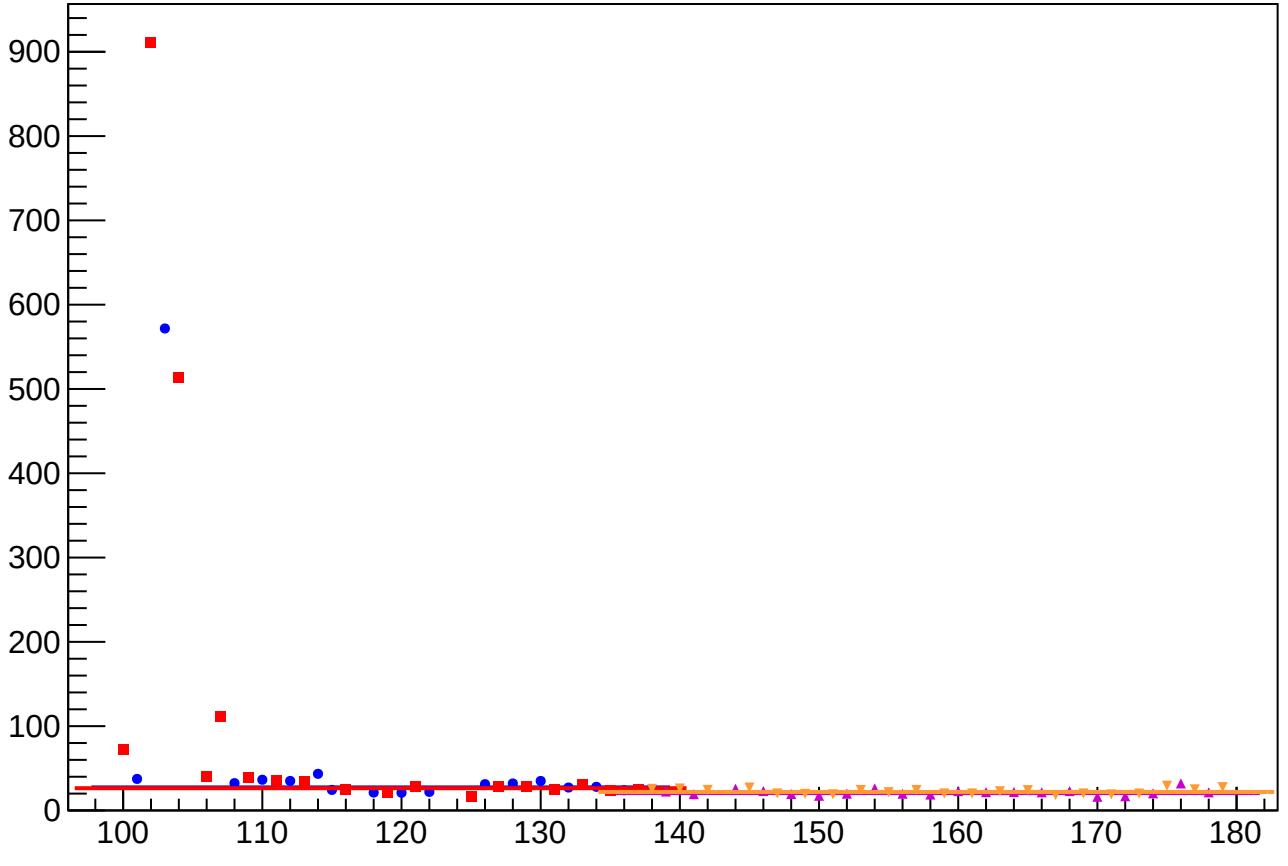
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.5/74

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.965+/-0.004 χ^2/NDF:520587.0/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574151.9/19

Left: 21.259+/-0.003 χ^2/NDF: 1150659.0/40

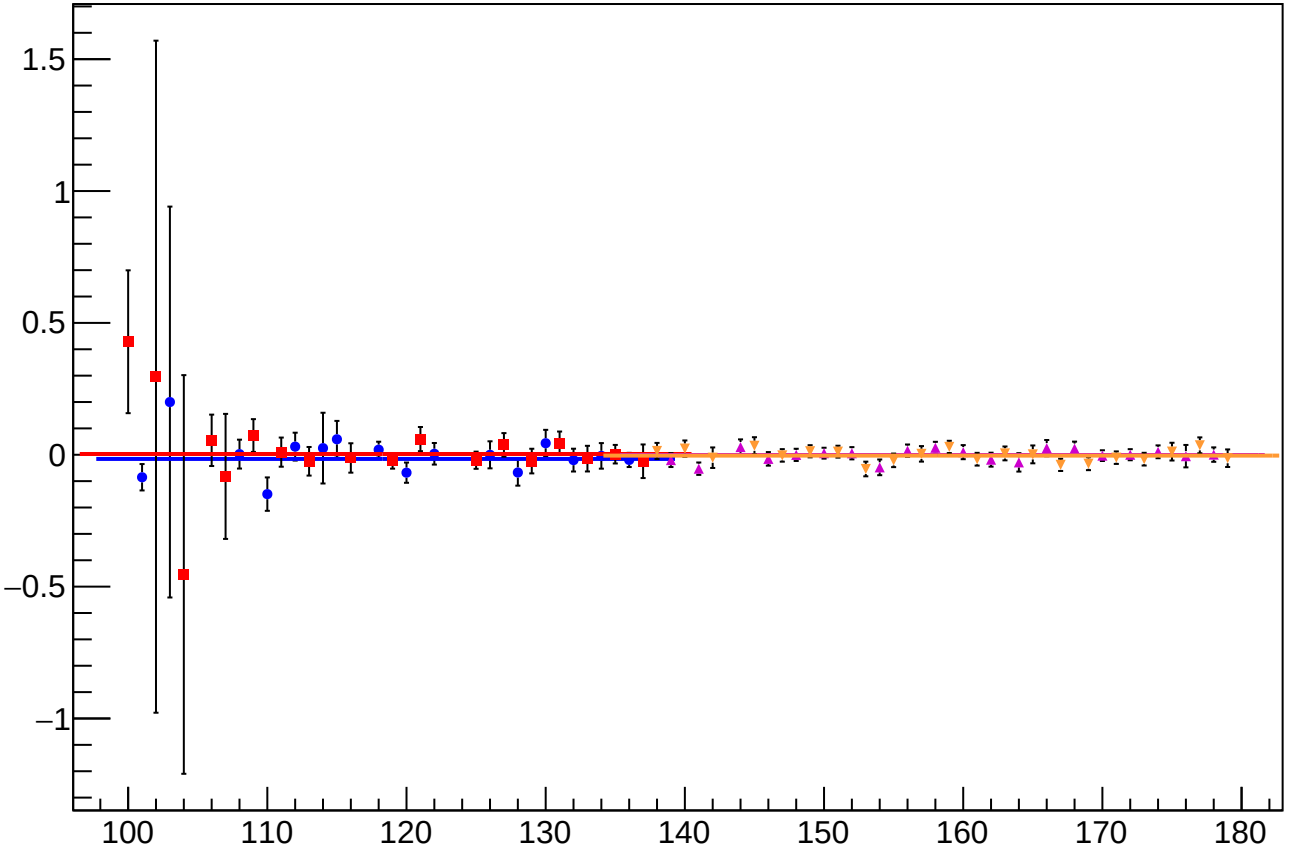
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.896+/-0.004 χ^2/NDF:2685044.1/35

Out: 22.818+/-0.004 χ^2/NDF:3355101.5/38

All: 22.340+/-0.003 χ^2/NDF: 6071854.9/74

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.9/20

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.5/40

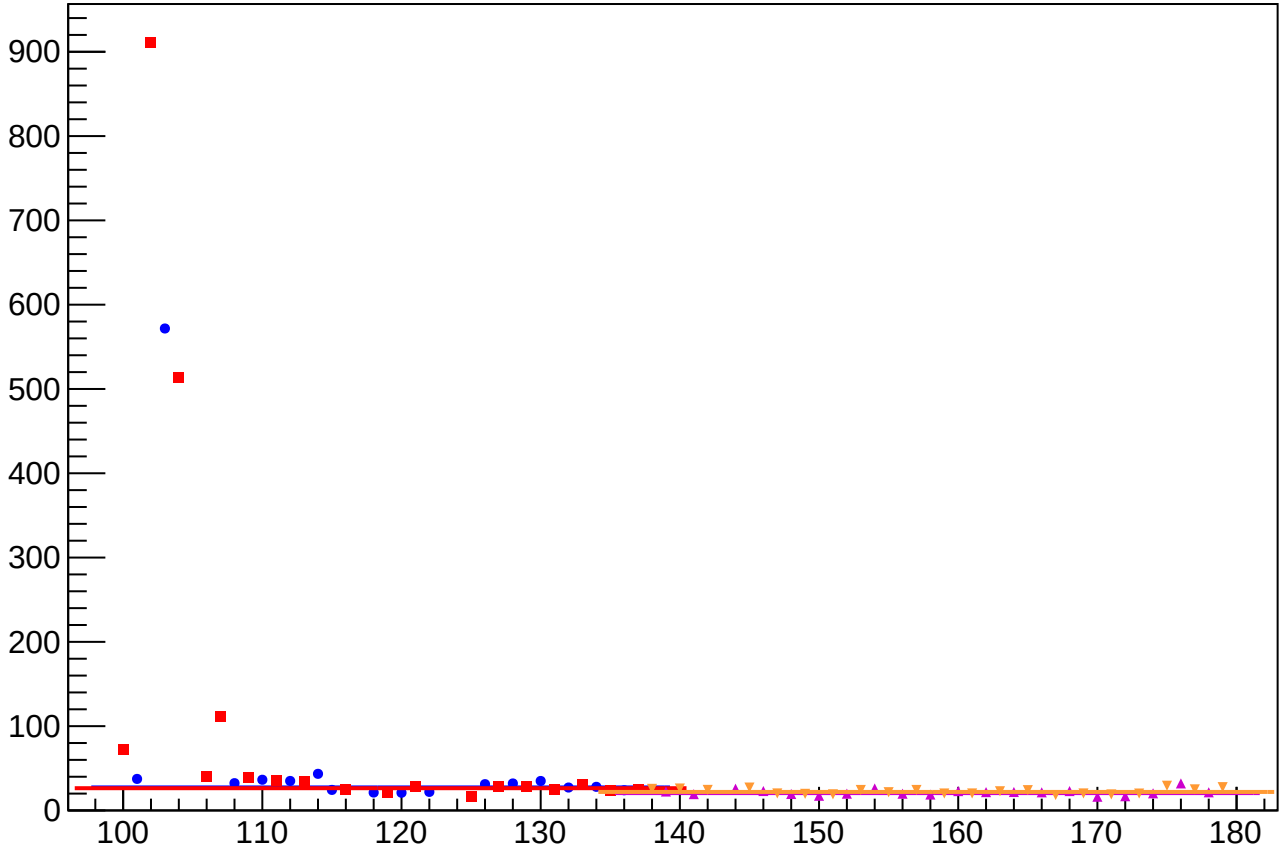
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:26.0/38

All: -0.003+/-0.004 χ^2/NDF: 56.5/74

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.965+/-0.004 χ^2/NDF:520587.0/20

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.603+/-0.004 χ^2/NDF:574151.9/19

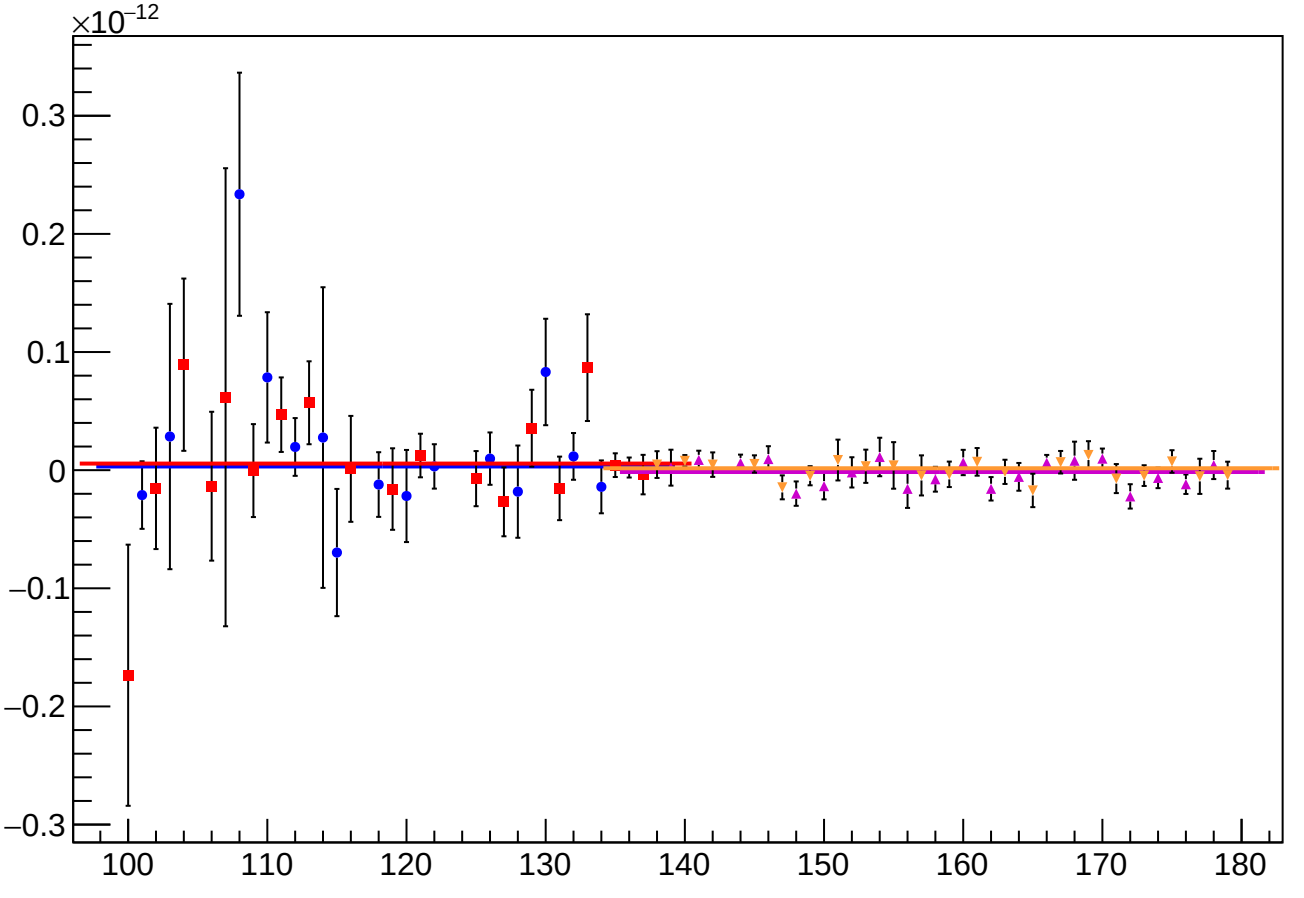
Left: 21.259+/-0.003 χ^2/NDF: 1150659.0/40

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.896+/-0.004 χ^2/NDF:2685044.1/35

Out: 22.818+/-0.004 χ^2/NDF:3355101.5/38

All: 22.340+/-0.003 χ^2/NDF: 6071854.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:22.5/19

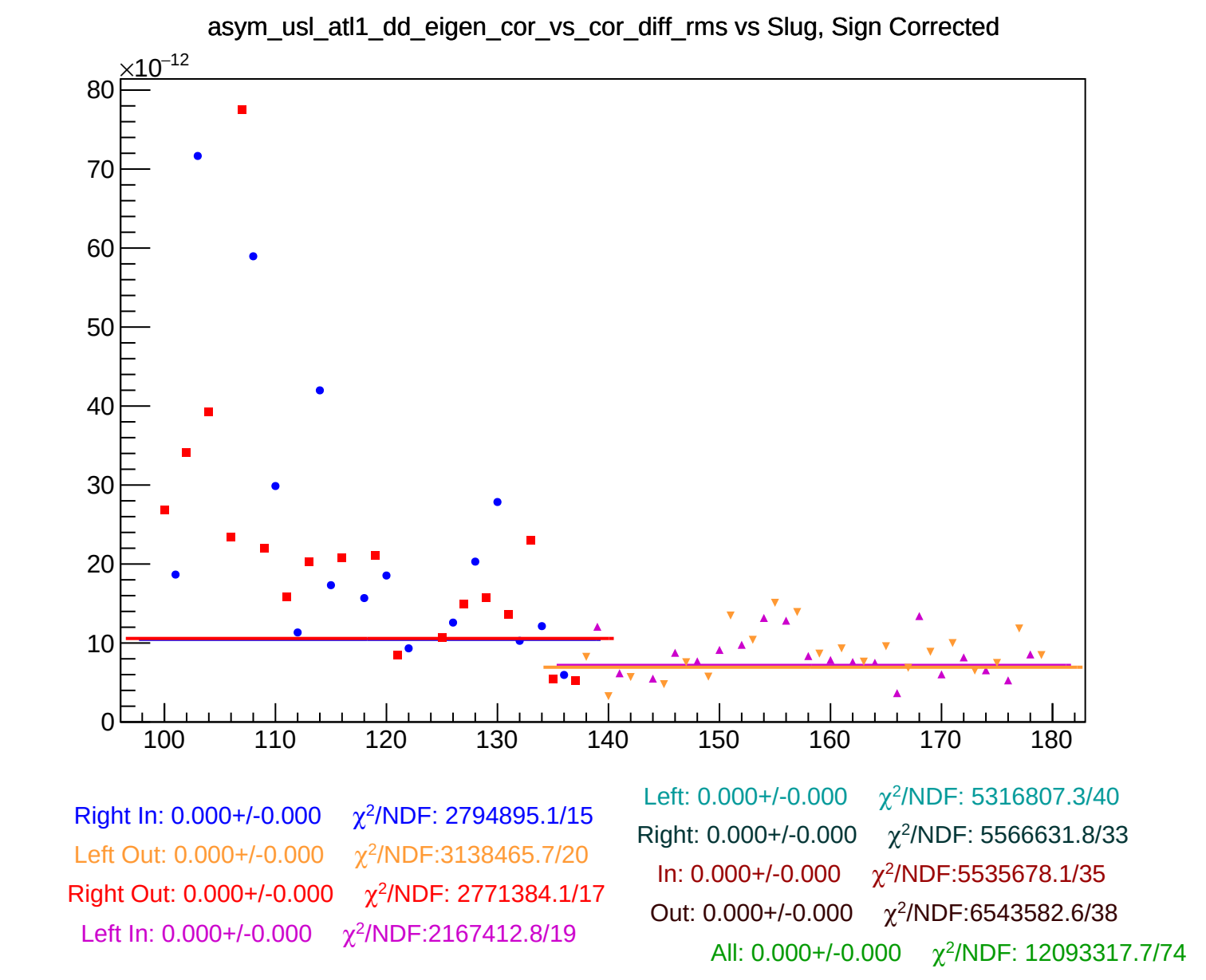
Left: 0.000+/-0.000 χ^2/NDF: 34.3/40

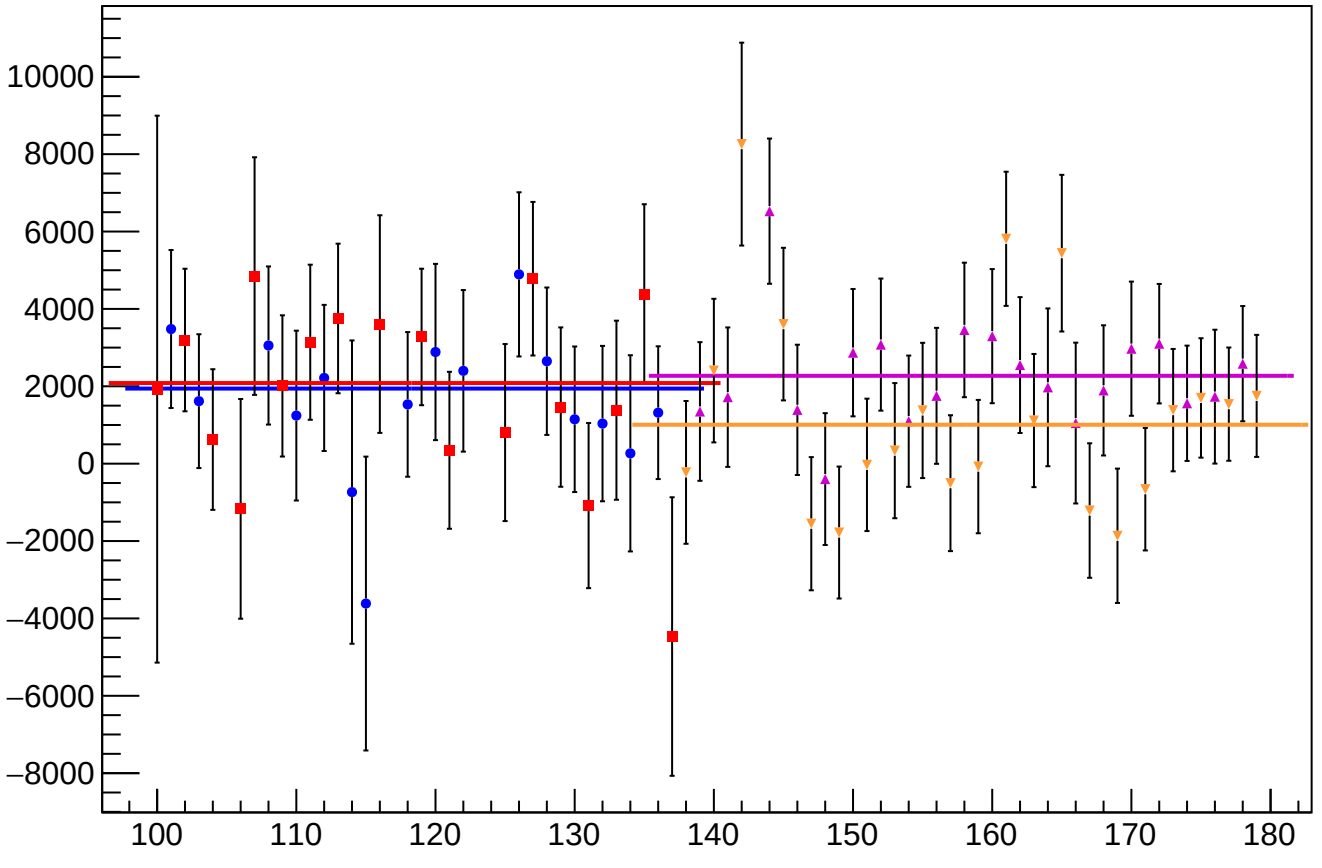
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:26.5/38

All: 0.000+/-0.000 χ^2/NDF: 65.6/74


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3138465.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2167412.8/19
Left: 0.000+/-0.000 χ²/NDF: 5316807.3/40
Right: 0.000+/-0.000 χ²/NDF: 5566631.8/33
In: 0.000+/-0.000 χ²/NDF:5535678.1/35
Out: 0.000+/-0.000 χ²/NDF:6543582.6/38
All: 0.000+/-0.000 χ²/NDF: 12093317.7/74



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.930+/-378.245 χ^2/NDF:35.5/20

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2271.382+/-383.935 χ^2/NDF:11.2/19

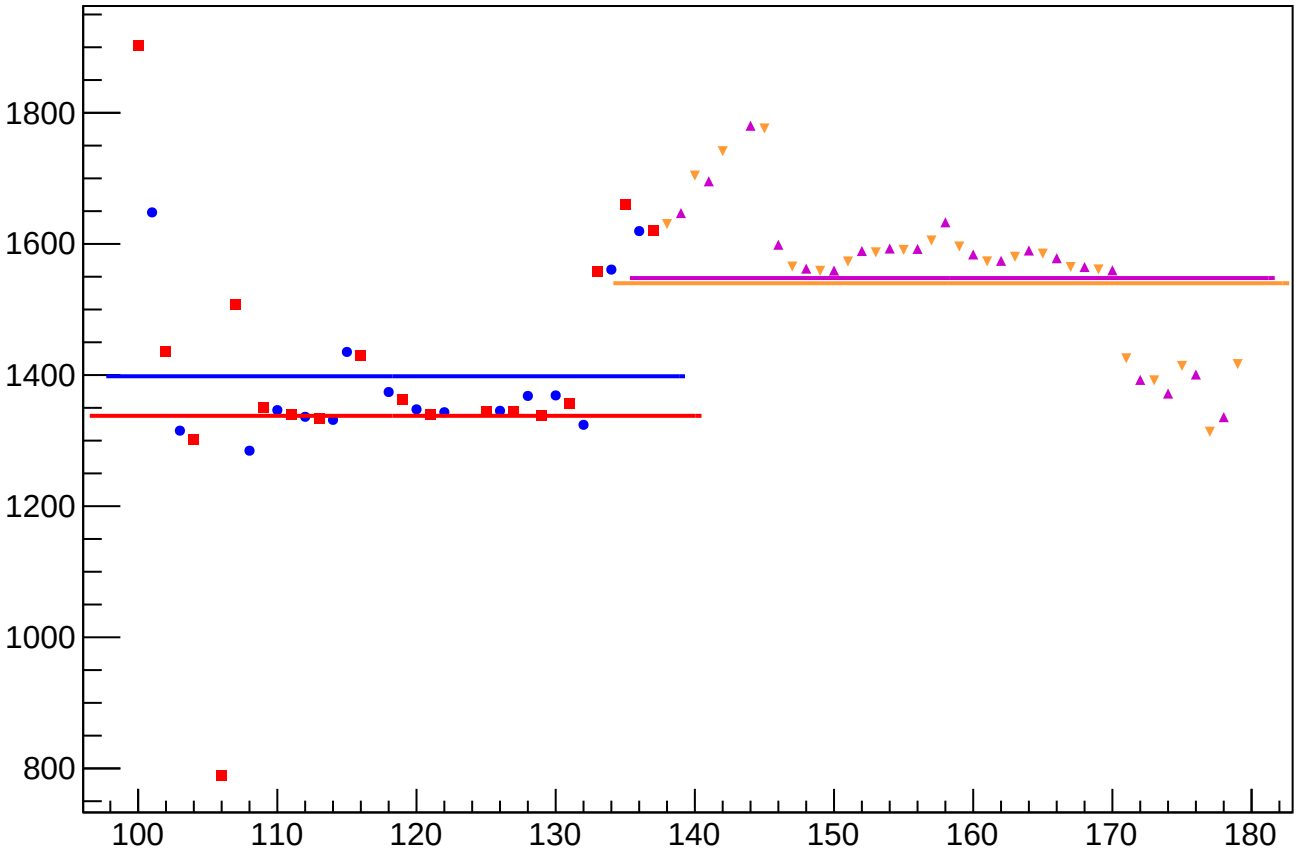
Left: 1629.209+/-269.449 χ^2/NDF: 52.3/40

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2155.440+/-309.322 χ^2/NDF:18.4/35

Out: 1379.340+/-305.798 χ^2/NDF:52.8/38

All: 1762.943+/-217.467 χ^2/NDF: 74.4/74



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

Left: 1543.983+/-0.191 χ^2/NDF: 342784.3/40

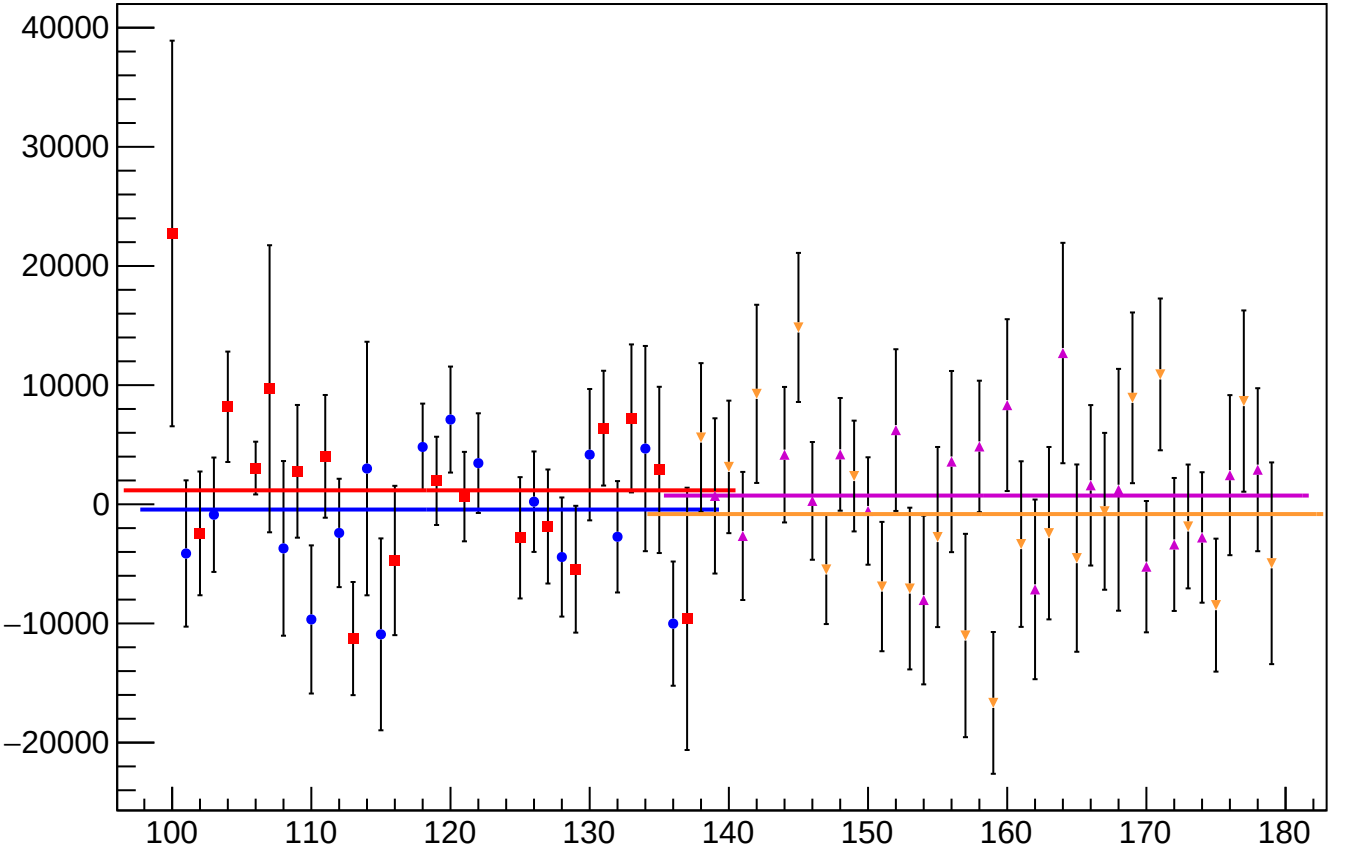
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1495.412+/-0.219 χ^2/NDF:367773.5/35

Out: 1467.092+/-0.214 χ^2/NDF:699580.5/38

All: 1480.931+/-0.153 χ^2/NDF: 1075927.1/74

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -820.631+/-1368.387 χ^2/NDF:31.2/20

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 732.520+/-1363.378 χ^2/NDF:10.5/19

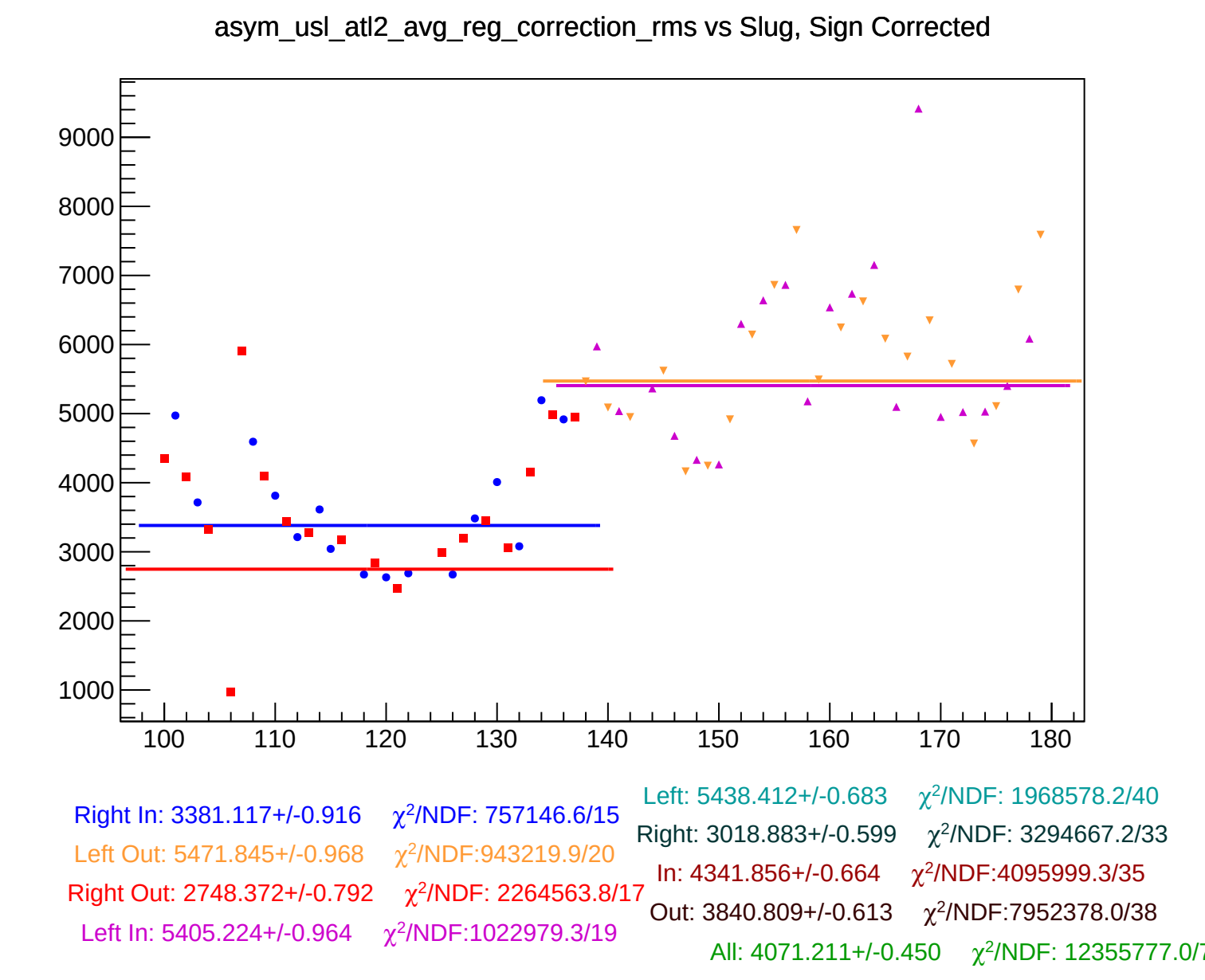
Left: -41.208+/-965.820 χ^2/NDF: 42.3/40

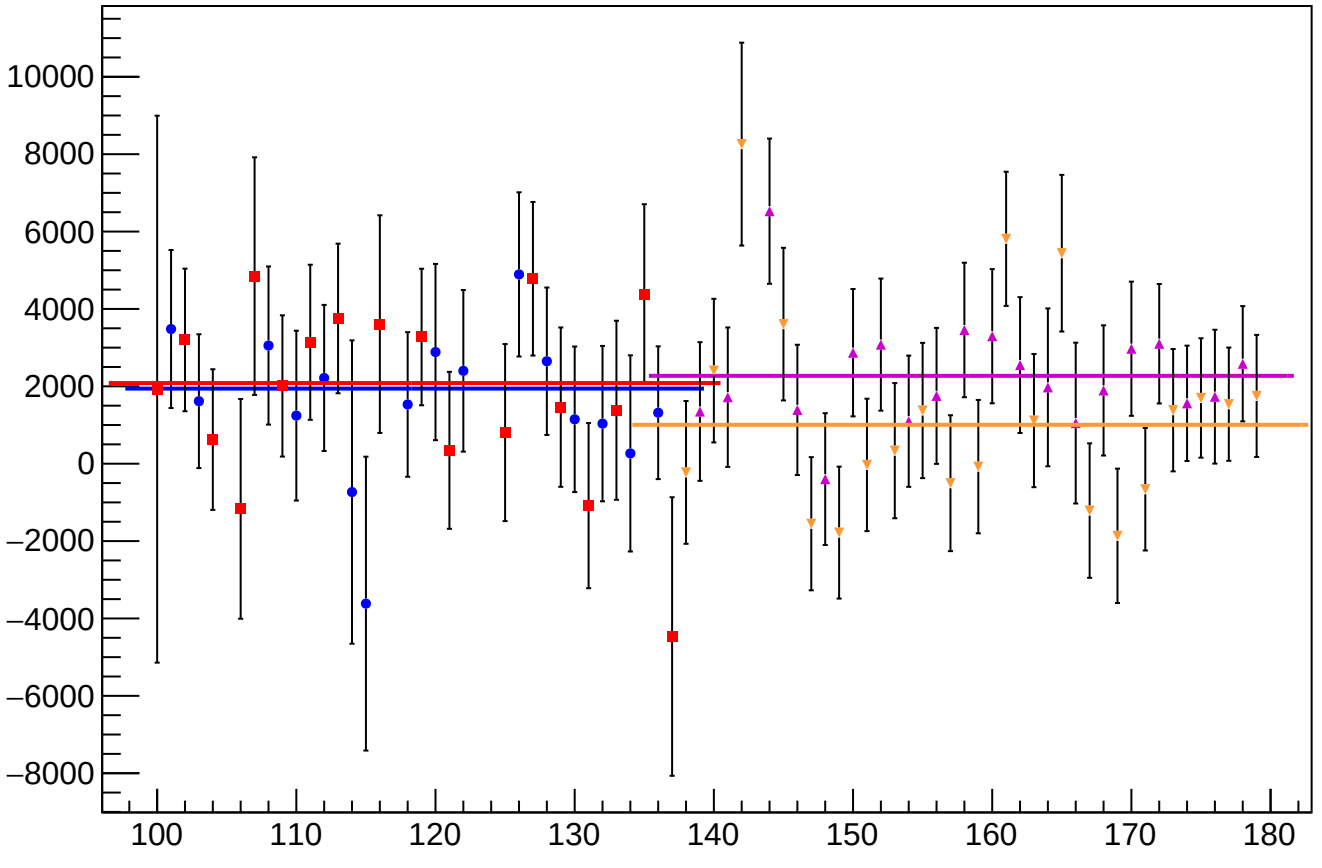
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 115.937+/-939.295 χ^2/NDF:26.8/35

Out: 372.447+/-866.653 χ^2/NDF:52.1/38

All: 254.493+/-636.951 χ^2/NDF: 78.9/74


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 3381.117+/-0.916 χ²/NDF: 757146.6/15
Left Out: 5471.845+/-0.968 χ²/NDF:943219.9/20
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5405.224+/-0.964 χ²/NDF:1022979.3/19
Left: 5438.412+/-0.683 χ²/NDF: 1968578.2/40
Right: 3018.883+/-0.599 χ²/NDF: 3294667.2/33
In: 4341.856+/-0.664 χ²/NDF:4095999.3/35
Out: 3840.809+/-0.613 χ²/NDF:7952378.0/38
All: 4071.211+/-0.450 χ²/NDF: 12355777.0/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2271.383+/-383.935 χ^2/NDF:11.2/19

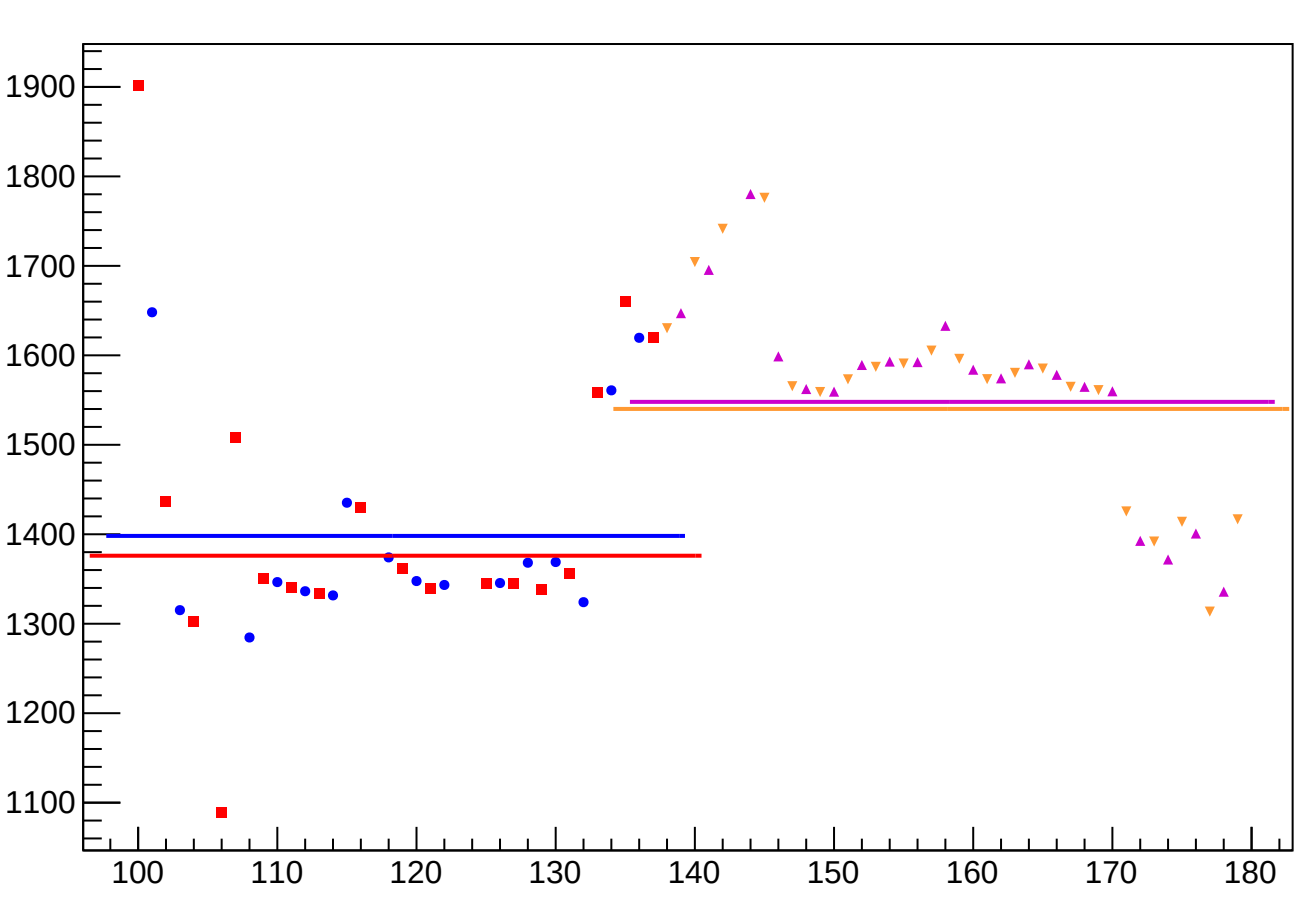
Left: 1629.215+/-269.449 χ^2/NDF: 52.3/40

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2155.460+/-309.322 χ^2/NDF:18.4/35

Out: 1379.418+/-305.799 χ^2/NDF:52.8/38

All: 1762.993+/-217.467 χ^2/NDF: 74.4/74



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

Left: 1543.983+/-0.191 χ^2/NDF: 342784.2/40

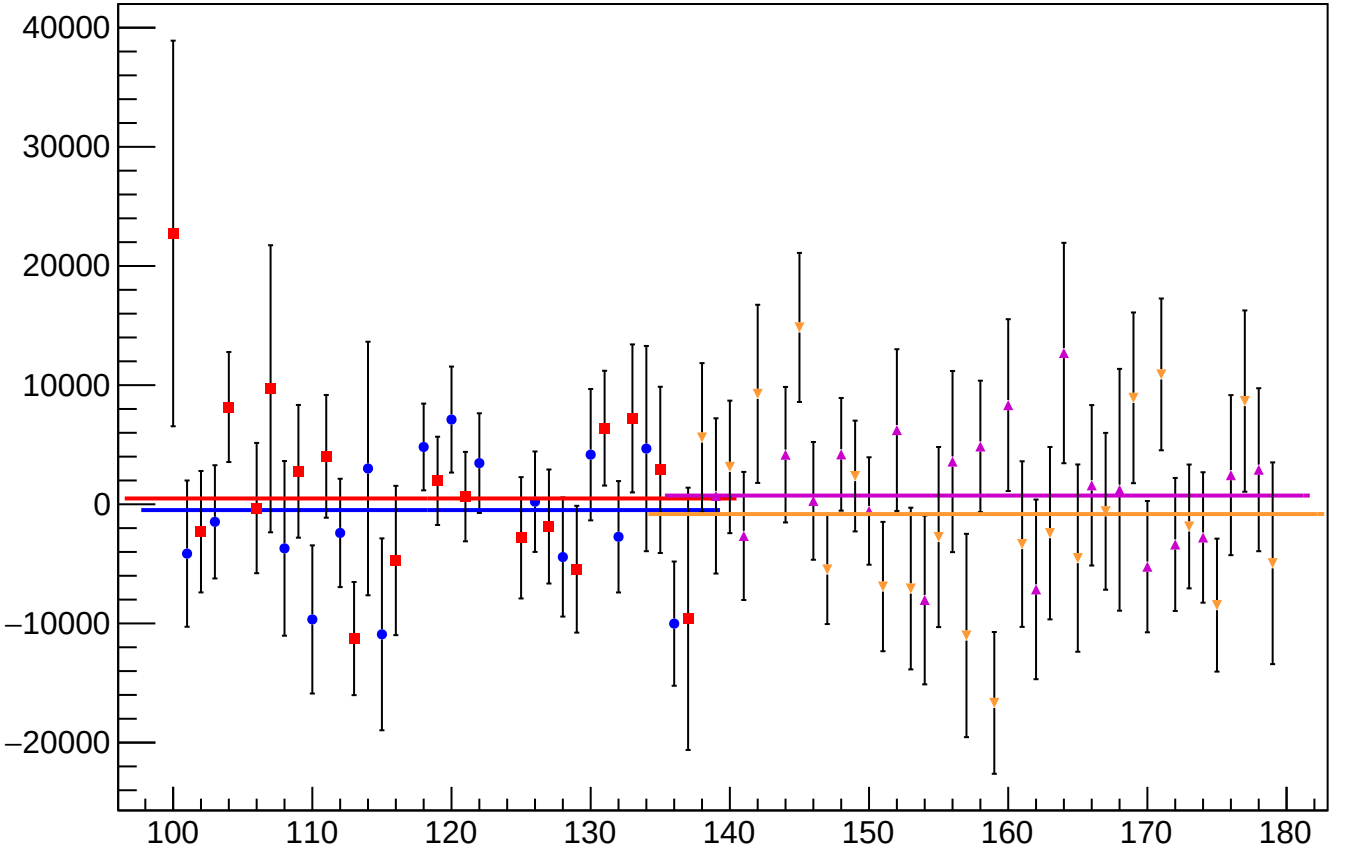
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1495.412+/-0.219 χ^2/NDF:367773.7/35

Out: 1482.266+/-0.215 χ^2/NDF:422060.3/38

All: 1488.733+/-0.153 χ^2/NDF: 791669.5/74

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -820.648+/-1368.388 χ^2/NDF:31.2/20

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 732.609+/-1363.377 χ^2/NDF:10.5/19

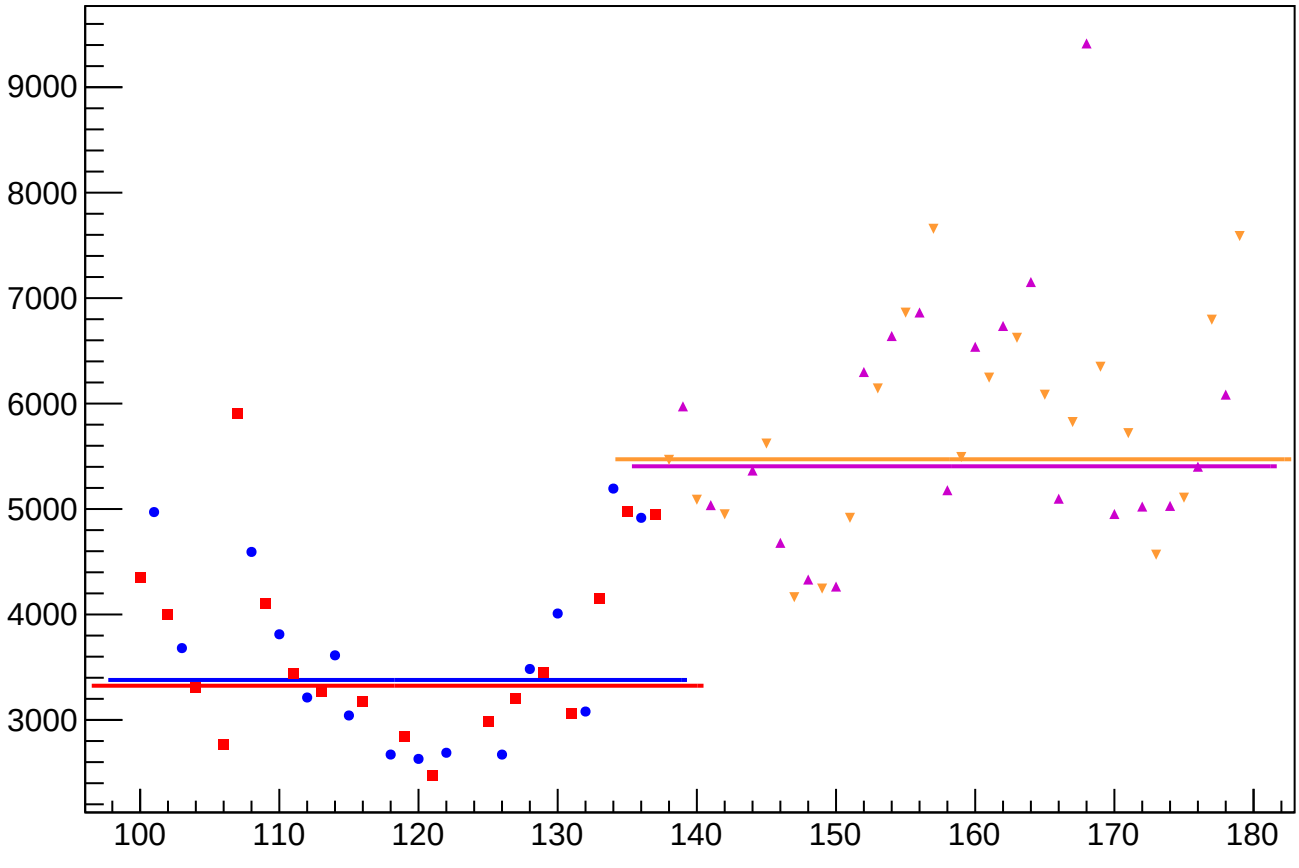
Left: -41.170+/-965.820 χ^2/NDF: 42.3/40

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 91.653+/-938.919 χ^2/NDF:26.8/35

Out: -112.807+/-927.430 χ^2/NDF:50.4/38

All: -11.836+/-659.817 χ^2/NDF: 77.3/74



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

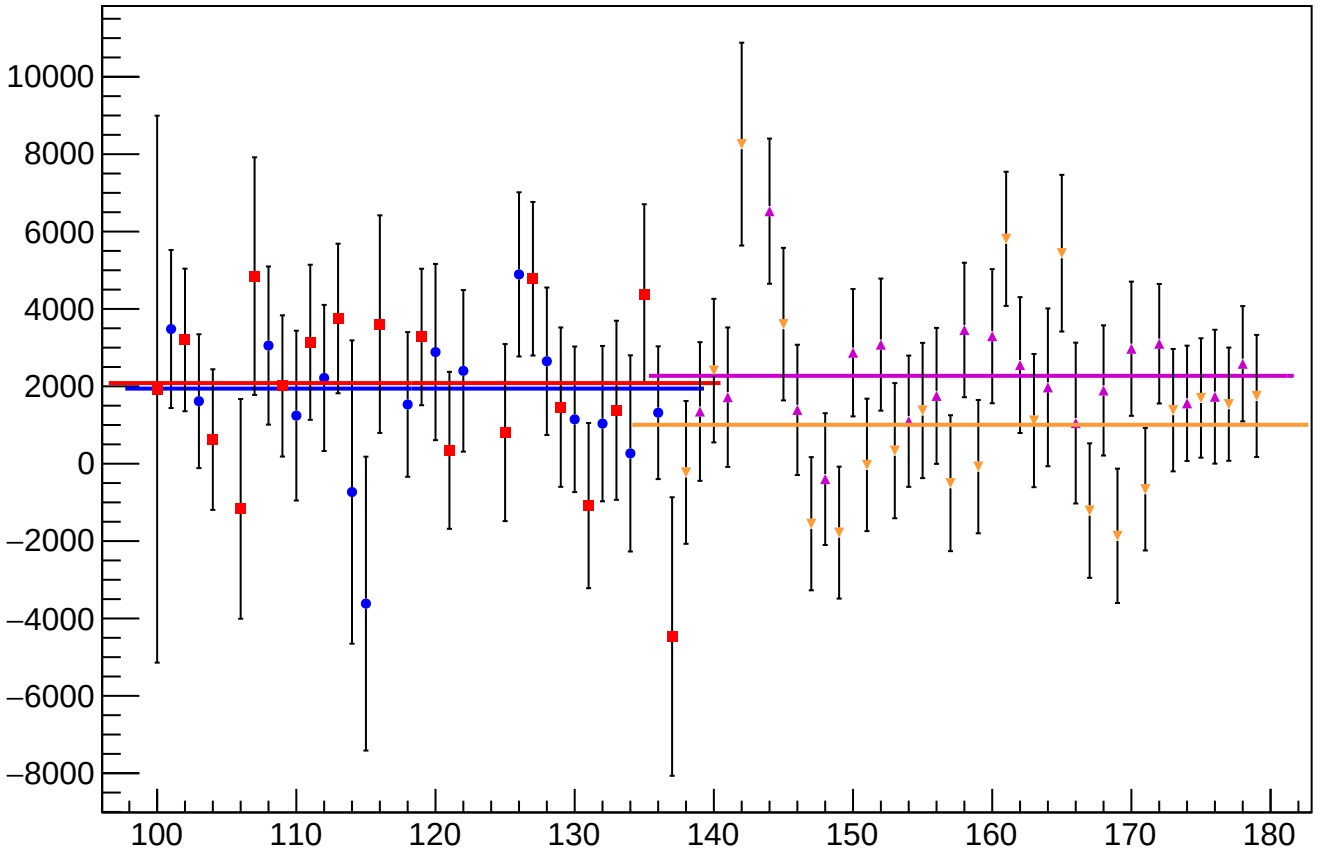
Left: 5438.412+/-0.683 χ^2/NDF: 1968583.3/40

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4340.031+/-0.664 χ^2/NDF:4100462.3/35

Out: 4310.859+/-0.656 χ^2/NDF:4149919.3/38

All: 4325.266+/-0.467 χ^2/NDF: 8251358.7/74



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1005.940+/-378.245 χ^2/NDF:35.6/20

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2271.383+/-383.935 χ^2/NDF:11.2/19

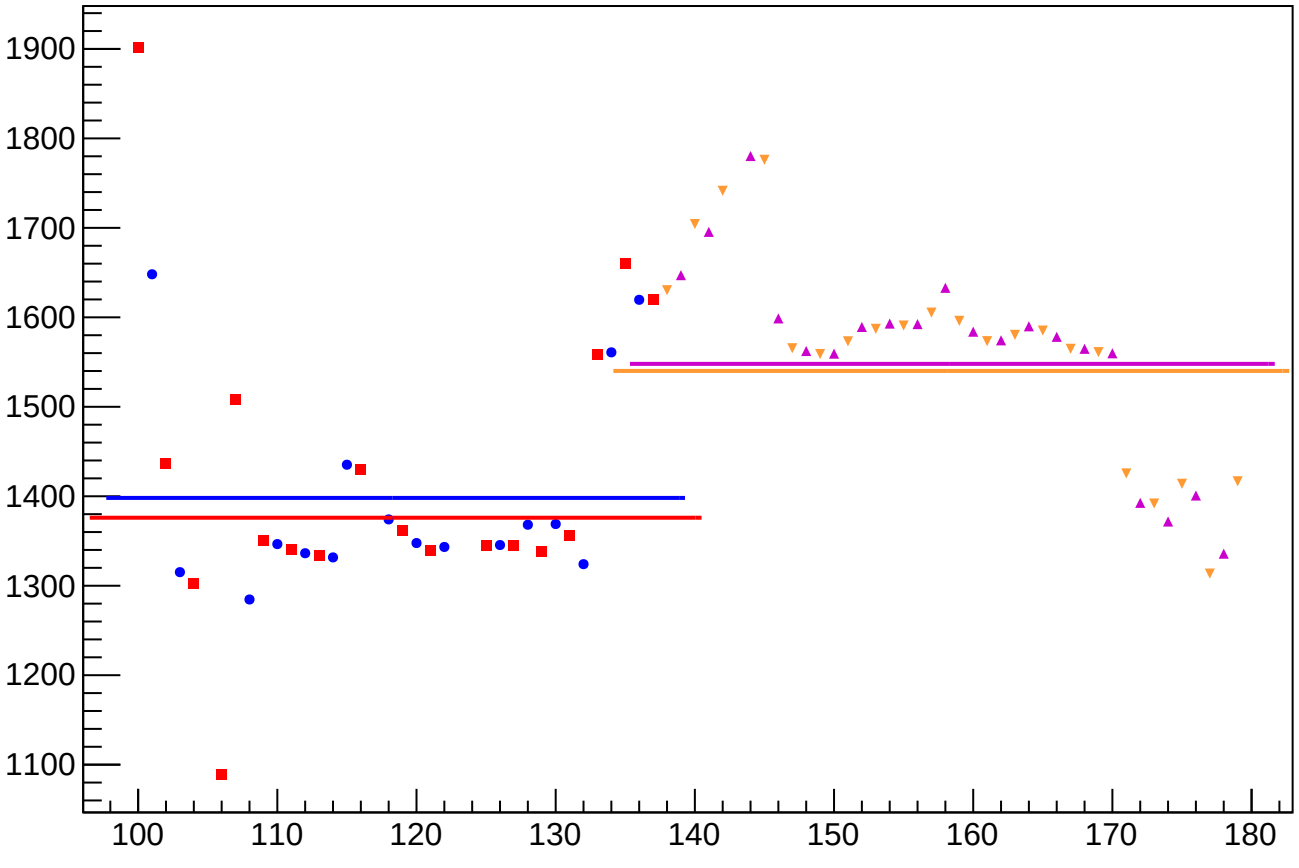
Left: 1629.215+/-269.449 χ^2/NDF: 52.3/40

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2155.460+/-309.322 χ^2/NDF:18.4/35

Out: 1379.418+/-305.799 χ^2/NDF:52.8/38

All: 1762.993+/-217.467 χ^2/NDF: 74.4/74



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1540.096+/-0.267 χ^2/NDF:175383.1/20

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1547.988+/-0.271 χ^2/NDF:166972.4/19

Left: 1543.983+/-0.191 χ^2/NDF: 342784.2/40

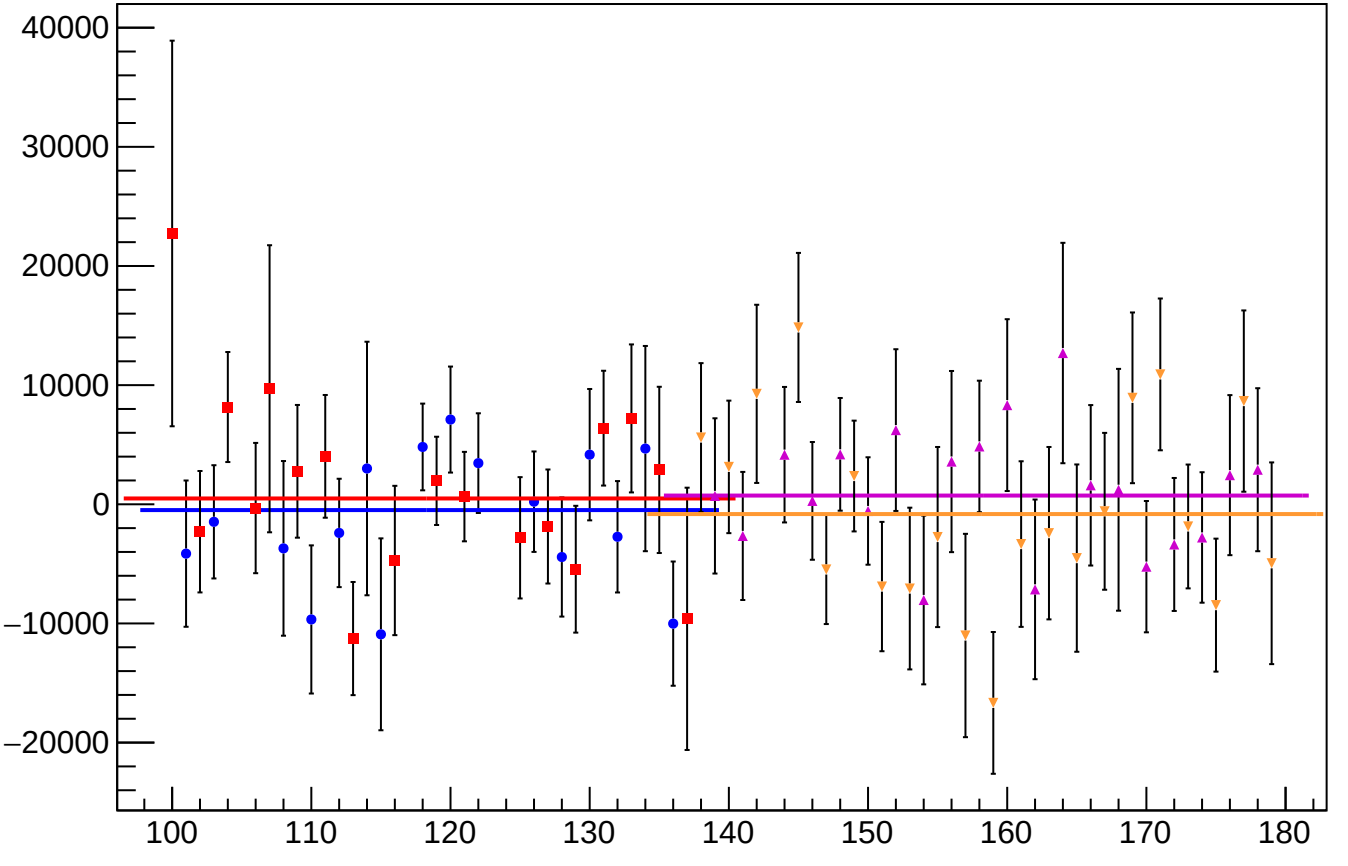
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1495.412+/-0.219 χ^2/NDF:367773.7/35

Out: 1482.266+/-0.215 χ^2/NDF:422060.3/38

All: 1488.733+/-0.153 χ^2/NDF: 791669.5/74

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -820.648+/-1368.388 χ^2/NDF:31.2/20

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 732.609+/-1363.377 χ^2/NDF:10.5/19

Left: -41.170+/-965.820 χ^2/NDF: 42.3/40

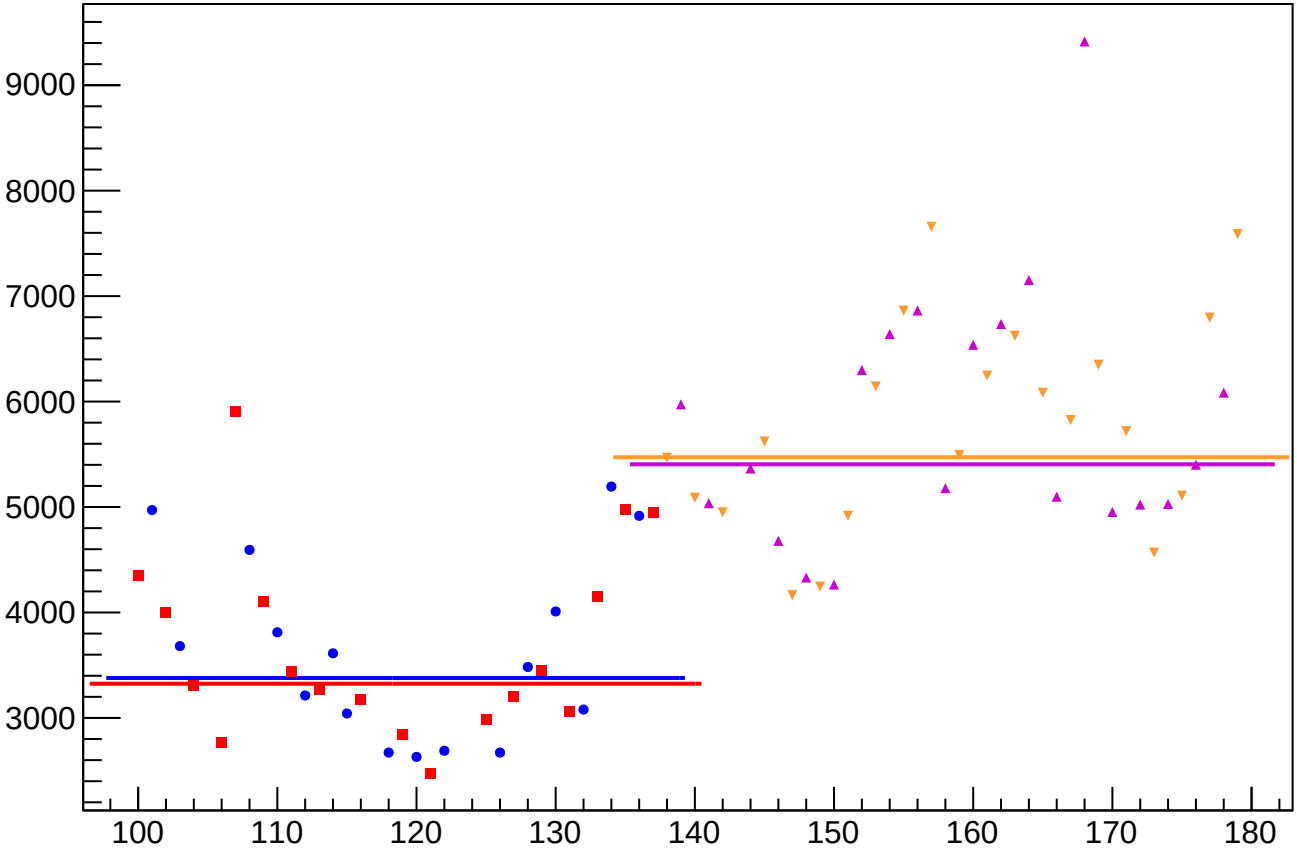
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 91.653+/-938.919 χ^2/NDF:26.8/35

Out: -112.807+/-927.430 χ^2/NDF:50.4/38

All: -11.836+/-659.817 χ^2/NDF: 77.3/74

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5471.849+/-0.968 χ^2/NDF:943215.9/20

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

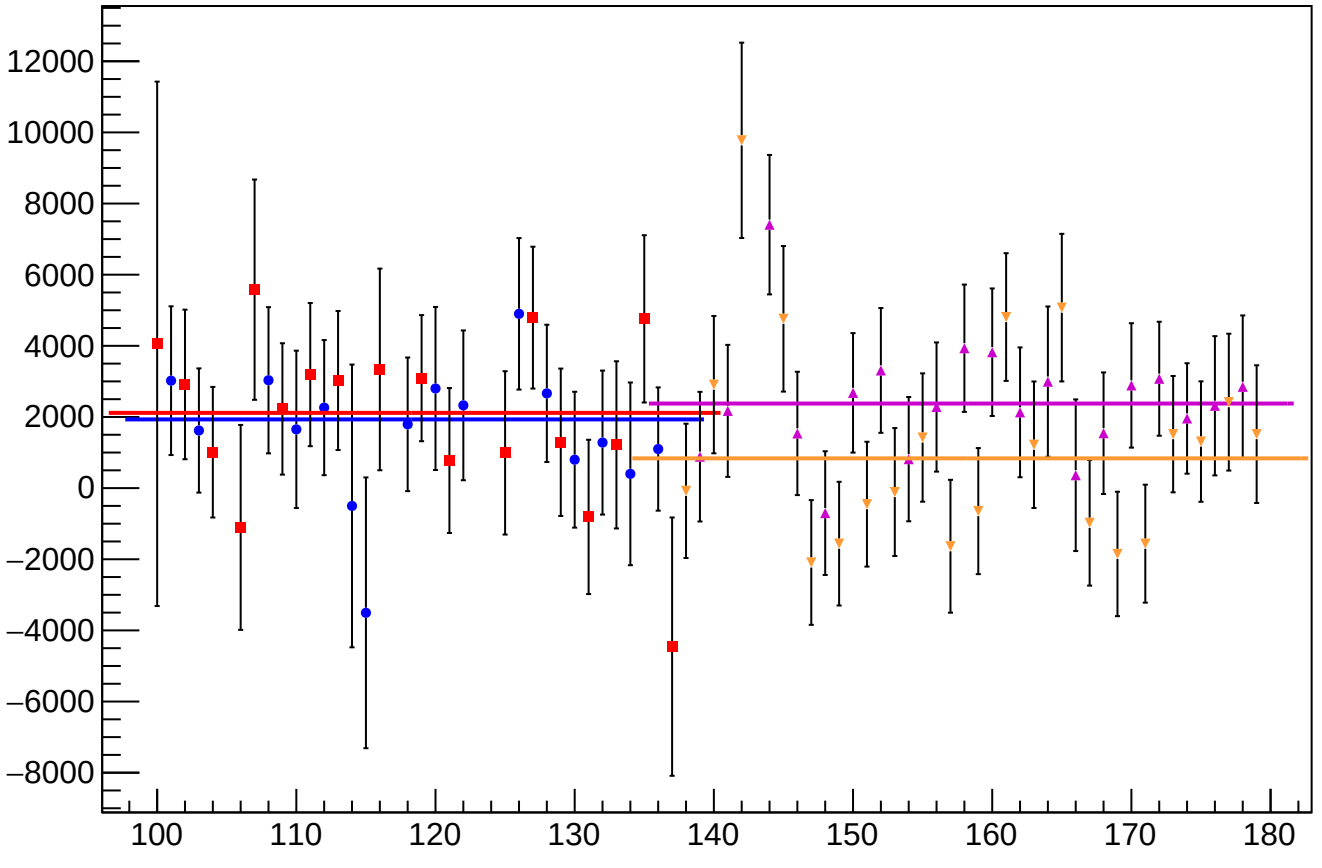
Left: 5438.412+/-0.683 χ^2/NDF: 1968583.3/40

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4340.031+/-0.664 χ^2/NDF:4100462.3/35

Out: 4310.859+/-0.656 χ^2/NDF:4149919.3/38

All: 4325.266+/-0.467 χ^2/NDF: 8251358.7/74



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.732+/-399.902 χ^2/NDF:39.4/20

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2377.863+/-402.353 χ^2/NDF:14.8/19

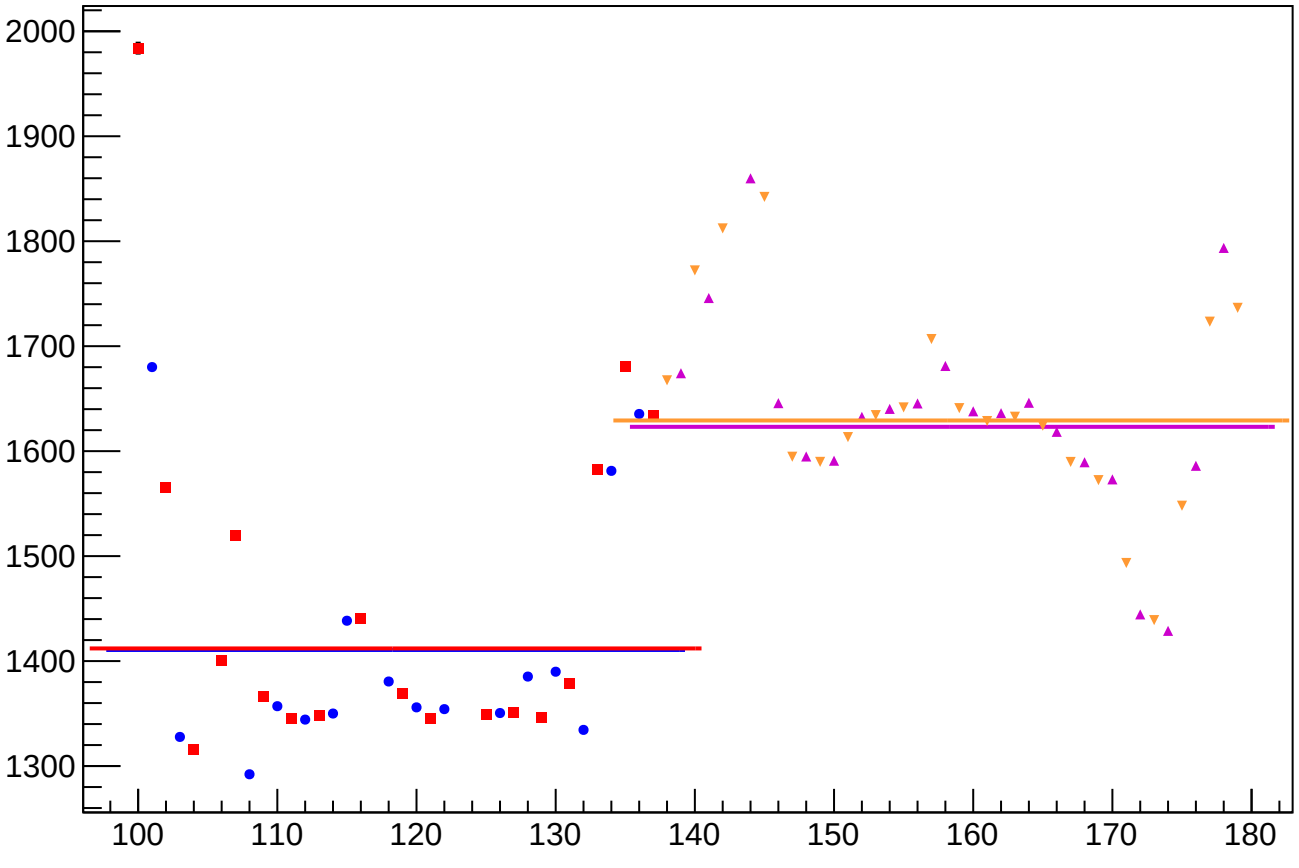
Left: 1602.588+/-283.636 χ^2/NDF: 61.6/40

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.558+/-319.832 χ^2/NDF:21.6/35

Out: 1301.871+/-318.963 χ^2/NDF:56.3/38

All: 1756.474+/-225.848 χ^2/NDF: 82.0/74



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1629.219+/-0.283 χ^2/NDF:107105.7/20

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1623.170+/-0.285 χ^2/NDF:118026.8/19

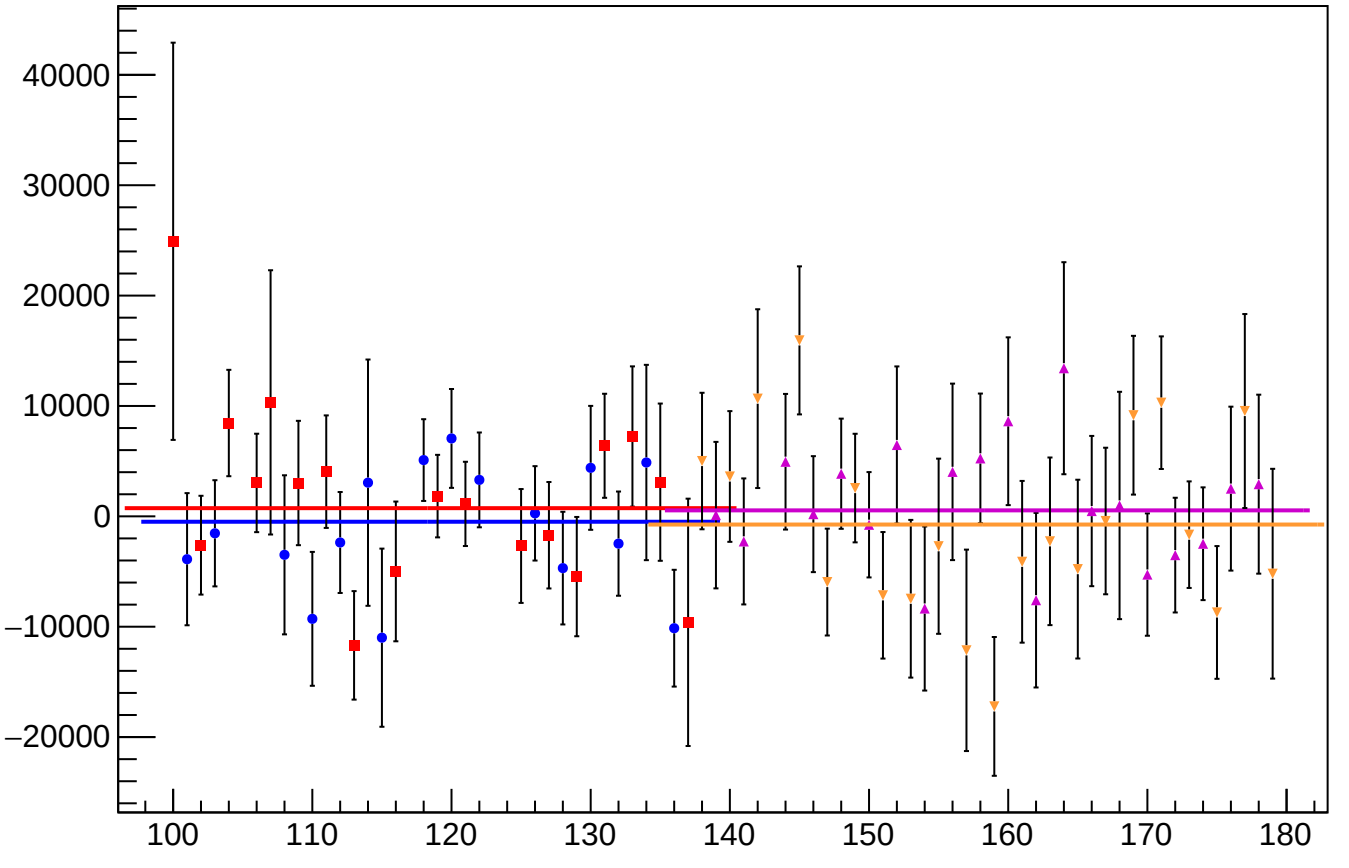
Left: 1626.213+/-0.201 χ^2/NDF: 225359.9/40

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1544.915+/-0.226 χ^2/NDF:422689.1/35

Out: 1549.938+/-0.225 χ^2/NDF:412137.3/38

All: 1547.436+/-0.160 χ^2/NDF: 835073.9/74



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -743.118+/-1421.503 χ^2/NDF:31.0/20

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 540.744+/-1415.638 χ^2/NDF:10.4/19

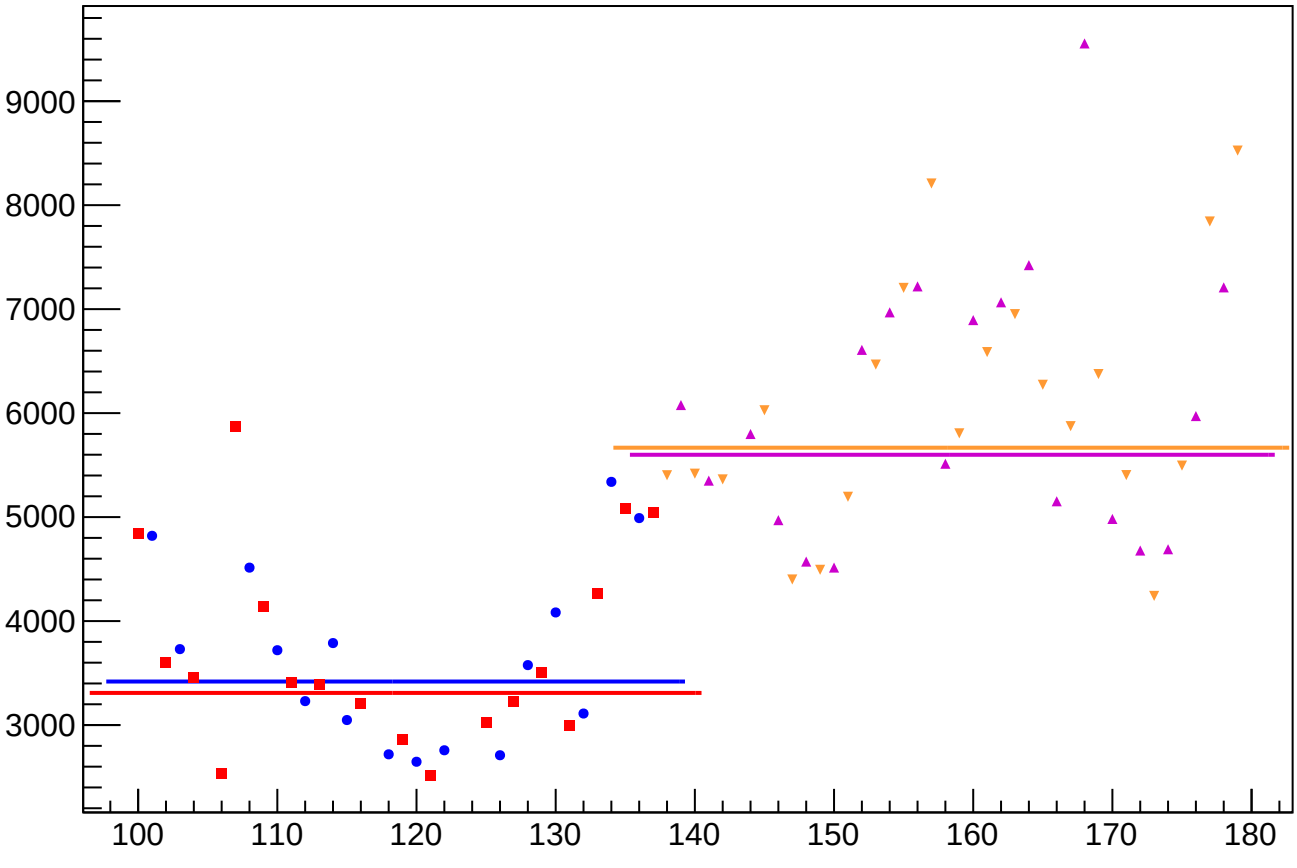
Left: -98.533+/-1003.074 χ^2/NDF: 41.8/40

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -14.706+/-960.971 χ^2/NDF:26.6/35

Out: 94.795+/-937.824 χ^2/NDF:50.8/38

All: 41.379+/-671.176 χ^2/NDF: 77.4/74



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5667.463+/-1.005 χ^2/NDF:1140994.1/20

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5599.382+/-1.001 χ^2/NDF:1160889.8/19

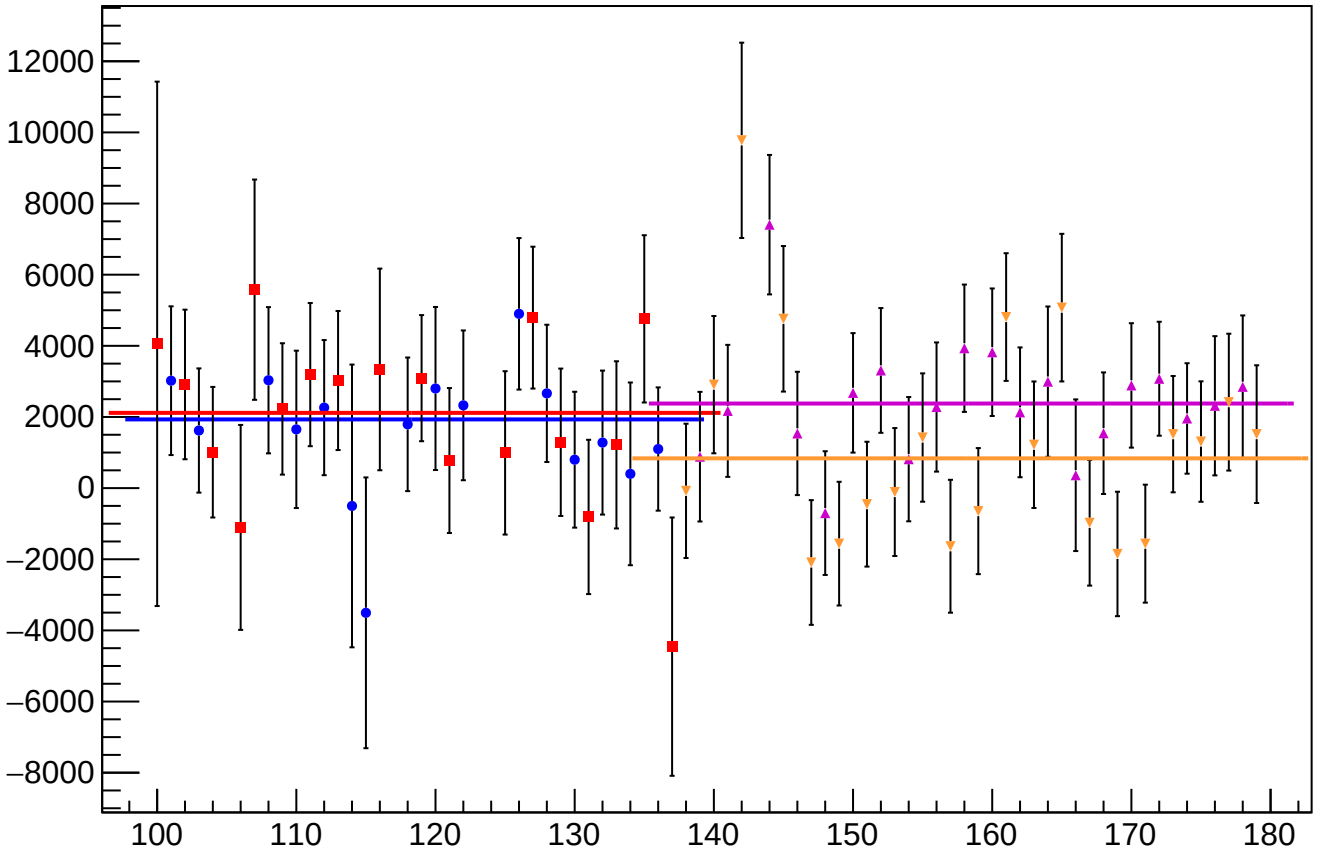
Left: 5633.282+/-0.709 χ^2/NDF: 2304187.2/40

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4423.568+/-0.680 χ^2/NDF:4441022.8/35

Out: 4335.603+/-0.663 χ^2/NDF:4821793.6/38

All: 4378.514+/-0.475 χ^2/NDF: 9271399.8/74



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 836.726+/-399.902 χ^2/NDF:39.4/20

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2377.865+/-402.354 χ^2/NDF:14.8/19

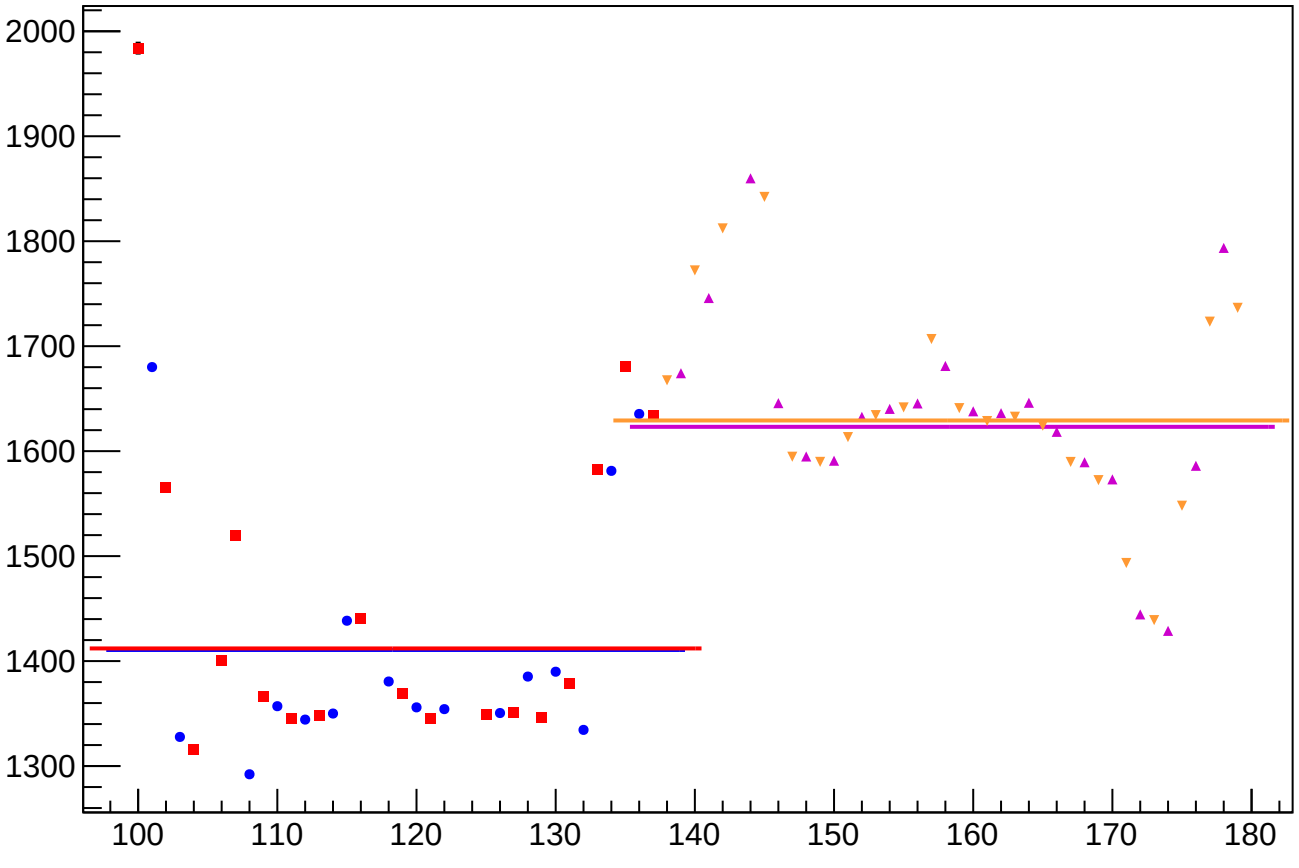
Left: 1602.586+/-283.636 χ^2/NDF: 61.6/40

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.559+/-319.832 χ^2/NDF:21.6/35

Out: 1301.868+/-318.963 χ^2/NDF:56.3/38

All: 1756.474+/-225.848 χ^2/NDF: 82.0/74



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1629.221+/-0.283 χ^2/NDF:107111.1/20

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1623.171+/-0.285 χ^2/NDF:118031.6/19

Left: 1626.214+/-0.201 χ^2/NDF: 225370.1/40

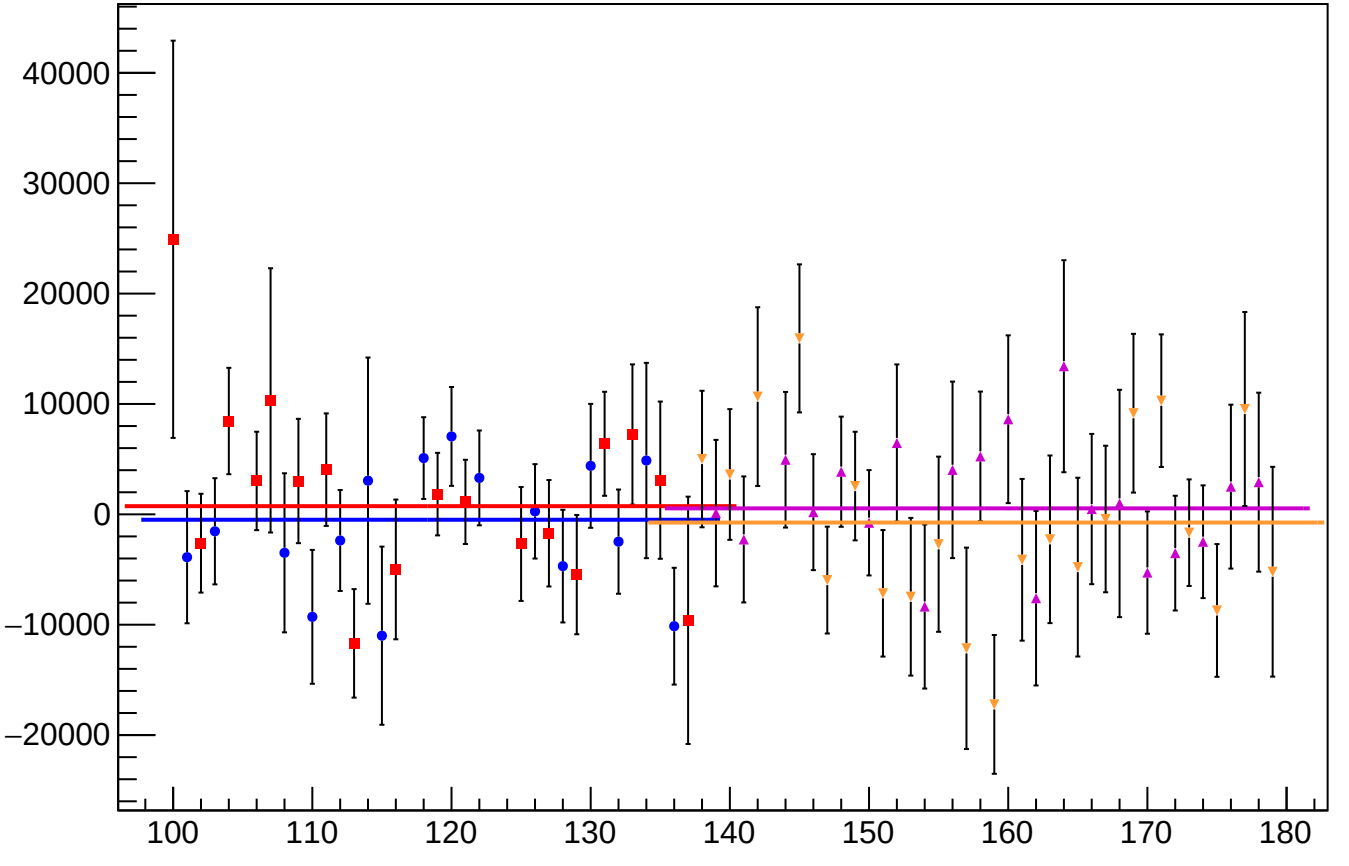
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1544.916+/-0.226 χ^2/NDF:422695.4/35

Out: 1549.938+/-0.225 χ^2/NDF:412145.4/38

All: 1547.436+/-0.160 χ^2/NDF: 835088.3/74

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -743.124+/-1421.506 χ^2/NDF:31.0/20

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 540.745+/-1415.640 χ^2/NDF:10.4/19

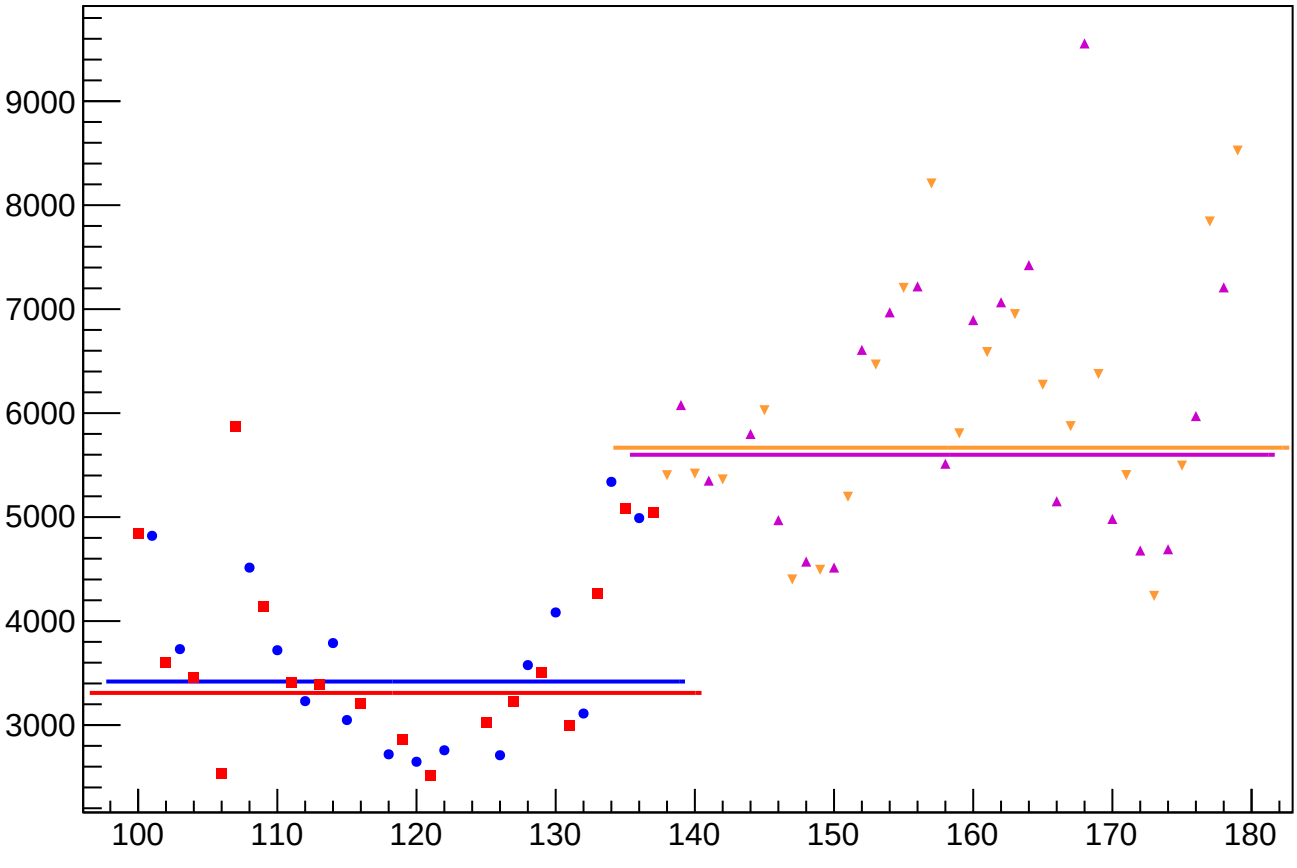
Left: -98.535+/-1003.076 χ^2/NDF: 41.8/40

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -14.704+/-960.971 χ^2/NDF:26.6/35

Out: 94.797+/-937.823 χ^2/NDF:50.8/38

All: 41.381+/-671.175 χ^2/NDF: 77.4/74



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5667.472+/-1.005 χ^2/NDF:1140995.0/20

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5599.390+/-1.001 χ^2/NDF:1160890.8/19

Left: 5633.290+/-0.709 χ^2/NDF: 2304189.1/40

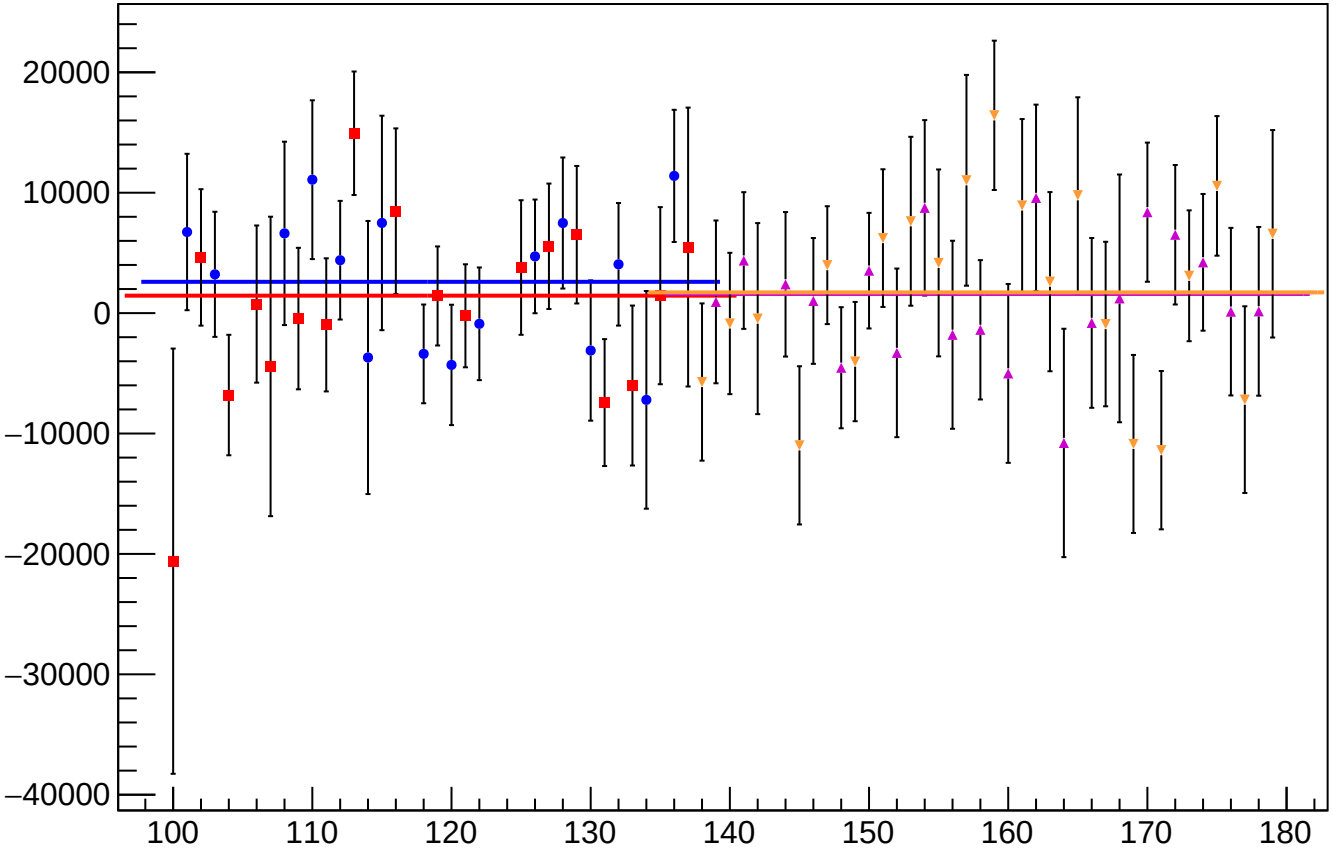
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4423.561+/-0.680 χ^2/NDF:4441081.4/35

Out: 4335.597+/-0.663 χ^2/NDF:4821851.3/38

All: 4378.507+/-0.475 χ^2/NDF: 9271516.0/74

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1721.365+/-1428.993 χ^2/NDF:28.1/20

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1592.439+/-1424.330 χ^2/NDF:9.9/19

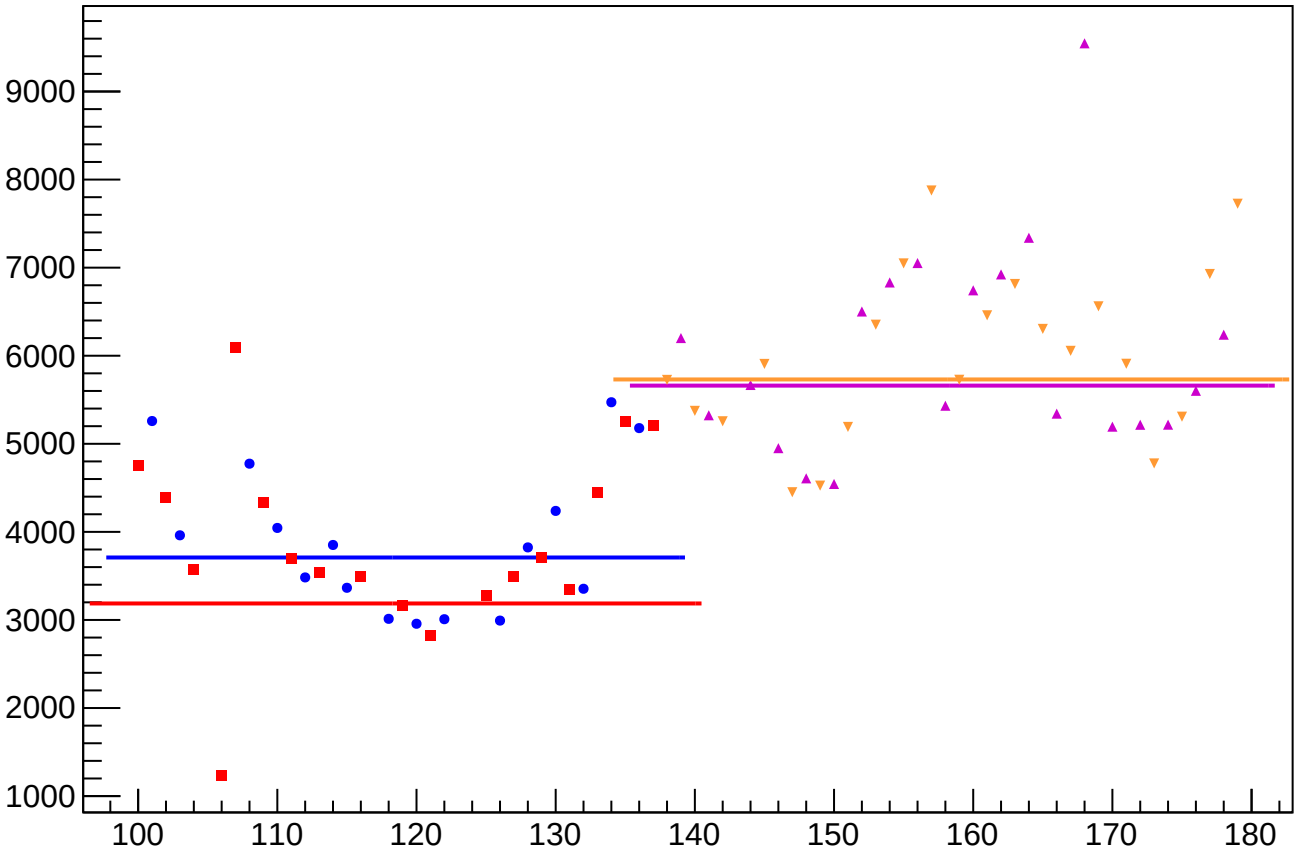
Left: 1656.691+/-1008.798 χ^2/NDF: 38.0/40

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2099.518+/-1003.659 χ^2/NDF:23.6/35

Out: 1581.443+/-993.723 χ^2/NDF:47.2/38

All: 1837.904+/-706.155 χ^2/NDF: 70.9/74



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5730.639+/-1.010 χ^2/NDF:813932.2/20

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5660.698+/-1.007 χ^2/NDF:898084.5/19

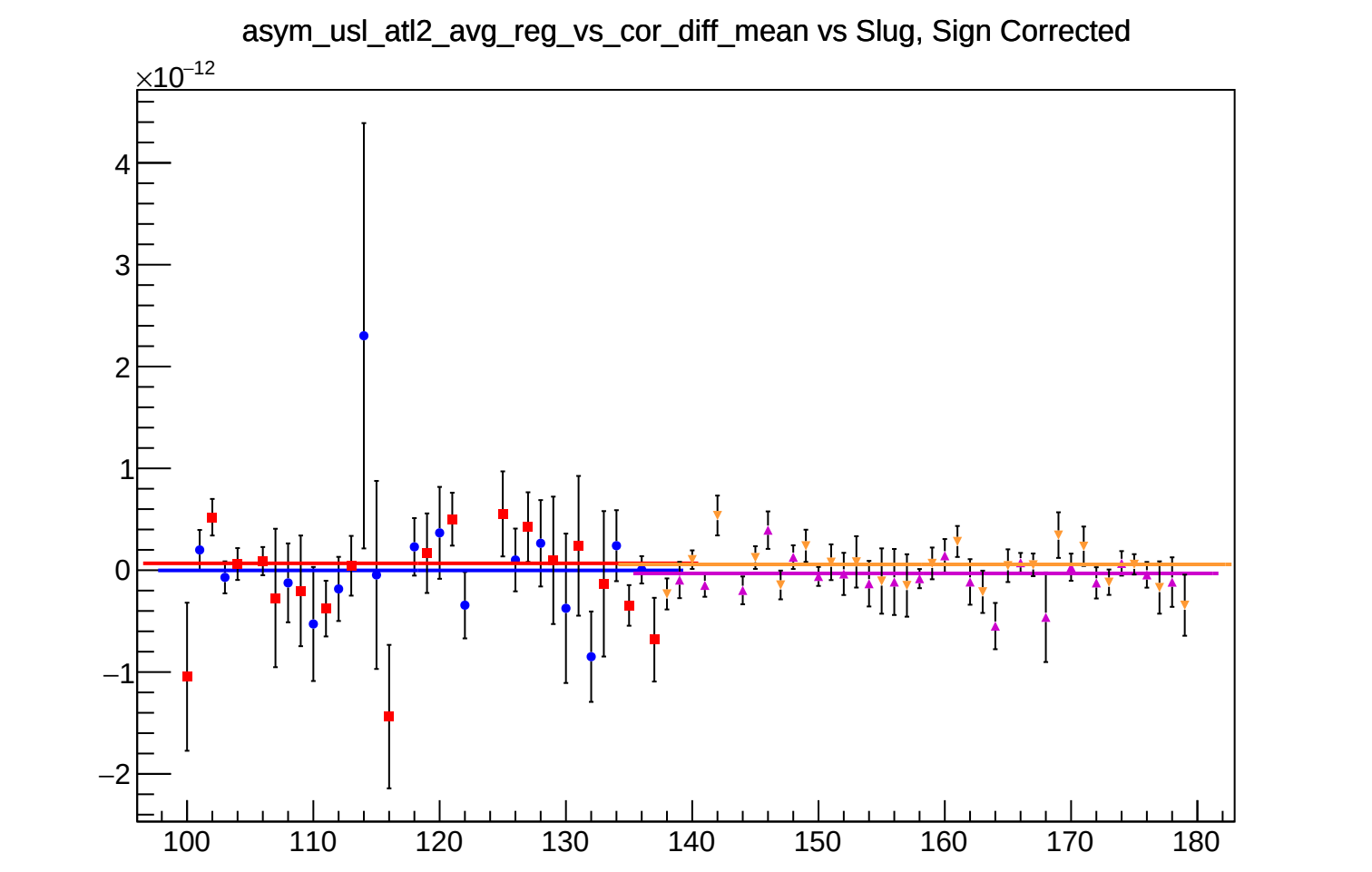
Left: 5695.554+/-0.713 χ^2/NDF: 1714420.1/40

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4678.166+/-0.710 χ^2/NDF:3399035.4/35

Out: 4306.165+/-0.670 χ^2/NDF:5973269.3/38

All: 4481.531+/-0.487 χ^2/NDF: 9517536.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:20.6/19

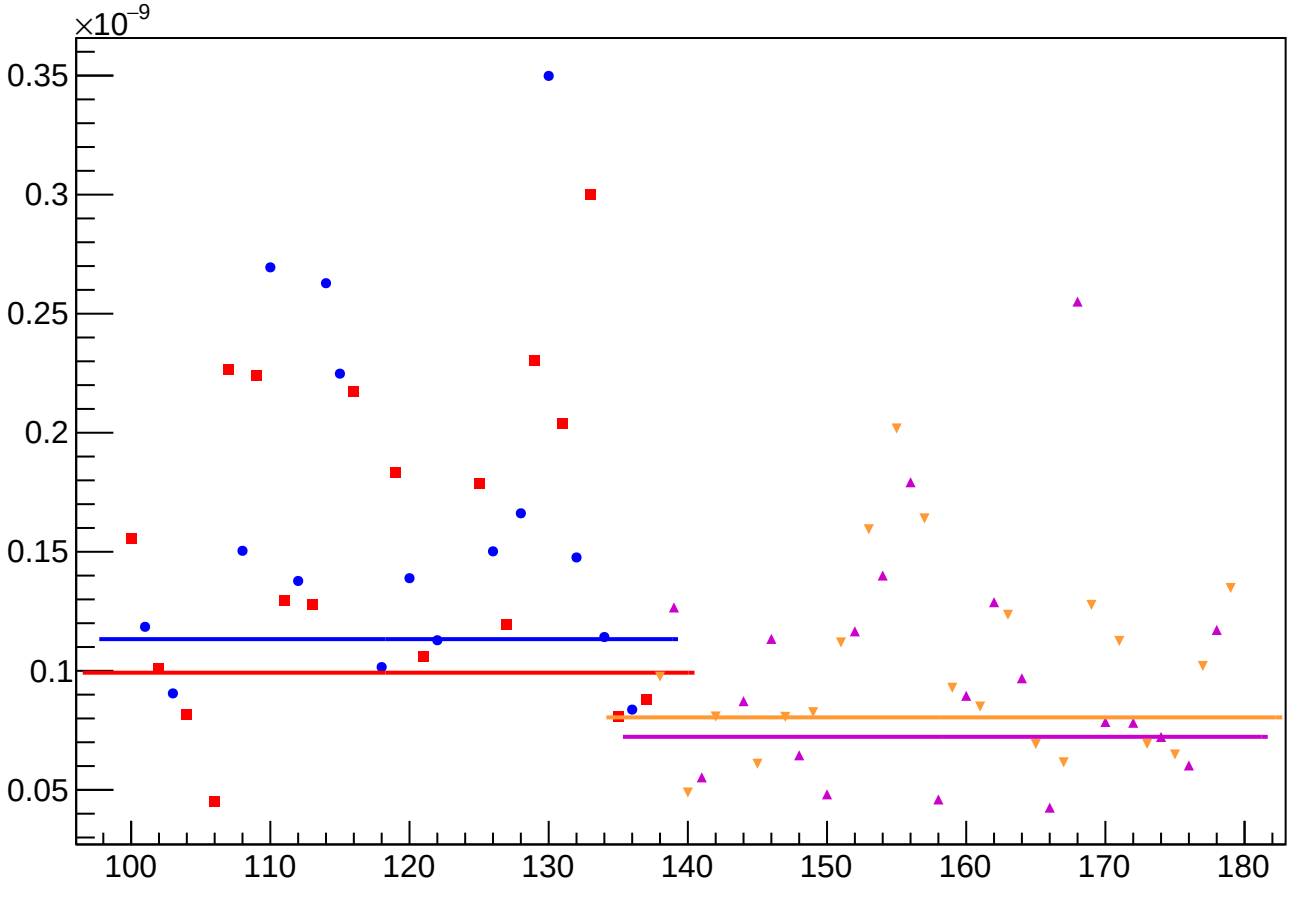
Left: 0.000+/-0.000 χ^2/NDF: 49.6/40

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:31.8/35

Out: 0.000+/-0.000 χ^2/NDF:54.8/38

All: 0.000+/-0.000 χ^2/NDF: 90.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1479196.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1954231.7/19

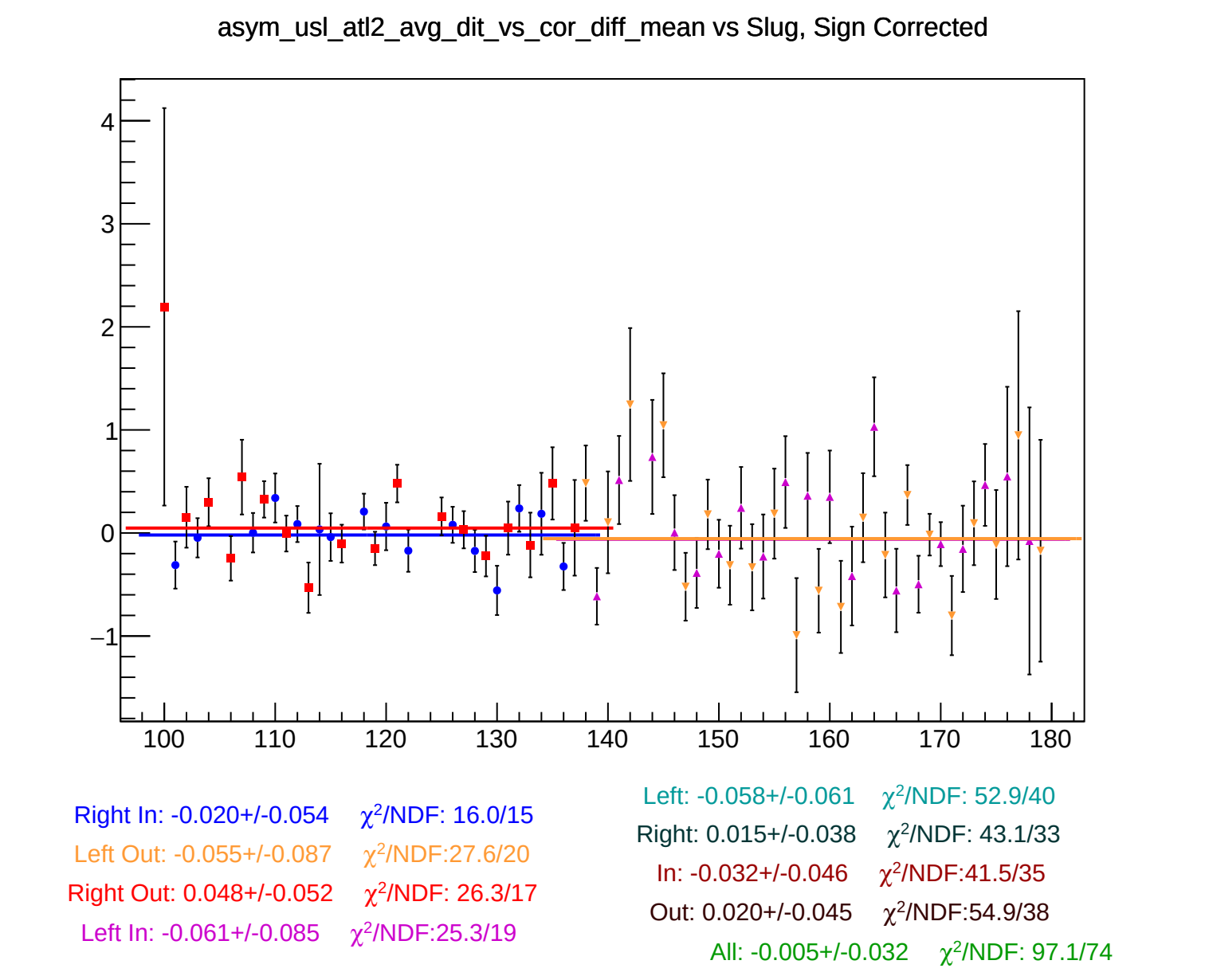
Left: 0.000+/-0.000 χ^2/NDF: 3495979.3/40

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3173536.8/35

Out: 0.000+/-0.000 χ^2/NDF:2709717.2/38

All: 0.000+/-0.000 χ^2/NDF: 5913032.5/74


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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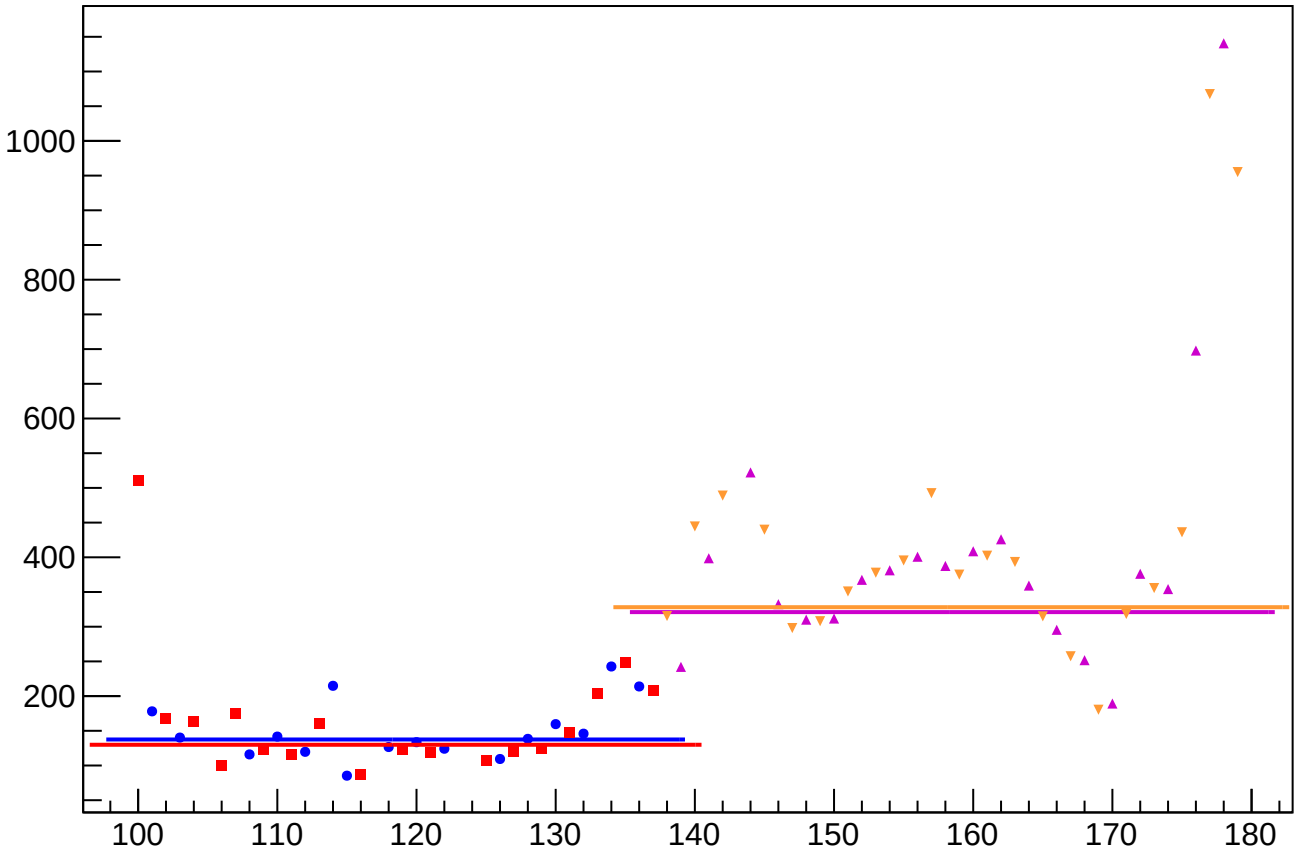
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.055+/-0.087 χ²/NDF:27.6/20
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.061+/-0.085 χ²/NDF:25.3/19
Left: -0.058+/-0.061 χ²/NDF: 52.9/40
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/35
Out: 0.020+/-0.045 χ²/NDF:54.9/38
All: -0.005+/-0.032 χ²/NDF: 97.1/74



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 328.110+/-0.061 χ^2/NDF:3429207.3/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 321.032+/-0.060 χ^2/NDF:2993056.0/19

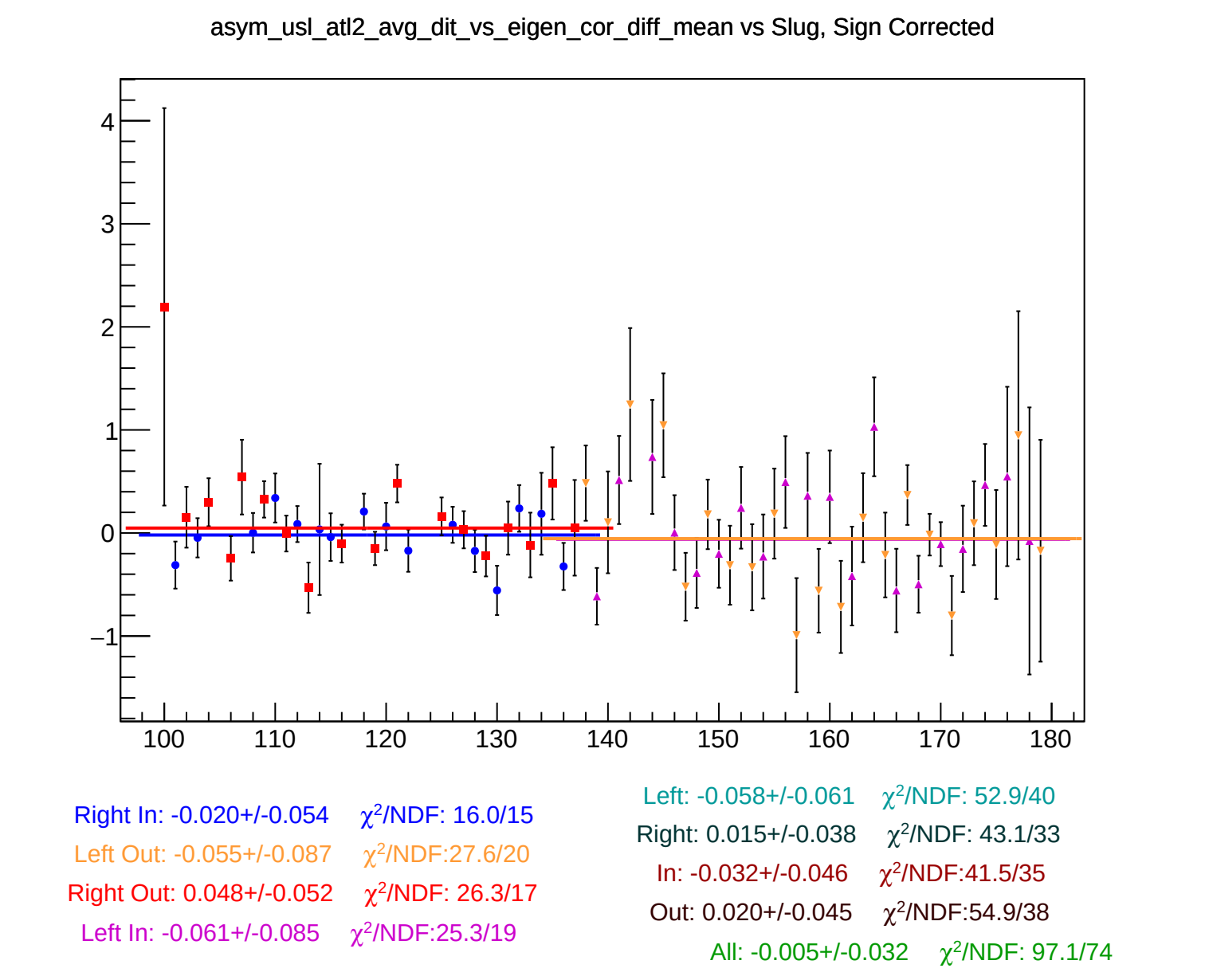
Left: 324.488+/-0.043 χ^2/NDF: 6429082.1/40

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 190.821+/-0.032 χ^2/NDF:10348348.8/35

Out: 183.044+/-0.032 χ^2/NDF:11910710.4/38

All: 186.868+/-0.023 χ^2/NDF: 22288550.3/74


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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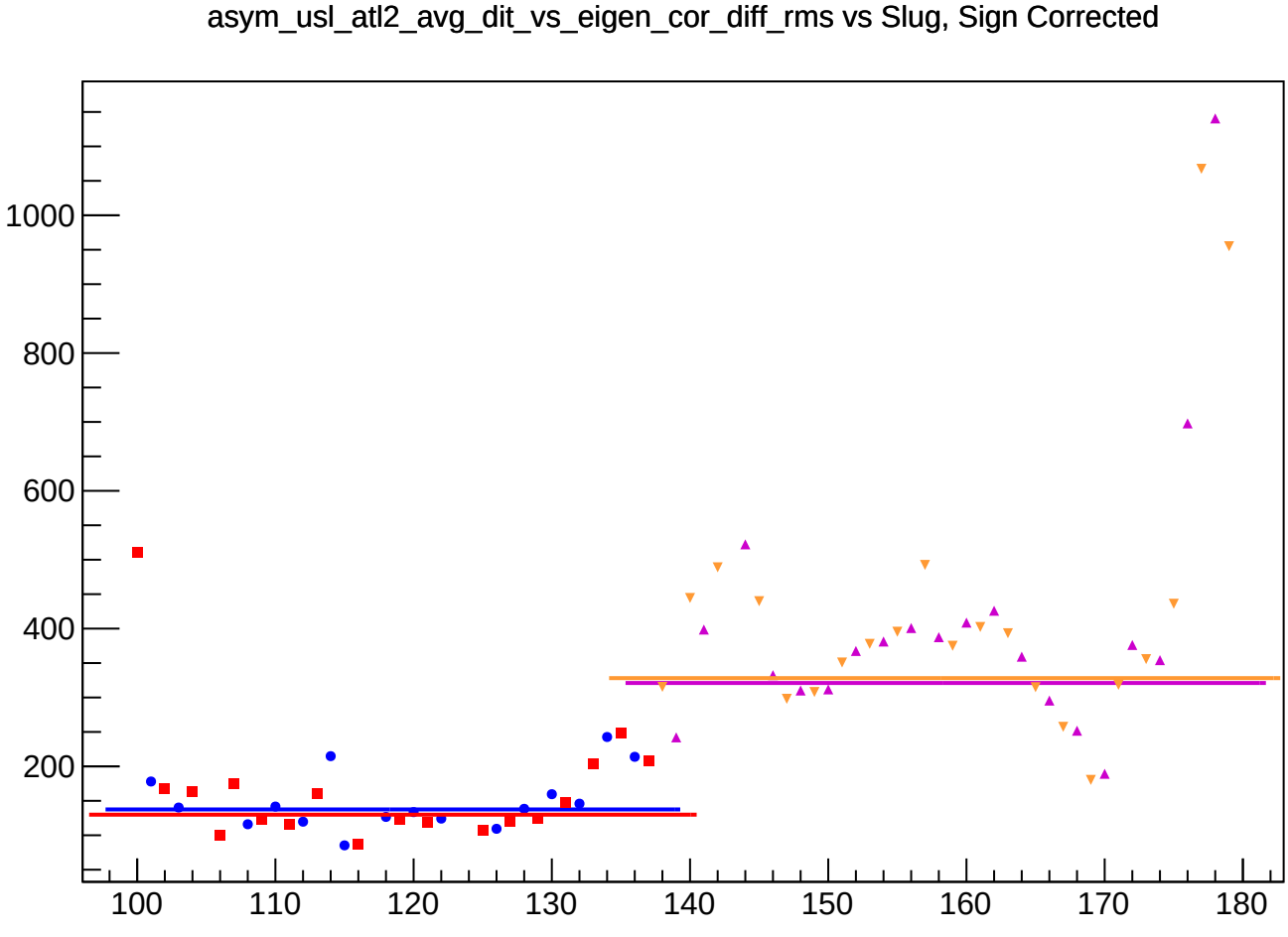
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.055+/-0.087 χ²/NDF:27.6/20
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.061+/-0.085 χ²/NDF:25.3/19
Left: -0.058+/-0.061 χ²/NDF: 52.9/40
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/35
Out: 0.020+/-0.045 χ²/NDF:54.9/38
All: -0.005+/-0.032 χ²/NDF: 97.1/74


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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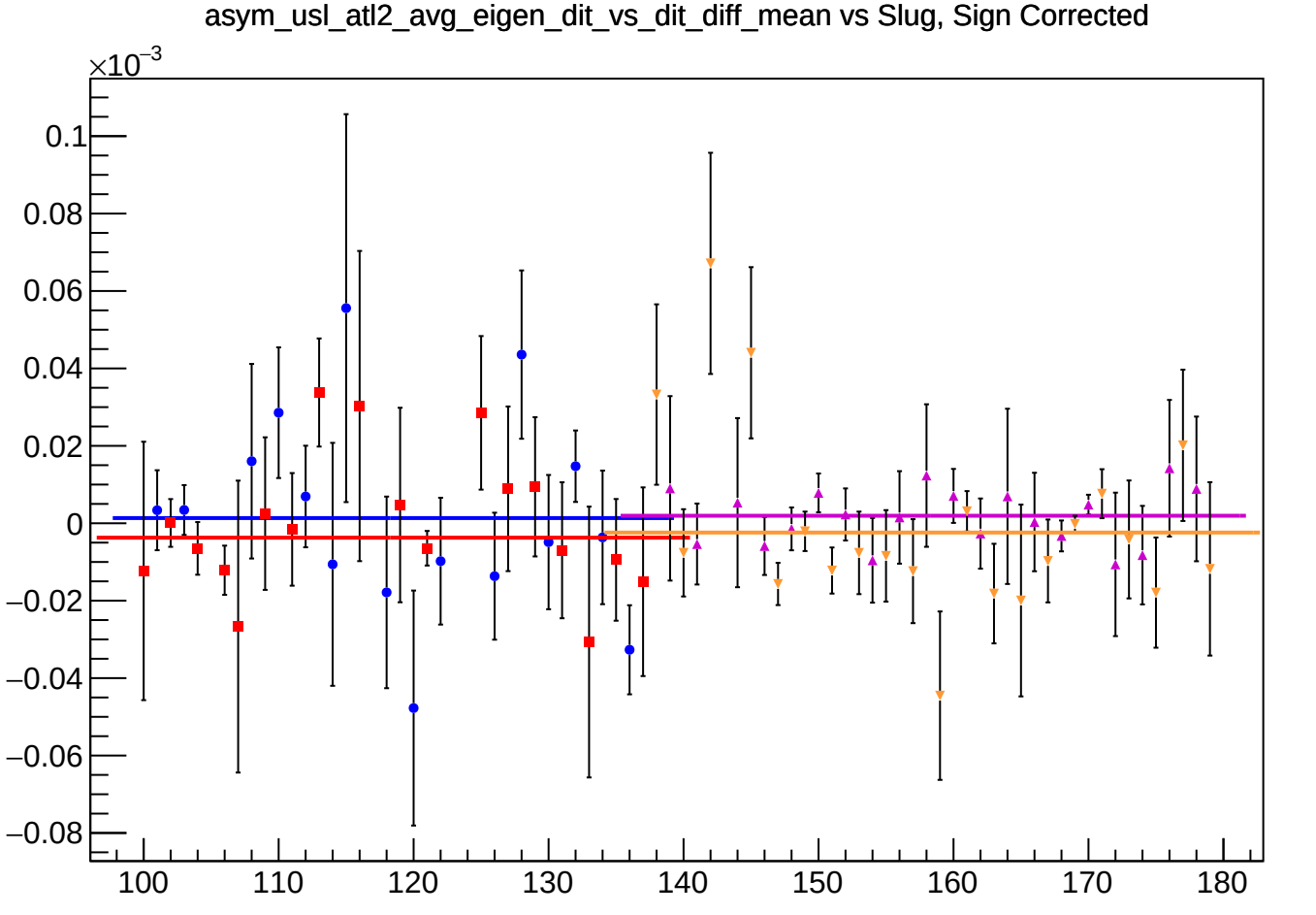
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 328.110+/-0.061 χ²/NDF:3429207.3/20
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 321.032+/-0.060 χ²/NDF:2993056.0/19
Left: 324.488+/-0.043 χ²/NDF: 6429082.1/40
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 190.821+/-0.032 χ²/NDF:10348348.8/35
Out: 183.044+/-0.032 χ²/NDF:11910710.4/38
All: 186.868+/-0.023 χ²/NDF: 22288550.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/19

Left: -0.000+/-0.000 χ^2/NDF: 50.9/40

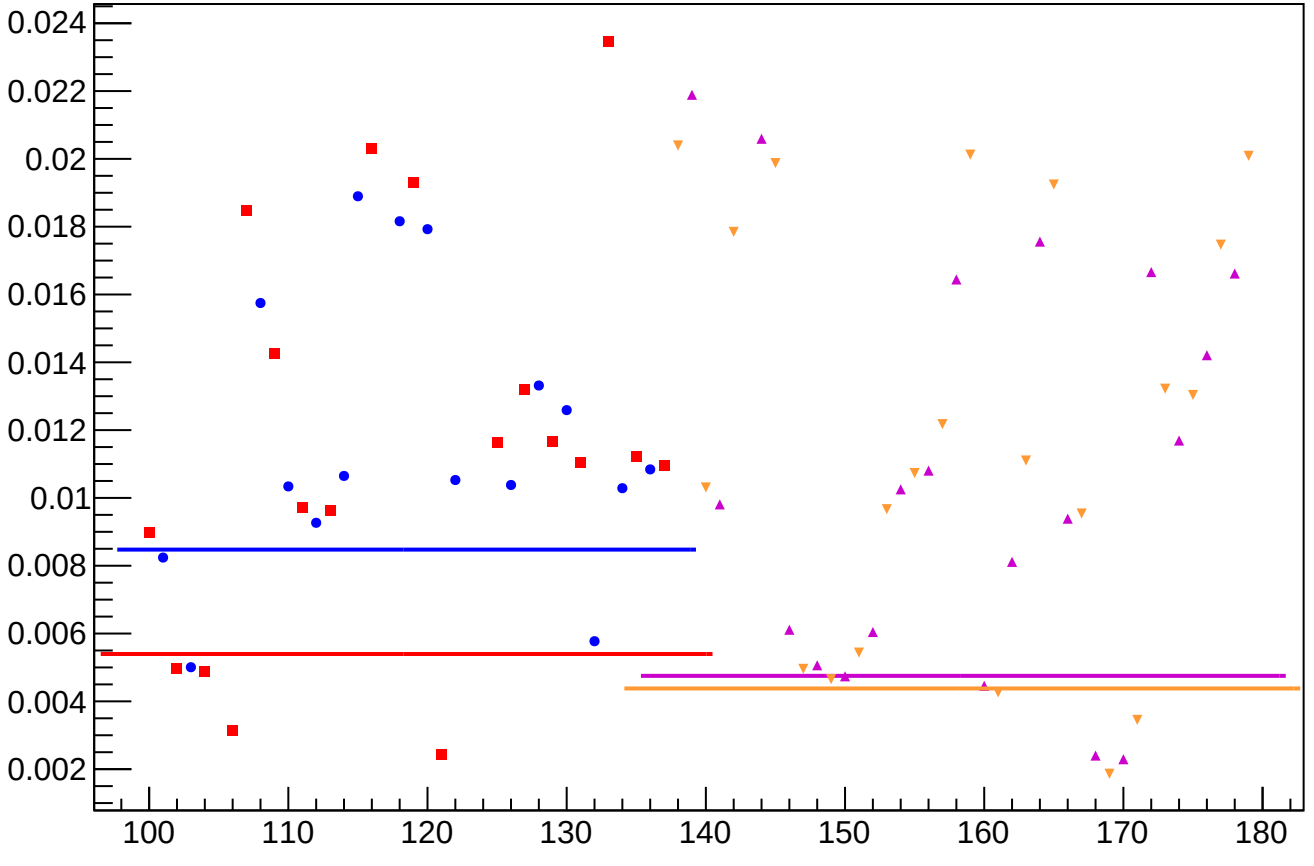
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:34.4/35

Out: -0.000+/-0.000 χ^2/NDF:52.3/38

All: -0.000+/-0.000 χ^2/NDF: 92.5/74

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:13803515.0/20

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:11067687.2/19

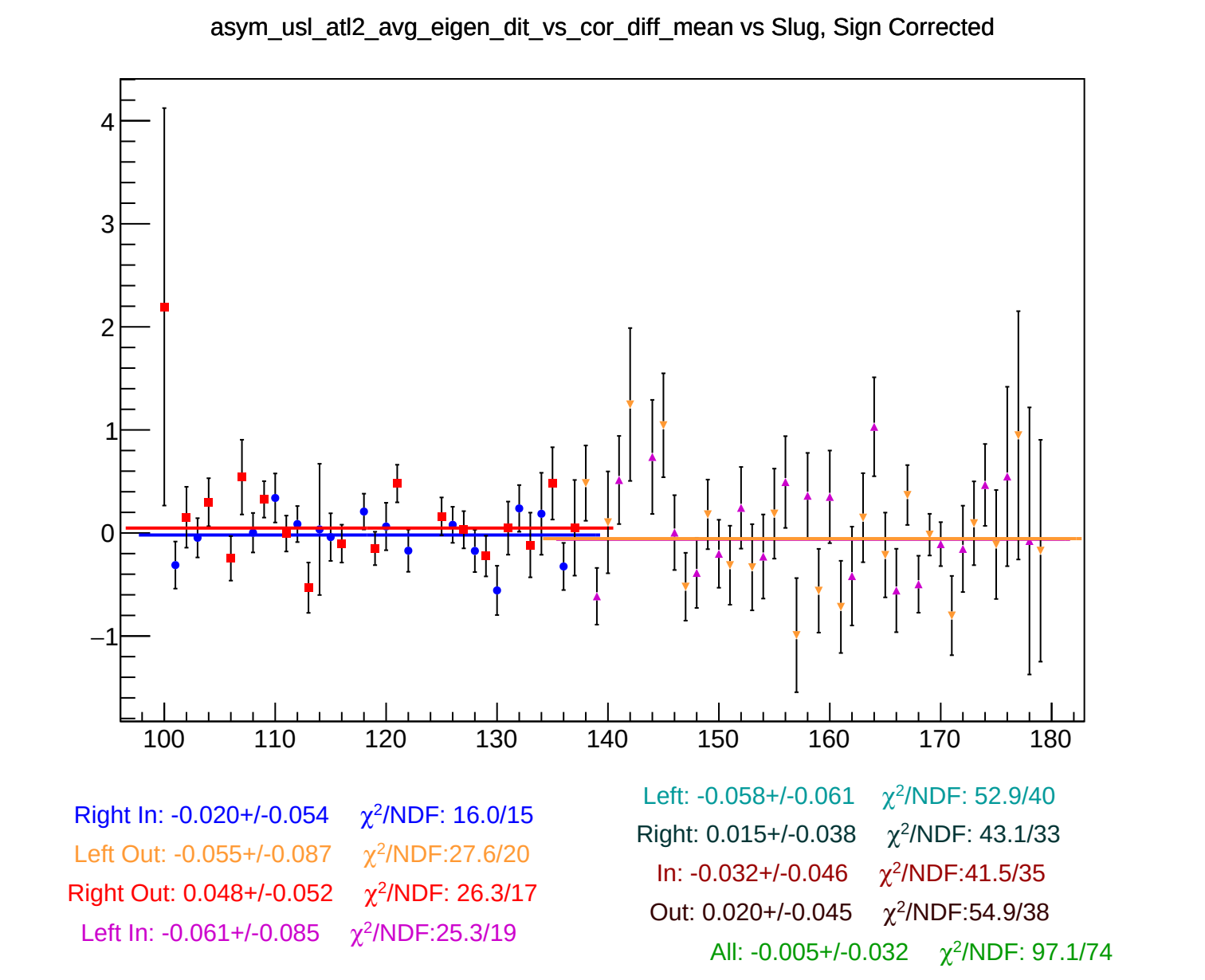
Left: 0.005+/-0.000 χ^2/NDF: 24931593.1/40

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:14933777.9/35

Out: 0.005+/-0.000 χ^2/NDF:18953882.7/38

All: 0.005+/-0.000 χ^2/NDF: 34189720.6/74


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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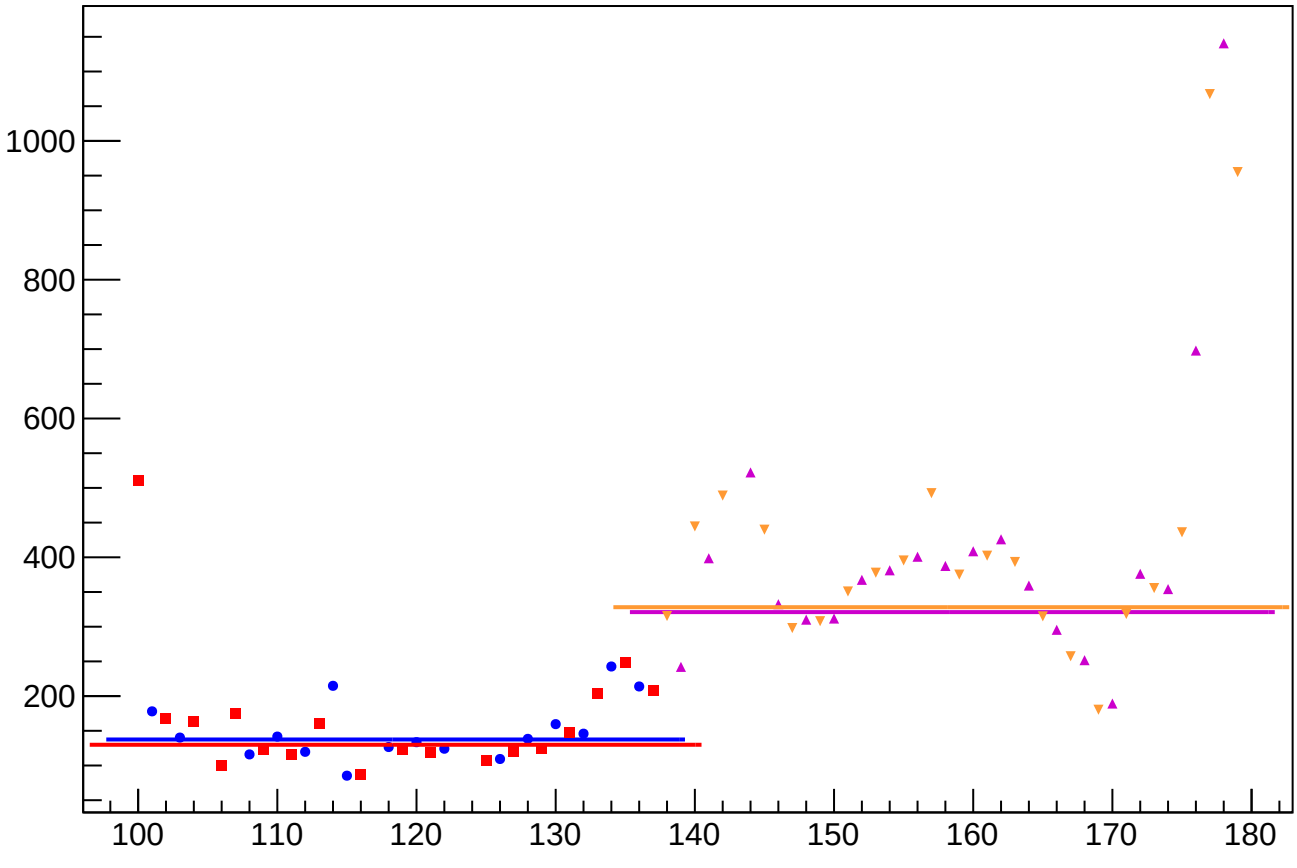
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.055+/-0.087 χ²/NDF:27.6/20
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.061+/-0.085 χ²/NDF:25.3/19
Left: -0.058+/-0.061 χ²/NDF: 52.9/40
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/35
Out: 0.020+/-0.045 χ²/NDF:54.9/38
All: -0.005+/-0.032 χ²/NDF: 97.1/74



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 328.112+/-0.061 χ^2/NDF:3429276.1/20

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.035+/-0.060 χ^2/NDF:2993055.1/19

Left: 324.490+/-0.043 χ^2/NDF: 6429148.0/40

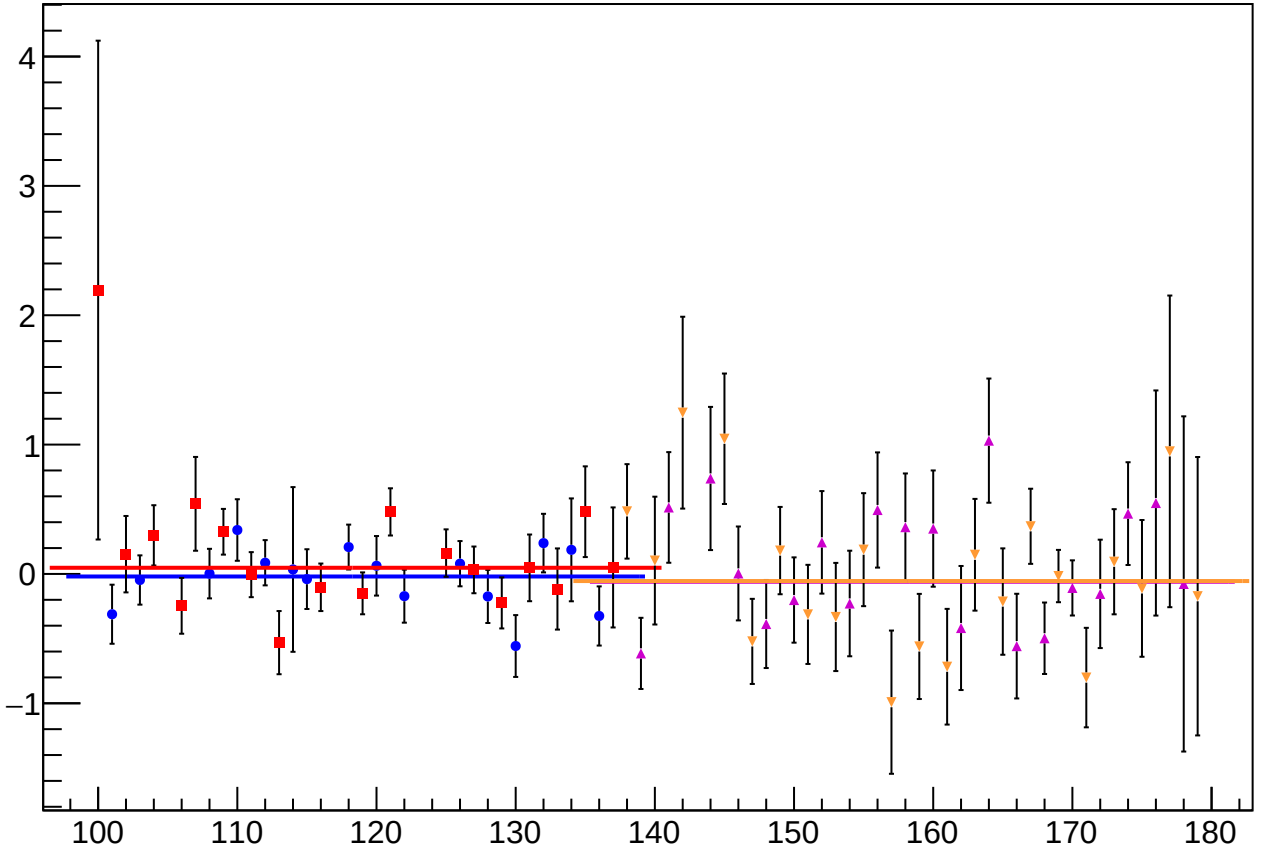
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 190.821+/-0.032 χ^2/NDF:10348459.0/35

Out: 183.044+/-0.032 χ^2/NDF:11910807.8/38

All: 186.868+/-0.023 χ^2/NDF: 22288758.6/74

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.055+/-0.087 χ^2/NDF:27.6/20

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.061+/-0.085 χ^2/NDF:25.3/19

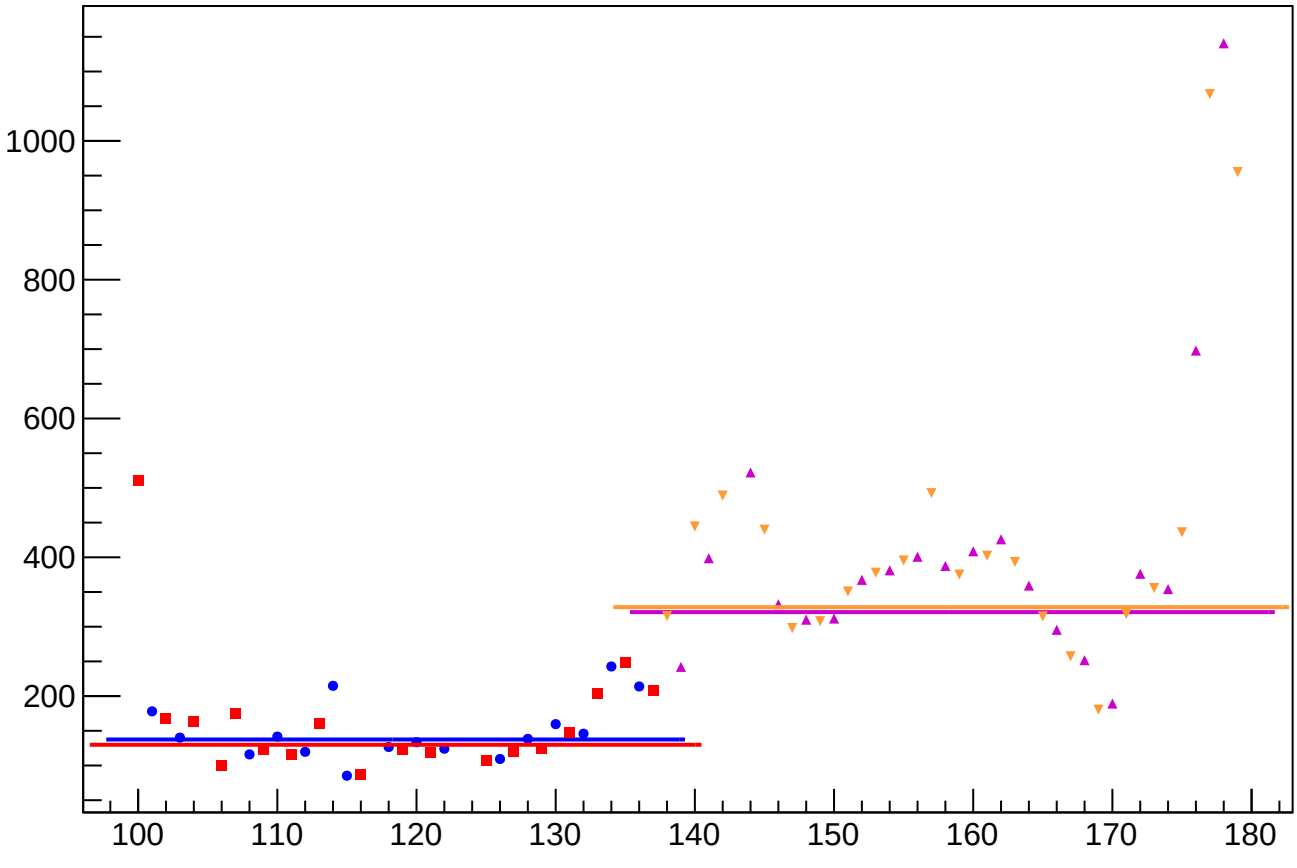
Left: -0.058+/-0.061 χ^2/NDF: 52.9/40

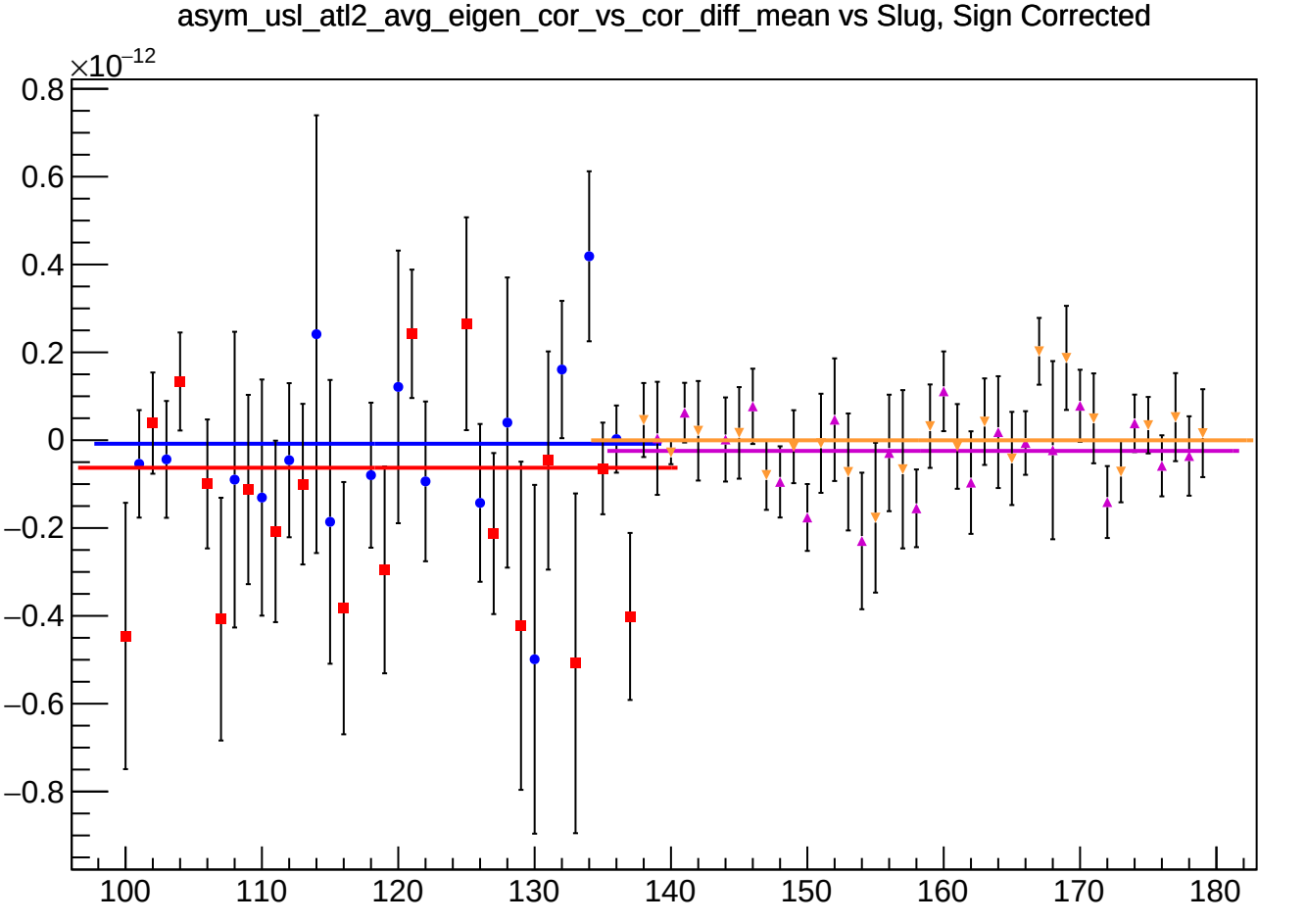
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

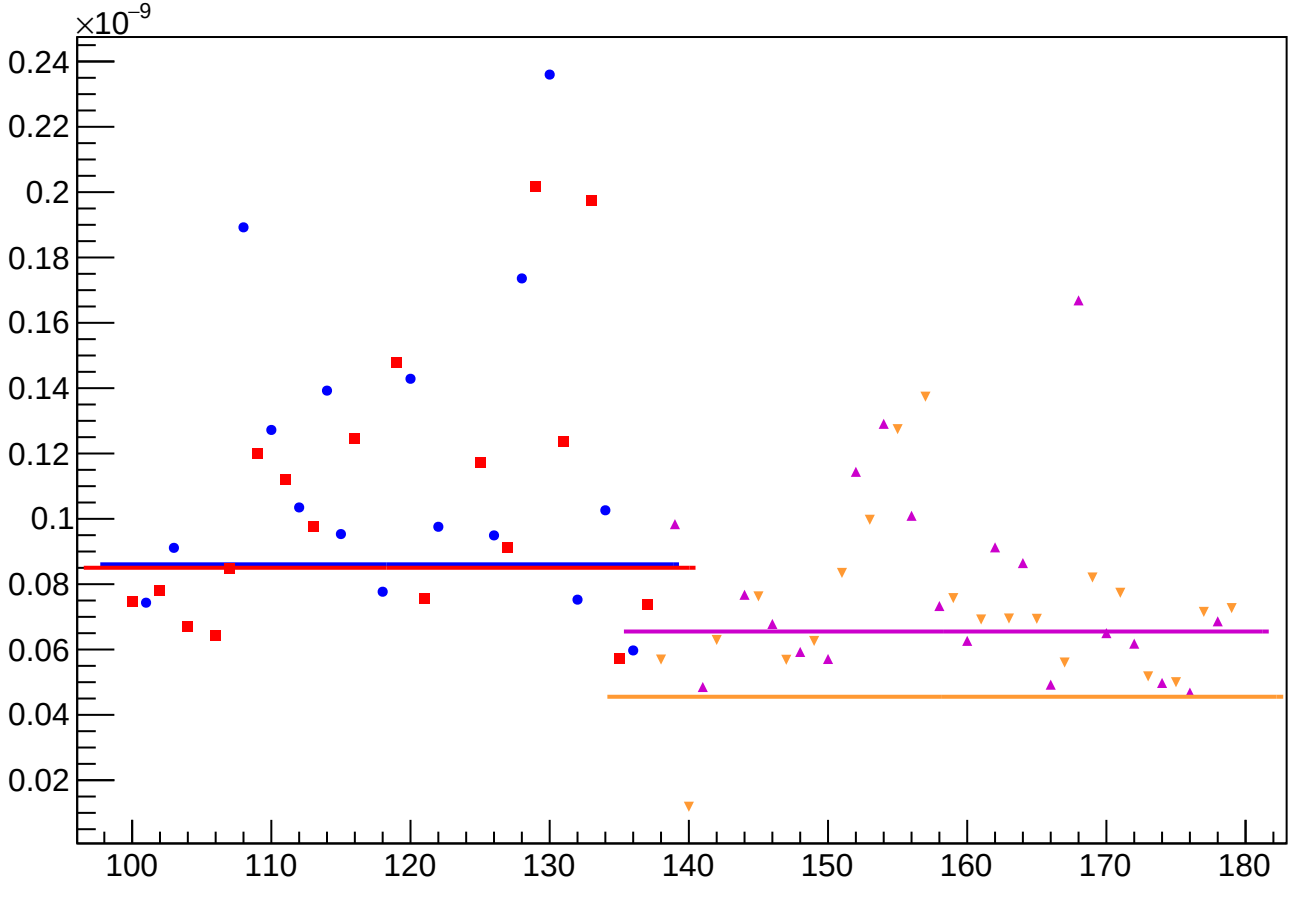
In: -0.032+/-0.046 χ^2/NDF:41.5/35

Out: 0.020+/-0.045 χ^2/NDF:54.9/38

All: -0.005+/-0.032 χ^2/NDF: 97.1/74


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 328.112+/-0.061 χ²/NDF:3429276.1/20
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 321.035+/-0.060 χ²/NDF:2993055.1/19
Left: 324.490+/-0.043 χ²/NDF: 6429148.0/40
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 190.821+/-0.032 χ²/NDF:10348459.0/35
Out: 183.044+/-0.032 χ²/NDF:11910807.8/38
All: 186.868+/-0.023 χ²/NDF: 22288758.6/74


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:15.9/20
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:19.6/19
Left: -0.000+/-0.000 χ²/NDF: 36.4/40
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:29.6/35
Out: -0.000+/-0.000 χ²/NDF:40.0/38
All: -0.000+/-0.000 χ²/NDF: 69.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6373162.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2079303.9/19

Left: 0.000+/-0.000 χ^2/NDF: 9619012.2/40

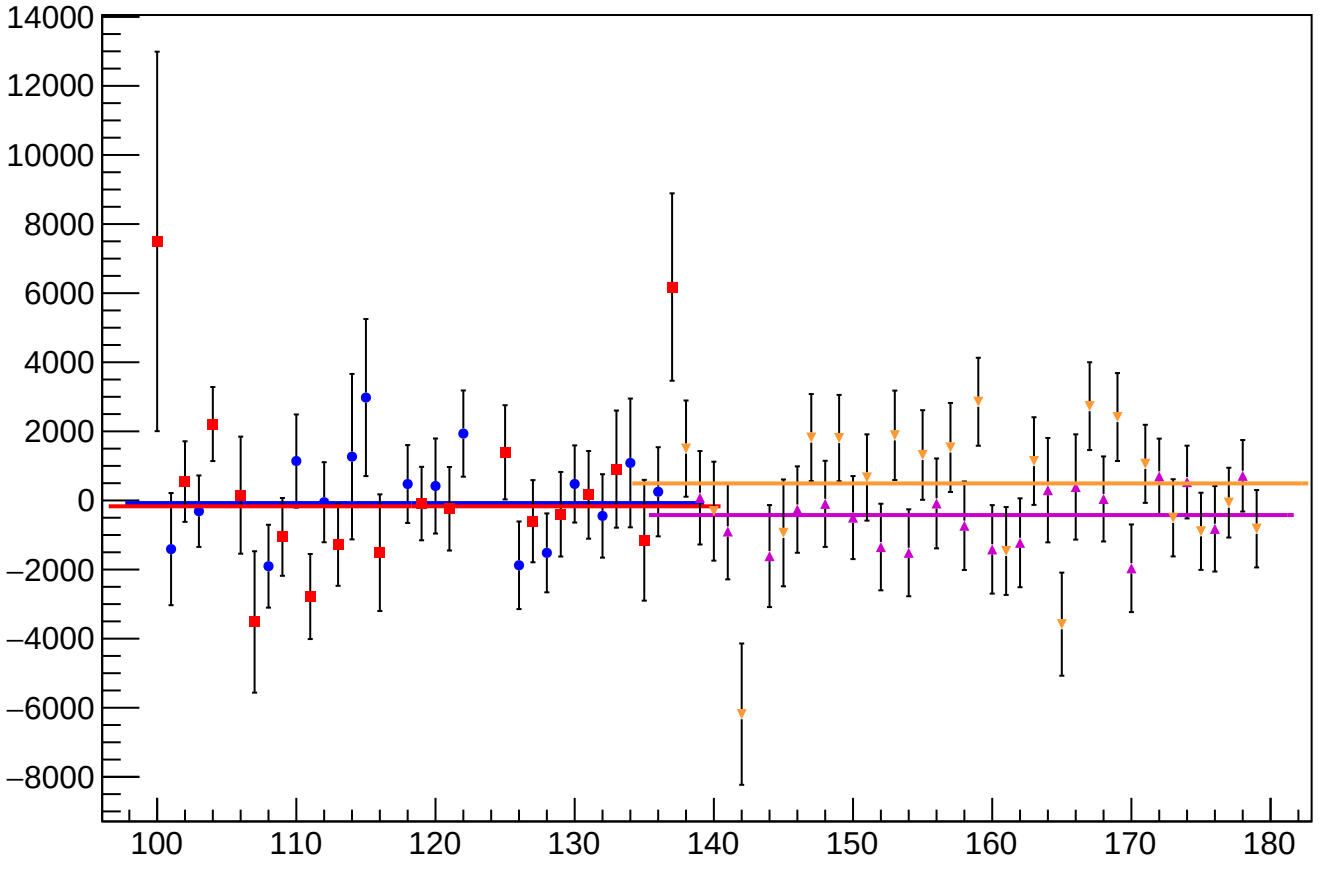
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3533850.9/35

Out: 0.000+/-0.000 χ^2/NDF:8901035.7/38

All: 0.000+/-0.000 χ^2/NDF: 13614068.1/74

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 493.199+/-276.570 χ^2/NDF:40.0/20

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -422.725+/-281.050 χ^2/NDF:8.7/19

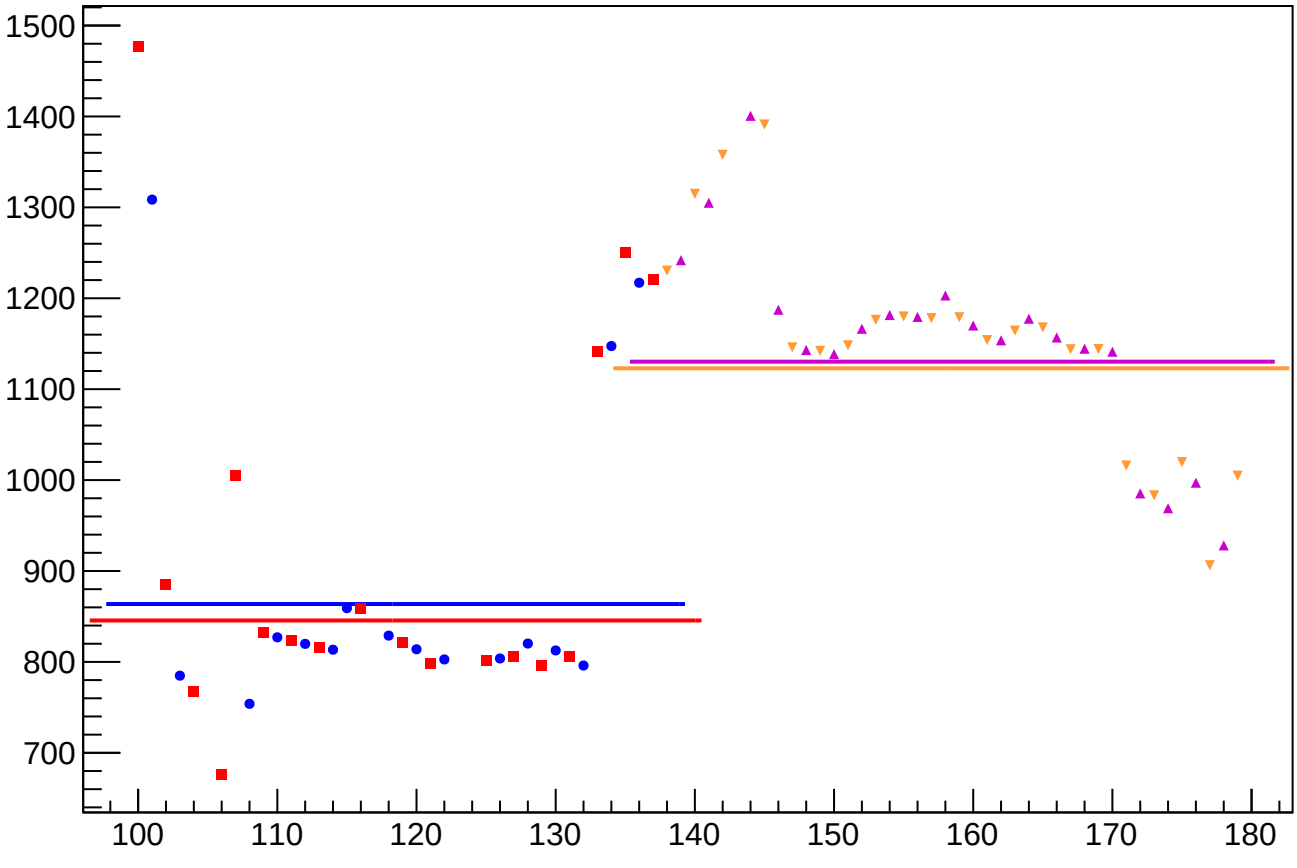
Left: 42.595+/-197.129 χ^2/NDF: 54.1/40

Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -274.990+/-212.928 χ^2/NDF:22.7/35

Out: 211.750+/-209.756 χ^2/NDF:66.8/38

All: -27.968+/-149.429 χ^2/NDF: 92.2/74



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.5/20

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

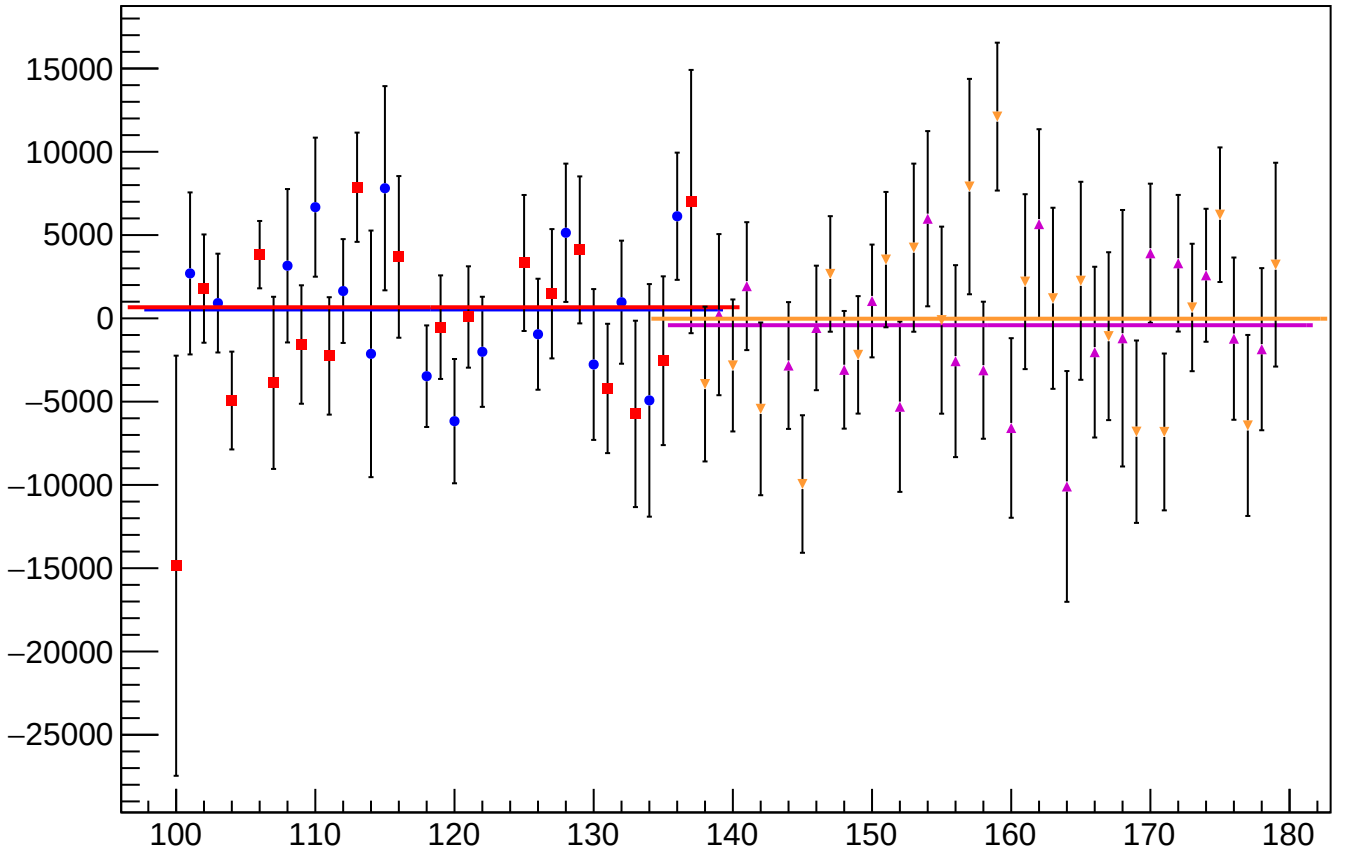
Left: 1126.560+/-0.139 χ^2/NDF: 656959.7/40

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1016.683+/-0.151 χ^2/NDF:1492501.3/35

Out: 1003.450+/-0.148 χ^2/NDF:1512656.5/38

All: 1009.932+/-0.105 χ^2/NDF: 3009098.9/74



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -21.172+/-1009.072 χ^2/NDF:27.6/20

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -411.837+/-1006.564 χ^2/NDF:11.6/19

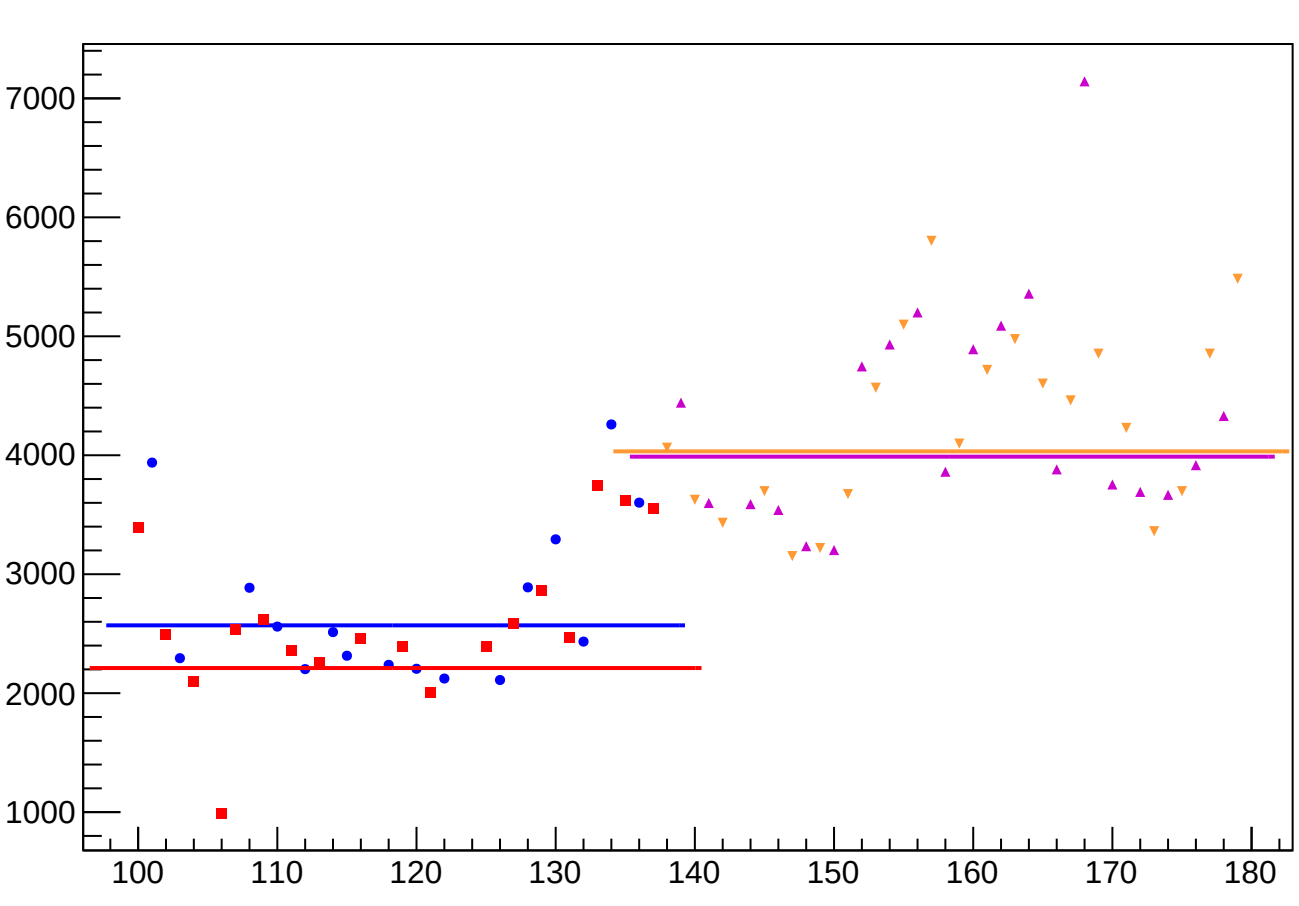
Left: -216.990+/-712.633 χ^2/NDF: 39.3/40

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 73.365+/-702.642 χ^2/NDF:26.7/35

Out: 374.872+/-656.718 χ^2/NDF:47.9/38

All: 234.293+/-479.784 χ^2/NDF: 74.7/74



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4032.736+/-0.714 χ^2/NDF:965564.6/20

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3988.000+/-0.712 χ^2/NDF:1071777.9/19

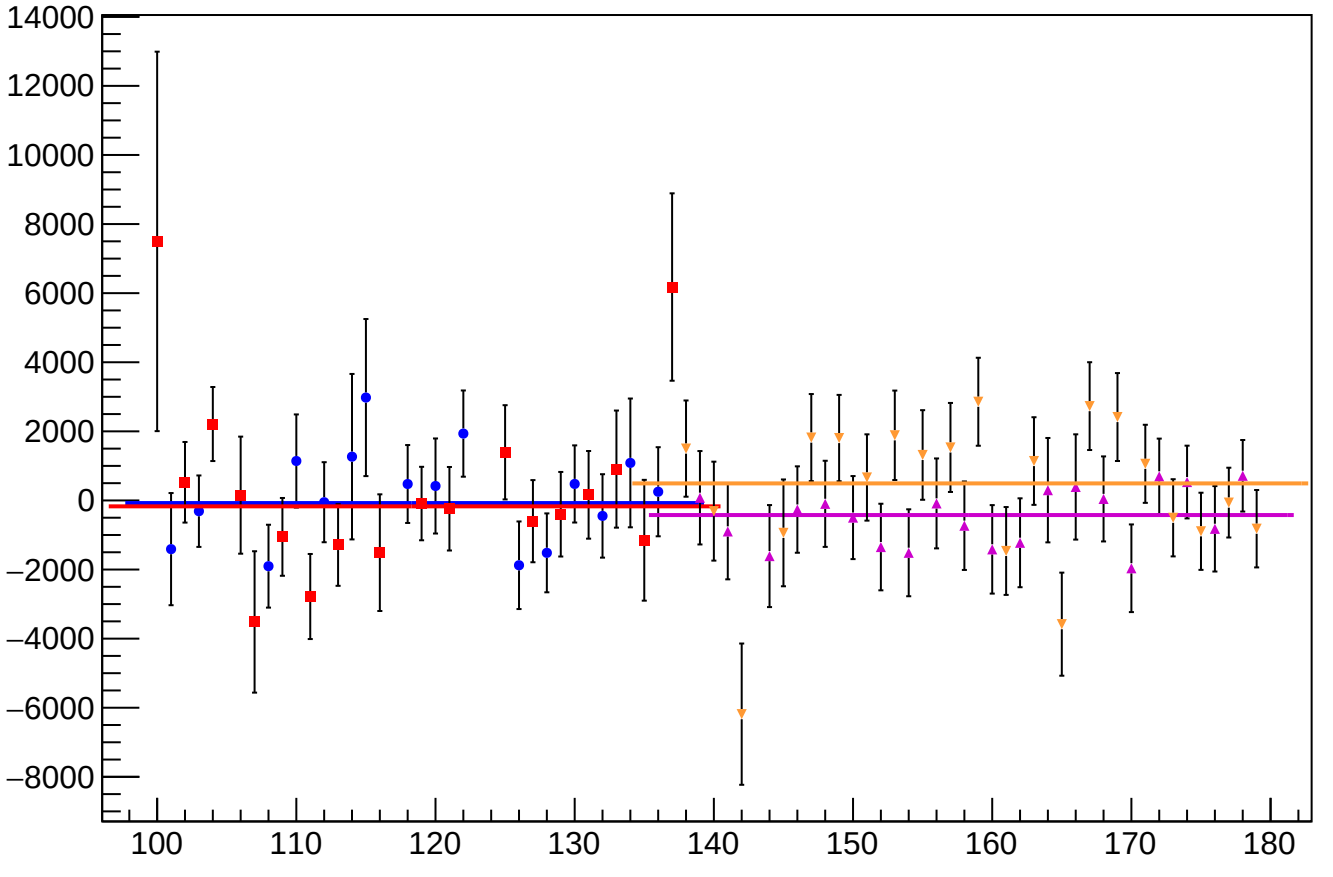
Left: 4010.312+/-0.504 χ^2/NDF: 2039312.9/40

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3261.043+/-0.497 χ^2/NDF:3768909.5/35

Out: 2982.767+/-0.464 χ^2/NDF:5986153.5/38

All: 3112.514+/-0.339 χ^2/NDF: 9922499.2/74



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -422.691+/-281.050 χ^2/NDF:8.7/19

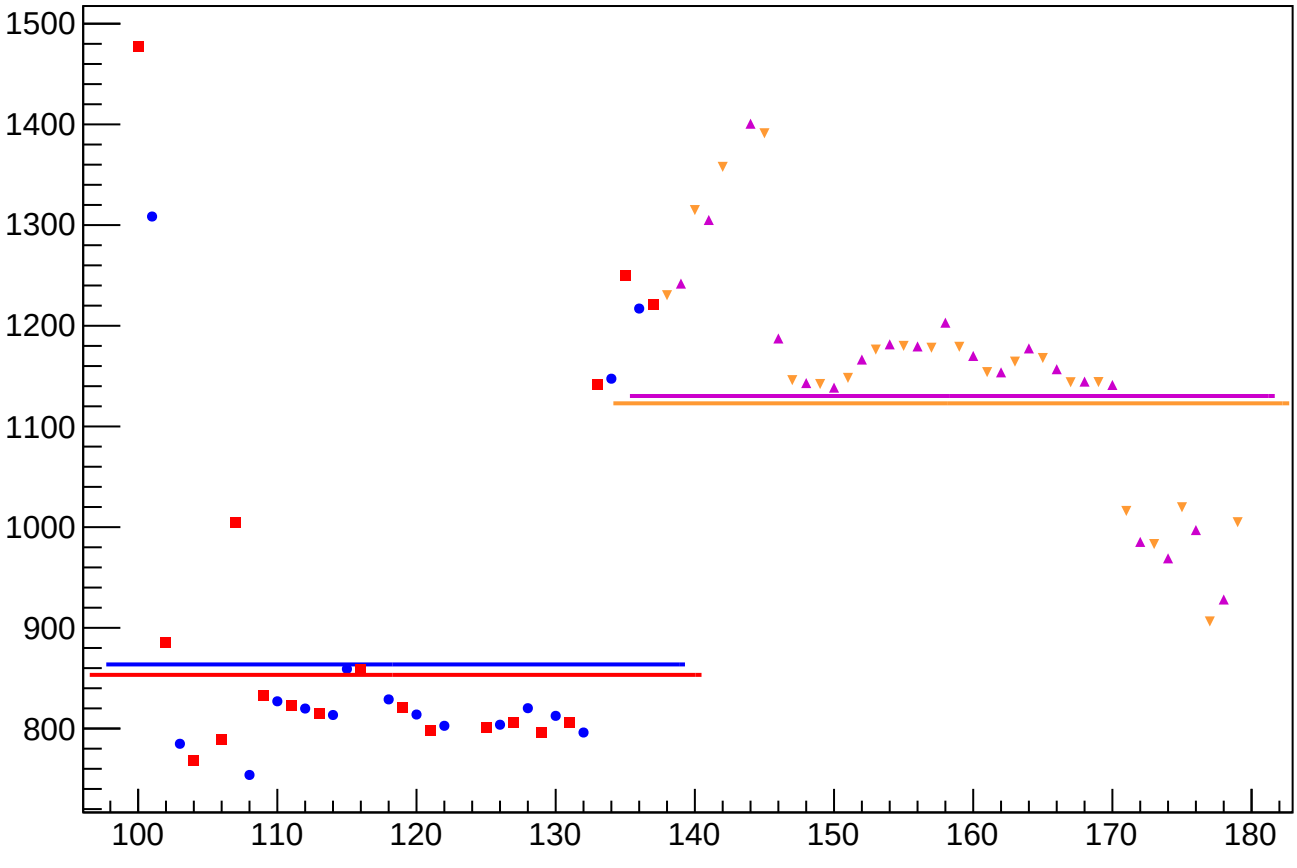
Left: 42.638+/-197.129 χ^2/NDF: 54.1/40

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -275.004+/-212.928 χ^2/NDF:22.7/35

Out: 211.090+/-209.758 χ^2/NDF:66.8/38

All: -28.311+/-149.429 χ^2/NDF: 92.1/74



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.4/20

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

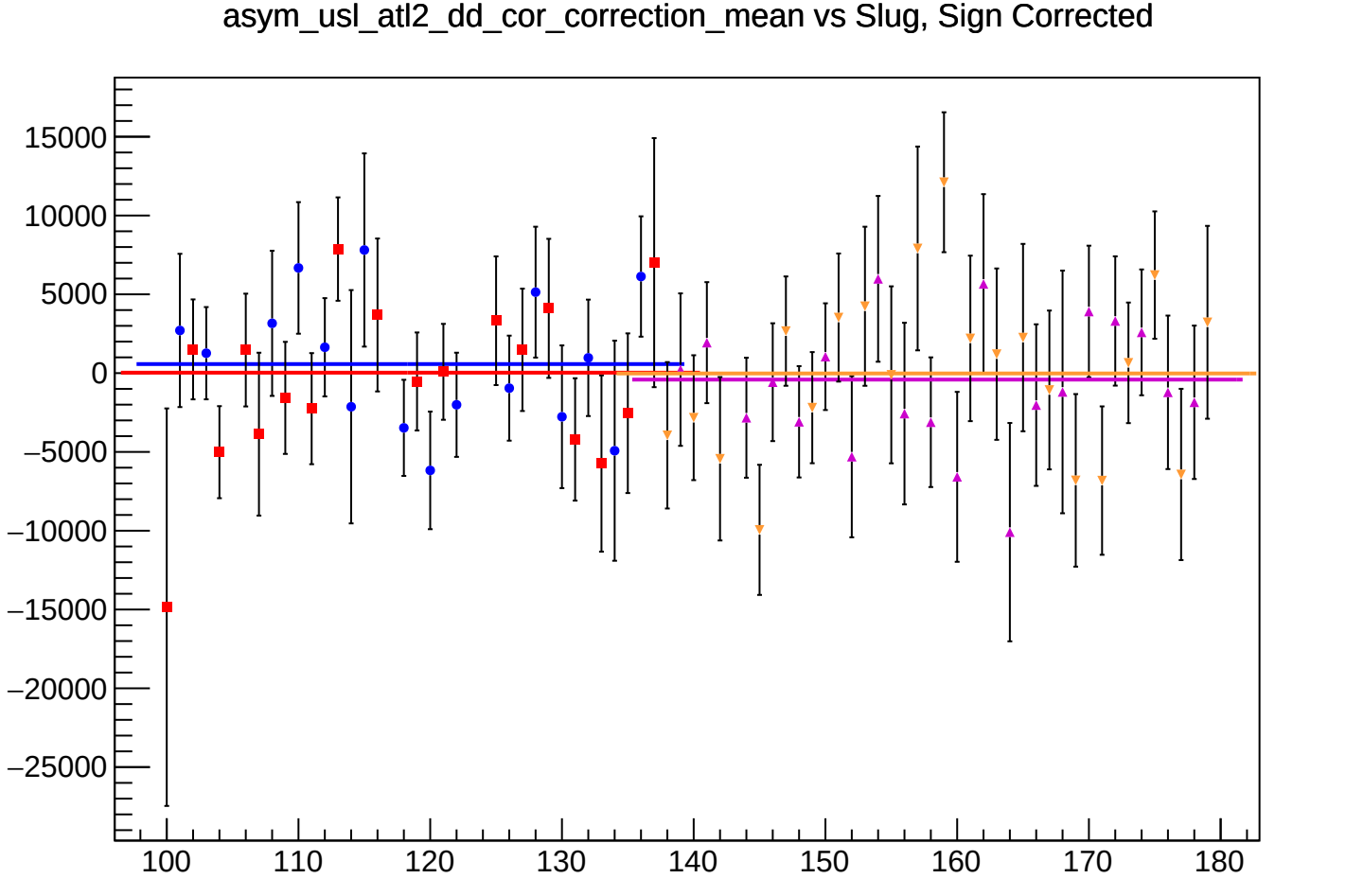
Left: 1126.560+/-0.139 χ^2/NDF: 656959.7/40

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.683+/-0.151 χ^2/NDF:1492501.4/35

Out: 1007.734+/-0.148 χ^2/NDF:1425936.1/38

All: 1012.131+/-0.106 χ^2/NDF: 2920234.6/74



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -411.887+/-1006.563 χ^2/NDF:11.6/19

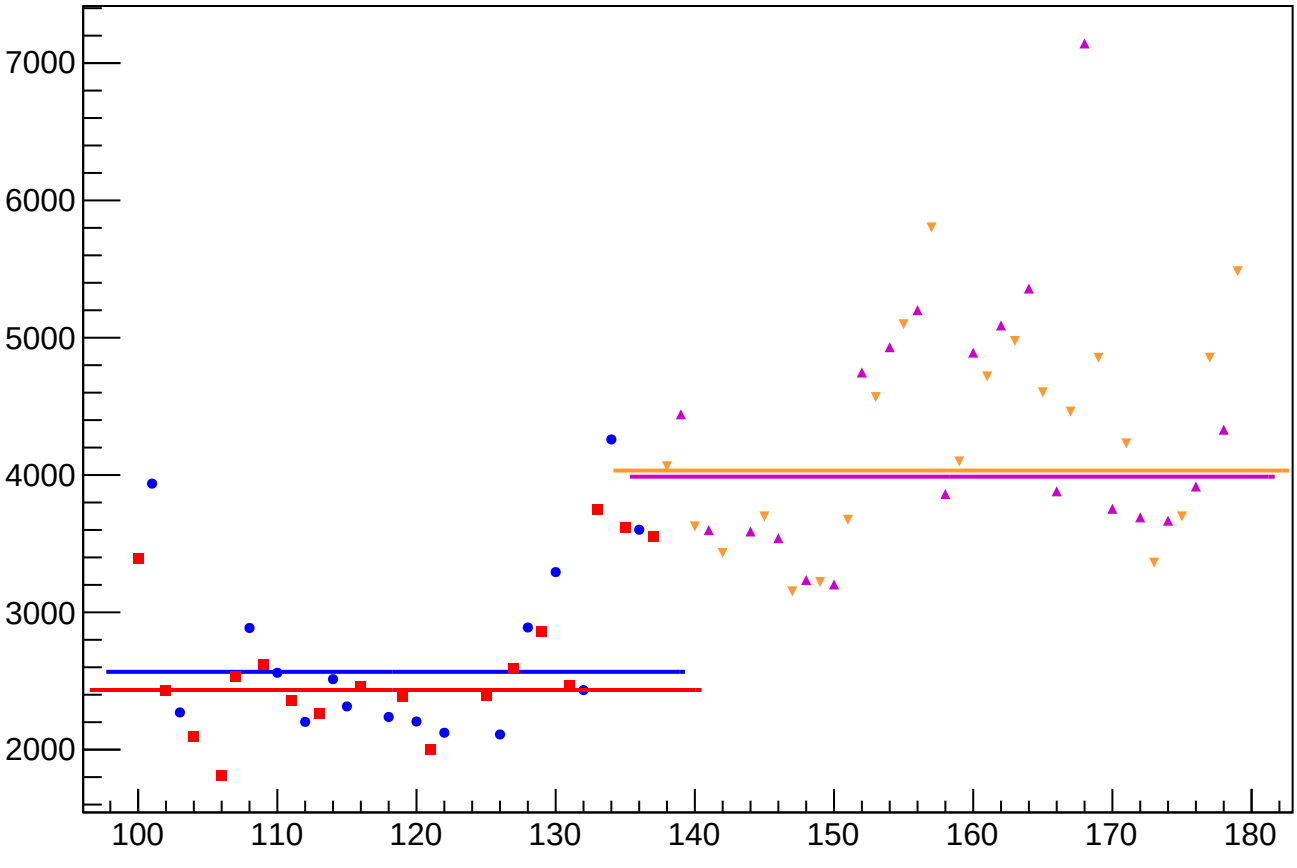
Left: -217.003+/-712.633 χ^2/NDF: 39.3/40

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 94.804+/-702.115 χ^2/NDF:26.8/35

Out: 5.964+/-680.704 χ^2/NDF:44.8/38

All: 49.009+/-488.724 χ^2/NDF: 71.6/74



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

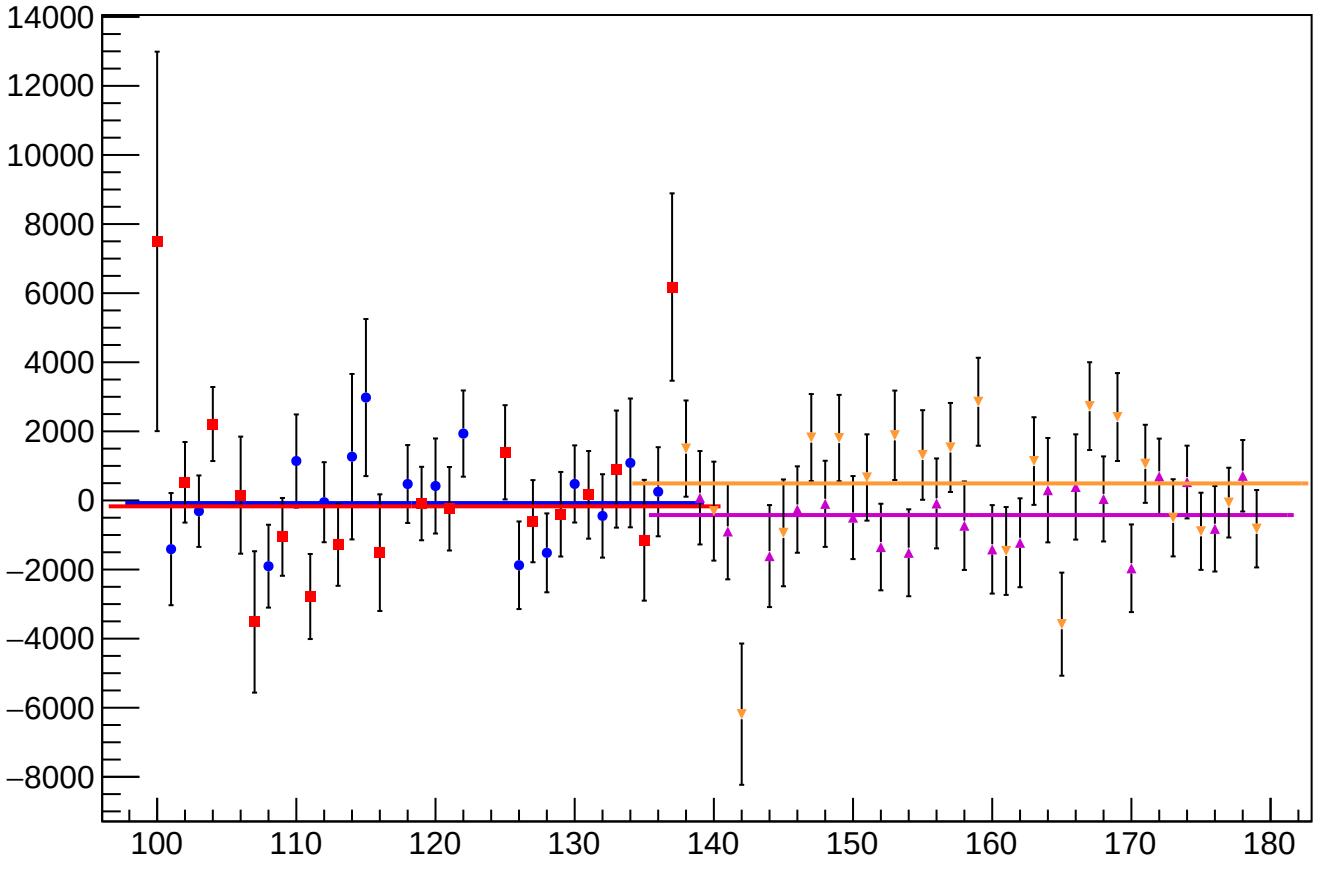
Left: 4010.311+/-0.504 χ^2/NDF: 2039314.3/40

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3258.259+/-0.496 χ^2/NDF:3784987.7/35

Out: 3161.761+/-0.481 χ^2/NDF:4133979.0/38

All: 3208.516+/-0.346 χ^2/NDF: 7938440.9/74



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 493.252+/-276.570 χ^2/NDF:40.0/20

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -422.691+/-281.050 χ^2/NDF:8.7/19

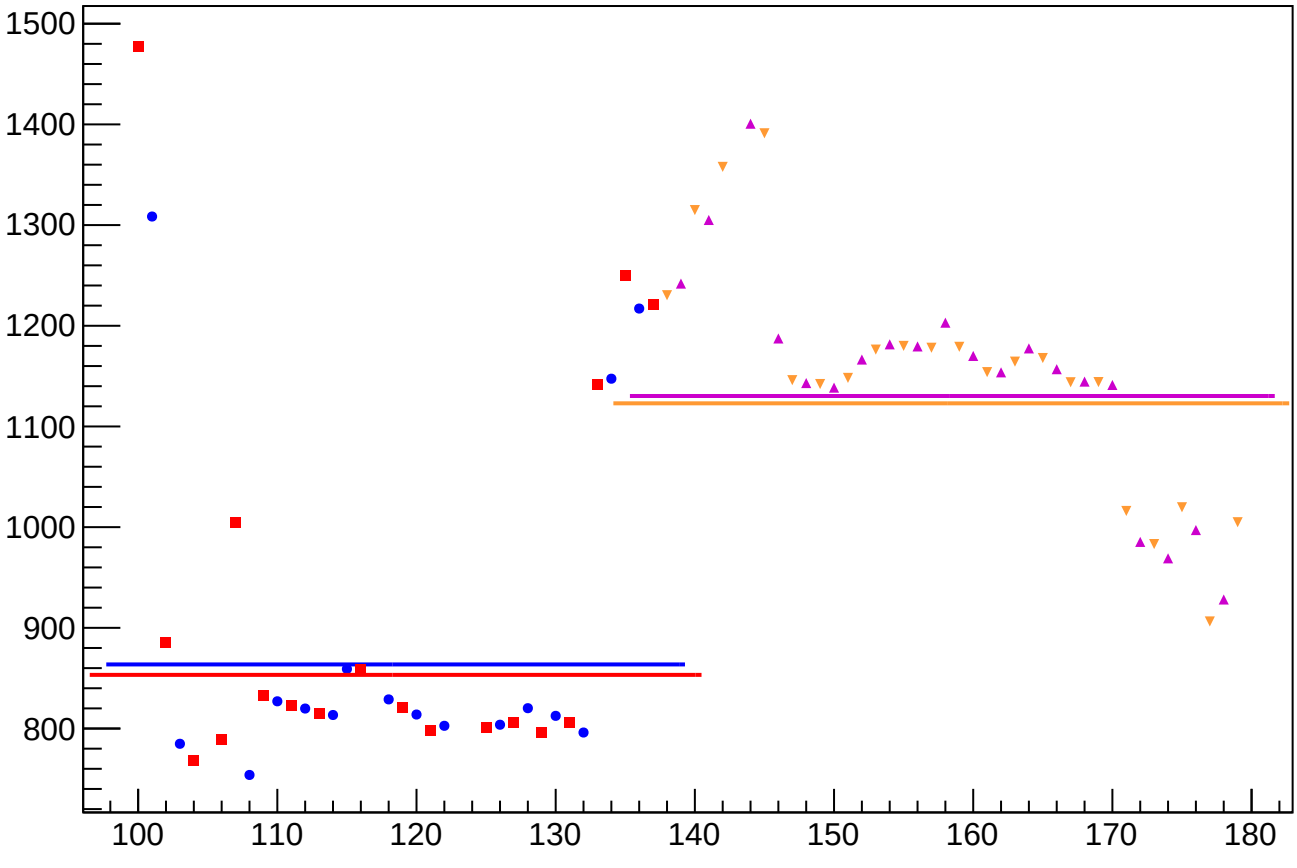
Left: 42.638+/-197.129 χ^2/NDF: 54.1/40

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -275.004+/-212.928 χ^2/NDF:22.7/35

Out: 211.090+/-209.758 χ^2/NDF:66.8/38

All: -28.311+/-149.429 χ^2/NDF: 92.1/74



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1122.978+/-0.196 χ^2/NDF:337932.4/20

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1130.258+/-0.199 χ^2/NDF:318345.4/19

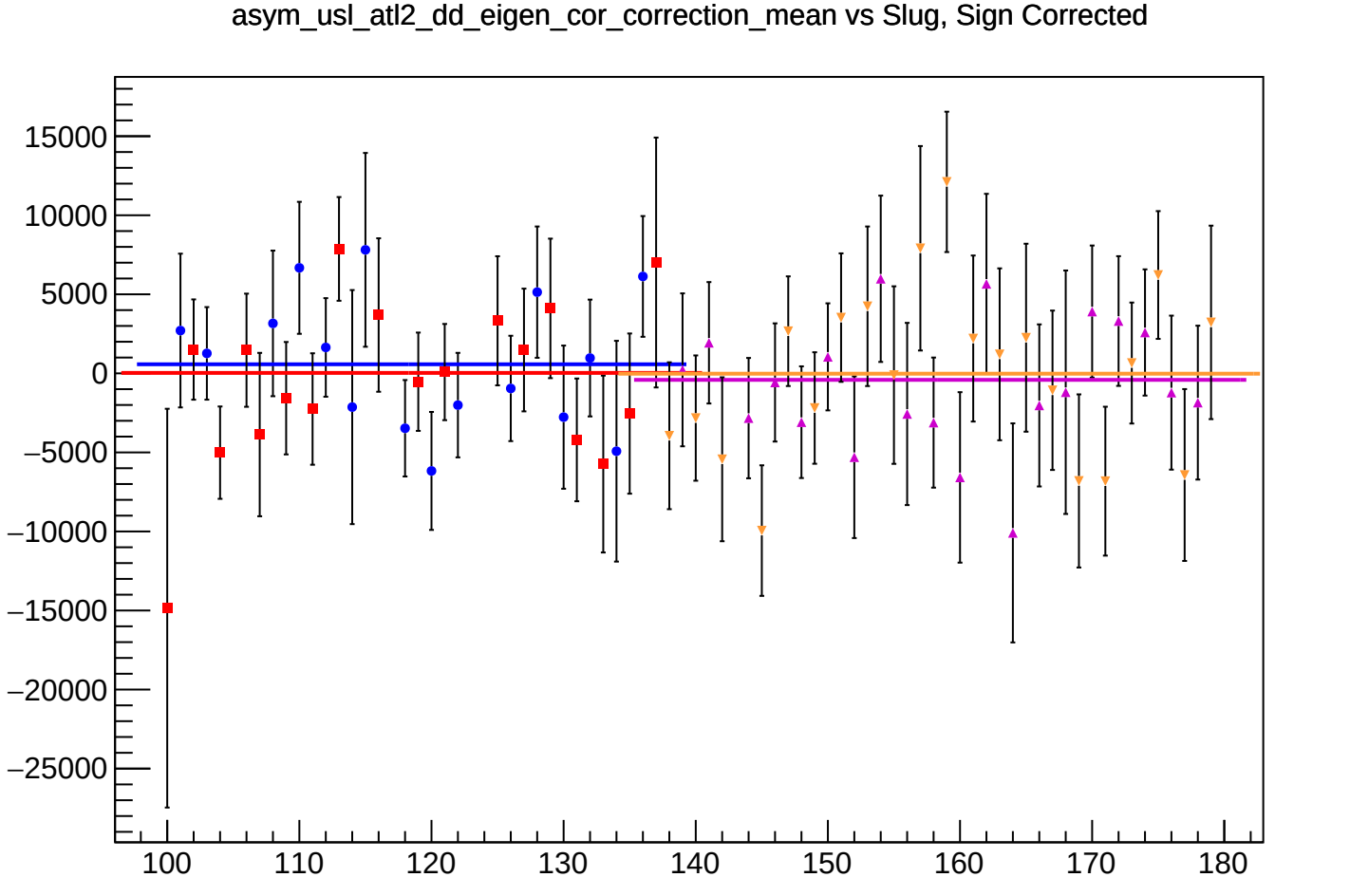
Left: 1126.560+/-0.139 χ^2/NDF: 656959.7/40

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.683+/-0.151 χ^2/NDF:1492501.4/35

Out: 1007.734+/-0.148 χ^2/NDF:1425936.1/38

All: 1012.131+/-0.106 χ^2/NDF: 2920234.6/74



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -21.147+/-1009.073 χ^2/NDF:27.6/20

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -411.887+/-1006.563 χ^2/NDF:11.6/19

Left: -217.003+/-712.633 χ^2/NDF: 39.3/40

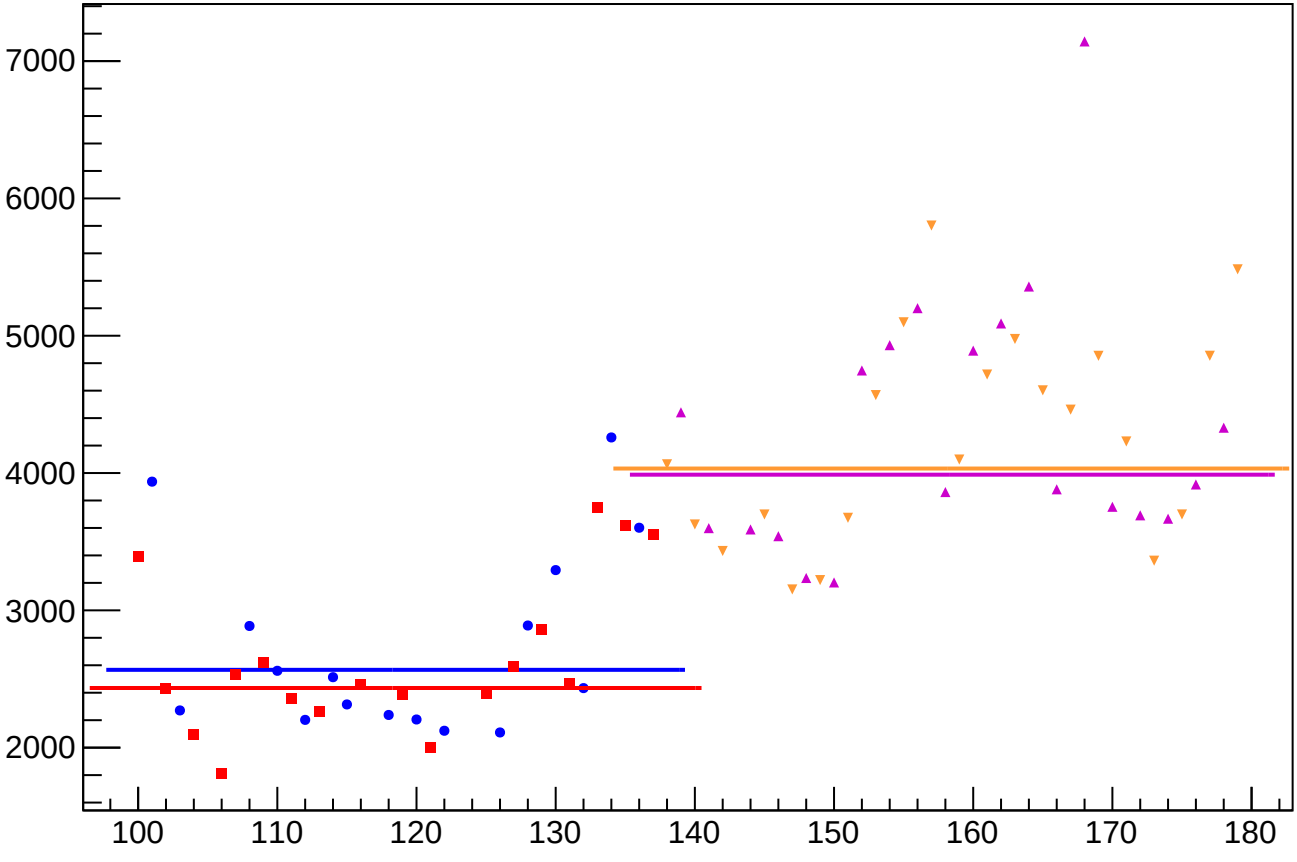
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 94.804+/-702.115 χ^2/NDF:26.8/35

Out: 5.964+/-680.704 χ^2/NDF:44.8/38

All: 49.009+/-488.724 χ^2/NDF: 71.6/74

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.738+/-0.714 χ^2/NDF:965561.5/20

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

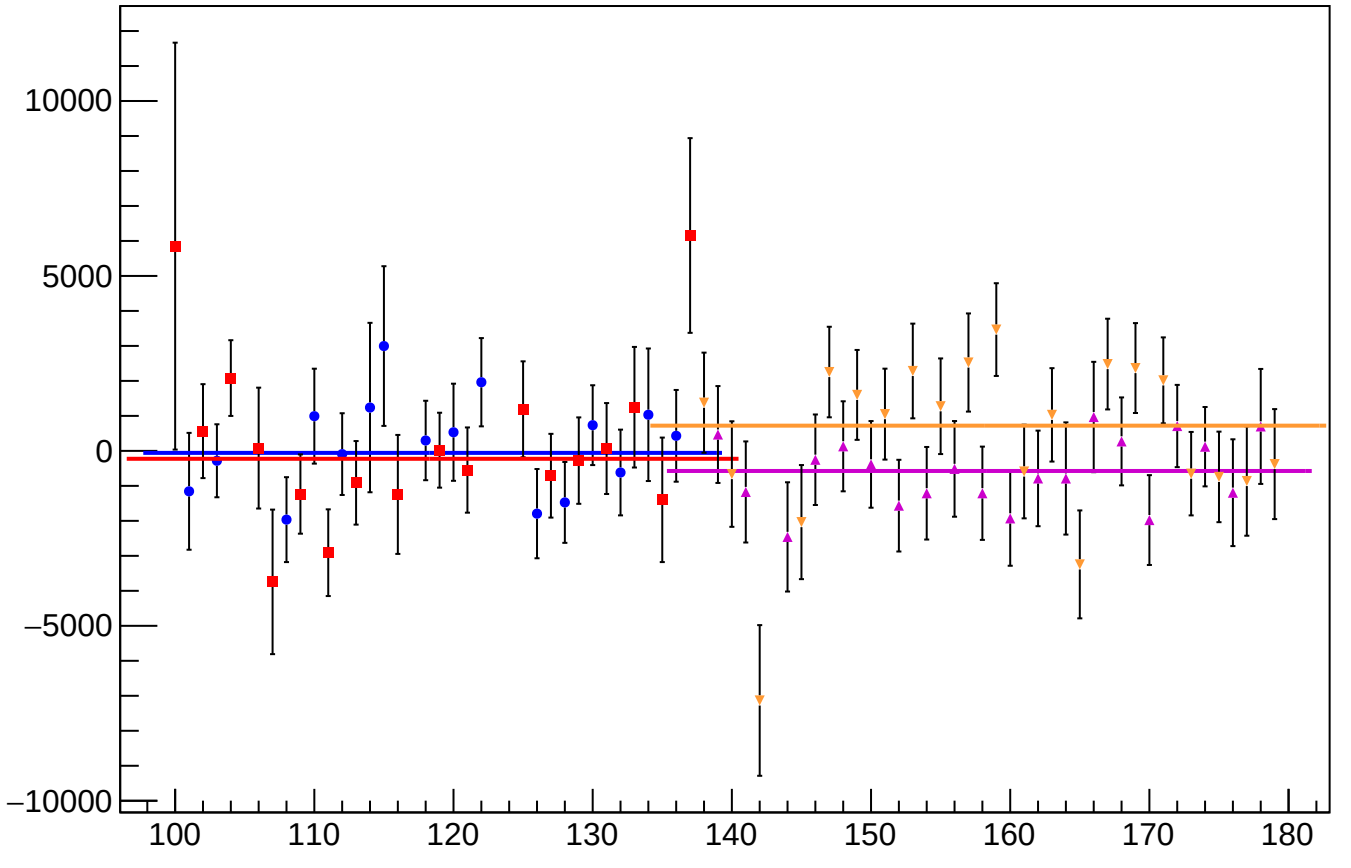
Left: 4010.311+/-0.504 χ^2/NDF: 2039314.3/40

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3258.259+/-0.496 χ^2/NDF:3784987.7/35

Out: 3161.761+/-0.481 χ^2/NDF:4133979.0/38

All: 3208.516+/-0.346 χ^2/NDF: 7938440.9/74



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 720.990+/-301.633 χ^2/NDF:42.9/20

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -574.381+/-302.498 χ^2/NDF:9.6/19

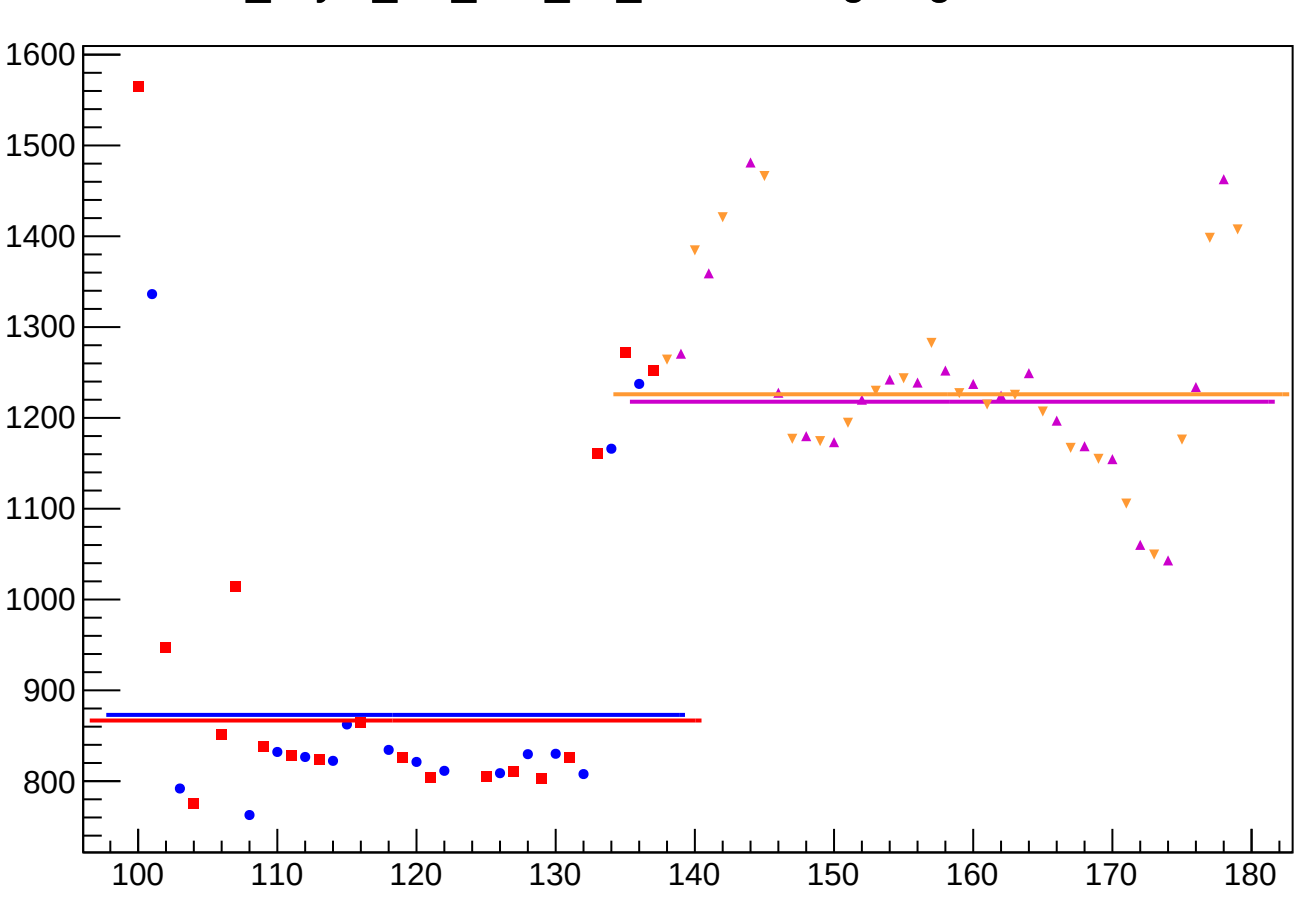
Left: 75.159+/-213.592 χ^2/NDF: 61.7/40

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -338.308+/-223.015 χ^2/NDF:23.9/35

Out: 287.147+/-222.045 χ^2/NDF:70.4/38

All: -24.217+/-157.352 χ^2/NDF: 98.2/74



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1226.019+/-0.213 χ^2/NDF:221845.9/20

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1217.809+/-0.214 χ^2/NDF:223531.2/19

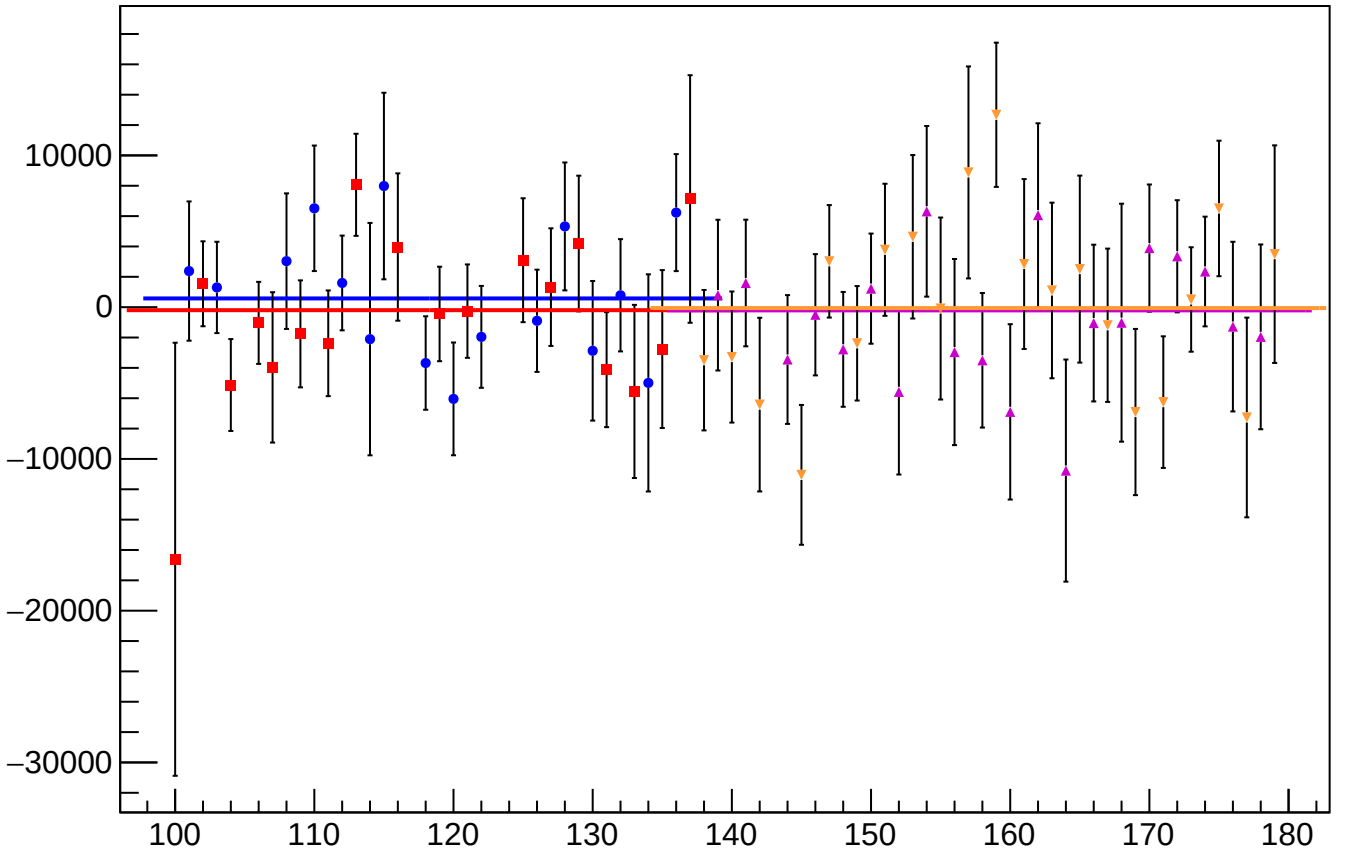
Left: 1221.926+/-0.151 χ^2/NDF: 446115.8/40

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1060.402+/-0.158 χ^2/NDF:1827013.4/35

Out: 1061.274+/-0.157 χ^2/NDF:1813230.2/38

All: 1060.840+/-0.111 χ^2/NDF: 3640259.0/74



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -60.442+/-1058.803 χ^2/NDF:27.2/20

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -211.879+/-1053.983 χ^2/NDF:11.5/19

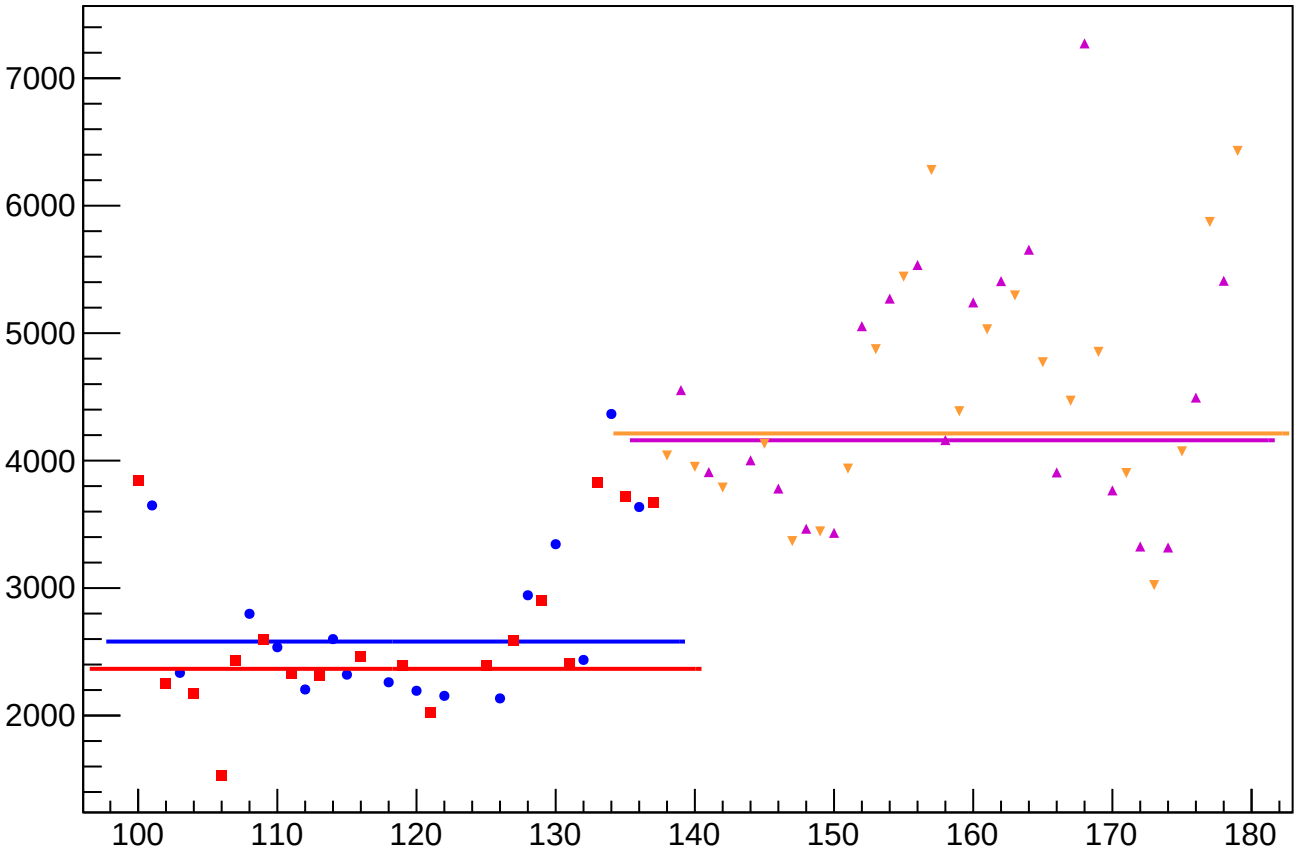
Left: -136.506+/-746.977 χ^2/NDF: 38.8/40

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 208.341+/-719.609 χ^2/NDF:26.5/35

Out: -140.712+/-683.129 χ^2/NDF:44.4/38

All: 24.743+/-495.440 χ^2/NDF: 71.1/74



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4213.105+/-0.749 χ^2/NDF:1240278.7/20

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4159.521+/-0.745 χ^2/NDF:1298763.3/19

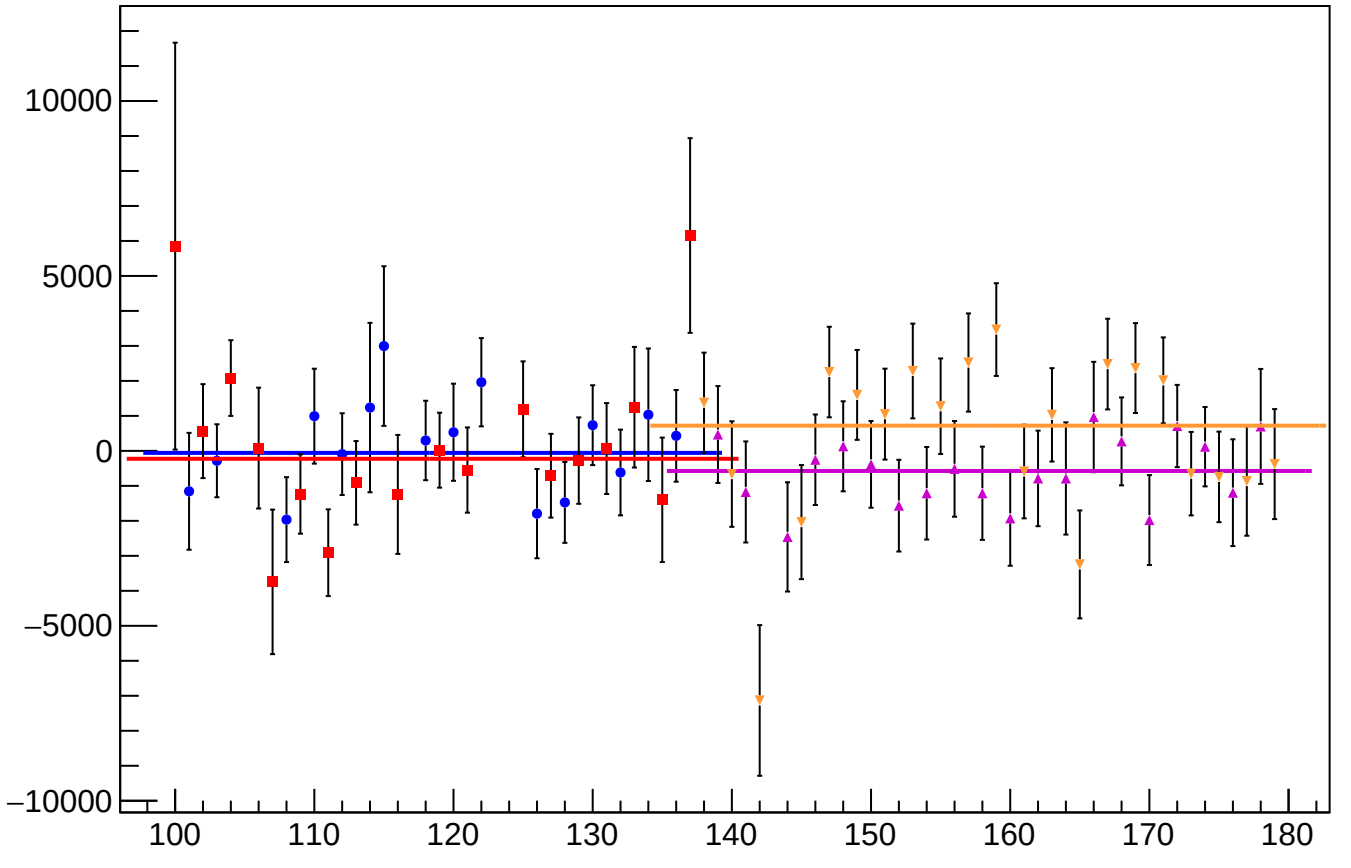
Left: 4186.191+/-0.528 χ^2/NDF: 2541614.8/40

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3316.495+/-0.509 χ^2/NDF:4312686.9/35

Out: 3135.134+/-0.483 χ^2/NDF:5403386.2/38

All: 3221.101+/-0.350 χ^2/NDF: 9782892.4/74



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 720.991+/-301.633 χ^2/NDF:42.9/20

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -574.380+/-302.498 χ^2/NDF:9.6/19

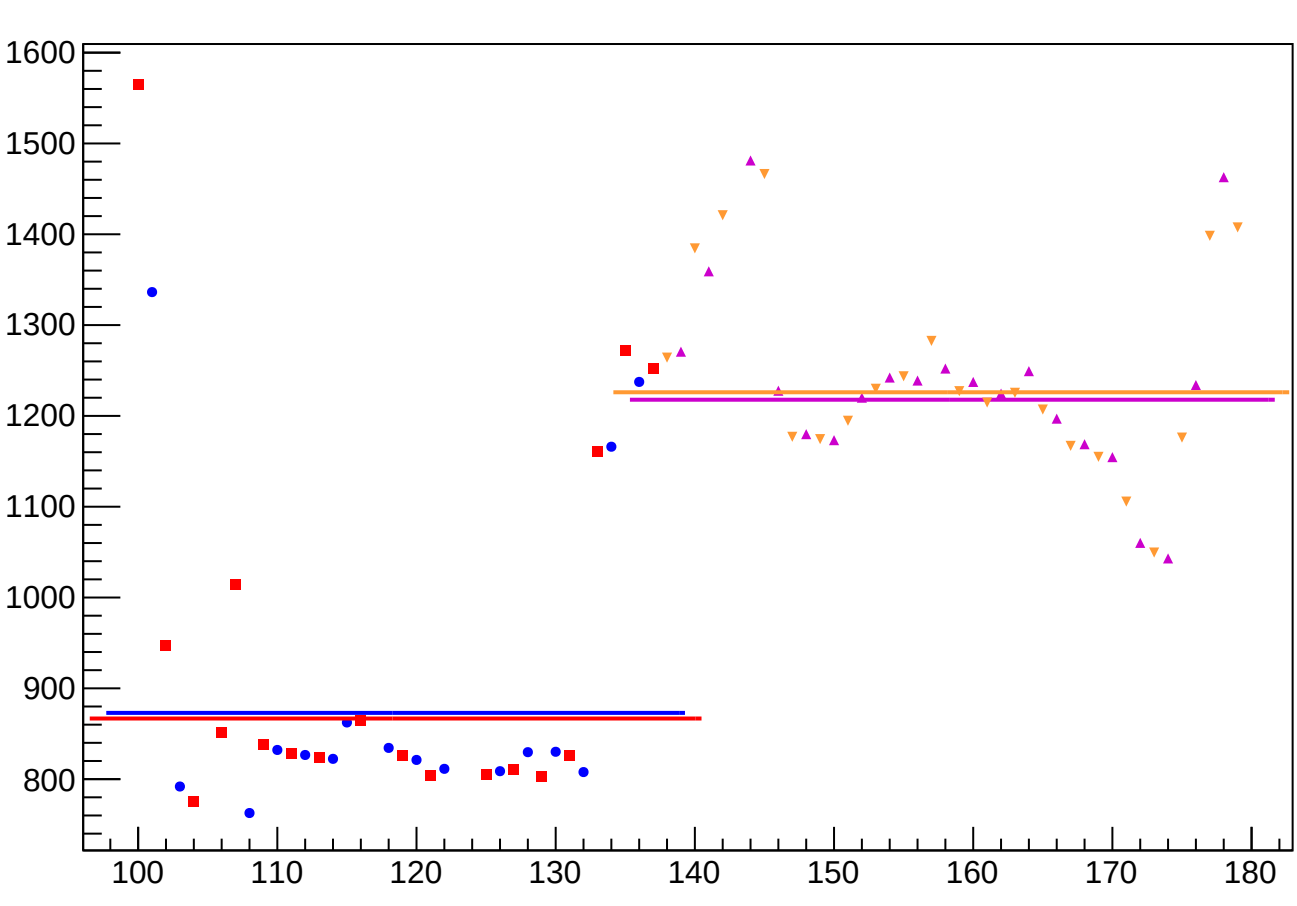
Left: 75.160+/-213.592 χ^2/NDF: 61.7/40

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -338.308+/-223.015 χ^2/NDF:23.9/35

Out: 287.146+/-222.045 χ^2/NDF:70.4/38

All: -24.218+/-157.352 χ^2/NDF: 98.2/74



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1226.020+/-0.213 χ^2/NDF:221858.5/20

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1217.810+/-0.214 χ^2/NDF:223541.3/19

Left: 1221.926+/-0.151 χ^2/NDF: 446138.5/40

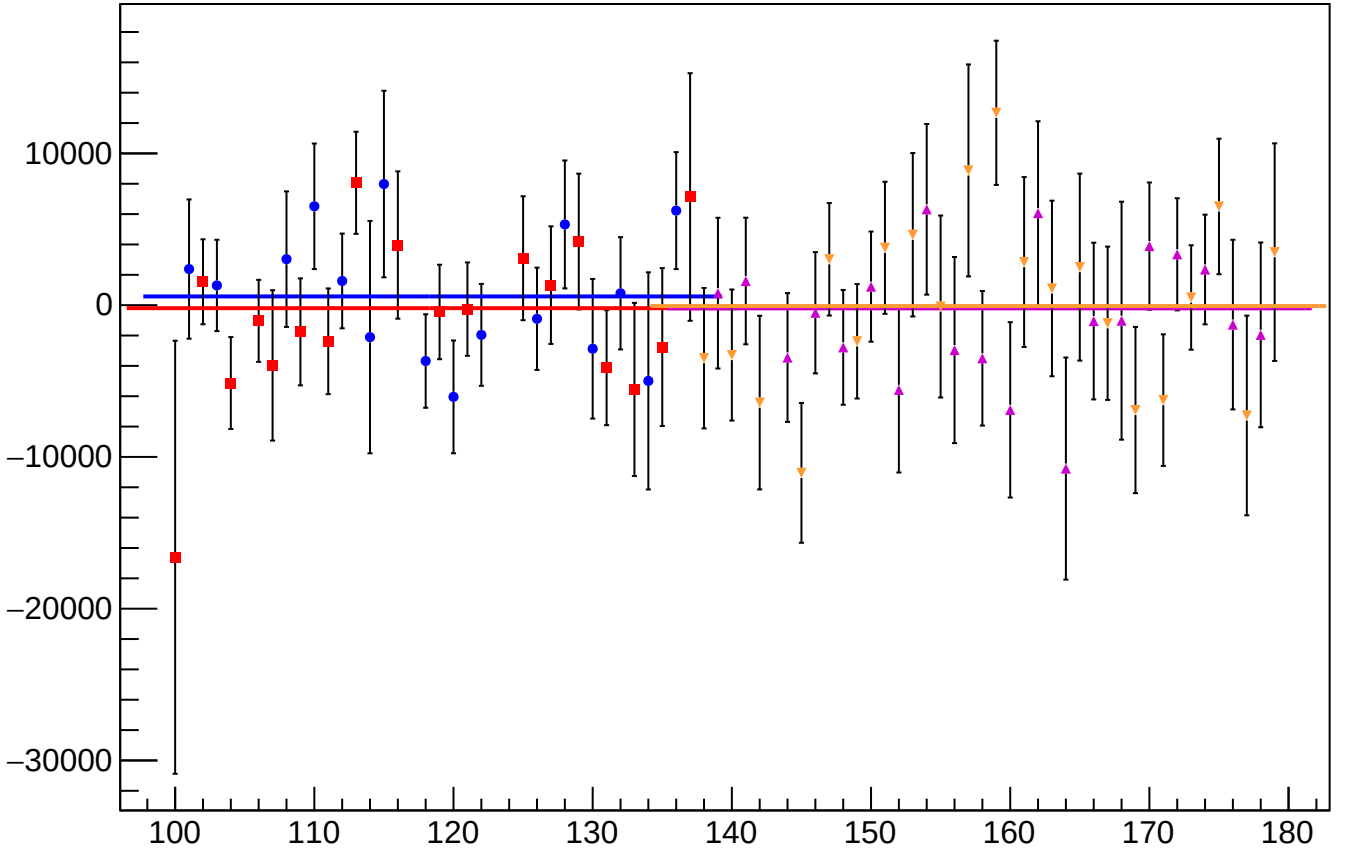
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1060.402+/-0.158 χ^2/NDF:1827026.4/35

Out: 1061.274+/-0.157 χ^2/NDF:1813247.4/38

All: 1060.840+/-0.111 χ^2/NDF: 3640289.2/74

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -60.441+/-1058.805 χ^2/NDF:27.2/20

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -211.880+/-1053.985 χ^2/NDF:11.5/19

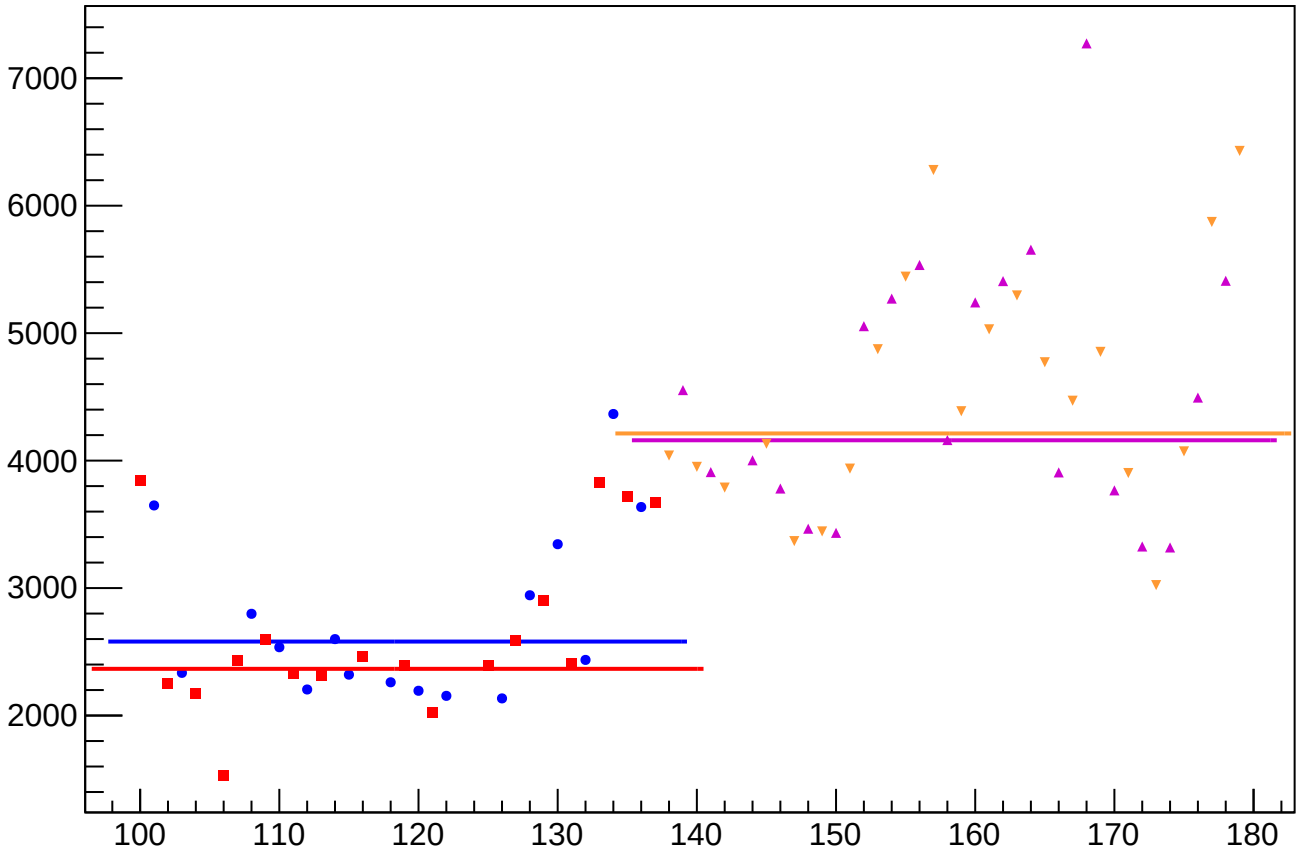
Left: -136.506+/-746.978 χ^2/NDF: 38.8/40

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 208.340+/-719.608 χ^2/NDF:26.5/35

Out: -140.712+/-683.128 χ^2/NDF:44.4/38

All: 24.742+/-495.439 χ^2/NDF: 71.1/74



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4213.113+/-0.749 χ^2/NDF:1240277.8/20

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4159.529+/-0.745 χ^2/NDF:1298763.7/19

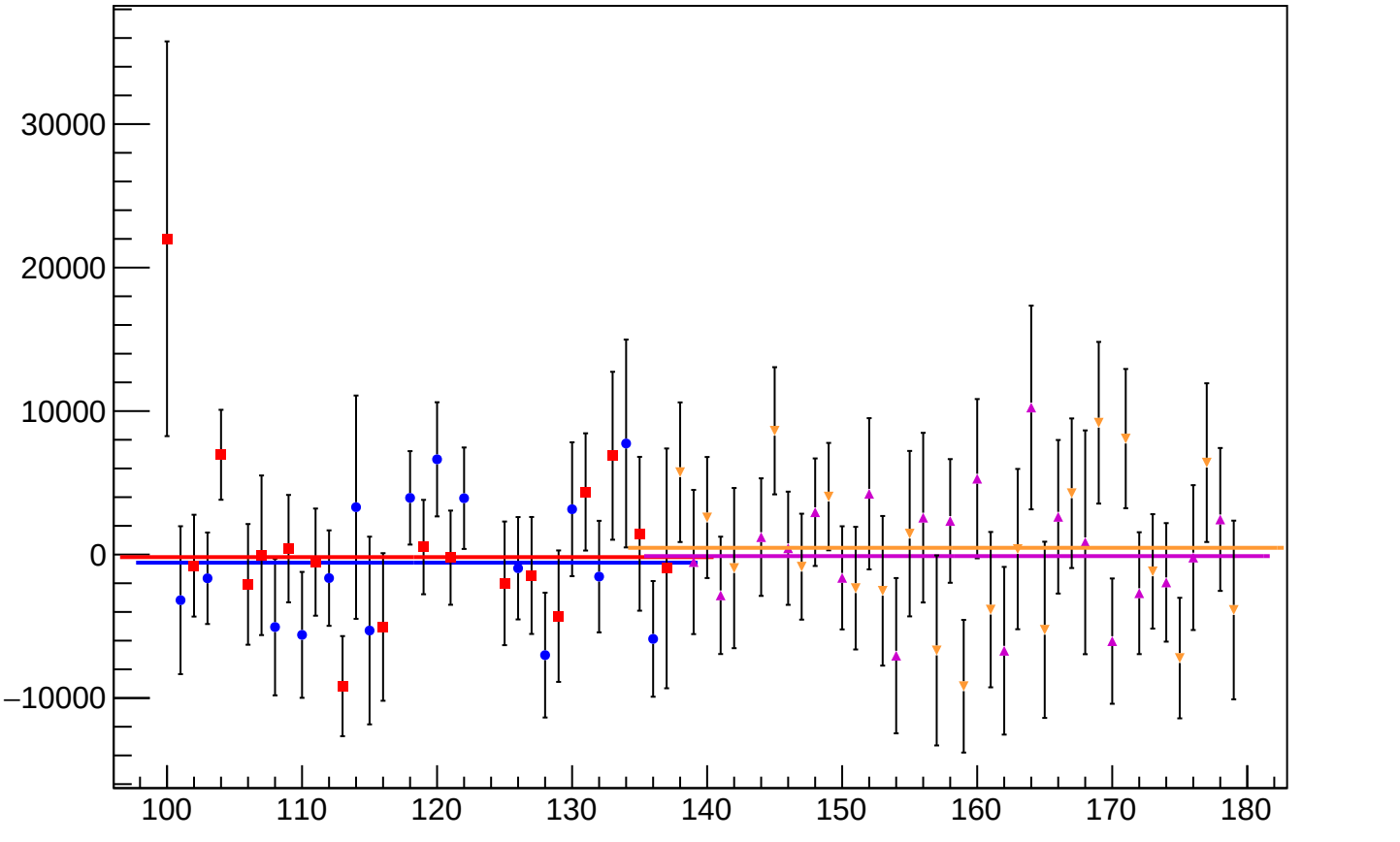
Left: 4186.199+/-0.528 χ^2/NDF: 2541614.3/40

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3316.491+/-0.509 χ^2/NDF:4312744.6/35

Out: 3135.130+/-0.483 χ^2/NDF:5403447.4/38

All: 3221.097+/-0.350 χ^2/NDF: 9783011.3/74



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 470.357+/-1054.700 χ^2/NDF:24.3/20

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -108.404+/-1052.056 χ^2/NDF:11.6/19

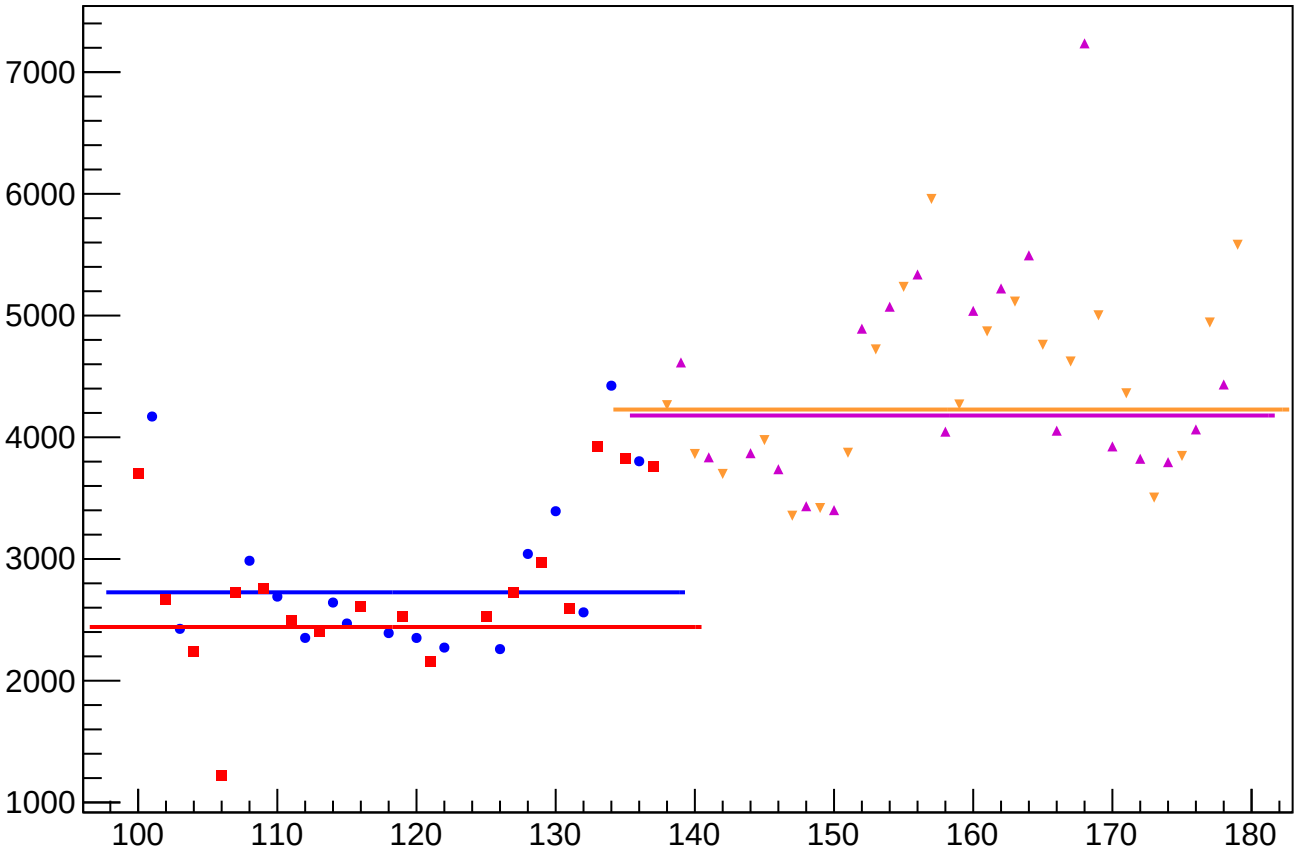
Left: 180.251+/-744.849 χ^2/NDF: 36.0/40

Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -339.818+/-739.730 χ^2/NDF:27.9/35

Out: 124.846+/-721.202 χ^2/NDF:44.0/38

All: -101.594+/-516.393 χ^2/NDF: 72.1/74



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4227.924+/-0.746 χ^2/NDF:828803.6/20

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4178.829+/-0.744 χ^2/NDF:941508.3/19

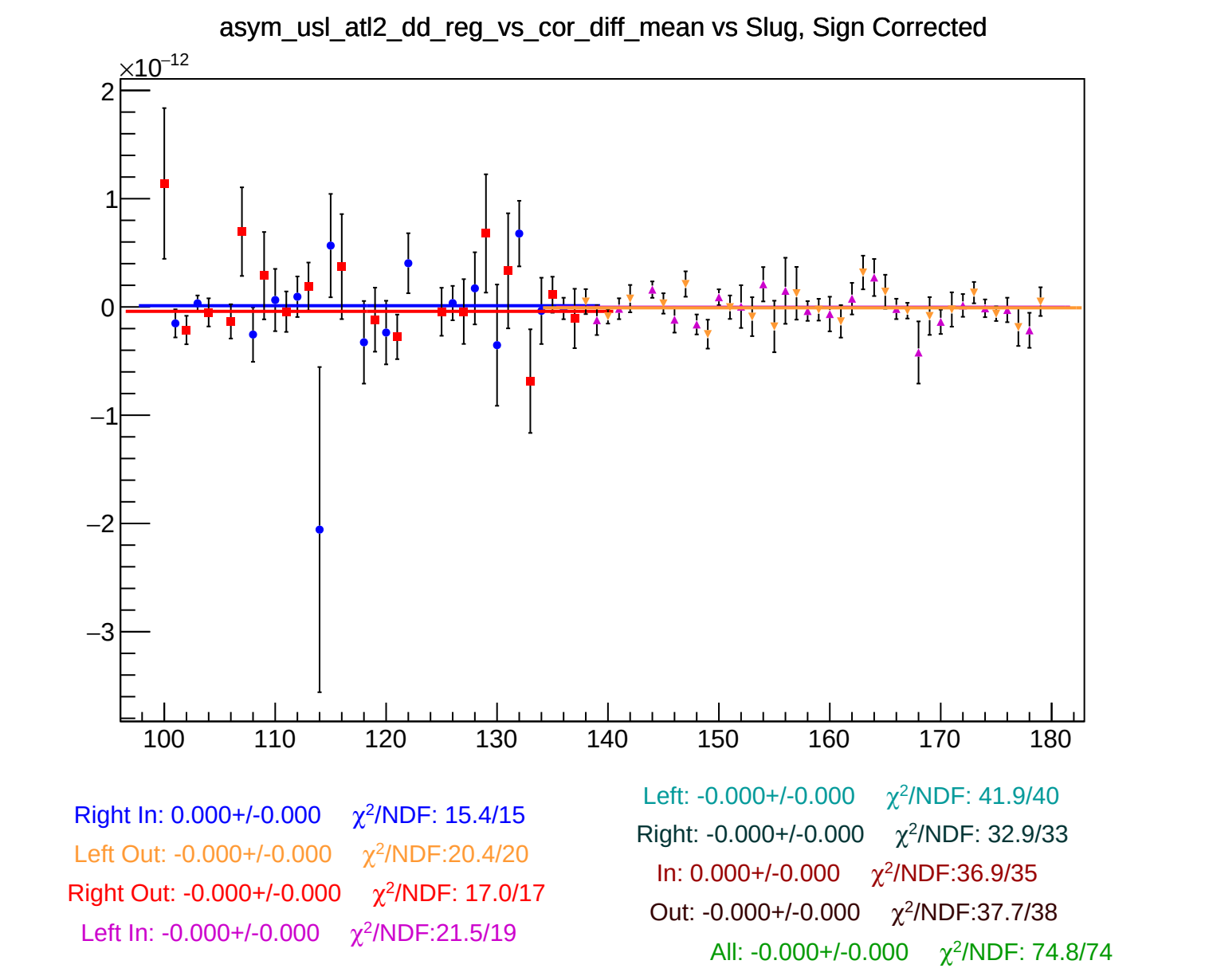
Left: 4203.315+/-0.527 χ^2/NDF: 1772484.2/40

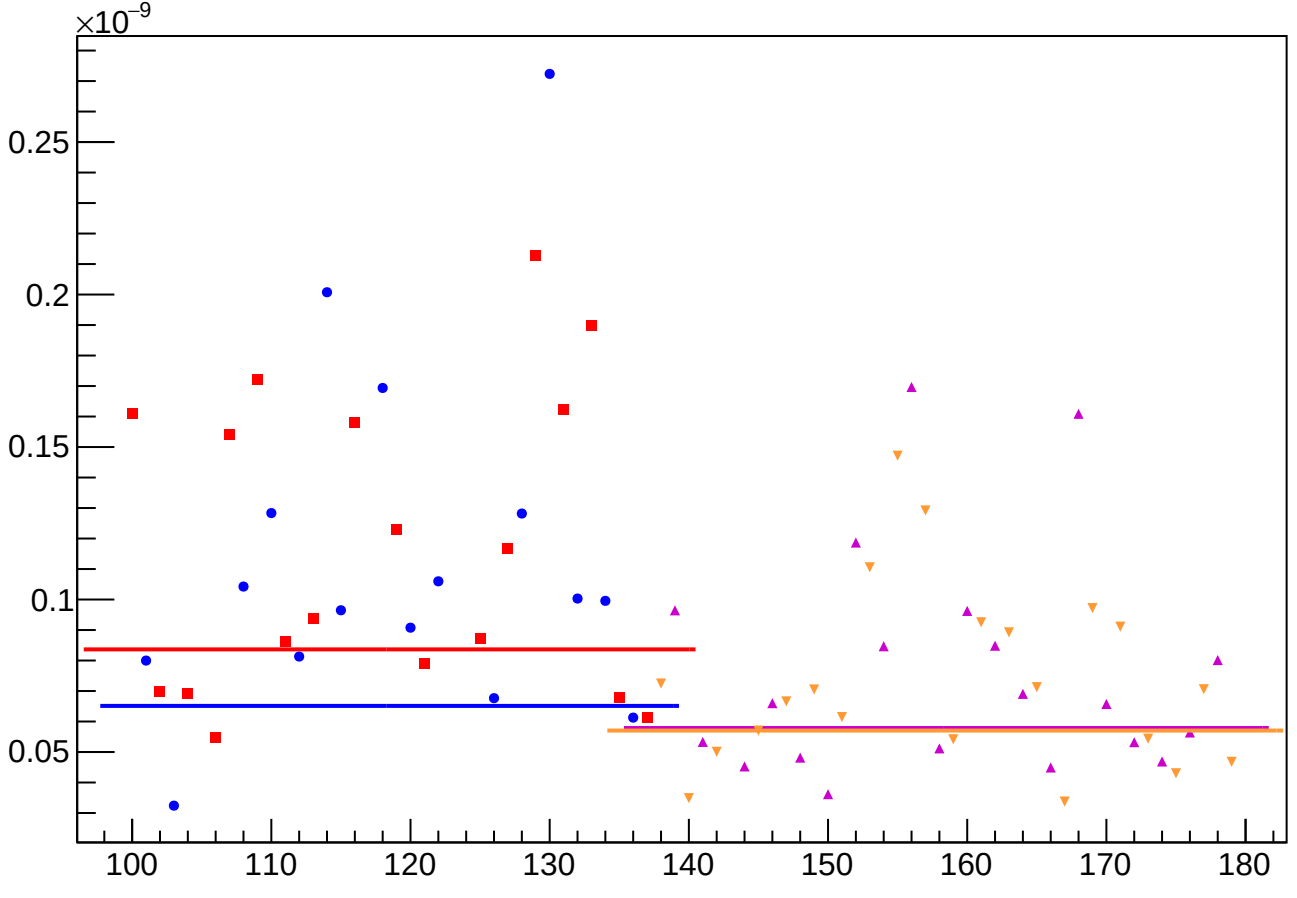
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3444.377+/-0.523 χ^2/NDF:3492381.5/35

Out: 3235.245+/-0.497 χ^2/NDF:4908529.9/38

All: 3334.501+/-0.360 χ^2/NDF: 8484898.1/74


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:20.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: -0.000+/-0.000 χ²/NDF:21.5/19
Left: -0.000+/-0.000 χ²/NDF: 41.9/40
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:36.9/35
Out: -0.000+/-0.000 χ²/NDF:37.7/38
All: -0.000+/-0.000 χ²/NDF: 74.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1669702.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1525924.3/19

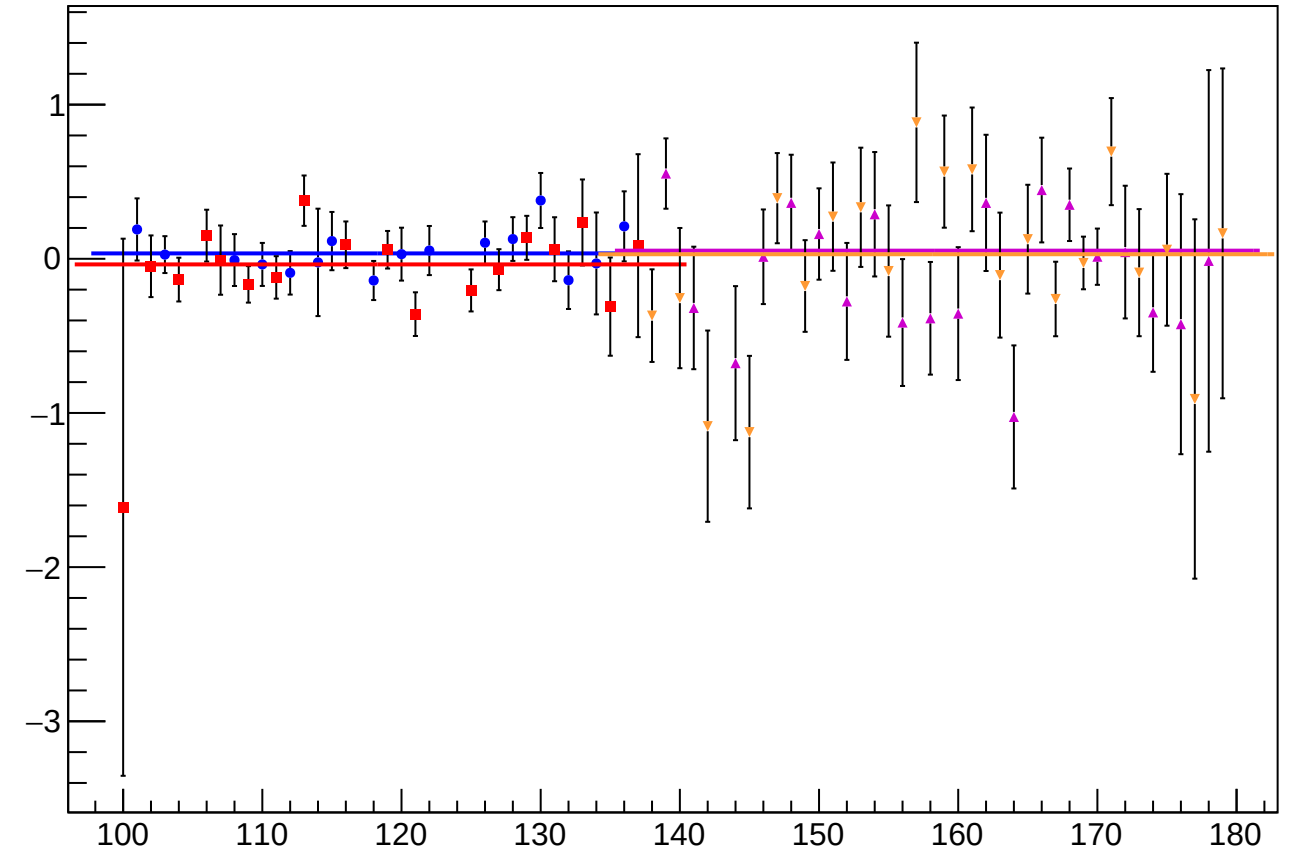
Left: 0.000+/-0.000 χ^2/NDF: 3196736.5/40

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2789455.7/35

Out: 0.000+/-0.000 χ^2/NDF:2771934.5/38

All: 0.000+/-0.000 χ^2/NDF: 5570072.4/74



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/19

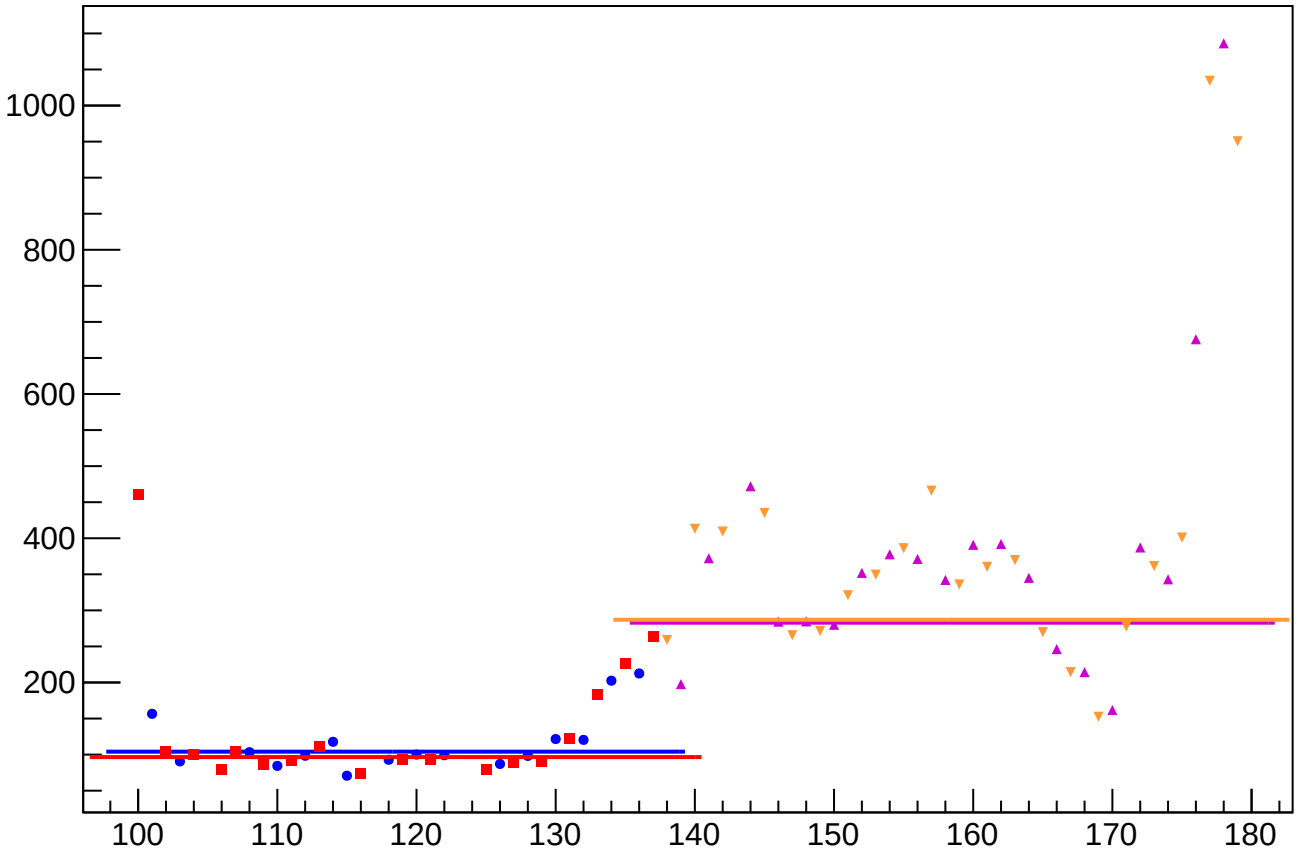
Left: 0.041+/-0.054 χ^2/NDF: 51.0/40

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.007+/-0.025 χ^2/NDF: 84.9/74



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 282.930+/-0.054 χ^2/NDF:3788604.8/19

Left: 284.929+/-0.038 χ^2/NDF: 8034152.2/40

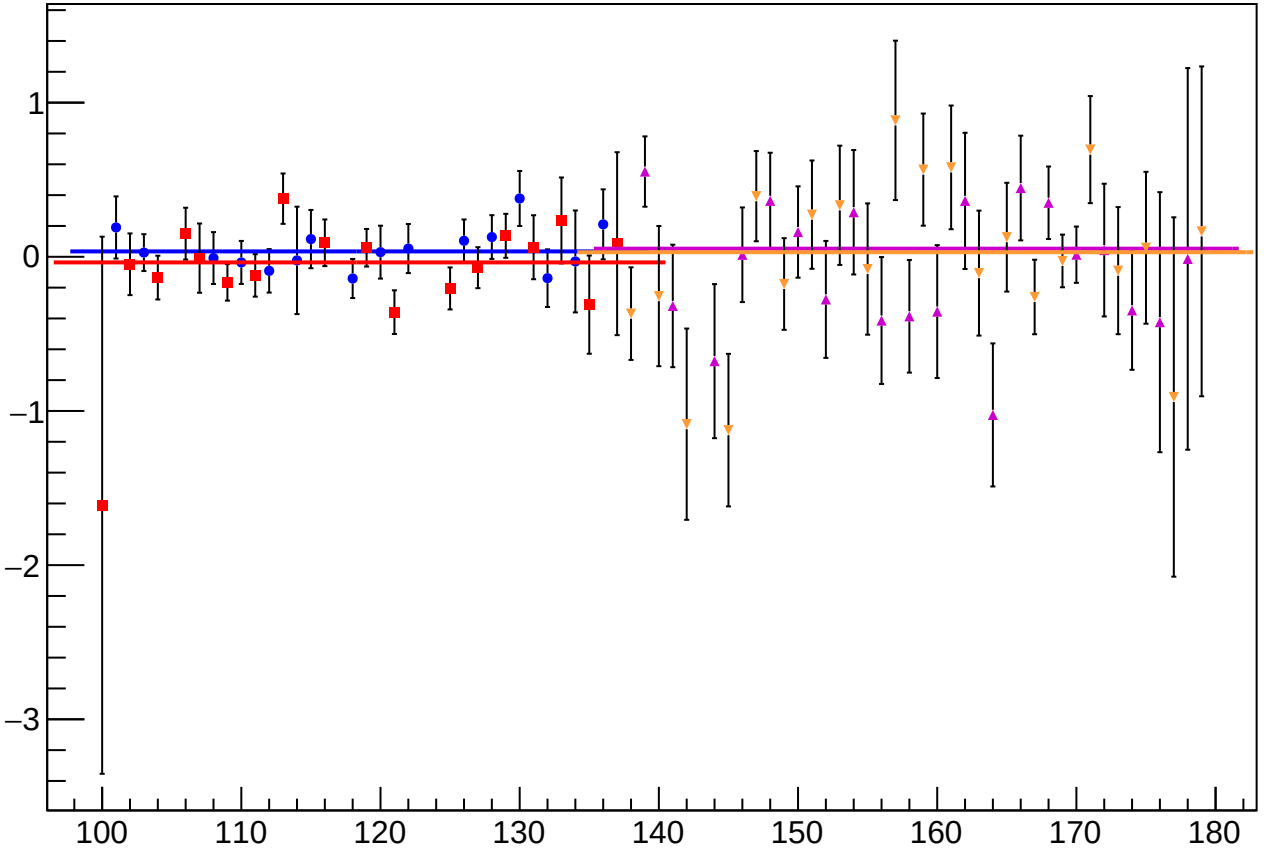
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 144.695+/-0.026 χ^2/NDF:13403010.3/35

Out: 135.326+/-0.025 χ^2/NDF:14952757.6/38

All: 139.831+/-0.018 χ^2/NDF: 28425808.7/74

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/19

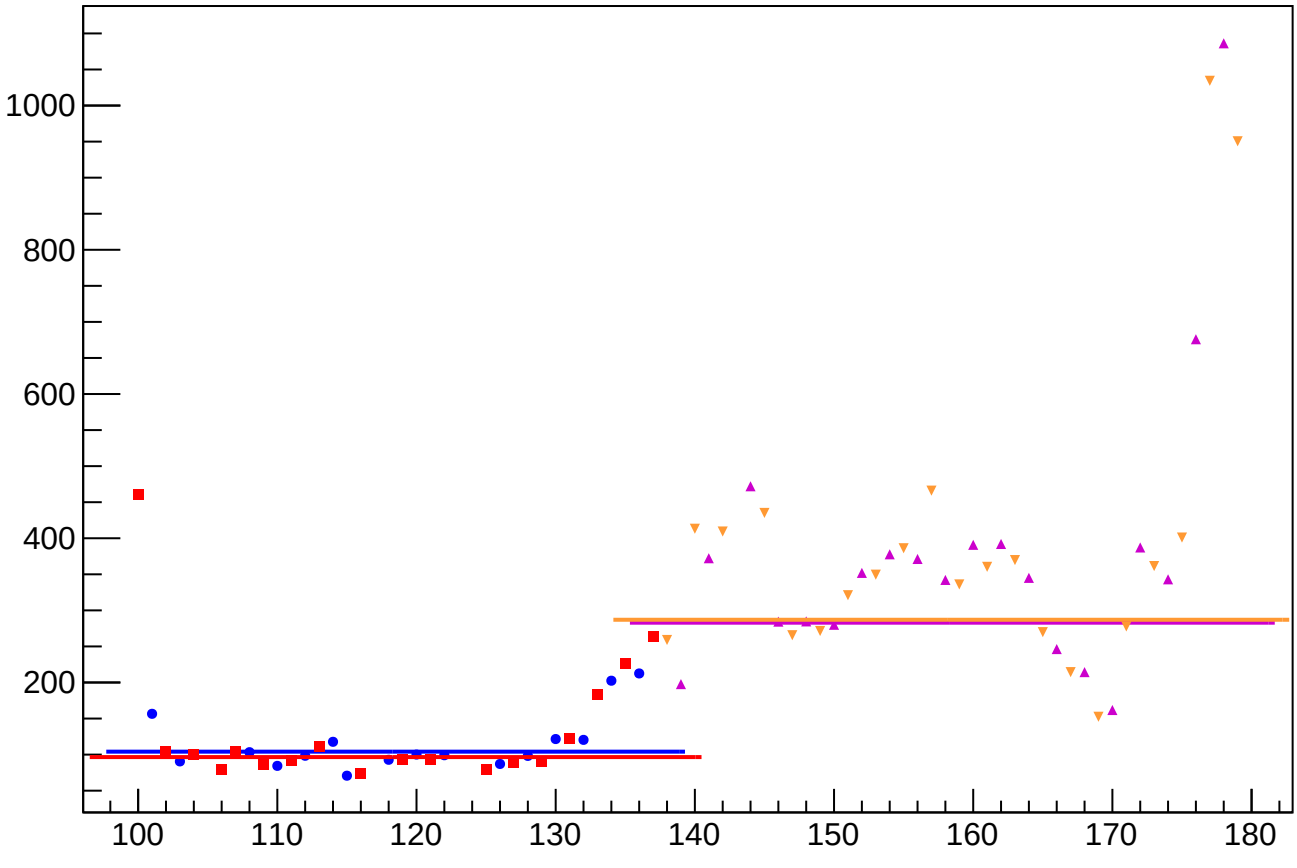
Left: 0.041+/-0.054 χ^2/NDF: 51.0/40

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.007+/-0.025 χ^2/NDF: 84.9/74



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 286.993+/-0.054 χ^2/NDF:4242715.5/20

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 282.930+/-0.054 χ^2/NDF:3788604.8/19

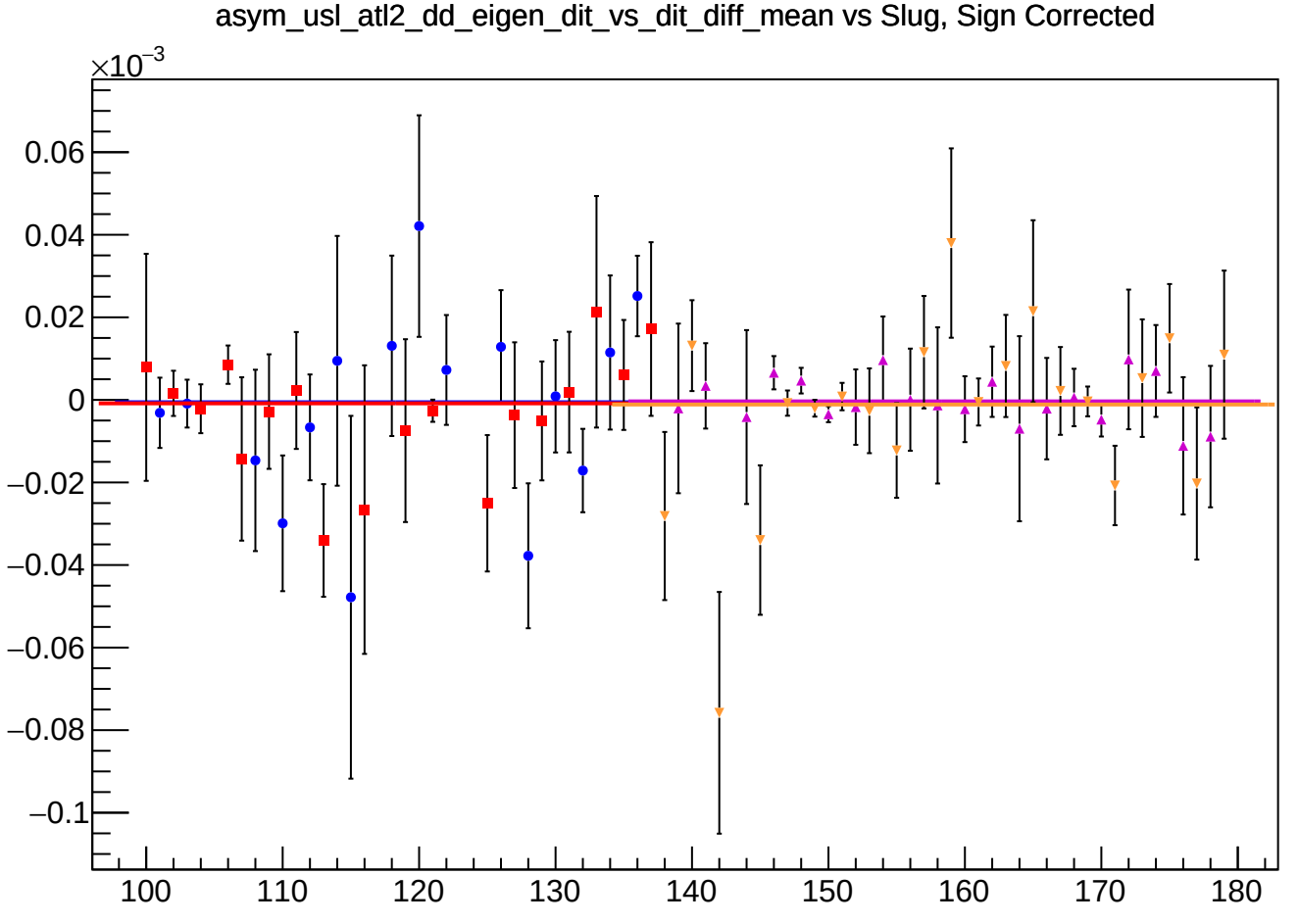
Left: 284.929+/-0.038 χ^2/NDF: 8034152.2/40

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 144.695+/-0.026 χ^2/NDF:13403010.3/35

Out: 135.326+/-0.025 χ^2/NDF:14952757.6/38

All: 139.831+/-0.018 χ^2/NDF: 28425808.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.4/19

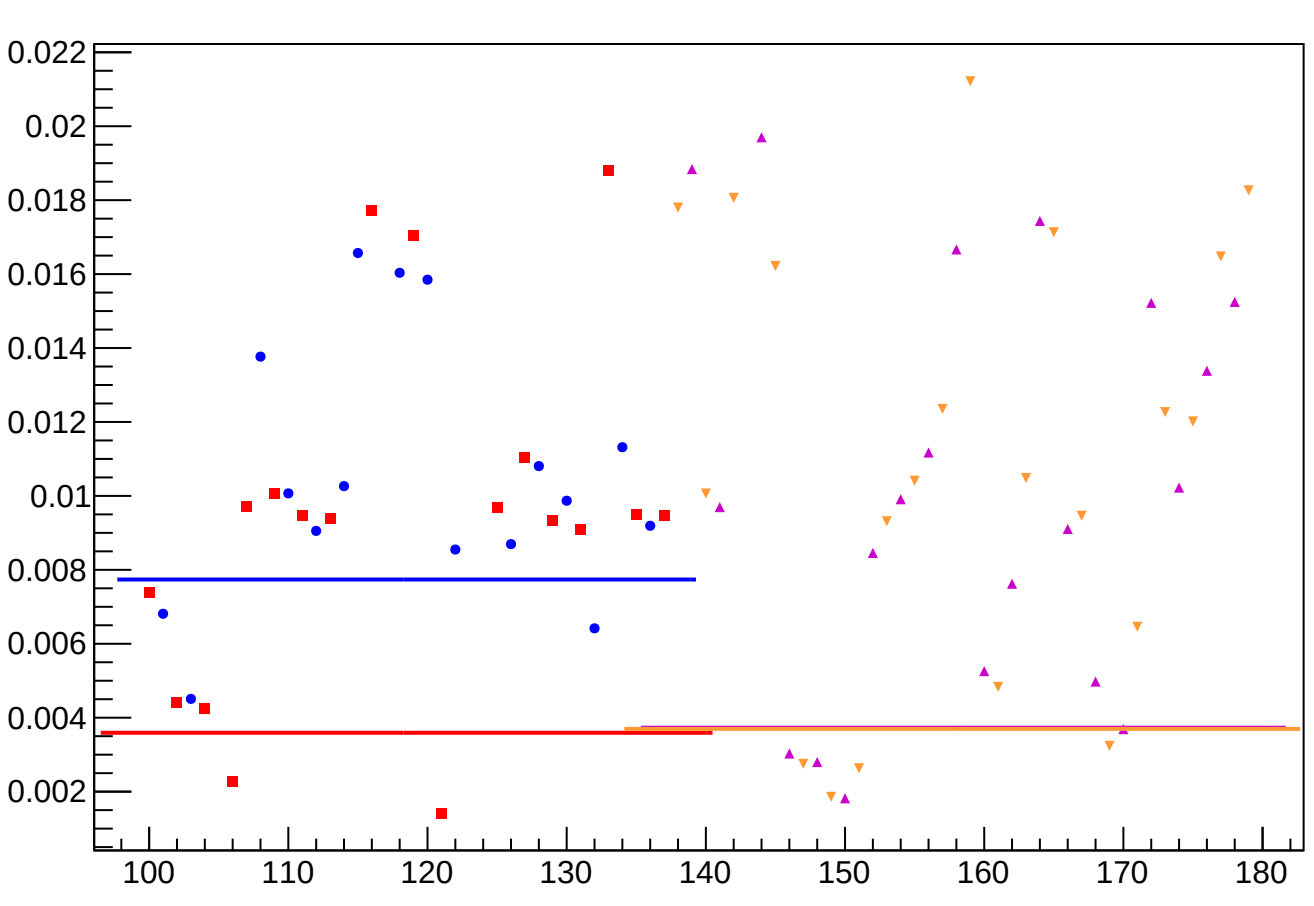
Left: -0.000+/-0.000 χ^2/NDF: 40.1/40

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: -0.000+/-0.000 χ^2/NDF:43.4/38

All: -0.000+/-0.000 χ^2/NDF: 80.0/74



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:14071754.2/20

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:12858545.2/19

Left: 0.004+/-0.000 χ^2/NDF: 26930925.6/40

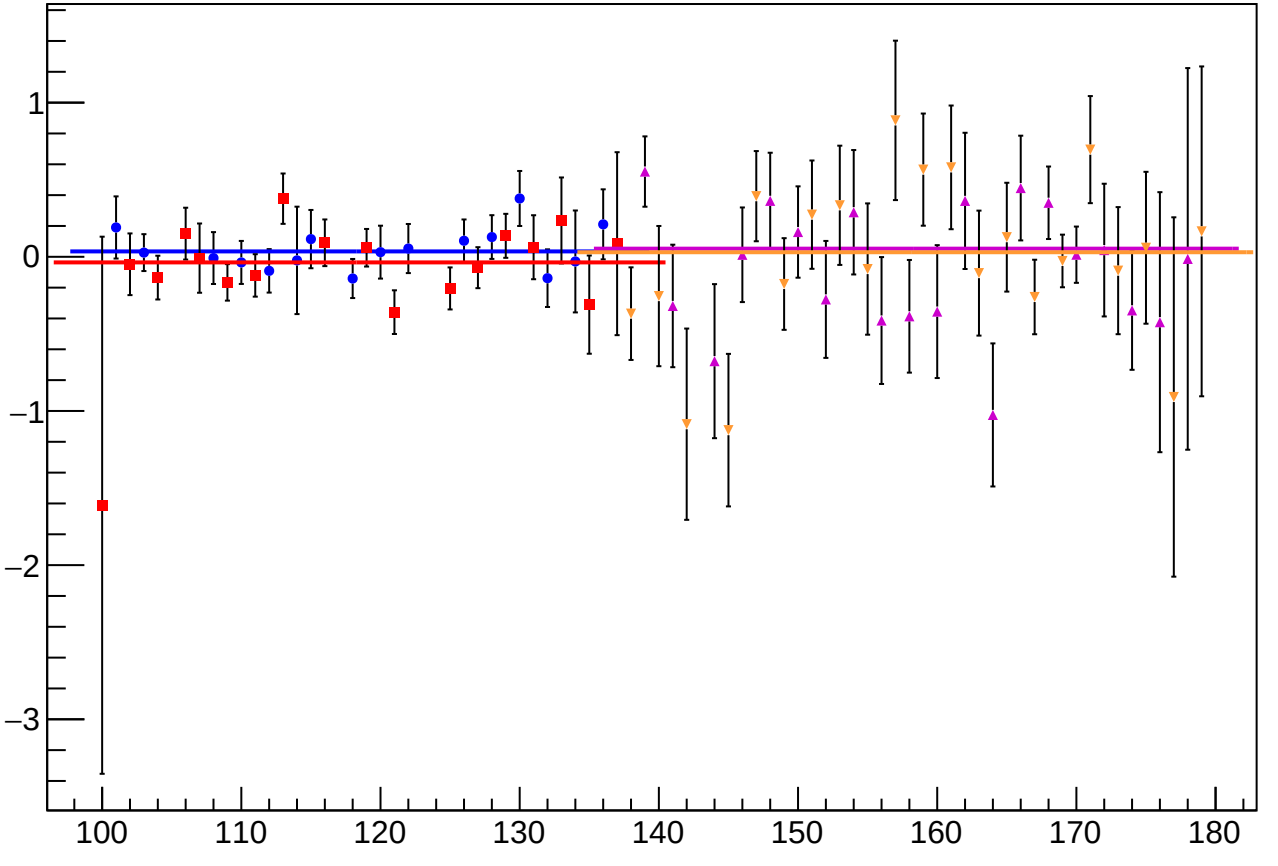
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:17402569.2/35

Out: 0.004+/-0.000 χ^2/NDF:20441116.5/38

All: 0.004+/-0.000 χ^2/NDF: 38175905.5/74

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/19

Left: 0.041+/-0.054 χ^2/NDF: 51.0/40

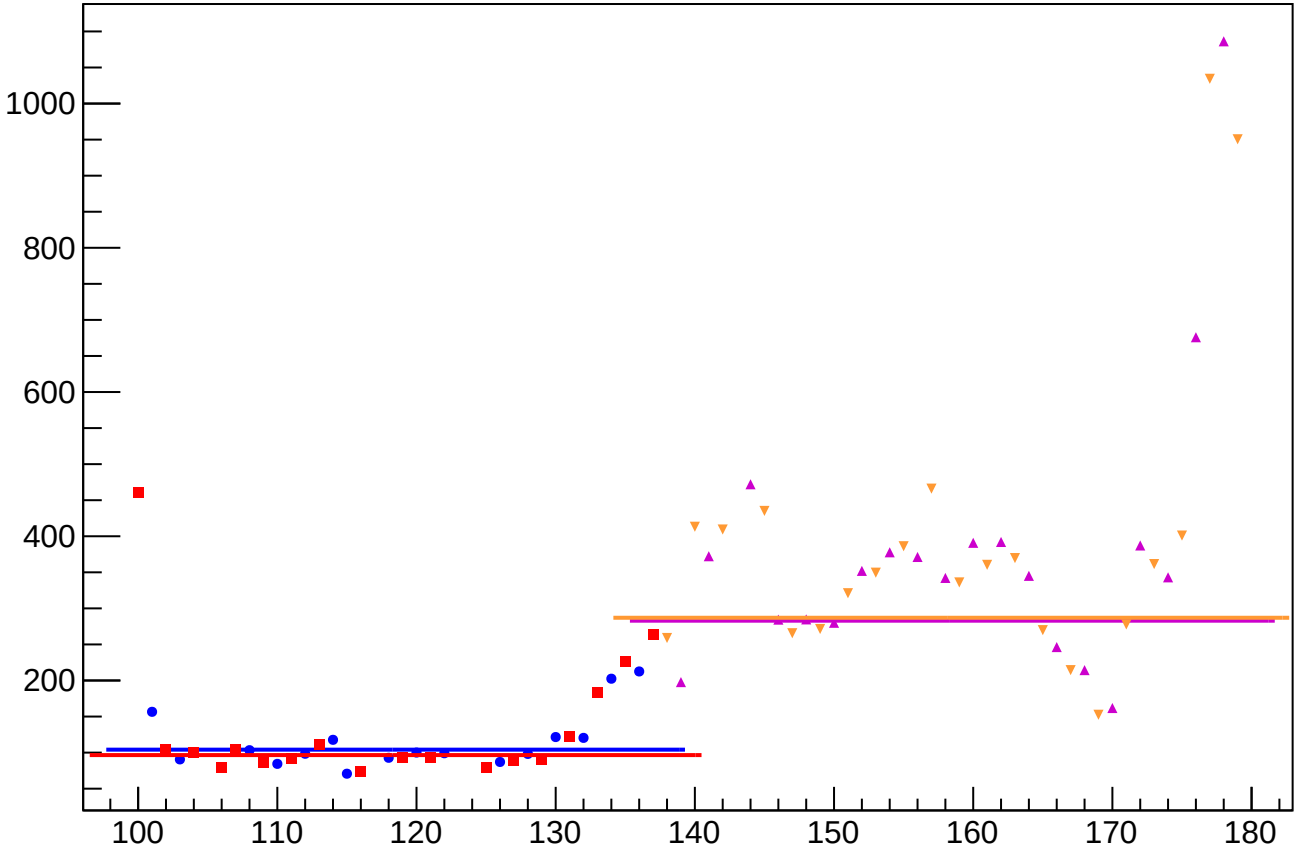
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.007+/-0.025 χ^2/NDF: 84.9/74

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

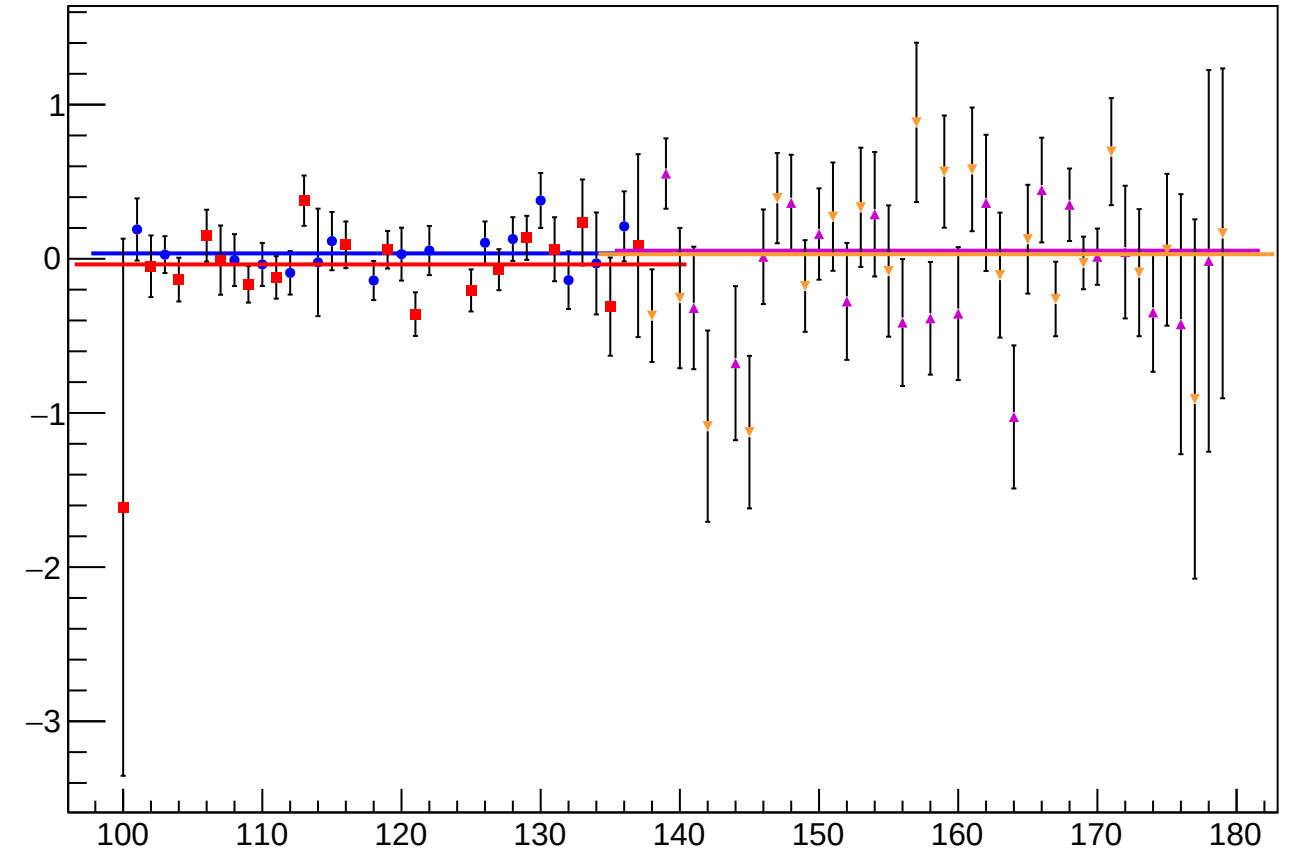
Left: 284.931+/-0.038 χ^2/NDF: 8034167.5/40

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 144.696+/-0.026 χ^2/NDF:13402982.8/35

Out: 135.327+/-0.025 χ^2/NDF:14952646.8/38

All: 139.832+/-0.018 χ^2/NDF: 28425662.9/74



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.030+/-0.077 χ^2/NDF:27.0/20

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/19

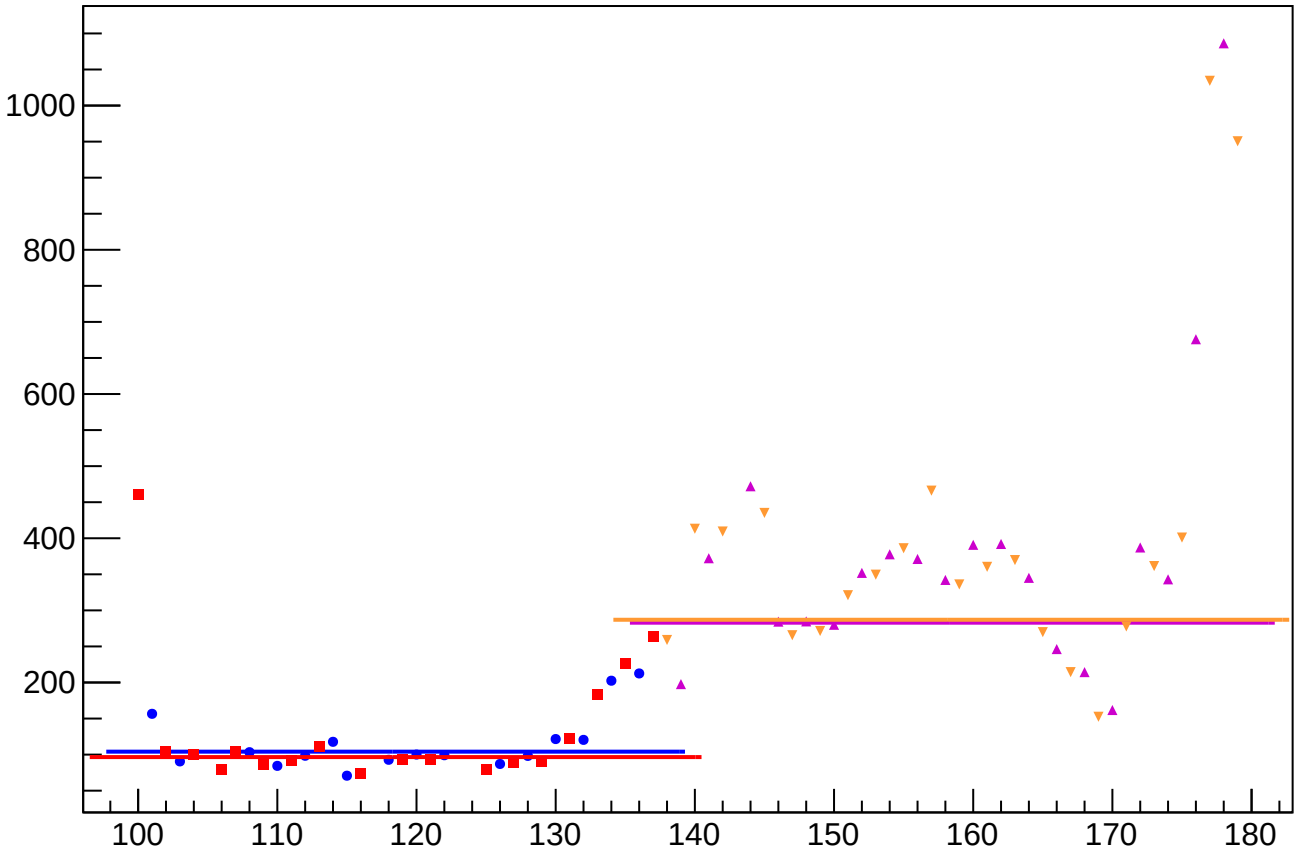
Left: 0.041+/-0.054 χ^2/NDF: 51.0/40

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/38

All: 0.007+/-0.025 χ^2/NDF: 84.9/74



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 286.994+/-0.054 χ^2/NDF:4242774.0/20

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

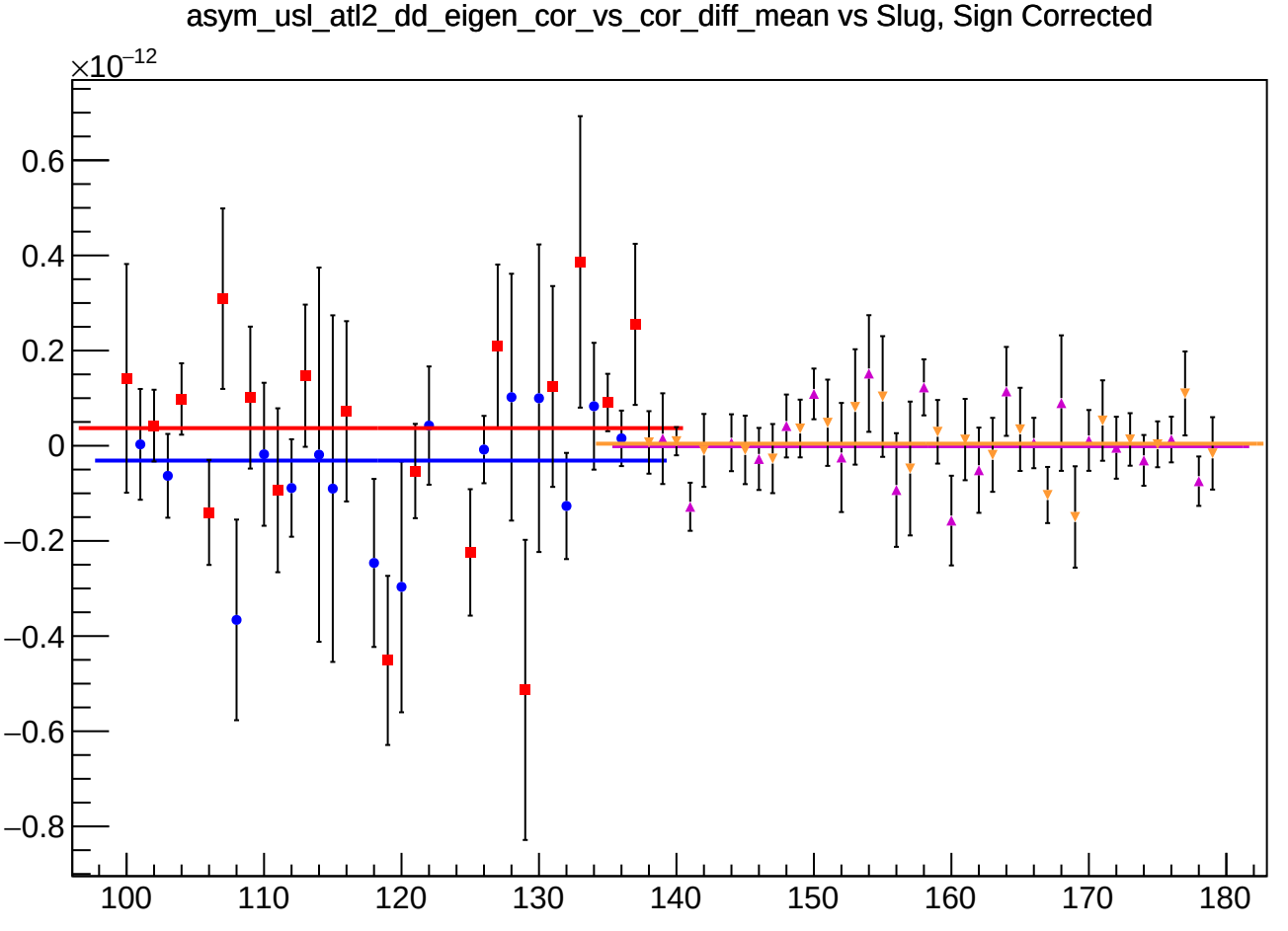
Left: 284.931+/-0.038 χ^2/NDF: 8034167.5/40

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 144.696+/-0.026 χ^2/NDF:13402982.8/35

Out: 135.327+/-0.025 χ^2/NDF:14952646.8/38

All: 139.832+/-0.018 χ^2/NDF: 28425662.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:25.3/19

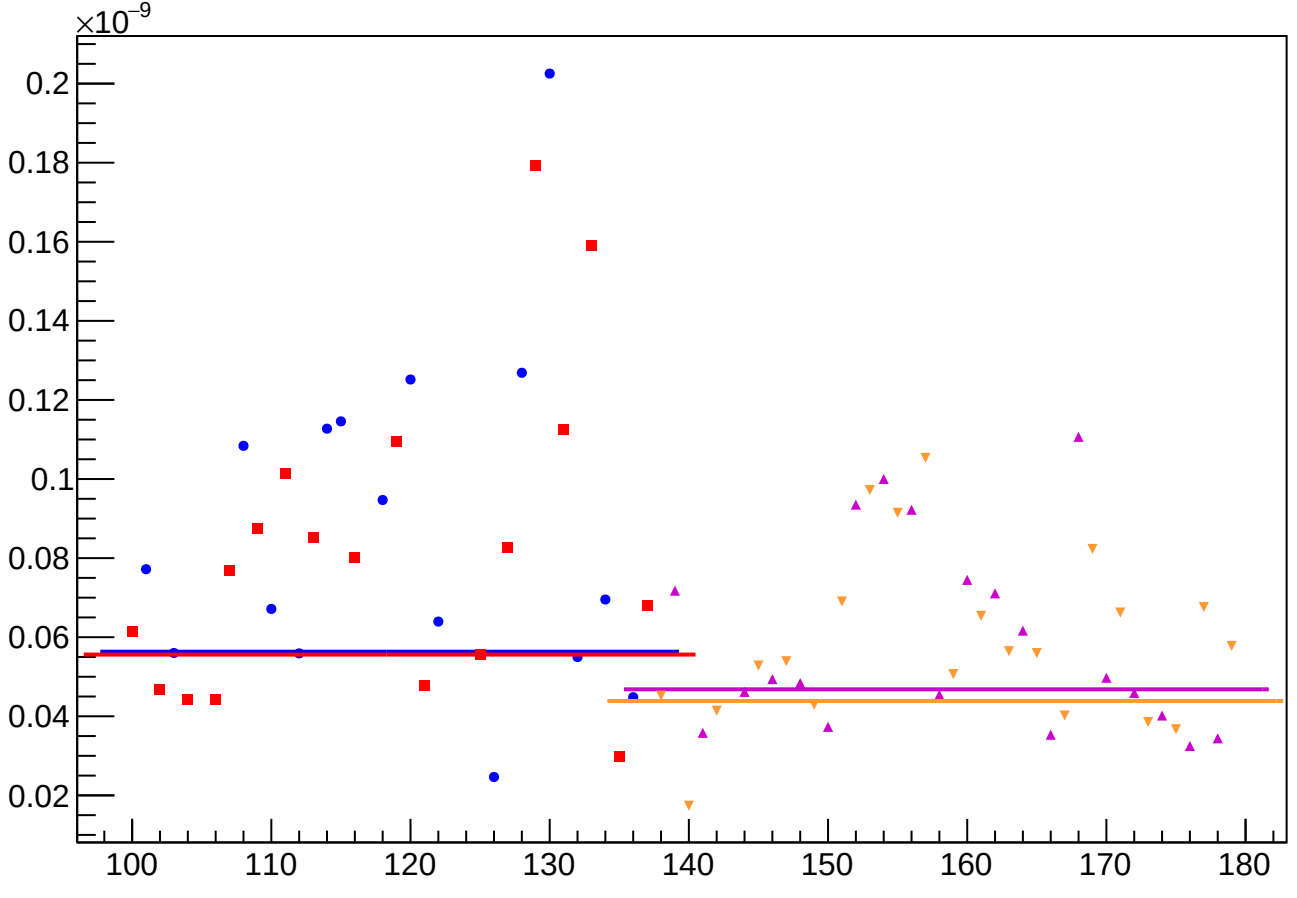
Left: 0.000+/-0.000 χ^2/NDF: 34.9/40

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:34.7/35

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 73.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3800174.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2492580.8/19

Left: 0.000+/-0.000 χ^2/NDF: 6332743.7/40

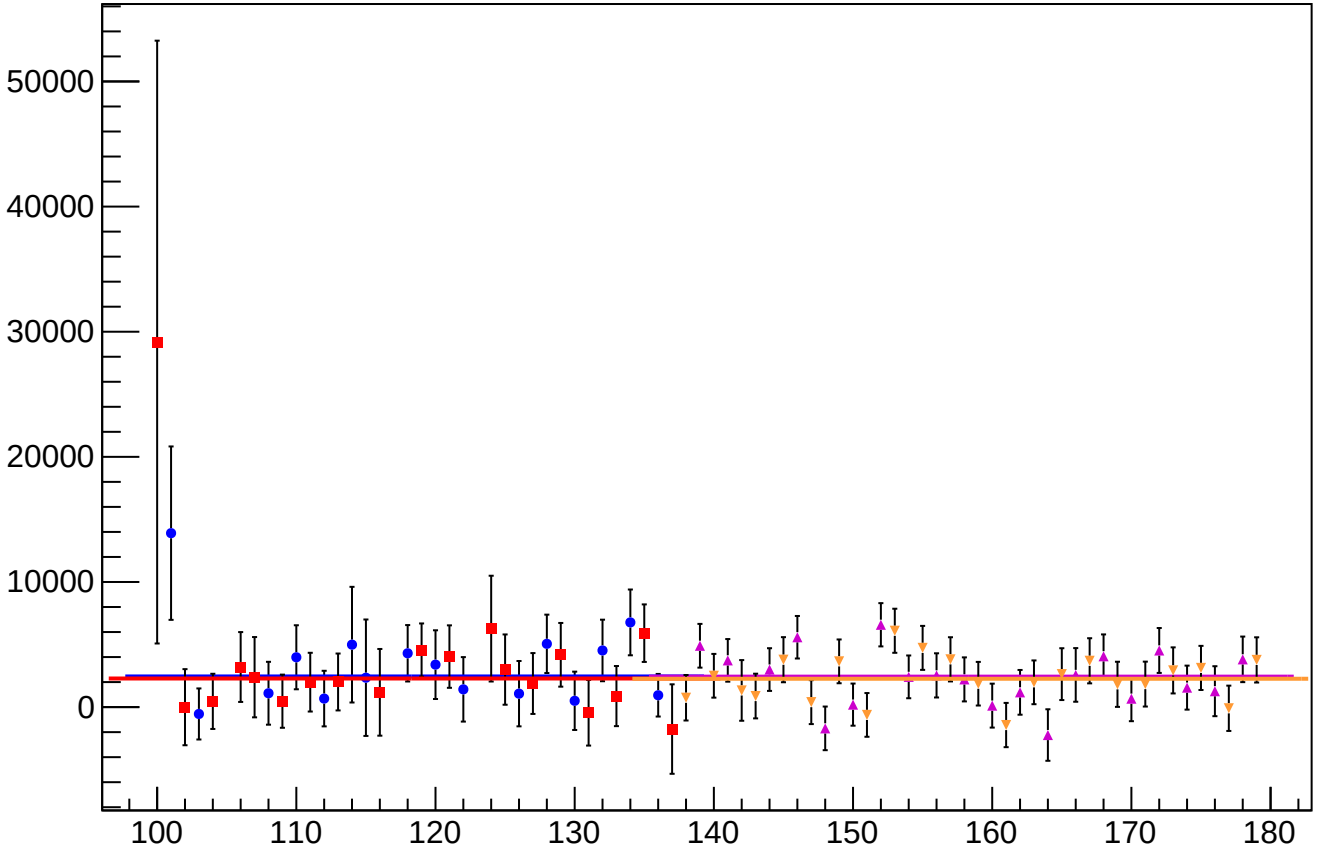
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:4240294.1/35

Out: 0.000+/-0.000 χ^2/NDF:5832815.0/38

All: 0.000+/-0.000 χ^2/NDF: 10108930.4/74

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.221+/-385.477 χ^2/NDF:22.2/21

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2435.297+/-399.053 χ^2/NDF:31.0/19

Left: 2347.834+/-277.249 χ^2/NDF: 53.3/41

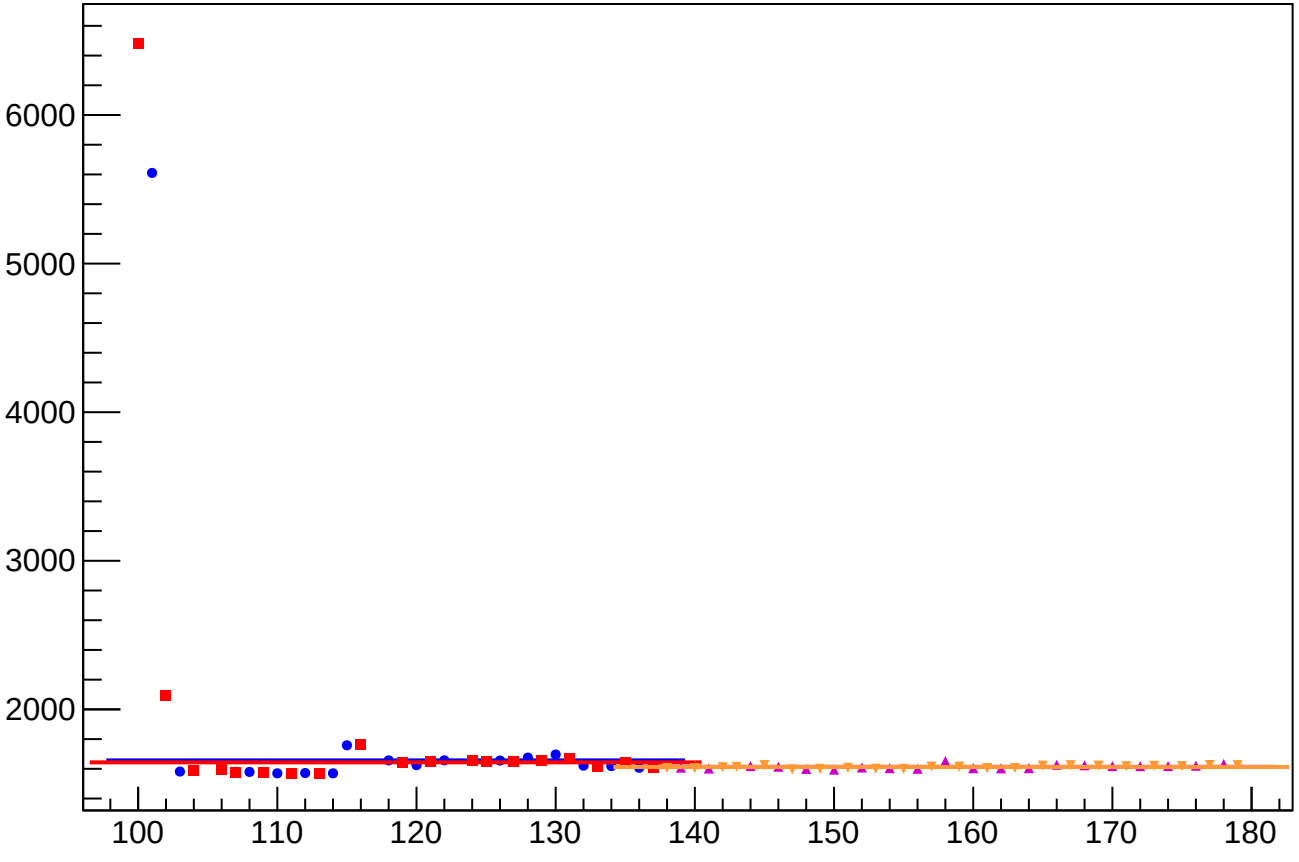
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2439.492+/-337.151 χ^2/NDF:44.8/35

Out: 2272.041+/-325.736 χ^2/NDF:34.0/40

All: 2352.884+/-234.262 χ^2/NDF: 79.0/76

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

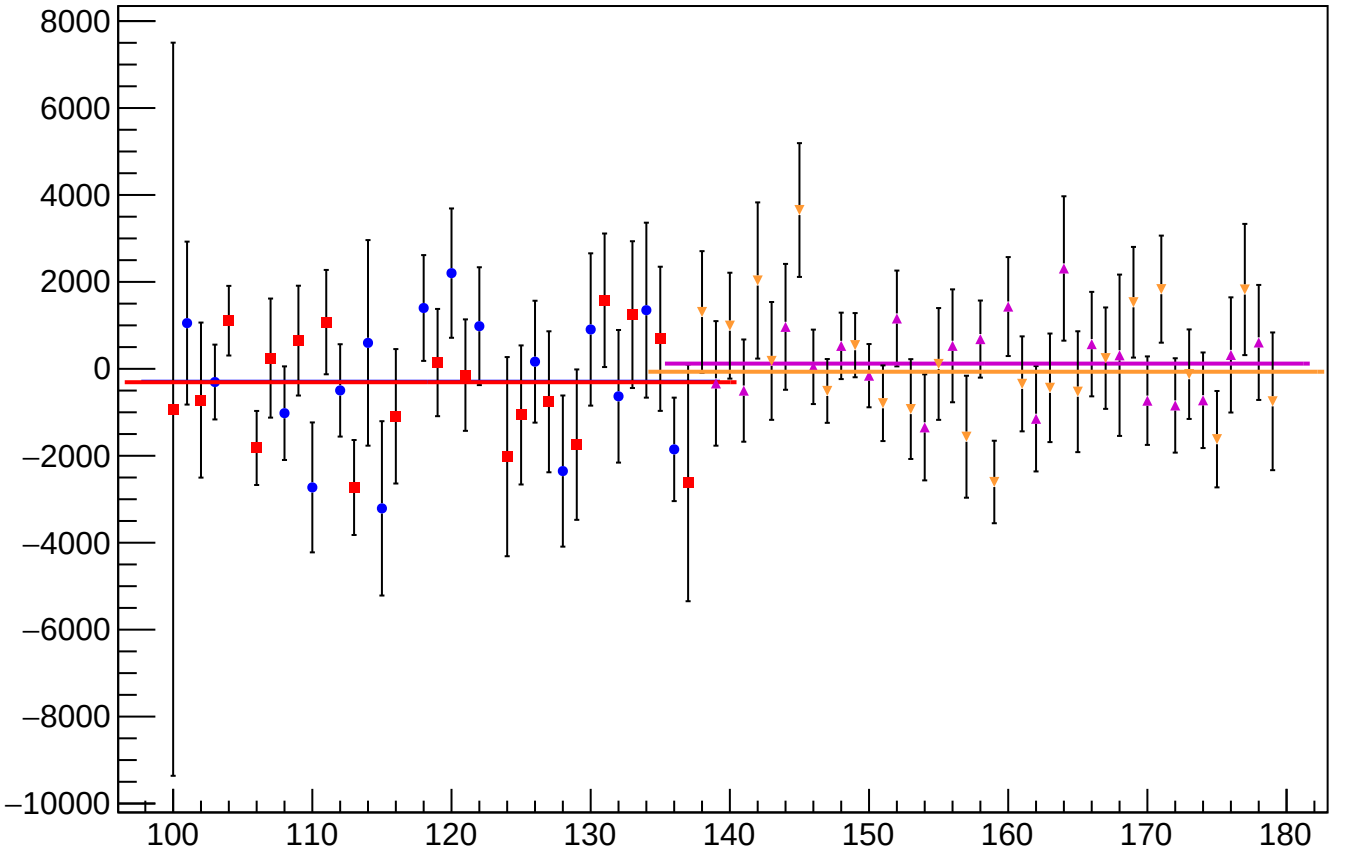
Left: 1612.714+/-0.196 χ^2/NDF: 3477.7/41

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.743+/-0.238 χ^2/NDF:675309.2/35

Out: 1621.081+/-0.230 χ^2/NDF:141906.1/40

All: 1623.332+/-0.166 χ^2/NDF: 817413.1/76



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -66.657+/-242.146 χ^2/NDF:27.6/21

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 120.354+/-245.479 χ^2/NDF:10.5/19

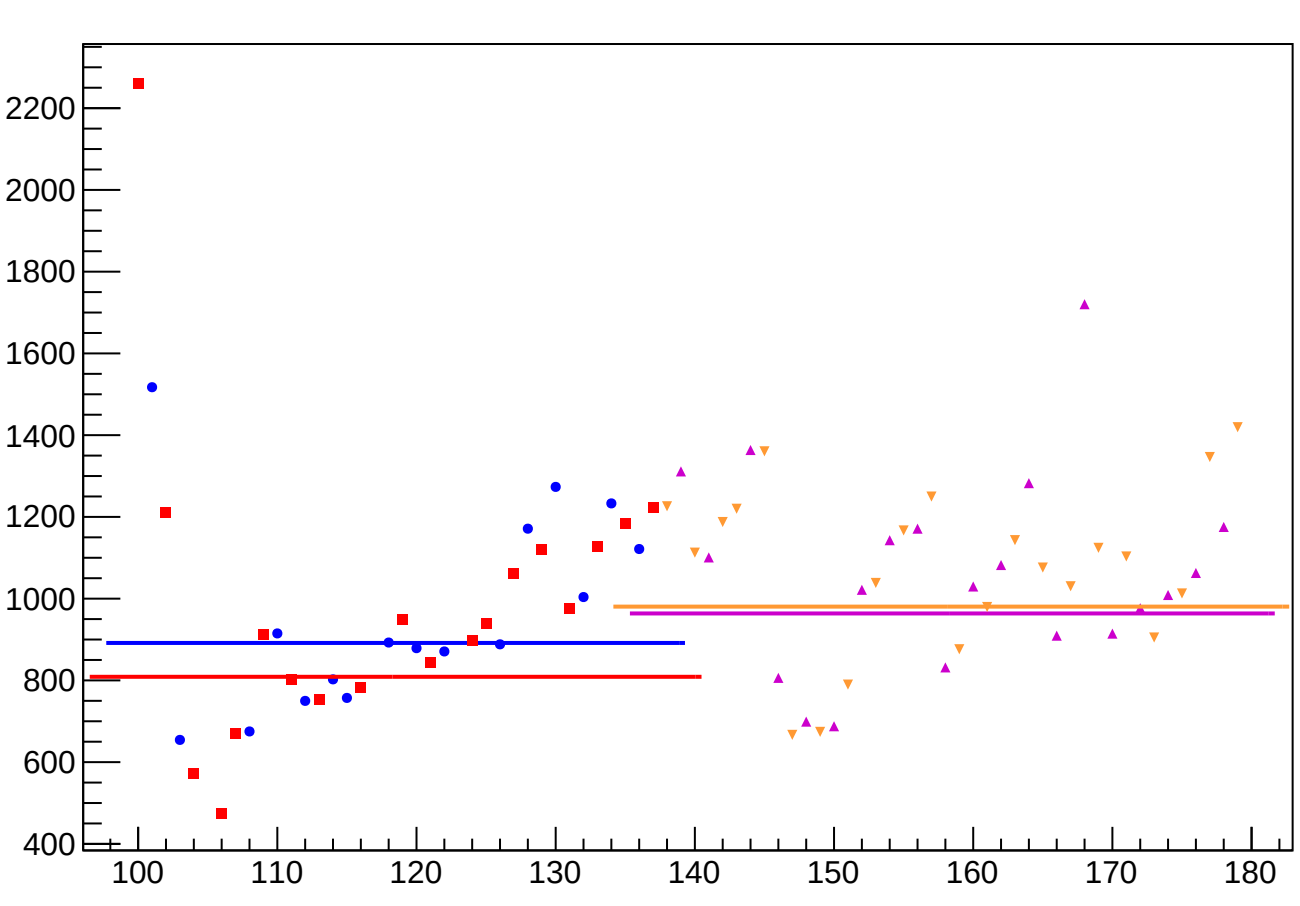
Left: 25.570+/-172.389 χ^2/NDF: 38.4/41

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -20.585+/-199.708 χ^2/NDF:27.5/35

Out: -156.905+/-191.517 χ^2/NDF:46.6/40

All: -91.598+/-138.228 χ^2/NDF: 74.4/76



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 980.514+/-0.171 χ^2/NDF:1623086.5/21

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 963.785+/-0.174 χ^2/NDF:1543715.4/19

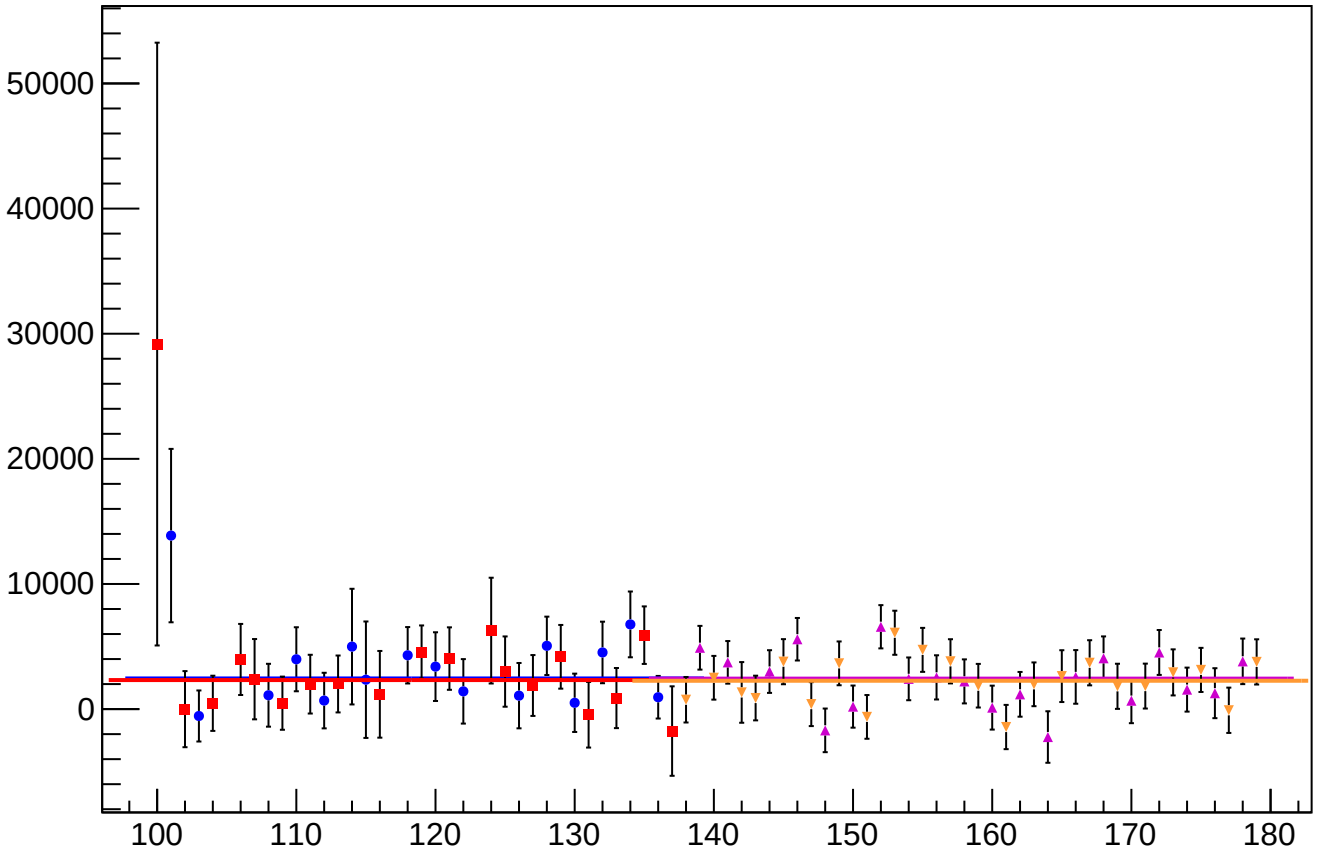
Left: 972.264+/-0.122 χ^2/NDF: 3171509.8/41

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 939.387+/-0.141 χ^2/NDF:2396037.8/35

Out: 916.220+/-0.135 χ^2/NDF:3083490.0/40

All: 927.319+/-0.098 χ^2/NDF: 5493549.0/76



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2435.333+/-399.053 χ^2/NDF:31.0/19

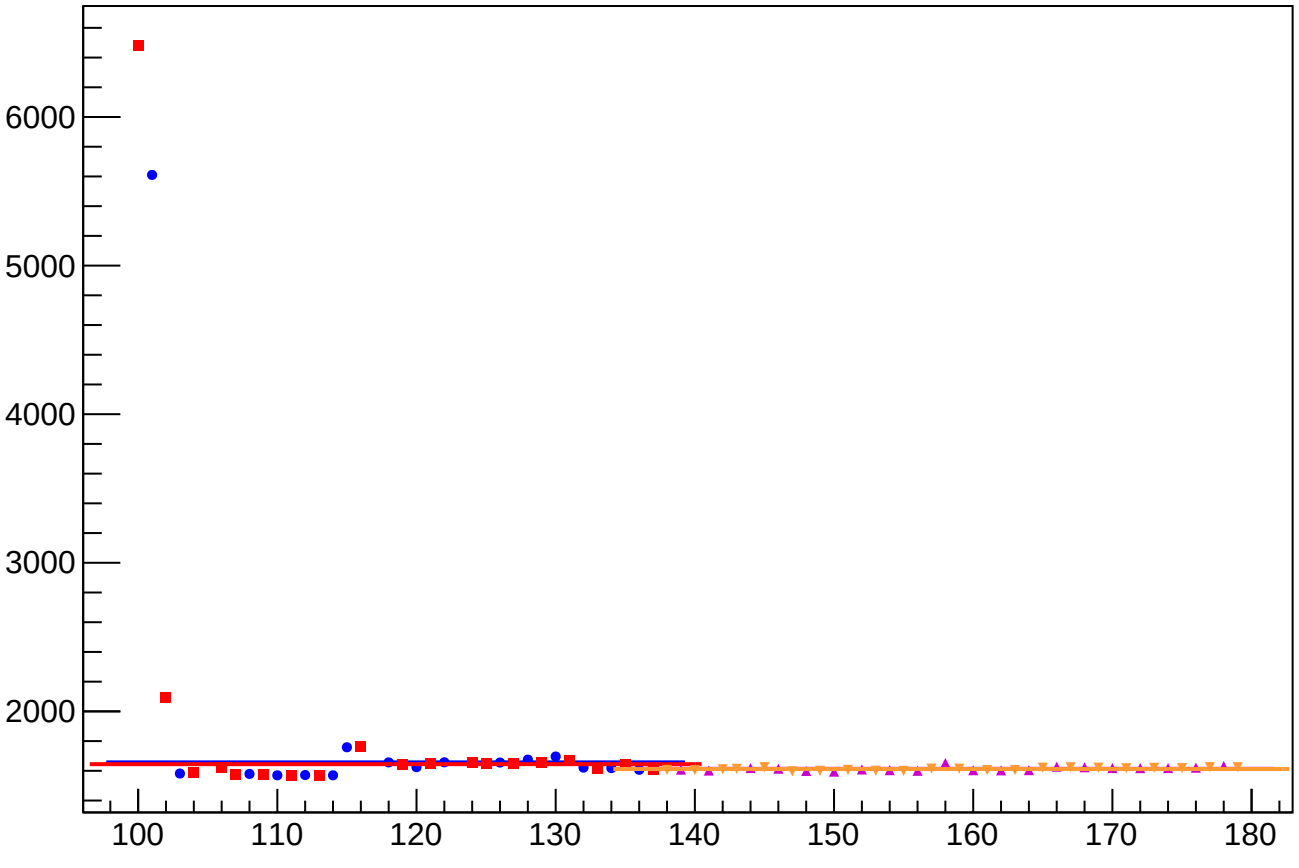
Left: 2347.841+/-277.249 χ^2/NDF: 53.3/41

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2439.358+/-337.151 χ^2/NDF:44.8/35

Out: 2281.730+/-325.813 χ^2/NDF:34.2/40

All: 2357.849+/-234.290 χ^2/NDF: 79.2/76



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

Left: 1612.714+/-0.196 χ^2/NDF: 3477.7/41

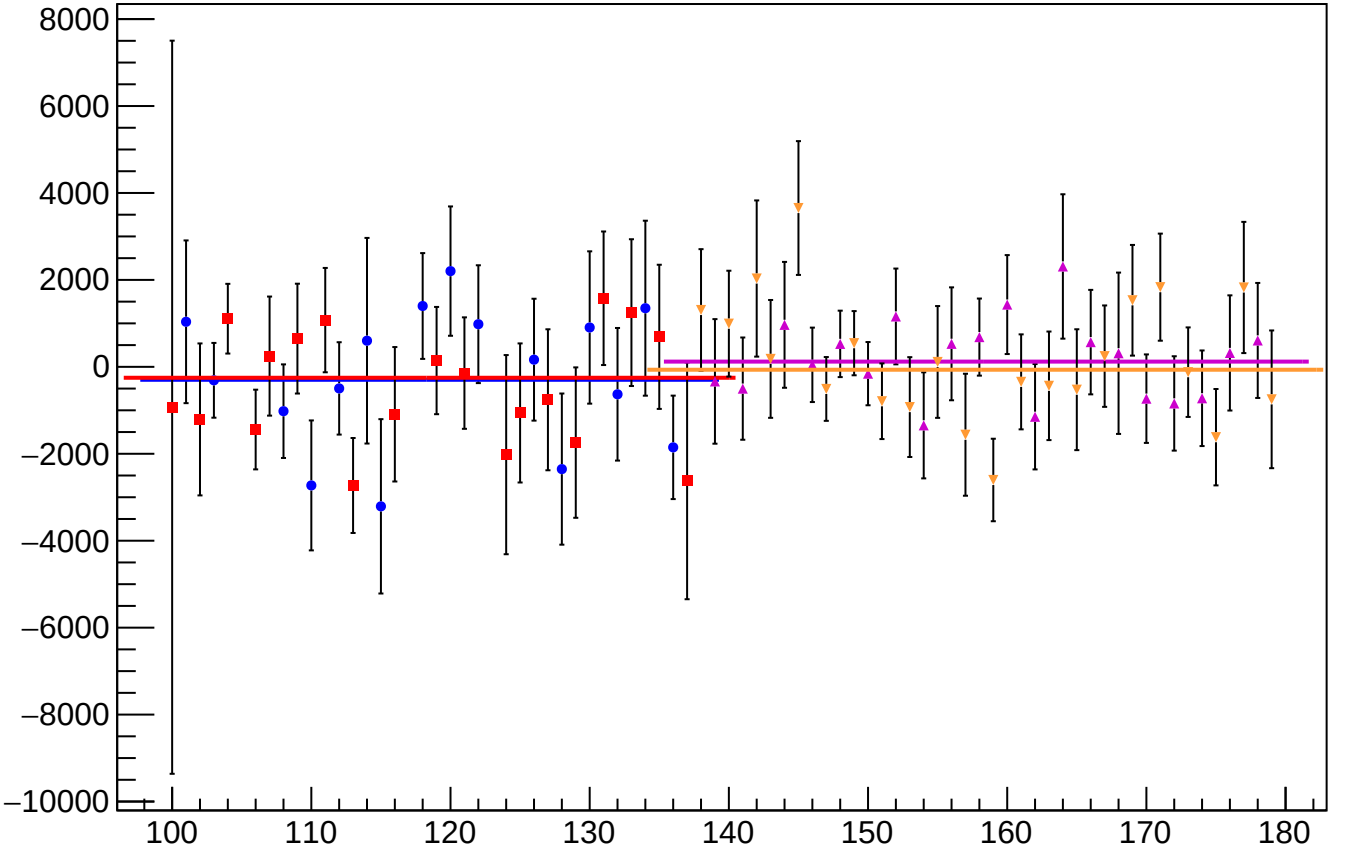
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.743+/-0.238 χ^2/NDF:675308.7/35

Out: 1621.442+/-0.230 χ^2/NDF:141706.9/40

All: 1623.519+/-0.166 χ^2/NDF: 817183.9/76

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -66.711+/-242.144 χ^2/NDF:27.6/21

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 120.381+/-245.480 χ^2/NDF:10.5/19

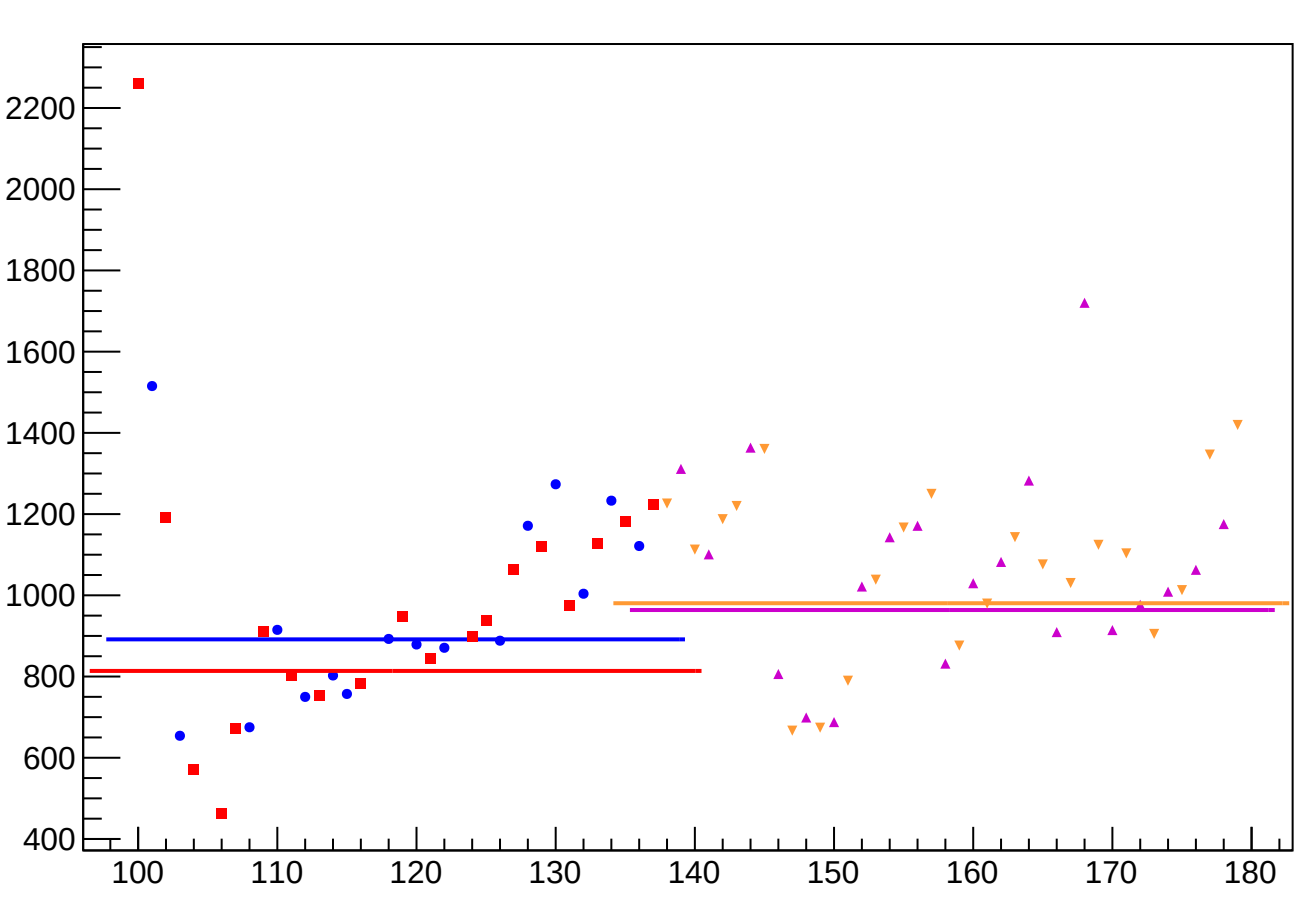
Left: 25.555+/-172.389 χ^2/NDF: 38.4/41

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -21.048+/-199.700 χ^2/NDF:27.5/35

Out: -135.043+/-192.147 χ^2/NDF:45.0/40

All: -80.242+/-138.462 χ^2/NDF: 72.7/76



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 980.506+/-0.171 χ^2/NDF:1623205.0/21

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

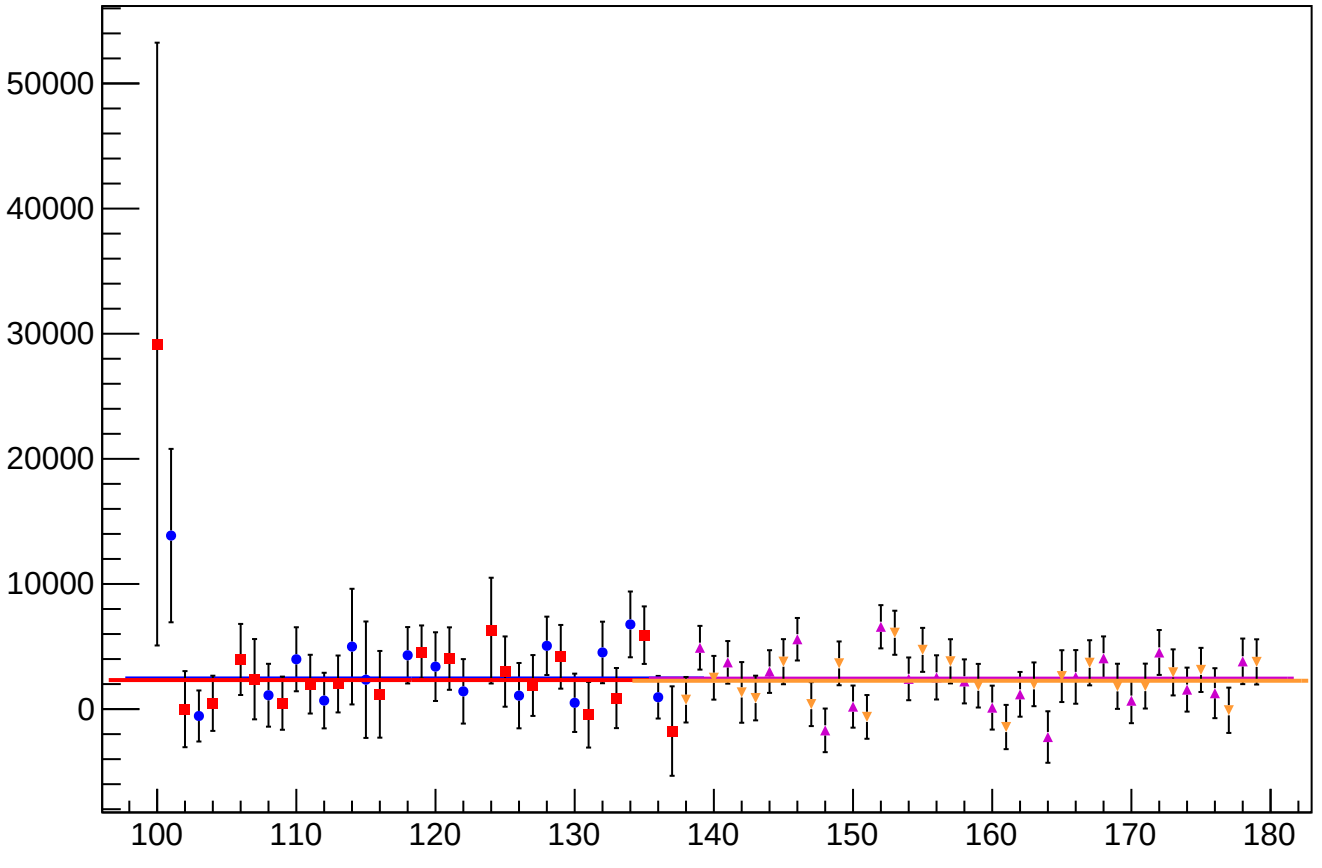
Left: 972.263+/-0.122 χ^2/NDF: 3171579.7/41

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 939.353+/-0.141 χ^2/NDF:2395938.9/35

Out: 918.773+/-0.136 χ^2/NDF:3027213.6/40

All: 928.667+/-0.098 χ^2/NDF: 5434181.5/76



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2266.200+/-385.477 χ^2/NDF:22.2/21

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2435.333+/-399.053 χ^2/NDF:31.0/19

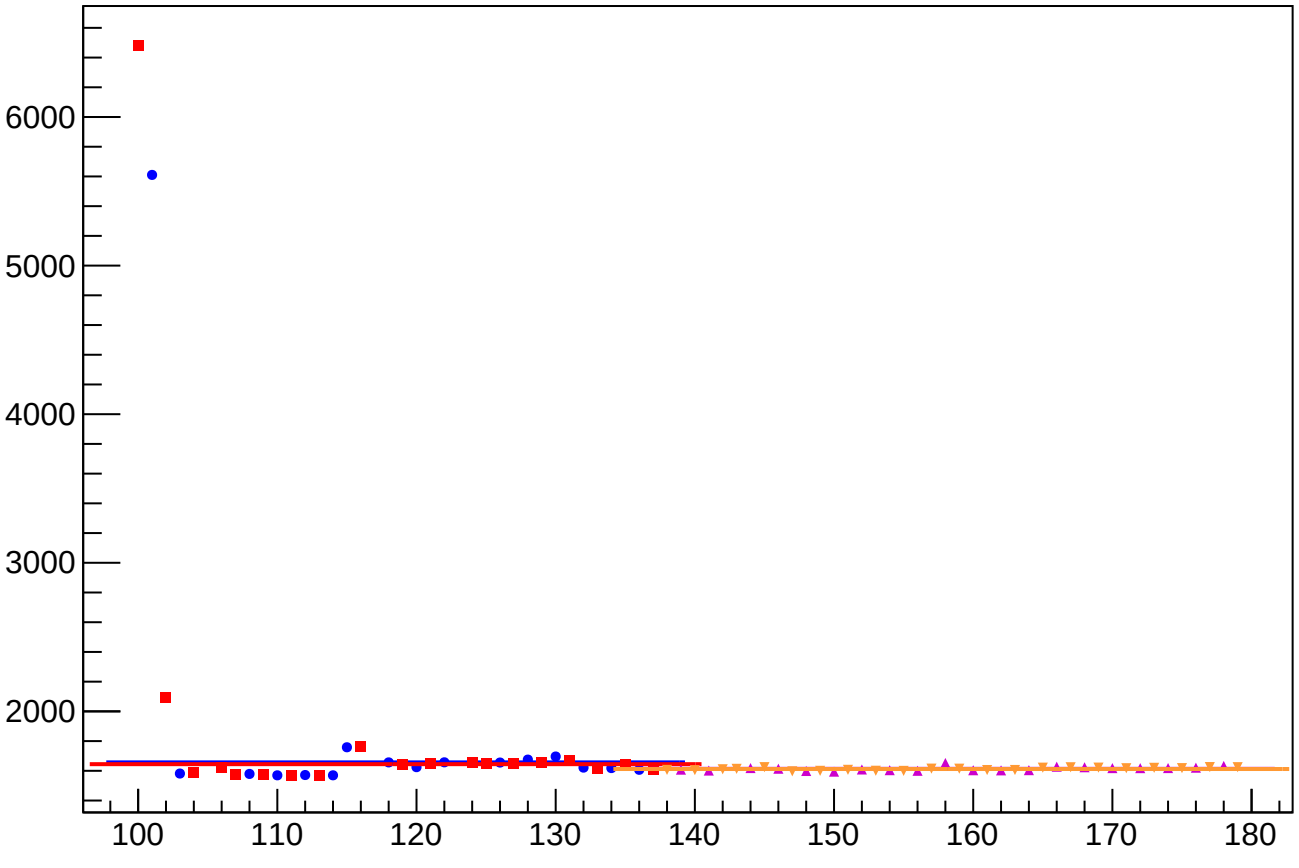
Left: 2347.841+/-277.249 χ^2/NDF: 53.3/41

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2439.358+/-337.151 χ^2/NDF:44.8/35

Out: 2281.730+/-325.813 χ^2/NDF:34.2/40

All: 2357.849+/-234.290 χ^2/NDF: 79.2/76



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1612.131+/-0.273 χ^2/NDF:1137.9/21

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1613.339+/-0.282 χ^2/NDF:2330.3/19

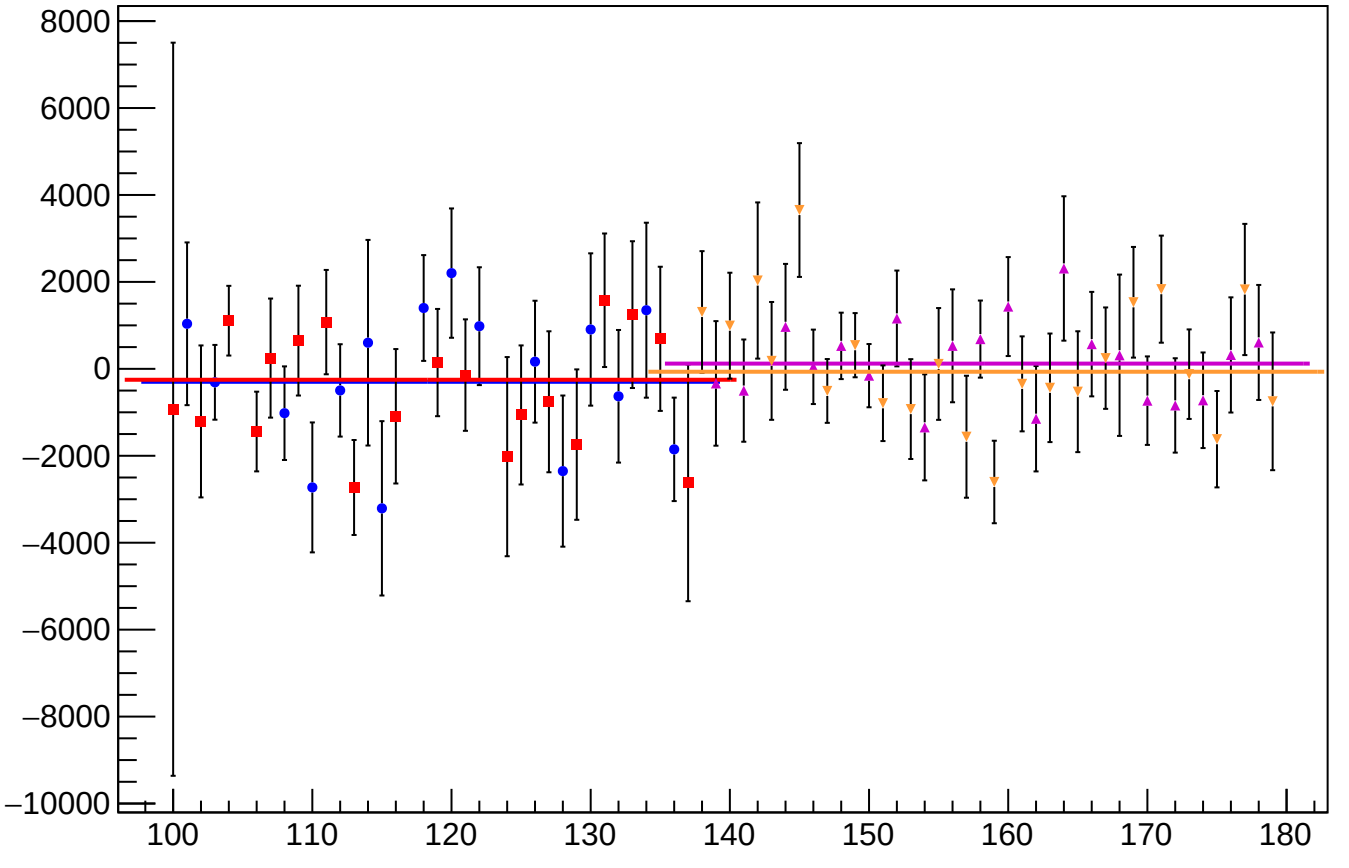
Left: 1612.714+/-0.196 χ^2/NDF: 3477.7/41

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.743+/-0.238 χ^2/NDF:675308.7/35

Out: 1621.442+/-0.230 χ^2/NDF:141706.9/40

All: 1623.519+/-0.166 χ^2/NDF: 817183.9/76



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -66.711+/-242.144 χ^2/NDF:27.6/21

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 120.381+/-245.480 χ^2/NDF:10.5/19

Left: 25.555+/-172.389 χ^2/NDF: 38.4/41

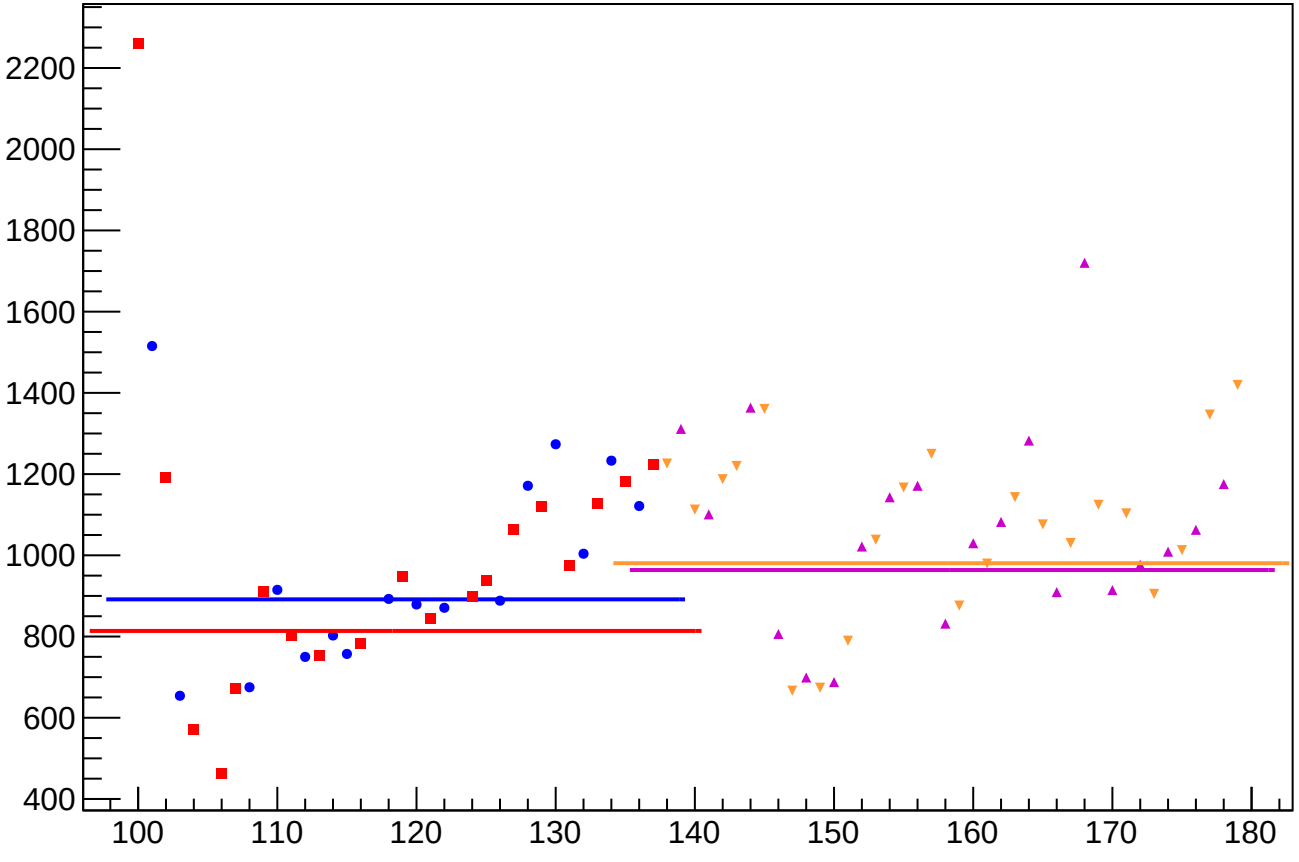
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -21.048+/-199.700 χ^2/NDF:27.5/35

Out: -135.043+/-192.147 χ^2/NDF:45.0/40

All: -80.242+/-138.462 χ^2/NDF: 72.7/76

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 980.506+/-0.171 χ^2/NDF:1623205.0/21

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

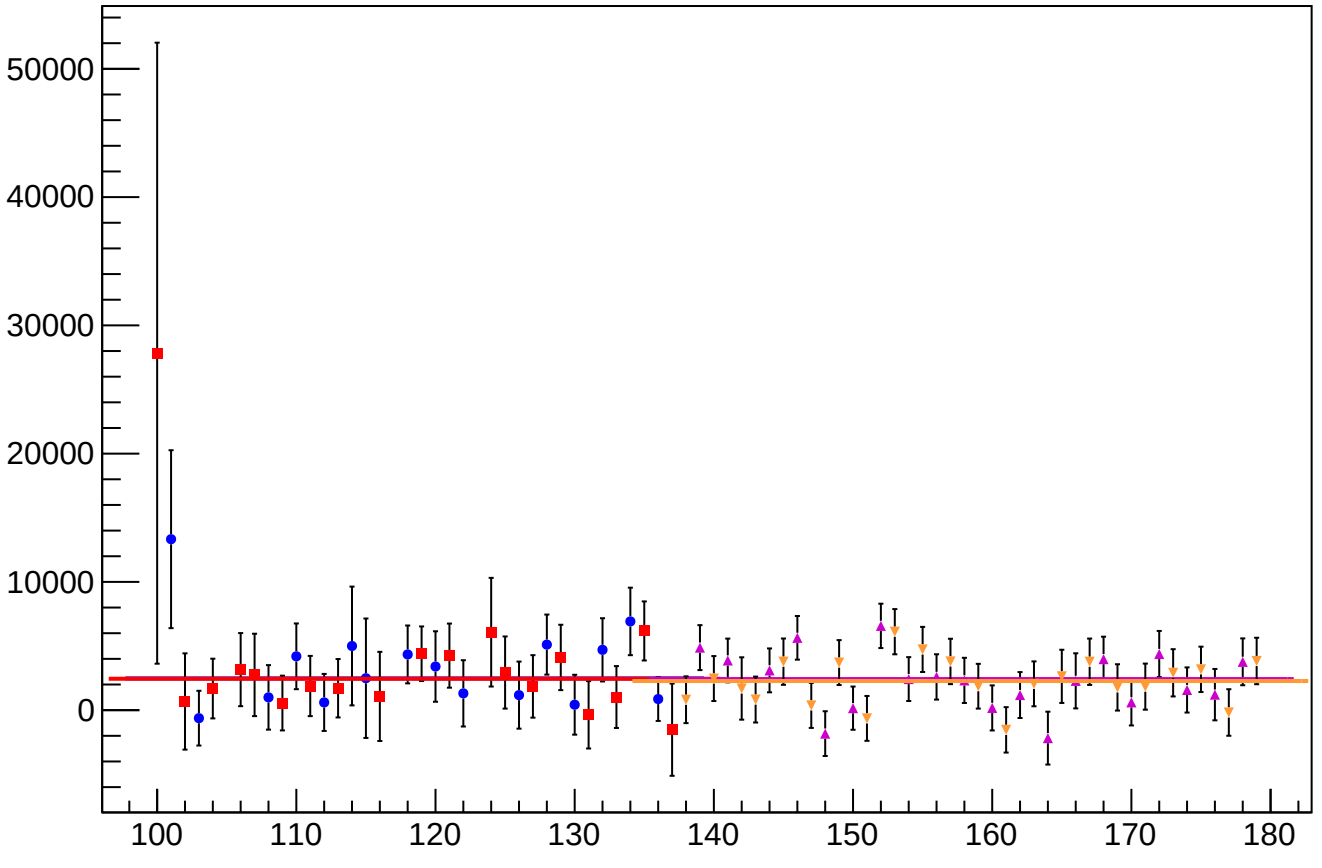
Left: 972.263+/-0.122 χ^2/NDF: 3171579.7/41

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 939.353+/-0.141 χ^2/NDF:2395938.9/35

Out: 918.773+/-0.136 χ^2/NDF:3027213.6/40

All: 928.667+/-0.098 χ^2/NDF: 5434181.5/76



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2424.483+/-399.613 χ^2/NDF:31.2/19

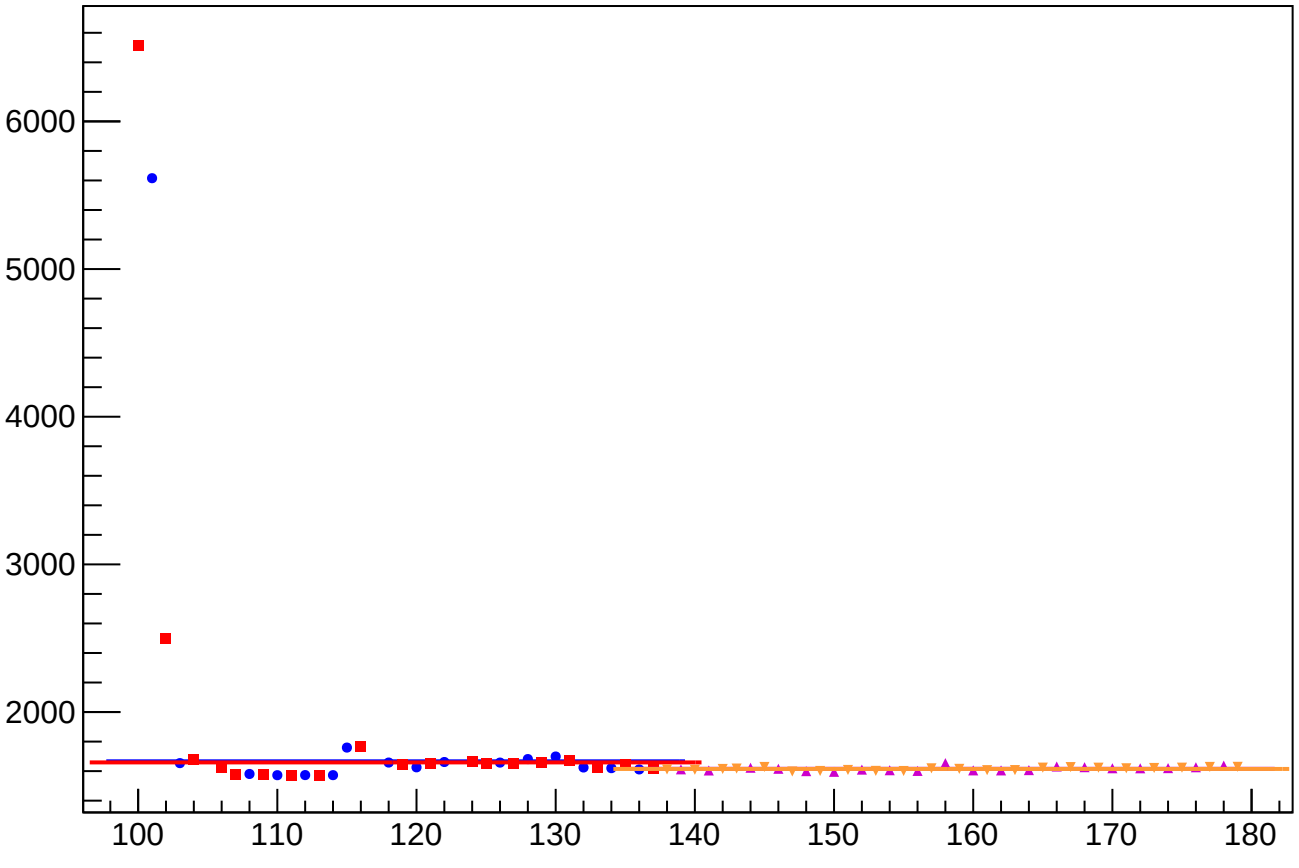
Left: 2346.117+/-277.672 χ^2/NDF: 53.9/41

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2438.916+/-338.042 χ^2/NDF:45.4/35

Out: 2322.450+/-327.384 χ^2/NDF:33.3/40

All: 2378.818+/-235.173 χ^2/NDF: 78.7/76



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.765+/-0.273 χ^2/NDF:1313.1/21

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1615.588+/-0.283 χ^2/NDF:2484.8/19

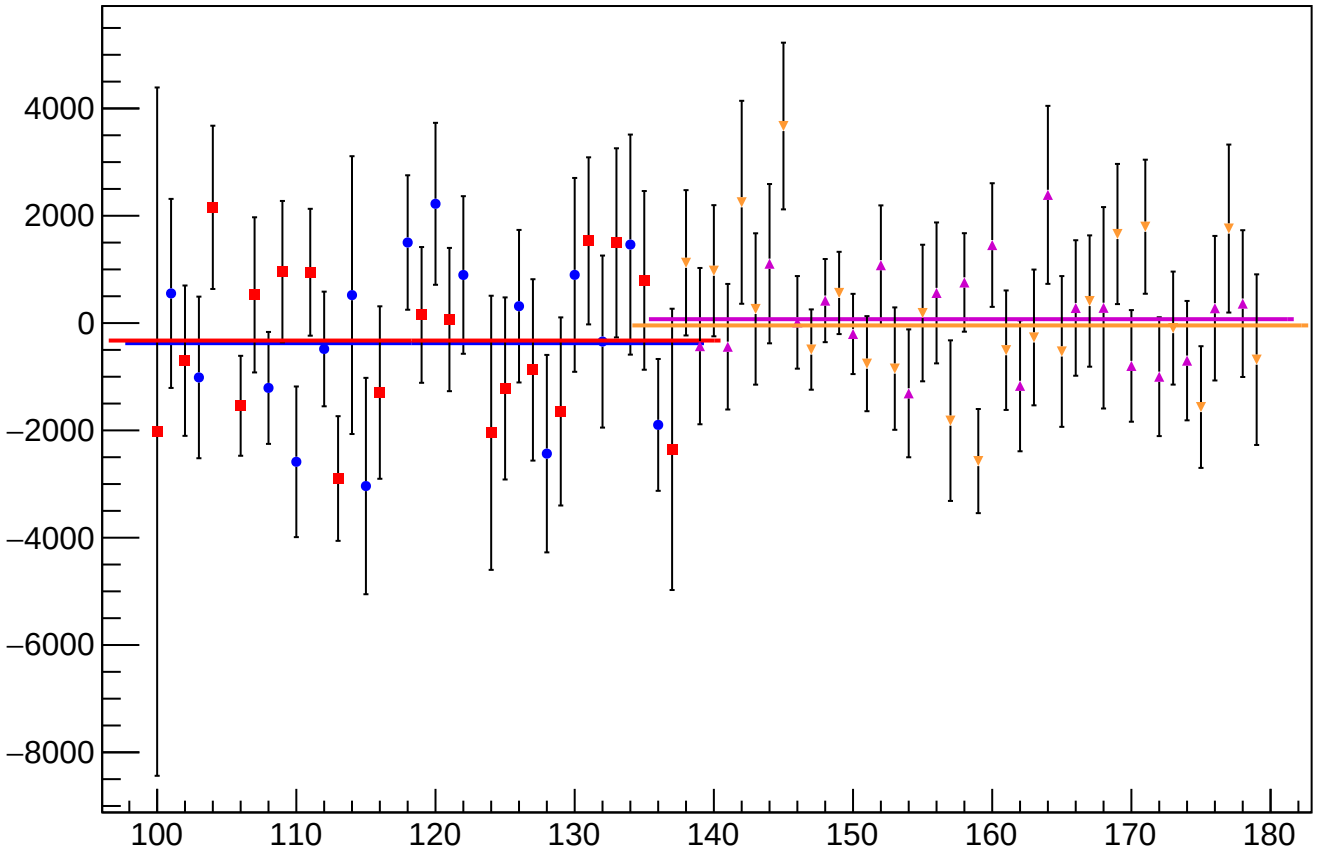
Left: 1615.162+/-0.196 χ^2/NDF: 3802.2/41

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1630.039+/-0.239 χ^2/NDF:674596.1/35

Out: 1627.199+/-0.231 χ^2/NDF:201916.2/40

All: 1628.574+/-0.166 χ^2/NDF: 876585.1/76



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -43.827+/-247.074 χ^2/NDF:26.7/21

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 72.569+/-249.516 χ^2/NDF:10.6/19

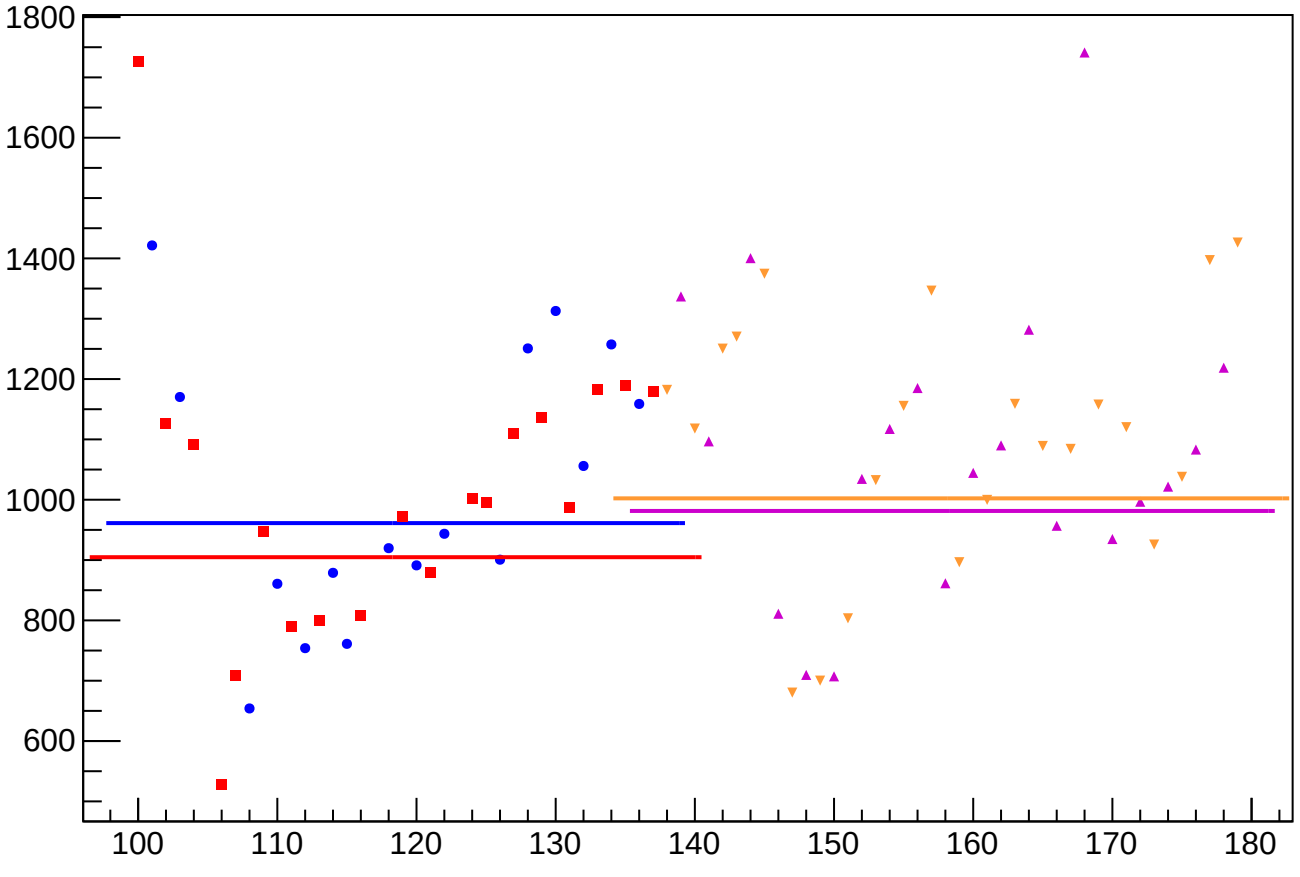
Left: 13.799+/-175.565 χ^2/NDF: 37.4/41

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -68.289+/-206.510 χ^2/NDF:27.4/35

Out: -140.995+/-199.999 χ^2/NDF:44.5/40

All: -105.806+/-143.667 χ^2/NDF: 72.0/76



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1002.252+/-0.175 χ^2/NDF:1591637.6/21

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 981.380+/-0.176 χ^2/NDF:1498312.5/19

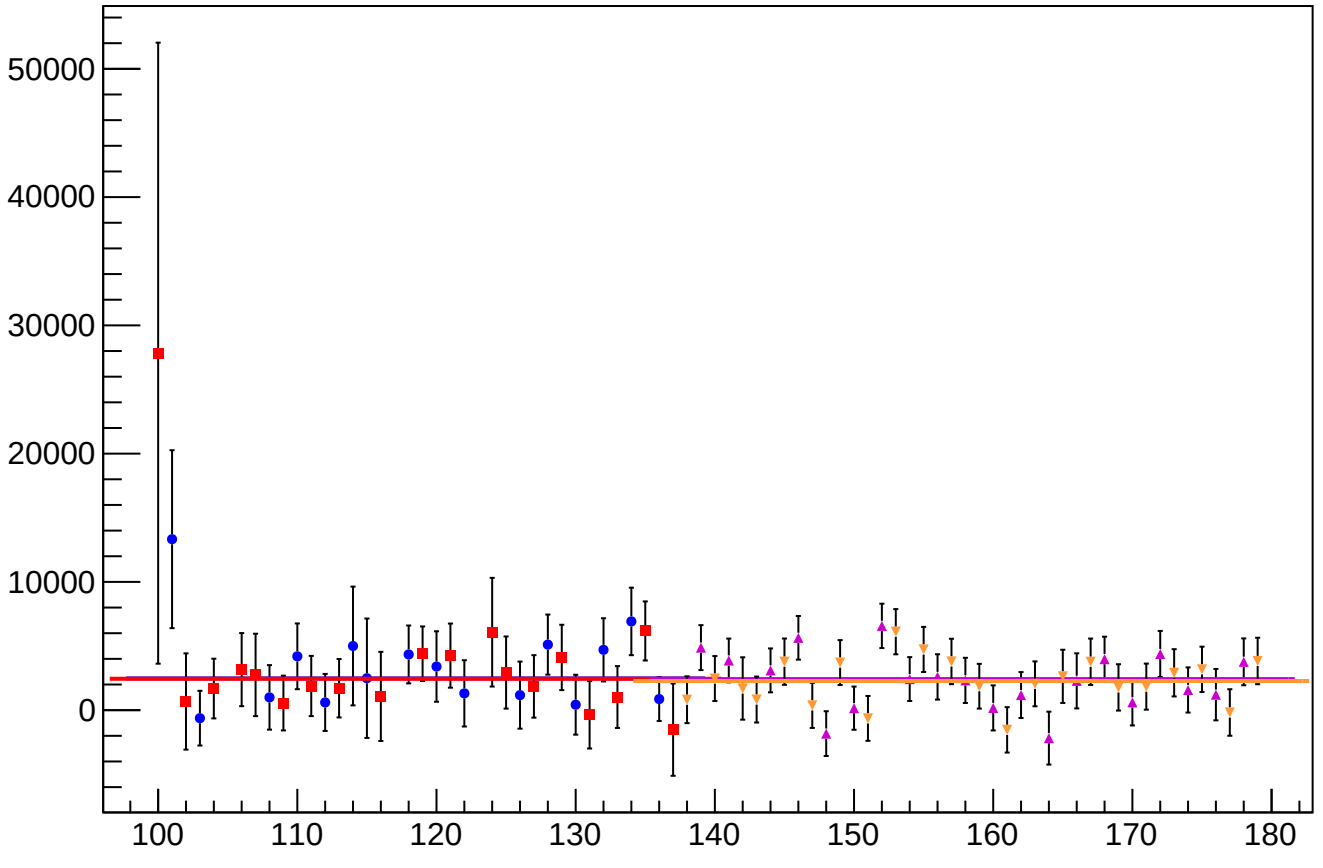
Left: 991.919+/-0.124 χ^2/NDF: 3097016.1/41

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 975.037+/-0.146 χ^2/NDF:2194291.6/35

Out: 968.633+/-0.141 χ^2/NDF:2435531.3/40

All: 971.732+/-0.102 χ^2/NDF: 4630815.3/76



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2272.956+/-386.109 χ^2/NDF:22.7/21

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2424.484+/-399.613 χ^2/NDF:31.2/19

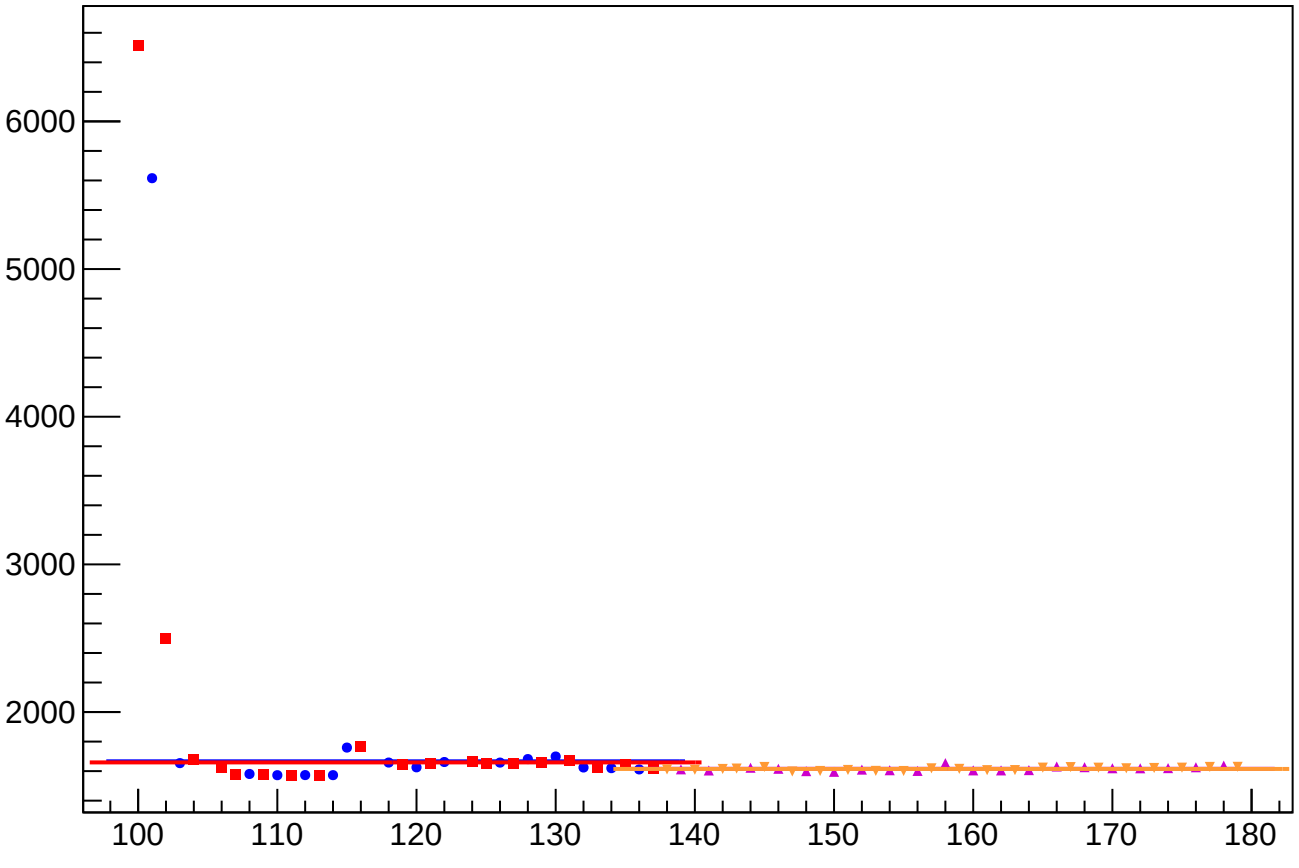
Left: 2346.116+/-277.672 χ^2/NDF: 53.9/41

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2438.916+/-338.042 χ^2/NDF:45.4/35

Out: 2322.450+/-327.384 χ^2/NDF:33.3/40

All: 2378.818+/-235.173 χ^2/NDF: 78.7/76



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.765+/-0.273 χ^2/NDF:1313.1/21

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1615.588+/-0.283 χ^2/NDF:2484.8/19

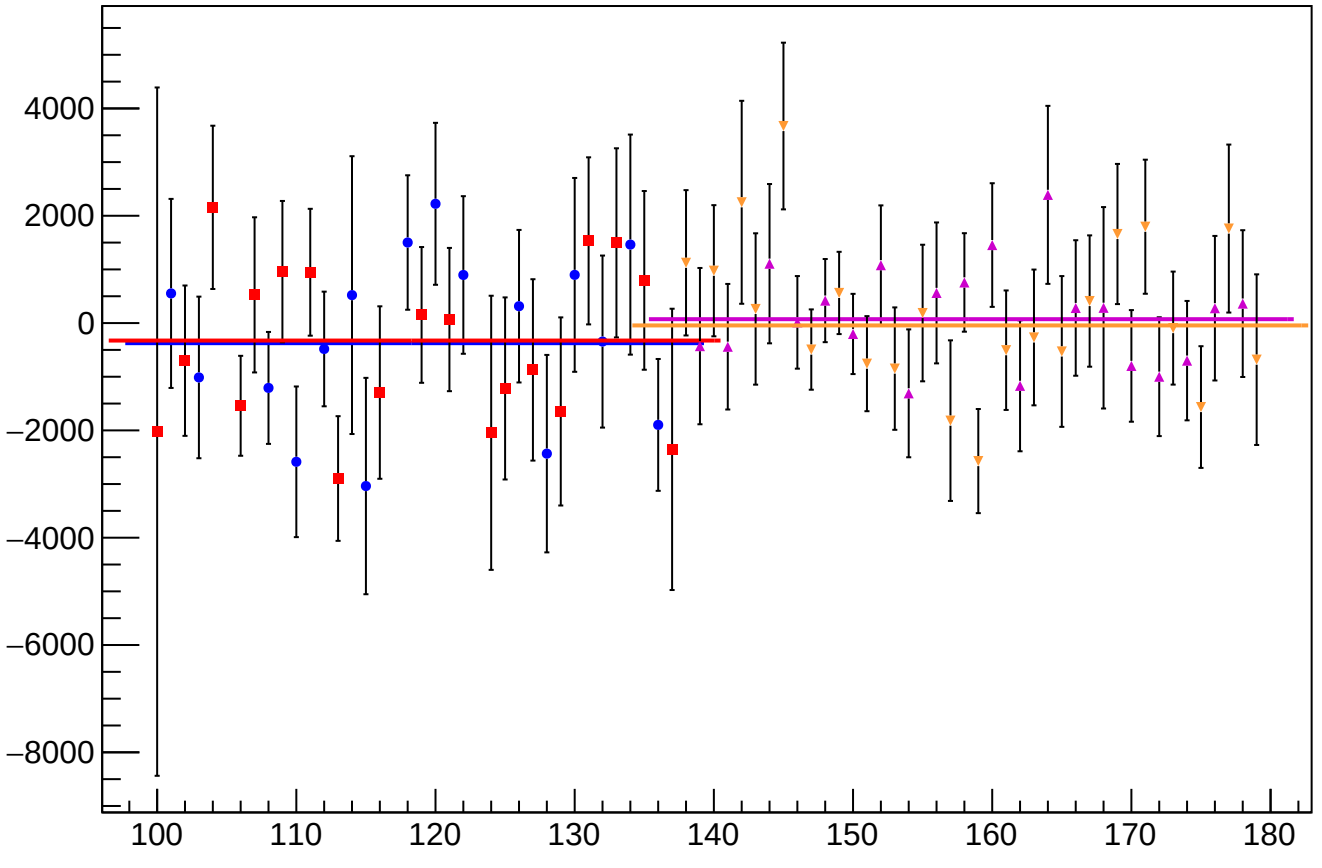
Left: 1615.162+/-0.196 χ^2/NDF: 3802.2/41

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1630.039+/-0.239 χ^2/NDF:674596.0/35

Out: 1627.199+/-0.231 χ^2/NDF:201916.0/40

All: 1628.574+/-0.166 χ^2/NDF: 876584.9/76



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -43.828+/-247.074 χ^2/NDF:26.7/21

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 72.570+/-249.516 χ^2/NDF:10.6/19

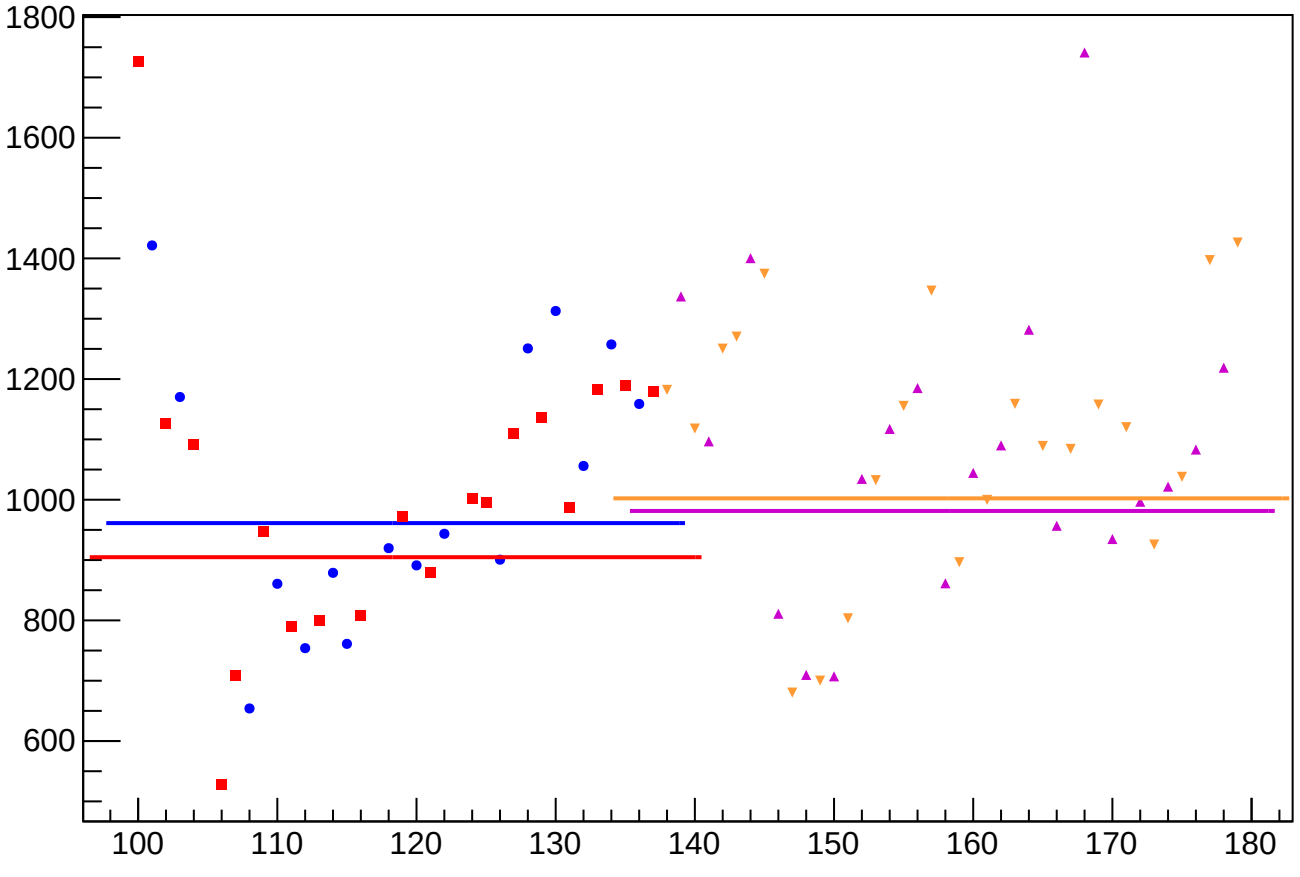
Left: 13.798+/-175.565 χ^2/NDF: 37.4/41

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -68.289+/-206.510 χ^2/NDF:27.4/35

Out: -140.996+/-199.999 χ^2/NDF:44.5/40

All: -105.807+/-143.667 χ^2/NDF: 72.0/76



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1002.254+/-0.175 χ^2/NDF:1591639.6/21

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 981.382+/-0.176 χ^2/NDF:1498315.3/19

Left: 991.921+/-0.124 χ^2/NDF: 3097020.8/41

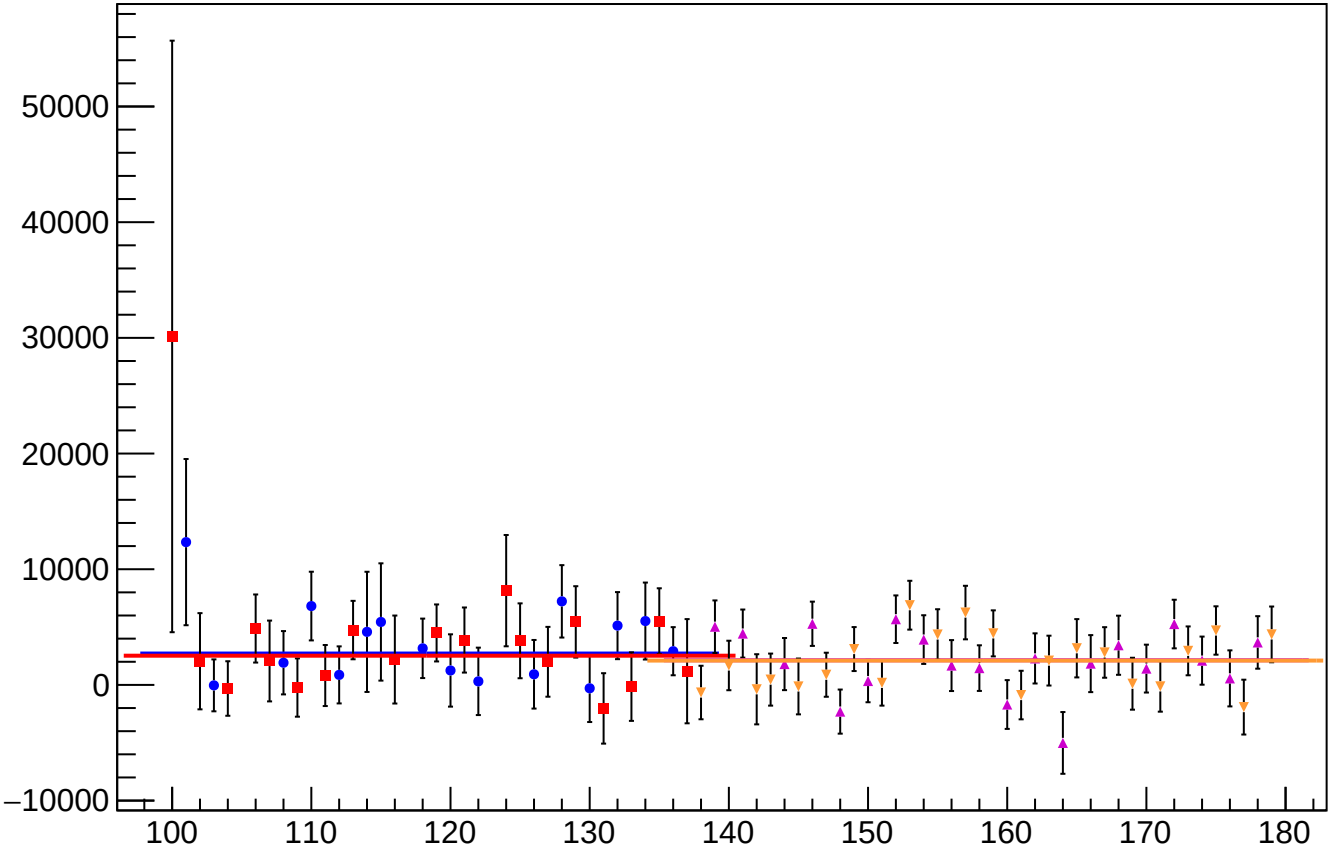
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 975.037+/-0.146 χ^2/NDF:2194304.7/35

Out: 968.633+/-0.141 χ^2/NDF:2435541.0/40

All: 971.732+/-0.102 χ^2/NDF: 4630838.1/76

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2103.896+/-466.881 χ^2/NDF:25.6/21

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2130.930+/-479.725 χ^2/NDF:29.8/19

Left: 2117.046+/-334.583 χ^2/NDF: 55.4/41

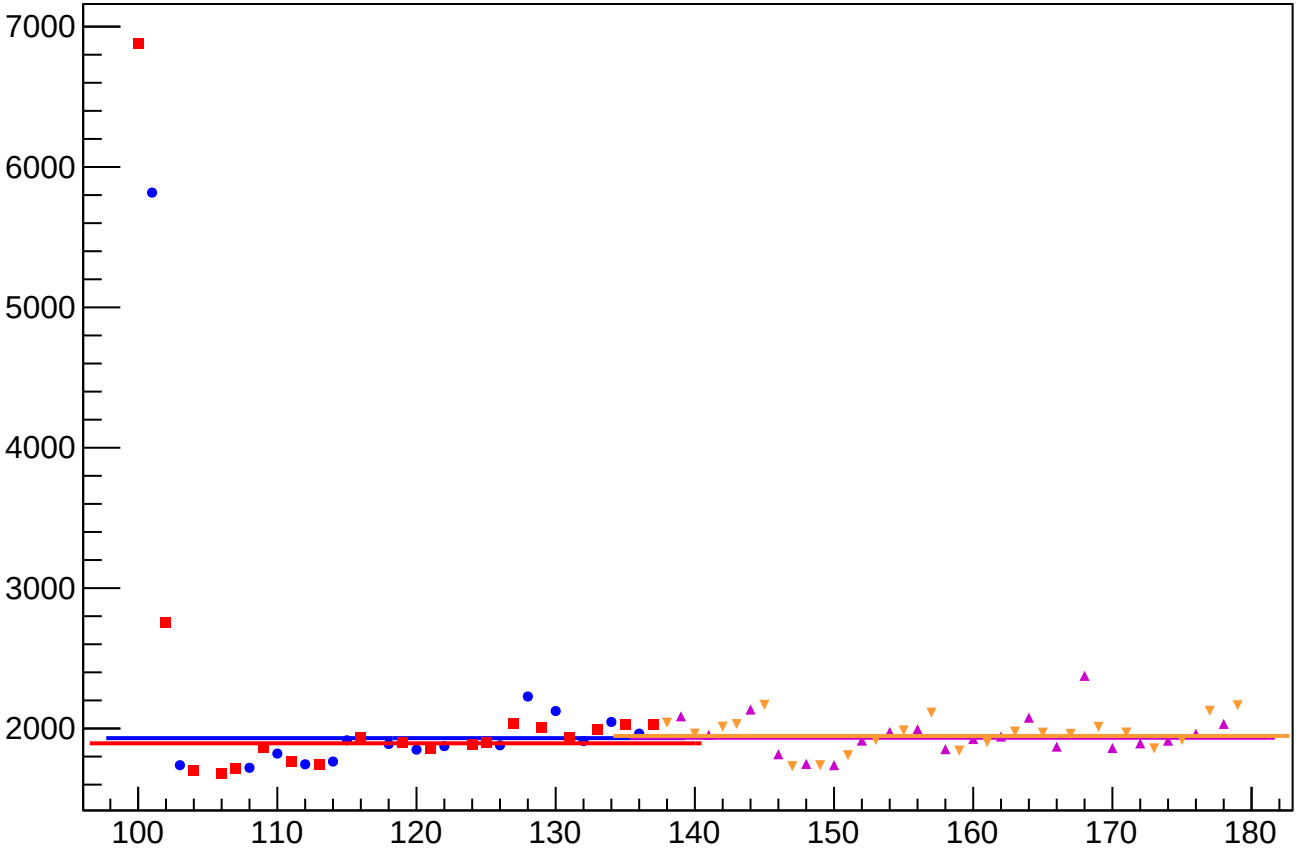
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2304.307+/-401.743 χ^2/NDF:42.4/35

Out: 2232.071+/-389.505 χ^2/NDF:39.1/40

All: 2267.073+/-279.648 χ^2/NDF: 81.5/76

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1946.945+/-0.330 χ^2/NDF:135592.8/21

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1933.788+/-0.339 χ^2/NDF:154388.9/19

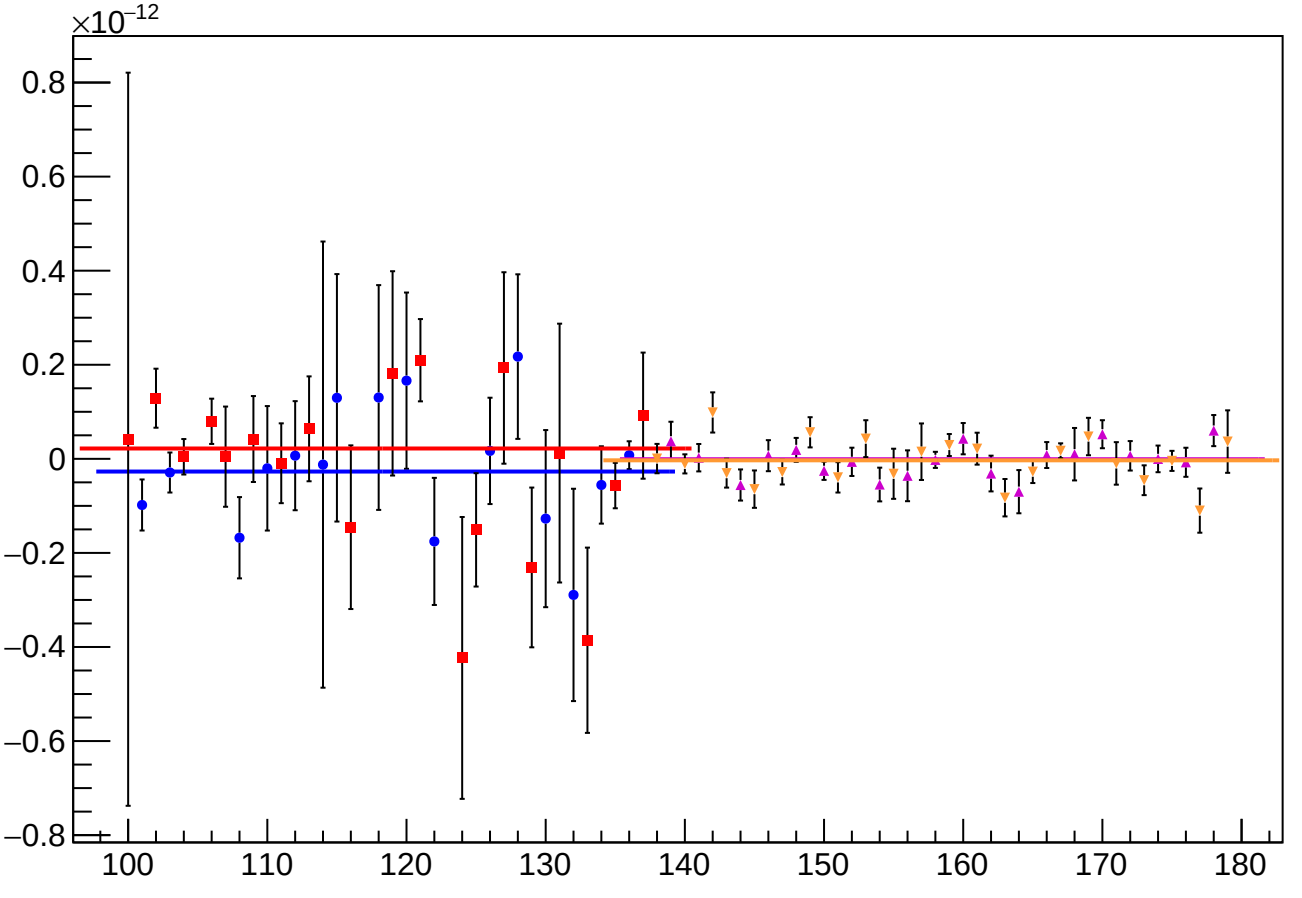
Left: 1940.545+/-0.237 χ^2/NDF: 290754.4/41

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1933.030+/-0.284 χ^2/NDF:815632.7/35

Out: 1930.956+/-0.275 χ^2/NDF:363850.0/40

All: 1931.961+/-0.198 χ^2/NDF: 1179510.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:20.0/19

Left: -0.000+/-0.000 χ^2/NDF: 54.5/41

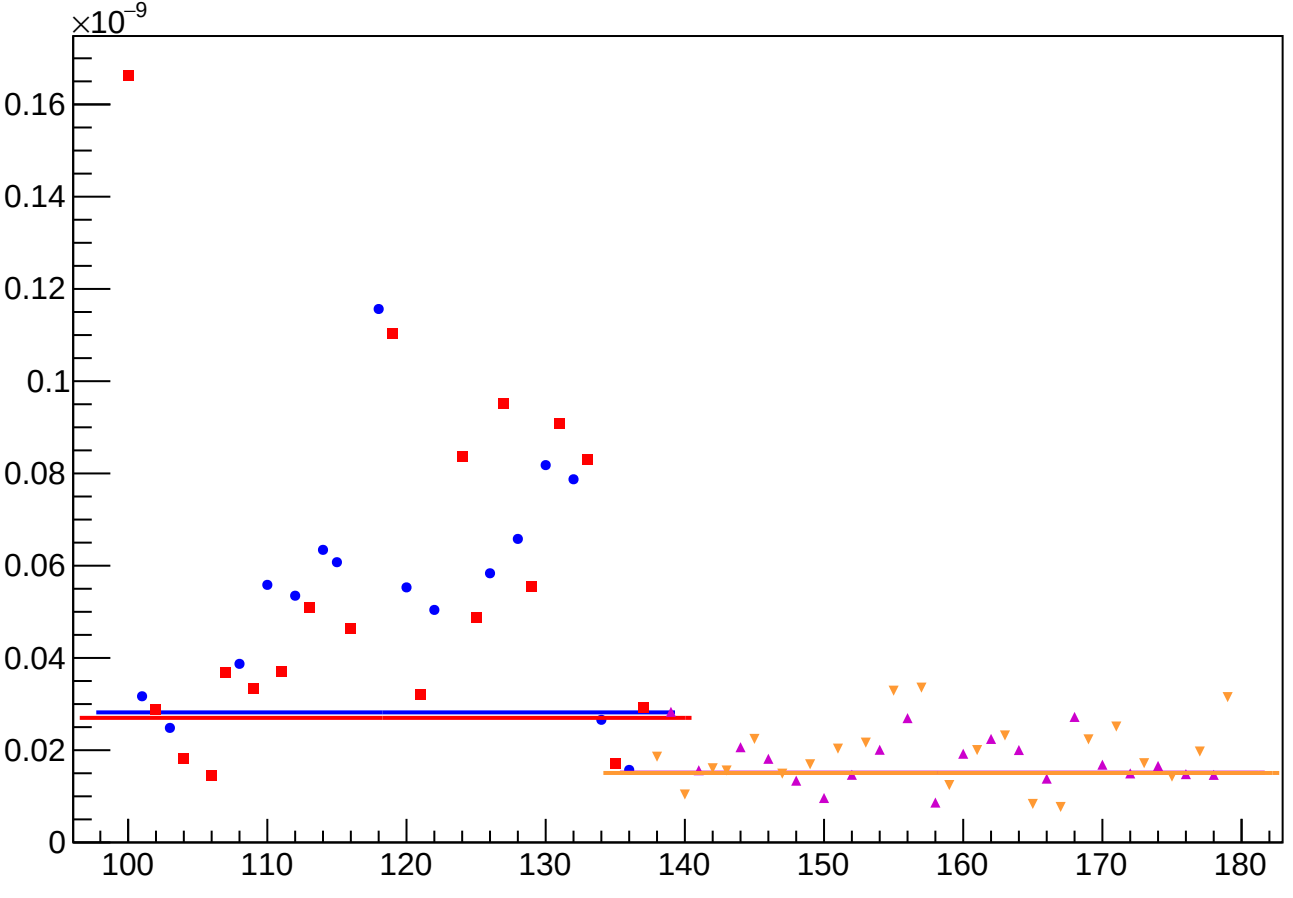
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:34.5/35

Out: -0.000+/-0.000 χ^2/NDF:61.3/40

All: -0.000+/-0.000 χ^2/NDF: 95.9/76

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1790306.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1104545.8/19

Left: 0.000+/-0.000 χ^2/NDF: 2894977.8/41

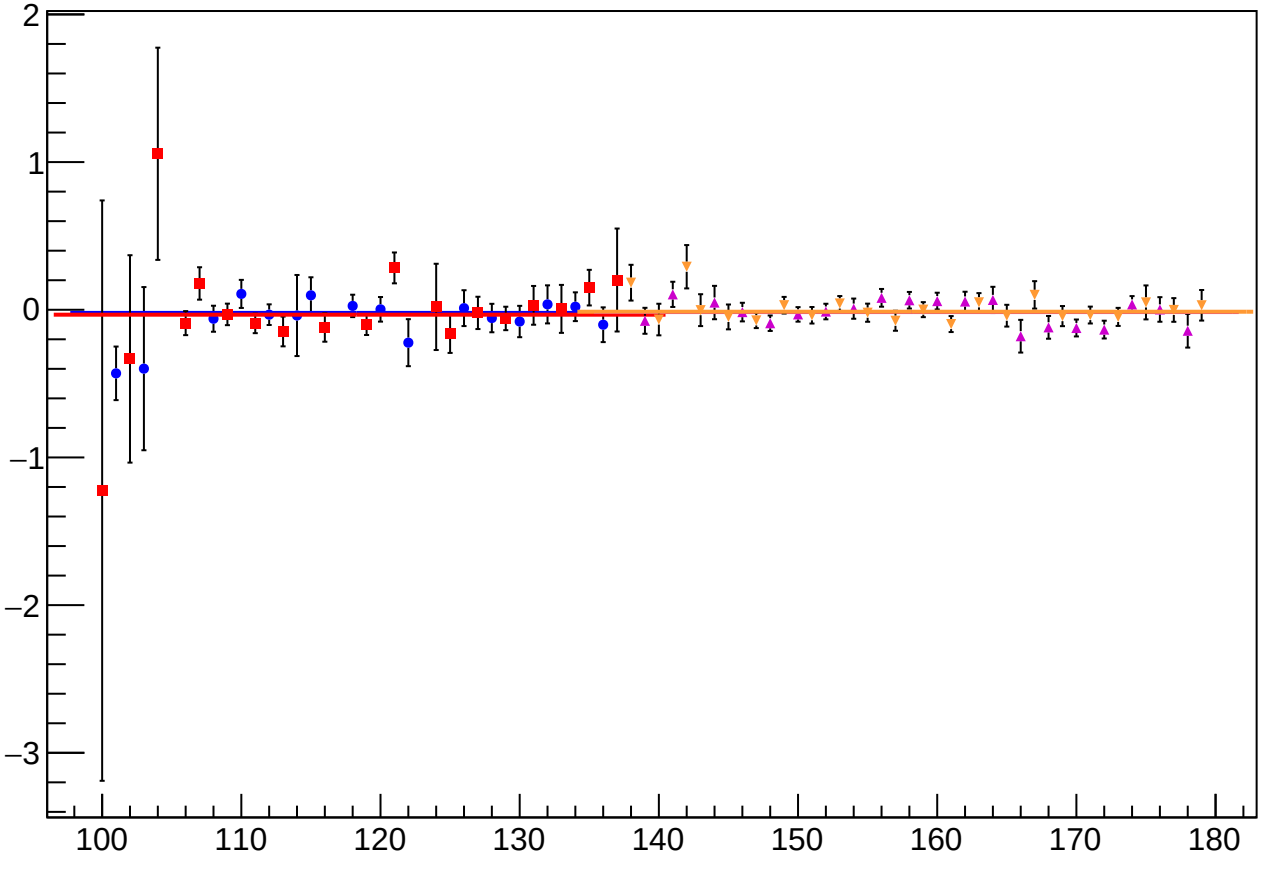
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3423630.6/35

Out: 0.000+/-0.000 χ^2/NDF:4032013.8/40

All: 0.000+/-0.000 χ^2/NDF: 7458059.3/76

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

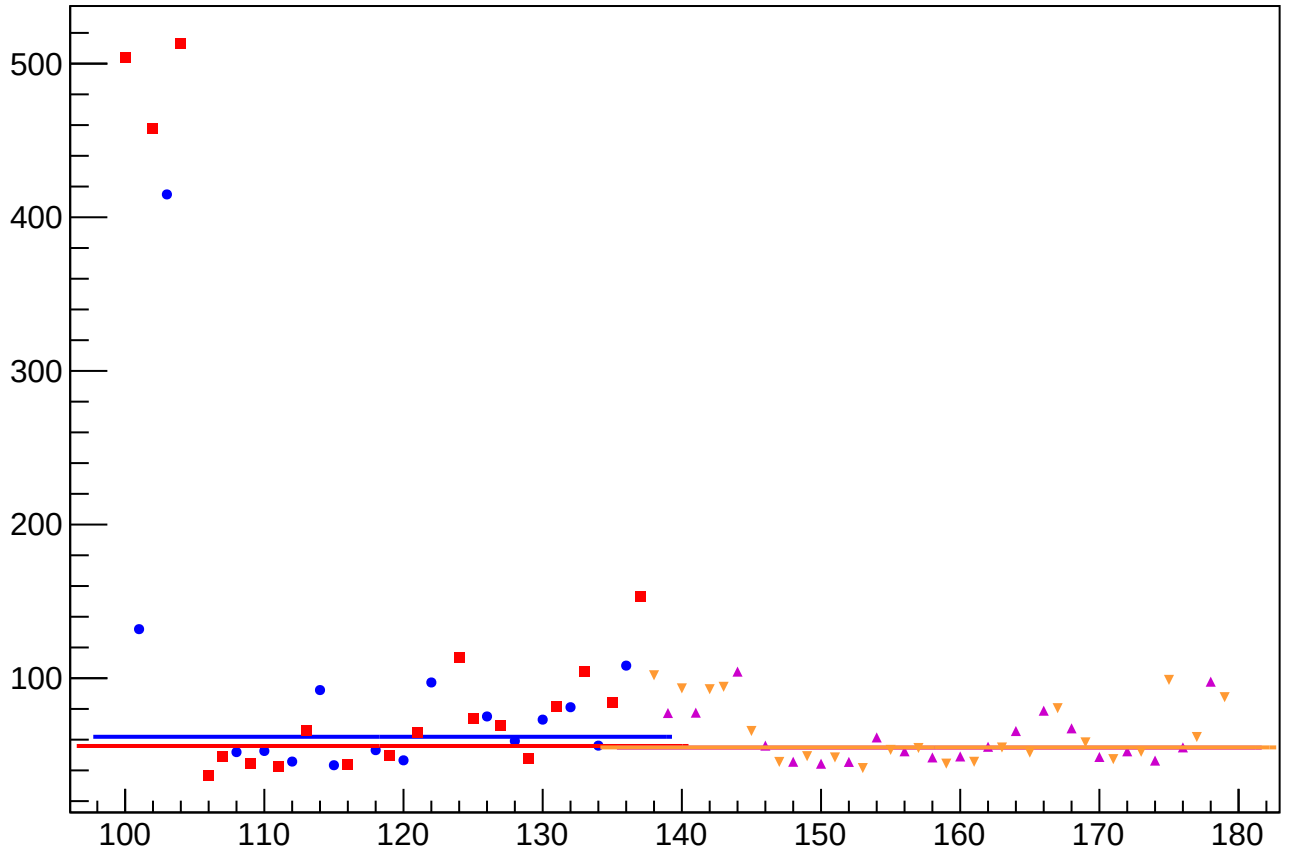
Left: -0.014+/-0.010 χ^2/NDF: 44.7/41

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.019+/-0.013 χ^2/NDF:42.7/40

All: -0.018+/-0.009 χ^2/NDF: 81.6/76



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.970+/-0.010 χ^2/NDF:2100960.9/21

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.812+/-0.010 χ^2/NDF:1470532.2/19

Left: 54.892+/-0.007 χ^2/NDF: 3571609.9/41

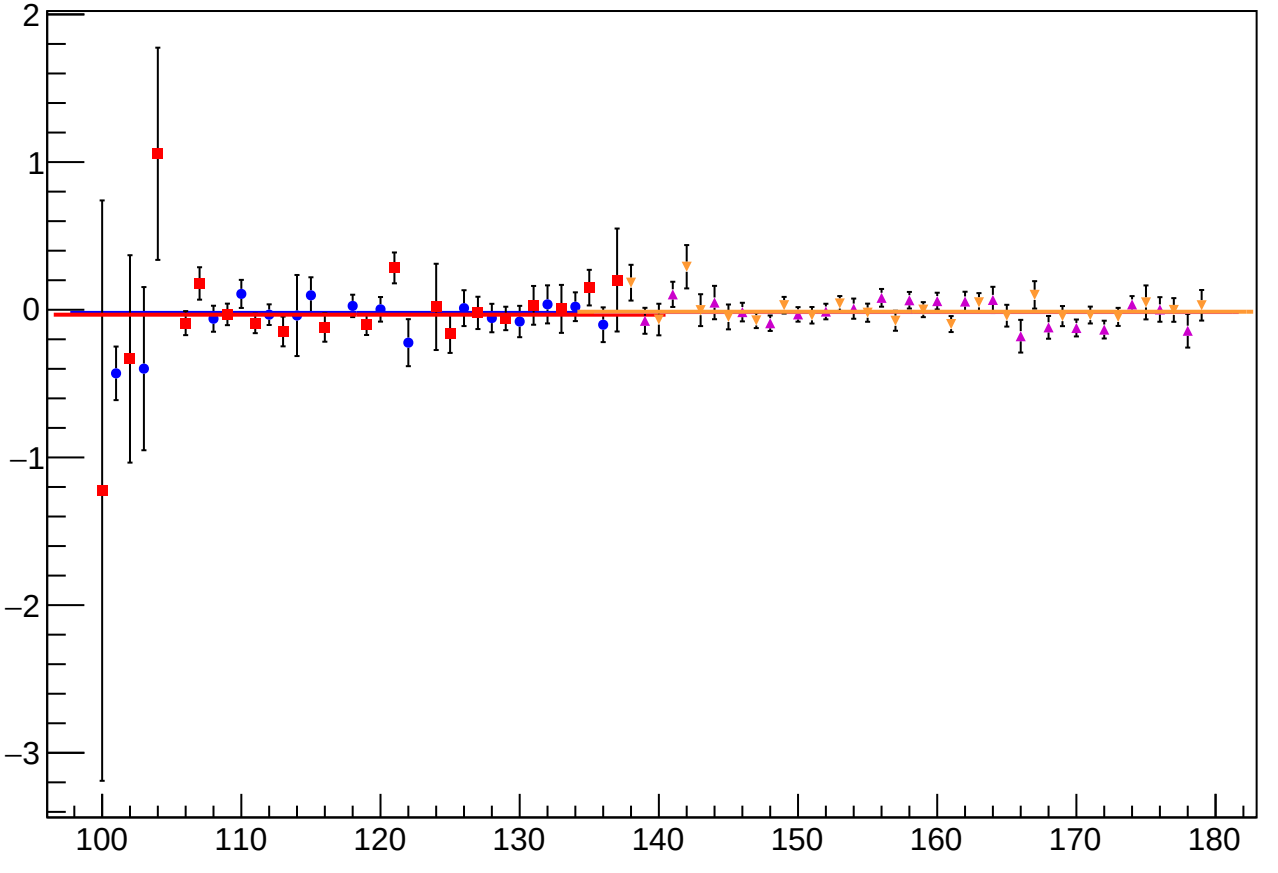
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.484+/-0.009 χ^2/NDF:3516503.5/35

Out: 55.209+/-0.009 χ^2/NDF:4694294.4/40

All: 55.827+/-0.006 χ^2/NDF: 8220834.0/76

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

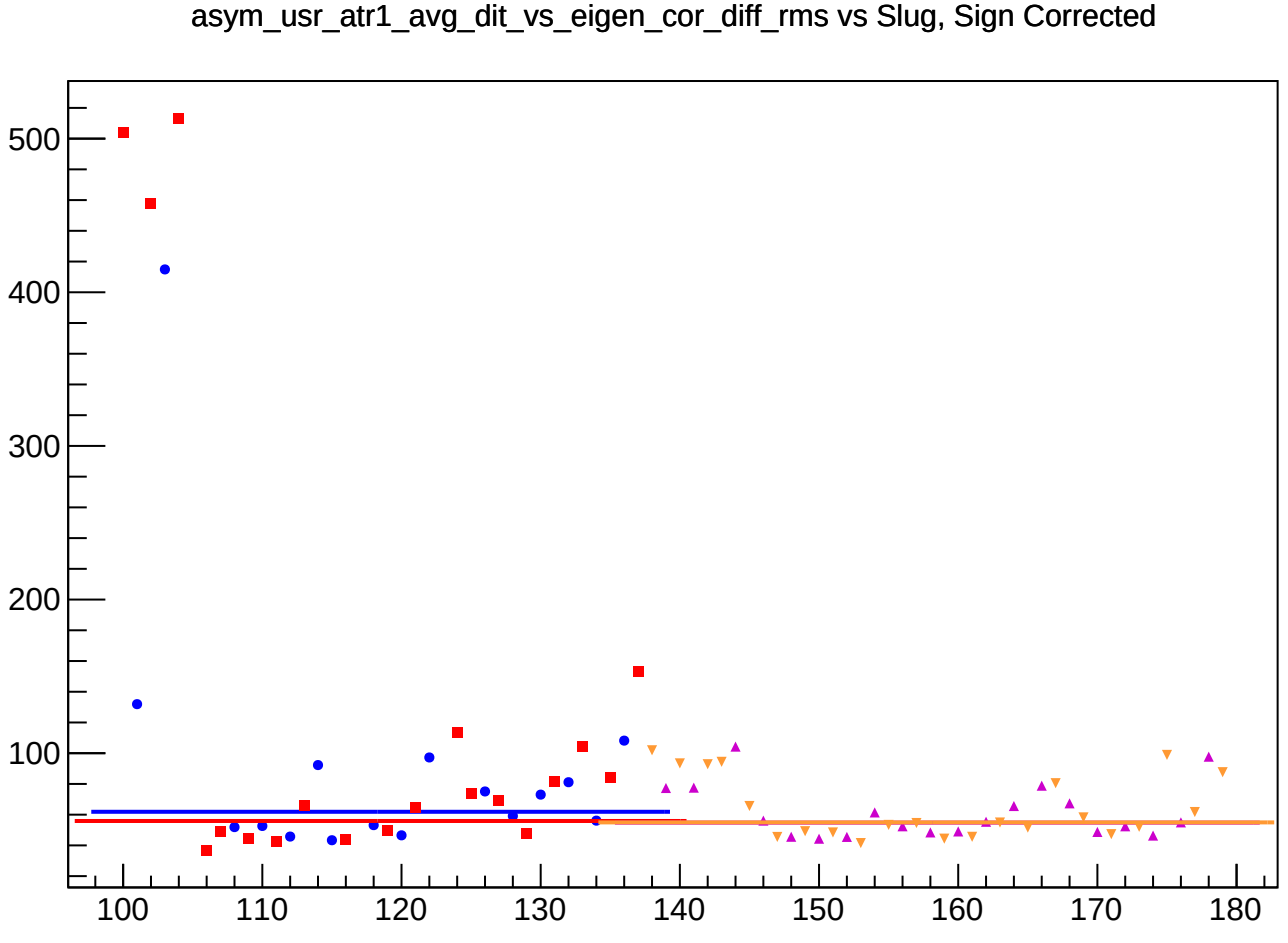
Left: -0.014+/-0.010 χ^2/NDF: 44.7/41

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.019+/-0.013 χ^2/NDF:42.7/40

All: -0.018+/-0.009 χ^2/NDF: 81.6/76



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.970+/-0.010 χ^2/NDF:2100960.9/21

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.812+/-0.010 χ^2/NDF:1470532.2/19

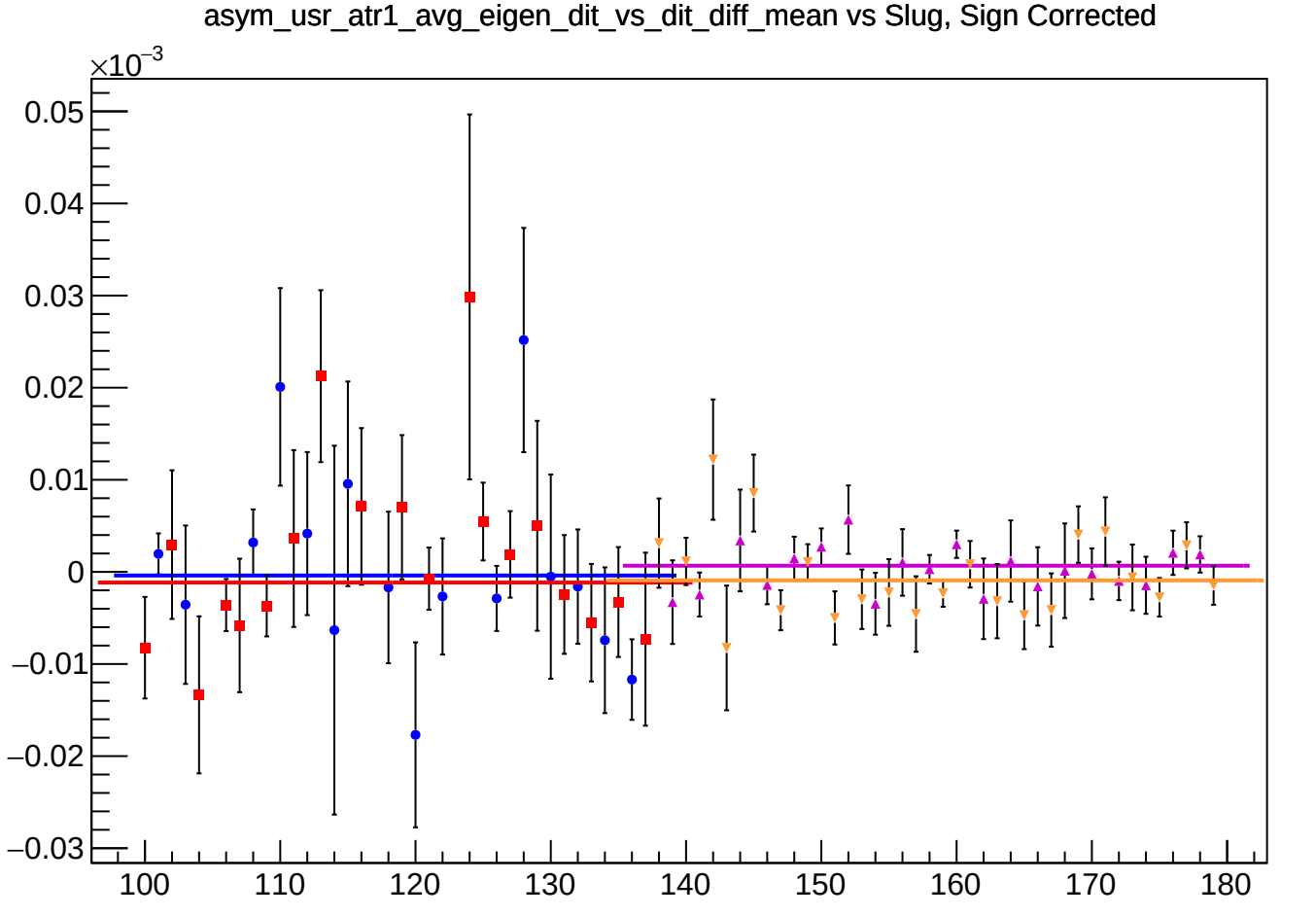
Left: 54.892+/-0.007 χ^2/NDF: 3571609.9/41

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

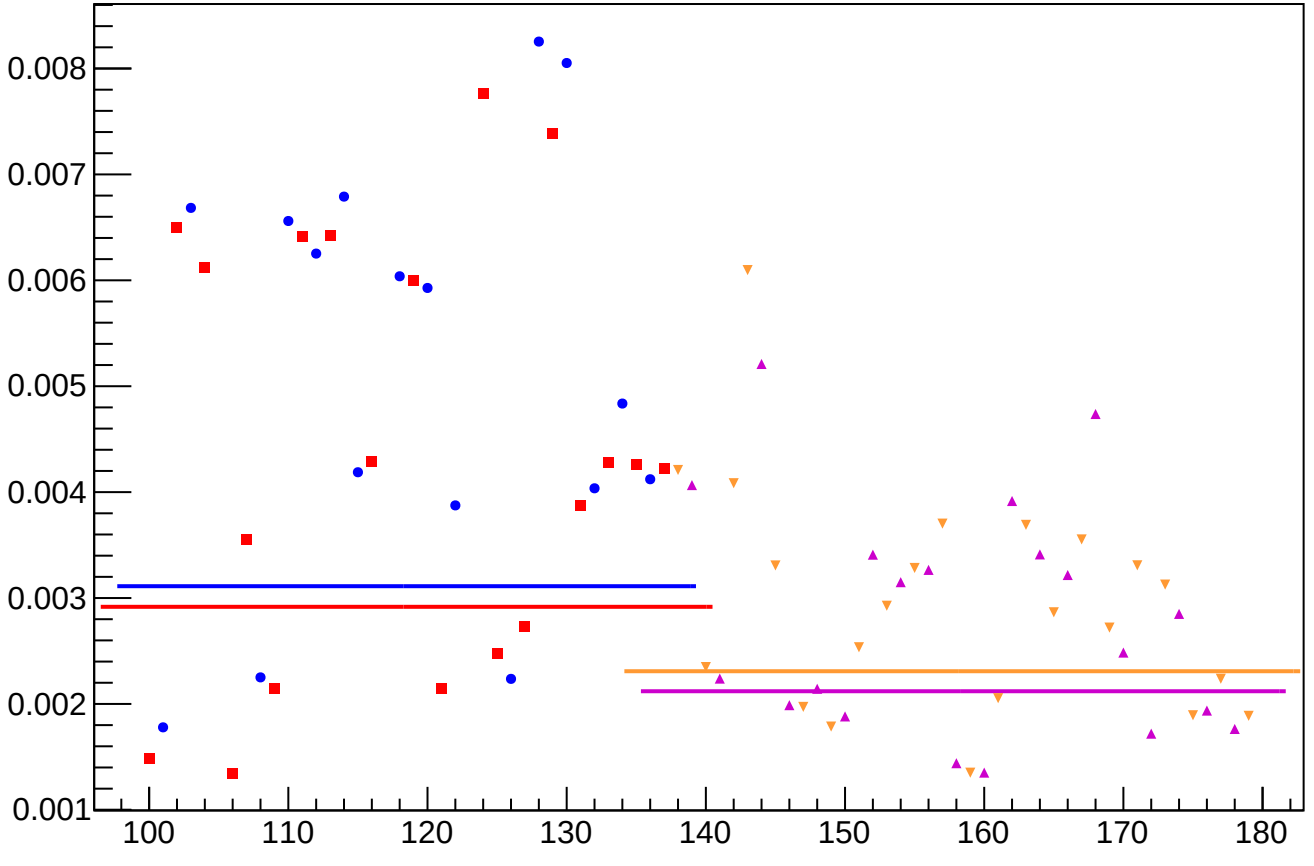
In: 56.484+/-0.009 χ^2/NDF:3516503.5/35

Out: 55.209+/-0.009 χ^2/NDF:4694294.4/40

All: 55.827+/-0.006 χ^2/NDF: 8220834.0/76


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:29.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: 0.000+/-0.000 χ²/NDF:13.7/19
Left: -0.000+/-0.000 χ²/NDF: 46.9/41
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: 0.000+/-0.000 χ²/NDF:36.8/35
Out: -0.000+/-0.000 χ²/NDF:50.0/40
All: -0.000+/-0.000 χ²/NDF: 90.7/76

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3652797.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:4044169.9/19

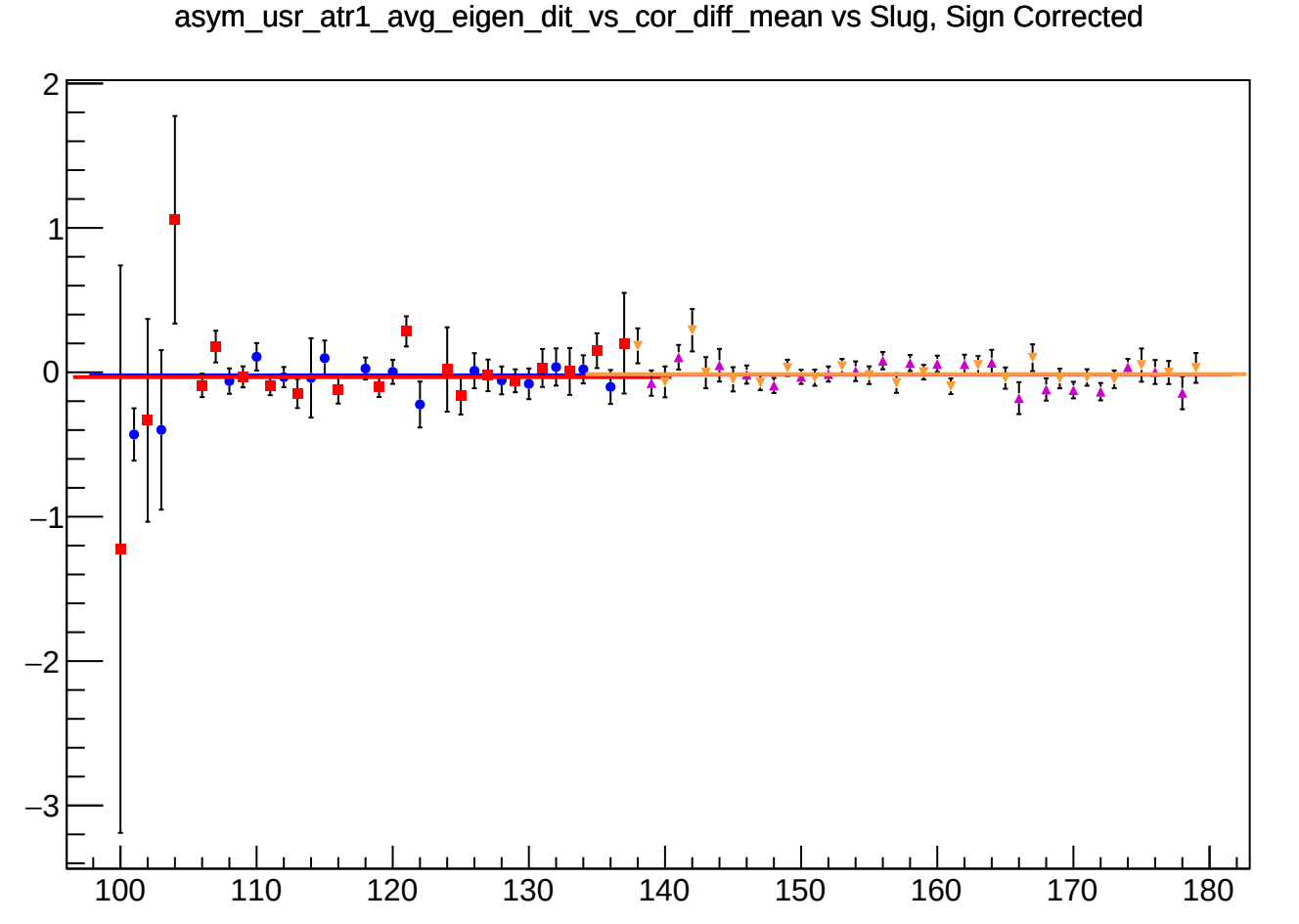
Left: 0.002+/-0.000 χ^2/NDF: 7802643.4/41

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8267840.1/35

Out: 0.002+/-0.000 χ^2/NDF:7332891.5/40

All: 0.002+/-0.000 χ^2/NDF: 15680067.5/76



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

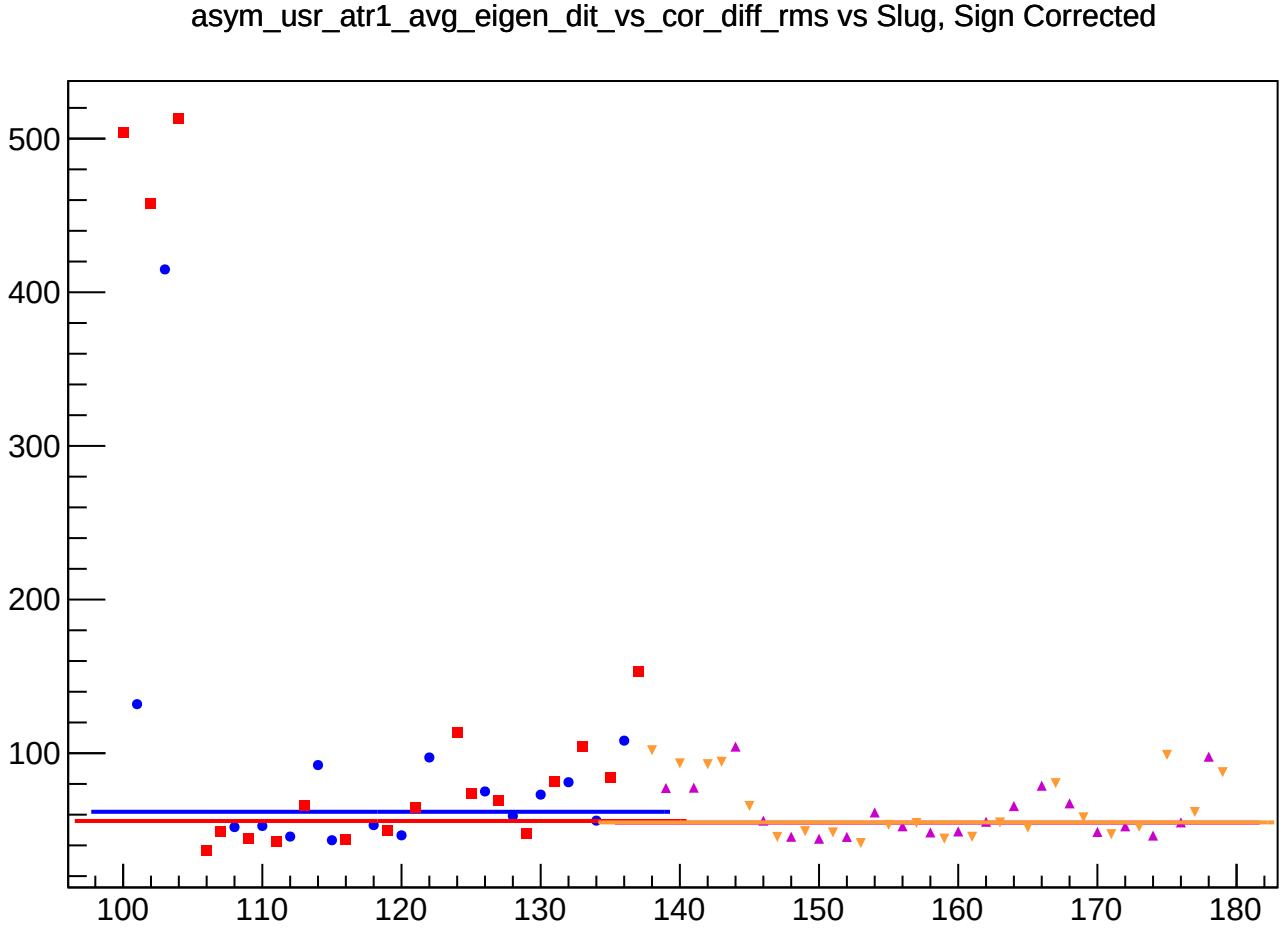
Left: -0.014+/-0.010 χ^2/NDF: 44.7/41

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.018+/-0.013 χ^2/NDF:42.7/40

All: -0.018+/-0.009 χ^2/NDF: 81.6/76



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.971+/-0.010 χ^2/NDF:2101012.8/21

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.812+/-0.010 χ^2/NDF:1470530.3/19

Left: 54.892+/-0.007 χ^2/NDF: 3571660.0/41

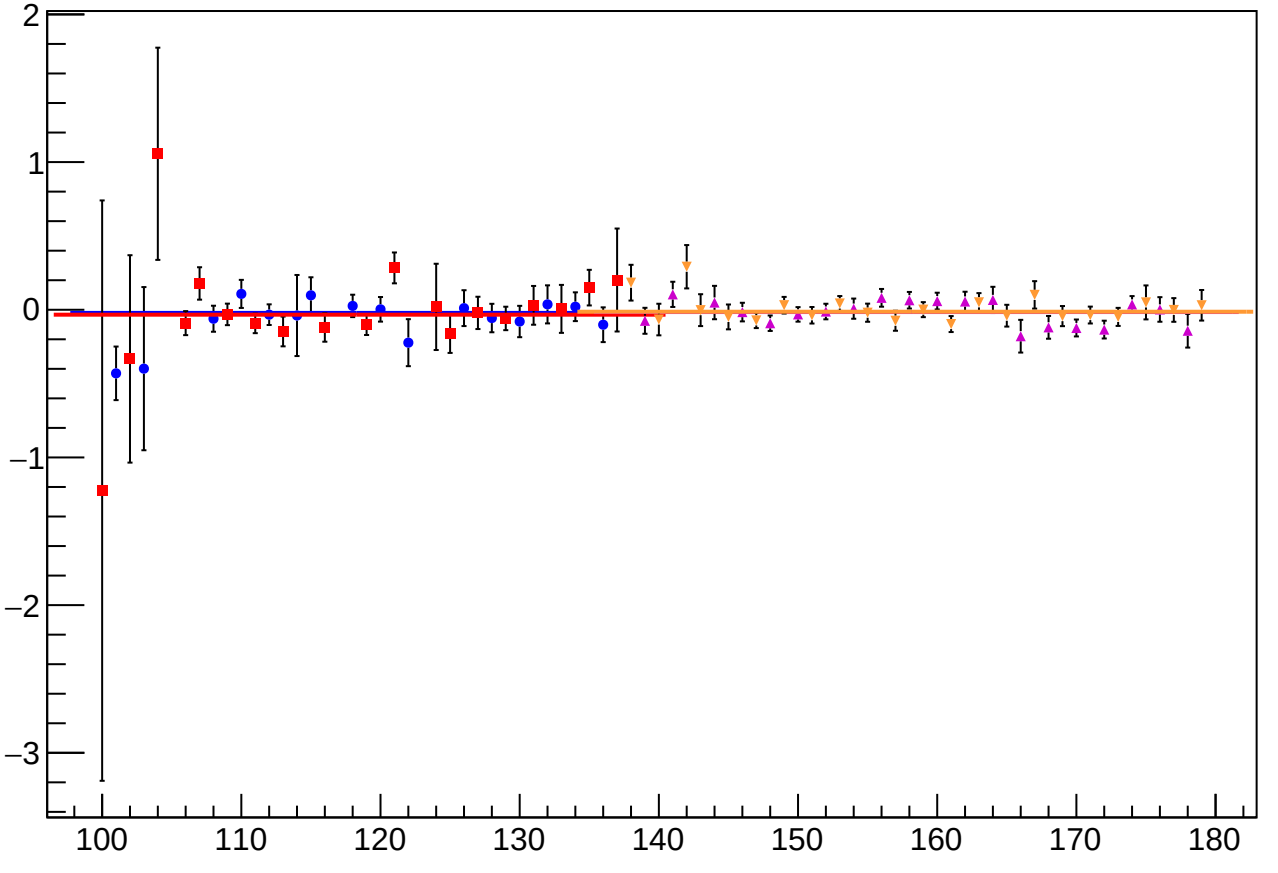
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.484+/-0.009 χ^2/NDF:3516429.1/35

Out: 55.209+/-0.009 χ^2/NDF:4694299.9/40

All: 55.827+/-0.006 χ^2/NDF: 8220766.0/76

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.013+/-0.015 χ^2/NDF:17.8/21

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

Left: -0.014+/-0.010 χ^2/NDF: 44.7/41

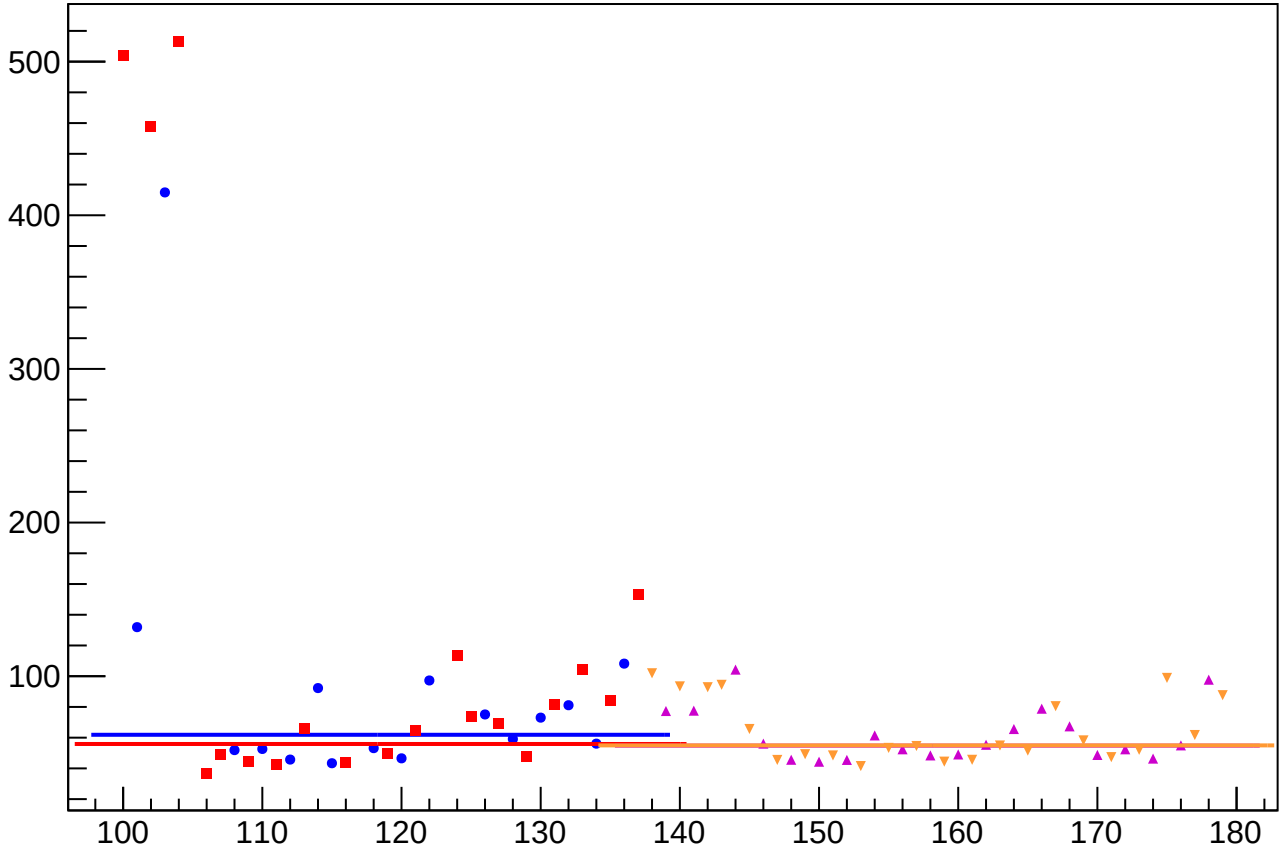
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.018+/-0.013 χ^2/NDF:42.7/40

All: -0.018+/-0.009 χ^2/NDF: 81.6/76

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.971+/-0.010 χ^2/NDF:2101012.8/21

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.812+/-0.010 χ^2/NDF:1470530.3/19

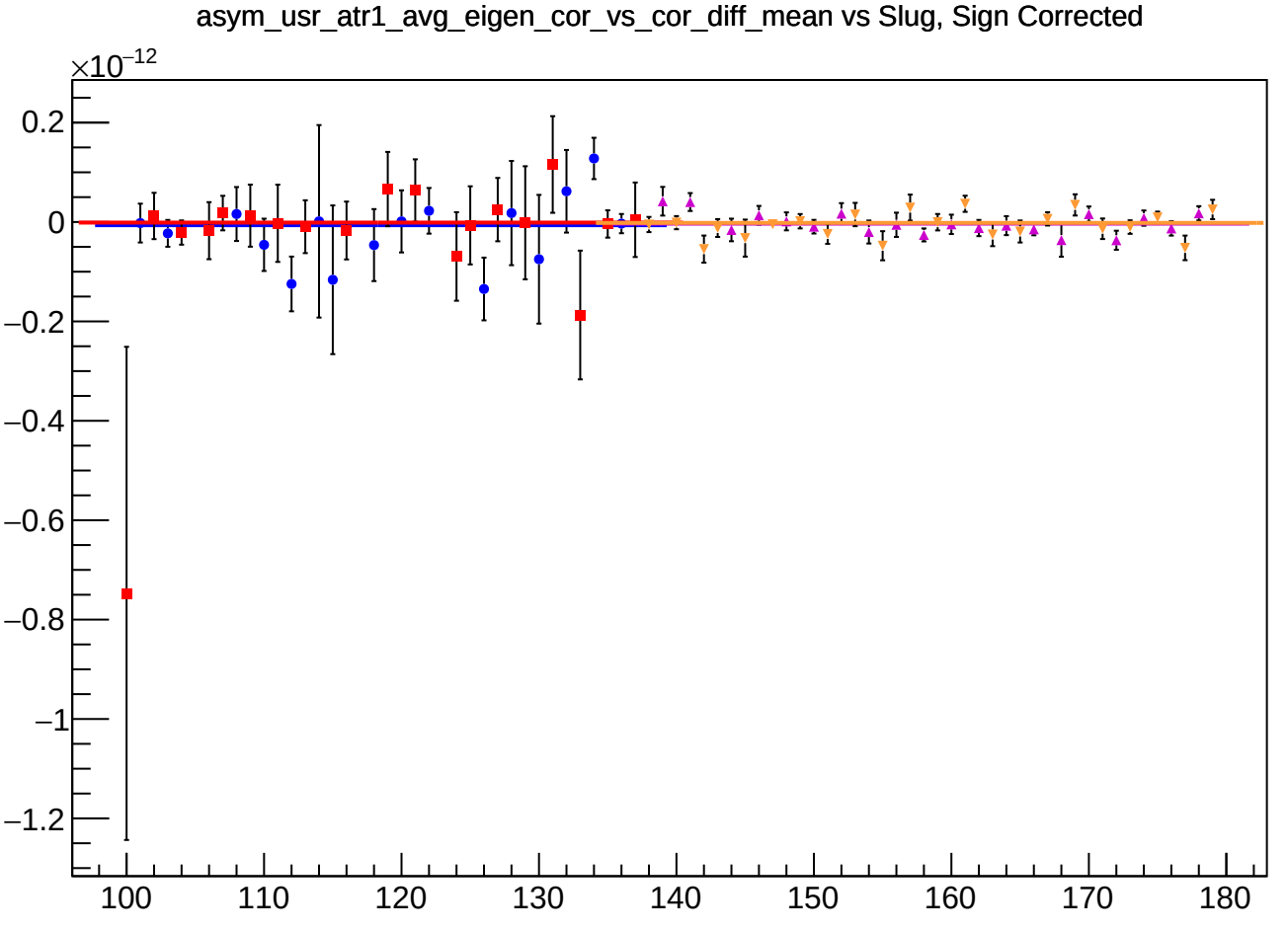
Left: 54.892+/-0.007 χ^2/NDF: 3571660.0/41

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.484+/-0.009 χ^2/NDF:3516429.1/35

Out: 55.209+/-0.009 χ^2/NDF:4694299.9/40

All: 55.827+/-0.006 χ^2/NDF: 8220766.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:24.0/19

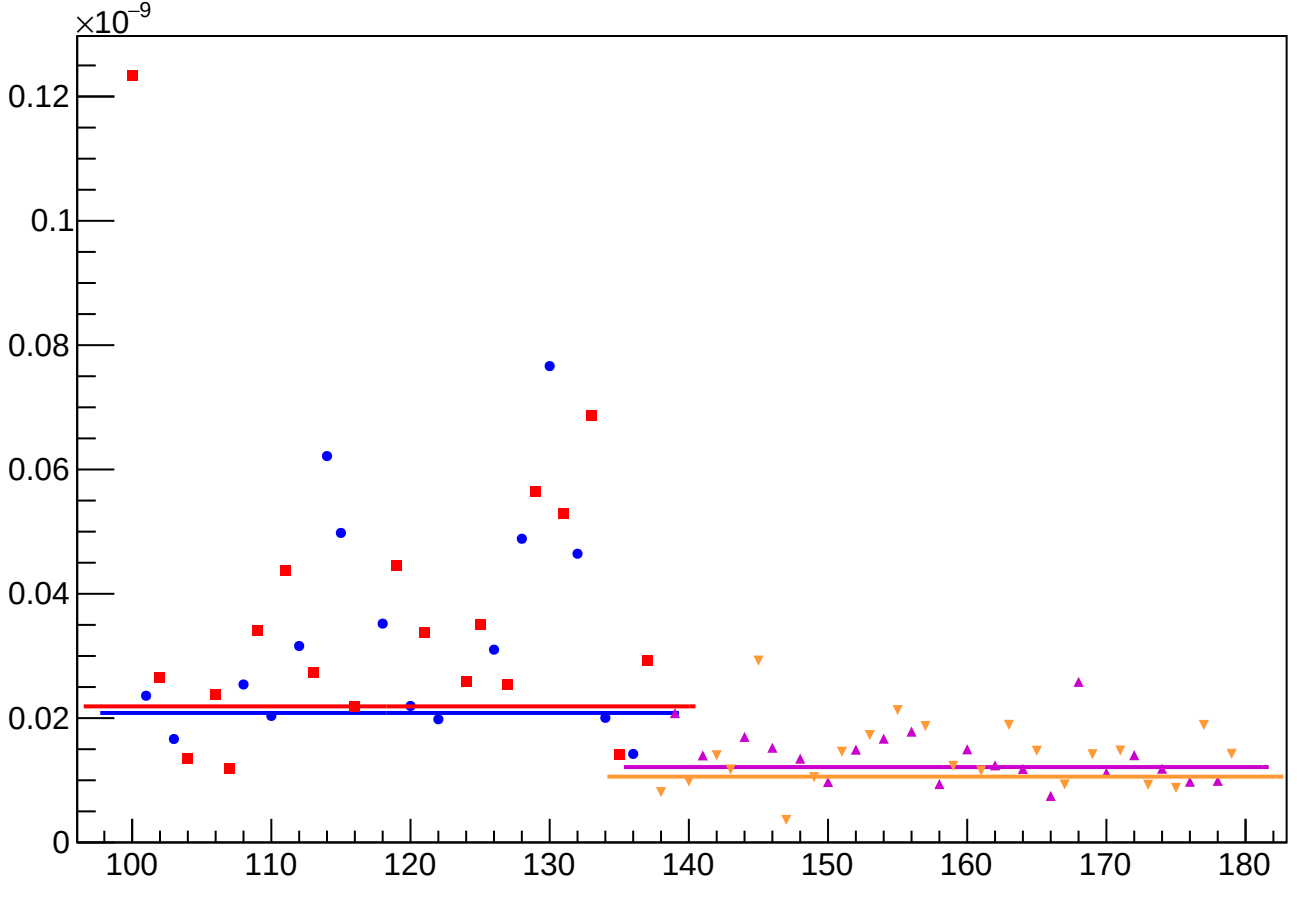
Left: -0.000+/-0.000 χ^2/NDF: 52.7/41

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:46.6/35

Out: -0.000+/-0.000 χ^2/NDF:38.3/40

All: -0.000+/-0.000 χ^2/NDF: 85.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3574538.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1540822.3/19

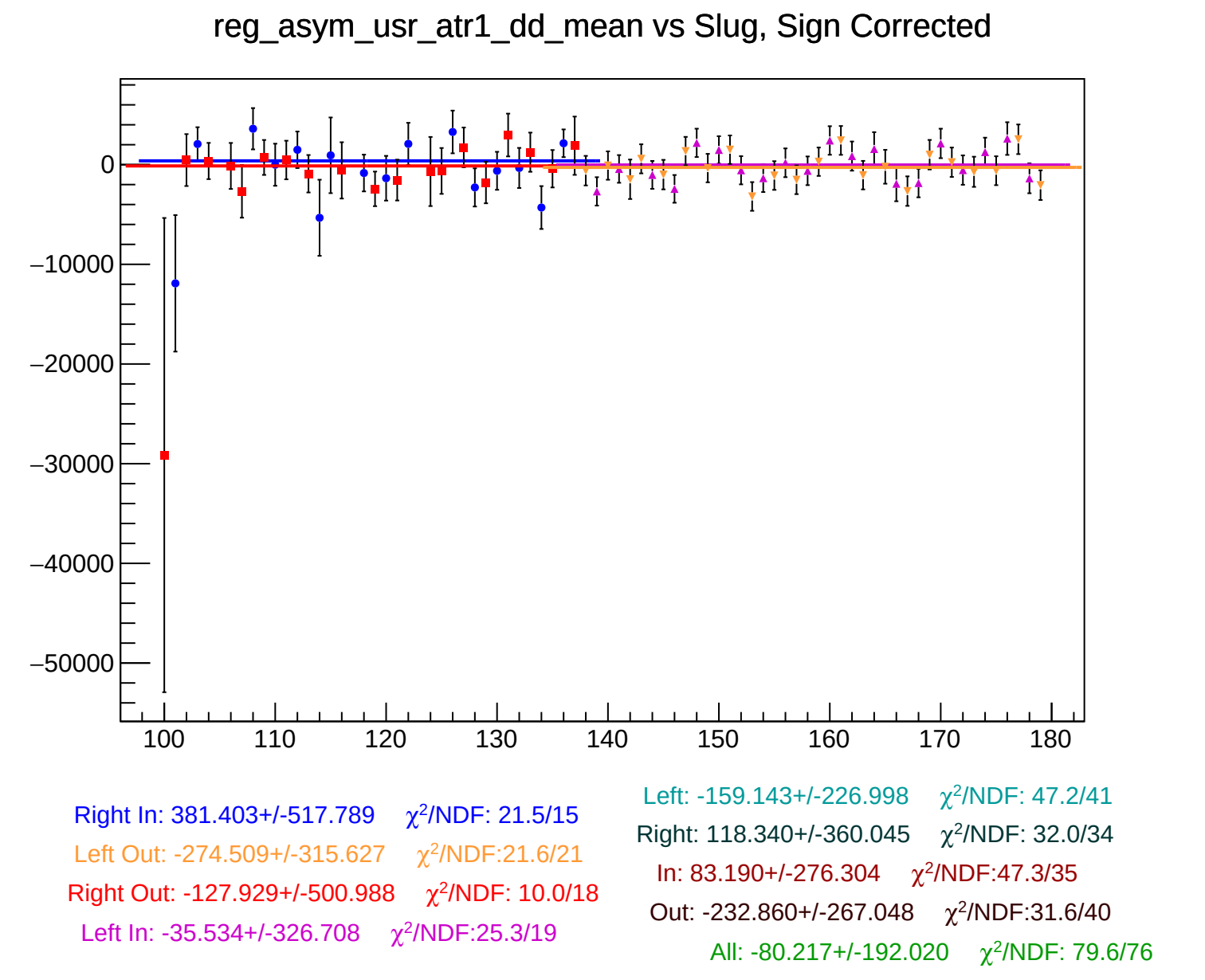
Left: 0.000+/-0.000 χ^2/NDF: 5288440.9/41

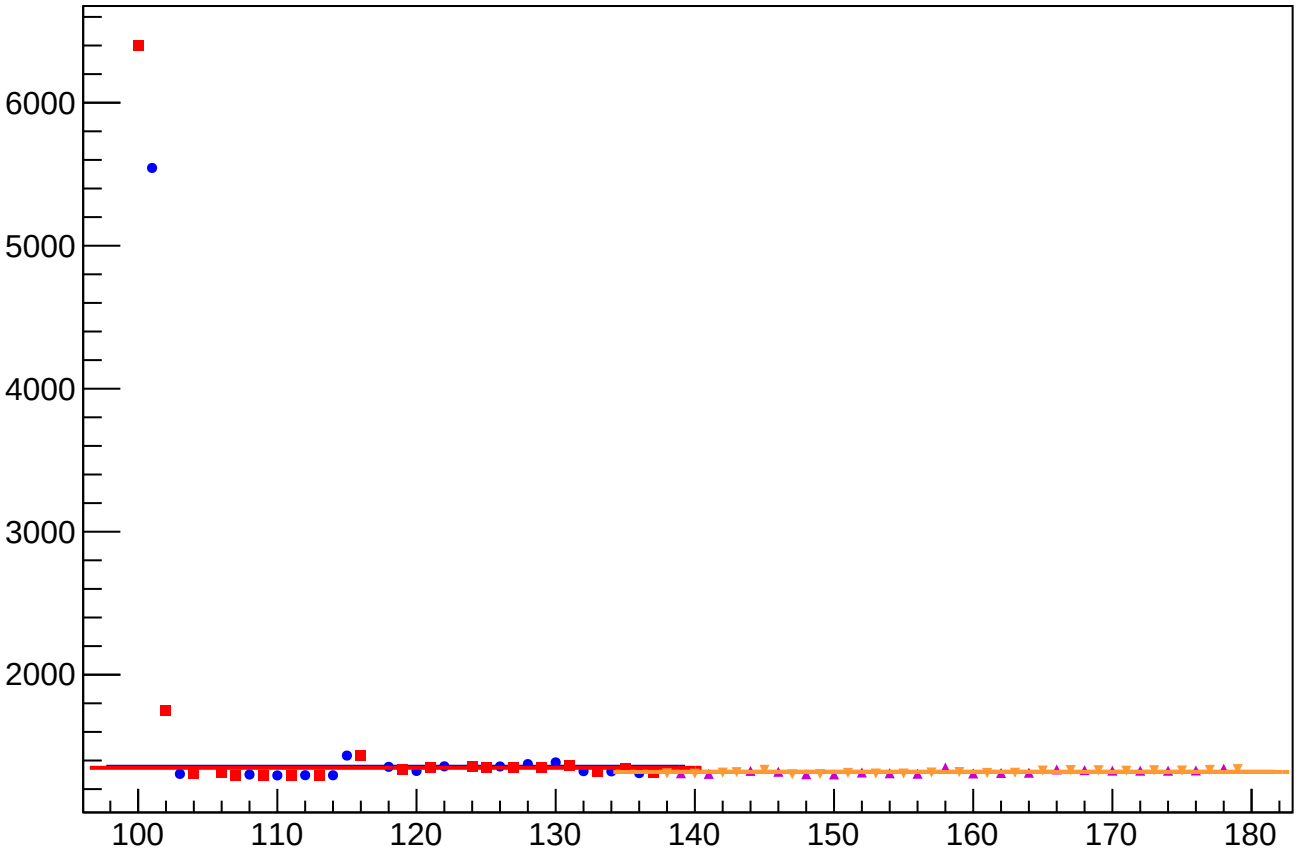
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3990292.4/35

Out: 0.000+/-0.000 χ^2/NDF:7139069.9/40

All: 0.000+/-0.000 χ^2/NDF: 11318675.1/76


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -274.509+/-315.627 χ²/NDF:21.6/21
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -35.534+/-326.708 χ²/NDF:25.3/19
Left: -159.143+/-226.998 χ²/NDF: 47.2/41
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: 83.190+/-276.304 χ²/NDF:47.3/35
Out: -232.860+/-267.048 χ²/NDF:31.6/40
All: -80.217+/-192.020 χ²/NDF: 79.6/76



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

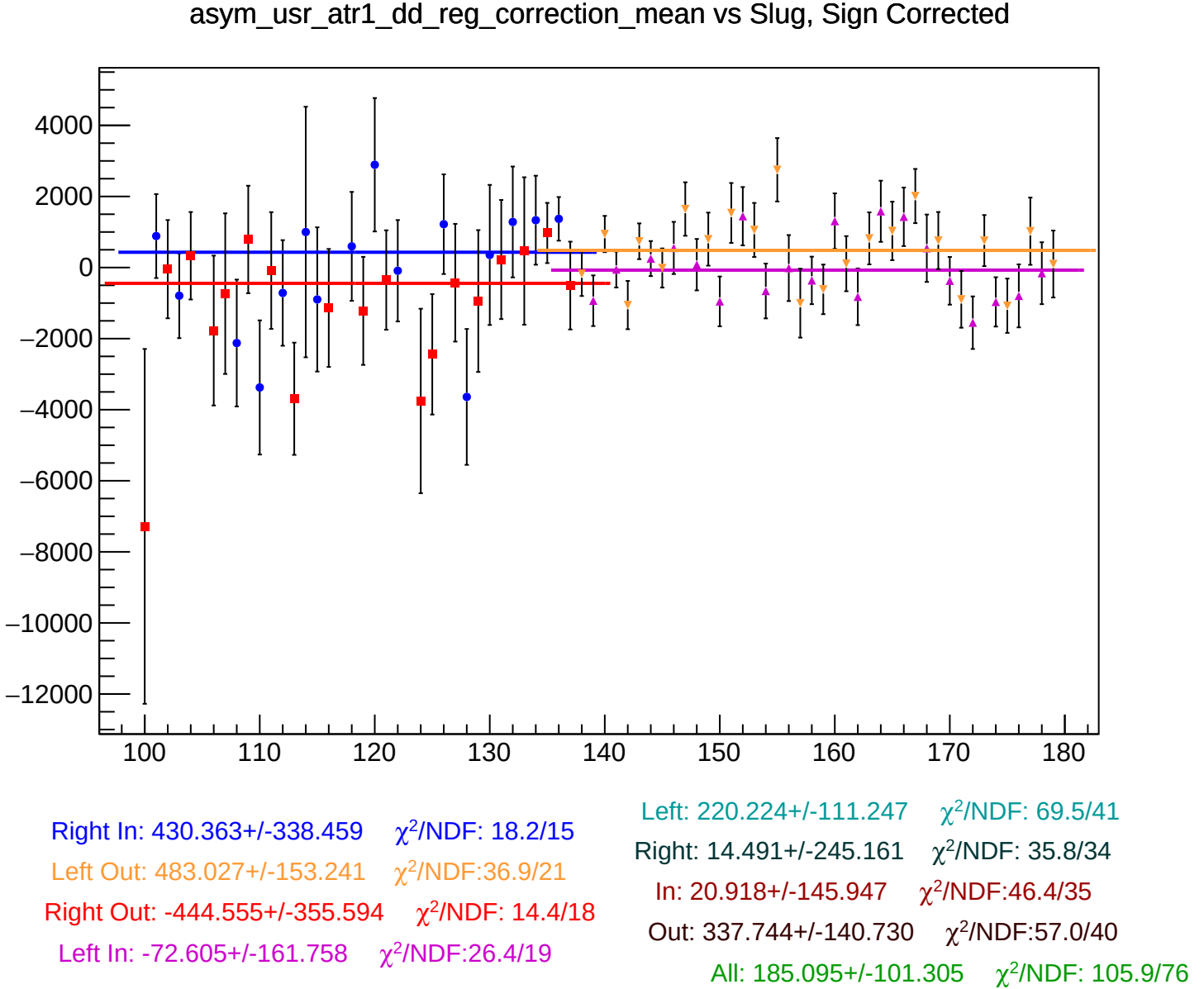
Left: 1320.397+/-0.161 χ^2/NDF: 5878.6/41

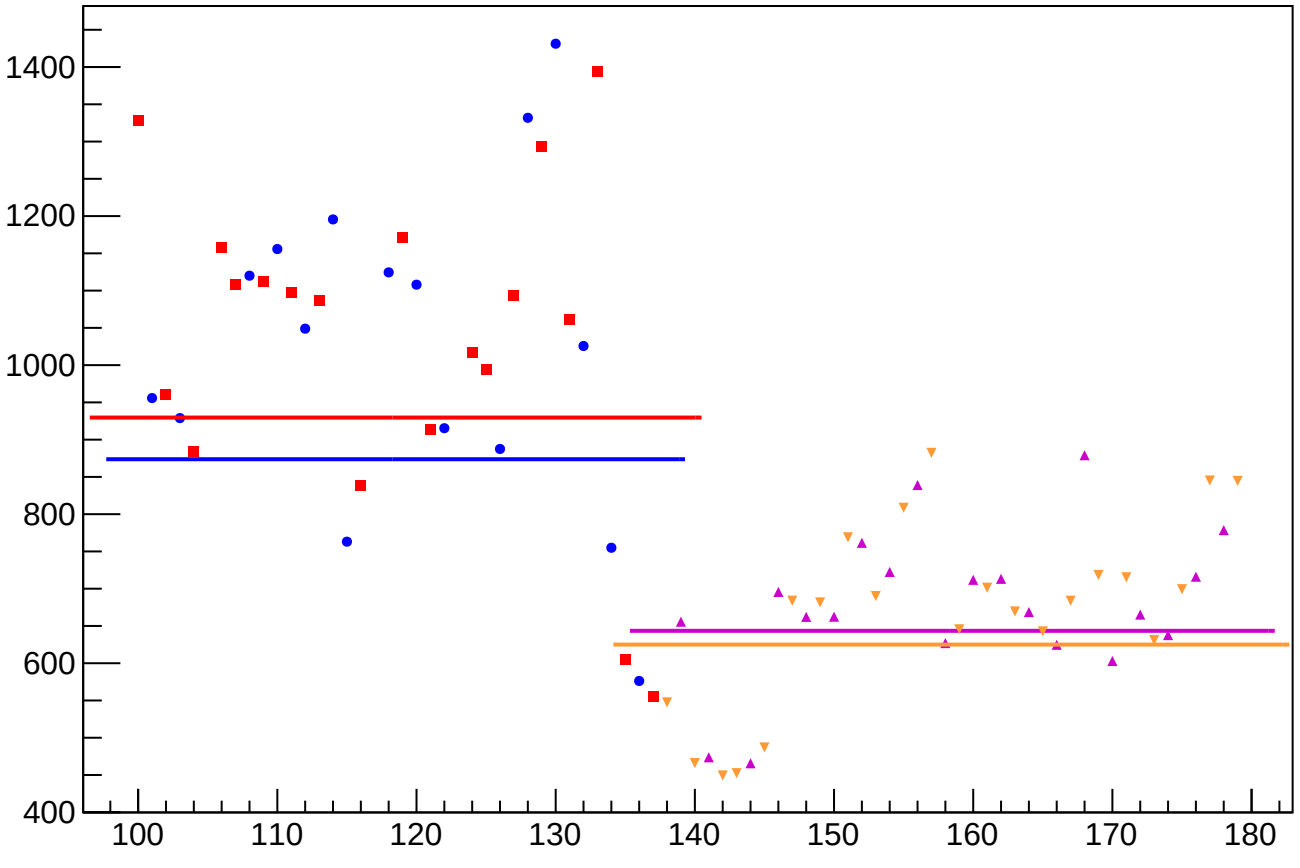
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.961+/-0.195 χ^2/NDF:770411.0/35

Out: 1328.224+/-0.189 χ^2/NDF:154533.3/40

All: 1329.546+/-0.136 χ^2/NDF: 925045.7/76


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 483.027+/-153.241 χ²/NDF:36.9/21
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: -72.605+/-161.758 χ²/NDF:26.4/19
Left: 220.224+/-111.247 χ²/NDF: 69.5/41
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 20.918+/-145.947 χ²/NDF:46.4/35
Out: 337.744+/-140.730 χ²/NDF:57.0/40
All: 185.095+/-101.305 χ²/NDF: 105.9/76



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371528.1/21

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 643.478+/-0.114 χ^2/NDF:878325.3/19

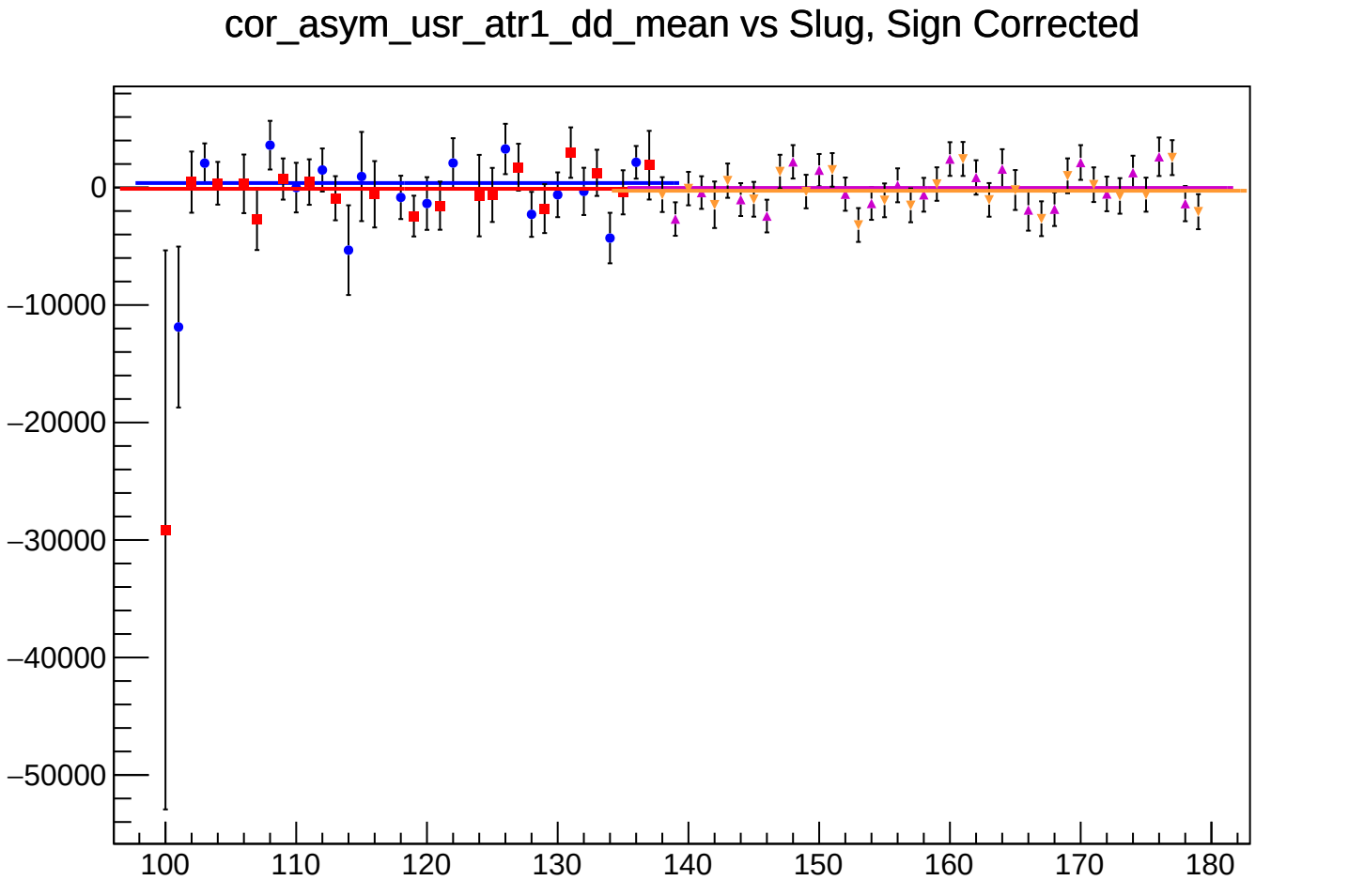
Left: 633.739+/-0.079 χ^2/NDF: 2263607.5/41

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 686.292+/-0.103 χ^2/NDF:2646698.3/35

Out: 672.714+/-0.100 χ^2/NDF:3469421.5/40

All: 679.256+/-0.072 χ^2/NDF: 6125090.0/76



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -35.587+/-326.708 χ^2/NDF:25.3/19

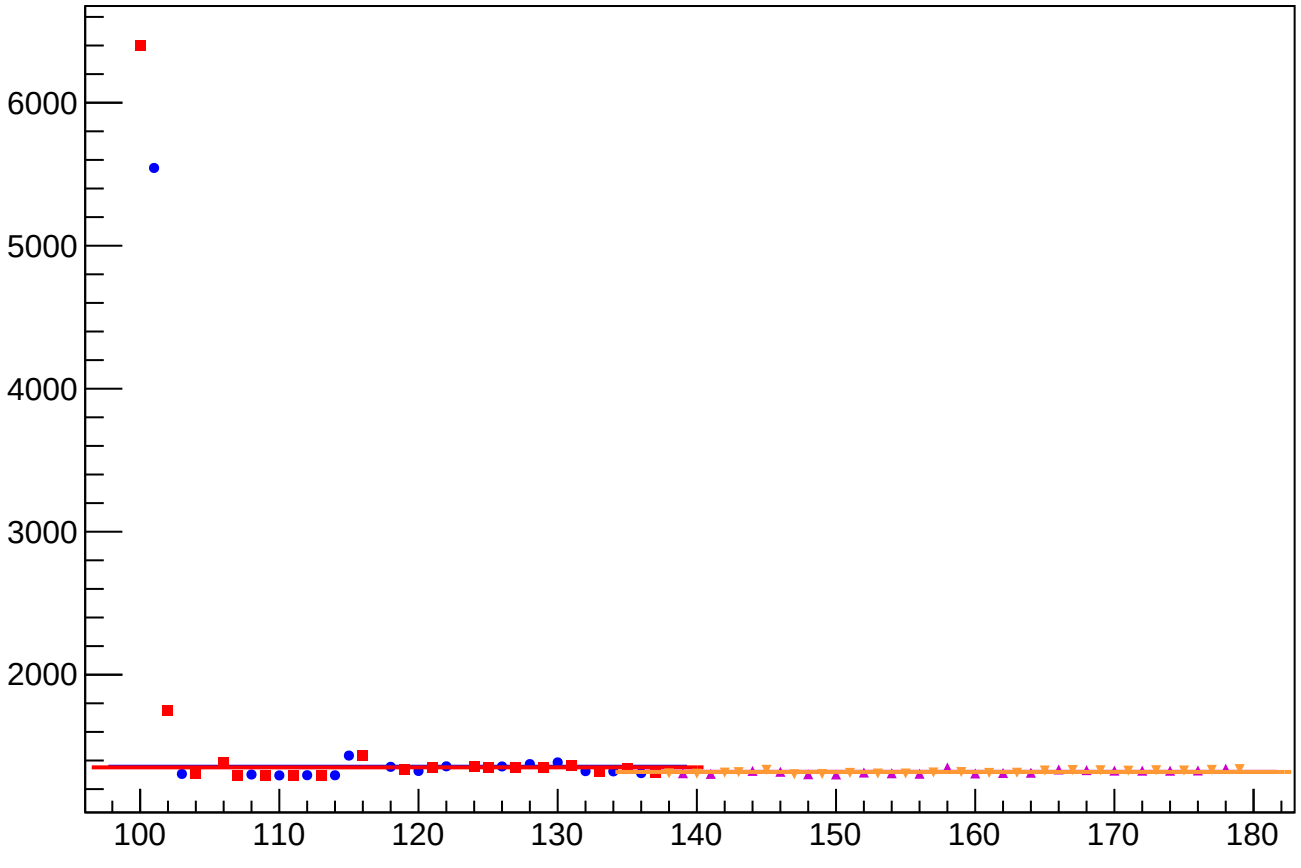
Left: -159.177+/-226.998 χ^2/NDF: 47.2/41

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 83.240+/-276.304 χ^2/NDF:47.3/35

Out: -228.085+/-267.306 χ^2/NDF:31.7/40

All: -77.574+/-192.116 χ^2/NDF: 79.6/76



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

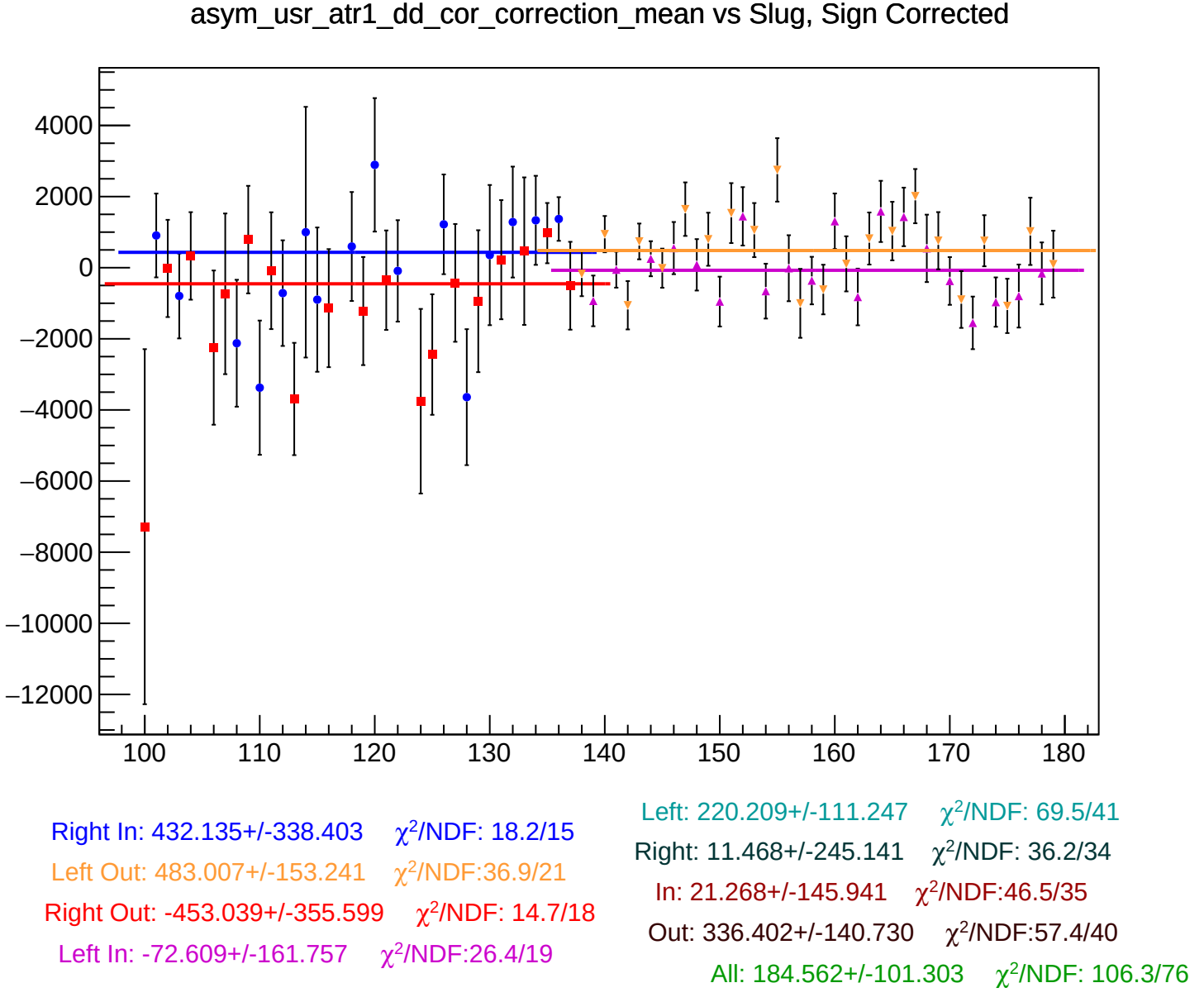
Left: 1320.397+/-0.161 χ^2/NDF: 5878.6/41

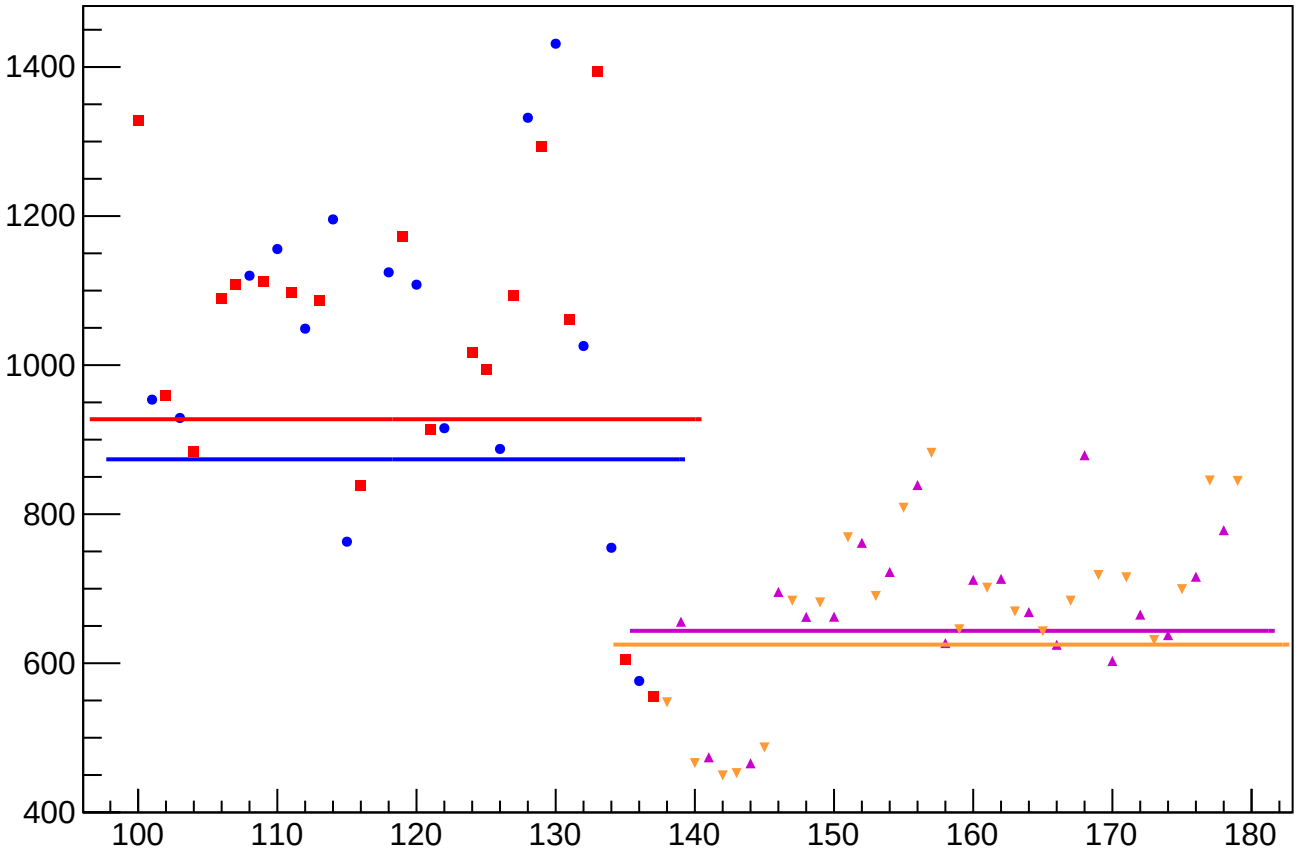
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.961+/-0.195 χ^2/NDF:770410.0/35

Out: 1329.063+/-0.189 χ^2/NDF:155648.7/40

All: 1329.981+/-0.136 χ^2/NDF: 926107.4/76


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 483.007+/-153.241 χ²/NDF:36.9/21
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -72.609+/-161.757 χ²/NDF:26.4/19
Left: 220.209+/-111.247 χ²/NDF: 69.5/41
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 21.268+/-145.941 χ²/NDF:46.5/35
Out: 336.402+/-140.730 χ²/NDF:57.4/40
All: 184.562+/-101.303 χ²/NDF: 106.3/76



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 643.471+/-0.114 χ^2/NDF:878378.7/19

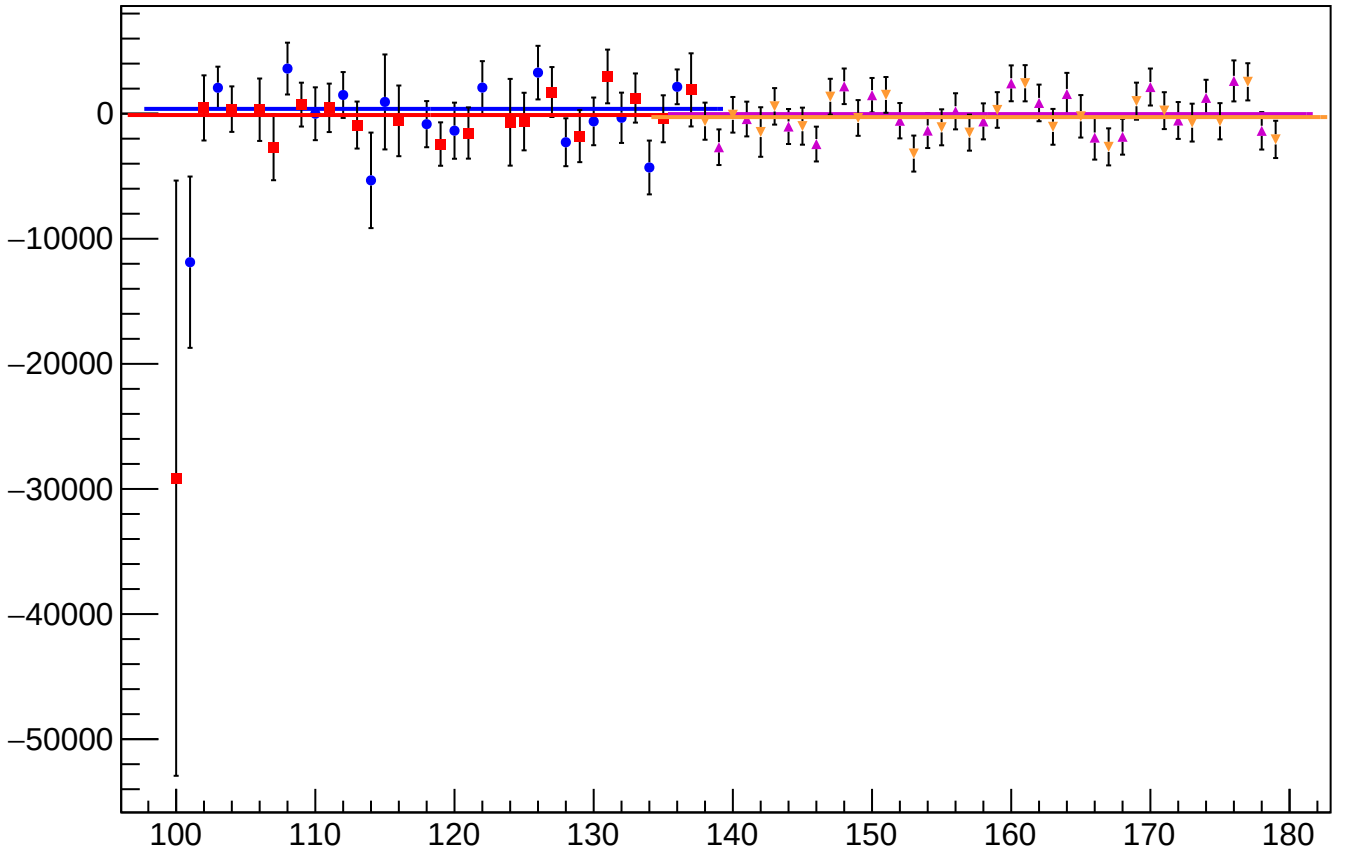
Left: 633.736+/-0.079 χ^2/NDF: 2263557.2/41

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.274+/-0.103 χ^2/NDF:2645718.1/35

Out: 672.363+/-0.100 χ^2/NDF:3438692.9/40

All: 679.066+/-0.072 χ^2/NDF: 6093826.9/76



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -274.525+/-315.627 χ^2/NDF:21.6/21

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -35.587+/-326.708 χ^2/NDF:25.3/19

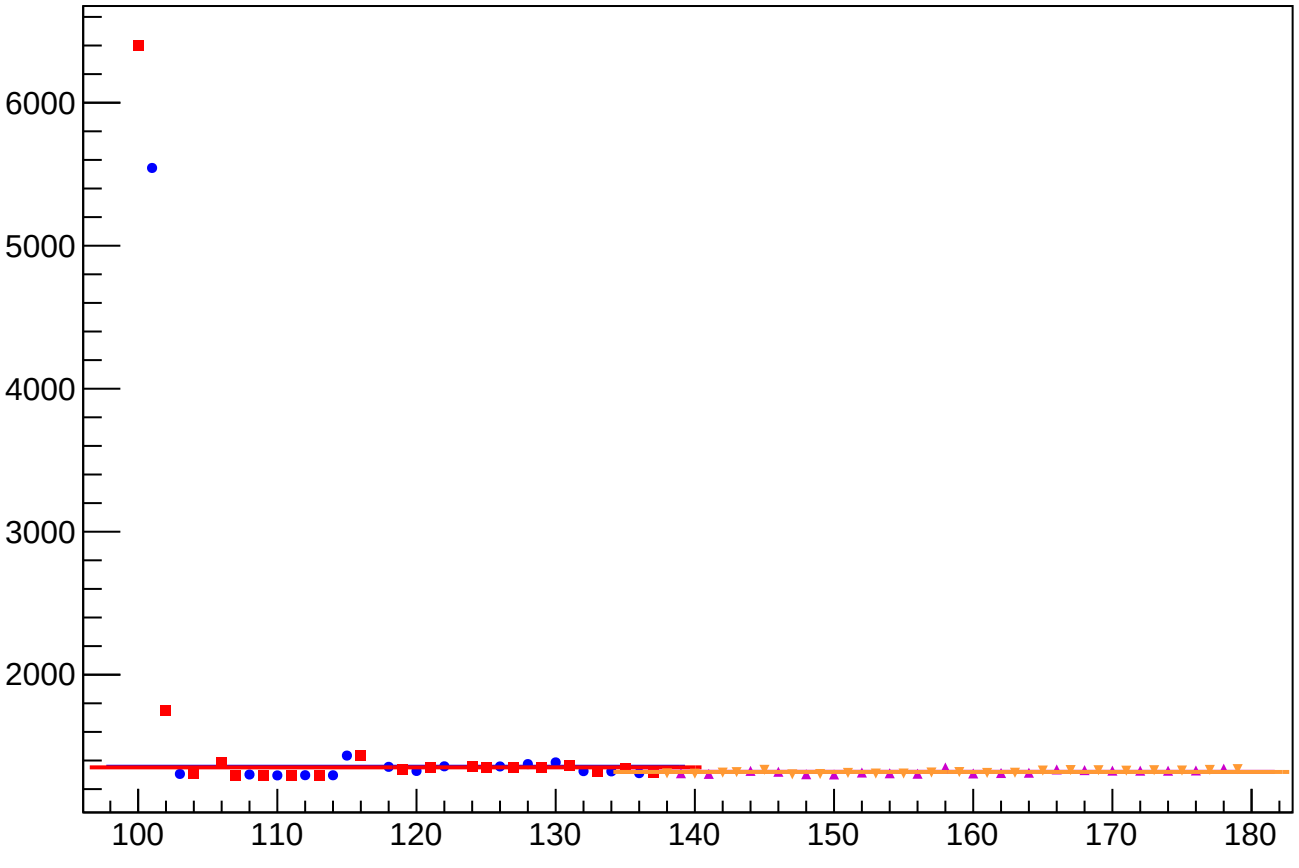
Left: -159.177+/-226.998 χ^2/NDF: 47.2/41

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 83.240+/-276.304 χ^2/NDF:47.3/35

Out: -228.085+/-267.306 χ^2/NDF:31.7/40

All: -77.574+/-192.116 χ^2/NDF: 79.6/76



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.988+/-0.223 χ^2/NDF:2474.9/21

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1320.835+/-0.231 χ^2/NDF:3396.8/19

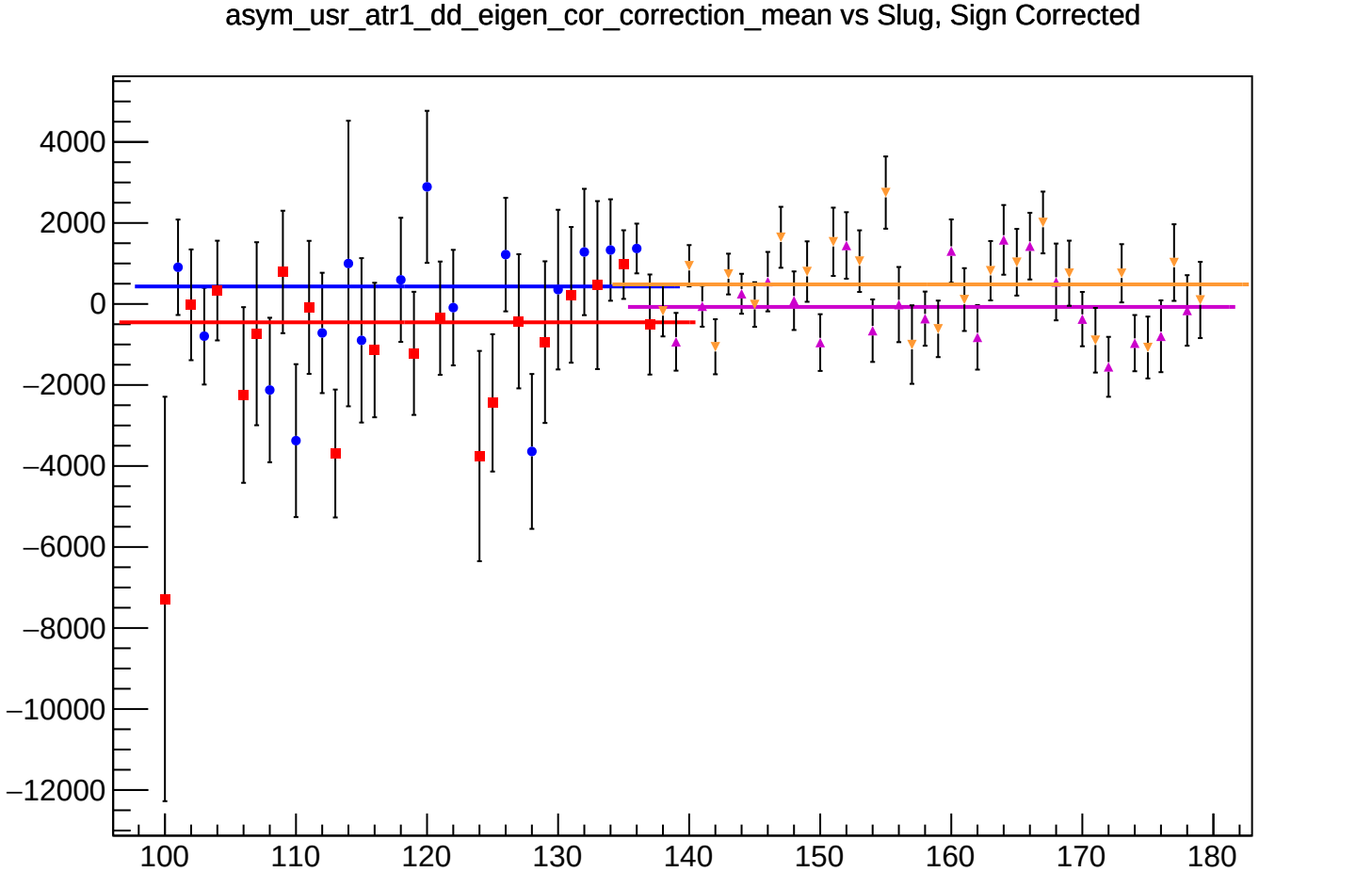
Left: 1320.397+/-0.161 χ^2/NDF: 5878.6/41

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.961+/-0.195 χ^2/NDF:770410.0/35

Out: 1329.063+/-0.189 χ^2/NDF:155648.7/40

All: 1329.981+/-0.136 χ^2/NDF: 926107.4/76



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 483.007+/-153.241 χ^2/NDF:36.9/21

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -72.609+/-161.757 χ^2/NDF:26.4/19

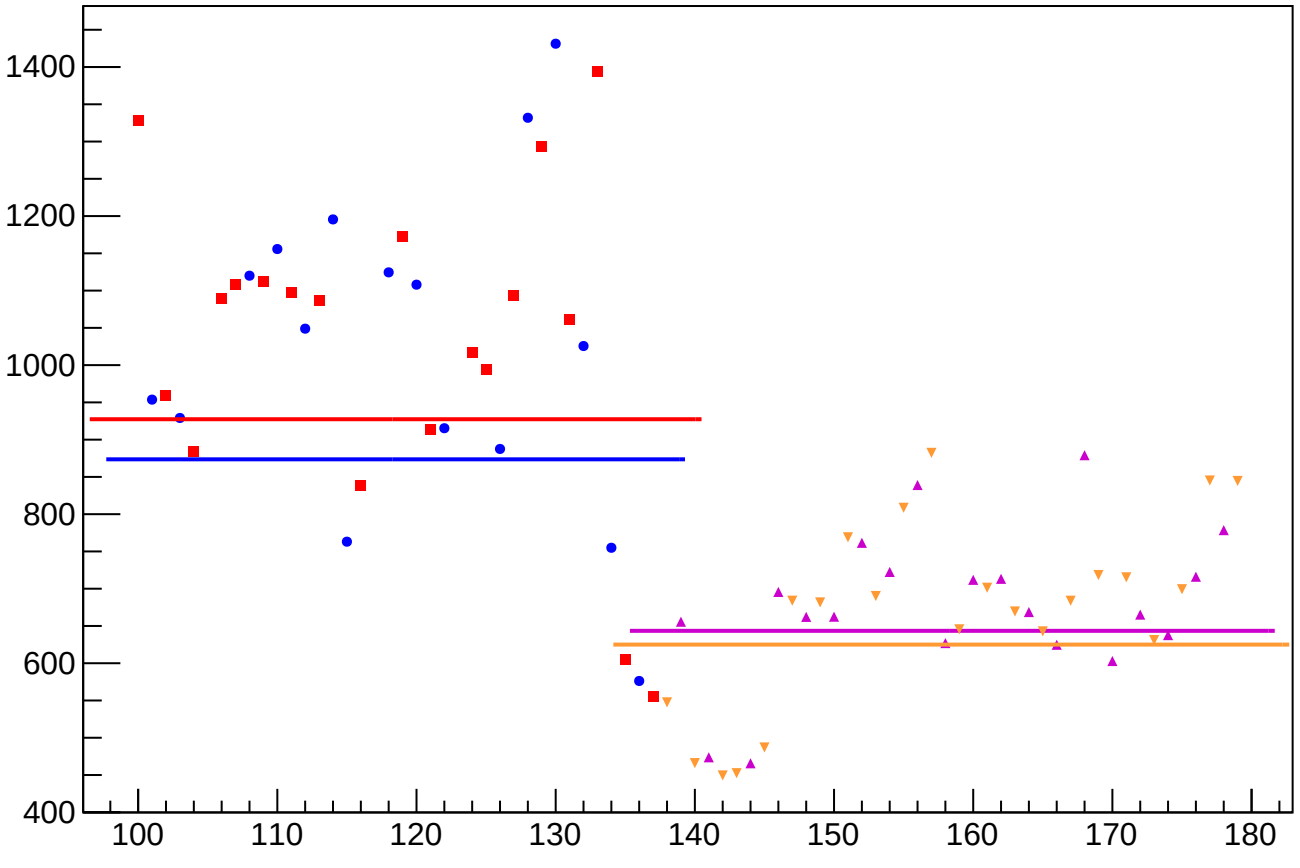
Left: 220.209+/-111.247 χ^2/NDF: 69.5/41

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 21.268+/-145.941 χ^2/NDF:46.5/35

Out: 336.402+/-140.730 χ^2/NDF:57.4/40

All: 184.562+/-101.303 χ^2/NDF: 106.3/76



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 625.000+/-0.108 χ^2/NDF:1371433.4/21

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 643.471+/-0.114 χ^2/NDF:878378.7/19

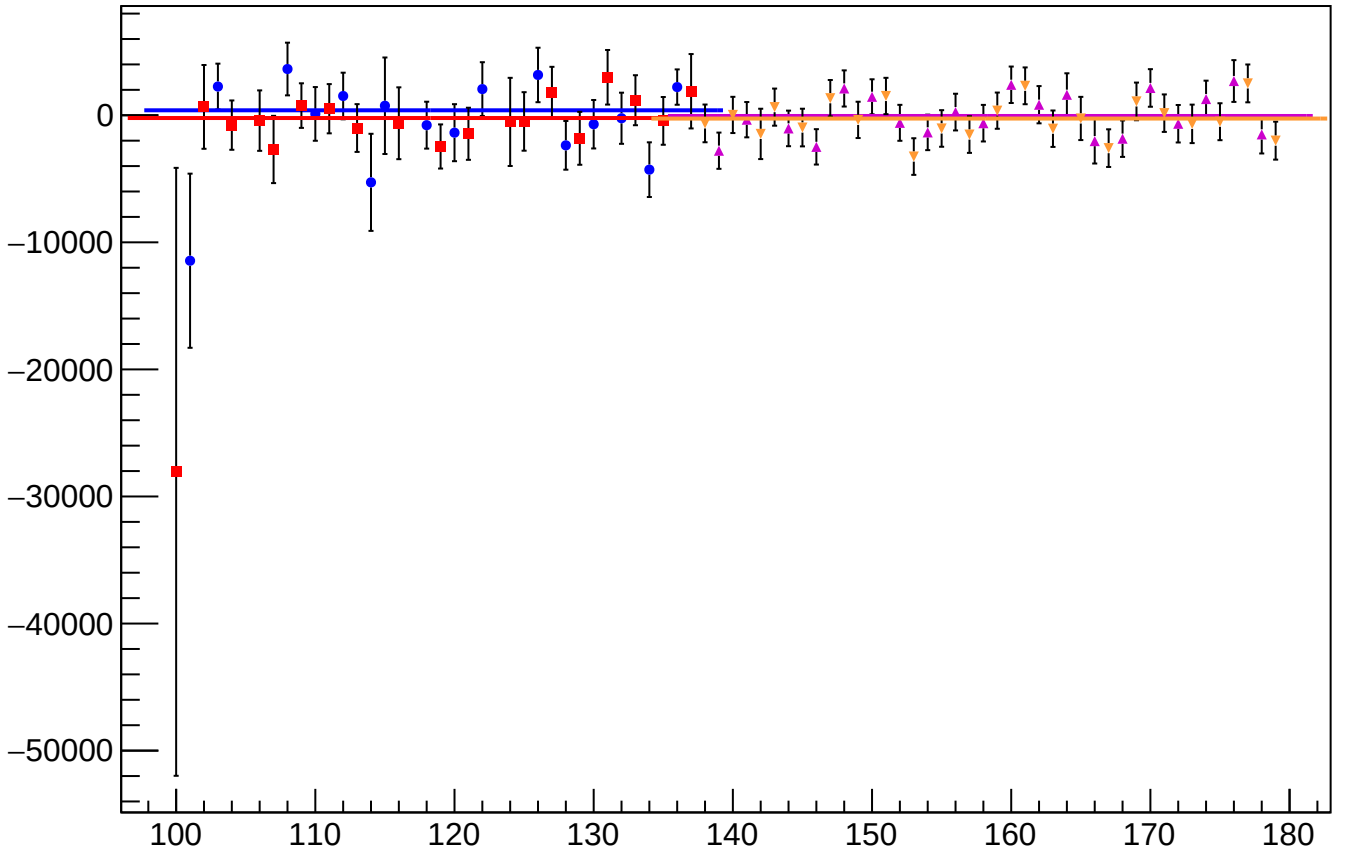
Left: 633.736+/-0.079 χ^2/NDF: 2263557.2/41

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.274+/-0.103 χ^2/NDF:2645718.1/35

Out: 672.363+/-0.100 χ^2/NDF:3438692.9/40

All: 679.066+/-0.072 χ^2/NDF: 6093826.9/76



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -260.227+/-315.946 χ^2/NDF:21.2/21

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -57.690+/-327.016 χ^2/NDF:26.0/19

Left: -162.445+/-227.220 χ^2/NDF: 47.4/41

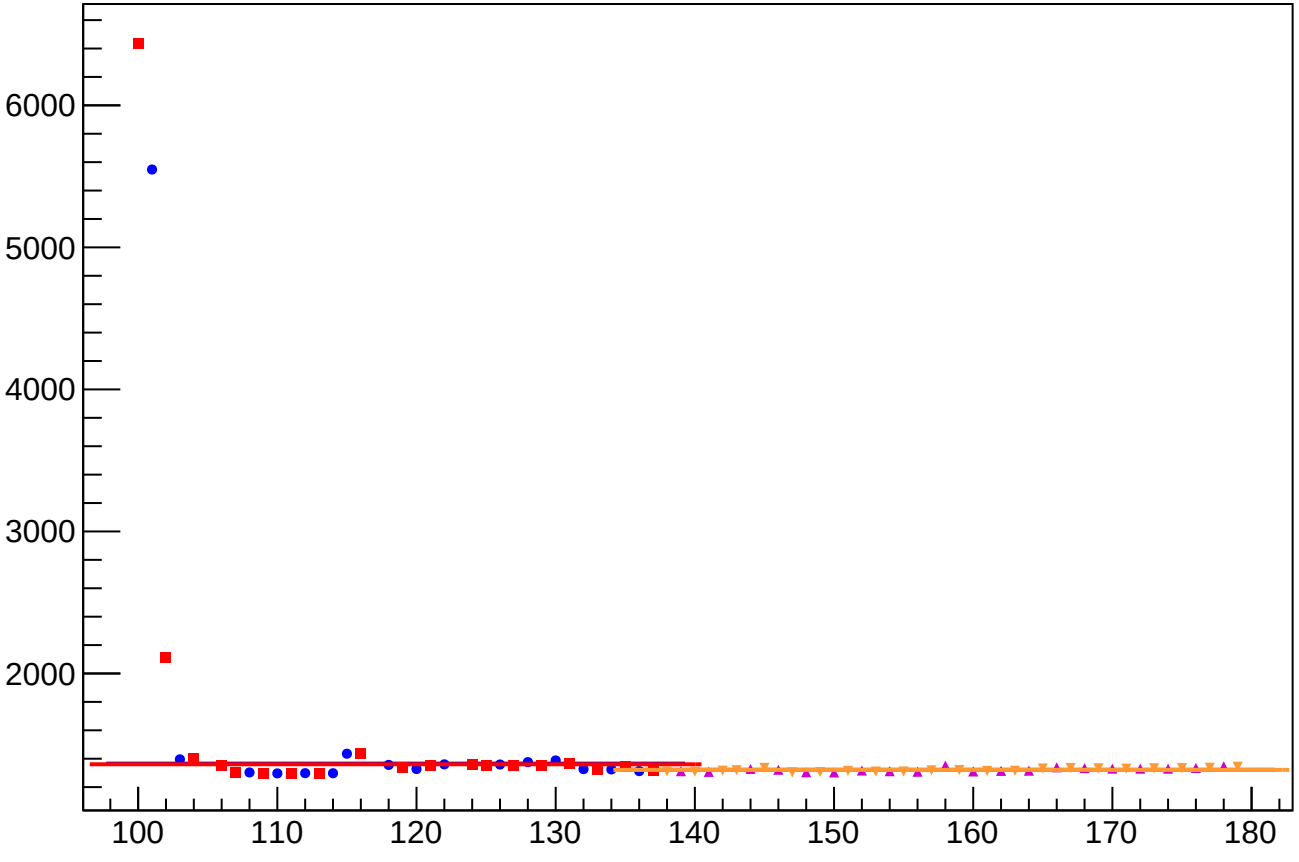
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 68.768+/-277.000 χ^2/NDF:48.0/35

Out: -248.498+/-268.279 χ^2/NDF:31.2/40

All: -94.938+/-192.711 χ^2/NDF: 79.8/76

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.319+/-0.223 χ^2/NDF:2669.6/21

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1322.075+/-0.231 χ^2/NDF:3577.0/19

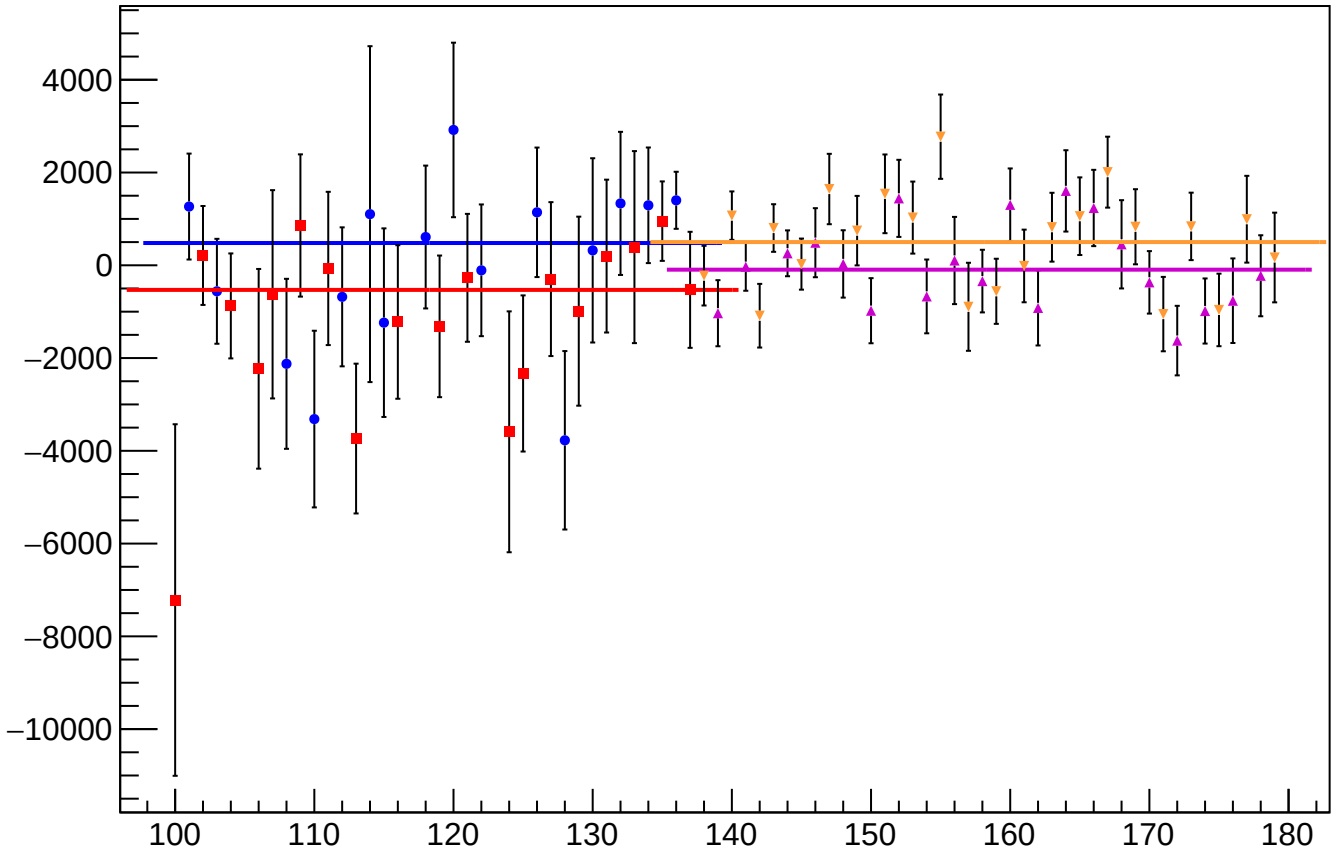
Left: 1321.684+/-0.161 χ^2/NDF: 6252.2/41

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.287+/-0.196 χ^2/NDF:772394.1/35

Out: 1332.325+/-0.190 χ^2/NDF:216684.7/40

All: 1333.274+/-0.136 χ^2/NDF: 989130.6/76



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 500.798+/-155.009 χ^2/NDF:36.9/21

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -94.323+/-163.469 χ^2/NDF:26.0/19

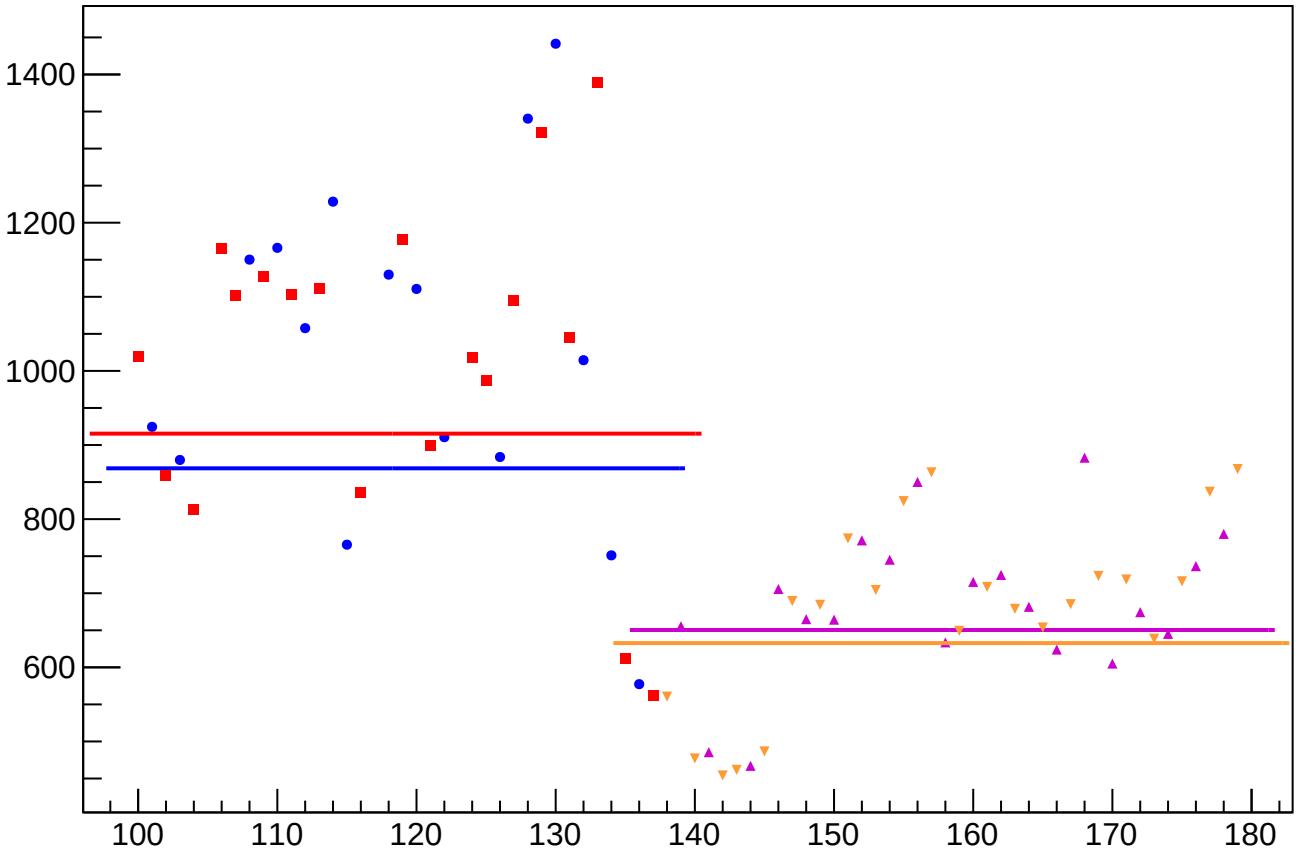
Left: 219.035+/-112.480 χ^2/NDF: 69.9/41

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 15.401+/-147.039 χ^2/NDF:47.0/35

Out: 328.491+/-141.469 χ^2/NDF:59.9/40

All: 177.989+/-101.946 χ^2/NDF: 109.3/76



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 632.756+/-0.110 χ^2/NDF:1323391.9/21

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 650.414+/-0.116 χ^2/NDF:879841.0/19

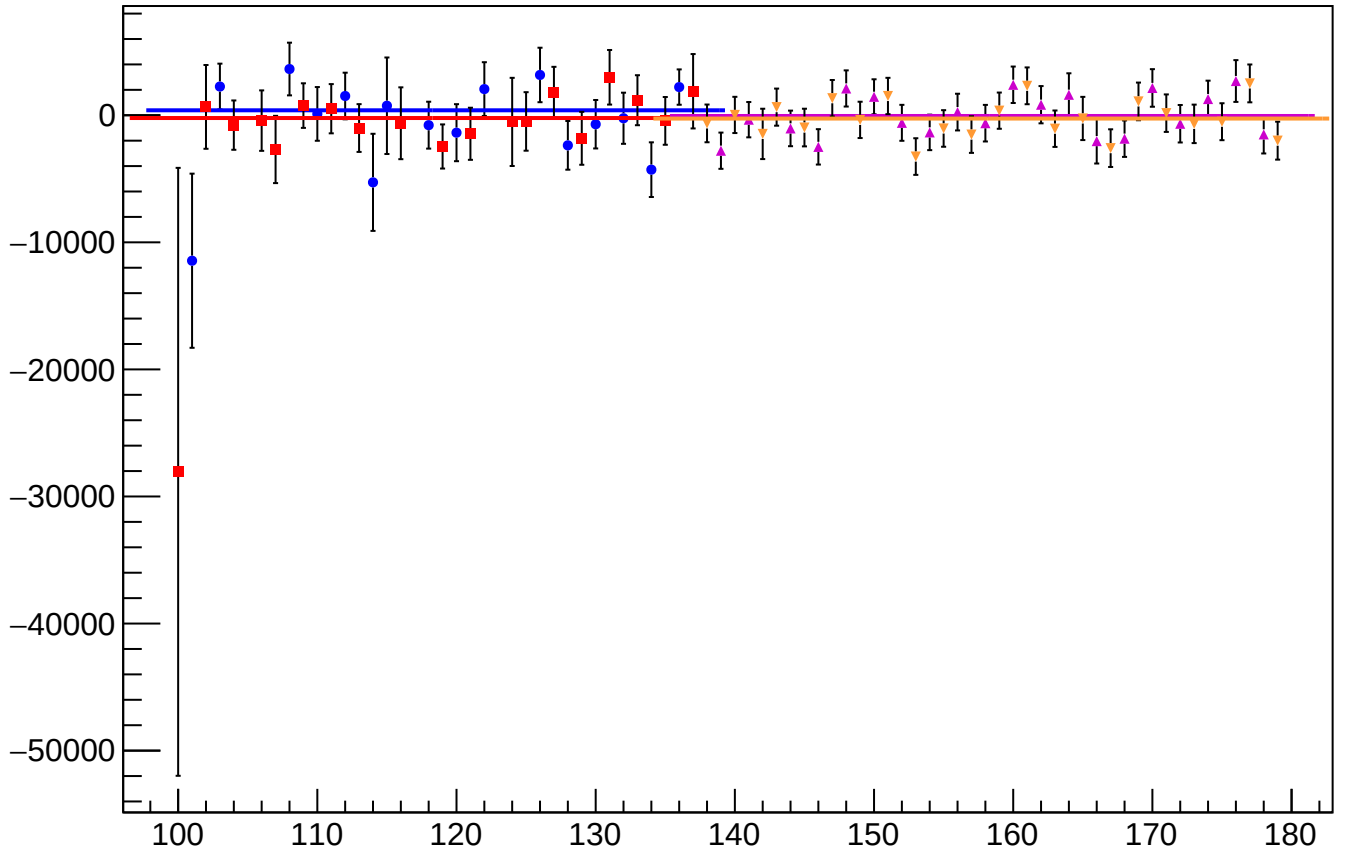
Left: 641.116+/-0.080 χ^2/NDF: 2215521.1/41

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 692.064+/-0.104 χ^2/NDF:2581232.8/35

Out: 679.971+/-0.100 χ^2/NDF:3292952.9/40

All: 685.784+/-0.072 χ^2/NDF: 5881210.3/76



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -260.228+/-315.946 χ^2/NDF:21.2/21

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -57.690+/-327.016 χ^2/NDF:26.0/19

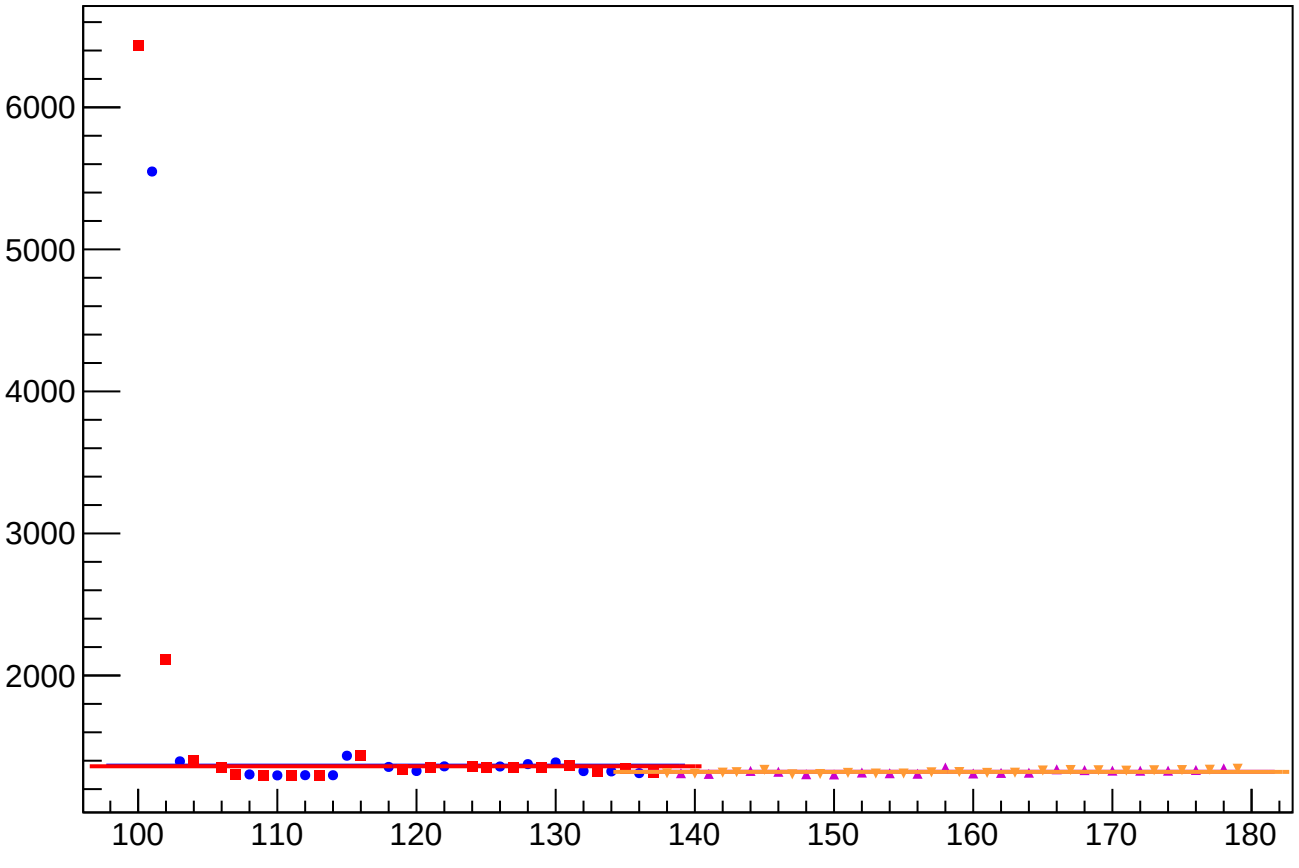
Left: -162.445+/-227.220 χ^2/NDF: 47.4/41

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 68.768+/-277.000 χ^2/NDF:48.0/35

Out: -248.498+/-268.279 χ^2/NDF:31.2/40

All: -94.938+/-192.711 χ^2/NDF: 79.8/76



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1321.319+/-0.223 χ^2/NDF:2669.6/21

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1322.075+/-0.231 χ^2/NDF:3577.0/19

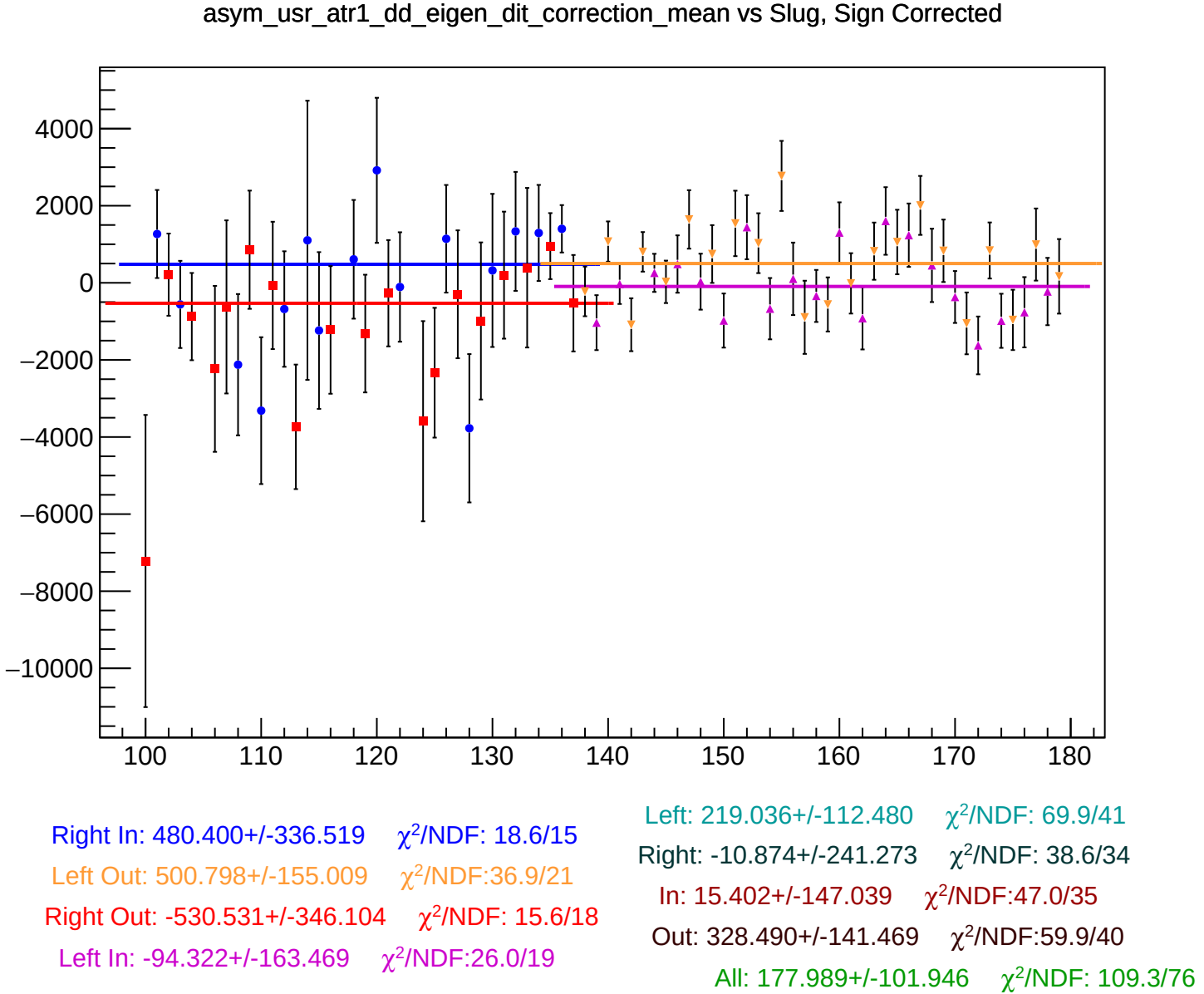
Left: 1321.684+/-0.161 χ^2/NDF: 6252.2/41

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

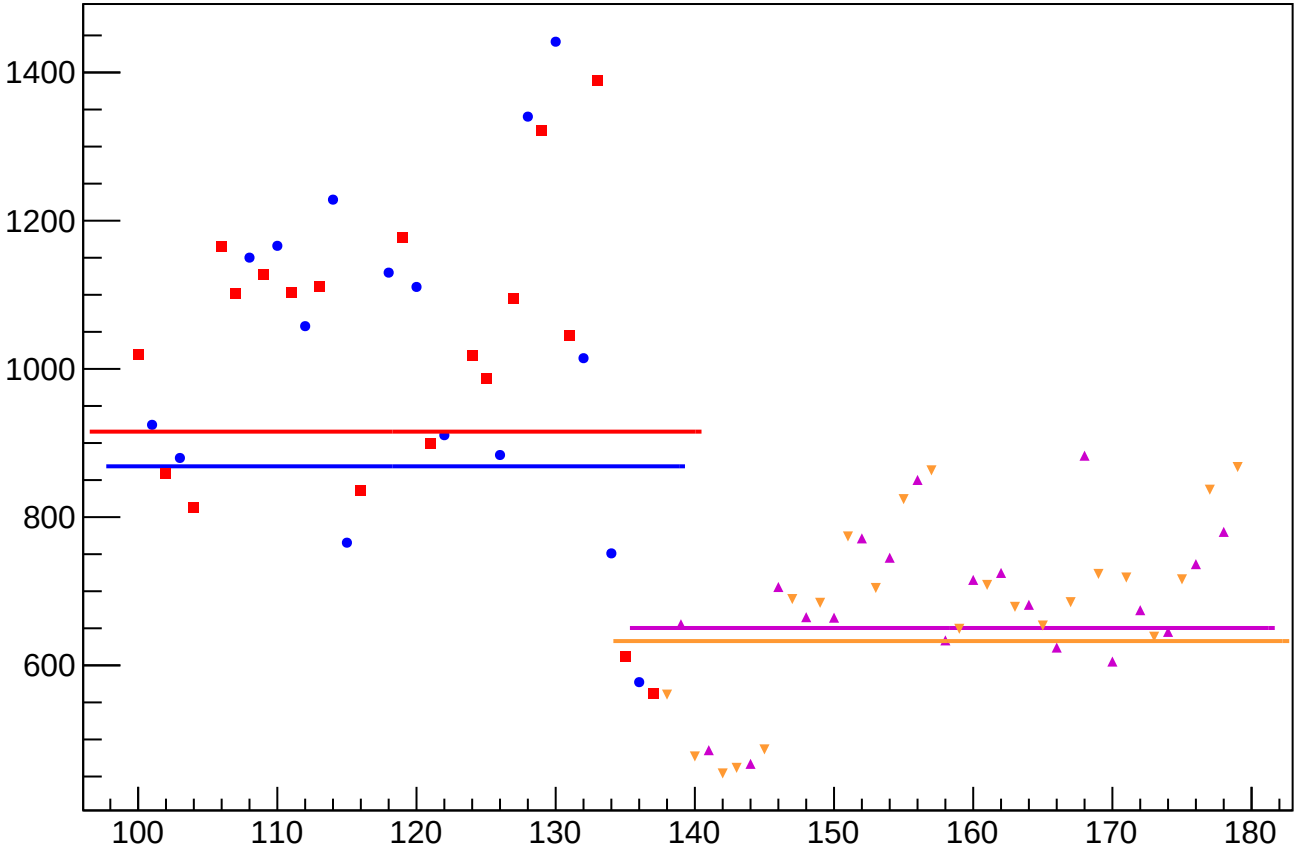
In: 1334.287+/-0.196 χ^2/NDF:772394.1/35

Out: 1332.325+/-0.190 χ^2/NDF:216684.6/40

All: 1333.274+/-0.136 χ^2/NDF: 989130.5/76


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 500.798+/-155.009 χ²/NDF:36.9/21
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -94.322+/-163.469 χ²/NDF:26.0/19
Left: 219.036+/-112.480 χ²/NDF: 69.9/41
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 15.402+/-147.039 χ²/NDF:47.0/35
Out: 328.490+/-141.469 χ²/NDF:59.9/40
All: 177.989+/-101.946 χ²/NDF: 109.3/76

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 632.756+/-0.110 χ^2/NDF:1323411.9/21

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 650.415+/-0.116 χ^2/NDF:879849.2/19

Left: 641.117+/-0.080 χ^2/NDF: 2215550.3/41

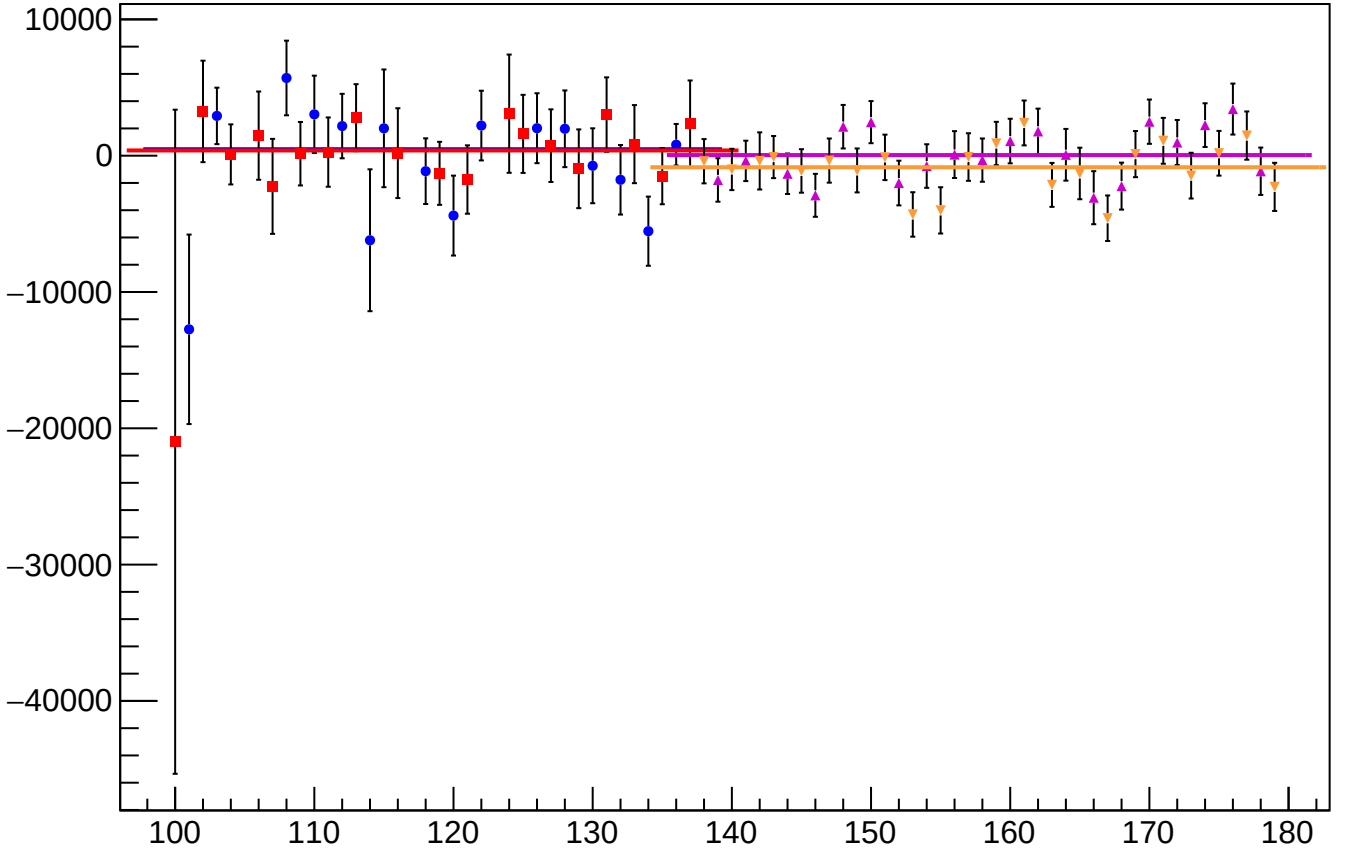
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 692.065+/-0.104 χ^2/NDF:2581219.8/35

Out: 679.972+/-0.100 χ^2/NDF:3292958.2/40

All: 685.785+/-0.072 χ^2/NDF: 5881203.1/76

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -847.581+/-356.074 χ^2/NDF:24.3/21

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: 46.116+/-368.153 χ^2/NDF:25.8/19

Left: -415.633+/-255.946 χ^2/NDF: 53.1/41

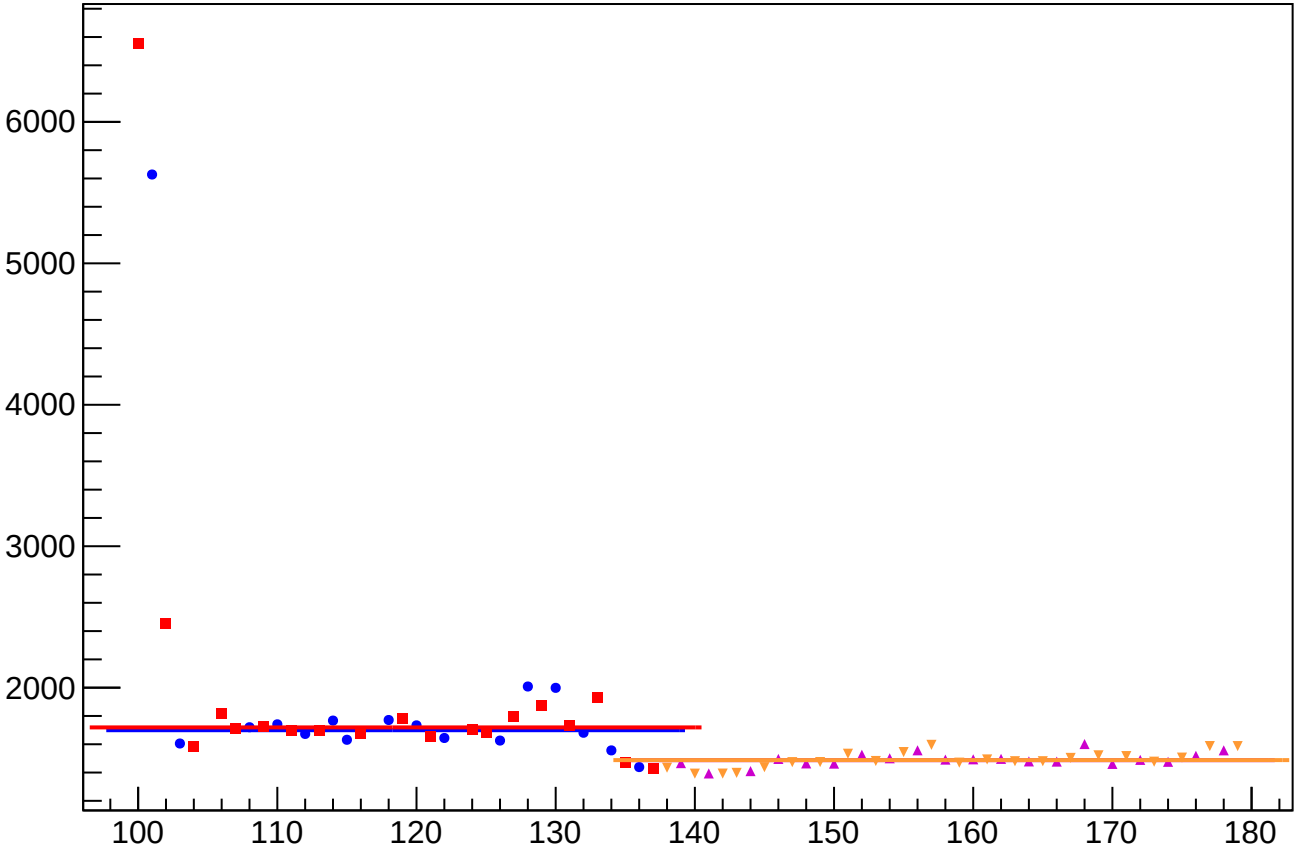
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 150.101+/-320.249 χ^2/NDF:48.8/35

Out: -557.662+/-311.386 χ^2/NDF:34.3/40

All: -213.709+/-223.251 χ^2/NDF: 85.6/76

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1487.878+/-0.252 χ^2/NDF:49490.7/21

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1487.547+/-0.260 χ^2/NDF:32625.1/19

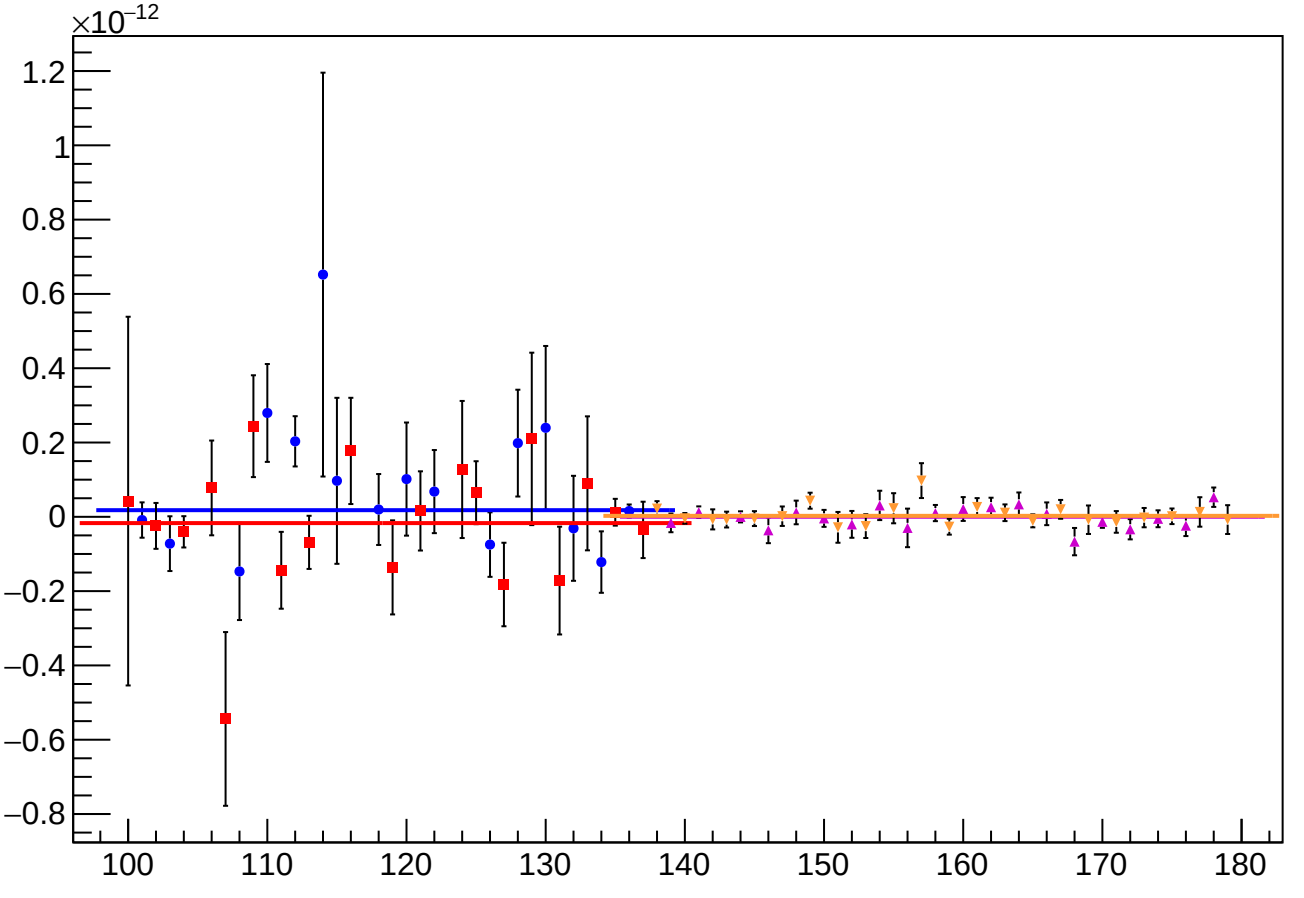
Left: 1487.718+/-0.181 χ^2/NDF: 82116.6/41

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1539.076+/-0.226 χ^2/NDF:955755.1/35

Out: 1542.275+/-0.220 χ^2/NDF:481647.9/40

All: 1540.720+/-0.158 χ^2/NDF: 1437505.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.8/19

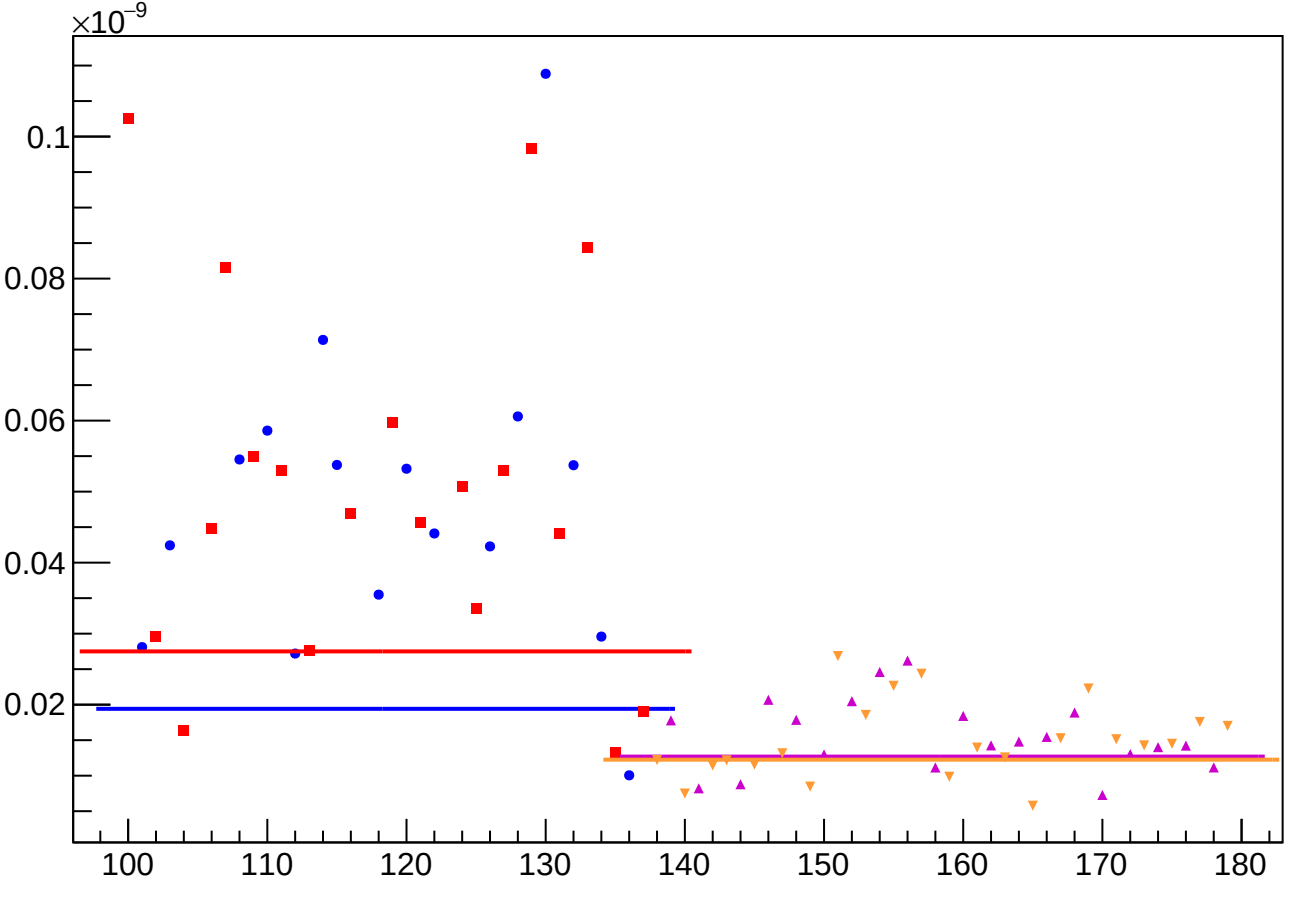
Left: 0.000+/-0.000 χ^2/NDF: 32.4/41

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:41.7/35

Out: 0.000+/-0.000 χ^2/NDF:37.8/40

All: 0.000+/-0.000 χ^2/NDF: 79.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1474606.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1357816.9/19

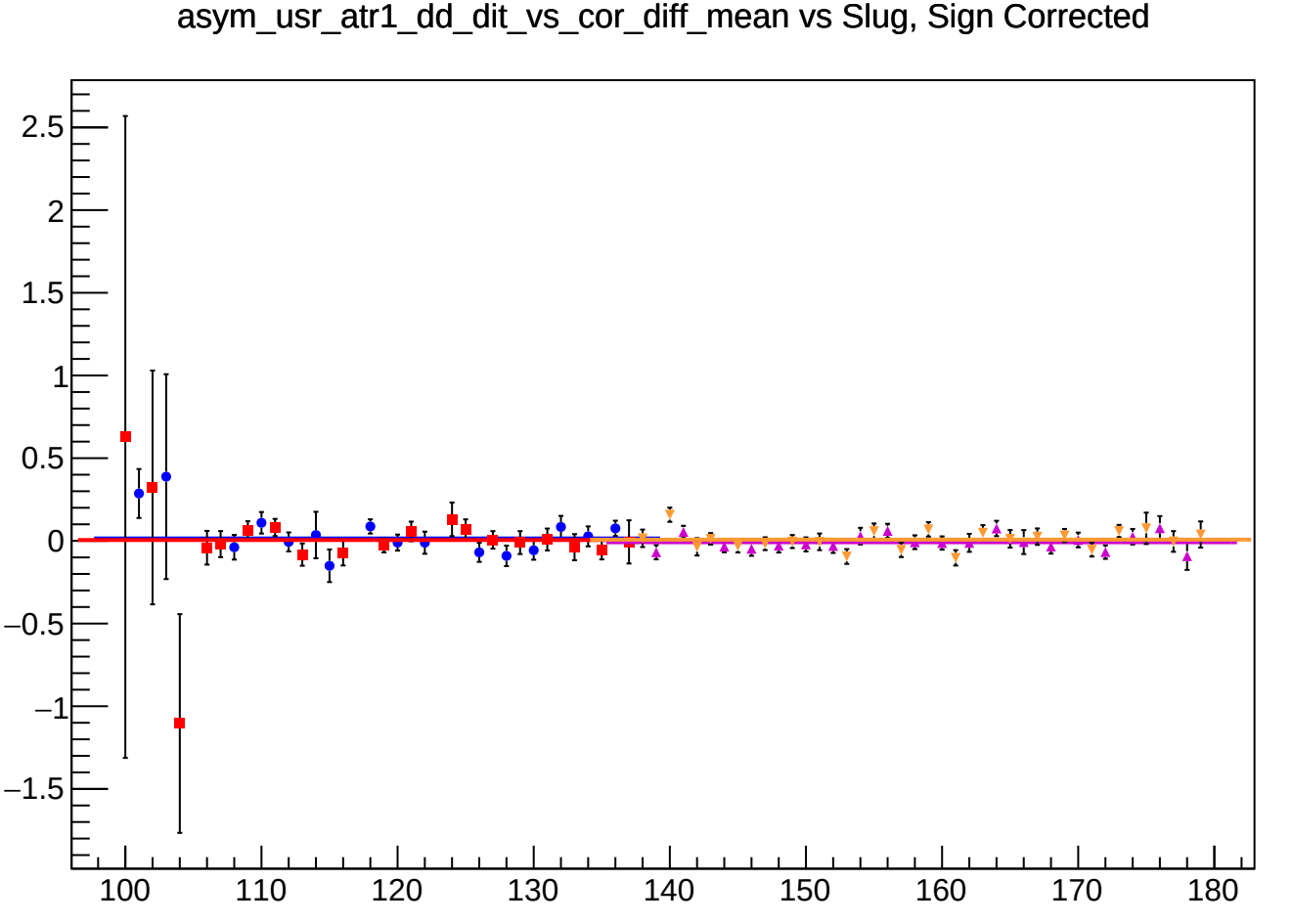
Left: 0.000+/-0.000 χ^2/NDF: 2839015.3/41

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:4014358.7/35

Out: 0.000+/-0.000 χ^2/NDF:4311575.9/40

All: 0.000+/-0.000 χ^2/NDF: 8328422.2/76



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/19

Left: -0.000+/-0.007 χ^2/NDF: 56.5/41

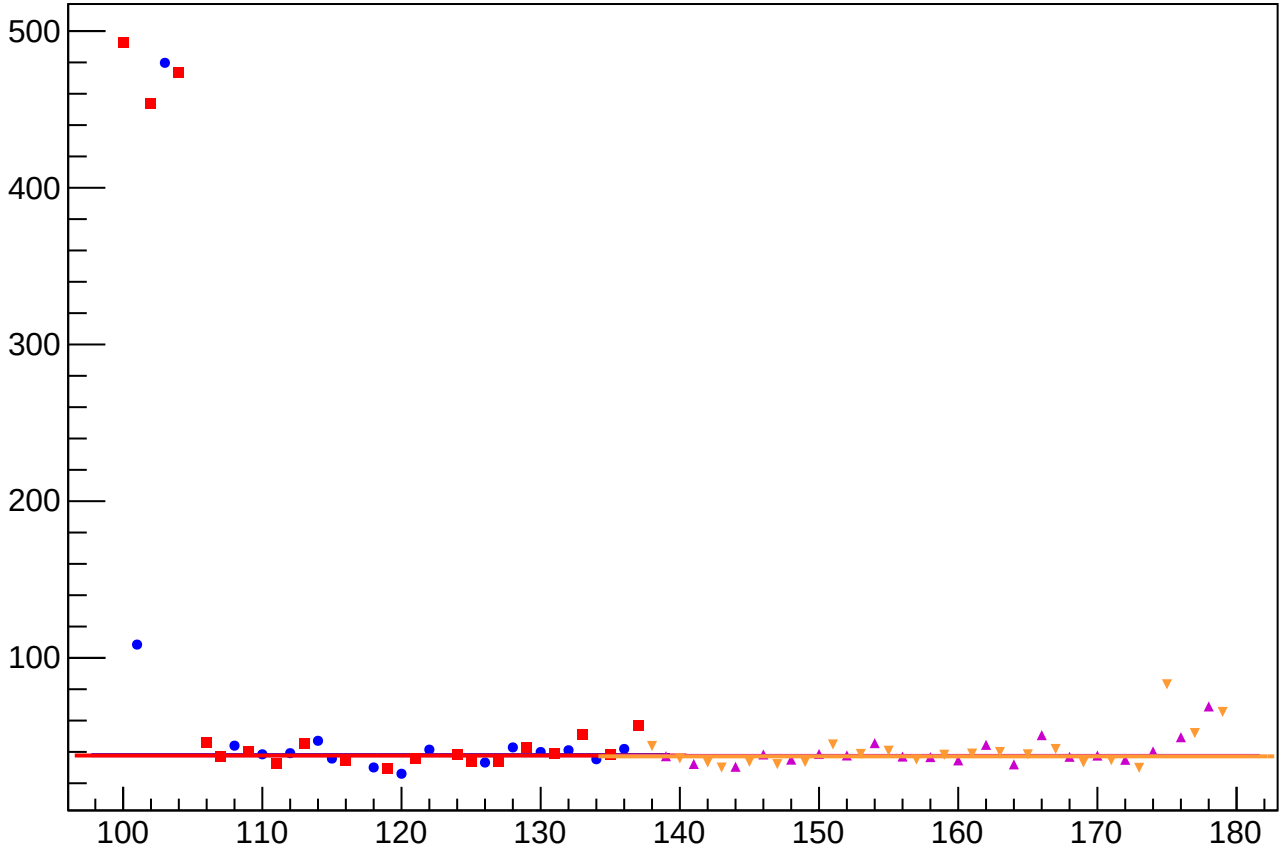
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/76

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.447+/-0.007 χ^2/NDF:675445.4/19

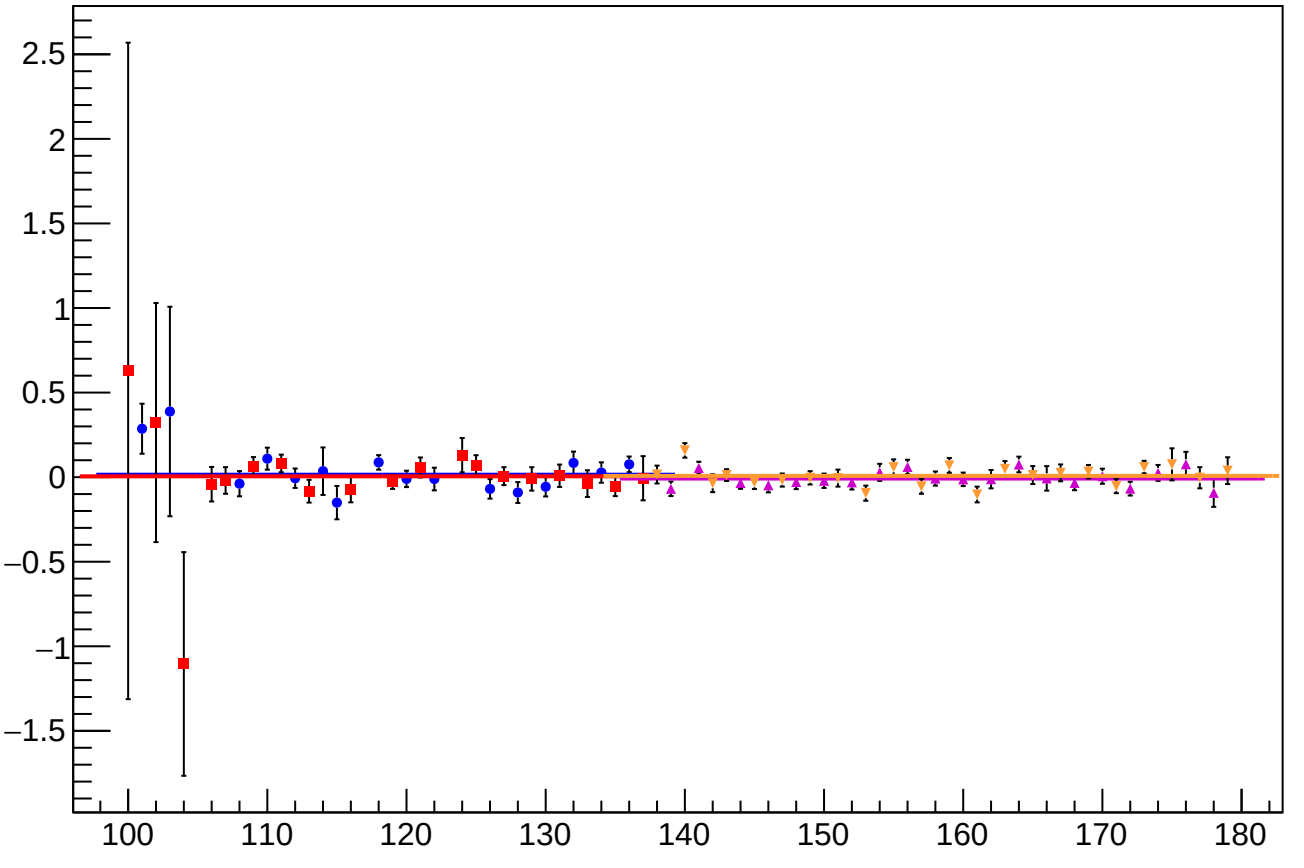
Left: 37.306+/-0.005 χ^2/NDF: 1906569.8/41

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.588+/-0.006 χ^2/NDF:2416494.7/35

Out: 37.314+/-0.006 χ^2/NDF:3176787.9/40

All: 37.448+/-0.004 χ^2/NDF: 5594348.7/76



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/19

Left: -0.000+/-0.007 χ^2/NDF: 56.5/41

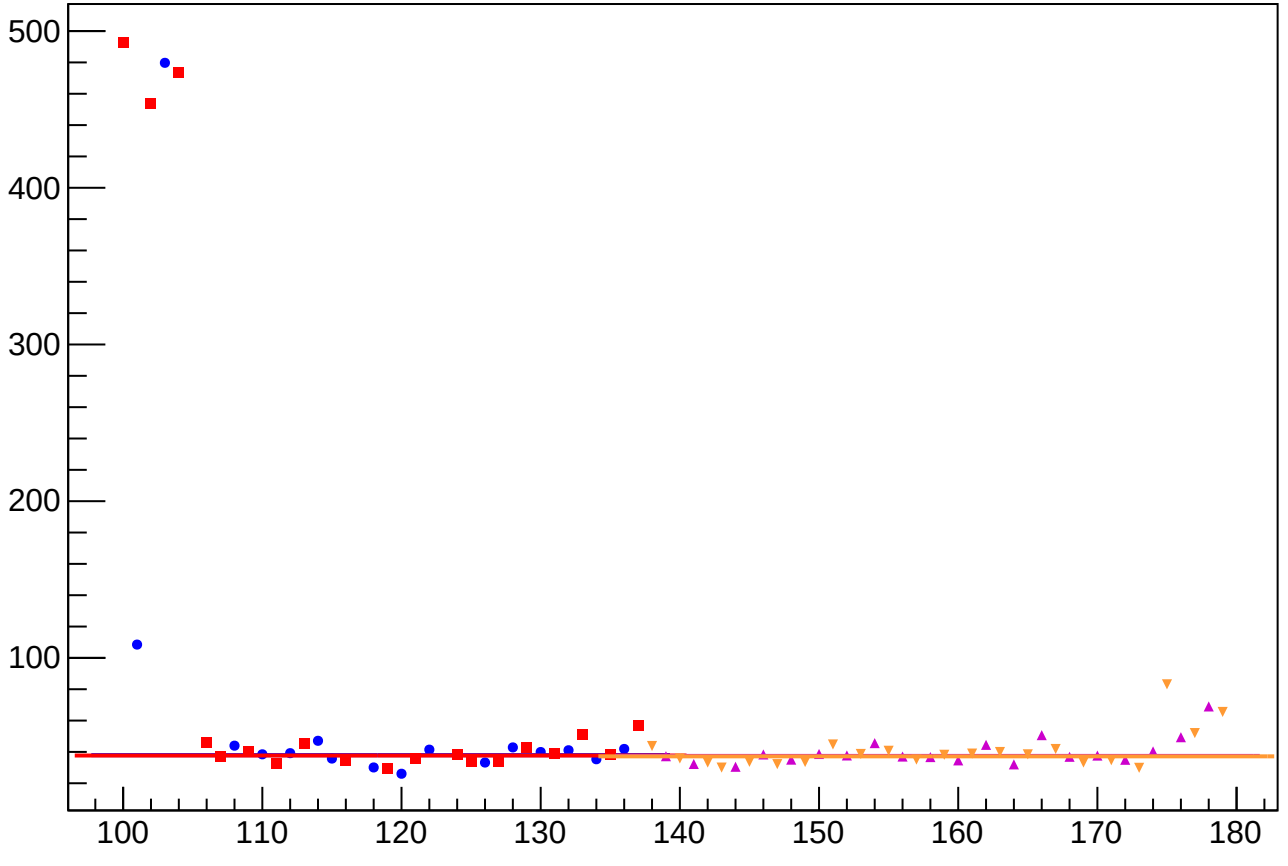
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/76

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230356.6/21

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 37.447+/-0.007 χ^2/NDF:675445.4/19

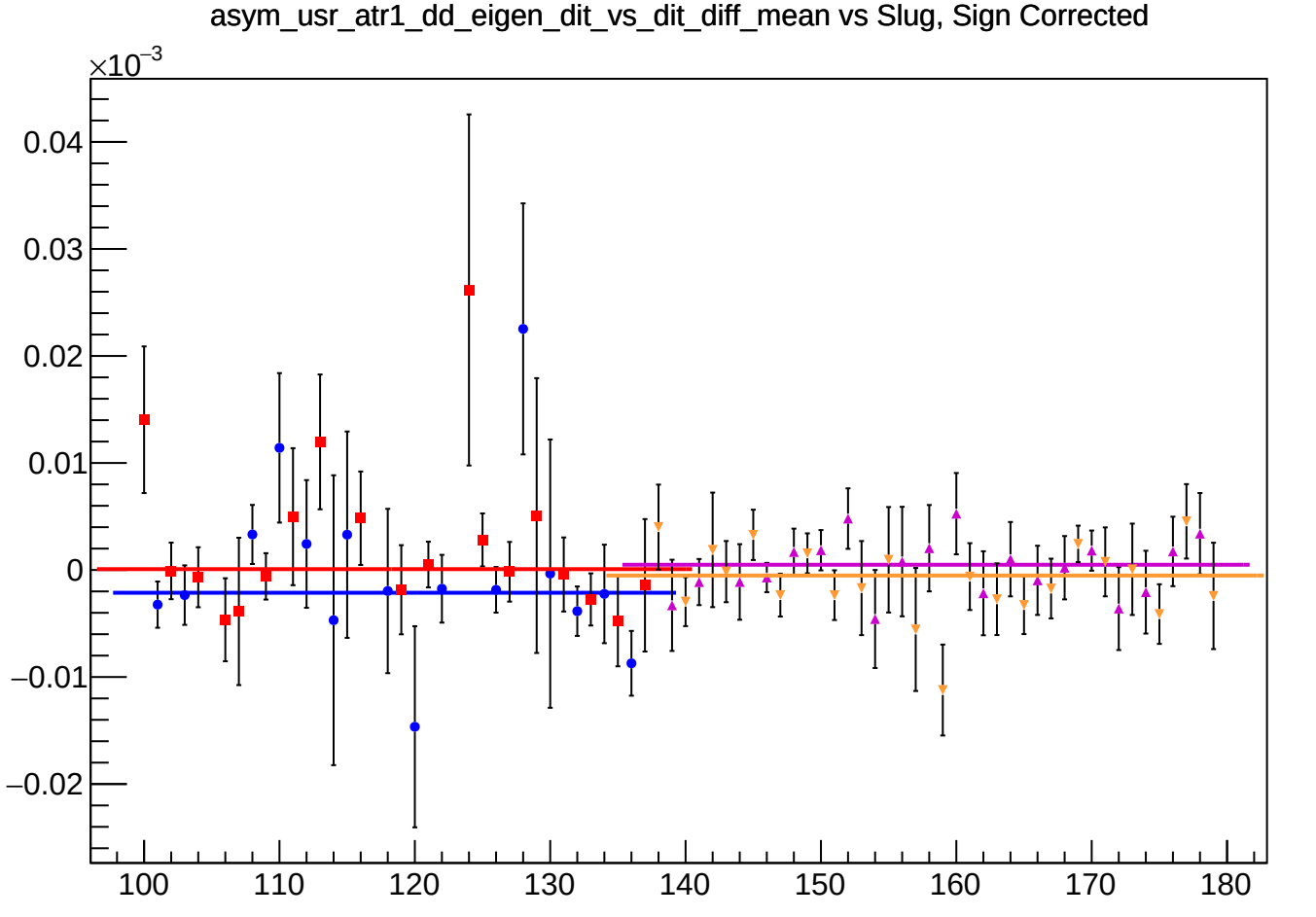
Left: 37.306+/-0.005 χ^2/NDF: 1906569.8/41

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.588+/-0.006 χ^2/NDF:2416494.7/35

Out: 37.314+/-0.006 χ^2/NDF:3176787.9/40

All: 37.448+/-0.004 χ^2/NDF: 5594348.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/19

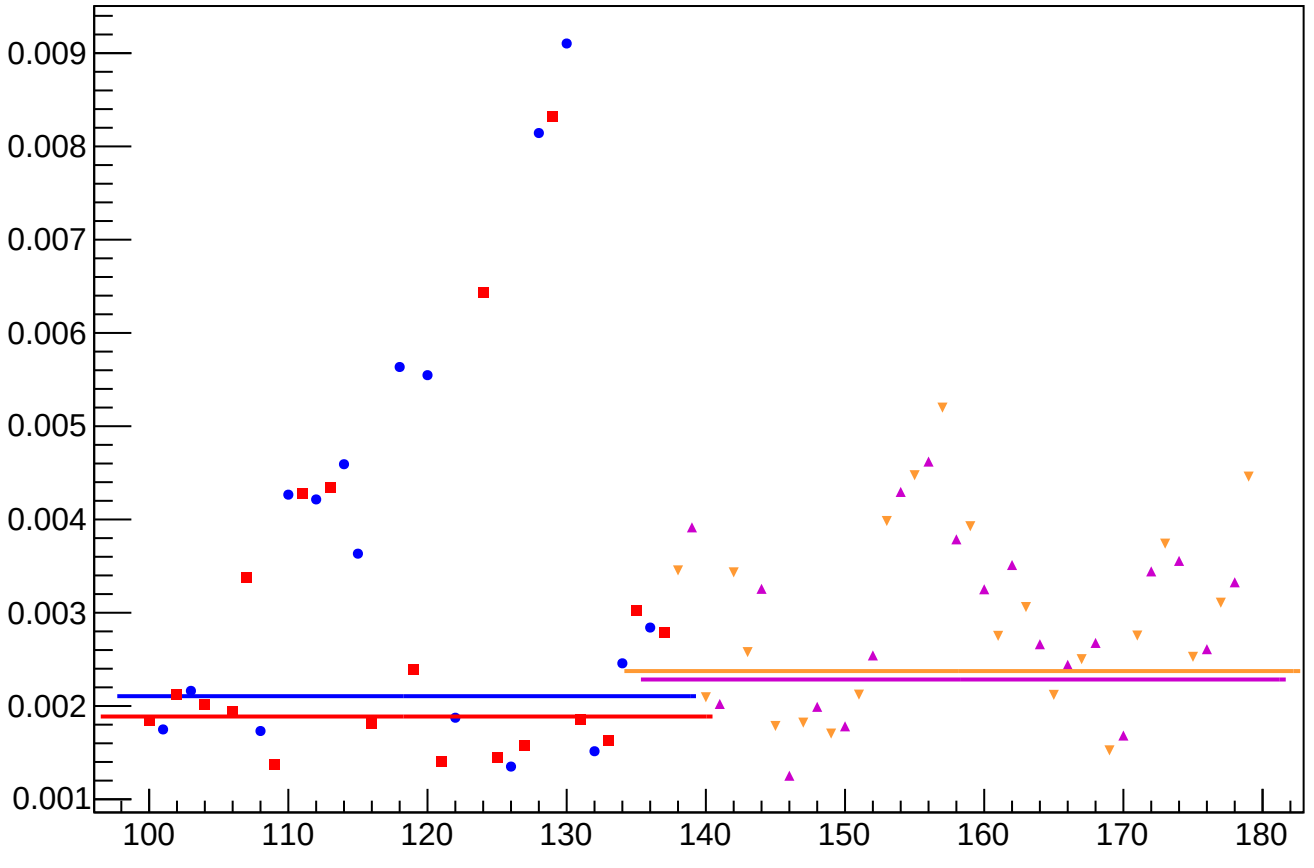
Left: -0.000+/-0.000 χ^2/NDF: 37.3/41

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:38.1/35

Out: -0.000+/-0.000 χ^2/NDF:42.7/40

All: -0.000+/-0.000 χ^2/NDF: 80.9/76



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3519417.4/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4045827.5/19

Left: 0.002+/-0.000 χ^2/NDF: 7587127.6/41

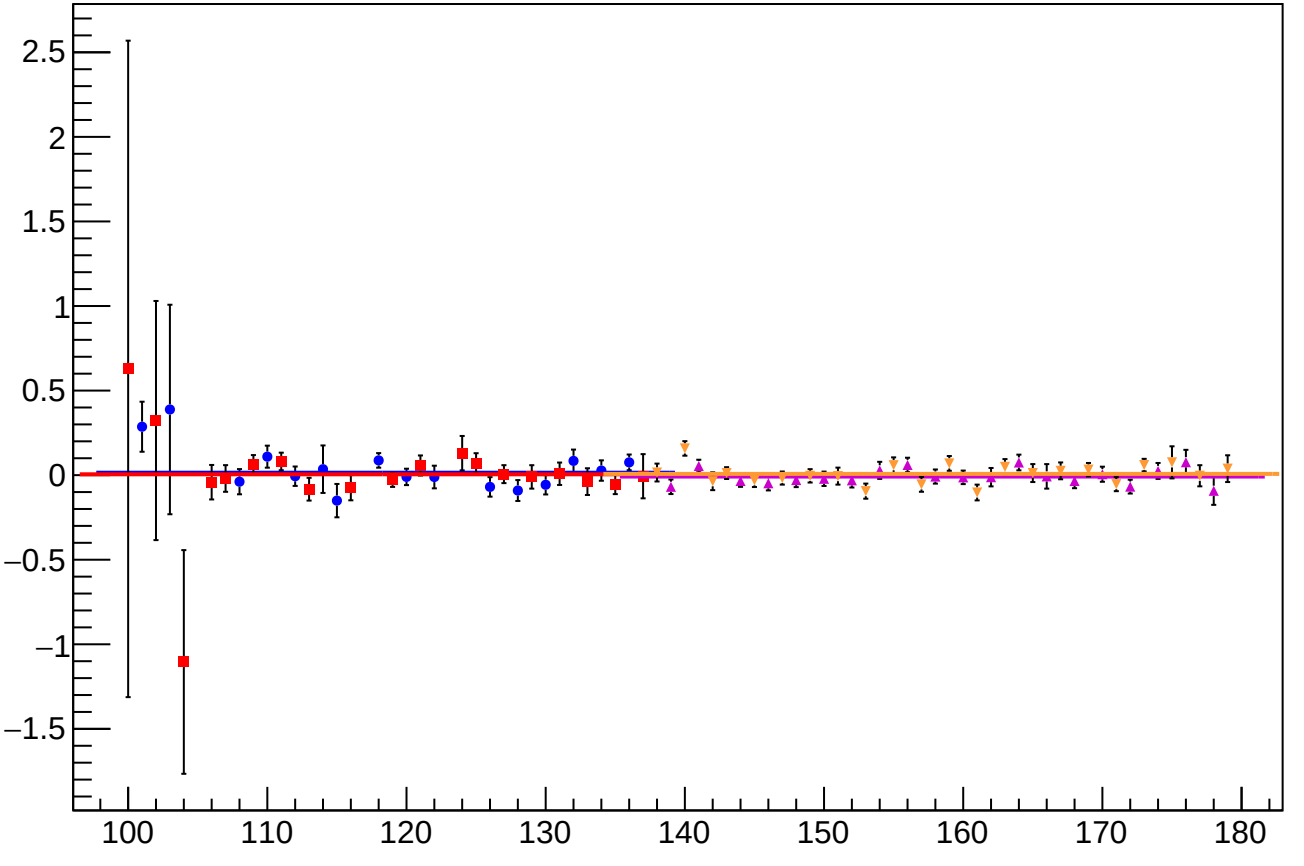
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:7117615.5/35

Out: 0.002+/-0.000 χ^2/NDF:5889336.4/40

All: 0.002+/-0.000 χ^2/NDF: 13011823.5/76

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/19

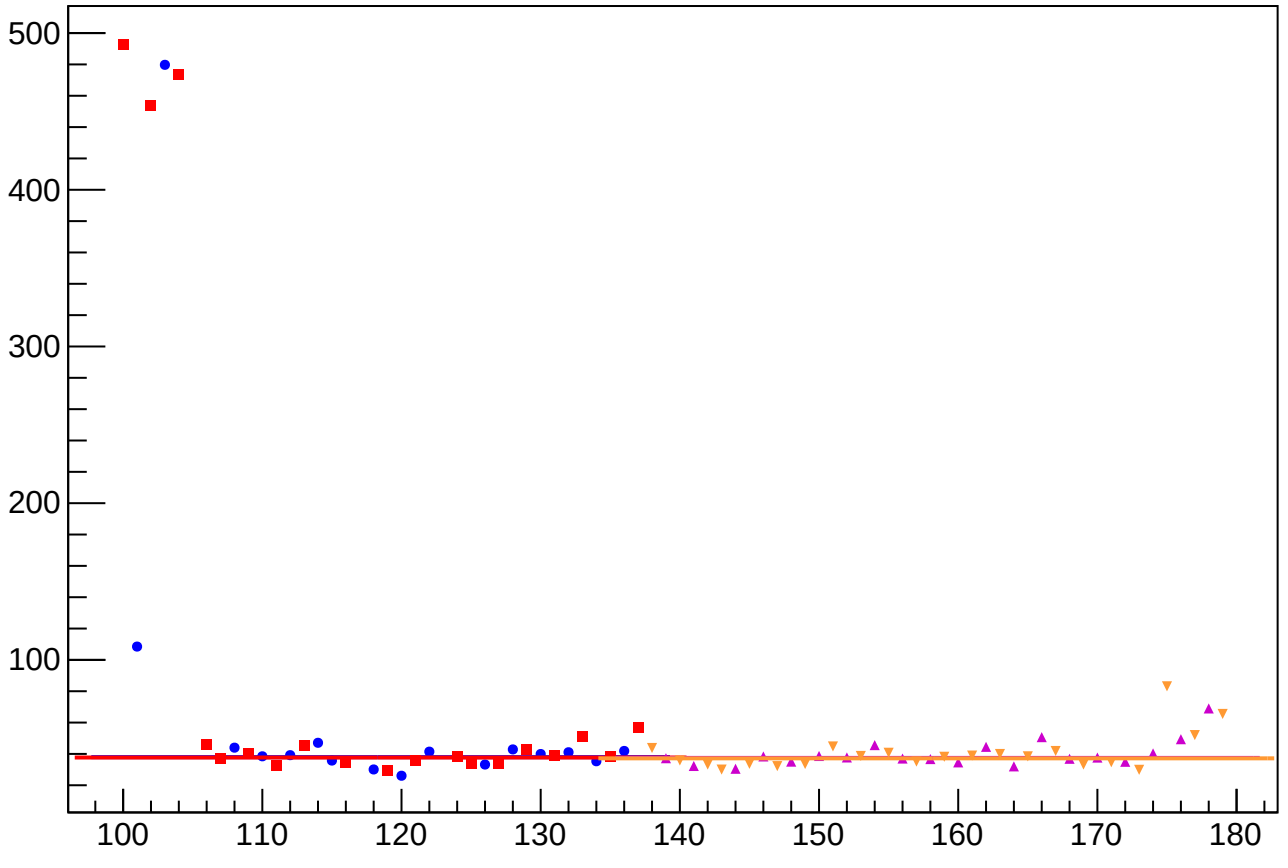
Left: -0.000+/-0.007 χ^2/NDF: 56.5/41

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/76



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230377.0/21

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.447+/-0.007 χ^2/NDF:675475.0/19

Left: 37.306+/-0.005 χ^2/NDF: 1906618.7/41

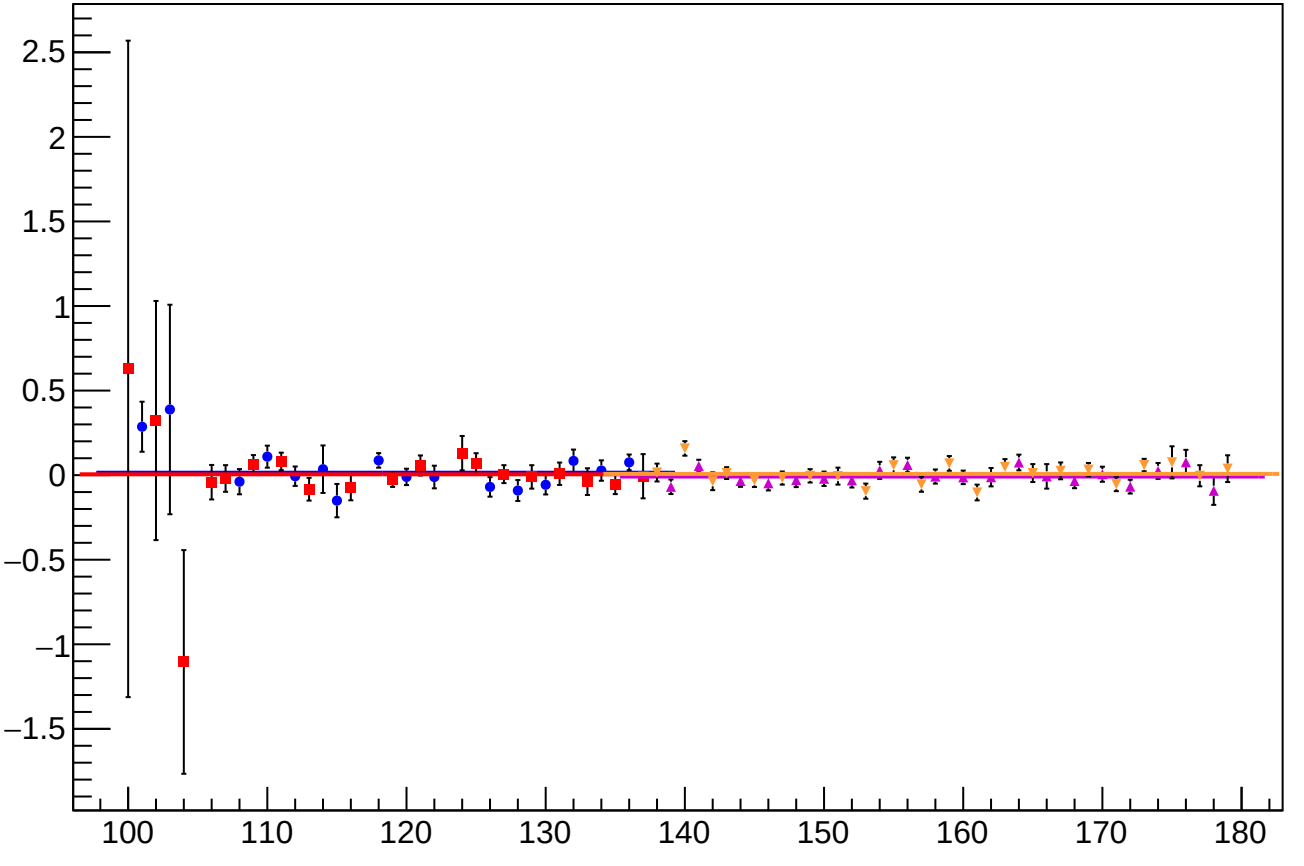
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.588+/-0.006 χ^2/NDF:2416535.0/35

Out: 37.313+/-0.006 χ^2/NDF:3176879.3/40

All: 37.448+/-0.004 χ^2/NDF: 5594480.7/76

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.6/21

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/19

Left: -0.000+/-0.007 χ^2/NDF: 56.5/41

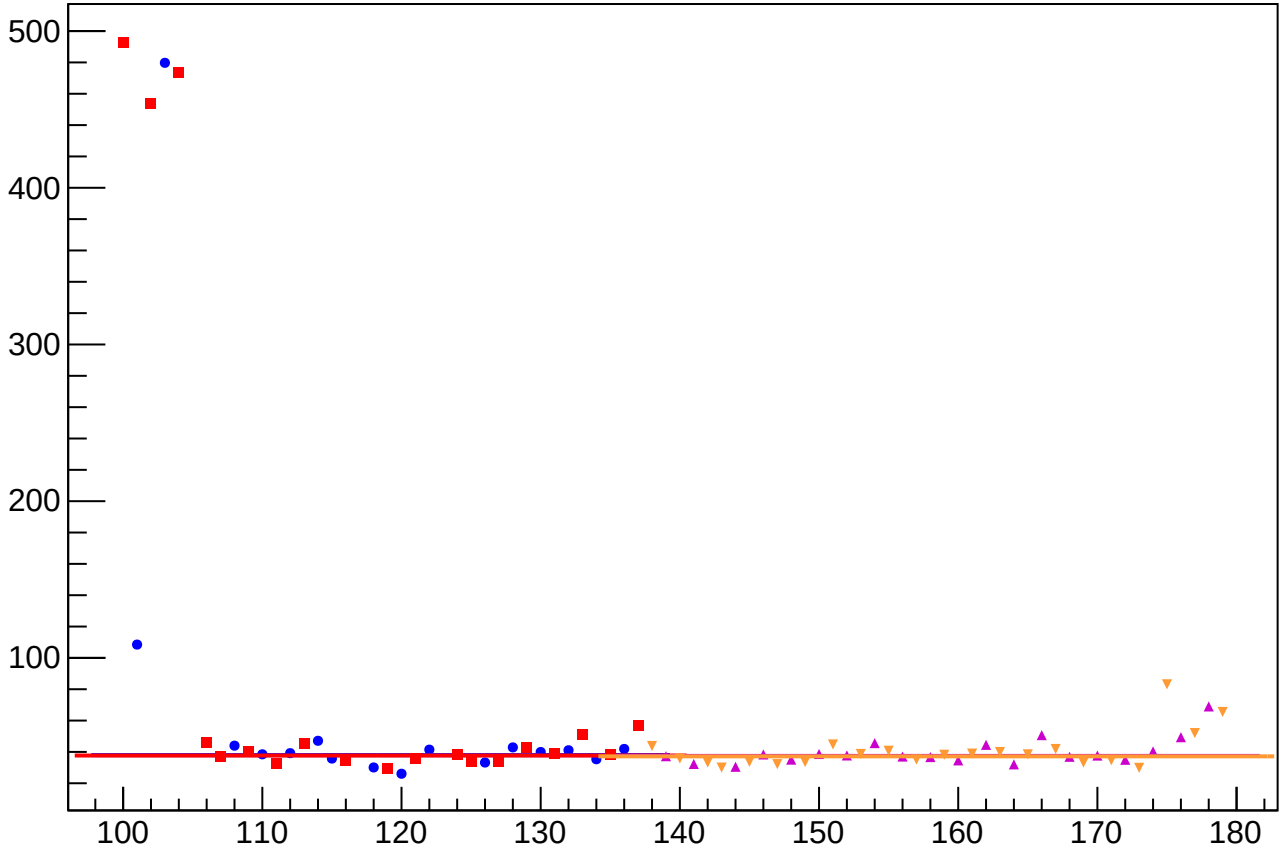
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.007+/-0.008 χ^2/NDF:51.5/40

All: 0.003+/-0.006 χ^2/NDF: 94.2/76

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 37.173+/-0.007 χ^2/NDF:1230377.0/21

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 37.447+/-0.007 χ^2/NDF:675475.0/19

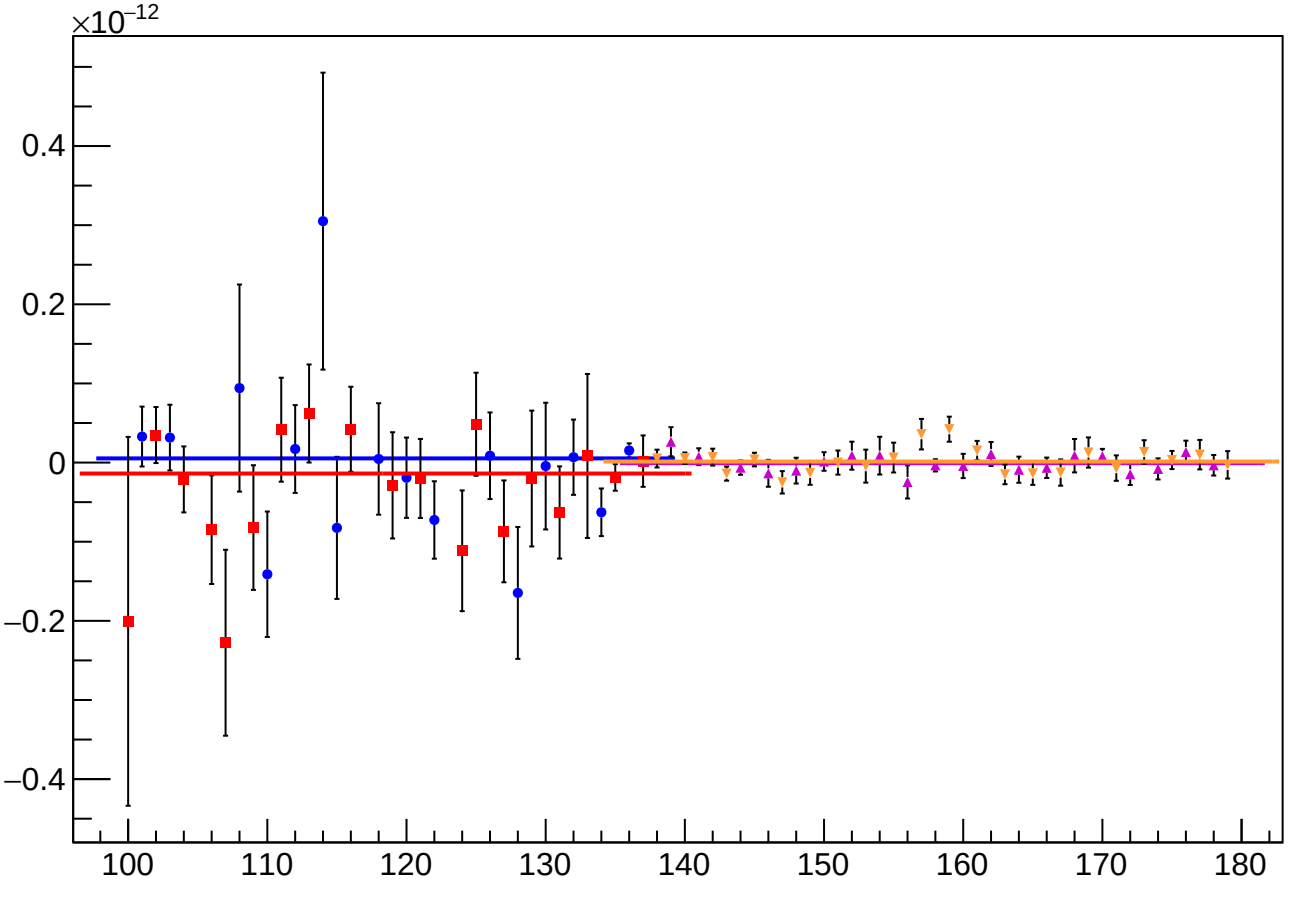
Left: 37.306+/-0.005 χ^2/NDF: 1906618.7/41

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.588+/-0.006 χ^2/NDF:2416535.0/35

Out: 37.313+/-0.006 χ^2/NDF:3176879.3/40

All: 37.448+/-0.004 χ^2/NDF: 5594480.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/19

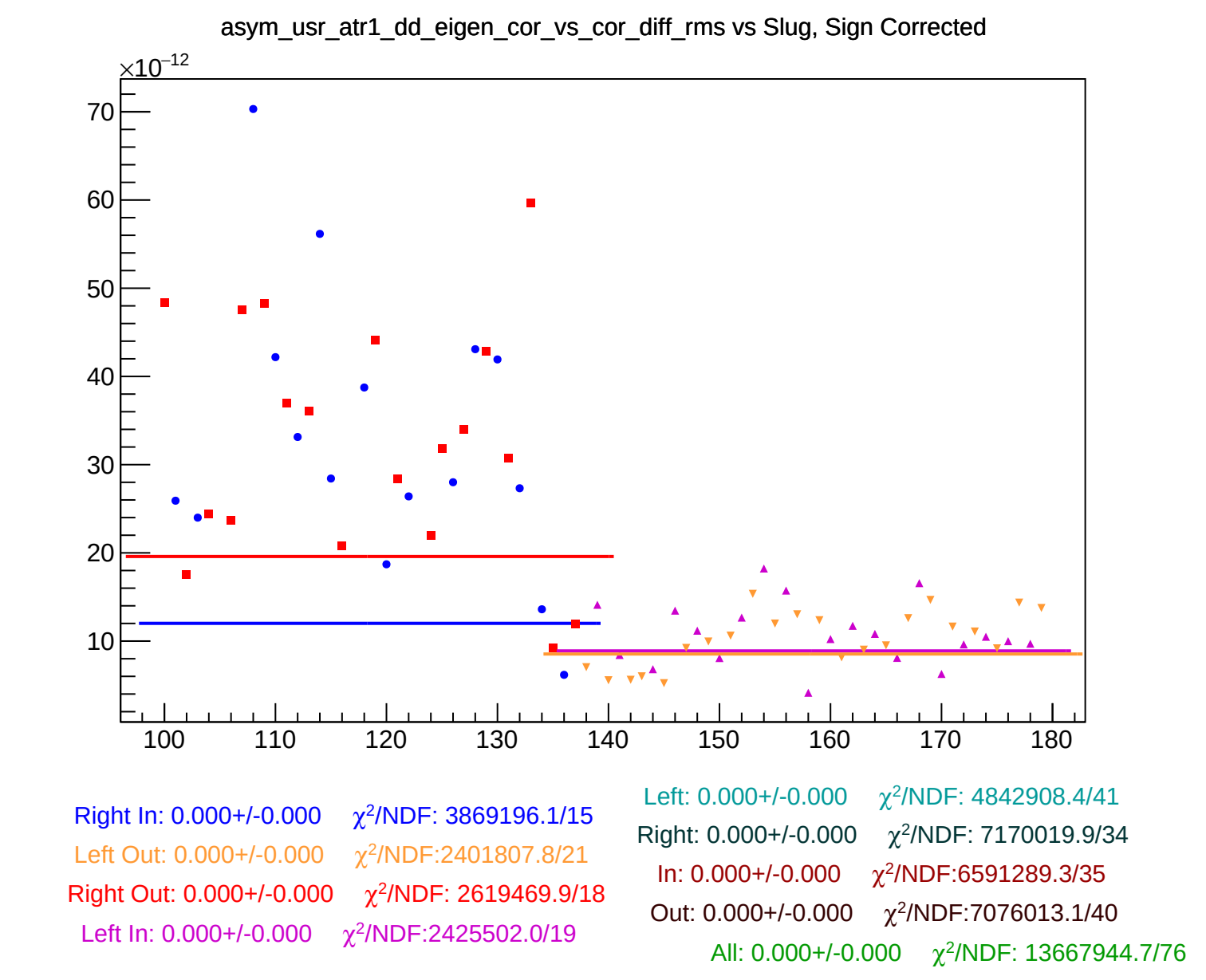
Left: 0.000+/-0.000 χ^2/NDF: 35.3/41

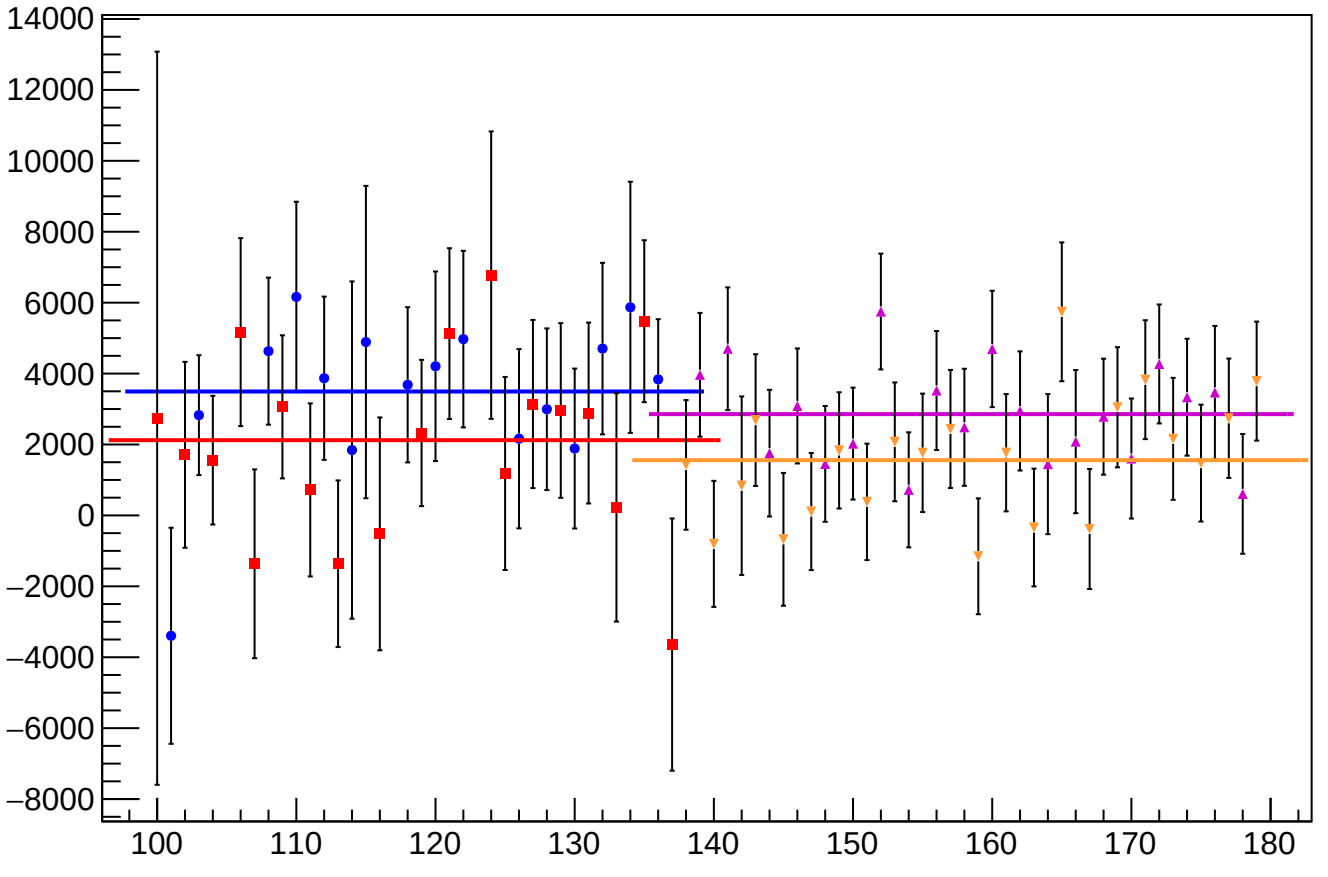
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:32.7/35

Out: 0.000+/-0.000 χ^2/NDF:42.4/40

All: 0.000+/-0.000 χ^2/NDF: 75.2/76


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2401807.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2425502.0/19
Left: 0.000+/-0.000 χ²/NDF: 4842908.4/41
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:6591289.3/35
Out: 0.000+/-0.000 χ²/NDF:7076013.1/40
All: 0.000+/-0.000 χ²/NDF: 13667944.7/76



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.594+/-368.491 χ^2/NDF:20.3/21

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2856.271+/-380.218 χ^2/NDF:13.2/19

Left: 2186.596+/-264.611 χ^2/NDF: 39.5/41

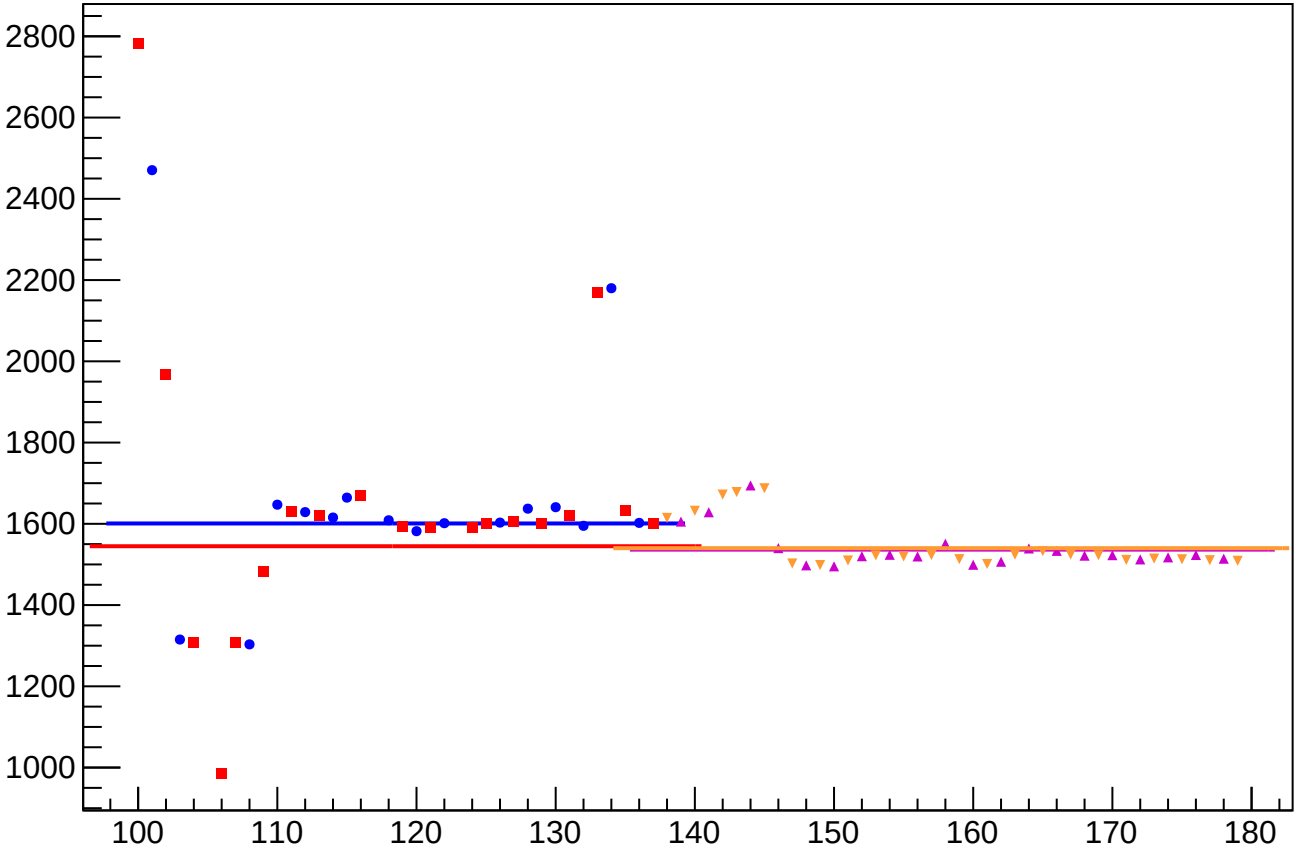
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3038.584+/-321.344 χ^2/NDF:22.8/35

Out: 1716.819+/-312.185 χ^2/NDF:36.0/40

All: 2358.598+/-223.916 χ^2/NDF: 67.5/76

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

Left: 1538.315+/-0.187 χ^2/NDF: 77291.8/41

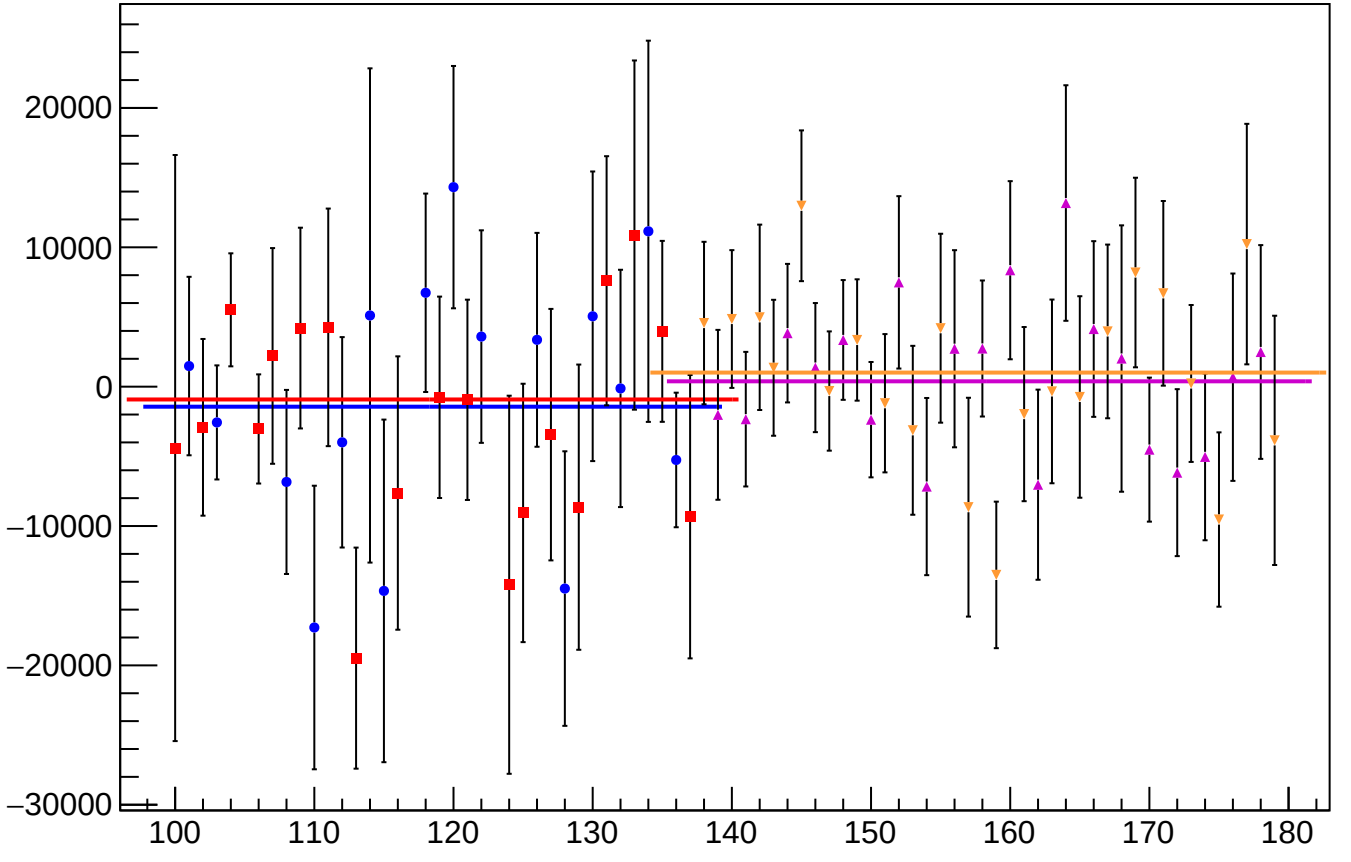
Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1554.887+/-0.227 χ^2/NDF:364482.1/35

Out: 1541.410+/-0.220 χ^2/NDF:422746.6/40

All: 1547.921+/-0.158 χ^2/NDF: 789047.0/76

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1011.186+/-1250.505 χ^2/NDF:23.3/21

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 383.557+/-1283.899 χ^2/NDF:13.4/19

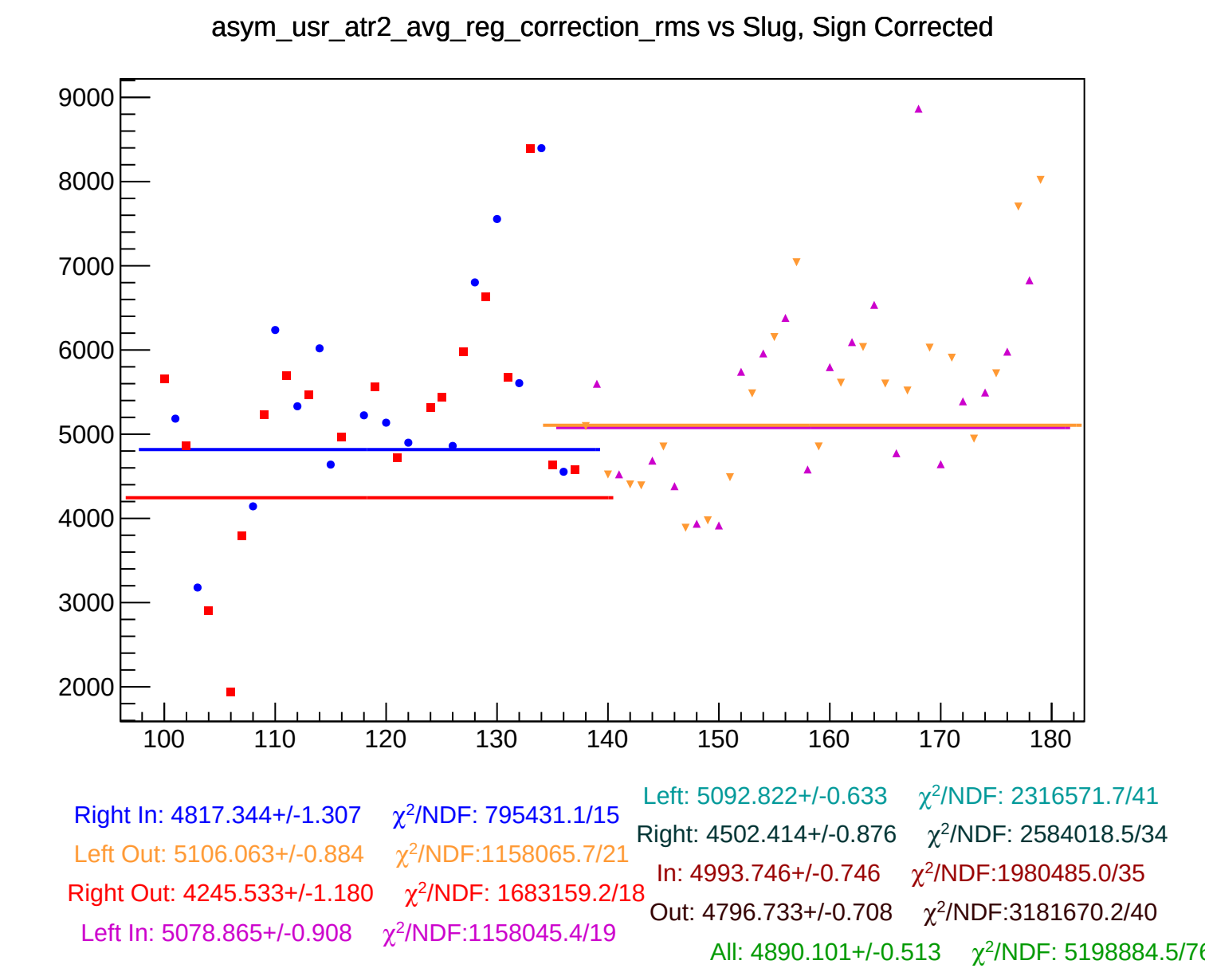
Left: 705.640+/-895.814 χ^2/NDF: 36.9/41

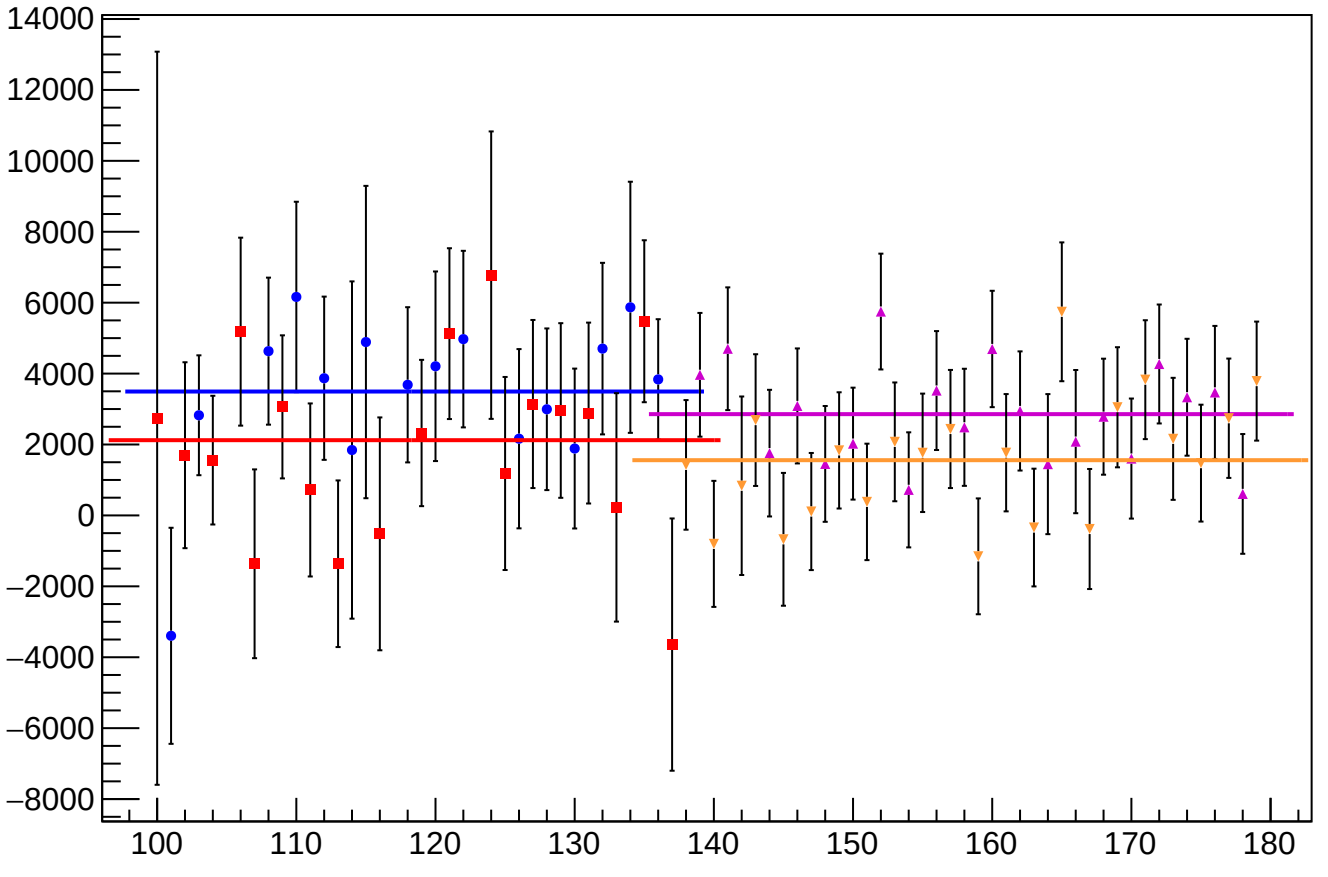
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -209.030+/-1054.458 χ^2/NDF:27.9/35

Out: 317.537+/-1000.822 χ^2/NDF:39.5/40

All: 67.985+/-725.909 χ^2/NDF: 67.6/76


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 5106.063+/-0.884 χ²/NDF:1158065.7/21
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 5078.865+/-0.908 χ²/NDF:1158045.4/19
Left: 5092.822+/-0.633 χ²/NDF: 2316571.7/41
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4993.746+/-0.746 χ²/NDF:1980485.0/35
Out: 4796.733+/-0.708 χ²/NDF:3181670.2/40
All: 4890.101+/-0.513 χ²/NDF: 5198884.5/76



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2856.183+/-380.218 χ^2/NDF:13.2/19

Left: 2186.509+/-264.611 χ^2/NDF: 39.5/41

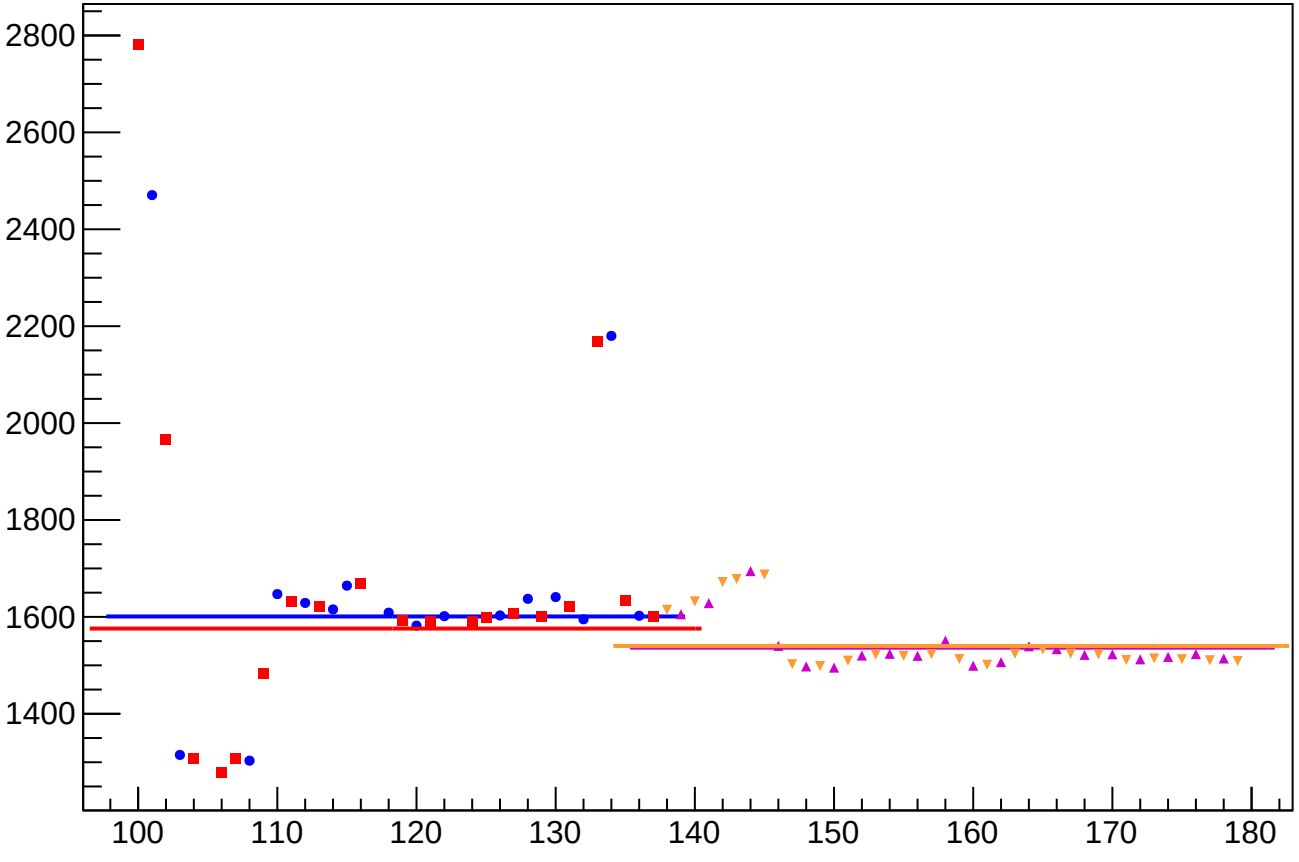
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3038.426+/-321.344 χ^2/NDF:22.8/35

Out: 1716.753+/-312.186 χ^2/NDF:36.1/40

All: 2358.488+/-223.916 χ^2/NDF: 67.5/76

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

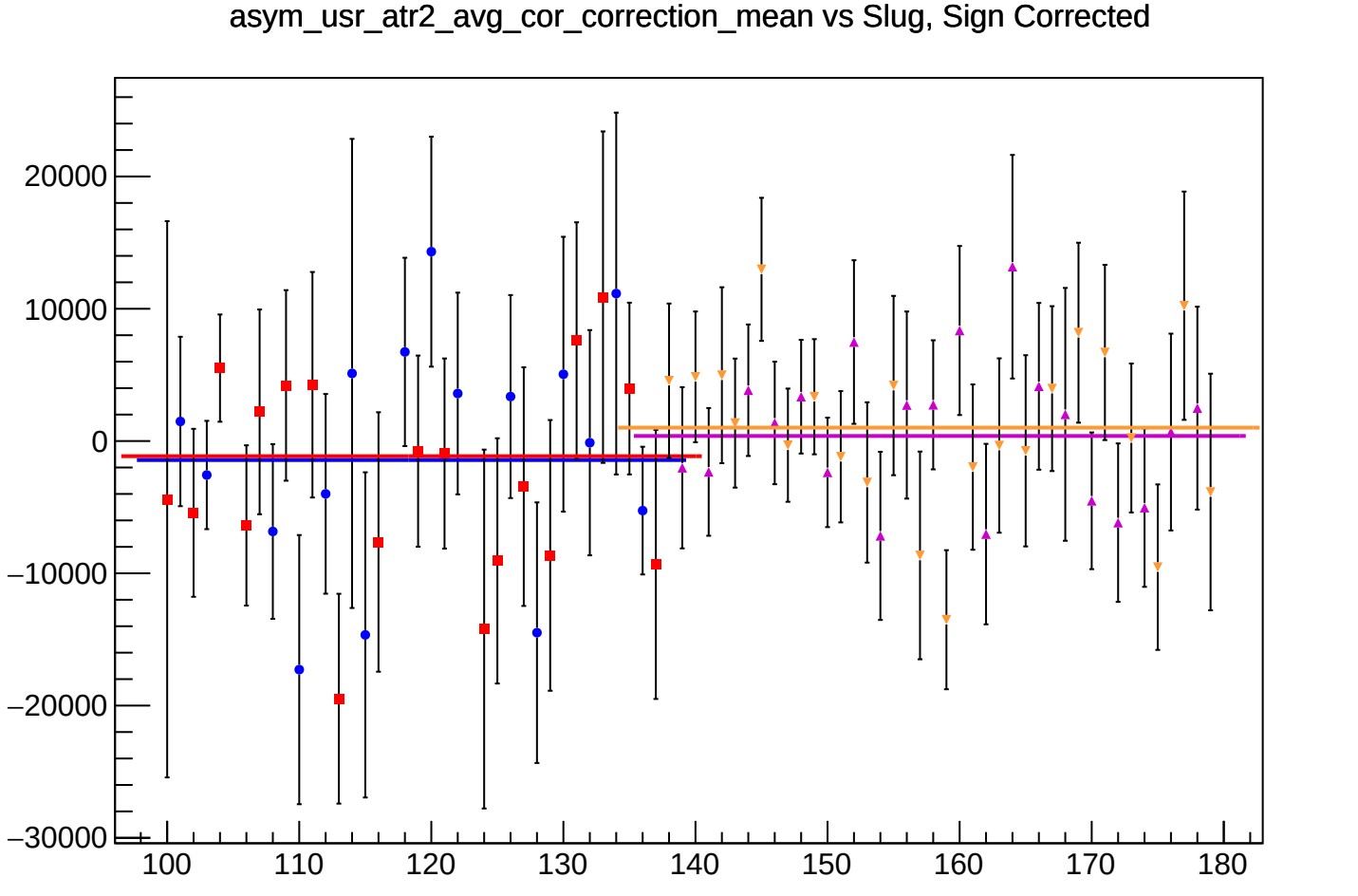
Left: 1538.315+/-0.187 χ^2/NDF: 77291.7/41

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1554.887+/-0.227 χ^2/NDF:364481.3/35

Out: 1550.210+/-0.221 χ^2/NDF:295234.0/40

All: 1552.478+/-0.158 χ^2/NDF: 659933.6/76



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 383.572+/-1283.899 χ^2/NDF:13.4/19

Left: 705.646+/-895.813 χ^2/NDF: 36.9/41

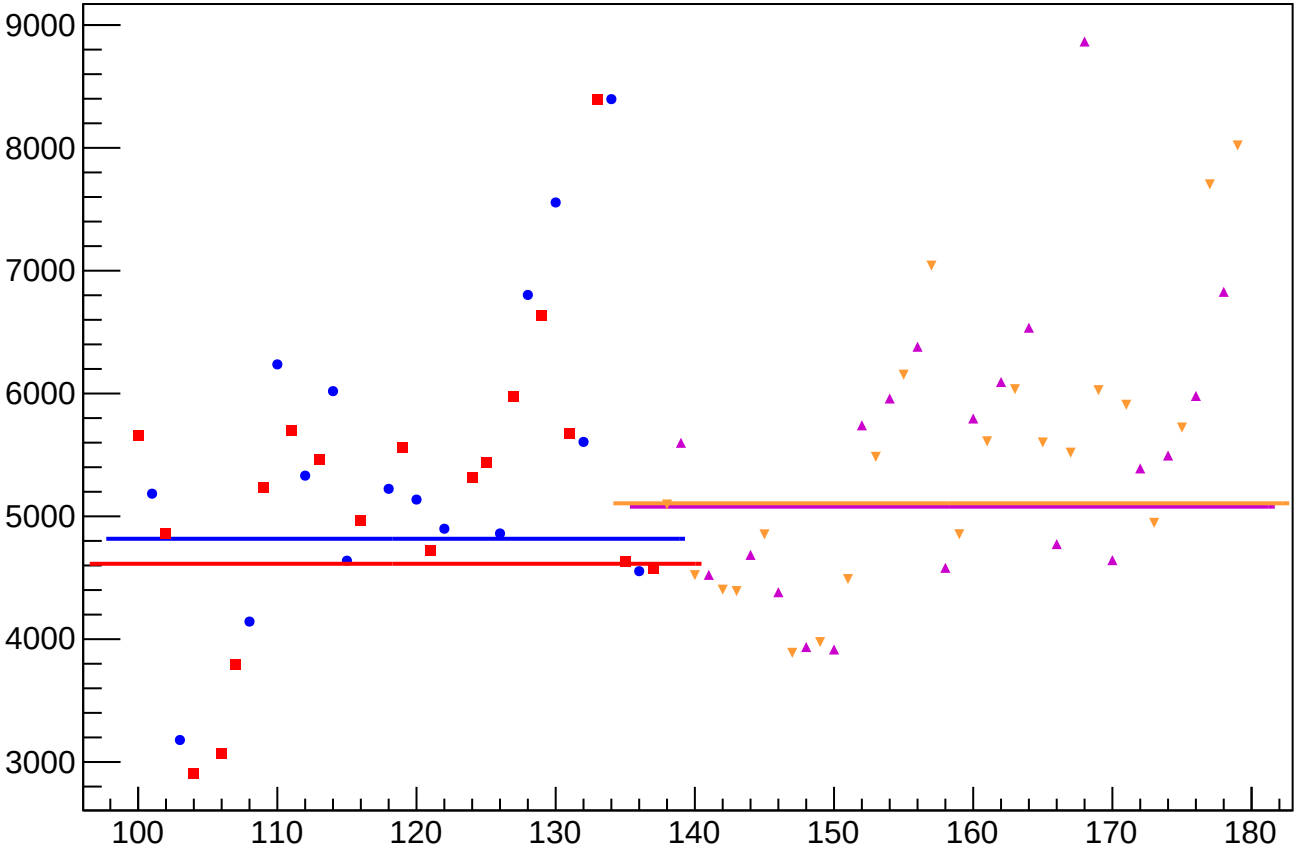
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -209.083+/-1054.465 χ^2/NDF:27.9/35

Out: 290.384+/-1020.435 χ^2/NDF:40.6/40

All: 48.840+/-733.292 χ^2/NDF: 68.6/76

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

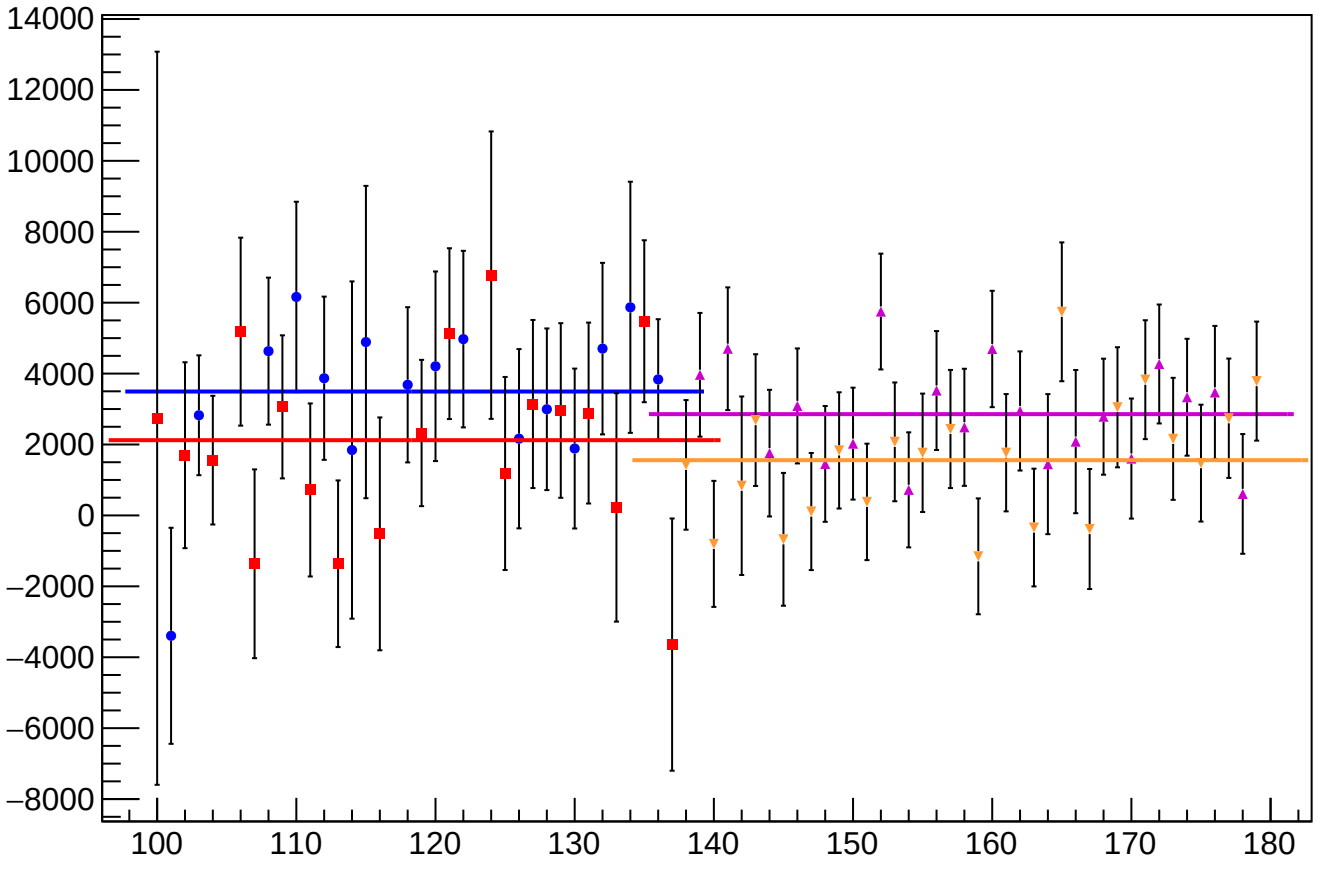
Left: 5092.816+/-0.633 χ^2/NDF: 2316586.7/41

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4993.792+/-0.746 χ^2/NDF:1980260.9/35

Out: 4941.602+/-0.722 χ^2/NDF:2239560.3/40

All: 4966.841+/-0.519 χ^2/NDF: 4222351.2/76



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1557.507+/-368.491 χ^2/NDF:20.3/21

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2856.183+/-380.218 χ^2/NDF:13.2/19

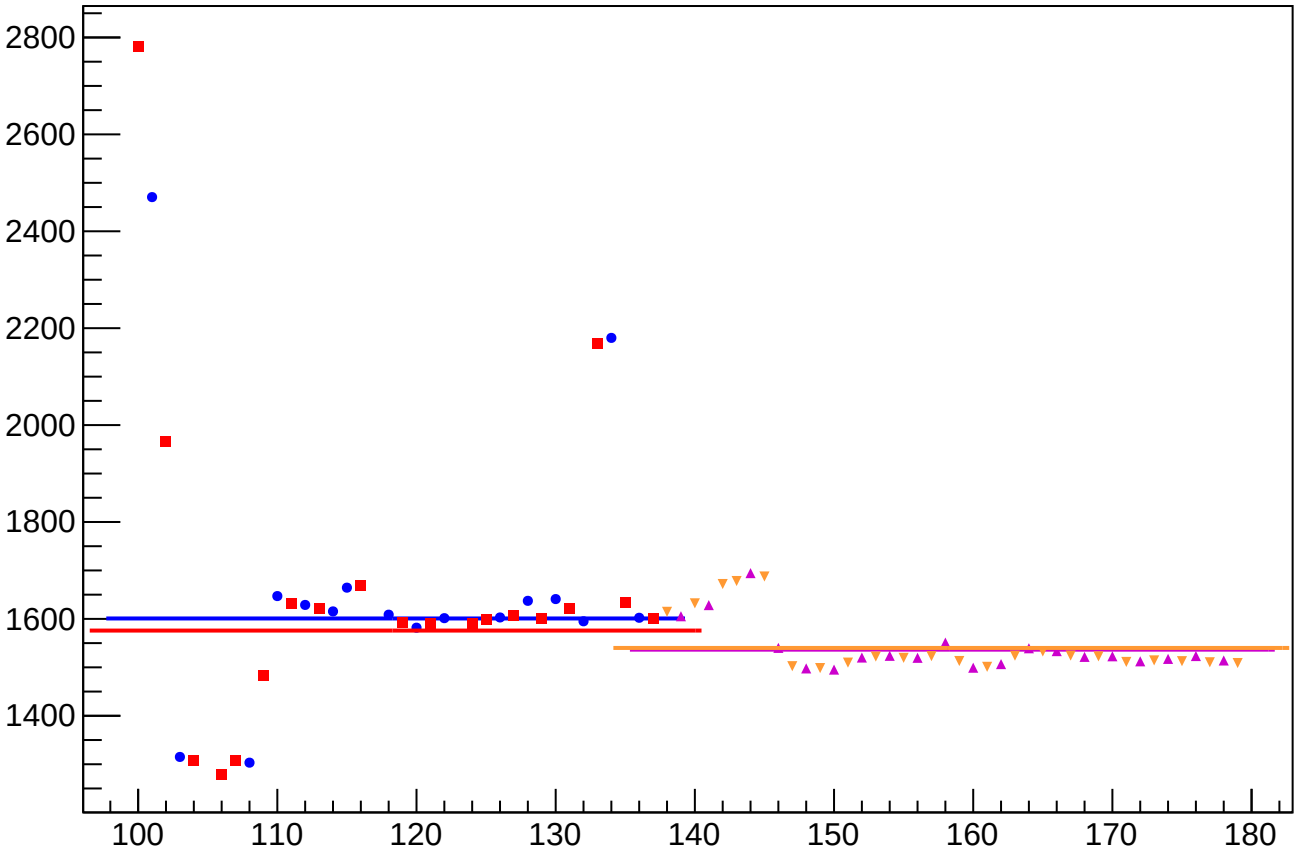
Left: 2186.509+/-264.611 χ^2/NDF: 39.5/41

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3038.426+/-321.344 χ^2/NDF:22.8/35

Out: 1716.753+/-312.186 χ^2/NDF:36.1/40

All: 2358.488+/-223.916 χ^2/NDF: 67.5/76



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1540.027+/-0.261 χ^2/NDF:46521.8/21

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1536.491+/-0.269 χ^2/NDF:30680.7/19

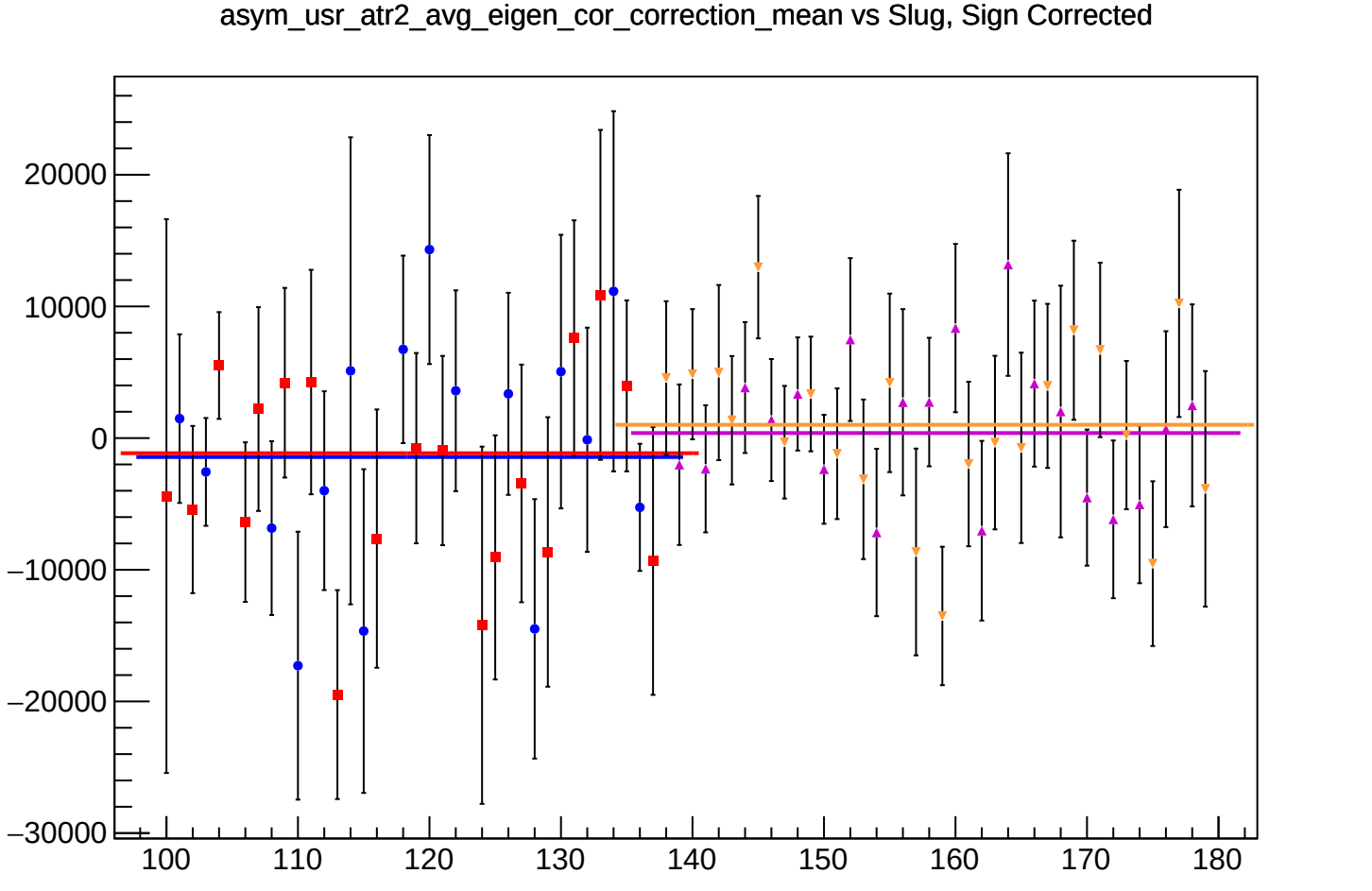
Left: 1538.315+/-0.187 χ^2/NDF: 77291.7/41

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1554.887+/-0.227 χ^2/NDF:364481.3/35

Out: 1550.210+/-0.221 χ^2/NDF:295234.0/40

All: 1552.478+/-0.158 χ^2/NDF: 659933.6/76



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1011.183+/-1250.503 χ^2/NDF:23.3/21

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 383.572+/-1283.899 χ^2/NDF:13.4/19

Left: 705.646+/-895.813 χ^2/NDF: 36.9/41

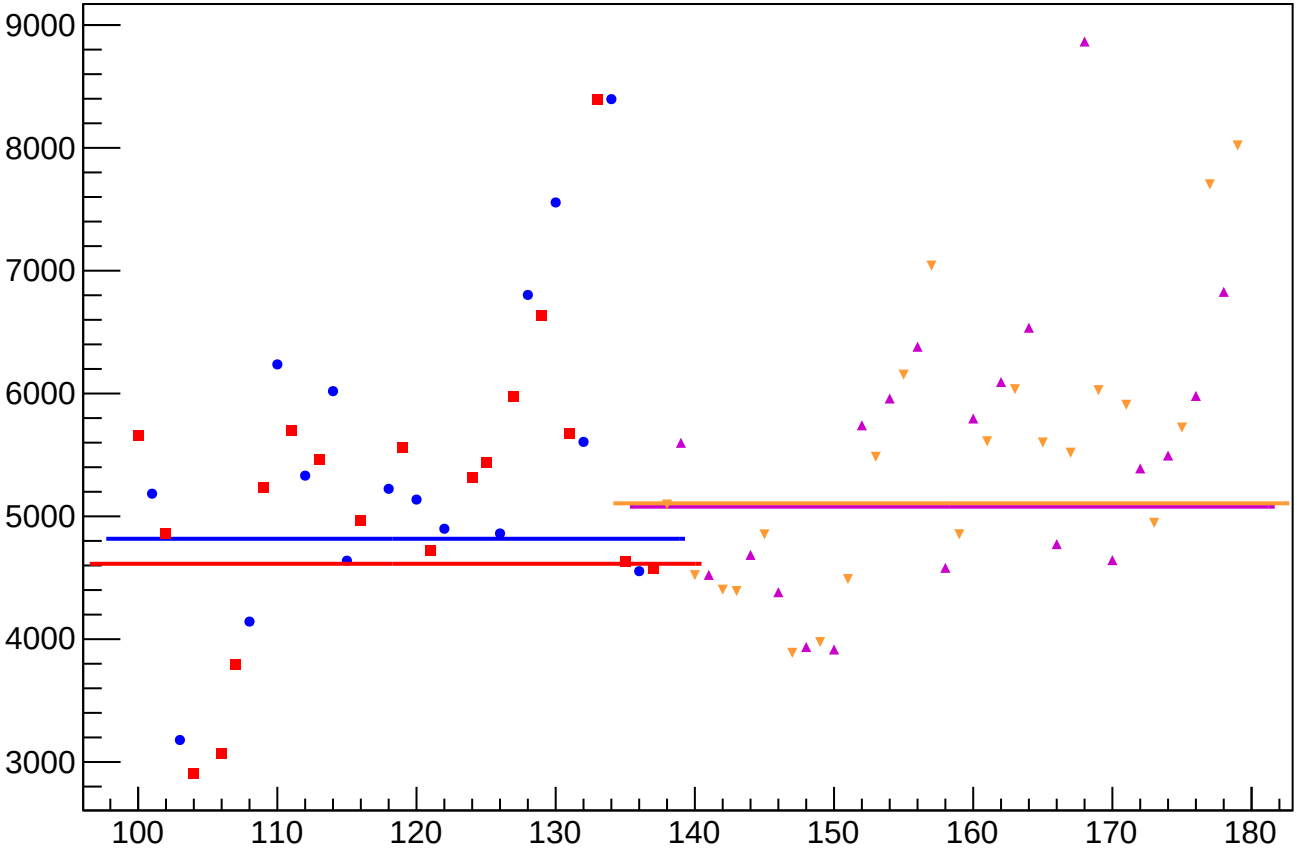
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -209.083+/-1054.465 χ^2/NDF:27.9/35

Out: 290.384+/-1020.435 χ^2/NDF:40.6/40

All: 48.840+/-733.292 χ^2/NDF: 68.6/76

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5106.053+/-0.884 χ^2/NDF:1158078.4/21

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

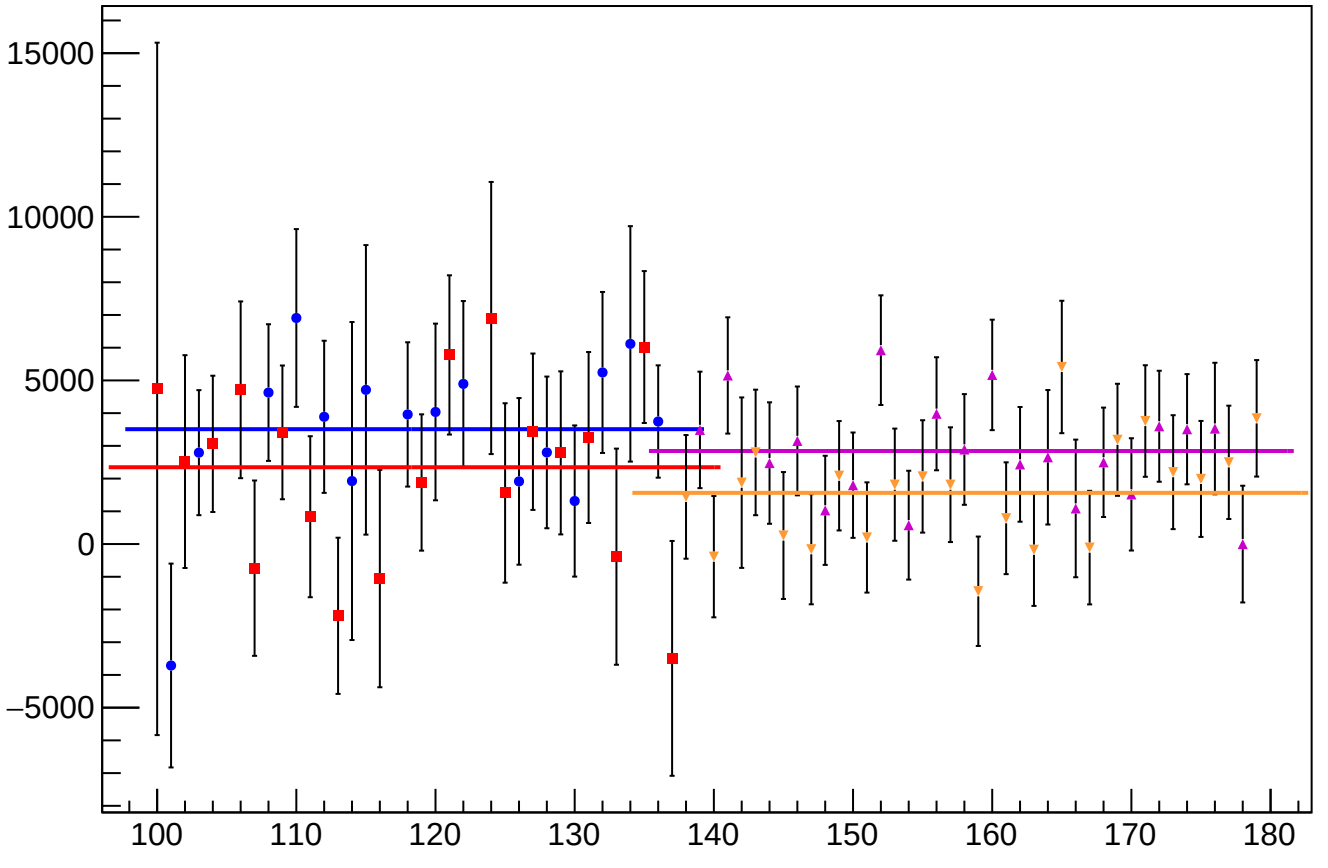
Left: 5092.816+/-0.633 χ^2/NDF: 2316586.7/41

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4993.792+/-0.746 χ^2/NDF:1980260.9/35

Out: 4941.602+/-0.722 χ^2/NDF:2239560.3/40

All: 4966.841+/-0.519 χ^2/NDF: 4222351.2/76



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1564.433+/-380.035 χ^2/NDF:17.6/21

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2843.197+/-391.286 χ^2/NDF:15.5/19

Left: 2185.167+/-272.616 χ^2/NDF: 38.6/41

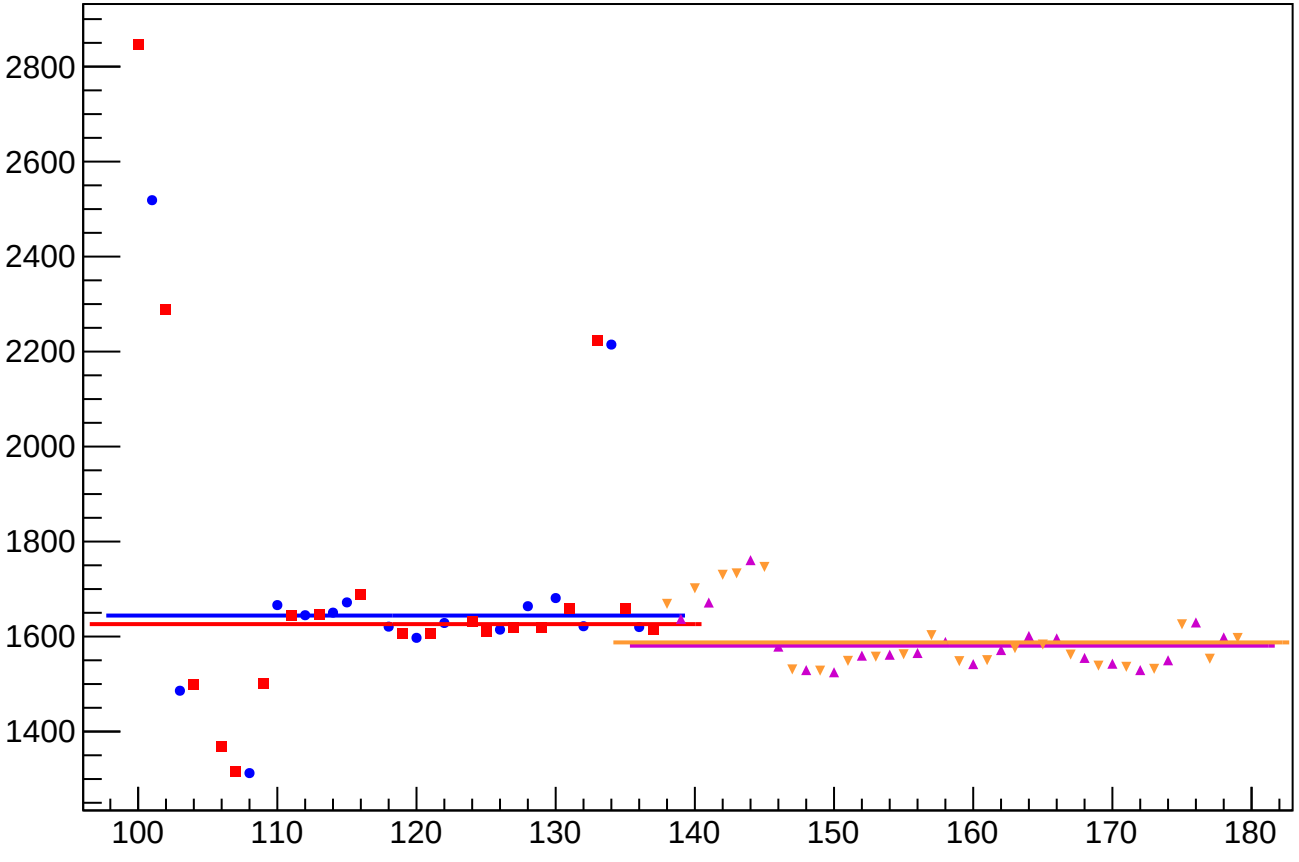
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3034.432+/-330.397 χ^2/NDF:26.7/35

Out: 1784.504+/-322.187 χ^2/NDF:35.9/40

All: 2393.744+/-230.669 χ^2/NDF: 69.9/76

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.643+/-0.269 χ^2/NDF:59087.7/21

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1580.774+/-0.277 χ^2/NDF:37923.7/19

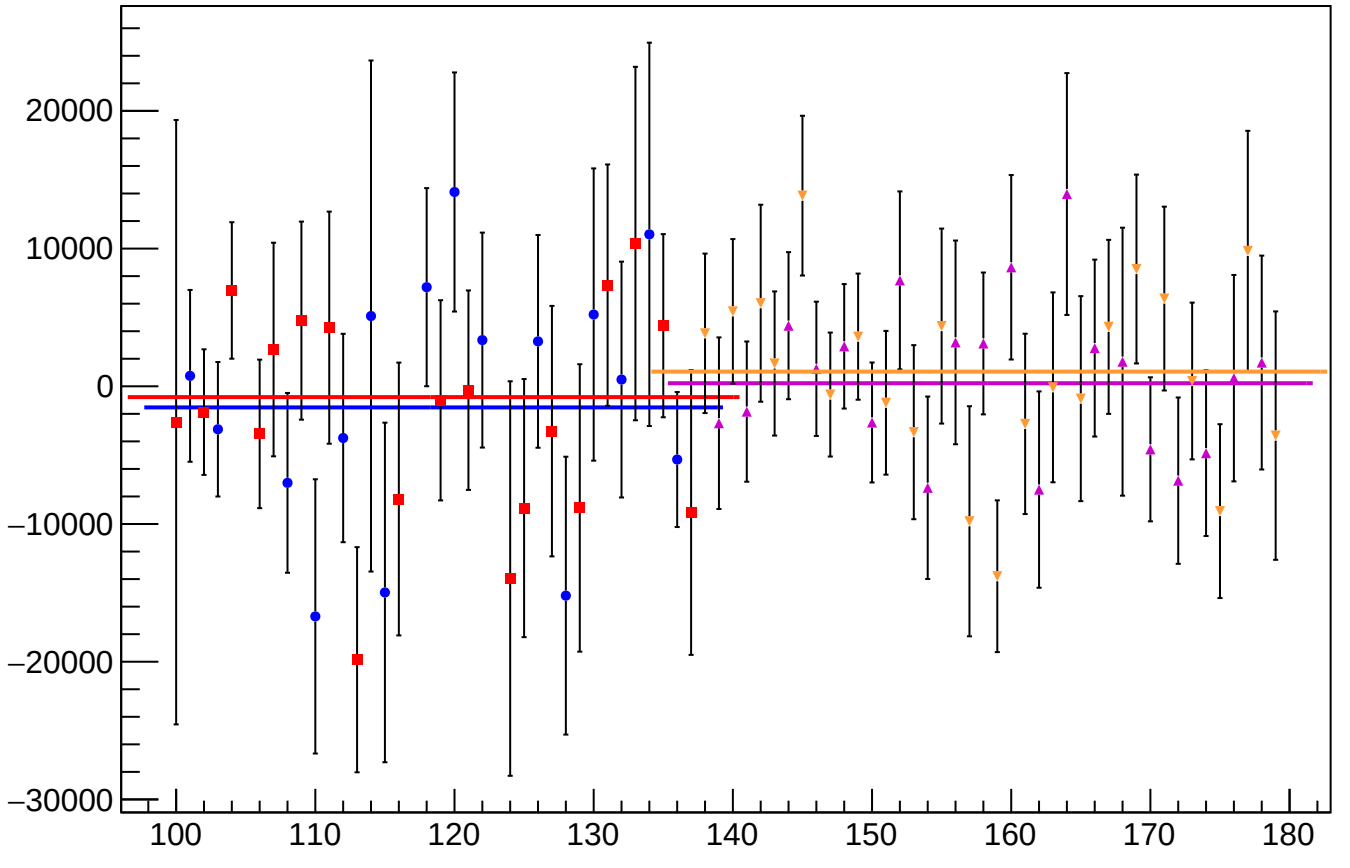
Left: 1584.308+/-0.193 χ^2/NDF: 97328.6/41

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1598.977+/-0.234 χ^2/NDF:327823.3/35

Out: 1598.494+/-0.228 χ^2/NDF:302516.9/40

All: 1598.729+/-0.163 χ^2/NDF: 630342.4/76



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1066.881+/-1301.419 χ^2/NDF:22.9/21

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 223.679+/-1334.459 χ^2/NDF:13.3/19

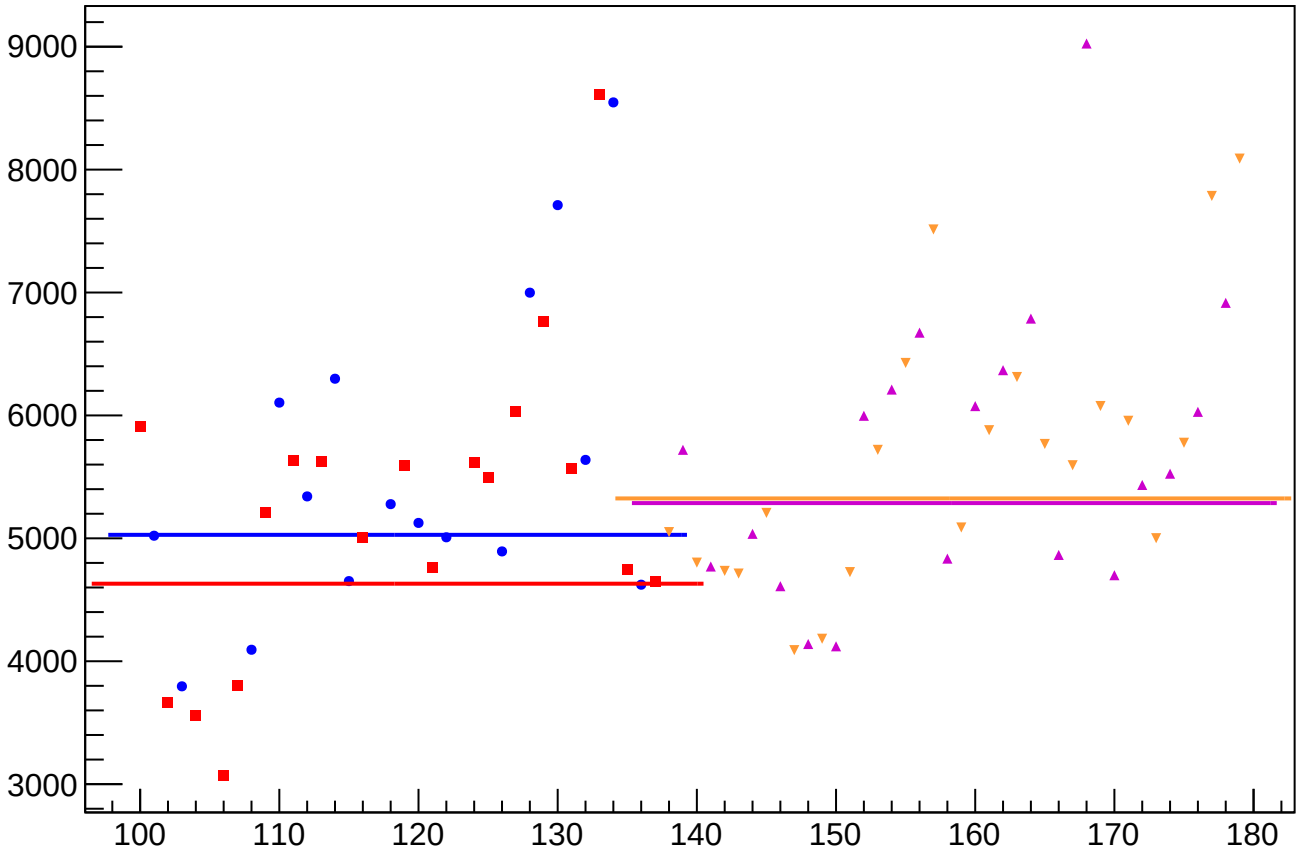
Left: 655.848+/-931.704 χ^2/NDF: 36.4/41

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -350.718+/-1094.627 χ^2/NDF:27.7/35

Out: 406.998+/-1043.995 χ^2/NDF:38.7/40

All: 46.069+/-755.482 χ^2/NDF: 66.7/76



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5324.669+/-0.920 χ^2/NDF:1036270.0/21

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5286.724+/-0.944 χ^2/NDF:1067073.2/19

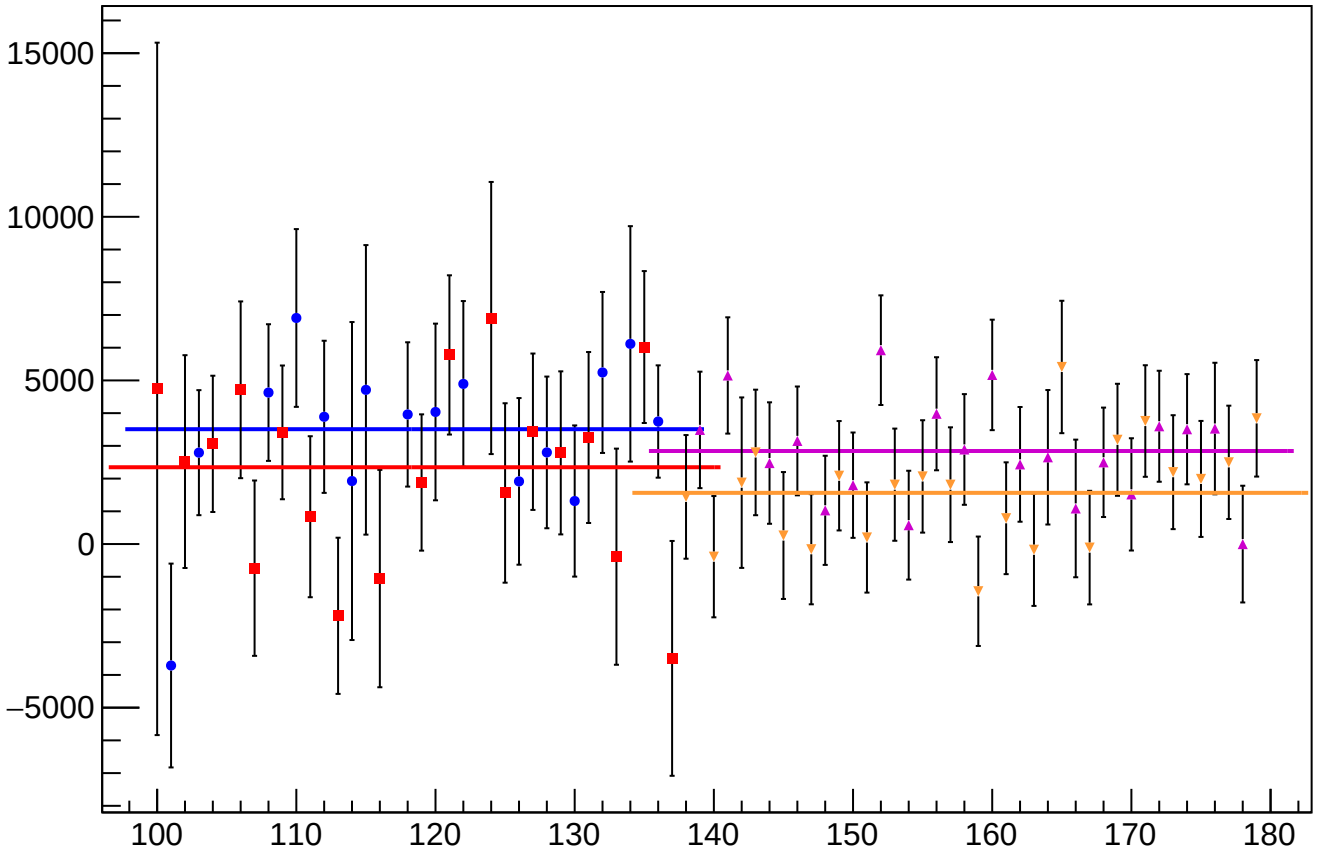
Left: 5306.172+/-0.659 χ^2/NDF: 2104172.0/41

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5202.231+/-0.774 χ^2/NDF:1657051.6/35

Out: 5077.356+/-0.738 χ^2/NDF:2102393.4/40

All: 5136.839+/-0.534 χ^2/NDF: 3773075.2/76



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1564.427+/-380.036 χ^2/NDF:17.6/21

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2843.200+/-391.286 χ^2/NDF:15.5/19

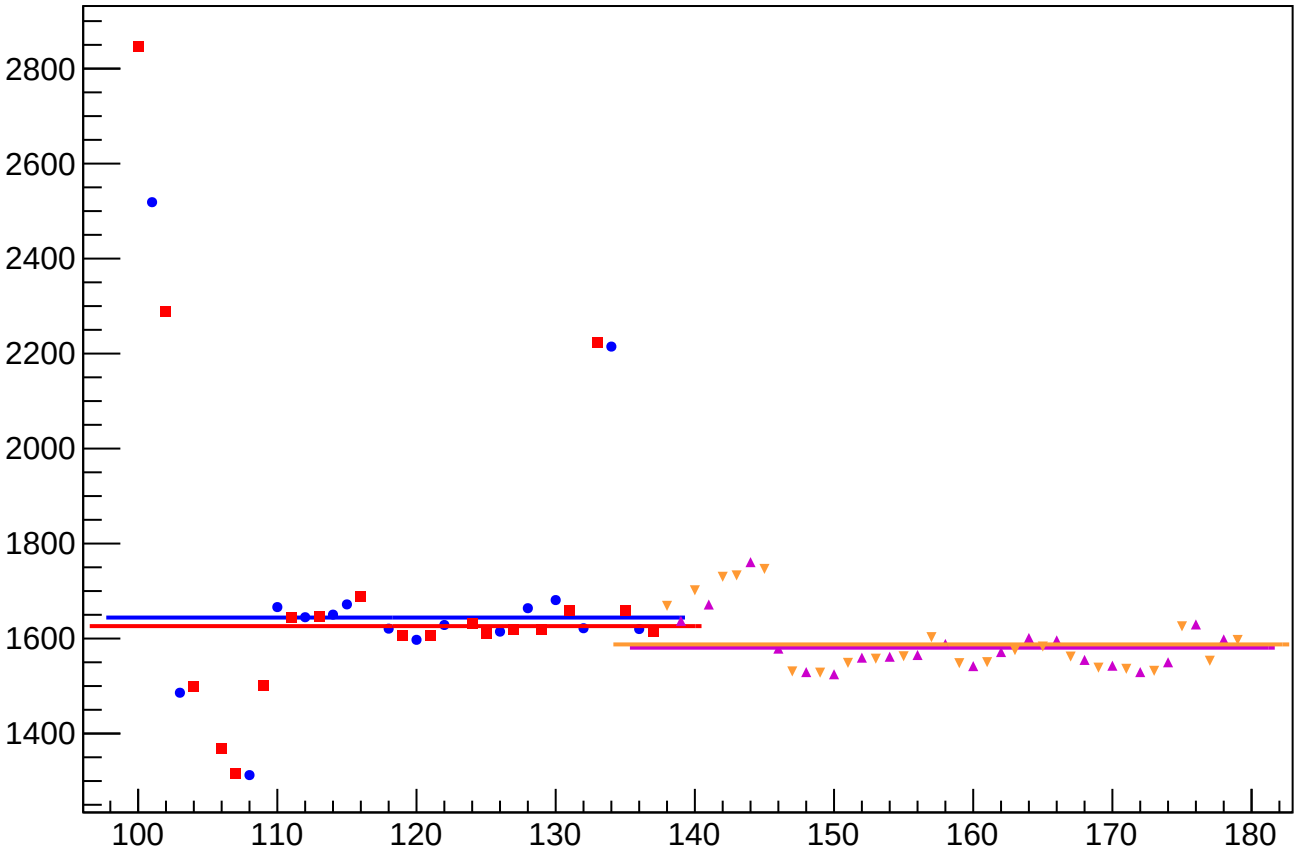
Left: 2185.166+/-272.616 χ^2/NDF: 38.6/41

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3034.435+/-330.398 χ^2/NDF:26.7/35

Out: 1784.501+/-322.187 χ^2/NDF:35.9/40

All: 2393.744+/-230.669 χ^2/NDF: 69.9/76



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.644+/-0.269 χ^2/NDF:59087.9/21

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1580.775+/-0.277 χ^2/NDF:37923.6/19

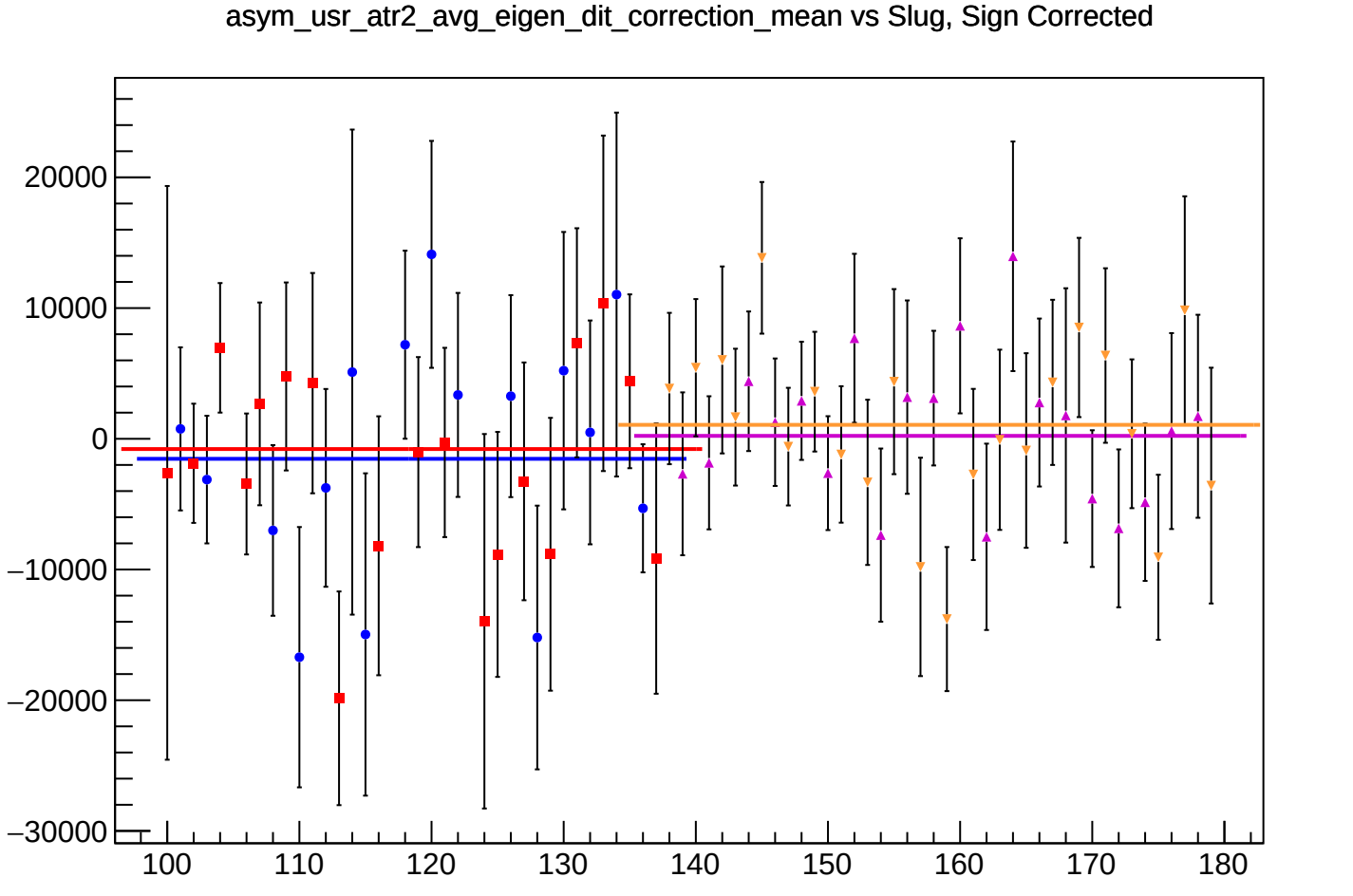
Left: 1584.309+/-0.193 χ^2/NDF: 97328.7/41

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1598.977+/-0.234 χ^2/NDF:327822.6/35

Out: 1598.495+/-0.228 χ^2/NDF:302516.3/40

All: 1598.730+/-0.163 χ^2/NDF: 630341.1/76



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1066.878+/-1301.421 χ^2/NDF:22.9/21

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 223.678+/-1334.462 χ^2/NDF:13.3/19

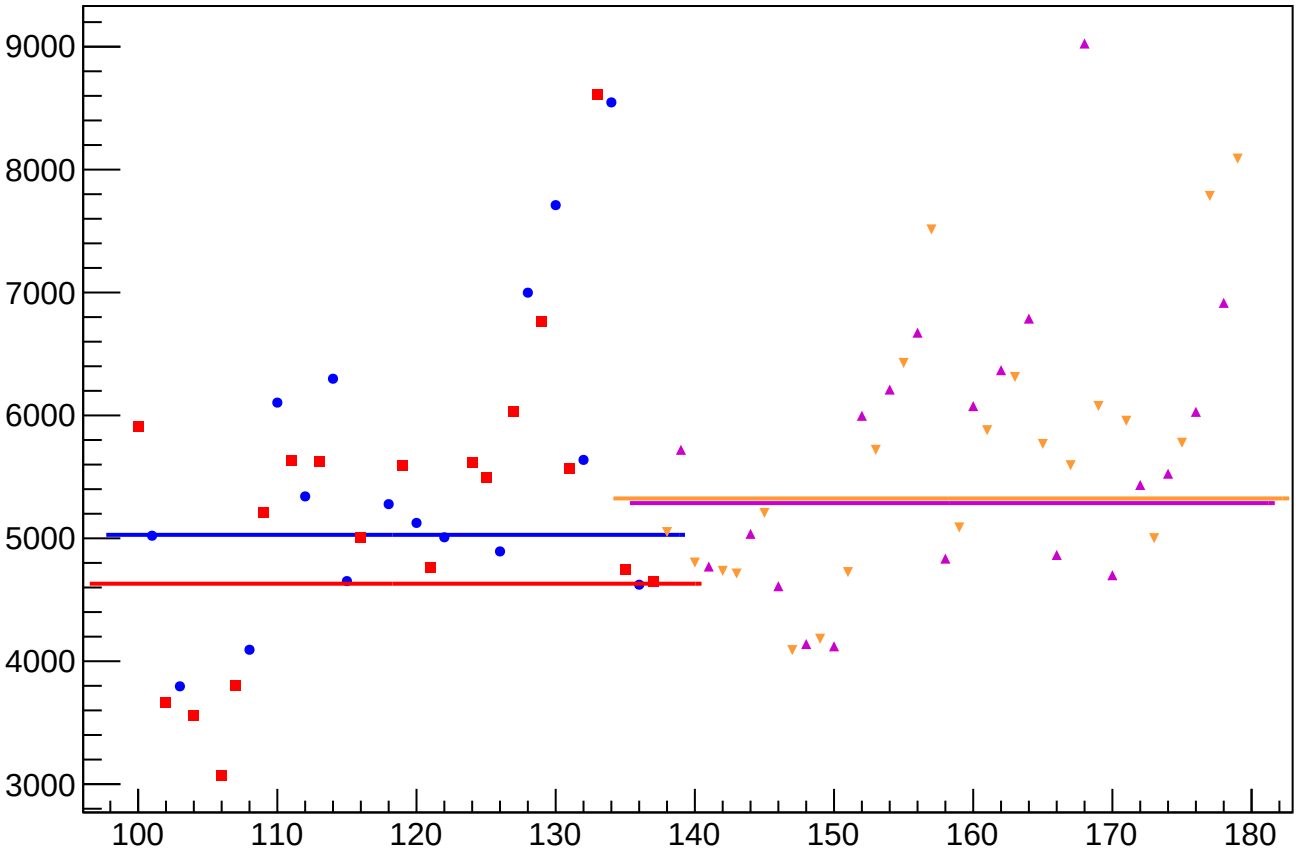
Left: 655.846+/-931.706 χ^2/NDF: 36.4/41

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -350.716+/-1094.628 χ^2/NDF:27.7/35

Out: 406.993+/-1043.996 χ^2/NDF:38.7/40

All: 46.067+/-755.482 χ^2/NDF: 66.7/76



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5324.678+/-0.920 χ^2/NDF:1036272.2/21

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5286.733+/-0.944 χ^2/NDF:1067075.9/19

Left: 5306.181+/-0.659 χ^2/NDF: 2104176.9/41

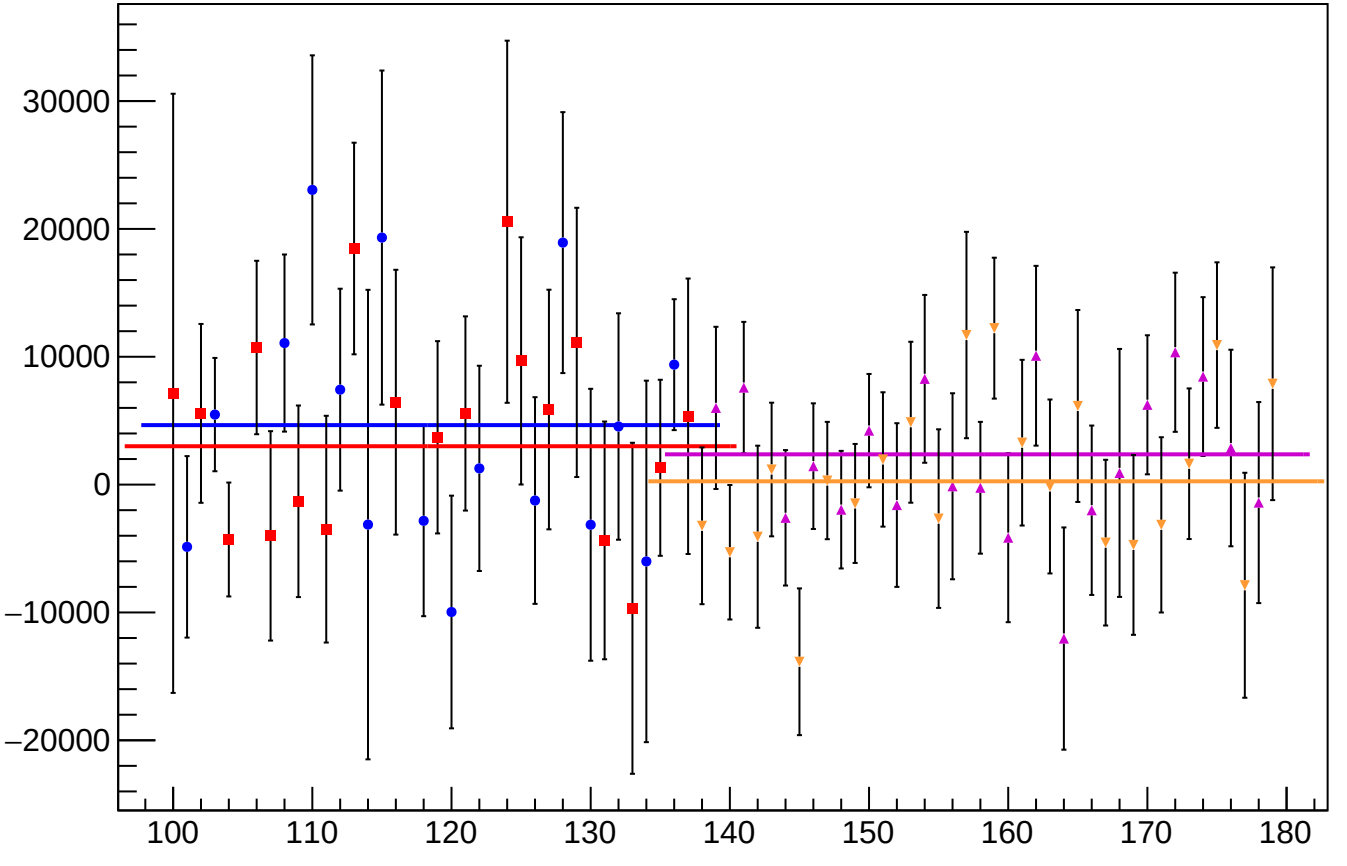
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5202.235+/-0.774 χ^2/NDF:1657050.8/35

Out: 5077.358+/-0.738 χ^2/NDF:2102399.1/40

All: 5136.842+/-0.534 χ^2/NDF: 3773080.3/76

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 257.437+/-1313.709 χ^2/NDF:22.0/21

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2368.054+/-1347.795 χ^2/NDF:13.6/19

Left: 1285.719+/-940.752 χ^2/NDF: 36.9/41

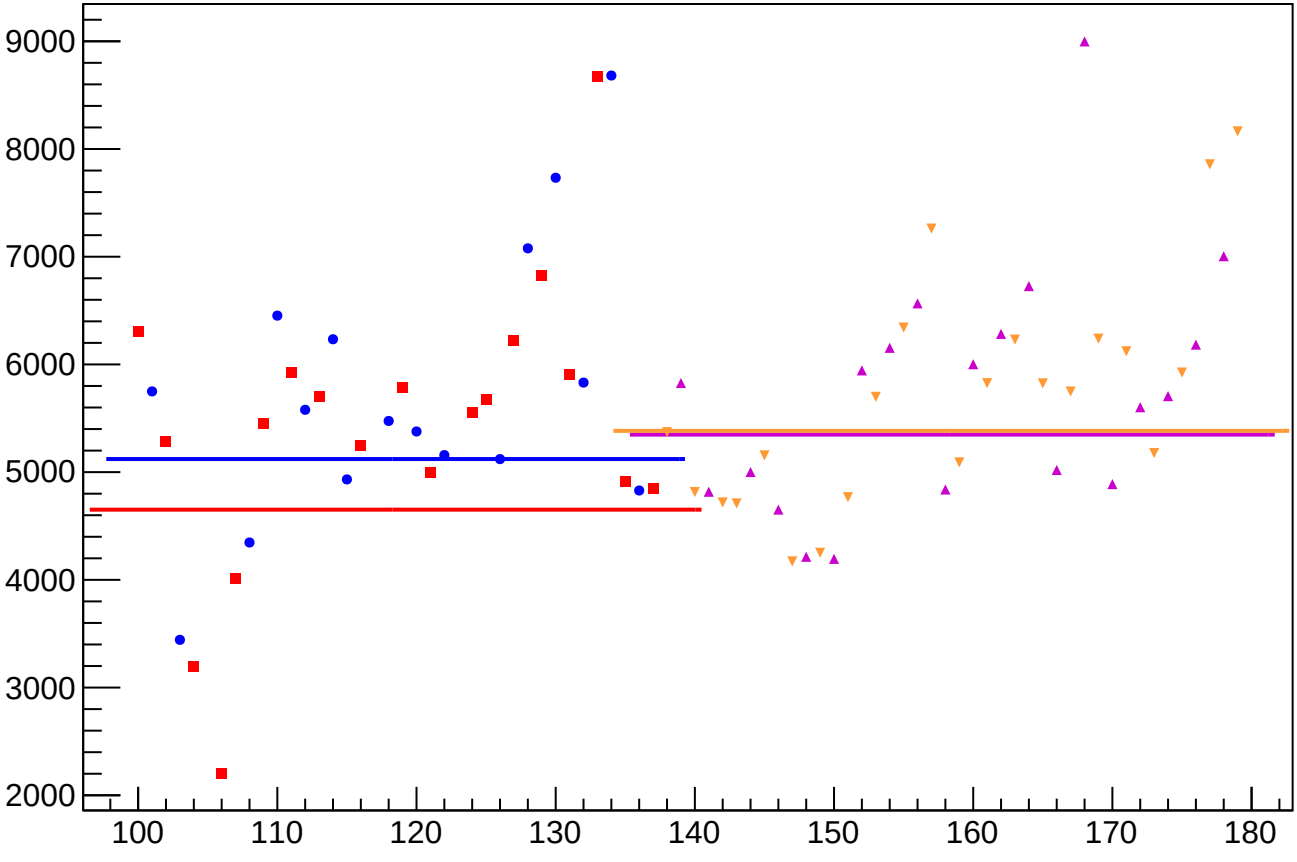
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3102.446+/-1110.288 χ^2/NDF:30.1/35

Out: 1155.754+/-1077.378 χ^2/NDF:37.3/40

All: 2099.822+/-773.194 χ^2/NDF: 69.0/76

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5383.435+/-0.929 χ^2/NDF:986605.6/21

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5348.574+/-0.953 χ^2/NDF:991616.8/19

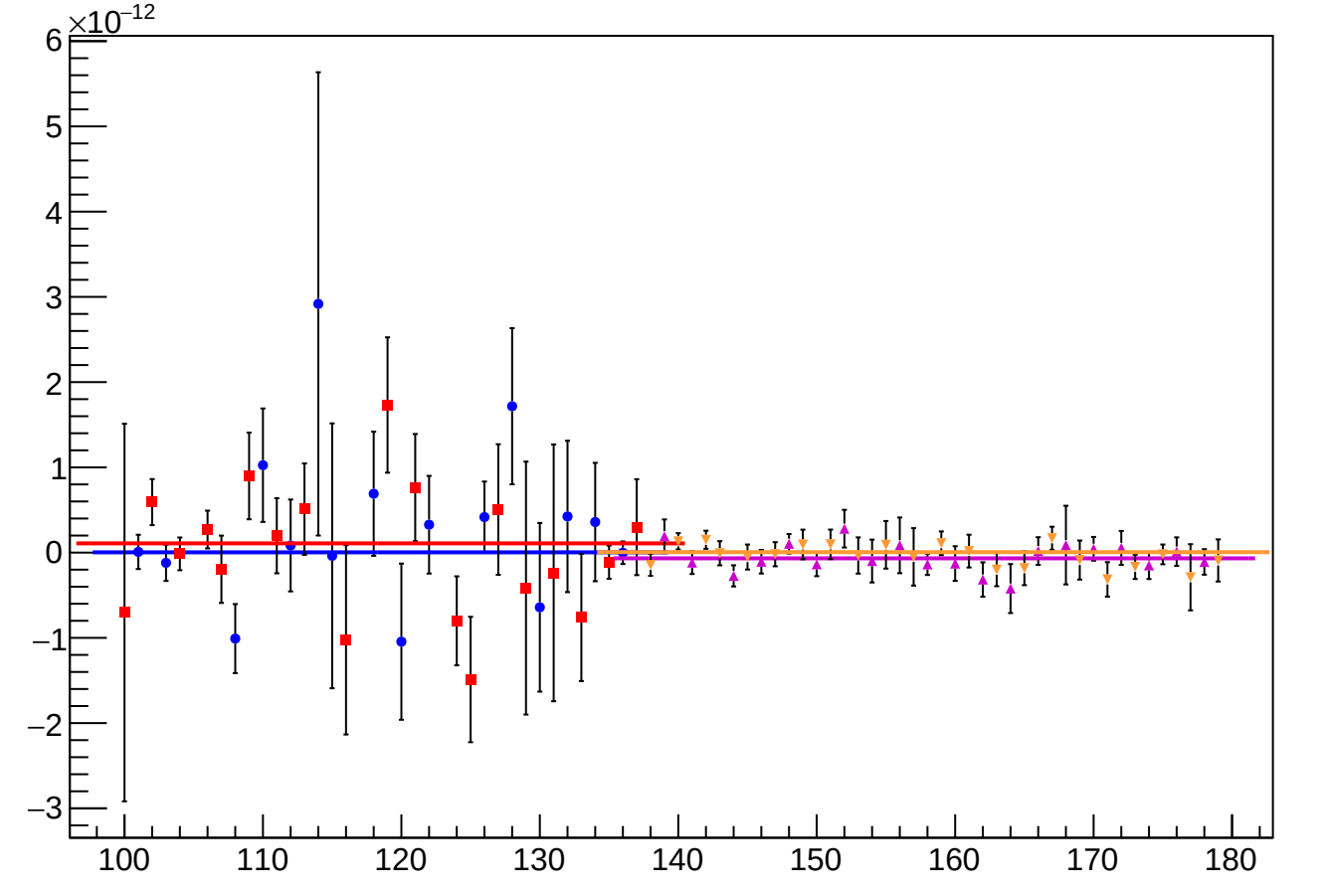
Left: 5366.451+/-0.665 χ^2/NDF: 1978908.5/41

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5275.642+/-0.785 χ^2/NDF:1730208.7/35

Out: 5131.098+/-0.752 χ^2/NDF:2545442.3/40

All: 5200.248+/-0.543 χ^2/NDF: 4293331.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.3/19

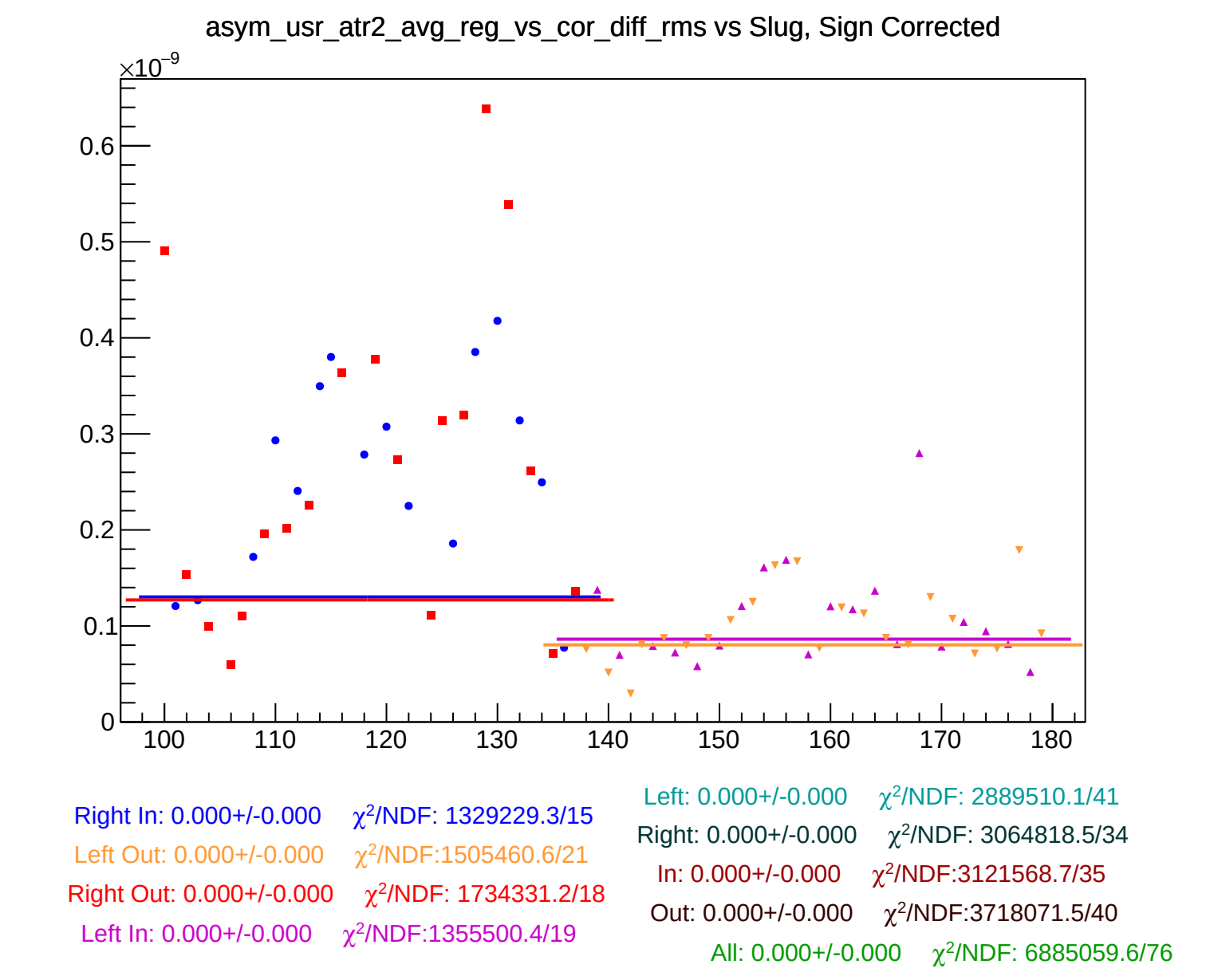
Left: -0.000+/-0.000 χ^2/NDF: 32.2/41

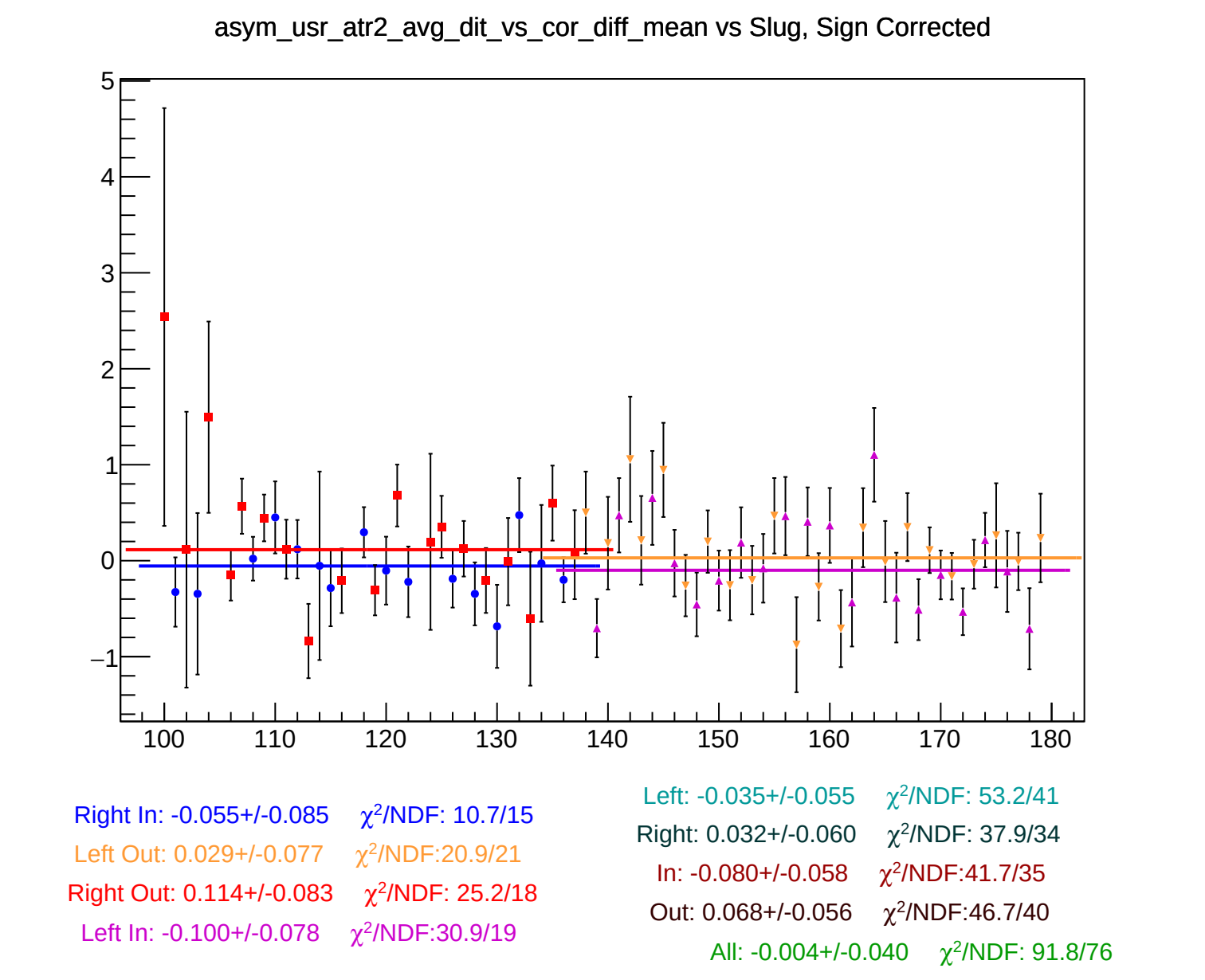
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

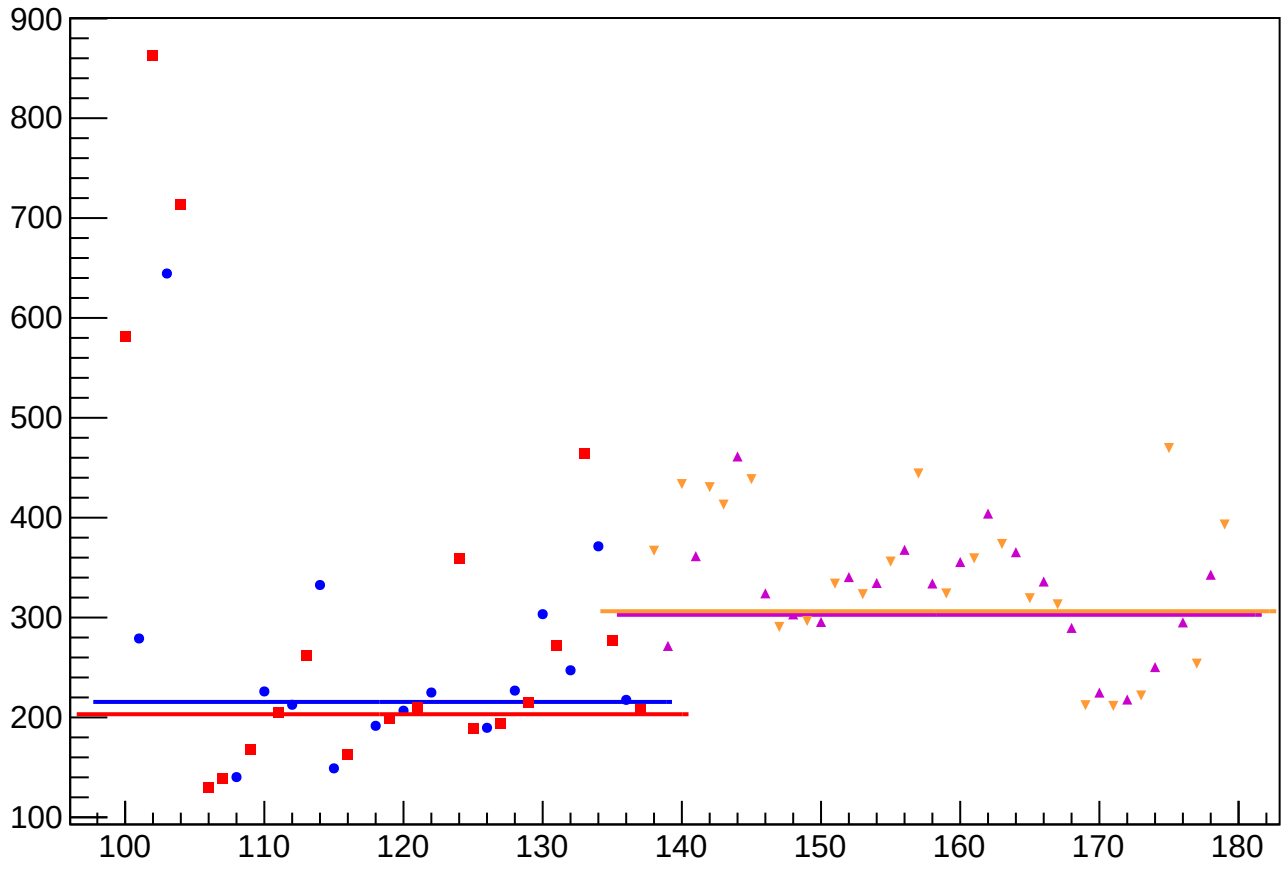
In: -0.000+/-0.000 χ^2/NDF:33.9/35

Out: 0.000+/-0.000 χ^2/NDF:41.1/40

All: -0.000+/-0.000 χ^2/NDF: 77.6/76


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1505460.6/21
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1355500.4/19
Left: 0.000+/-0.000 χ²/NDF: 2889510.1/41
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:3121568.7/35
Out: 0.000+/-0.000 χ²/NDF:3718071.5/40
All: 0.000+/-0.000 χ²/NDF: 6885059.6/76


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.029+/-0.077 χ²/NDF:20.9/21
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.100+/-0.078 χ²/NDF:30.9/19
Left: -0.035+/-0.055 χ²/NDF: 53.2/41
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.058 χ²/NDF:41.7/35
Out: 0.068+/-0.056 χ²/NDF:46.7/40
All: -0.004+/-0.040 χ²/NDF: 91.8/76



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 302.746+/-0.055 χ^2/NDF:1086209.0/19

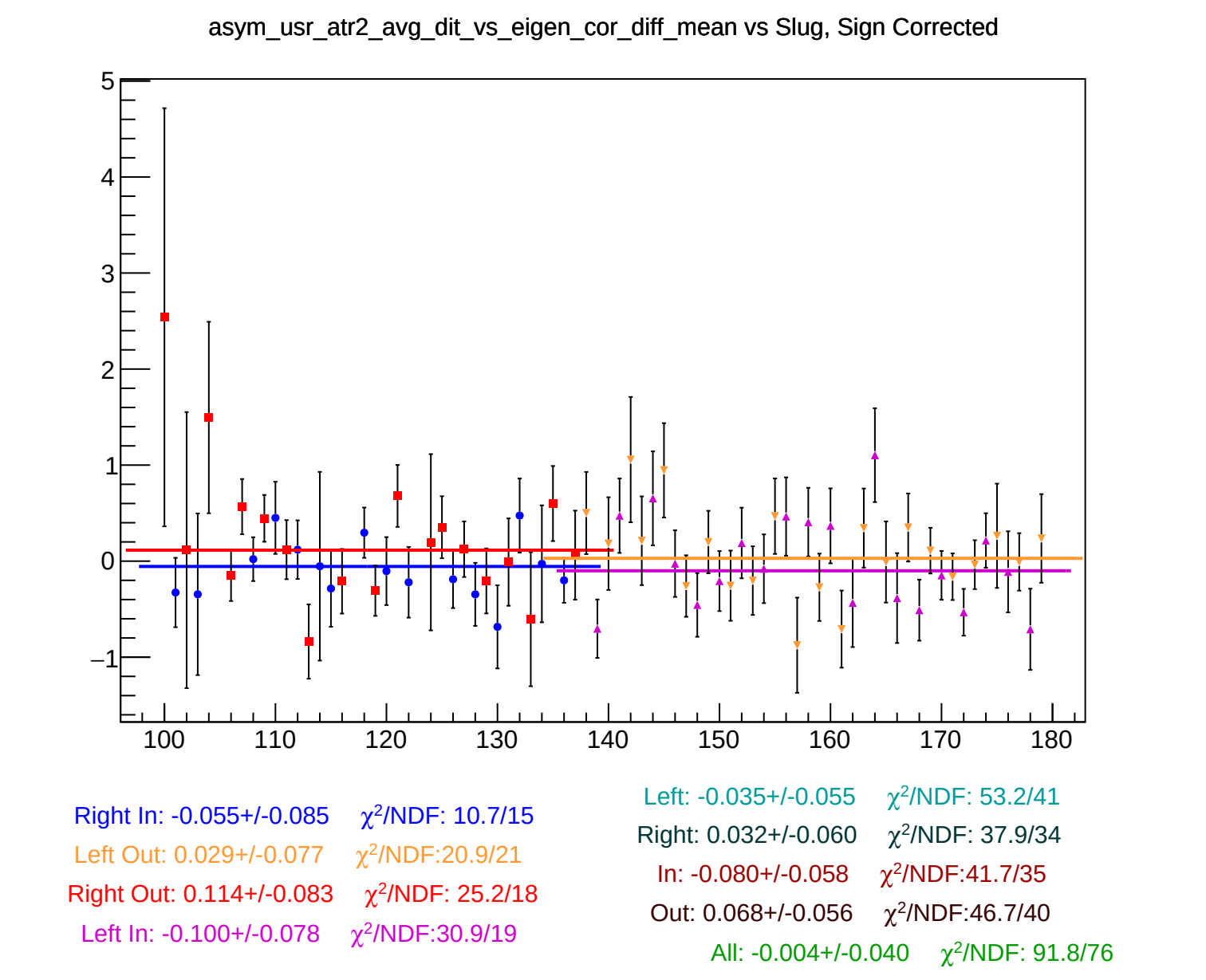
Left: 304.566+/-0.039 χ^2/NDF: 3048374.6/41

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

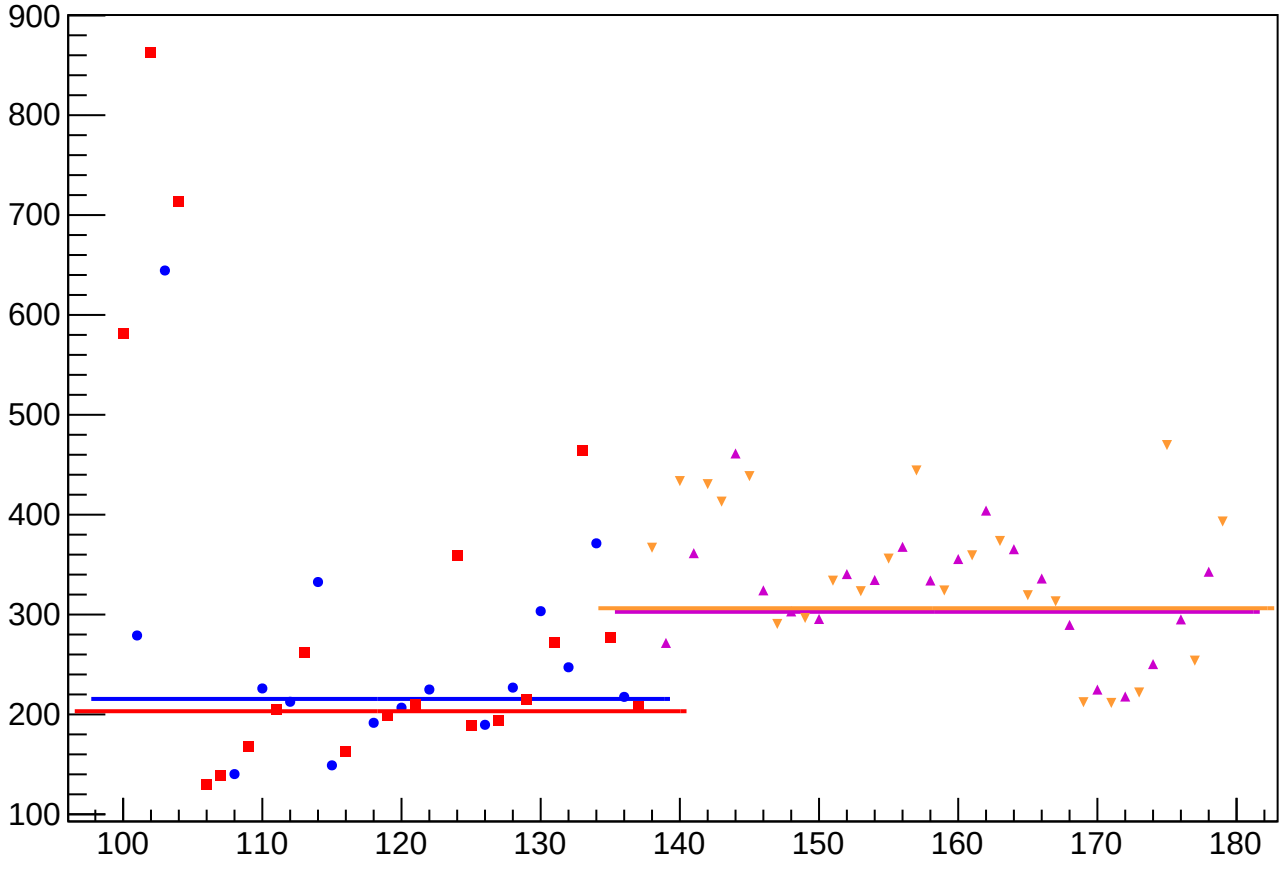
In: 263.092+/-0.041 χ^2/NDF:3371046.9/35

Out: 258.838+/-0.040 χ^2/NDF:5452474.6/40

All: 260.922+/-0.029 χ^2/NDF: 8829082.3/76


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.029+/-0.077 χ²/NDF:20.9/21
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.100+/-0.078 χ²/NDF:30.9/19
Left: -0.035+/-0.055 χ²/NDF: 53.2/41
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.058 χ²/NDF:41.7/35
Out: 0.068+/-0.056 χ²/NDF:46.7/40
All: -0.004+/-0.040 χ²/NDF: 91.8/76

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 306.333+/-0.054 χ^2/NDF:1960021.9/21

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 302.746+/-0.055 χ^2/NDF:1086209.0/19

Left: 304.566+/-0.039 χ^2/NDF: 3048374.6/41

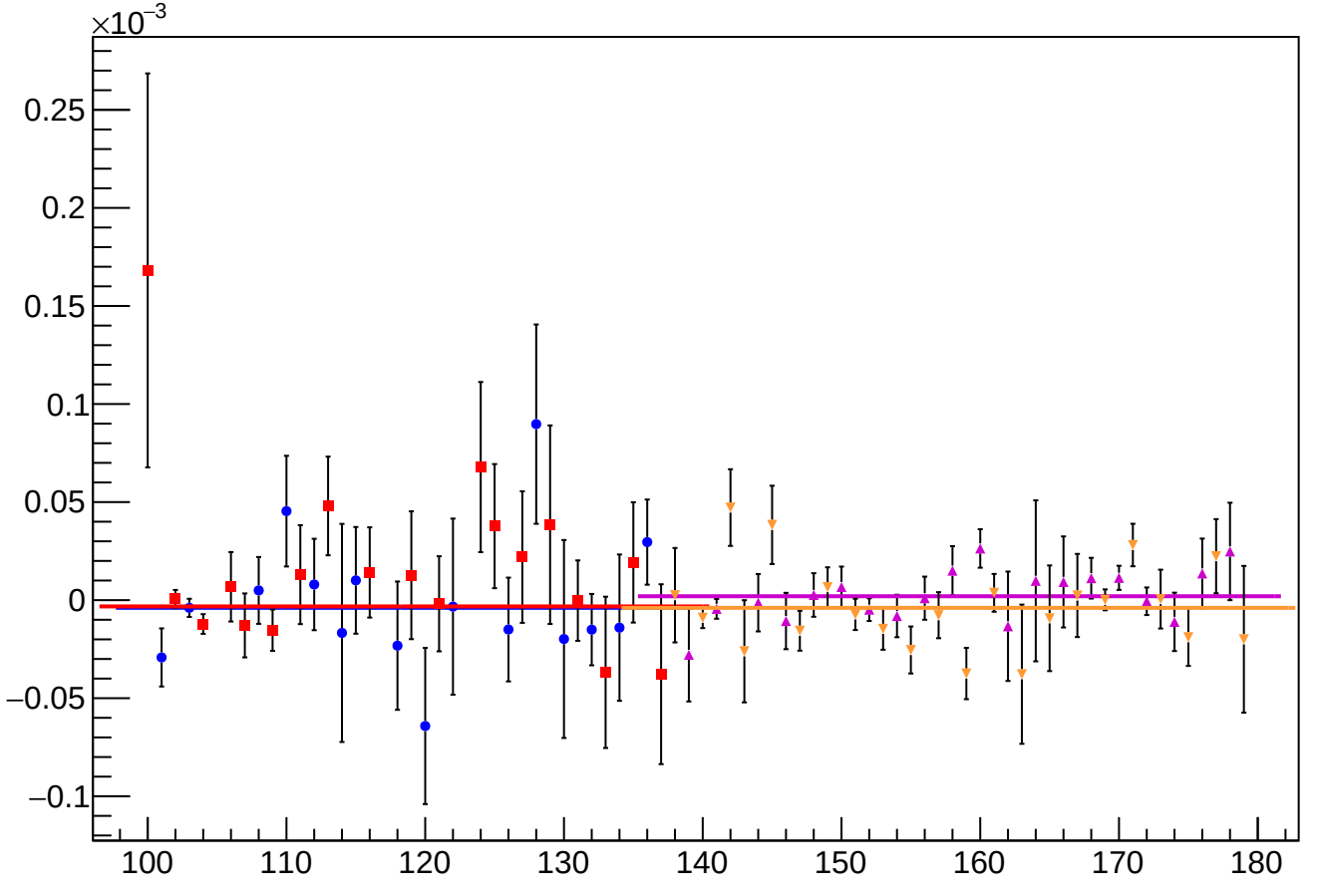
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 263.092+/-0.041 χ^2/NDF:3371046.9/35

Out: 258.838+/-0.040 χ^2/NDF:5452474.6/40

All: 260.922+/-0.029 χ^2/NDF: 8829082.3/76

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/19

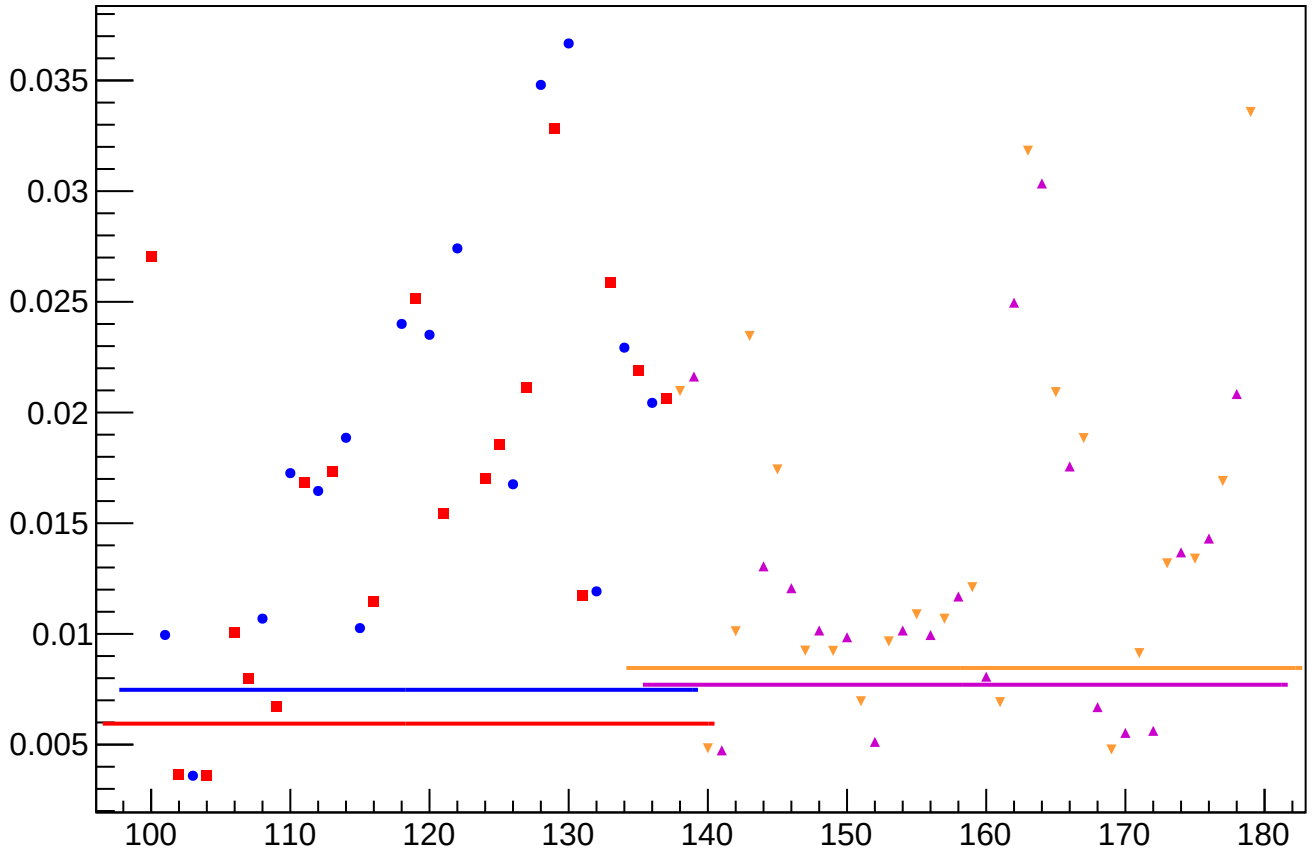
Left: -0.000+/-0.000 χ^2/NDF: 63.6/41

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: 0.000+/-0.000 χ^2/NDF:37.2/35

Out: -0.000+/-0.000 χ^2/NDF:62.4/40

All: -0.000+/-0.000 χ^2/NDF: 102.1/76



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:7514706.5/21

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:6135387.8/19

Left: 0.008+/-0.000 χ^2/NDF: 13758880.4/41

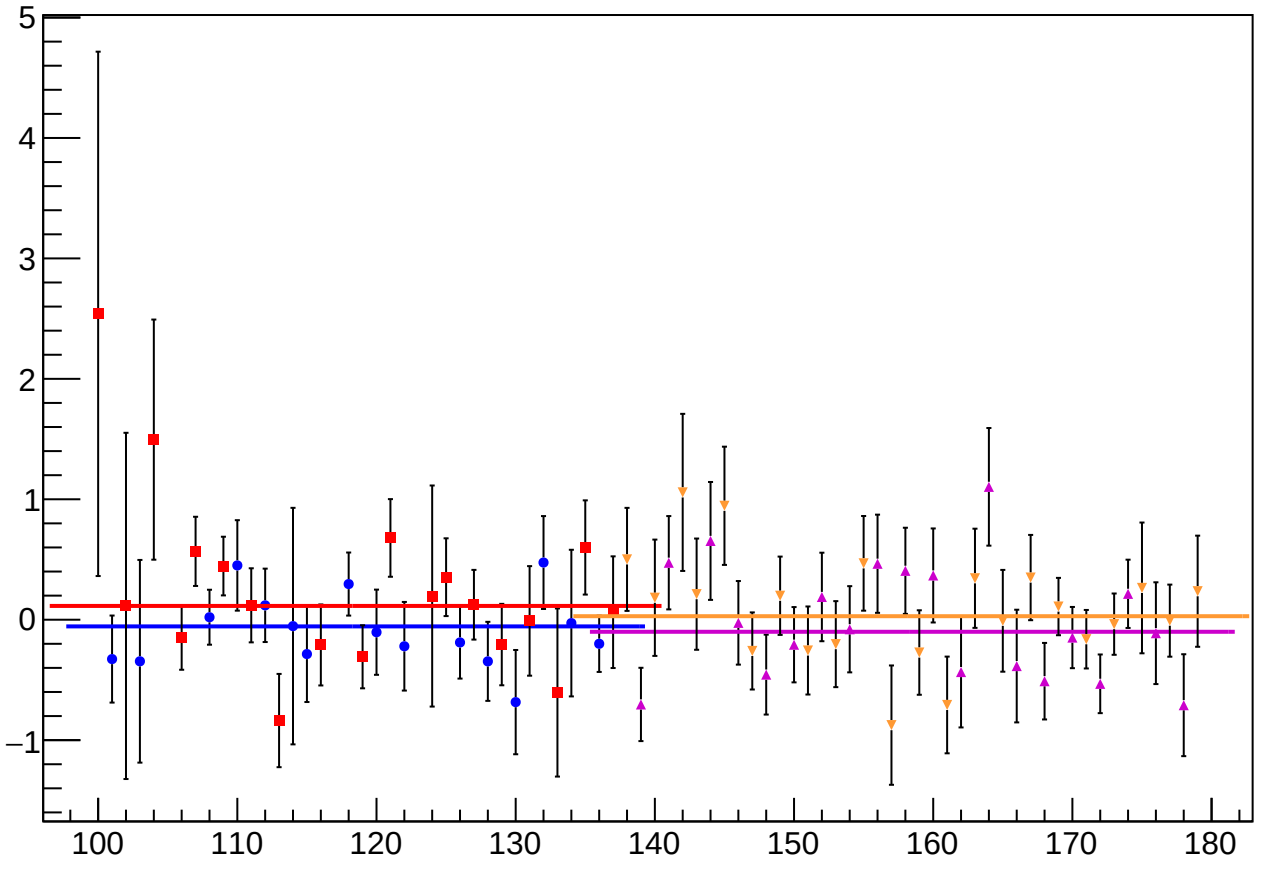
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:12217009.0/35

Out: 0.007+/-0.000 χ^2/NDF:14355698.7/40

All: 0.008+/-0.000 χ^2/NDF: 26582478.9/76

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.100+/-0.078 χ^2/NDF:30.9/19

Left: -0.035+/-0.055 χ^2/NDF: 53.2/41

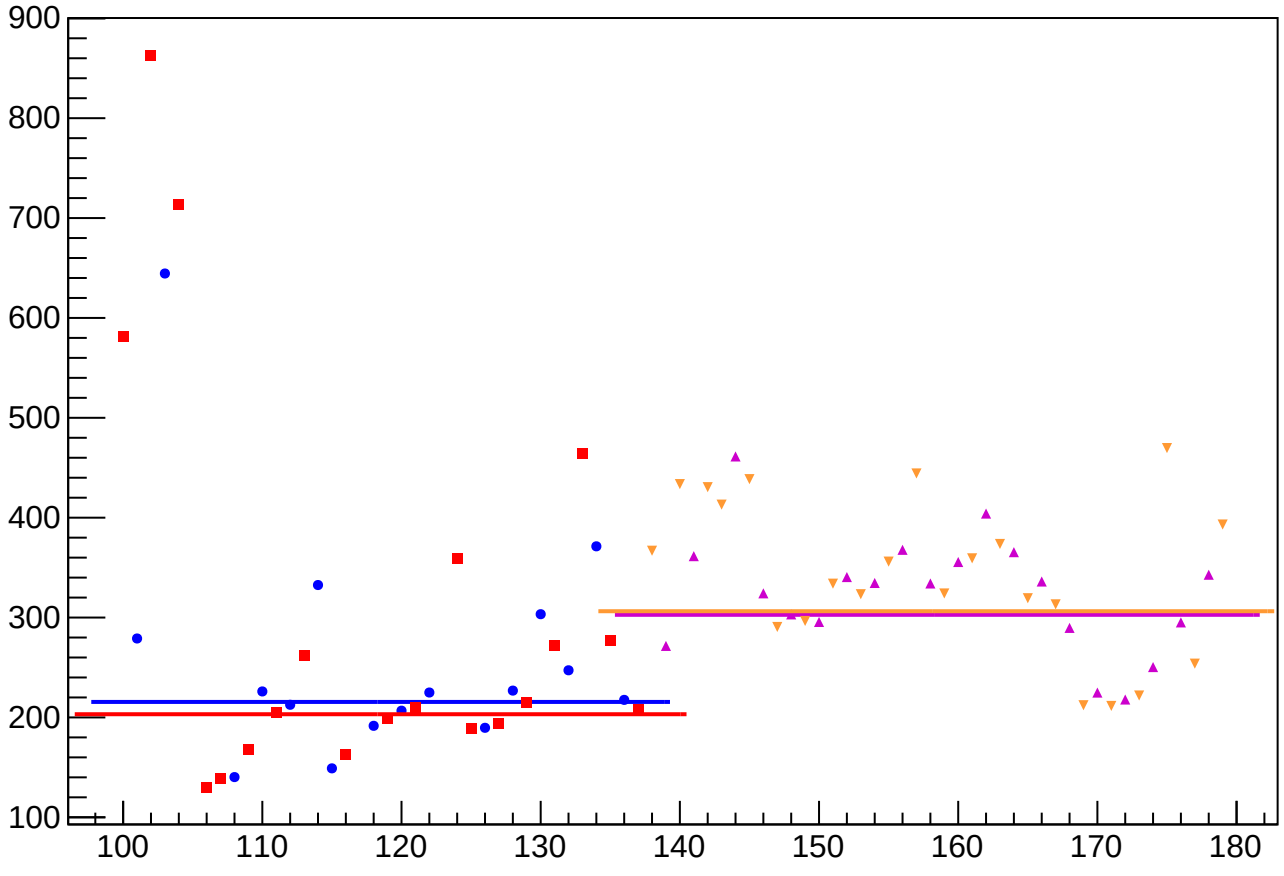
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.080+/-0.058 χ^2/NDF:41.7/35

Out: 0.068+/-0.056 χ^2/NDF:46.7/40

All: -0.004+/-0.040 χ^2/NDF: 91.8/76

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 306.336+/-0.054 χ^2/NDF:1960098.5/21

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 302.750+/-0.055 χ^2/NDF:1086259.2/19

Left: 304.569+/-0.039 χ^2/NDF: 3048500.9/41

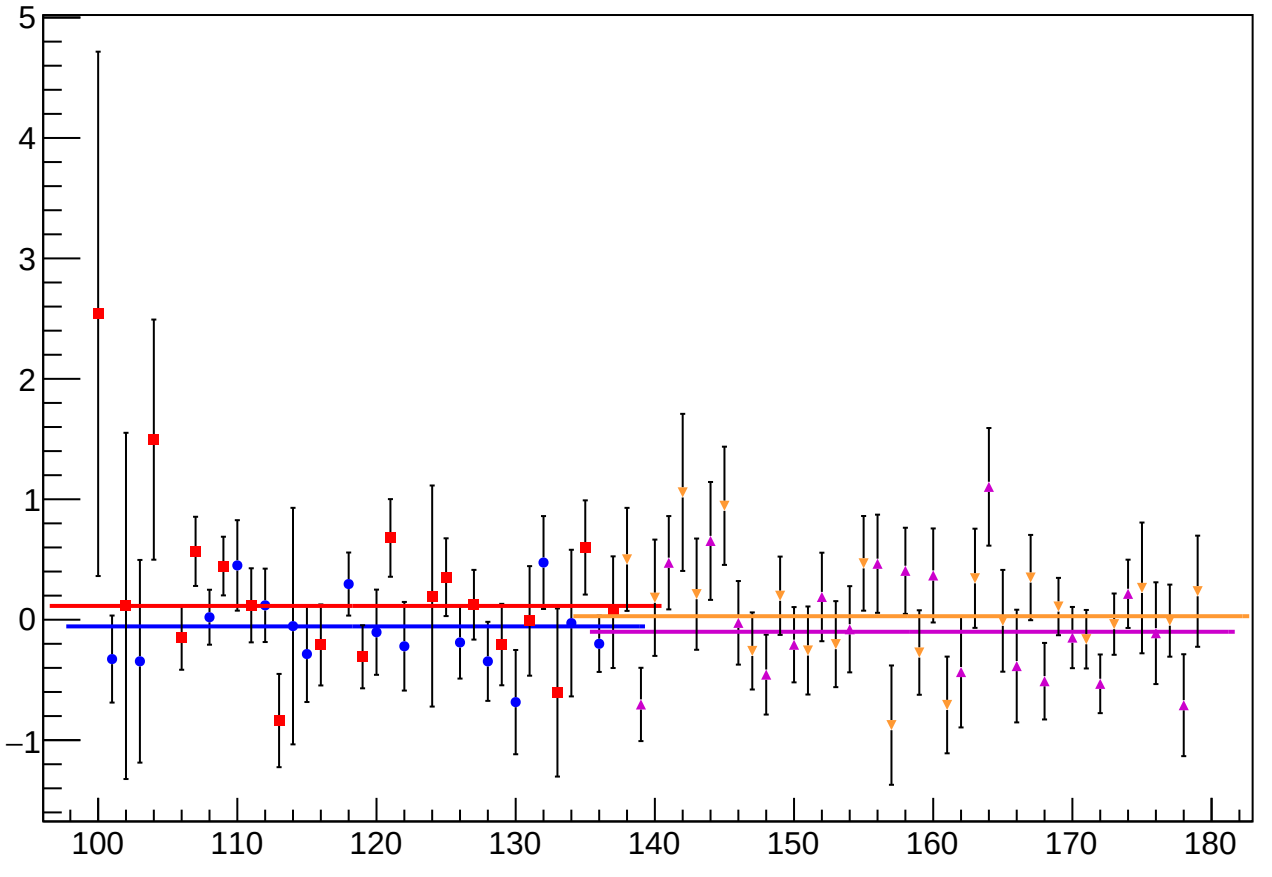
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 263.093+/-0.041 χ^2/NDF:3371186.4/35

Out: 258.838+/-0.040 χ^2/NDF:5452677.1/40

All: 260.922+/-0.029 χ^2/NDF: 8829425.7/76

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-0.077 χ^2/NDF:20.9/21

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.100+/-0.078 χ^2/NDF:30.9/19

Left: -0.035+/-0.055 χ^2/NDF: 53.2/41

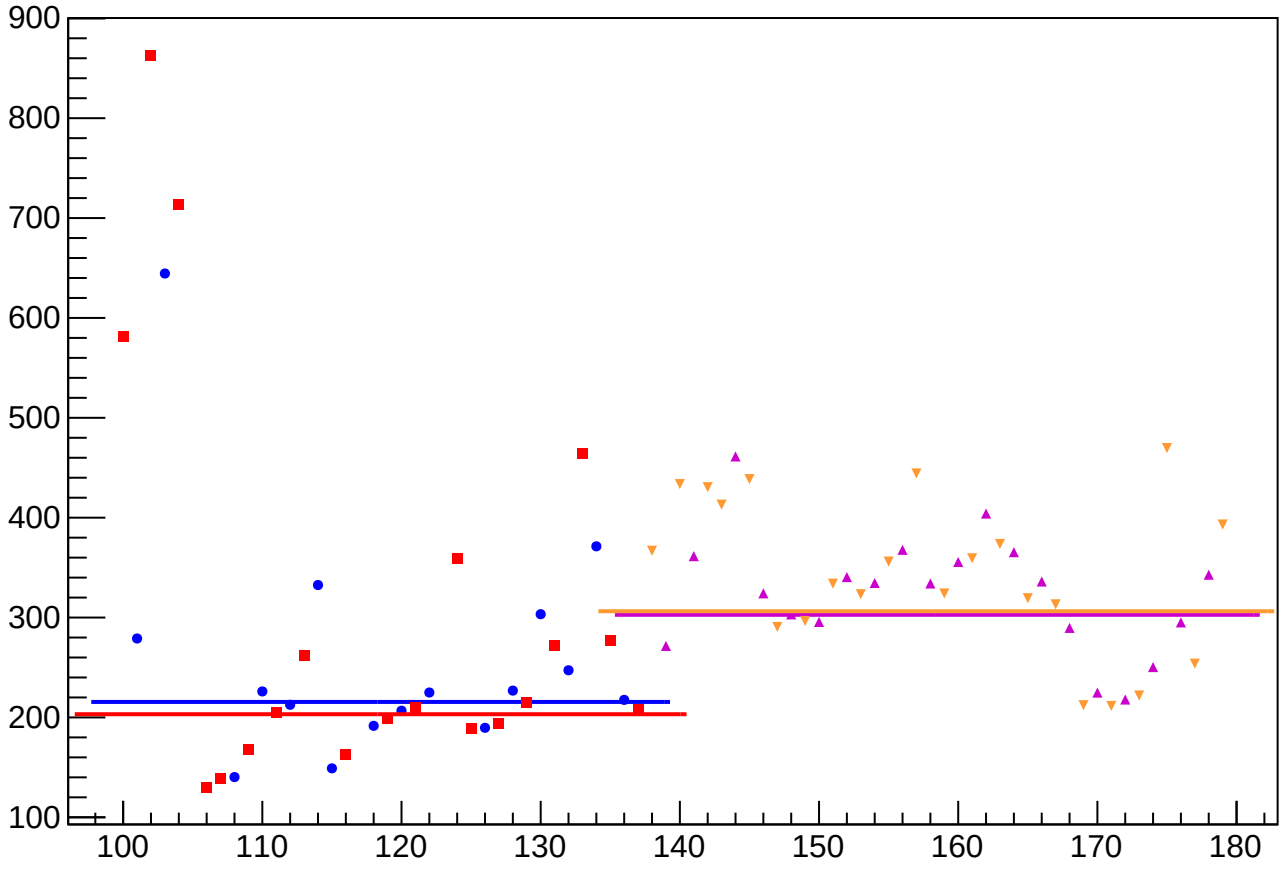
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.080+/-0.058 χ^2/NDF:41.7/35

Out: 0.068+/-0.056 χ^2/NDF:46.7/40

All: -0.004+/-0.040 χ^2/NDF: 91.8/76

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 306.336+/-0.054 χ^2/NDF:1960098.5/21

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 302.750+/-0.055 χ^2/NDF:1086259.2/19

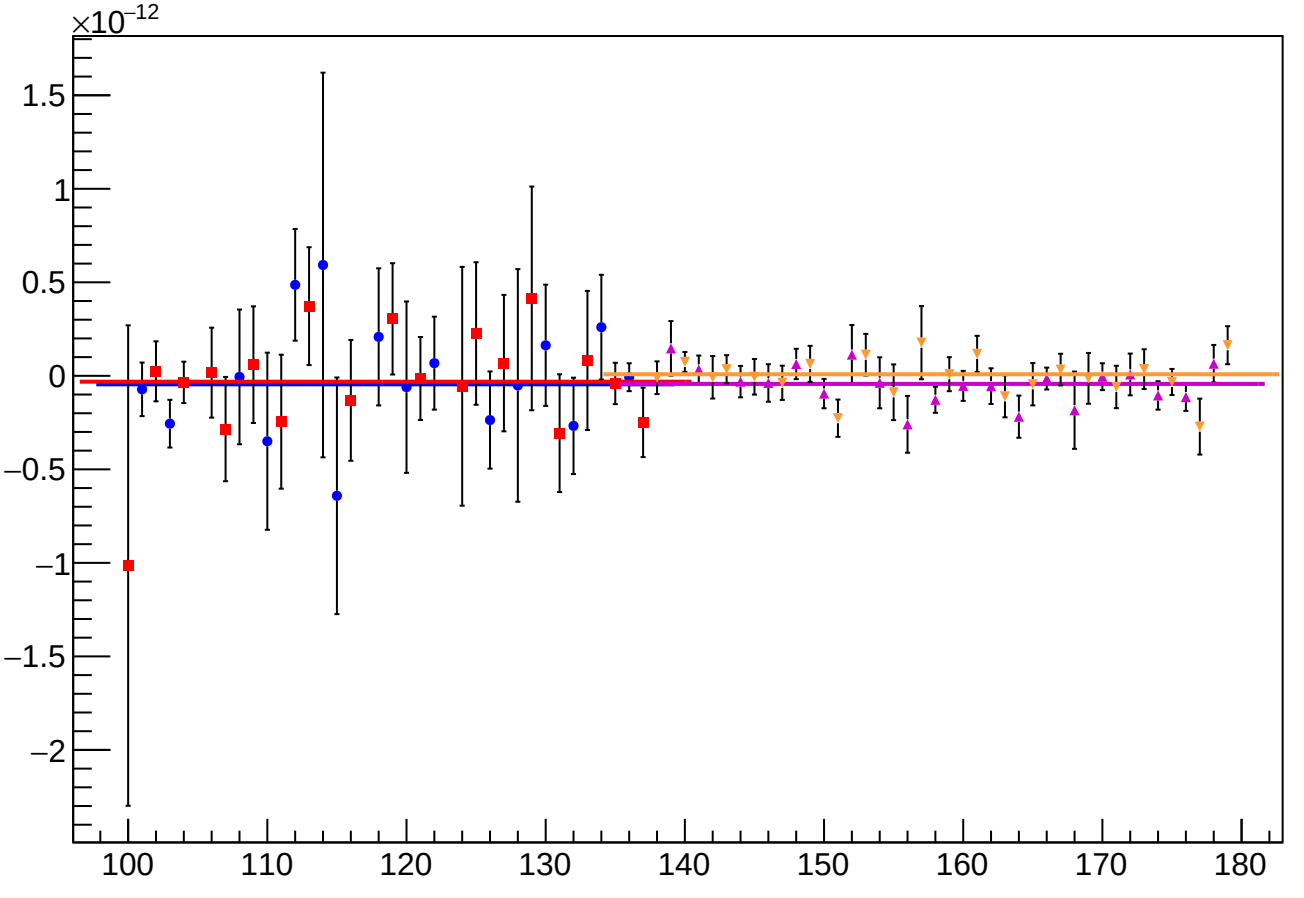
Left: 304.569+/-0.039 χ^2/NDF: 3048500.9/41

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 263.093+/-0.041 χ^2/NDF:3371186.4/35

Out: 258.838+/-0.040 χ^2/NDF:5452677.1/40

All: 260.922+/-0.029 χ^2/NDF: 8829425.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/19

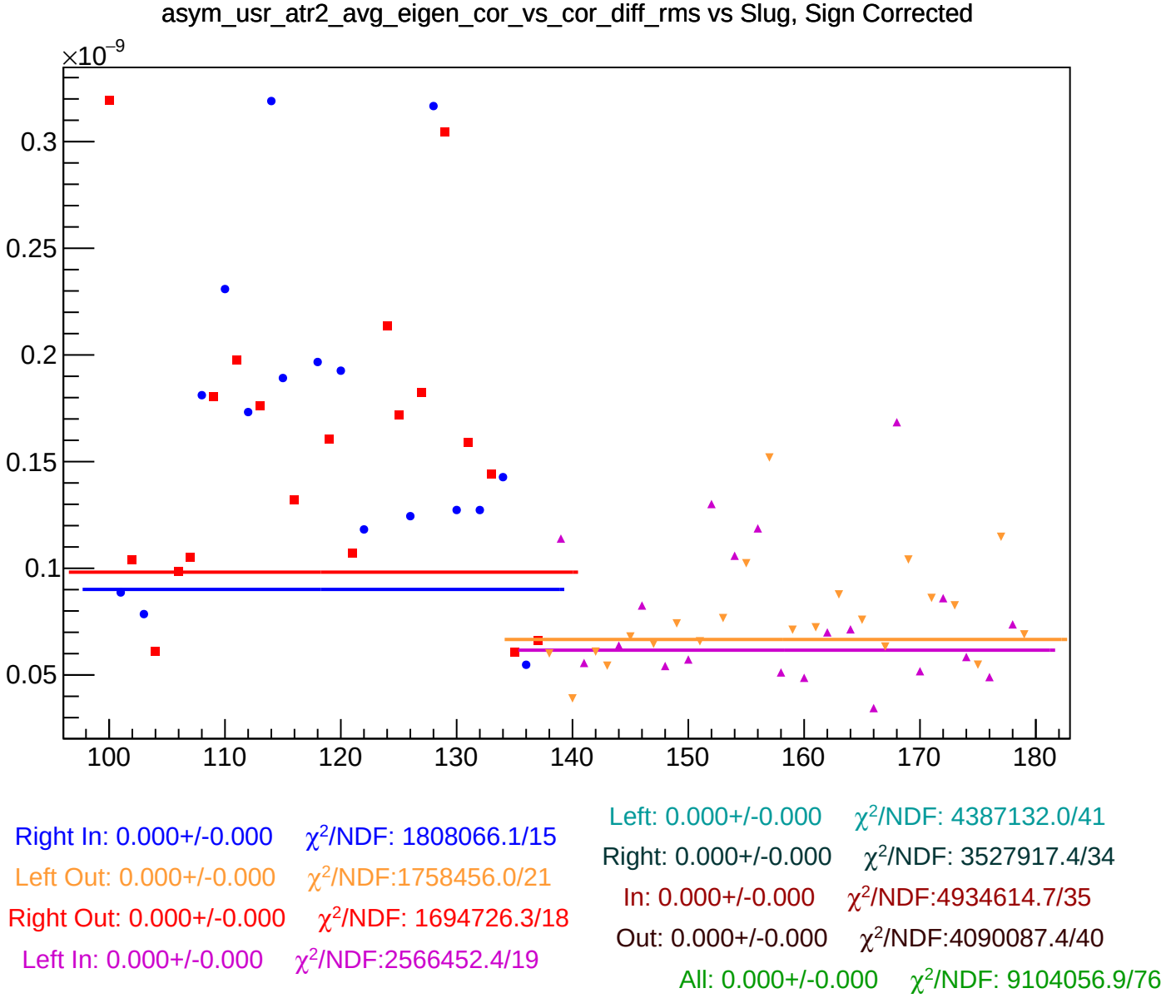
Left: -0.000+/-0.000 χ^2/NDF: 38.4/41

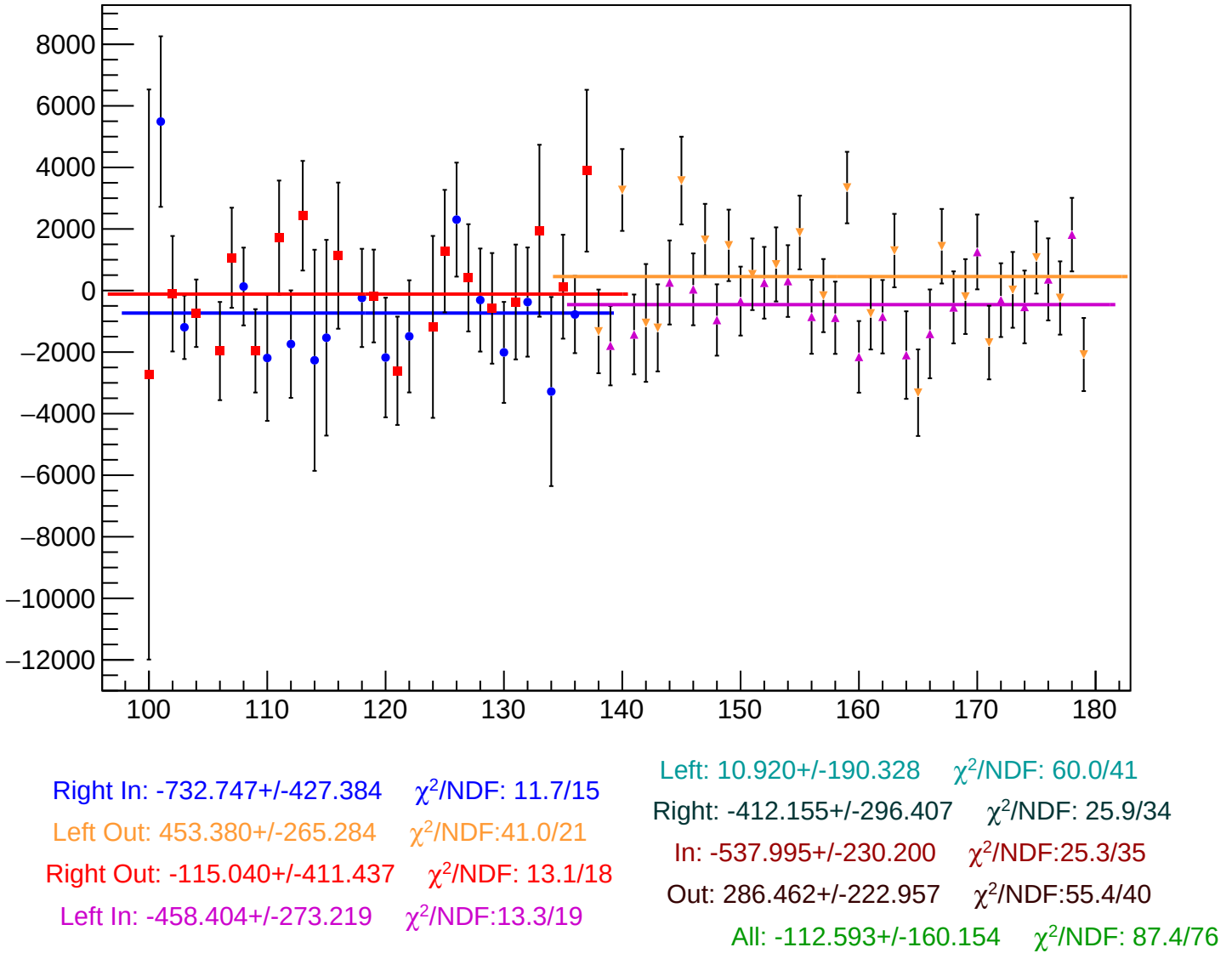
Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

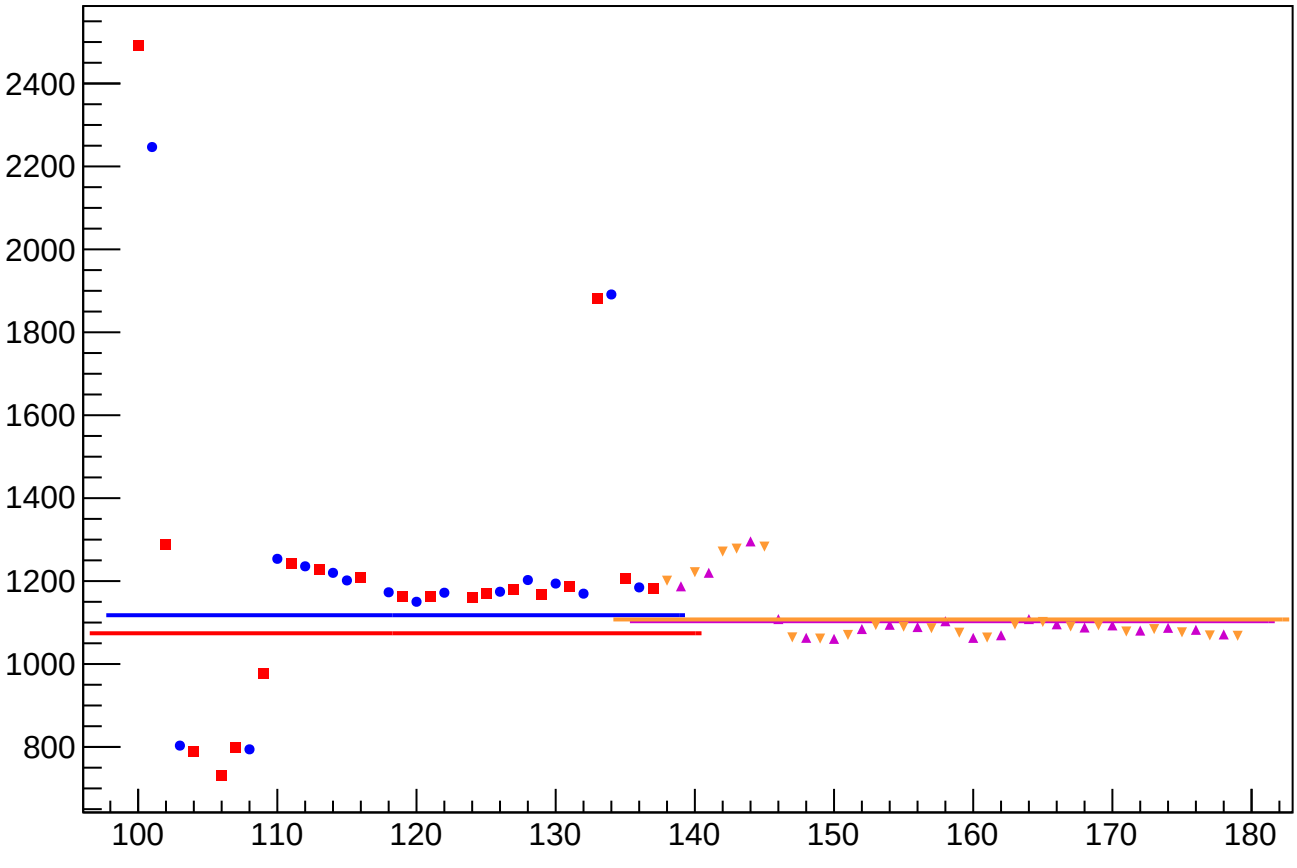
In: -0.000+/-0.000 χ^2/NDF:27.3/35

Out: 0.000+/-0.000 χ^2/NDF:28.1/40

All: -0.000+/-0.000 χ^2/NDF: 58.5/76


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1758456.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:2566452.4/19
Left: 0.000+/-0.000 χ²/NDF: 4387132.0/41
Right: 0.000+/-0.000 χ²/NDF: 3527917.4/34
In: 0.000+/-0.000 χ²/NDF:4934614.7/35
Out: 0.000+/-0.000 χ²/NDF:4090087.4/40
All: 0.000+/-0.000 χ²/NDF: 9104056.9/76


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 453.380+/-265.284 χ²/NDF:41.0/21
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -458.404+/-273.219 χ²/NDF:13.3/19
Left: 10.920+/-190.328 χ²/NDF: 60.0/41
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -537.995+/-230.200 χ²/NDF:25.3/35
Out: 286.462+/-222.957 χ²/NDF:55.4/40
All: -112.593+/-160.154 χ²/NDF: 87.4/76



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

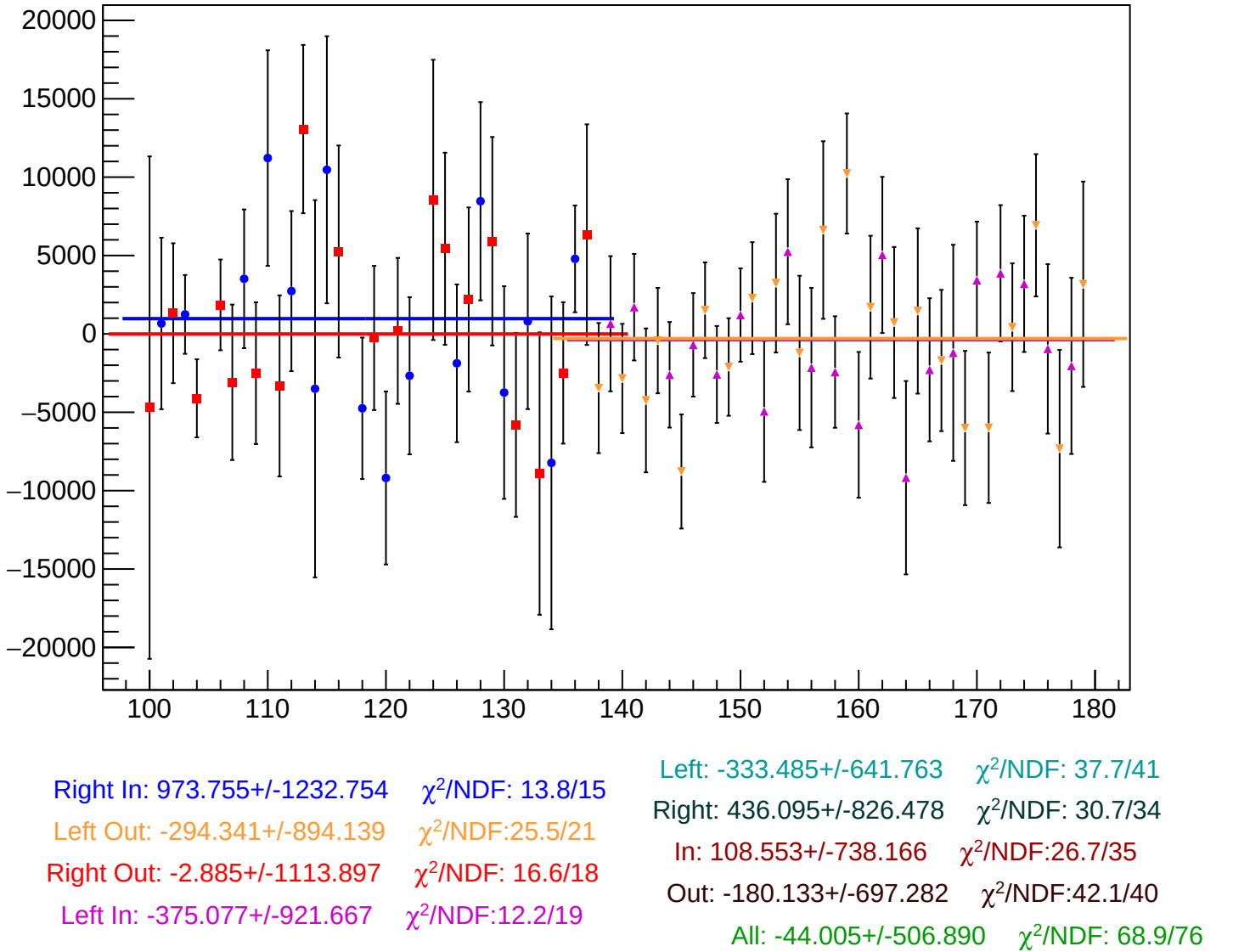
Left: 1105.427+/-0.135 χ^2/NDF: 198737.4/41

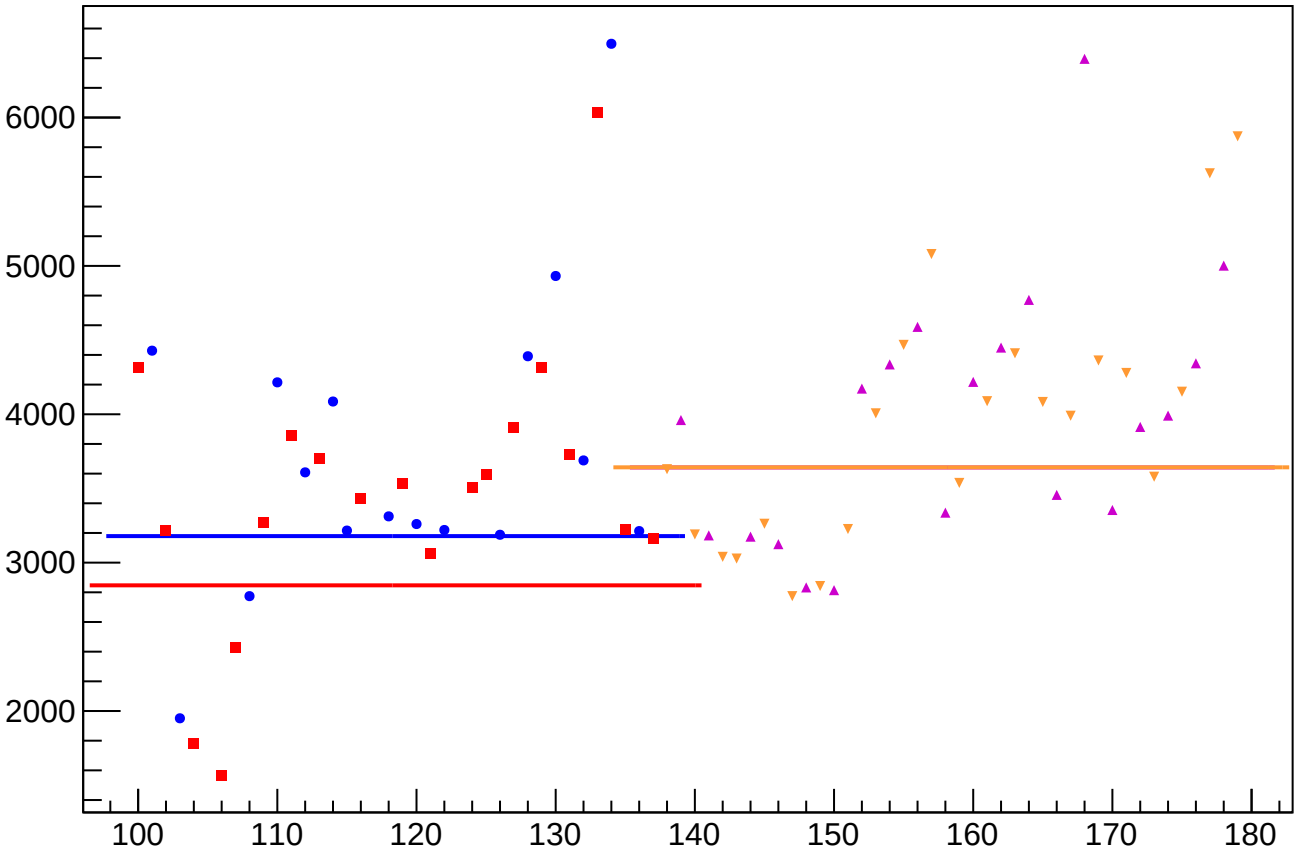
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1107.449+/-0.163 χ^2/NDF:899659.1/35

Out: 1097.566+/-0.157 χ^2/NDF:779167.1/40

All: 1102.337+/-0.113 χ^2/NDF: 1680732.7/76


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -294.341+/-894.139 χ²/NDF:25.5/21
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -375.077+/-921.667 χ²/NDF:12.2/19
Left: -333.485+/-641.763 χ²/NDF: 37.7/41
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 108.553+/-738.166 χ²/NDF:26.7/35
Out: -180.133+/-697.282 χ²/NDF:42.1/40
All: -44.005+/-506.890 χ²/NDF: 68.9/76



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3642.392+/-0.632 χ^2/NDF:1307708.2/21

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3641.421+/-0.652 χ^2/NDF:1239626.9/19

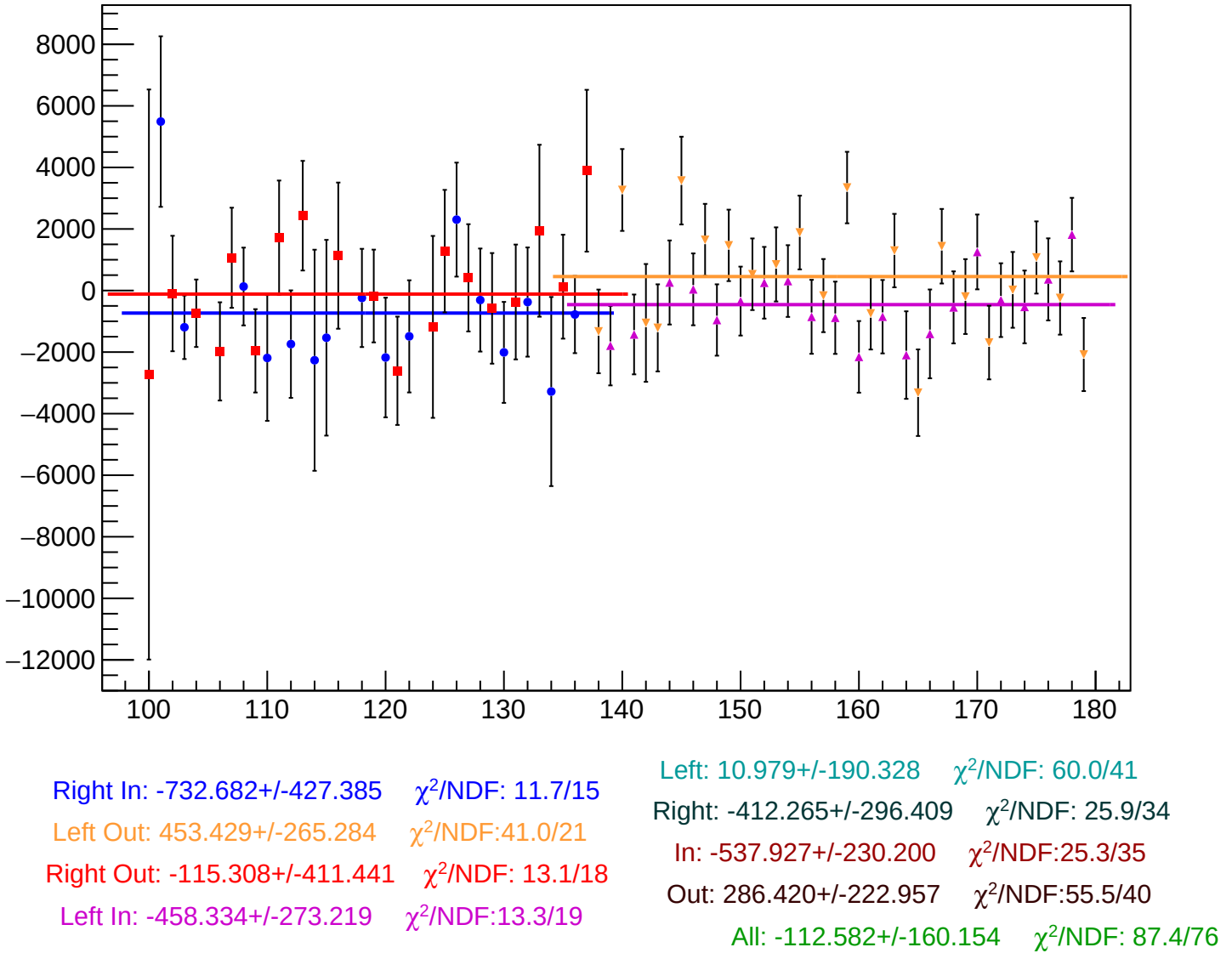
Left: 3641.921+/-0.454 χ^2/NDF: 2547336.3/41

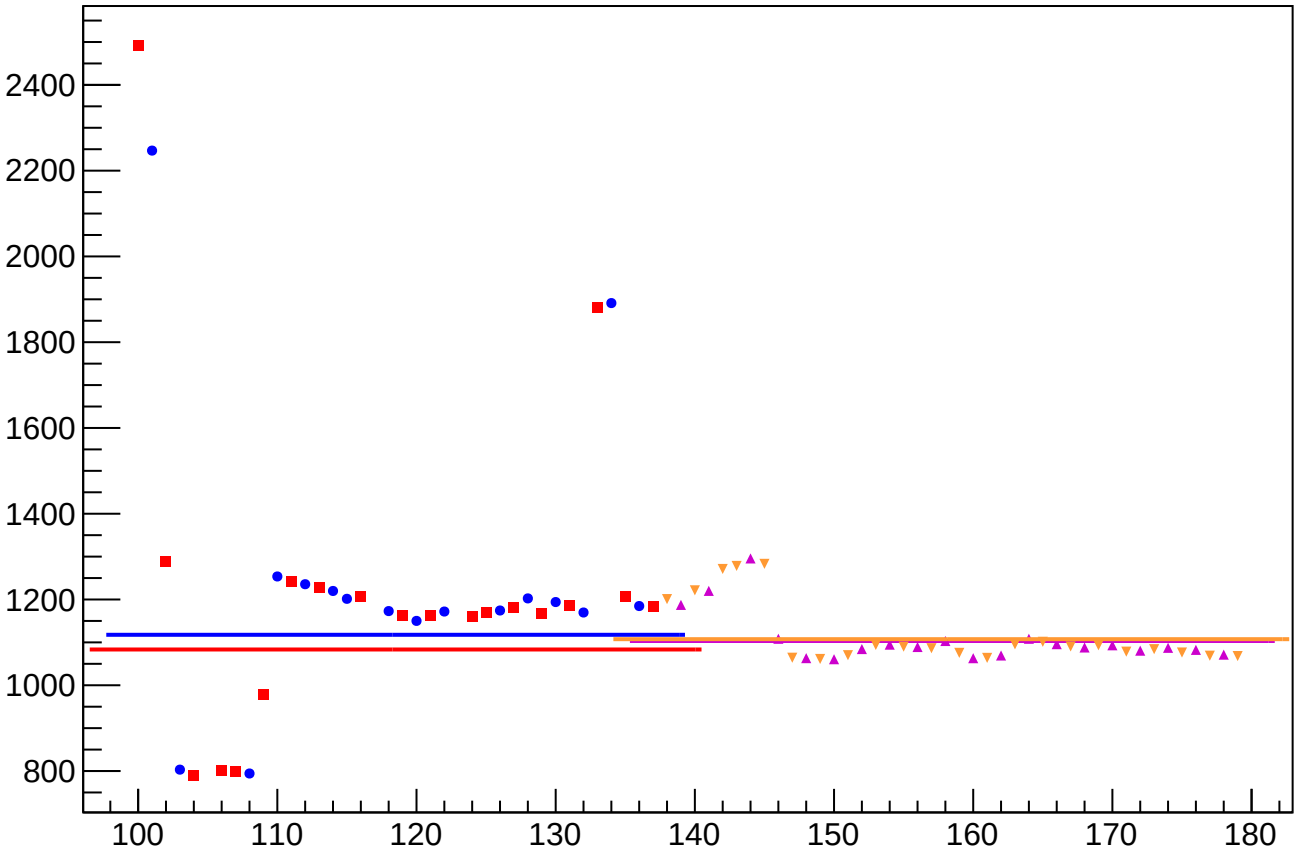
Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3475.571+/-0.522 χ^2/NDF:2511920.0/35

Out: 3330.719+/-0.493 χ^2/NDF:3439011.0/40

All: 3399.023+/-0.358 χ^2/NDF: 5991630.1/76


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 453.429+/-265.284 χ²/NDF:41.0/21
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -458.334+/-273.219 χ²/NDF:13.3/19
Left: 10.979+/-190.328 χ²/NDF: 60.0/41
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -537.927+/-230.200 χ²/NDF:25.3/35
Out: 286.420+/-222.957 χ²/NDF:55.5/40
All: -112.582+/-160.154 χ²/NDF: 87.4/76



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

Left: 1105.427+/-0.135 χ^2/NDF: 198737.4/41

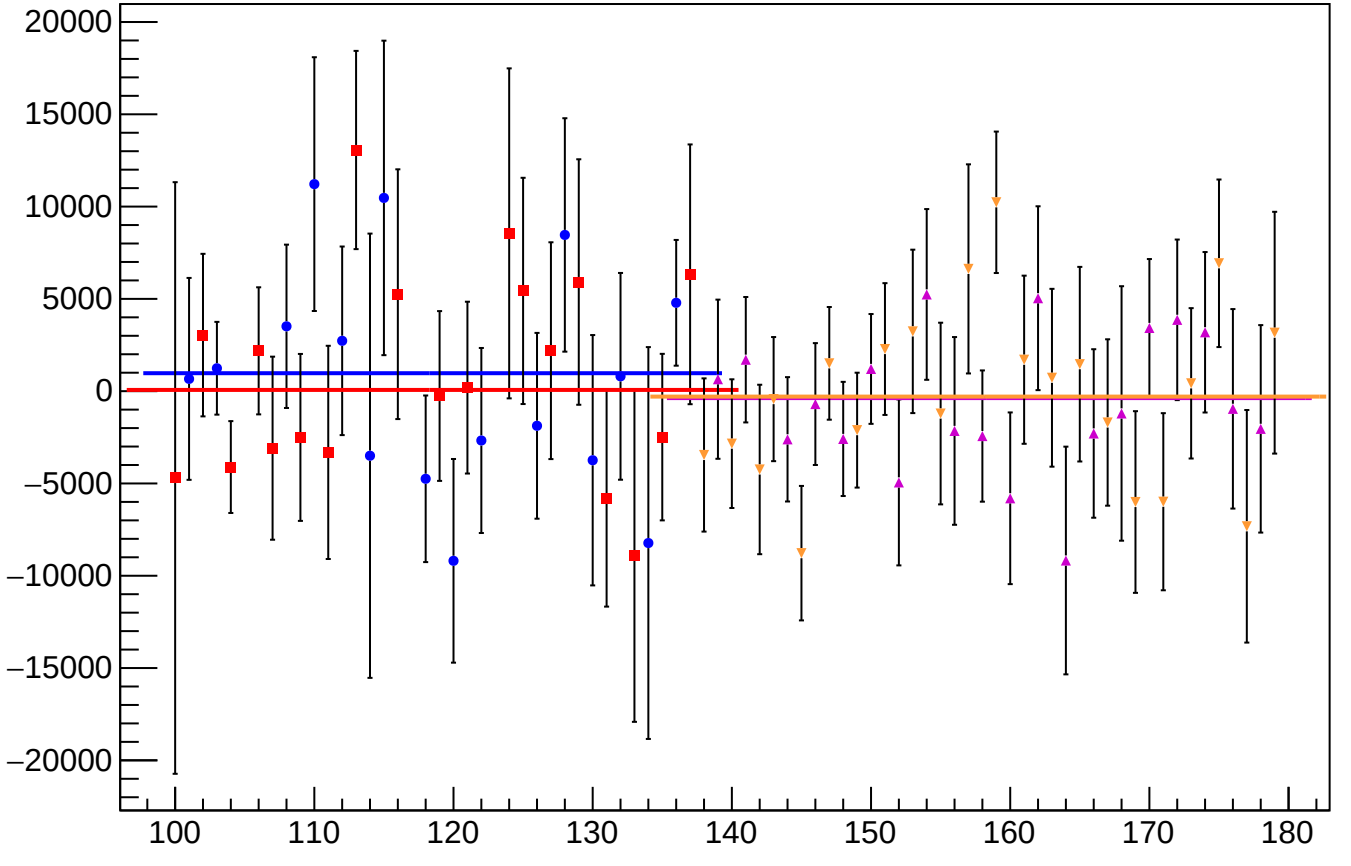
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1107.449+/-0.163 χ^2/NDF:899655.8/35

Out: 1100.385+/-0.158 χ^2/NDF:720140.2/40

All: 1103.802+/-0.113 χ^2/NDF: 1620768.2/76

asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -294.349+/-894.138 χ^2/NDF:25.5/21

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -375.066+/-921.667 χ^2/NDF:12.2/19

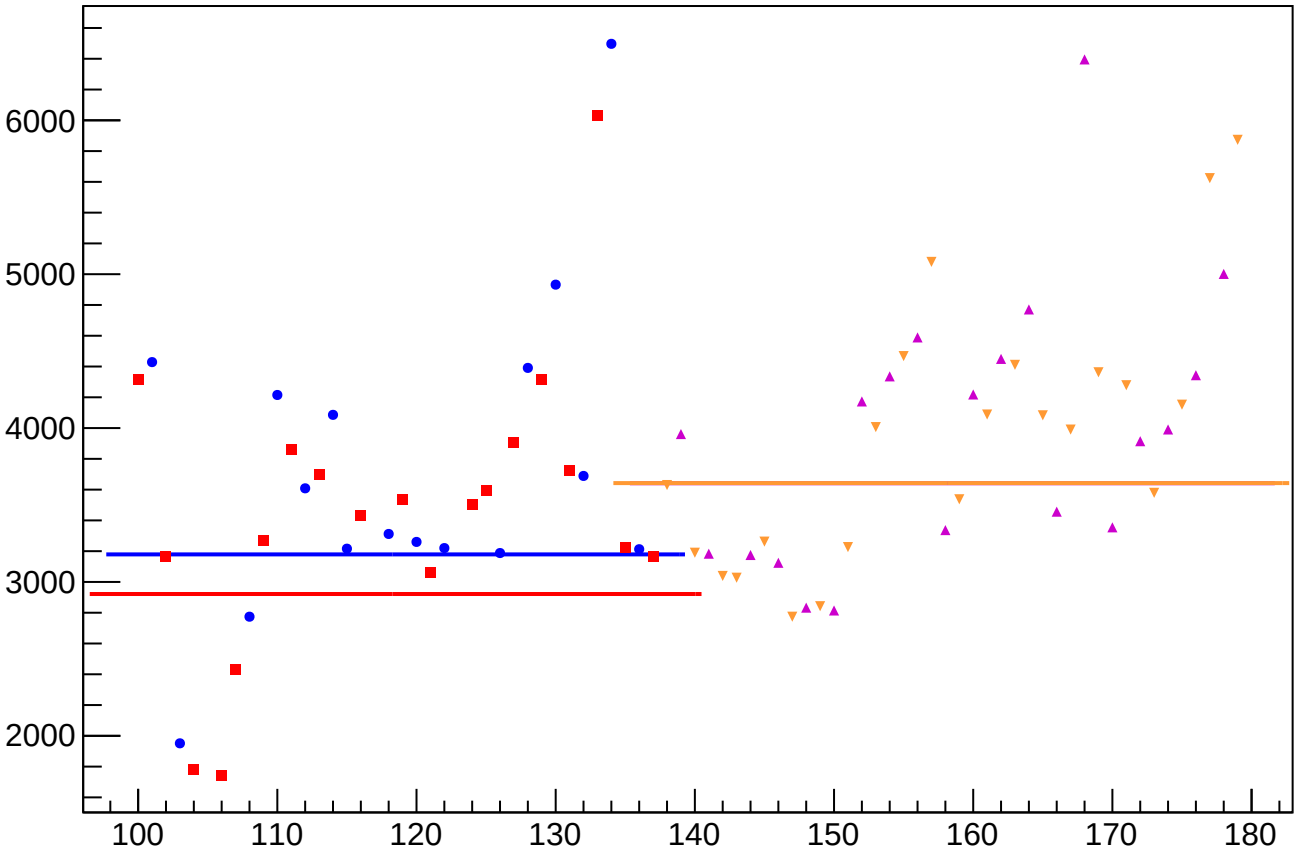
Left: -333.484+/-641.762 χ^2/NDF: 37.7/41

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 108.356+/-738.176 χ^2/NDF:26.7/35

Out: -156.362+/-703.053 χ^2/NDF:42.5/40

All: -30.451+/-509.098 χ^2/NDF: 69.3/76



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

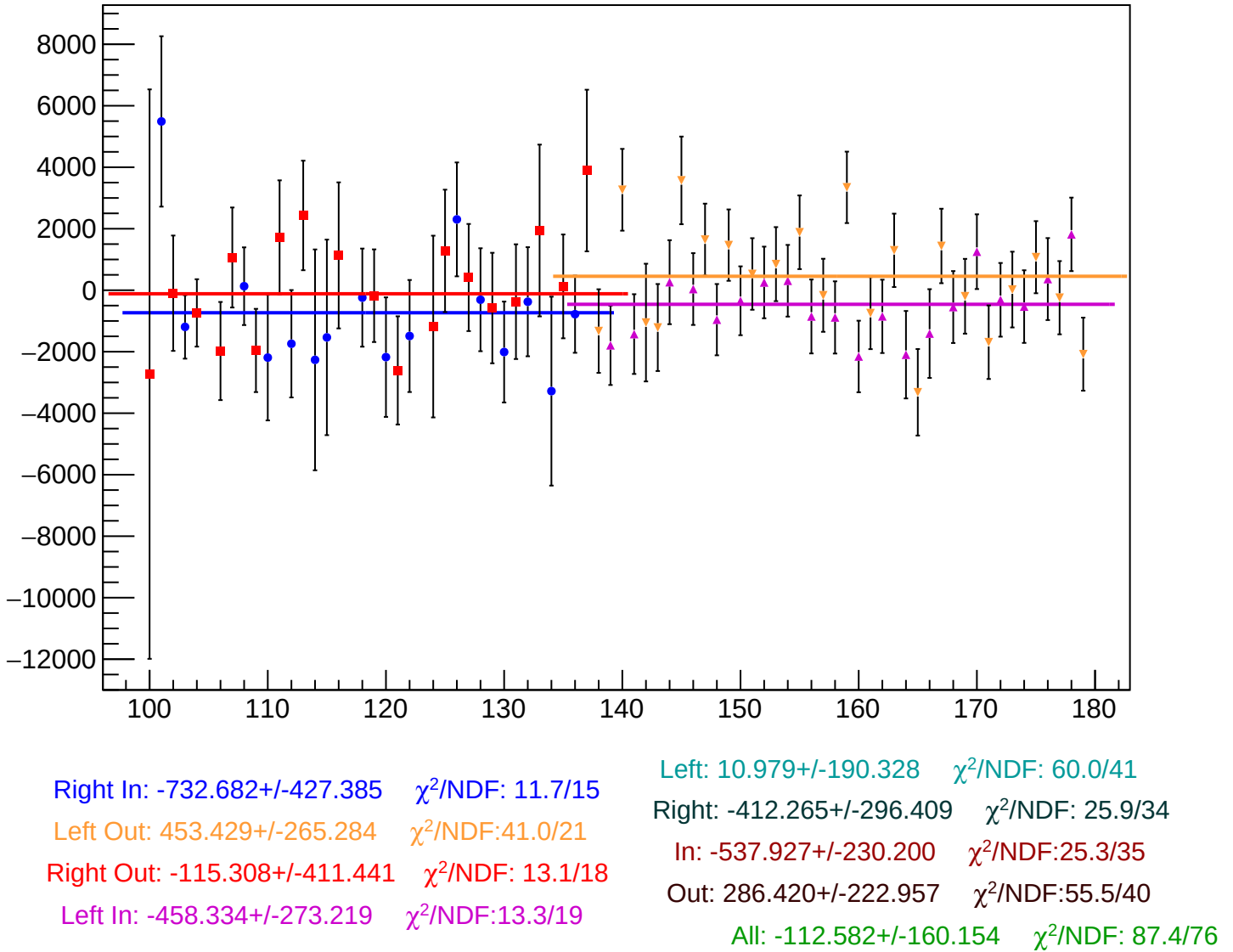
Left: 3641.918+/-0.454 χ^2/NDF: 2547348.1/41

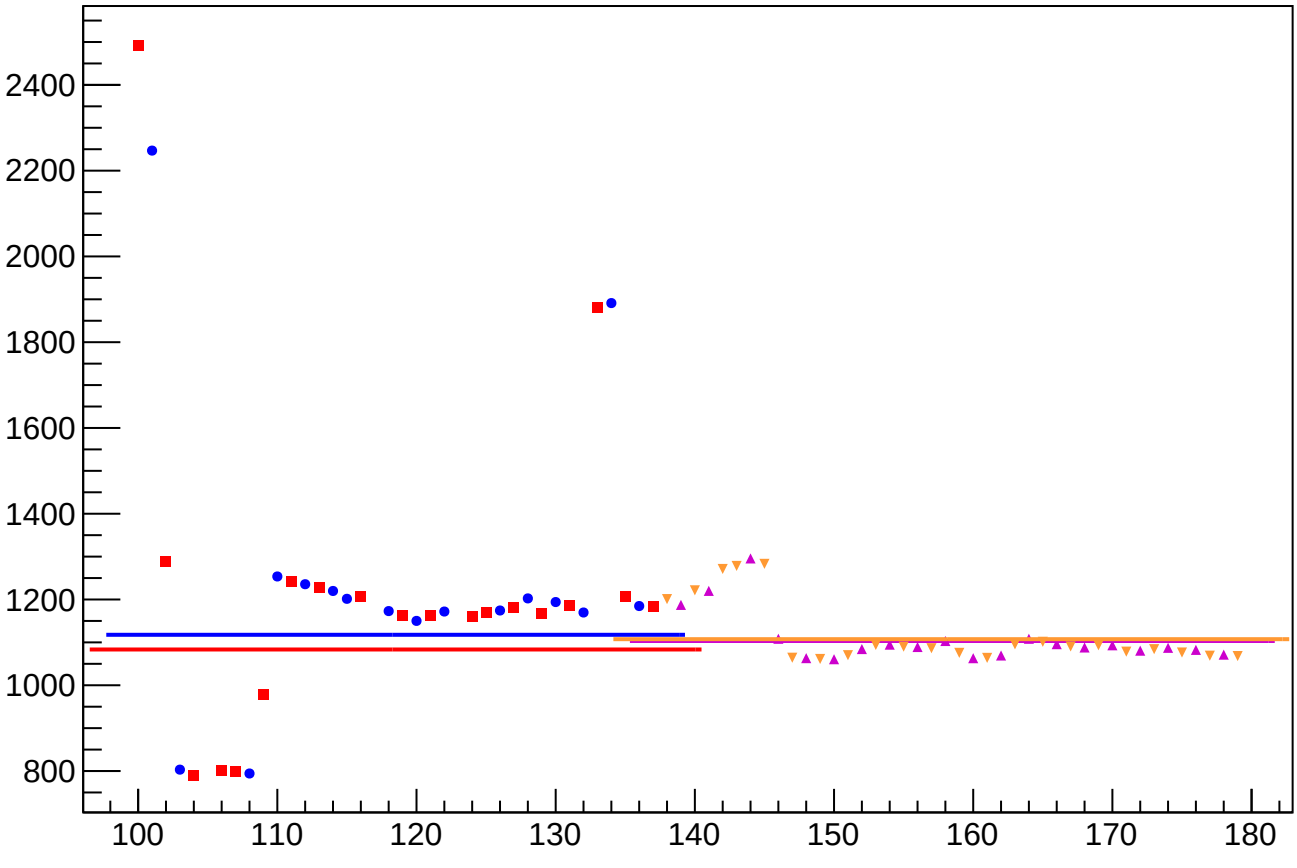
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3475.645+/-0.522 χ^2/NDF:2511329.7/35

Out: 3367.246+/-0.497 χ^2/NDF:3116695.5/40

All: 3418.805+/-0.360 χ^2/NDF: 5650639.7/76


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 453.429+/-265.284 χ²/NDF:41.0/21
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -458.334+/-273.219 χ²/NDF:13.3/19
Left: 10.979+/-190.328 χ²/NDF: 60.0/41
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -537.927+/-230.200 χ²/NDF:25.3/35
Out: 286.420+/-222.957 χ²/NDF:55.5/40
All: -112.582+/-160.154 χ²/NDF: 87.4/76



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1107.465+/-0.188 χ^2/NDF:120286.1/21

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1103.266+/-0.193 χ^2/NDF:78208.2/19

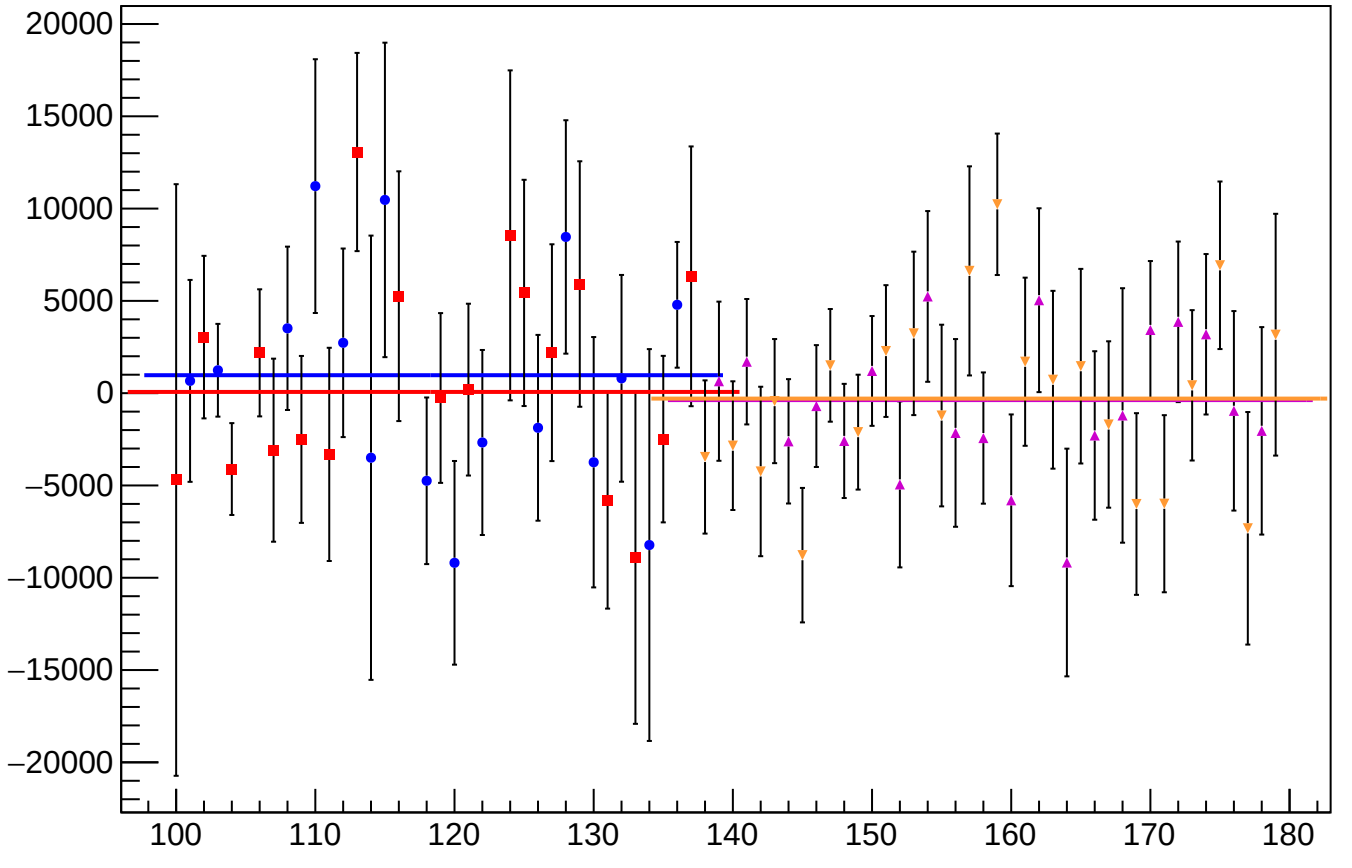
Left: 1105.427+/-0.135 χ^2/NDF: 198737.4/41

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1107.449+/-0.163 χ^2/NDF:899655.8/35

Out: 1100.385+/-0.158 χ^2/NDF:720140.2/40

All: 1103.802+/-0.113 χ^2/NDF: 1620768.2/76



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -294.349+/-894.138 χ^2/NDF:25.5/21

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -375.066+/-921.667 χ^2/NDF:12.2/19

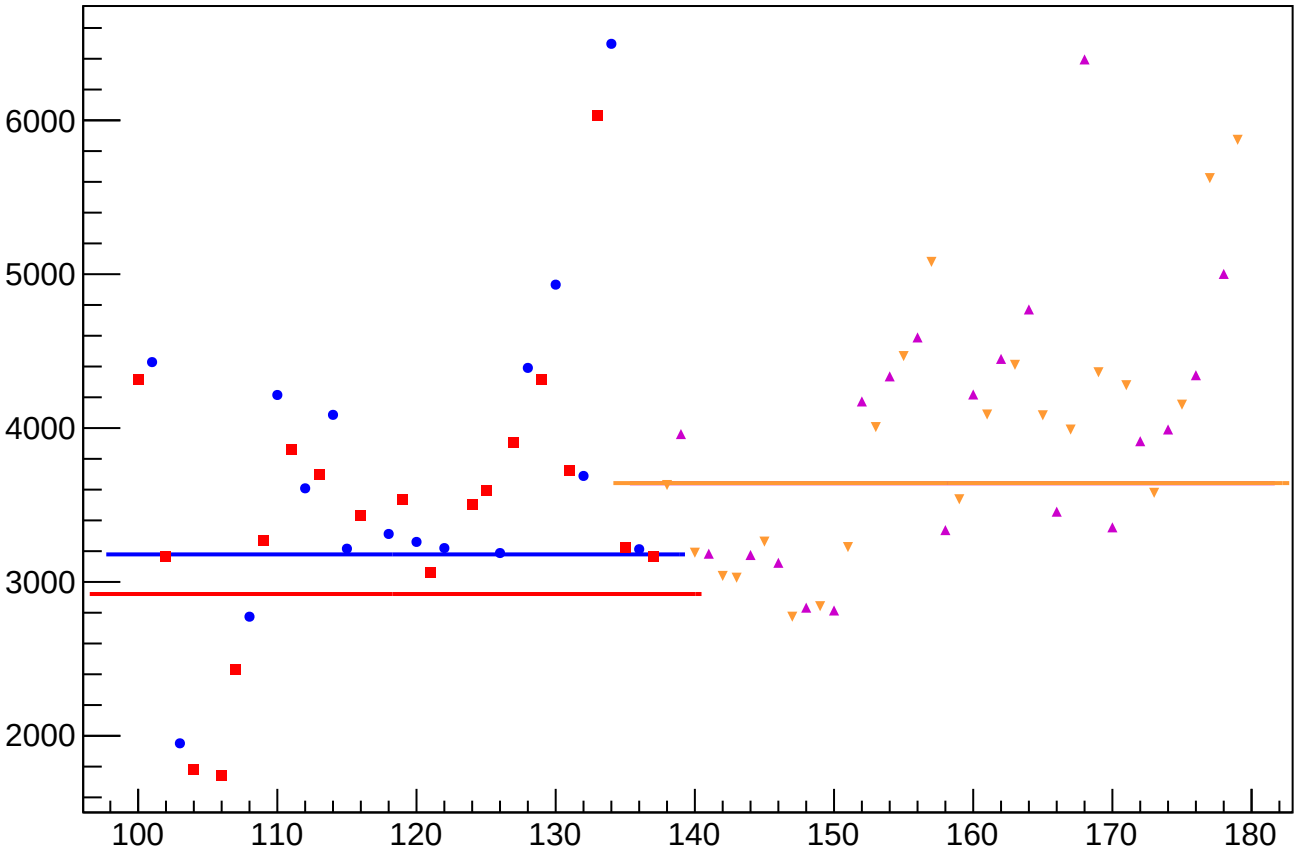
Left: -333.484+/-641.762 χ^2/NDF: 37.7/41

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 108.356+/-738.176 χ^2/NDF:26.7/35

Out: -156.362+/-703.053 χ^2/NDF:42.5/40

All: -30.451+/-509.098 χ^2/NDF: 69.3/76



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3642.388+/-0.632 χ^2/NDF:1307715.3/21

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

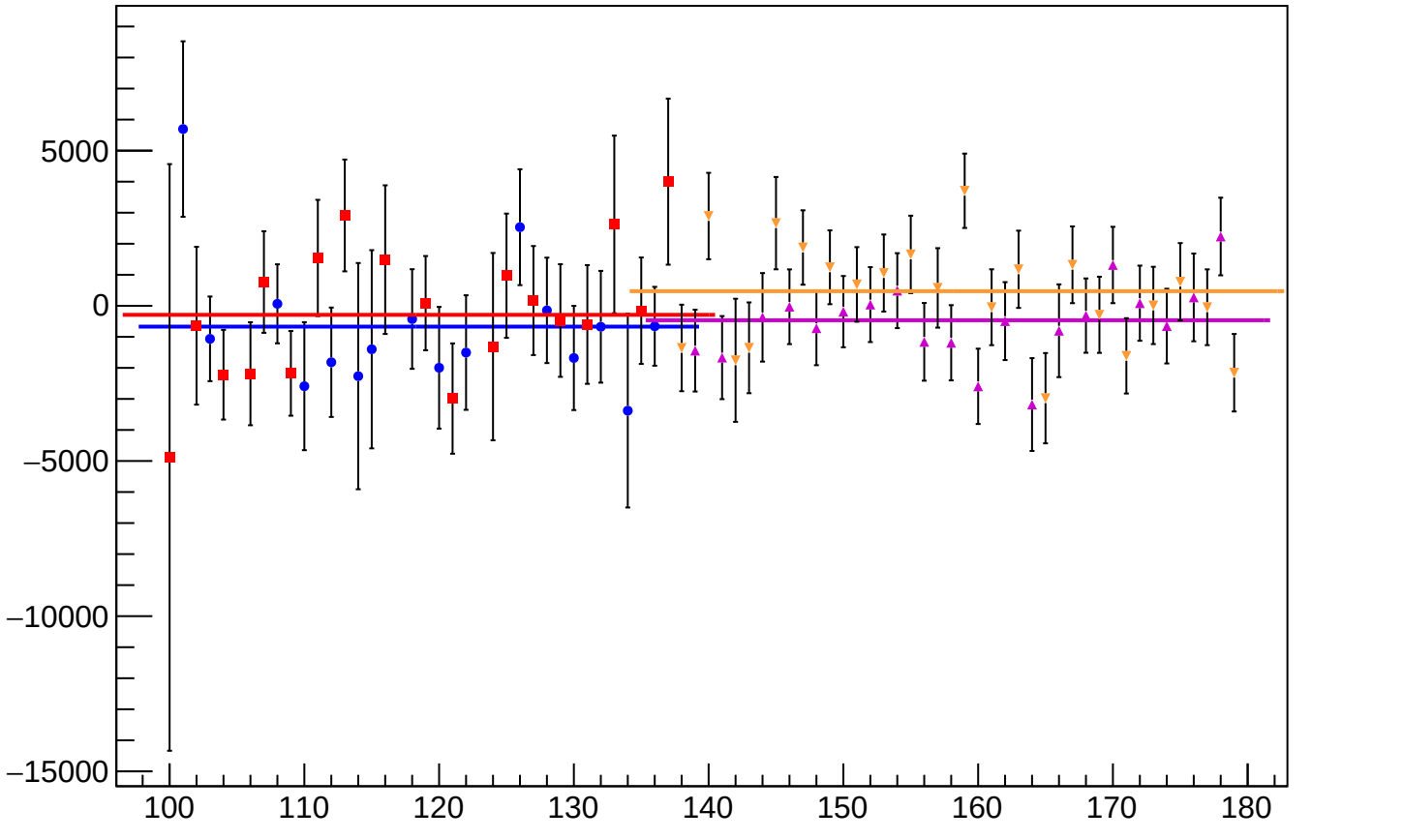
Left: 3641.918+/-0.454 χ^2/NDF: 2547348.1/41

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3475.645+/-0.522 χ^2/NDF:2511329.7/35

Out: 3367.246+/-0.497 χ^2/NDF:3116695.5/40

All: 3418.805+/-0.360 χ^2/NDF: 5650639.7/76



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 471.077+/-274.385 χ^2/NDF:34.7/21

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -465.833+/-282.287 χ^2/NDF:16.8/19

Left: 15.918+/-196.754 χ^2/NDF: 57.1/41

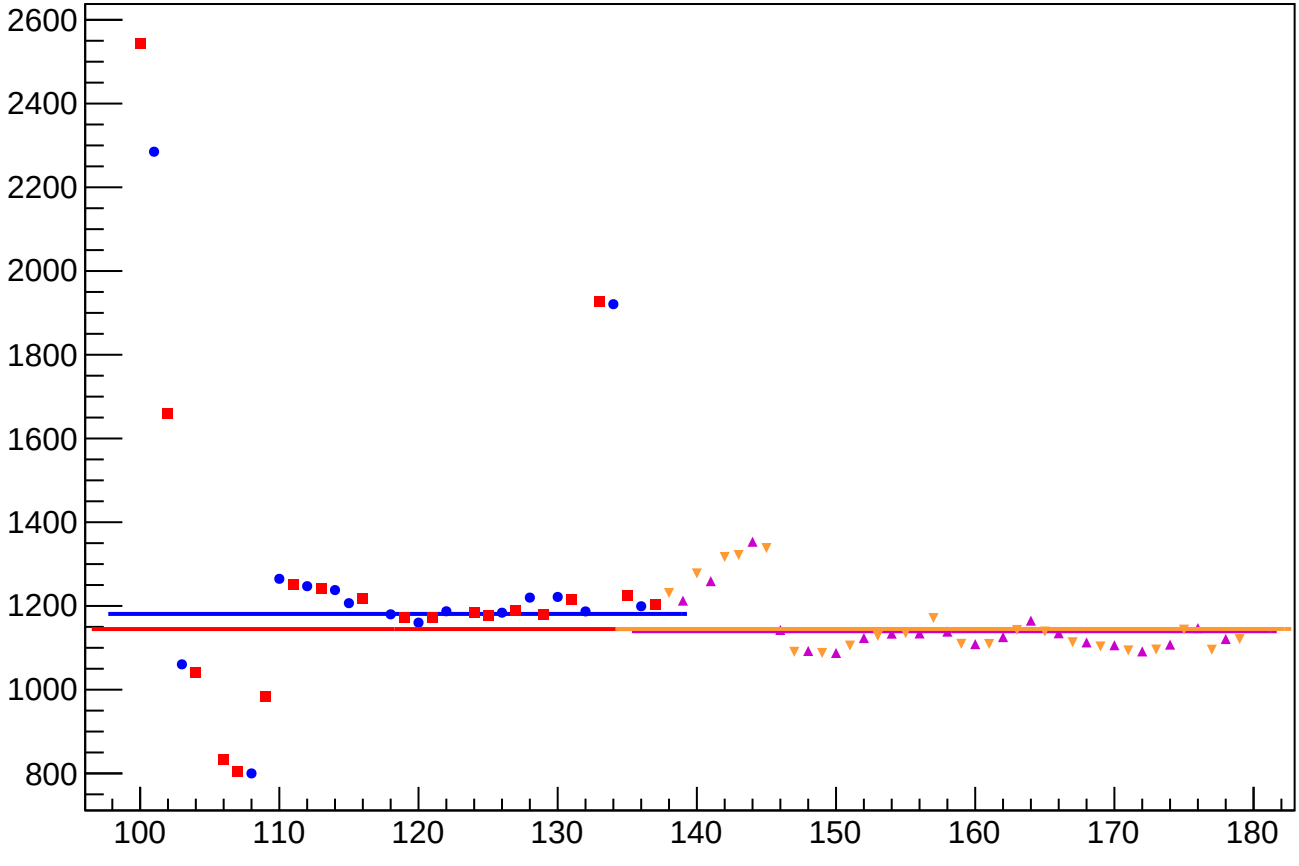
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -523.996+/-238.905 χ^2/NDF:28.8/35

Out: 253.955+/-231.987 χ^2/NDF:53.9/40

All: -123.594+/-166.431 χ^2/NDF: 88.1/76

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1145.040+/-0.194 χ^2/NDF:133955.8/21

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1139.623+/-0.200 χ^2/NDF:84398.2/19

Left: 1142.408+/-0.139 χ^2/NDF: 218732.6/41

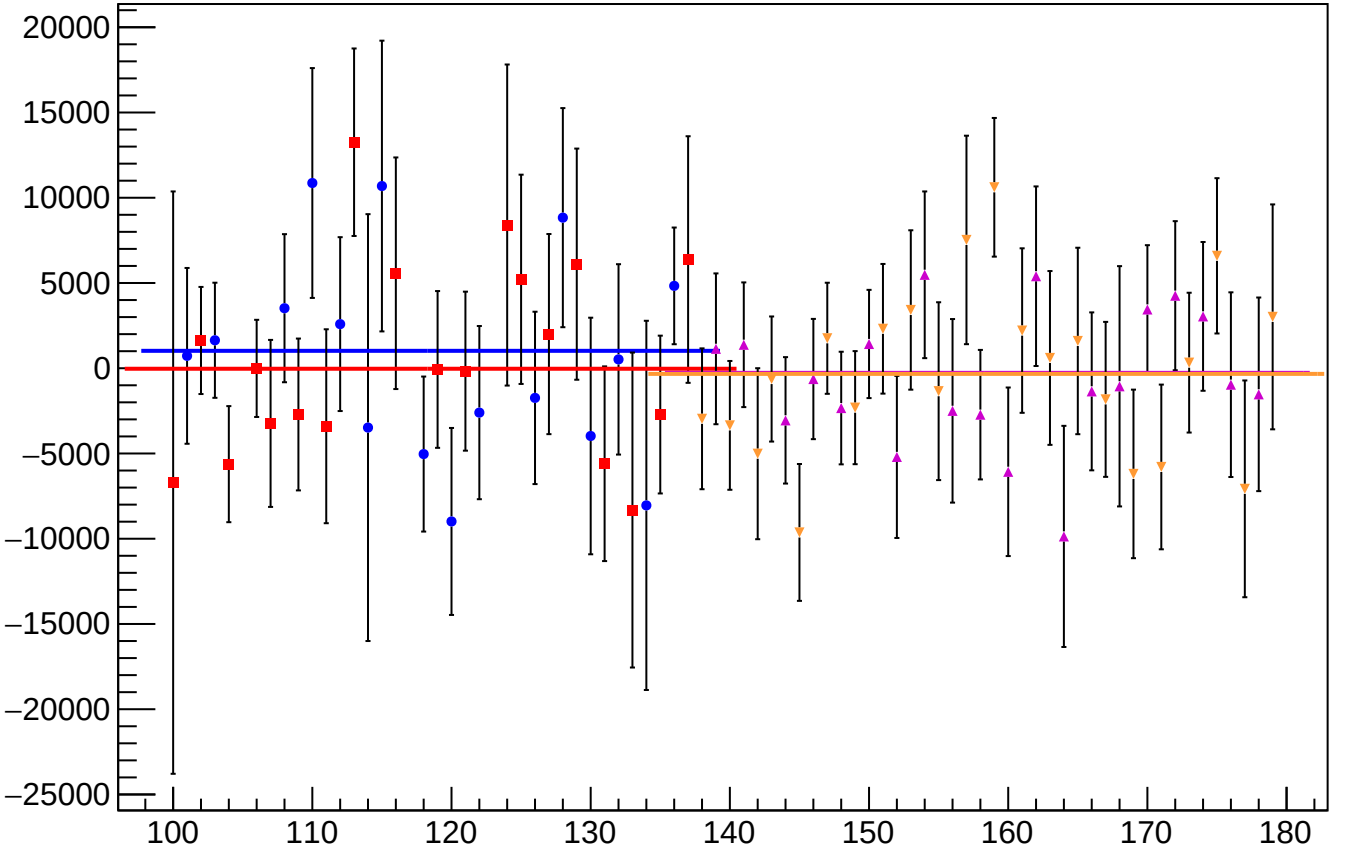
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1151.351+/-0.169 χ^2/NDF:718442.9/35

Out: 1144.964+/-0.164 χ^2/NDF:631687.0/40

All: 1148.063+/-0.118 χ^2/NDF: 1350865.5/76

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -331.155+/-940.151 χ^2/NDF:25.1/21

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -270.923+/-967.802 χ^2/NDF:12.1/19

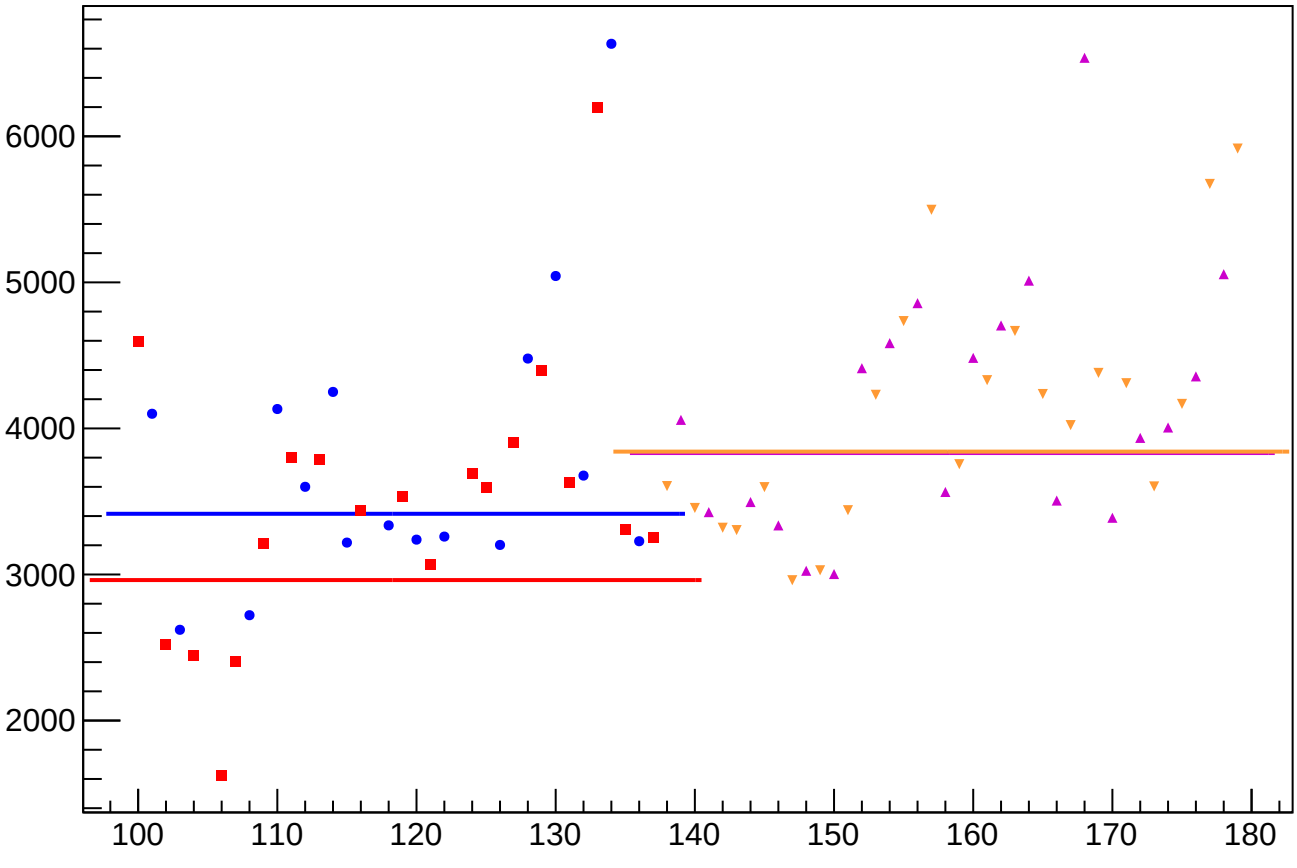
Left: -301.912+/-674.351 χ^2/NDF: 37.1/41

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 188.677+/-776.817 χ^2/NDF:26.6/35

Out: -208.116+/-722.915 χ^2/NDF:41.3/40

All: -23.963+/-529.208 χ^2/NDF: 68.0/76



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3841.280+/-0.665 χ^2/NDF:1118152.1/21

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3831.556+/-0.684 χ^2/NDF:1105244.7/19

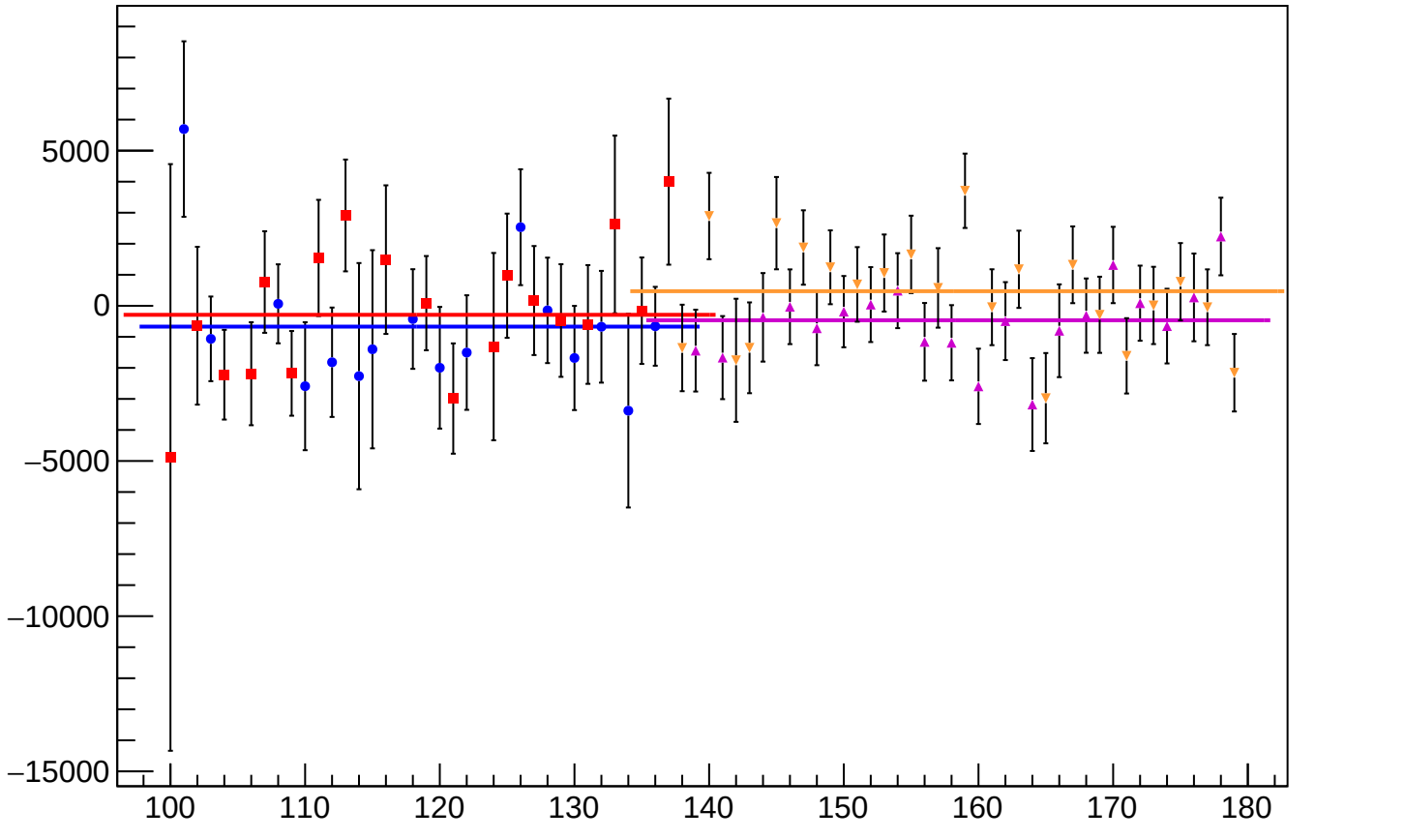
Left: 3836.559+/-0.477 χ^2/NDF: 2223500.7/41

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3683.584+/-0.549 χ^2/NDF:1829017.3/35

Out: 3481.801+/-0.511 χ^2/NDF:3002786.9/40

All: 3575.449+/-0.374 χ^2/NDF: 4904121.0/76



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 471.082+/-274.385 χ^2/NDF:34.7/21

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -465.834+/-282.287 χ^2/NDF:16.8/19

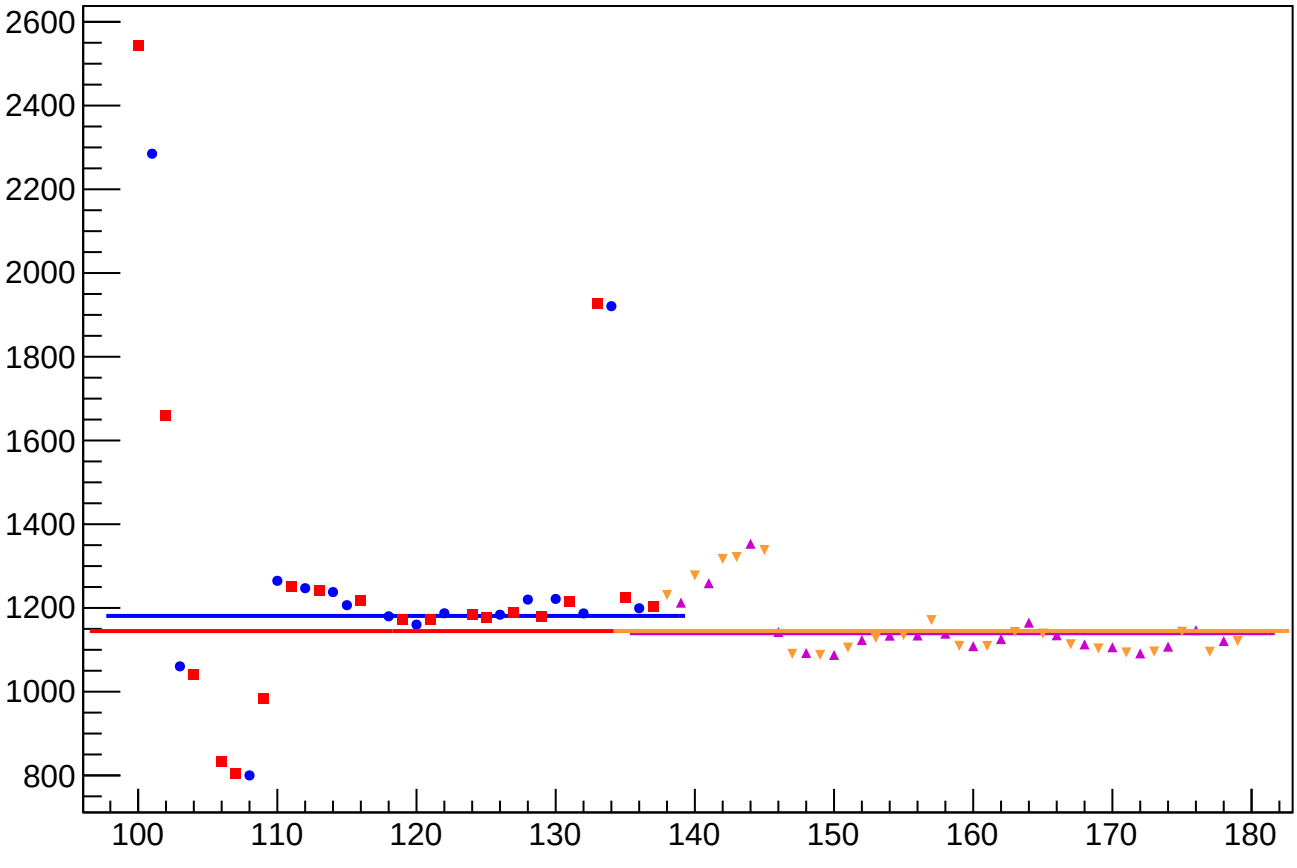
Left: 15.920+/-196.754 χ^2/NDF: 57.1/41

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -523.998+/-238.905 χ^2/NDF:28.8/35

Out: 253.957+/-231.987 χ^2/NDF:53.9/40

All: -123.594+/-166.432 χ^2/NDF: 88.1/76



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1145.040+/-0.194 χ^2/NDF:133956.0/21

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1139.624+/-0.200 χ^2/NDF:84398.0/19

Left: 1142.409+/-0.139 χ^2/NDF: 218732.5/41

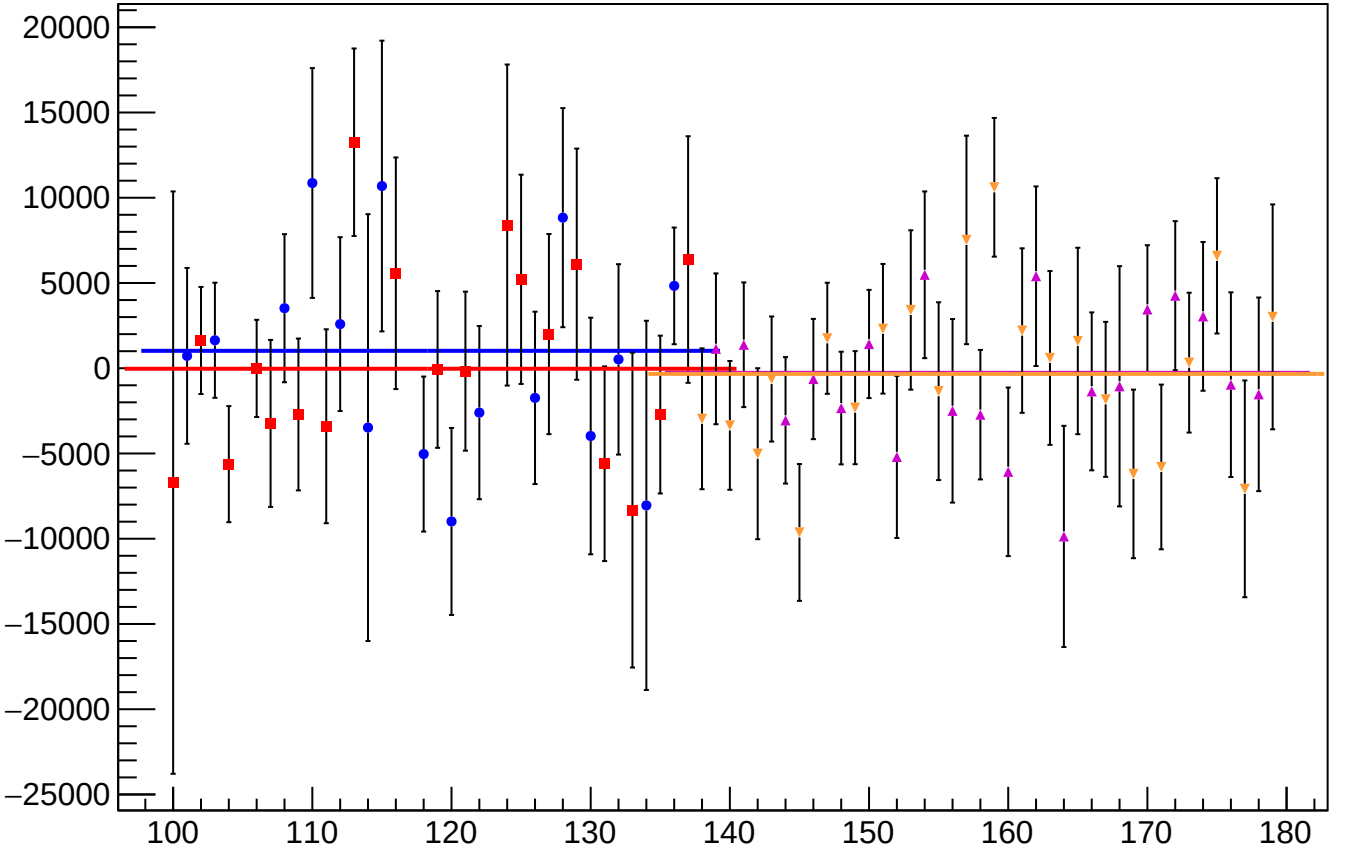
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1151.351+/-0.169 χ^2/NDF:718442.4/35

Out: 1144.965+/-0.164 χ^2/NDF:631686.7/40

All: 1148.064+/-0.118 χ^2/NDF: 1350864.8/76

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -331.155+/-940.153 χ^2/NDF:25.1/21

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -270.921+/-967.803 χ^2/NDF:12.1/19

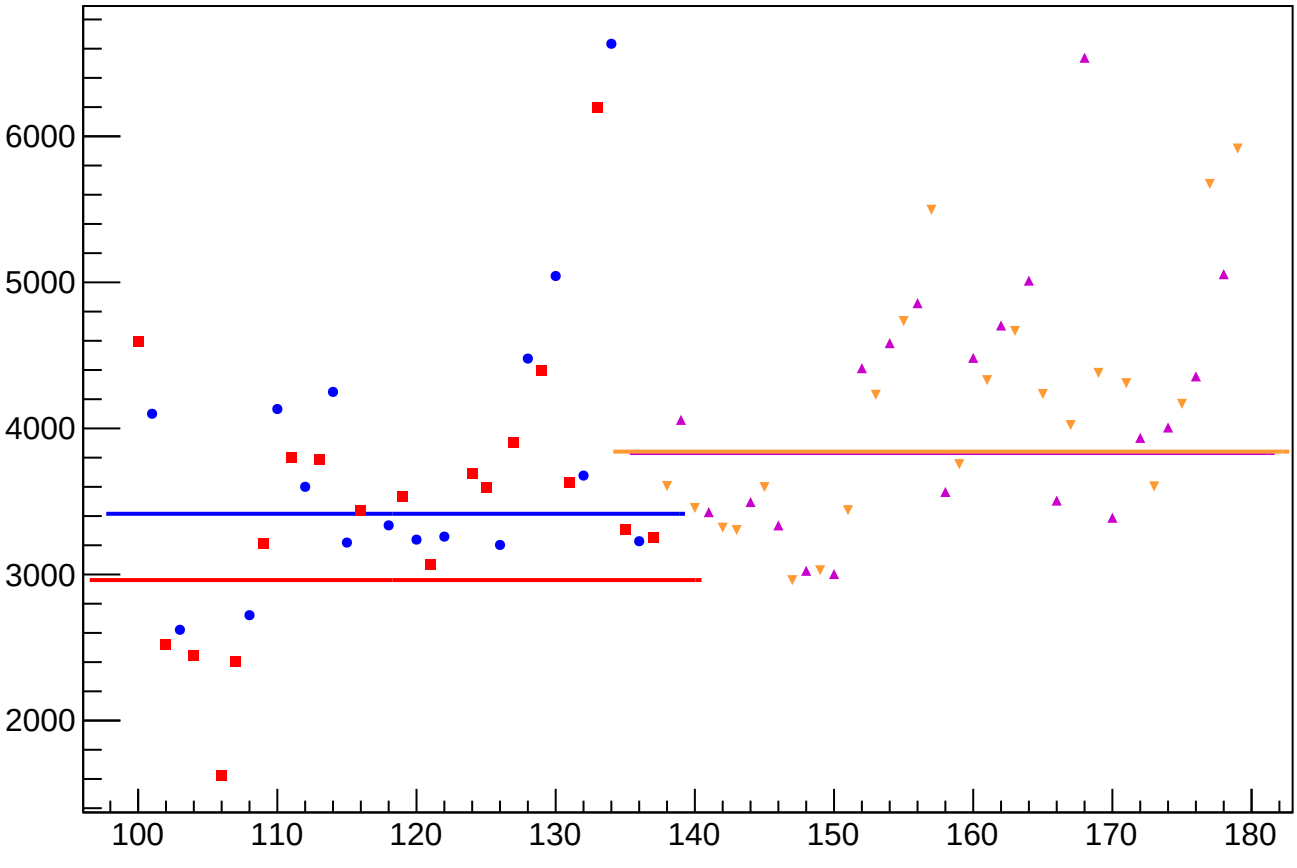
Left: -301.911+/-674.352 χ^2/NDF: 37.1/41

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 188.673+/-776.817 χ^2/NDF:26.6/35

Out: -208.118+/-722.915 χ^2/NDF:41.3/40

All: -23.965+/-529.209 χ^2/NDF: 68.0/76



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3841.286+/-0.665 χ^2/NDF:1118153.8/21

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3831.561+/-0.684 χ^2/NDF:1105246.6/19

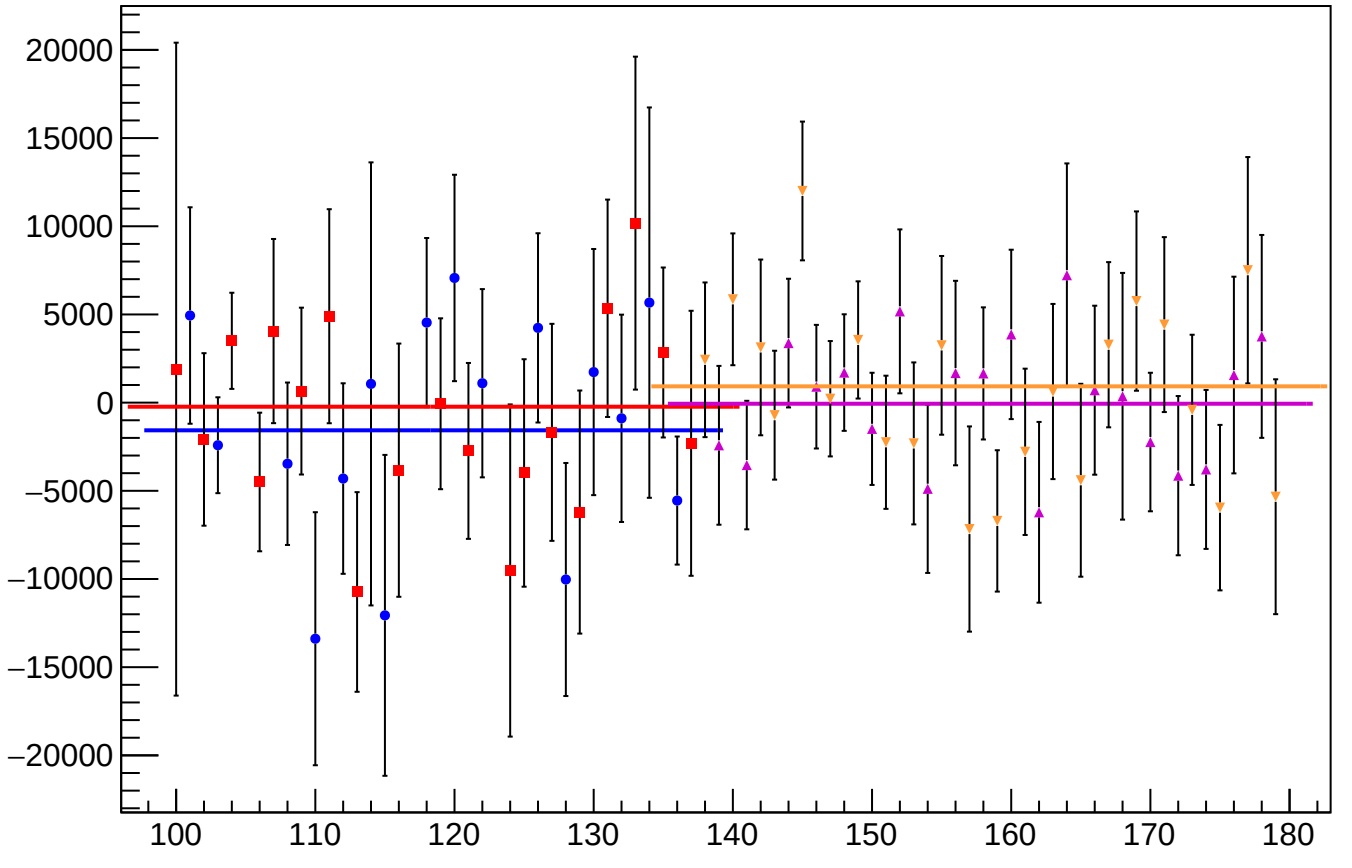
Left: 3836.564+/-0.477 χ^2/NDF: 2223504.3/41

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3683.585+/-0.549 χ^2/NDF:1829019.7/35

Out: 3481.801+/-0.511 χ^2/NDF:3002805.8/40

All: 3575.450+/-0.374 χ^2/NDF: 4904143.4/76



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 923.559+/-941.917 χ^2/NDF:25.2/21

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -62.849+/-968.739 χ^2/NDF:11.0/19

Left: 444.200+/-675.319 χ^2/NDF: 36.8/41

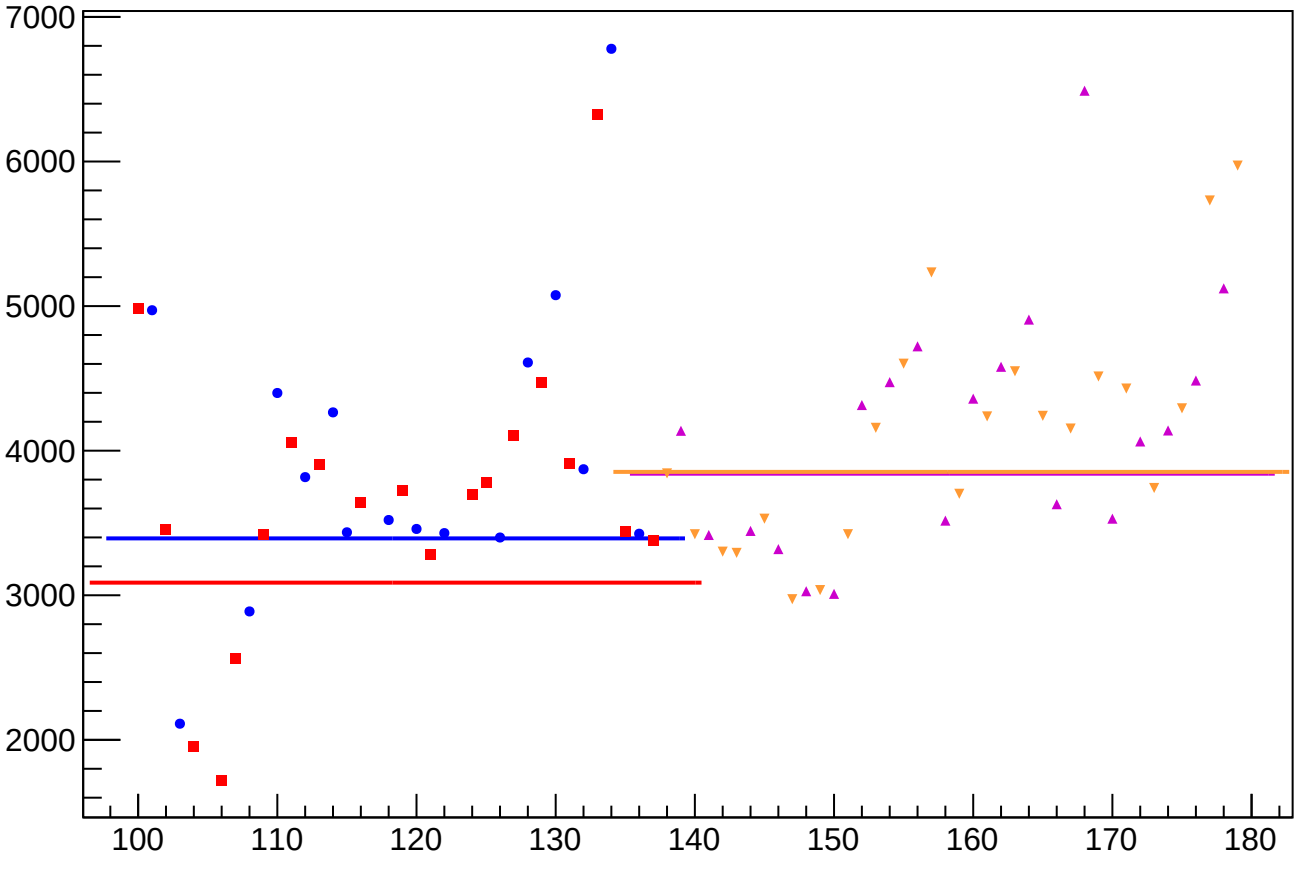
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -594.057+/-779.517 χ^2/NDF:26.4/35

Out: 494.231+/-746.547 χ^2/NDF:39.0/40

All: -26.412+/-539.167 χ^2/NDF: 66.4/76

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3853.385+/-0.666 χ^2/NDF:1095579.5/21

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3840.796+/-0.685 χ^2/NDF:1053574.3/19

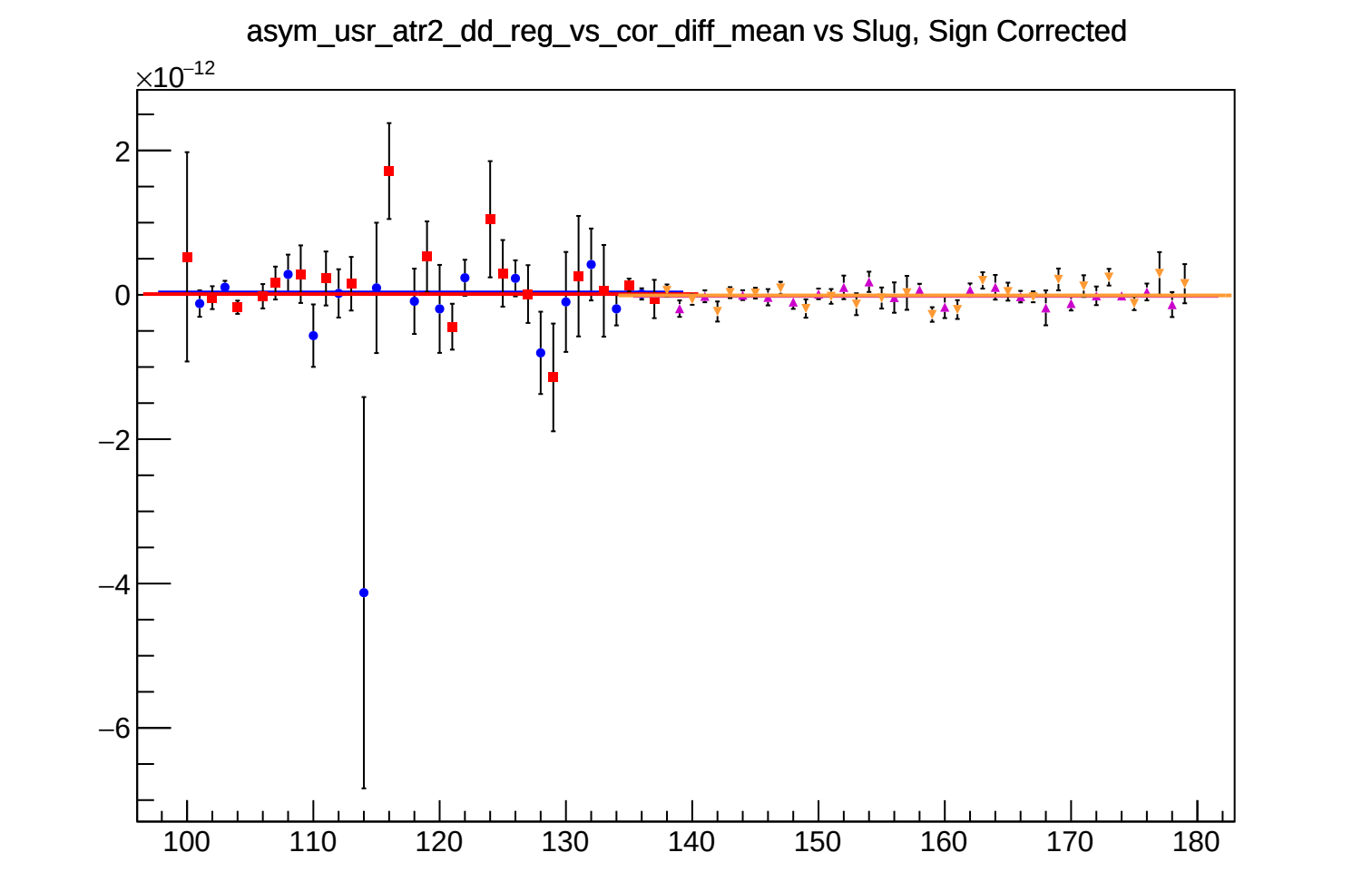
Left: 3847.267+/-0.478 χ^2/NDF: 2149327.4/41

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3683.075+/-0.551 χ^2/NDF:2252676.2/35

Out: 3562.476+/-0.525 χ^2/NDF:2926317.8/40

All: 3619.789+/-0.380 χ^2/NDF: 5204114.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/19

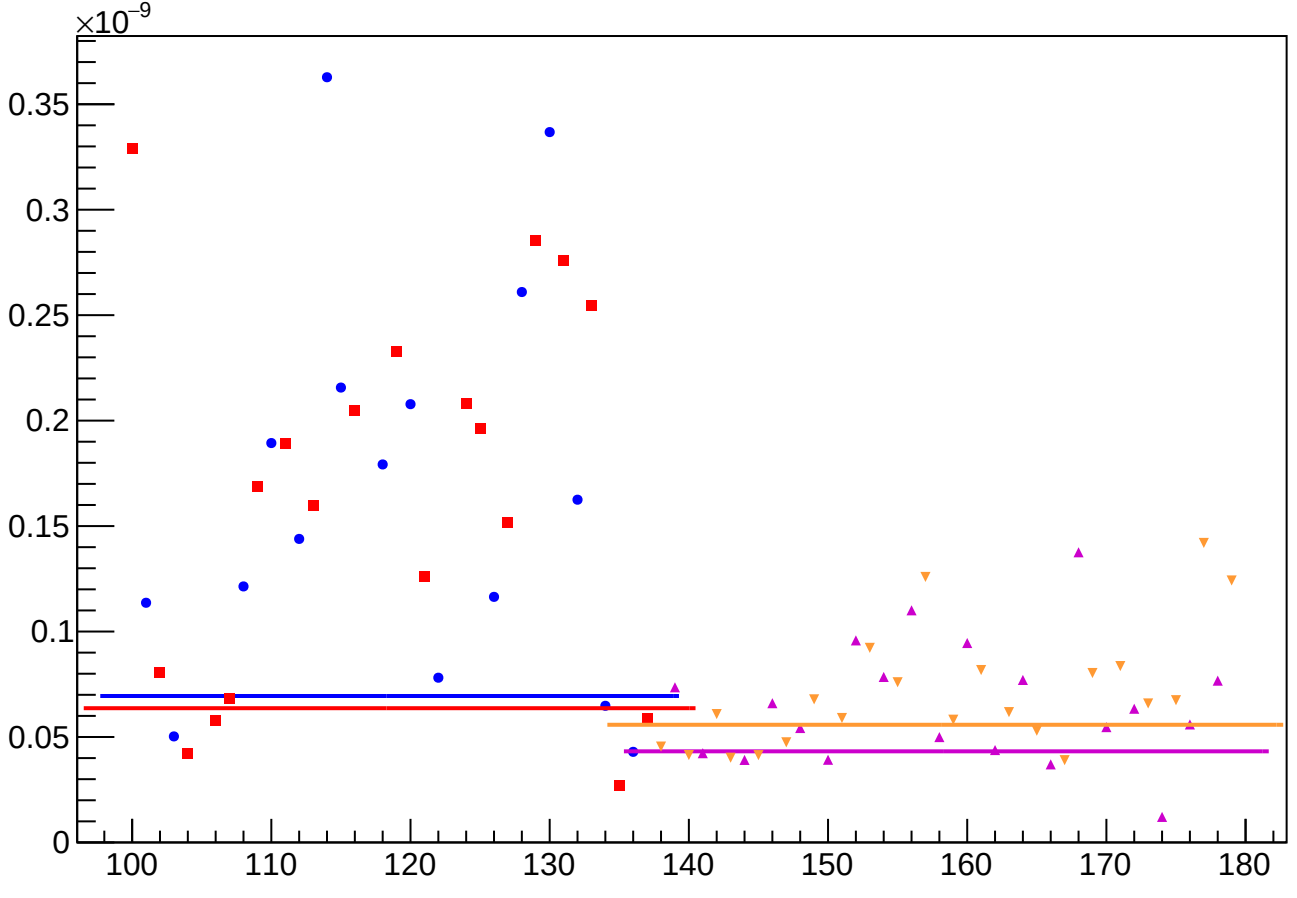
Left: -0.000+/-0.000 χ^2/NDF: 43.0/41

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:24.0/35

Out: -0.000+/-0.000 χ^2/NDF:53.5/40

All: -0.000+/-0.000 χ^2/NDF: 77.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1290810.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2750984.0/19

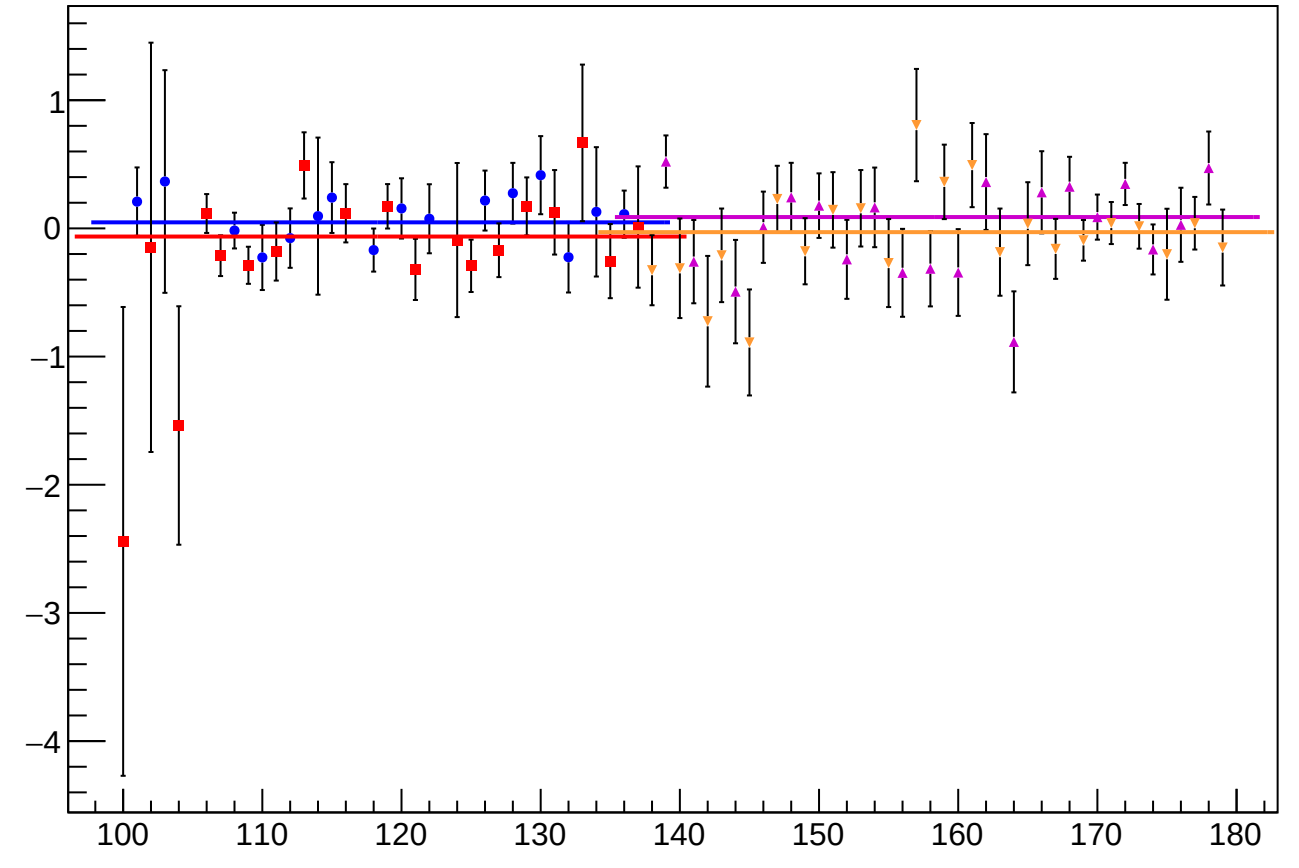
Left: 0.000+/-0.000 χ^2/NDF: 4371679.3/41

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4966428.7/35

Out: 0.000+/-0.000 χ^2/NDF:3582607.4/40

All: 0.000+/-0.000 χ^2/NDF: 8794701.5/76



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.088+/-0.058 χ^2/NDF:28.6/19

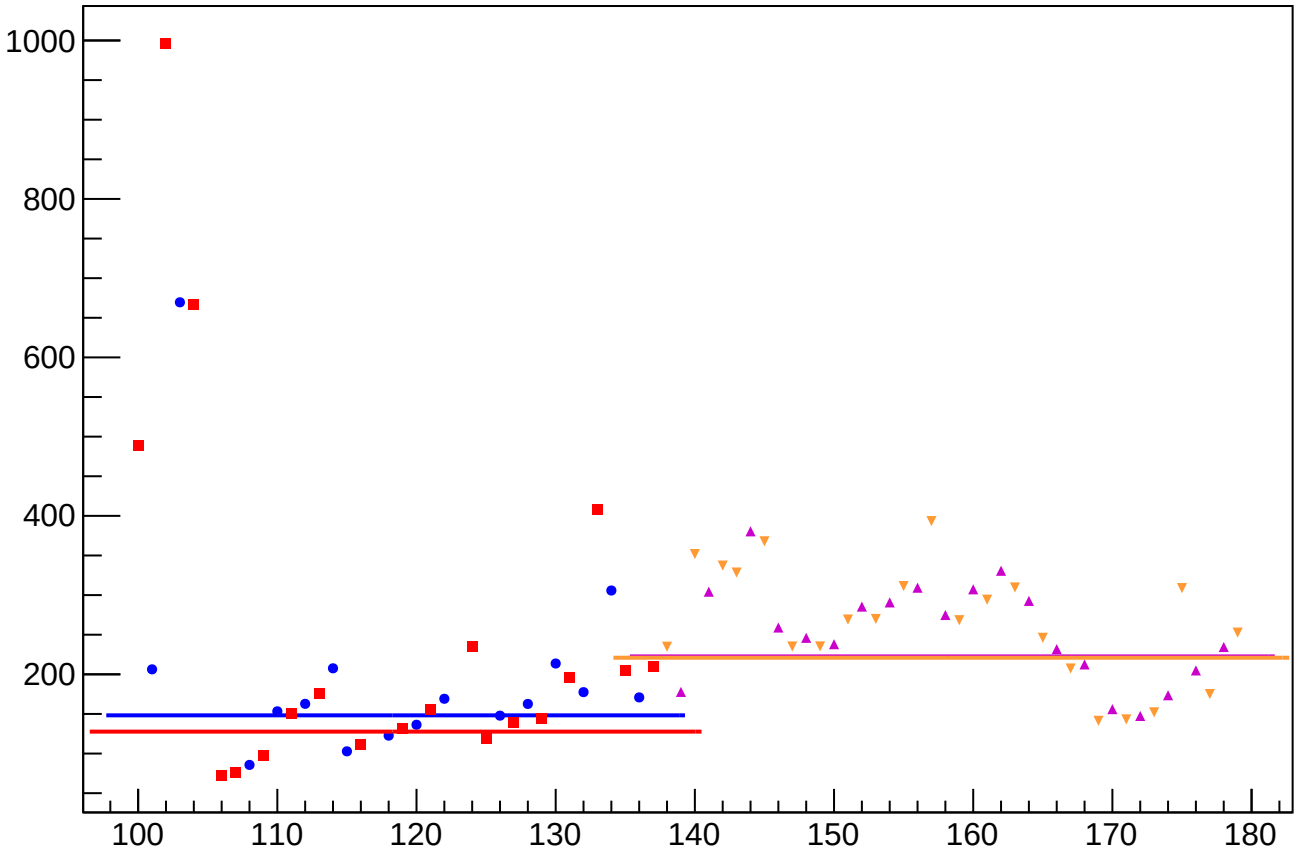
Left: 0.028+/-0.041 χ^2/NDF: 50.9/41

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.007+/-0.029 χ^2/NDF: 84.1/76



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.641+/-0.041 χ^2/NDF:2158674.6/19

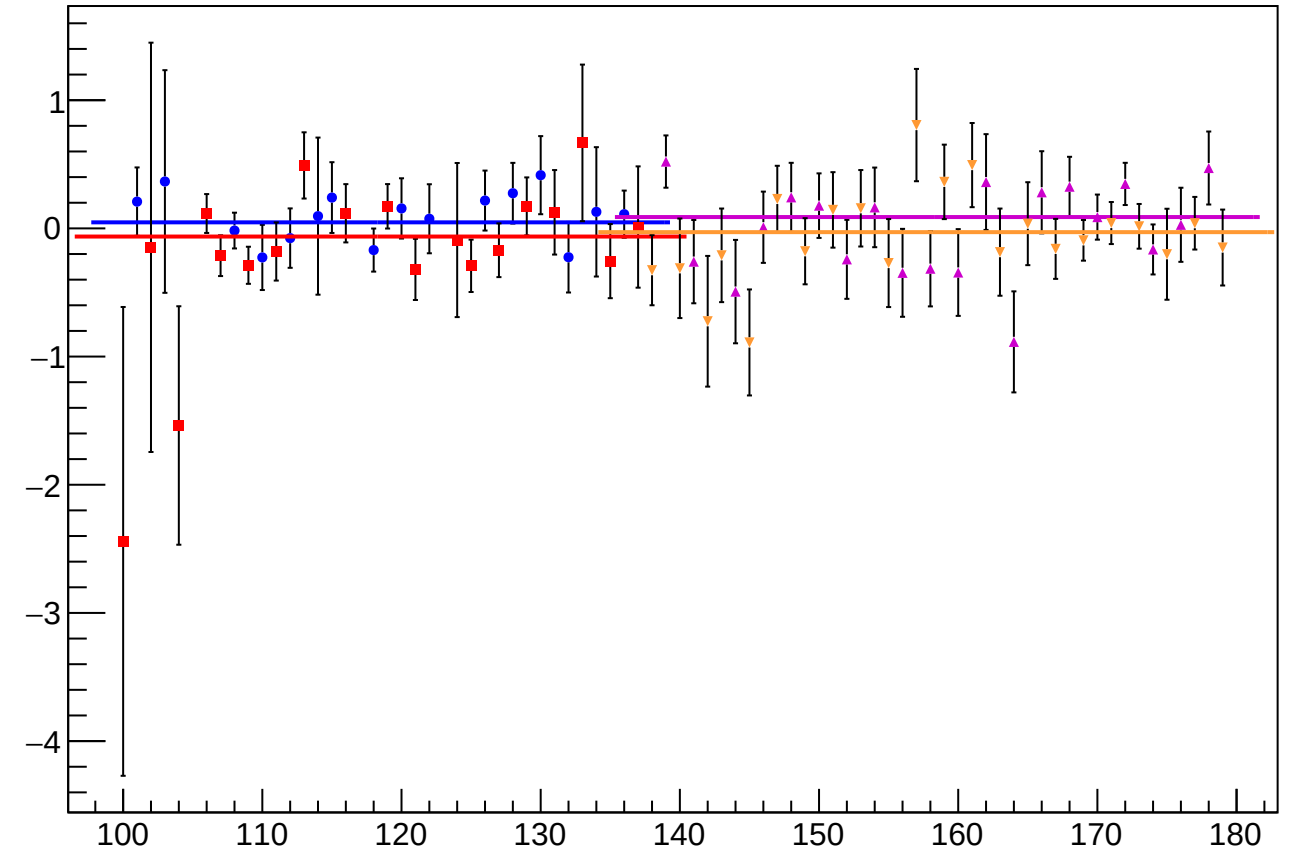
Left: 221.771+/-0.029 χ^2/NDF: 5311101.3/41

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 186.474+/-0.030 χ^2/NDF:5447547.7/35

Out: 172.851+/-0.028 χ^2/NDF:8812743.4/40

All: 179.228+/-0.020 χ^2/NDF: 14373009.3/76



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.088+/-0.058 χ^2/NDF:28.6/19

Left: 0.028+/-0.041 χ^2/NDF: 50.9/41

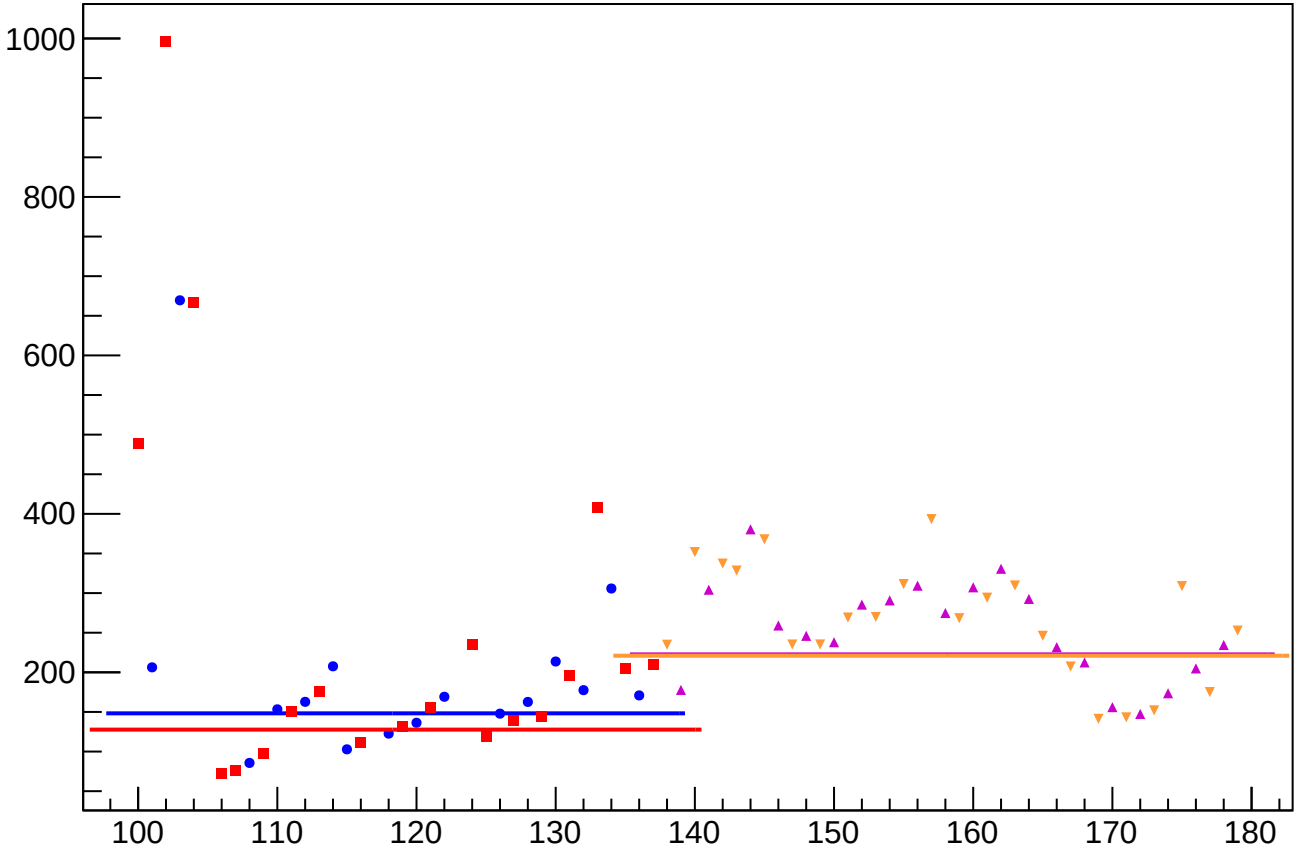
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.007+/-0.029 χ^2/NDF: 84.1/76

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 220.959+/-0.040 χ^2/NDF:3151568.8/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.641+/-0.041 χ^2/NDF:2158674.6/19

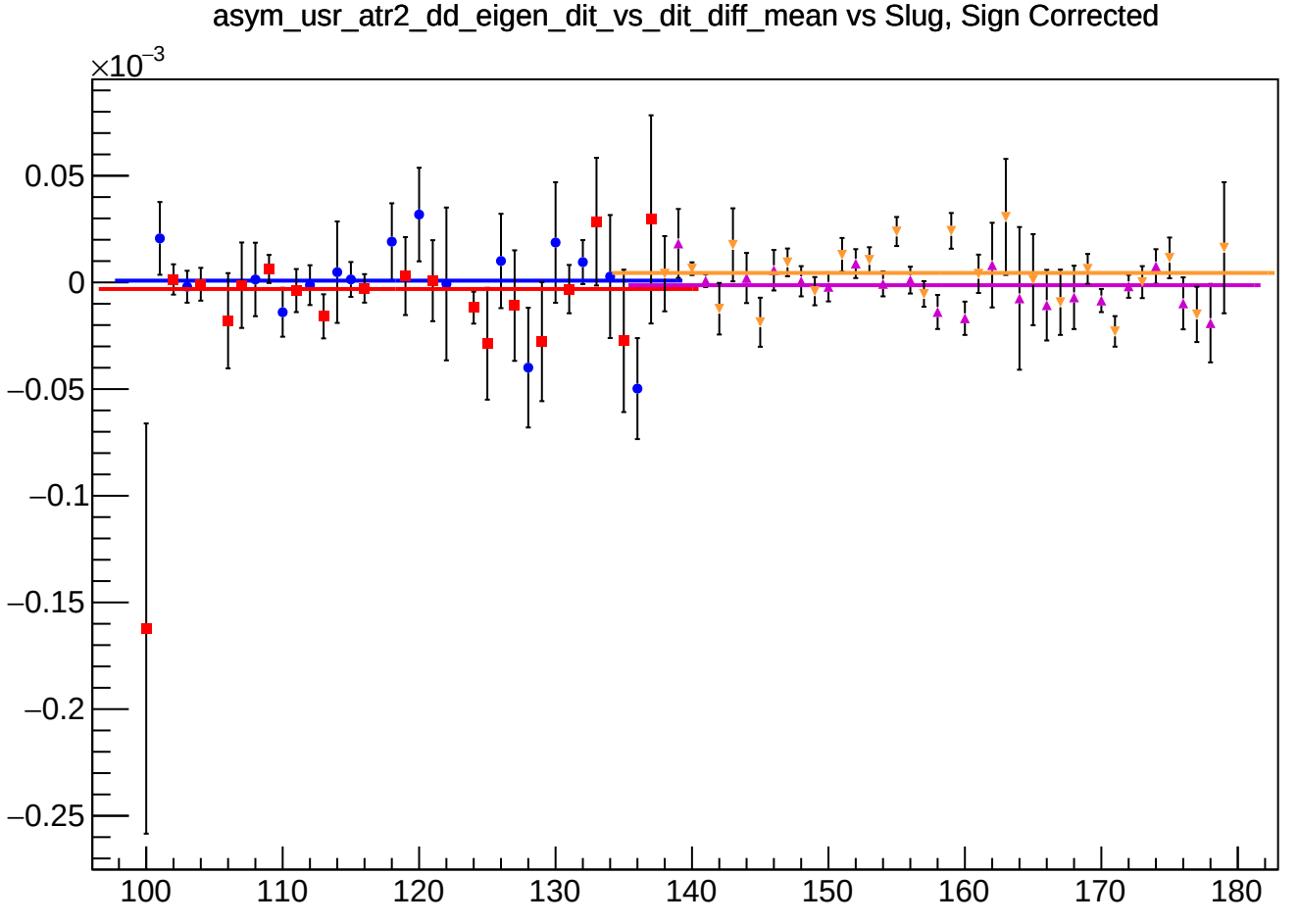
Left: 221.771+/-0.029 χ^2/NDF: 5311101.3/41

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 186.474+/-0.030 χ^2/NDF:5447547.7/35

Out: 172.851+/-0.028 χ^2/NDF:8812743.4/40

All: 179.228+/-0.020 χ^2/NDF: 14373009.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/19

Left: 0.000+/-0.000 χ^2/NDF: 70.5/41

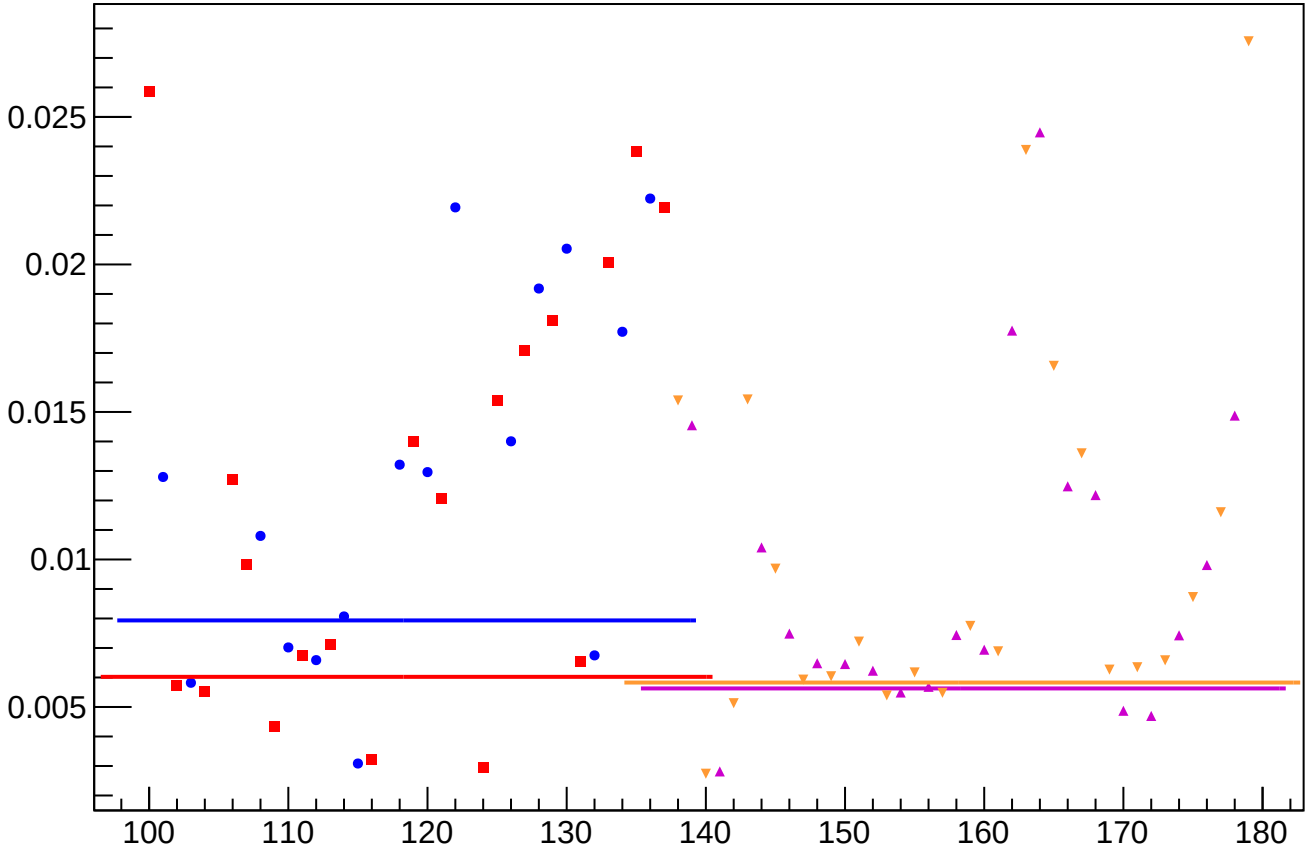
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:31.1/35

Out: 0.000+/-0.000 χ^2/NDF:66.2/40

All: 0.000+/-0.000 χ^2/NDF: 100.1/76

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:7330430.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.006+/-0.000 χ^2/NDF:6063944.9/19

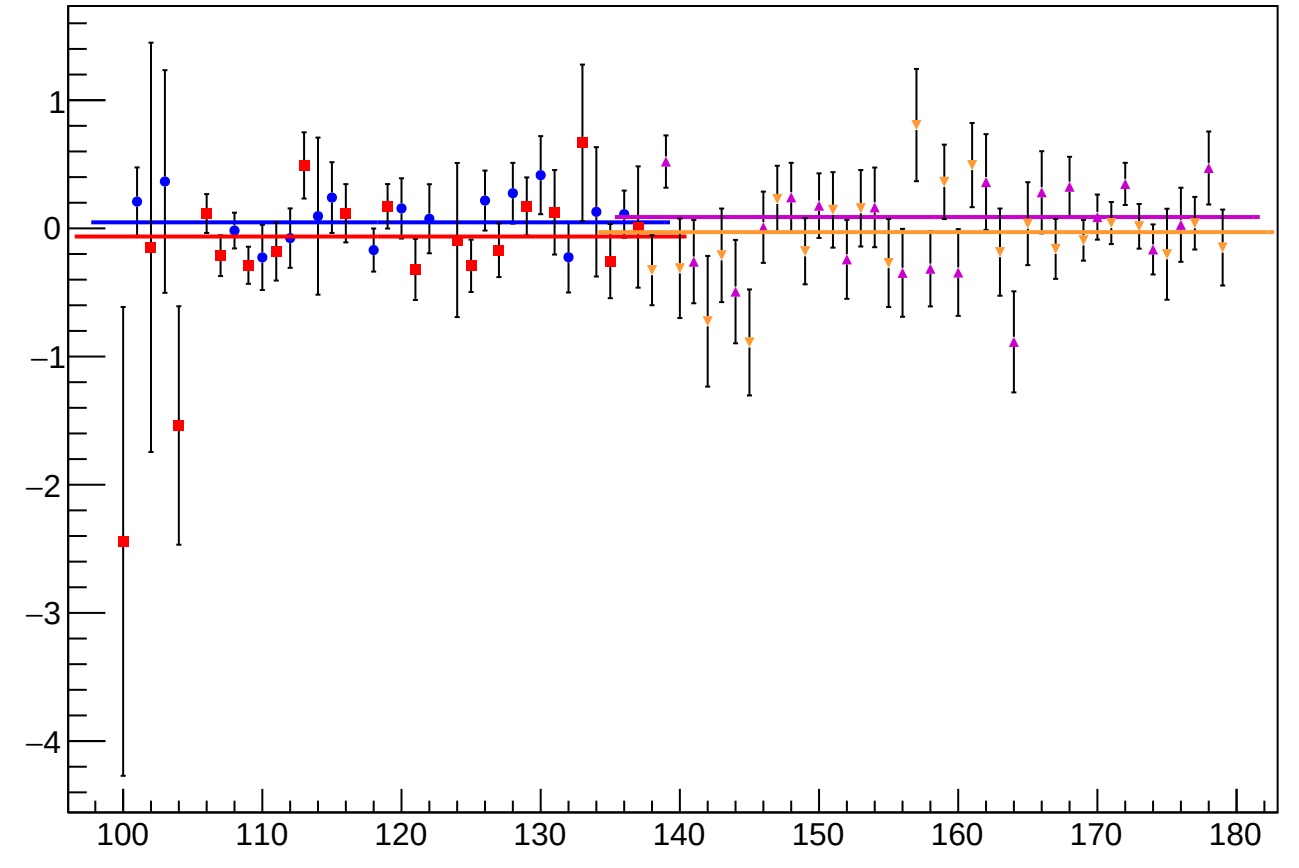
Left: 0.006+/-0.000 χ^2/NDF: 13409752.0/41

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:10371781.4/35

Out: 0.006+/-0.000 χ^2/NDF:11347848.8/40

All: 0.006+/-0.000 χ^2/NDF: 21731689.7/76



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.088+/-0.058 χ^2/NDF:28.6/19

Left: 0.028+/-0.041 χ^2/NDF: 50.9/41

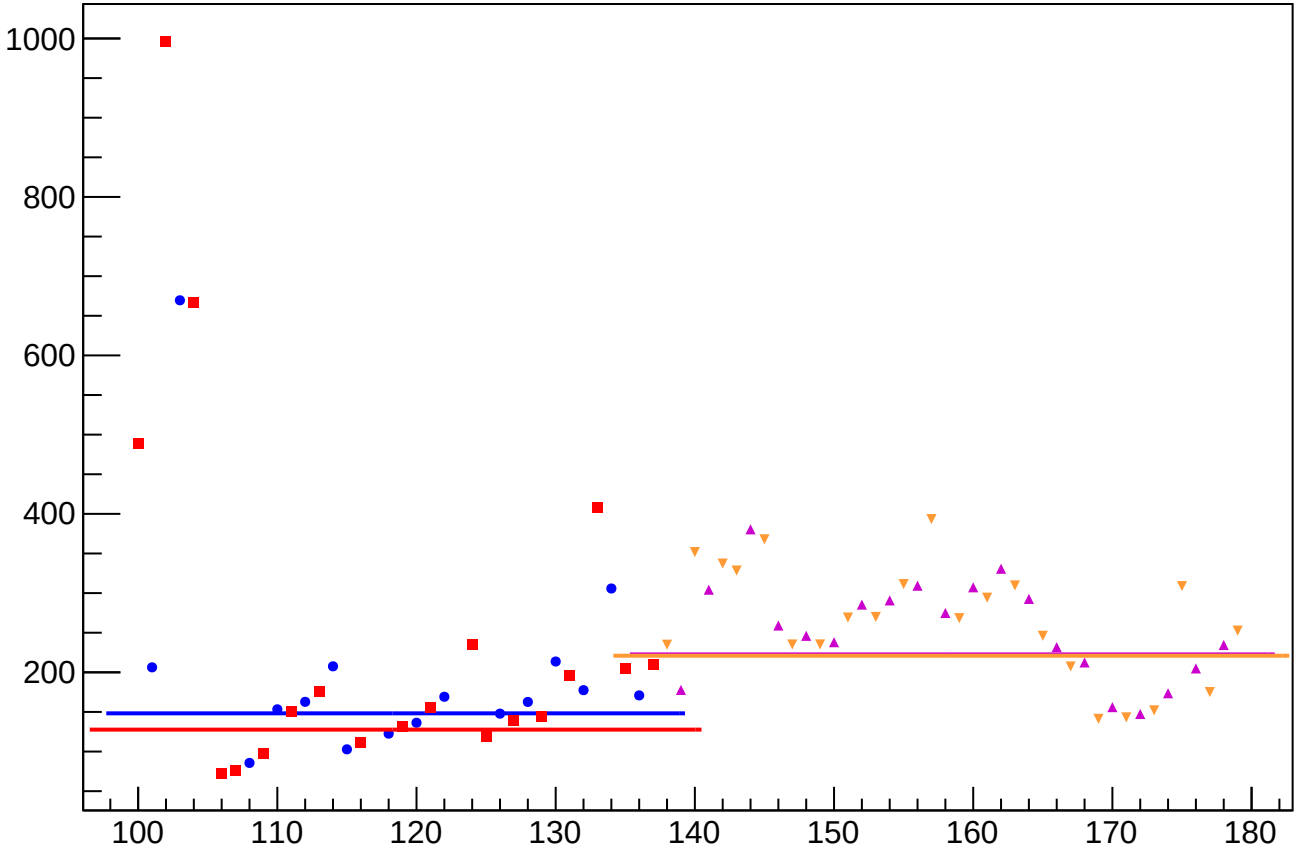
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.007+/-0.029 χ^2/NDF: 84.1/76

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 220.960+/-0.040 χ^2/NDF:3151676.9/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.642+/-0.041 χ^2/NDF:2158718.6/19

Left: 221.773+/-0.029 χ^2/NDF: 5311253.8/41

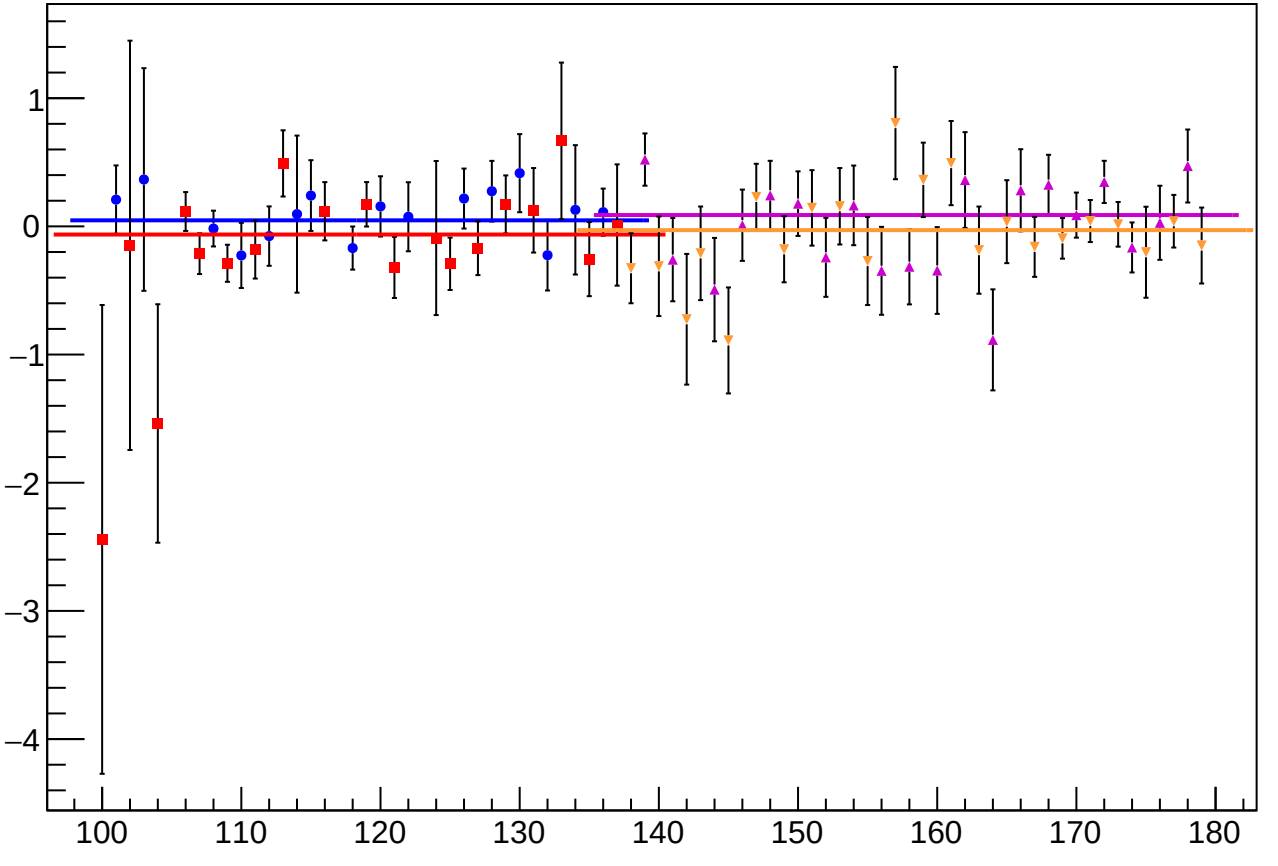
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 186.473+/-0.030 χ^2/NDF:5447849.9/35

Out: 172.852+/-0.028 χ^2/NDF:8812886.3/40

All: 179.228+/-0.020 χ^2/NDF: 14373430.8/76

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.029+/-0.056 χ^2/NDF:20.2/21

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.088+/-0.058 χ^2/NDF:28.6/19

Left: 0.028+/-0.041 χ^2/NDF: 50.9/41

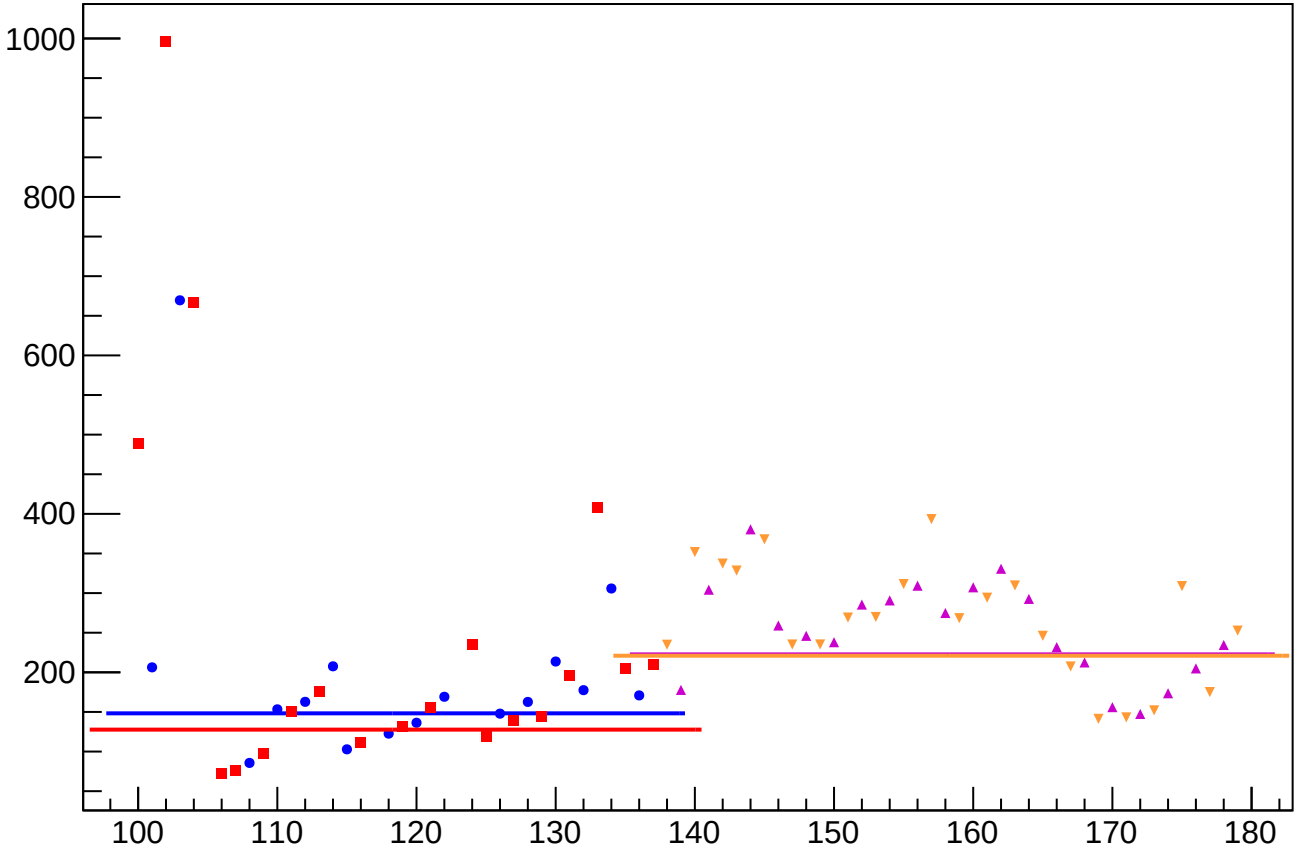
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.047+/-0.039 χ^2/NDF:42.6/40

All: 0.007+/-0.029 χ^2/NDF: 84.1/76

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 220.960+/-0.040 χ^2/NDF:3151676.9/21

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.642+/-0.041 χ^2/NDF:2158718.6/19

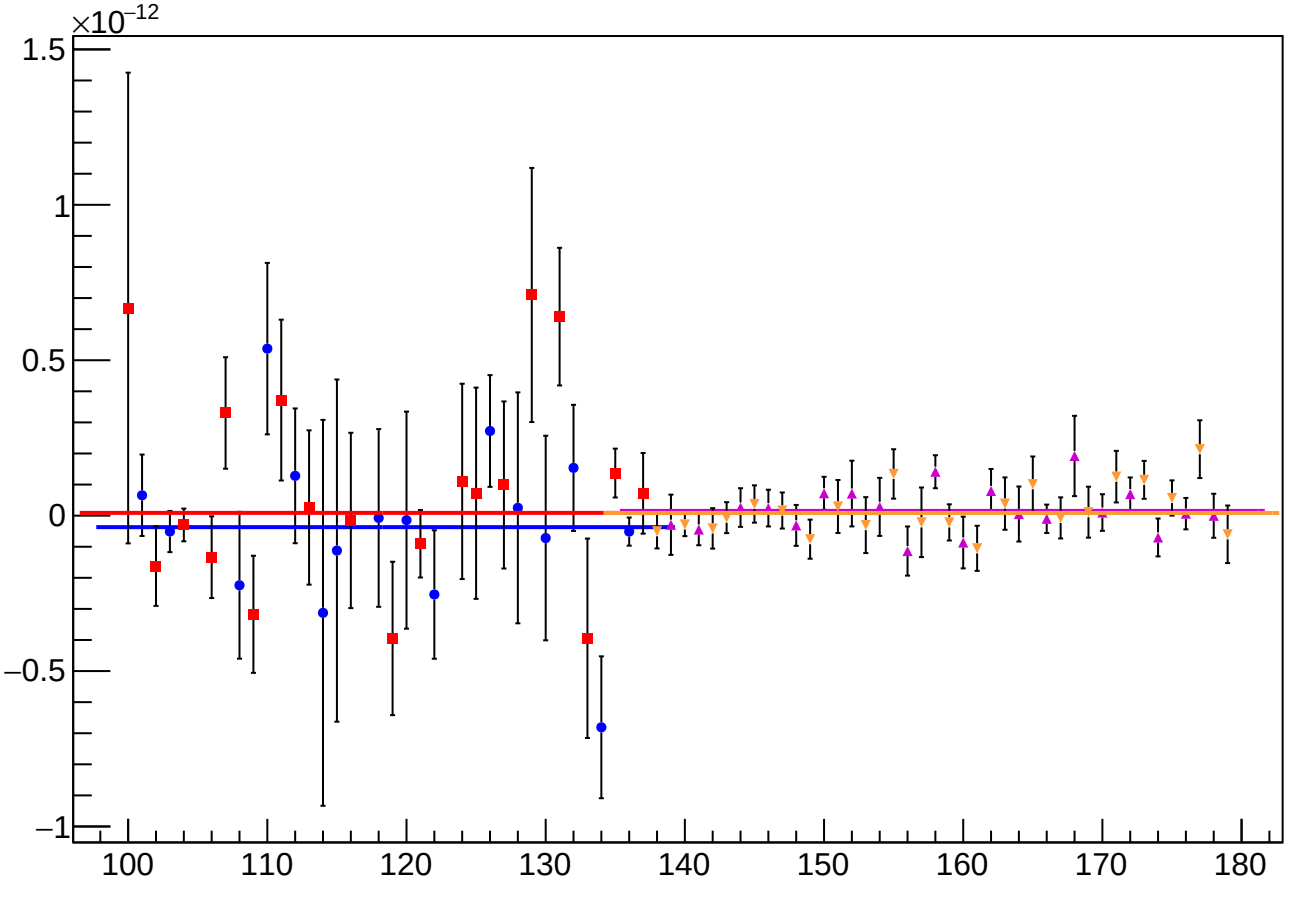
Left: 221.773+/-0.029 χ^2/NDF: 5311253.8/41

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 186.473+/-0.030 χ^2/NDF:5447849.9/35

Out: 172.852+/-0.028 χ^2/NDF:8812886.3/40

All: 179.228+/-0.020 χ^2/NDF: 14373430.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.5/19

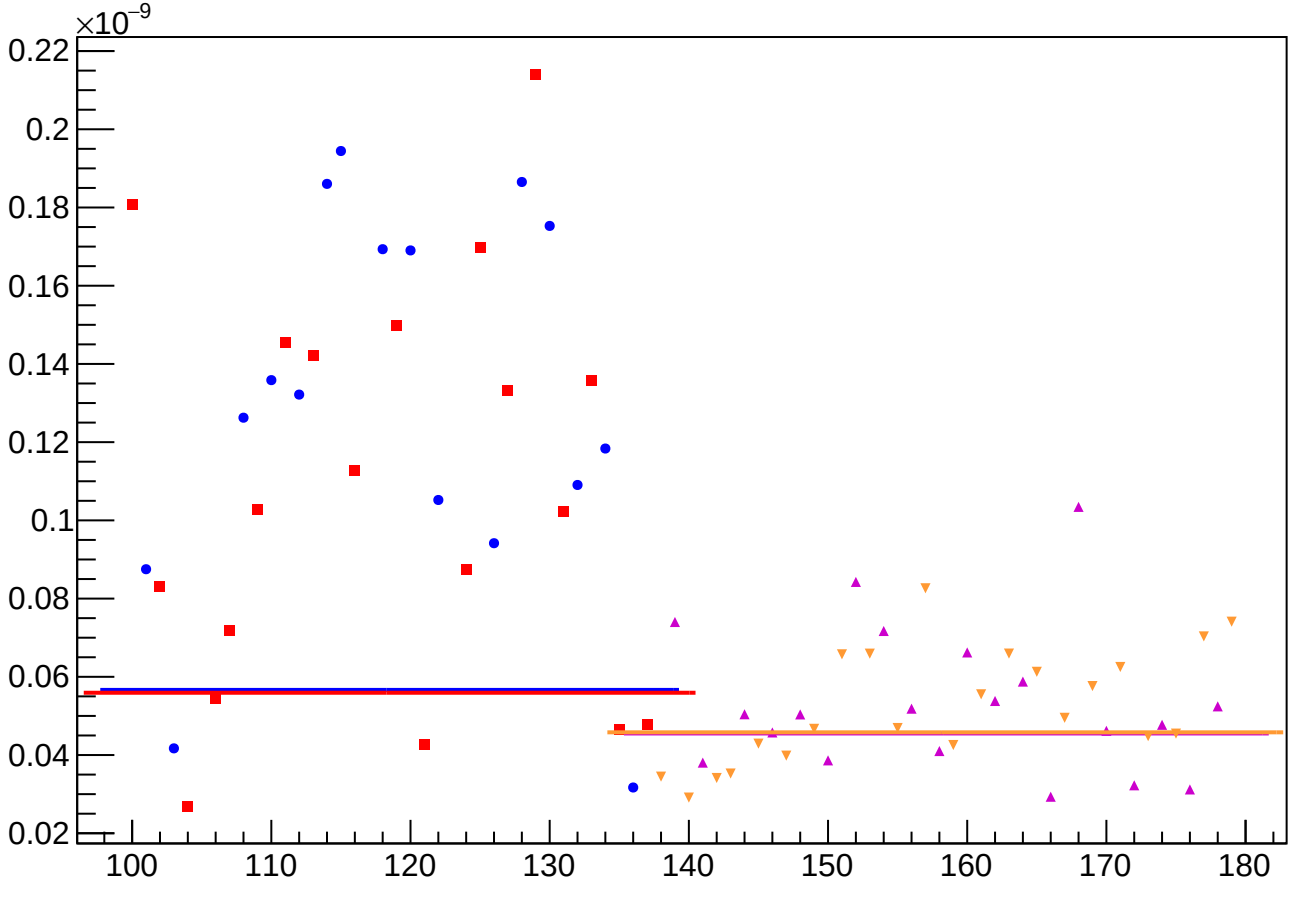
Left: 0.000+/-0.000 χ^2/NDF: 42.4/41

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:41.2/35

Out: 0.000+/-0.000 χ^2/NDF:54.6/40

All: 0.000+/-0.000 χ^2/NDF: 95.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1756066.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1882291.8/19

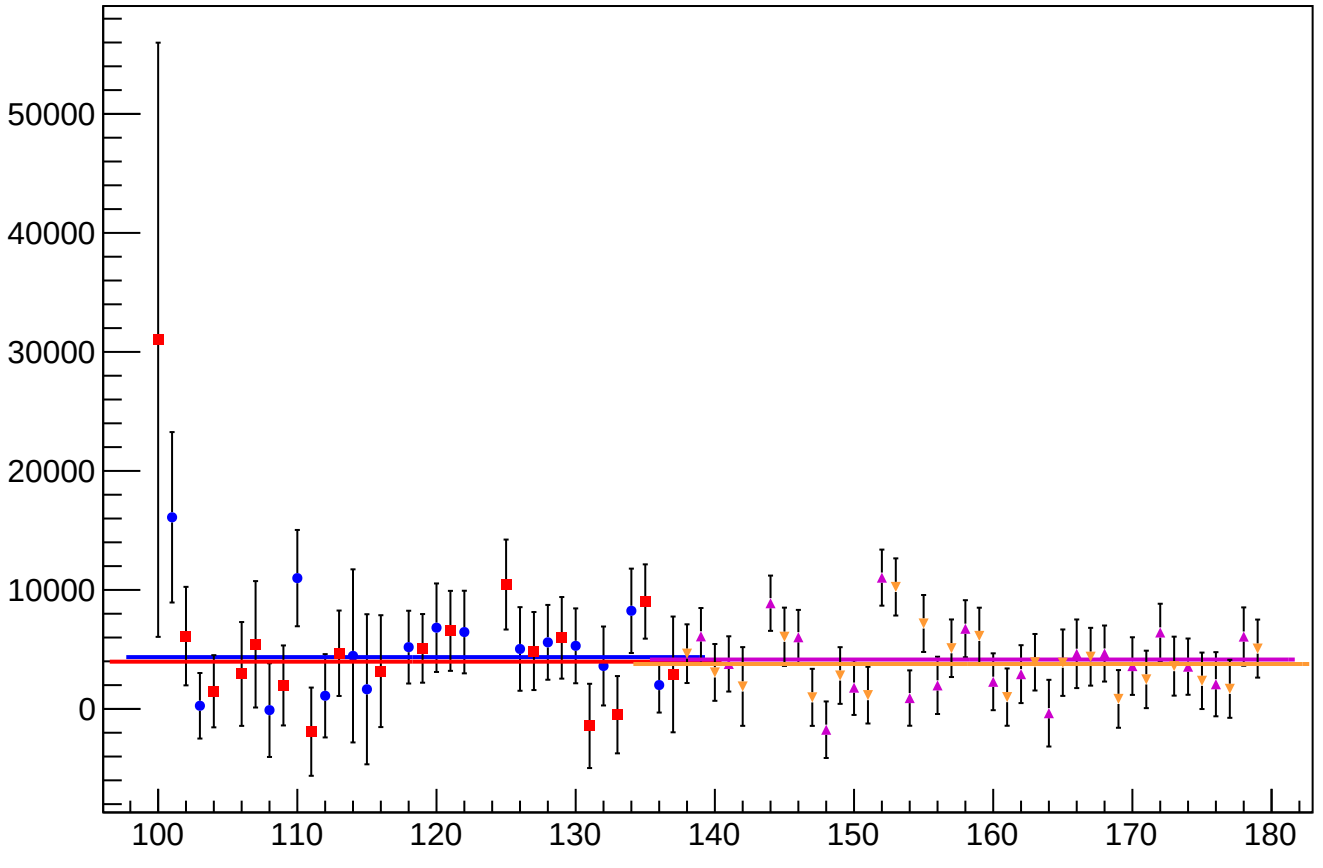
Left: 0.000+/-0.000 χ^2/NDF: 3638775.3/41

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:5195519.3/35

Out: 0.000+/-0.000 χ^2/NDF:4656767.0/40

All: 0.000+/-0.000 χ^2/NDF: 9852315.7/76



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.927+/-535.445 χ^2/NDF:19.3/20

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4151.280+/-541.283 χ^2/NDF:30.9/19

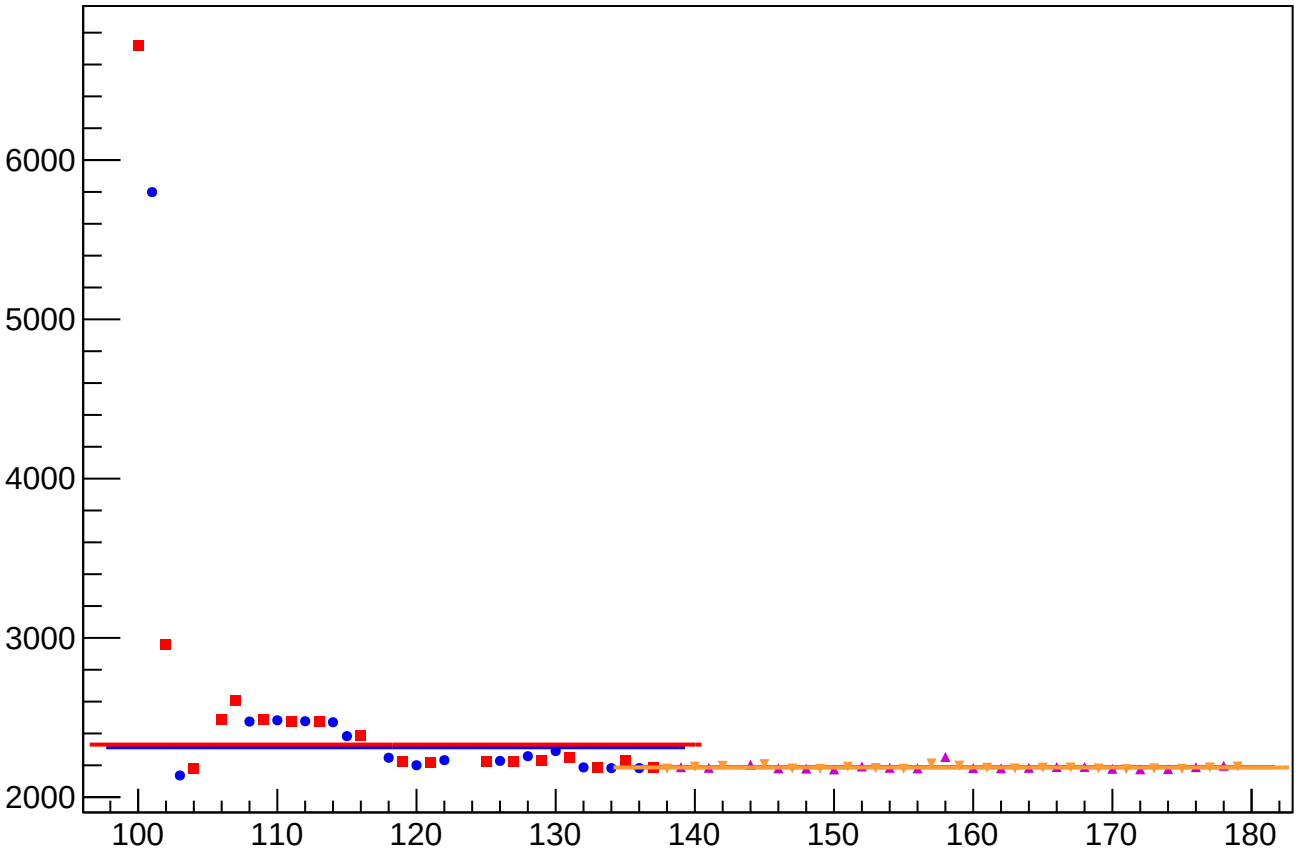
Left: 3961.063+/-380.664 χ^2/NDF: 50.4/40

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4207.468+/-460.347 χ^2/NDF:44.3/35

Out: 3828.862+/-456.190 χ^2/NDF:35.5/38

All: 4016.448+/-324.035 χ^2/NDF: 80.1/74



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

Left: 2187.358+/-0.269 χ^2/NDF: 2546.9/40

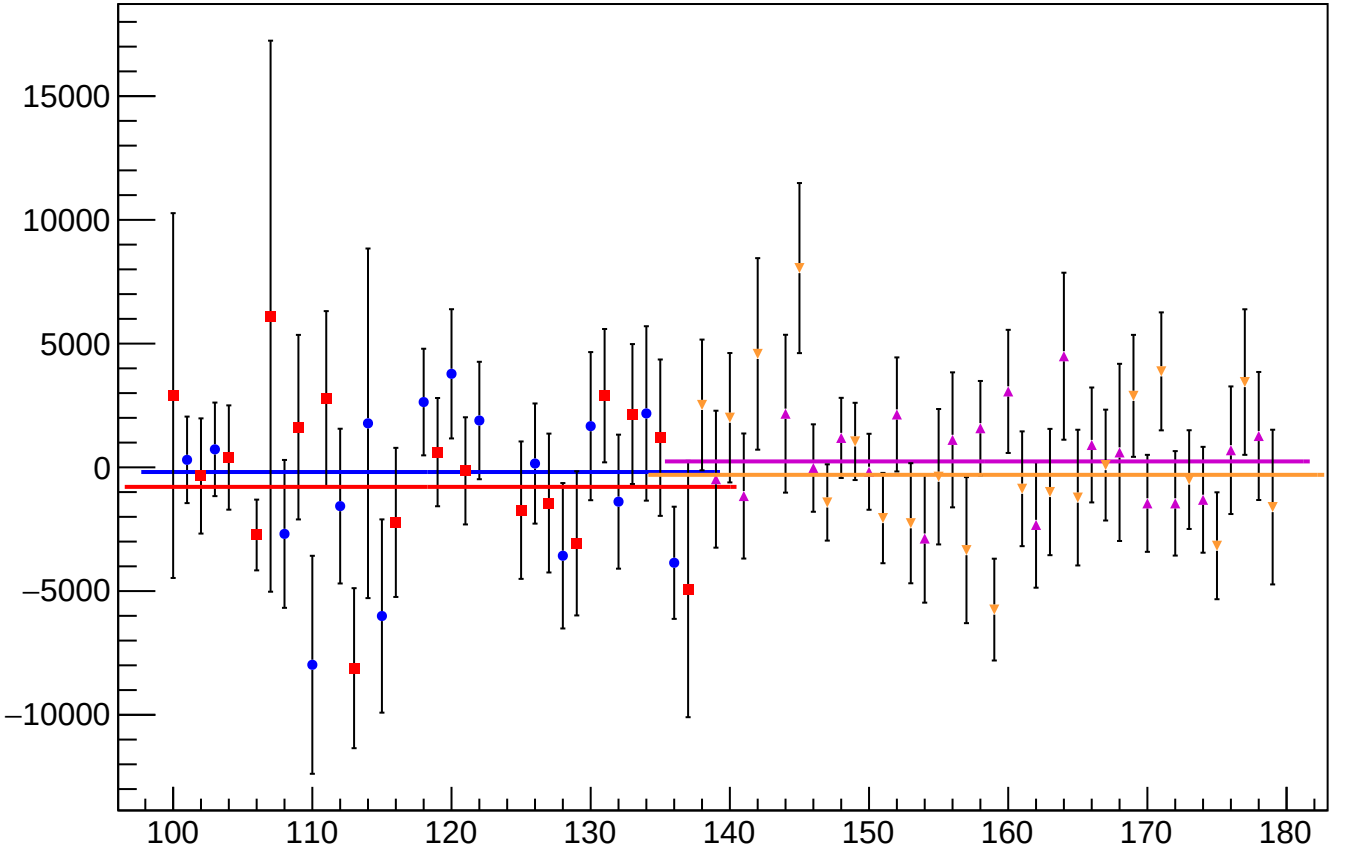
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2222.950+/-0.326 χ^2/NDF:543803.9/35

Out: 2225.815+/-0.323 χ^2/NDF:191403.8/38

All: 2224.396+/-0.229 χ^2/NDF: 735246.8/74

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -302.483+/-504.816 χ^2/NDF:28.9/20

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 239.549+/-504.464 χ^2/NDF:10.0/19

Left: -31.277+/-356.834 χ^2/NDF: 39.5/40

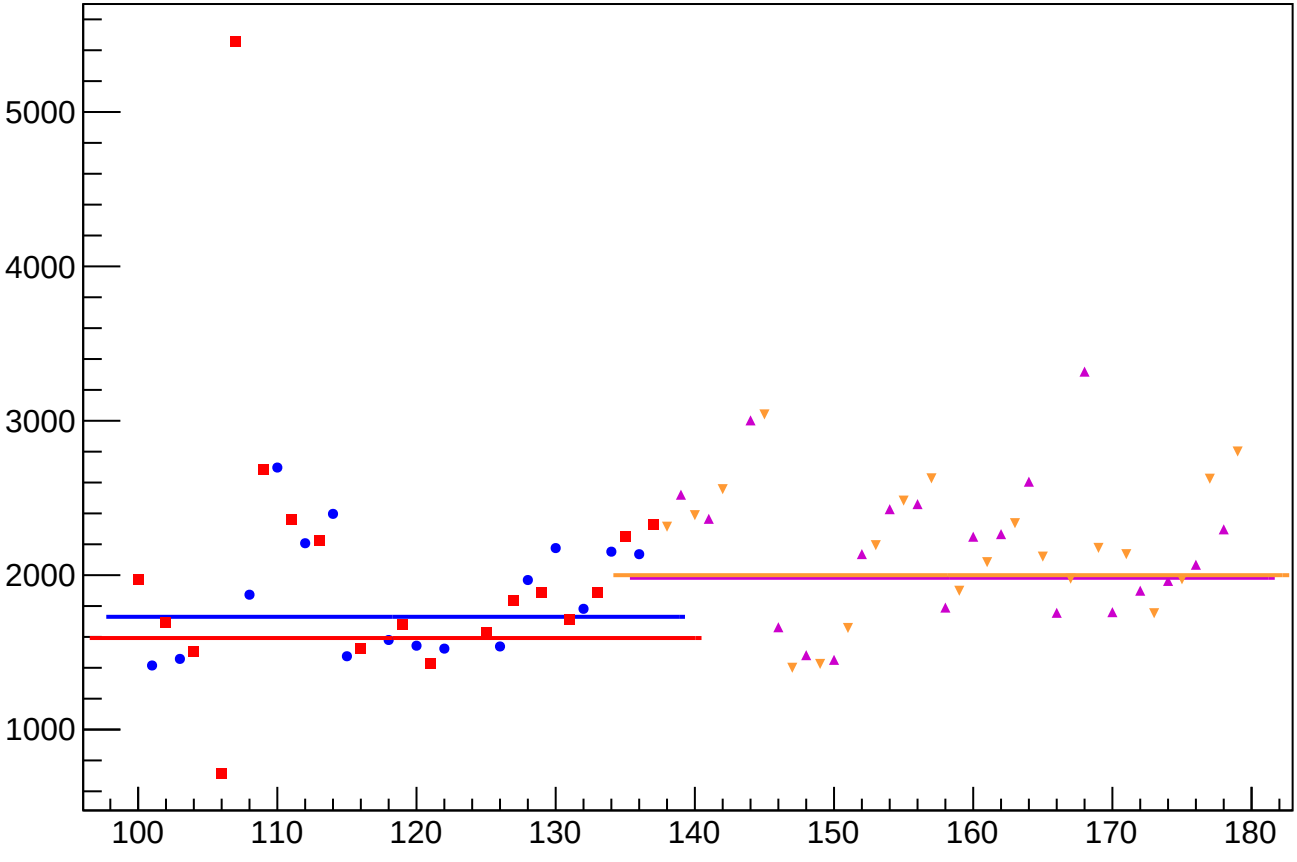
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 81.134+/-400.422 χ^2/NDF:26.7/35

Out: -491.049+/-395.136 χ^2/NDF:44.2/38

All: -208.759+/-281.253 χ^2/NDF: 71.9/74

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1999.886+/-0.357 χ^2/NDF:1423304.9/20

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1983.000+/-0.357 χ^2/NDF:1446119.7/19

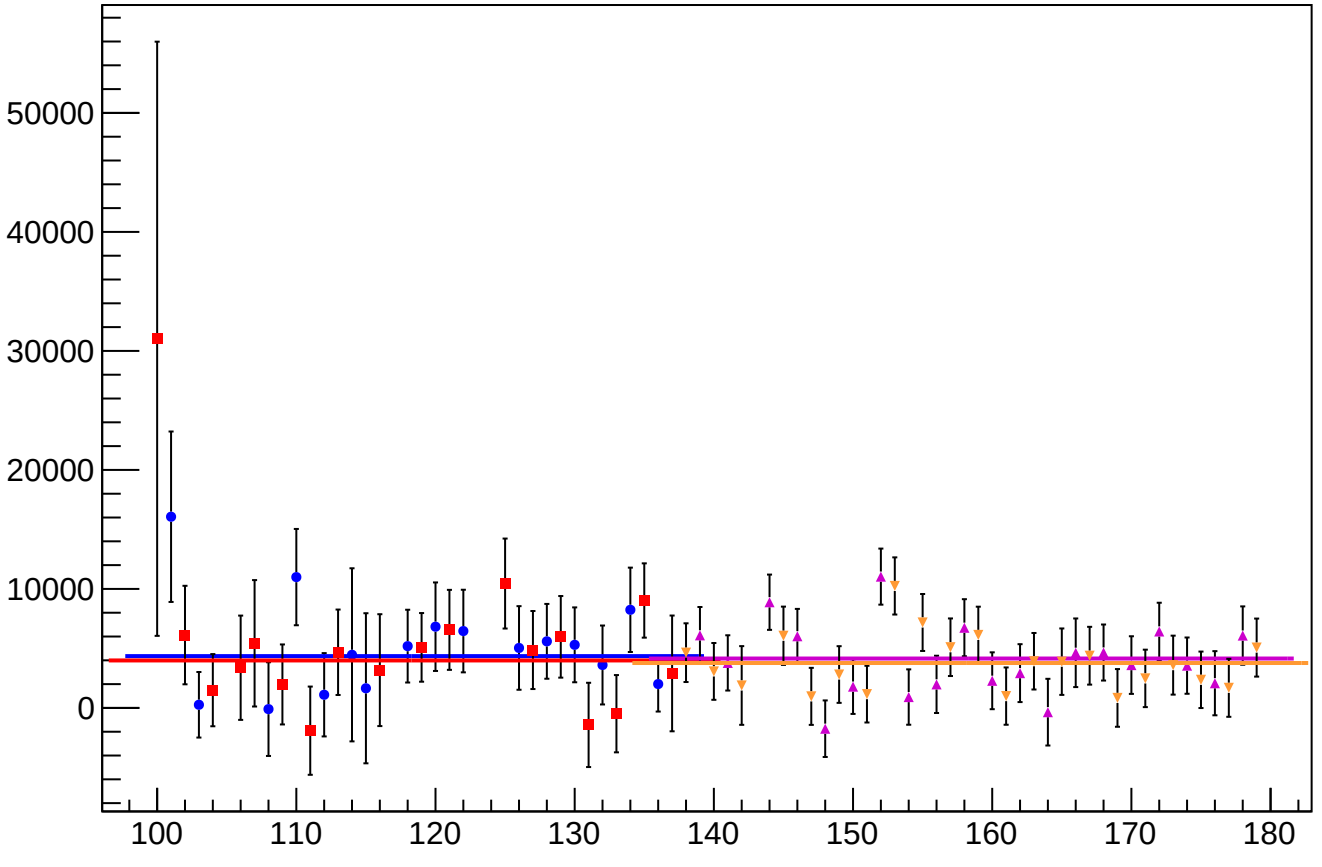
Left: 1991.438+/-0.252 χ^2/NDF: 2870544.3/40

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1889.509+/-0.283 χ^2/NDF:2110732.8/35

Out: 1842.219+/-0.279 χ^2/NDF:3483204.4/38

All: 1865.550+/-0.199 χ^2/NDF: 5608070.7/74



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4151.371+/-541.283 χ^2/NDF:30.9/19

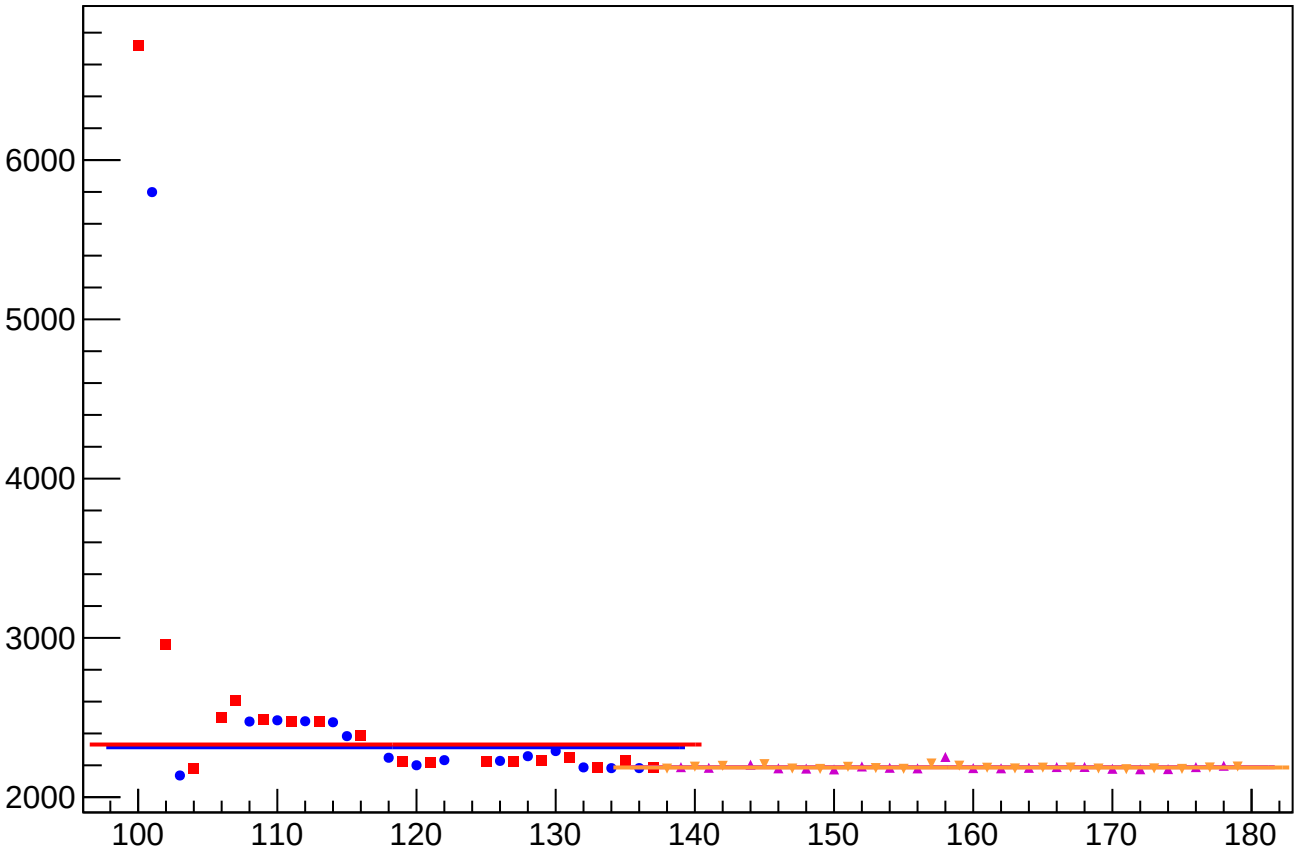
Left: 3961.084+/-380.664 χ^2/NDF: 50.4/40

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4207.346+/-460.347 χ^2/NDF:44.3/35

Out: 3833.803+/-456.211 χ^2/NDF:35.4/38

All: 4018.889+/-324.042 χ^2/NDF: 80.1/74



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

Left: 2187.358+/-0.269 χ^2/NDF: 2546.9/40

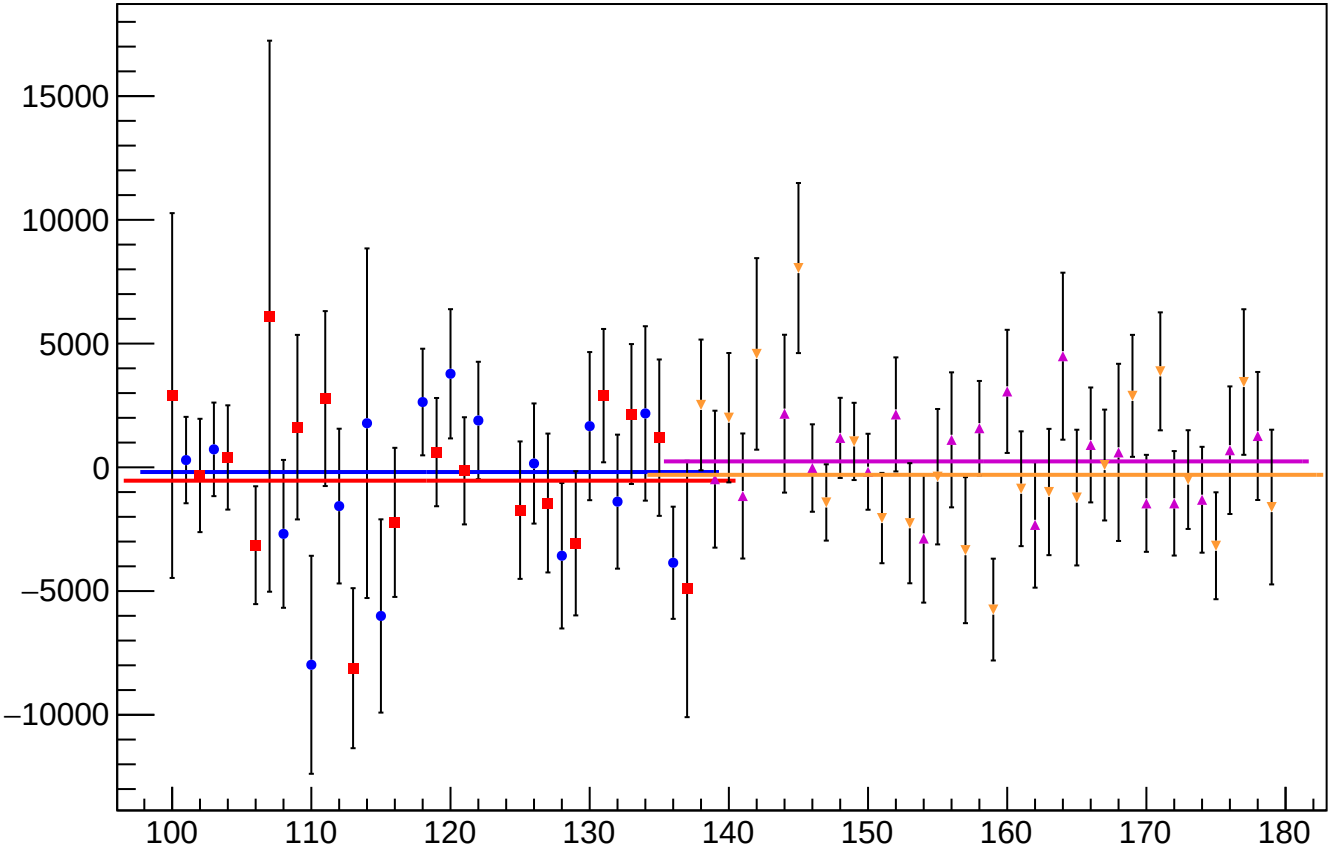
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2222.950+/-0.326 χ^2/NDF:543804.3/35

Out: 2225.907+/-0.323 χ^2/NDF:191943.3/38

All: 2224.442+/-0.229 χ^2/NDF: 735789.3/74

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -302.572+/-504.815 χ^2/NDF:28.9/20

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 239.643+/-504.465 χ^2/NDF:10.0/19

Left: -31.276+/-356.834 χ^2/NDF: 39.5/40

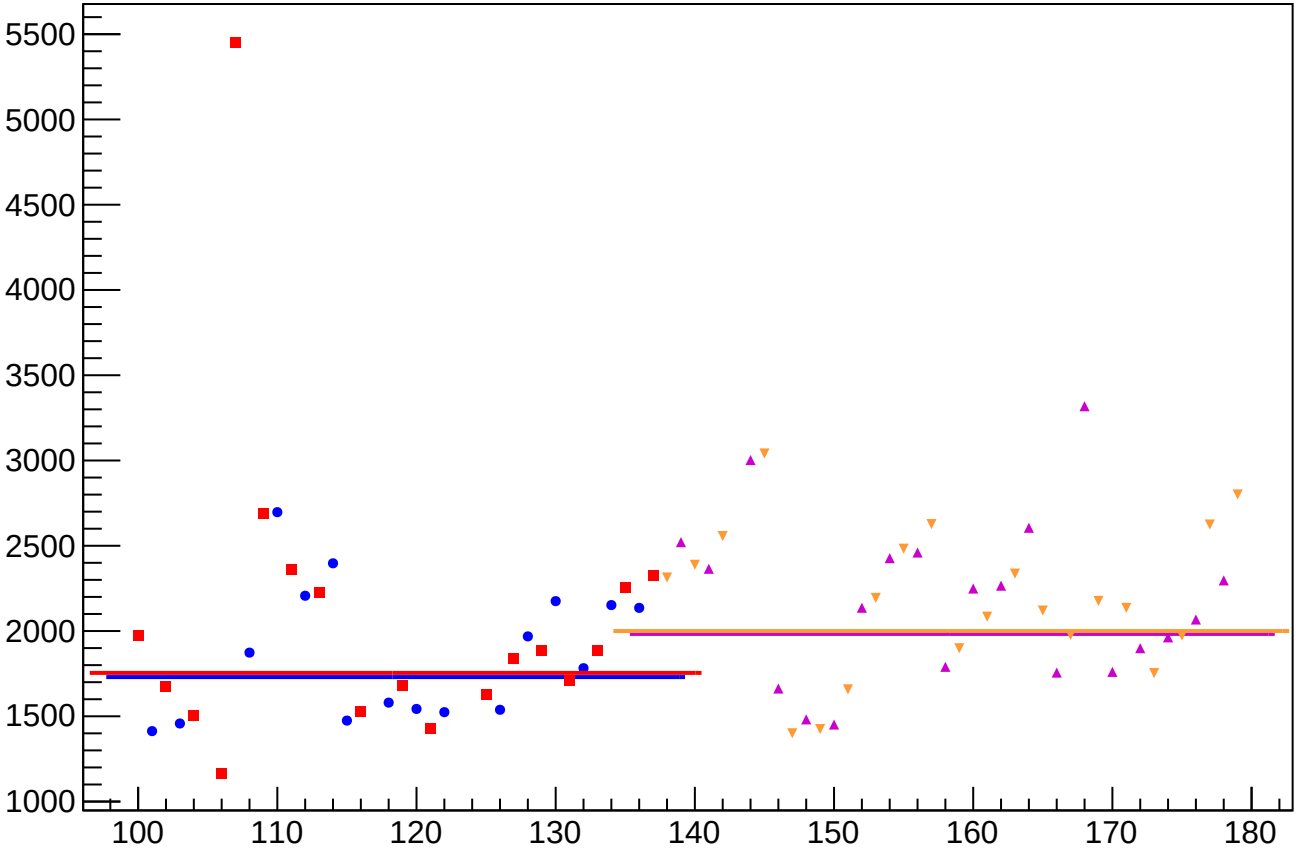
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 80.745+/-400.393 χ^2/NDF:26.7/35

Out: -387.045+/-404.952 χ^2/NDF:42.9/38

All: -150.503+/-284.719 χ^2/NDF: 70.3/74

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

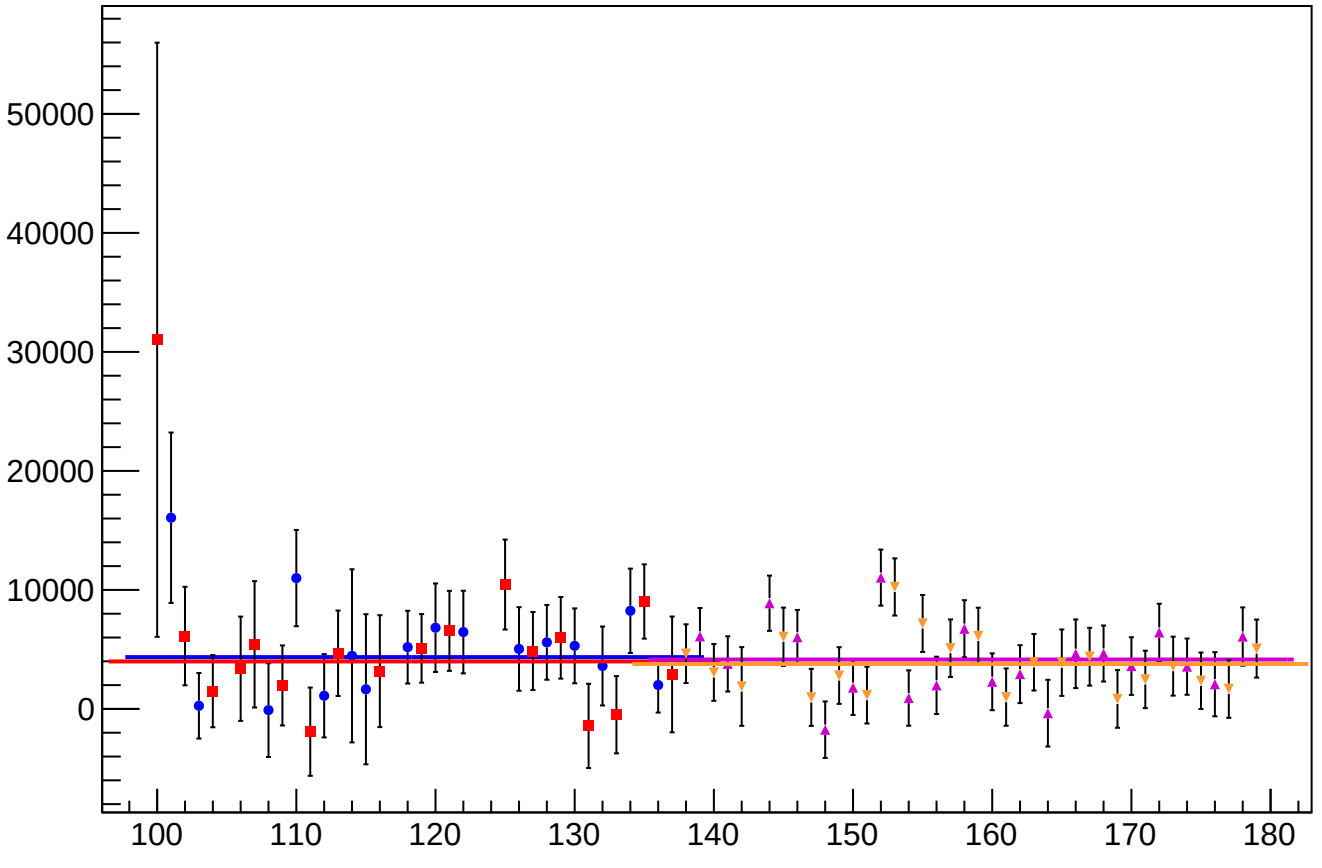
Left: 1991.438+/-0.252 χ^2/NDF: 2870619.8/40

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1889.346+/-0.283 χ^2/NDF:2112349.3/35

Out: 1912.410+/-0.286 χ^2/NDF:2342802.6/38

All: 1900.747+/-0.201 χ^2/NDF: 4458432.7/74



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3774.880+/-535.445 χ^2/NDF:19.3/20

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4151.371+/-541.283 χ^2/NDF:30.9/19

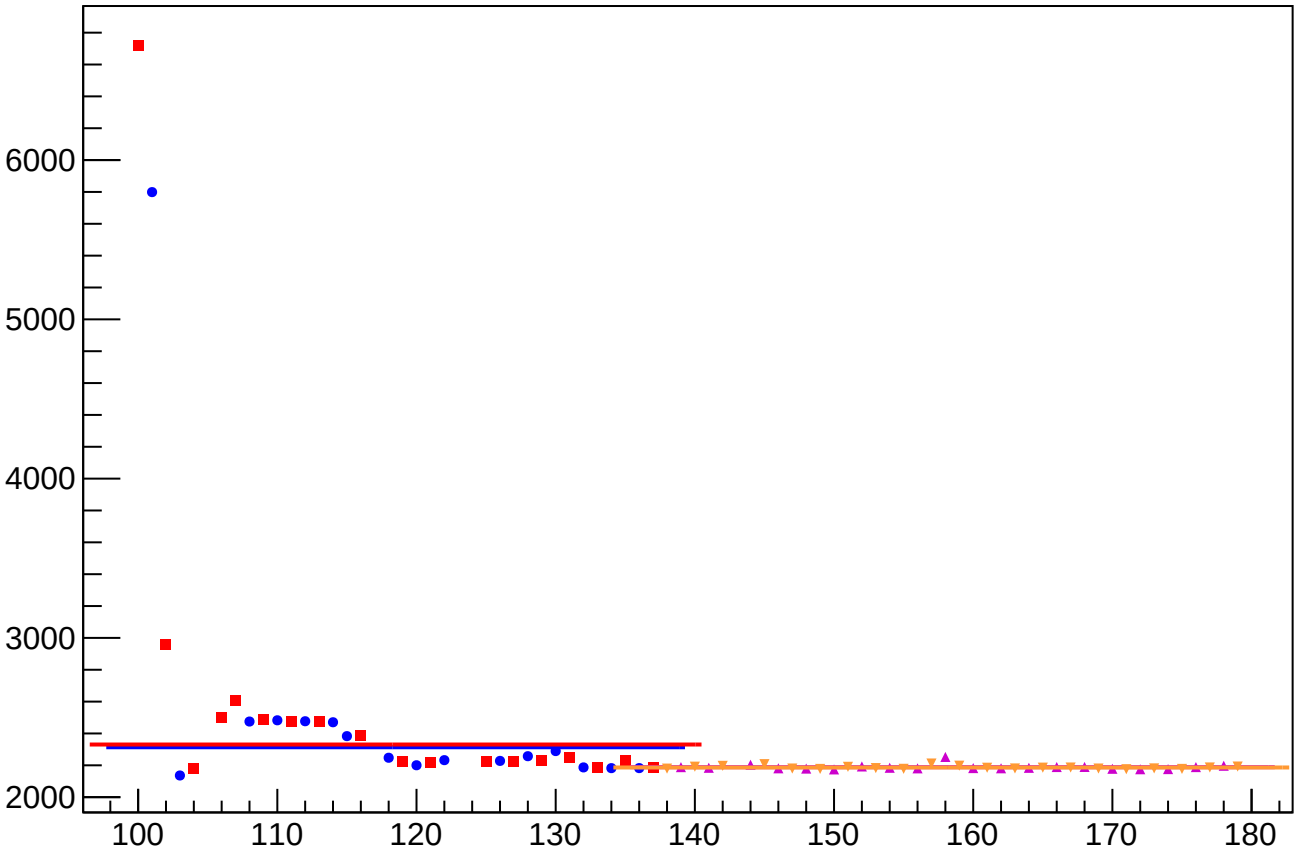
Left: 3961.084+/-380.664 χ^2/NDF: 50.4/40

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4207.346+/-460.347 χ^2/NDF:44.3/35

Out: 3833.803+/-456.211 χ^2/NDF:35.4/38

All: 4018.889+/-324.042 χ^2/NDF: 80.1/74



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.394+/-0.379 χ^2/NDF:646.7/20

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.344+/-0.383 χ^2/NDF:1887.1/19

Left: 2187.358+/-0.269 χ^2/NDF: 2546.9/40

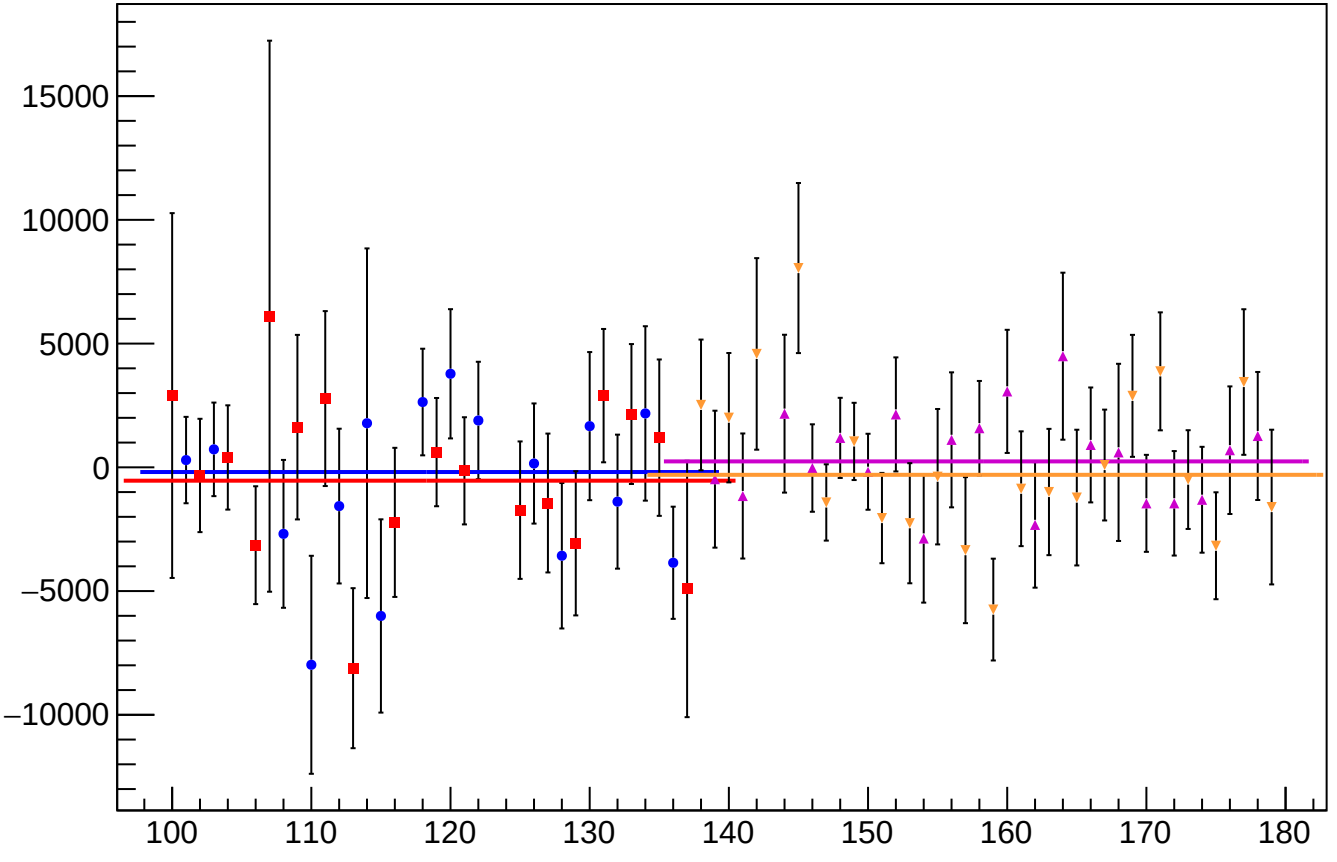
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2222.950+/-0.326 χ^2/NDF:543804.3/35

Out: 2225.907+/-0.323 χ^2/NDF:191943.3/38

All: 2224.442+/-0.229 χ^2/NDF: 735789.3/74

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -302.572+/-504.815 χ^2/NDF:28.9/20

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 239.643+/-504.465 χ^2/NDF:10.0/19

Left: -31.276+/-356.834 χ^2/NDF: 39.5/40

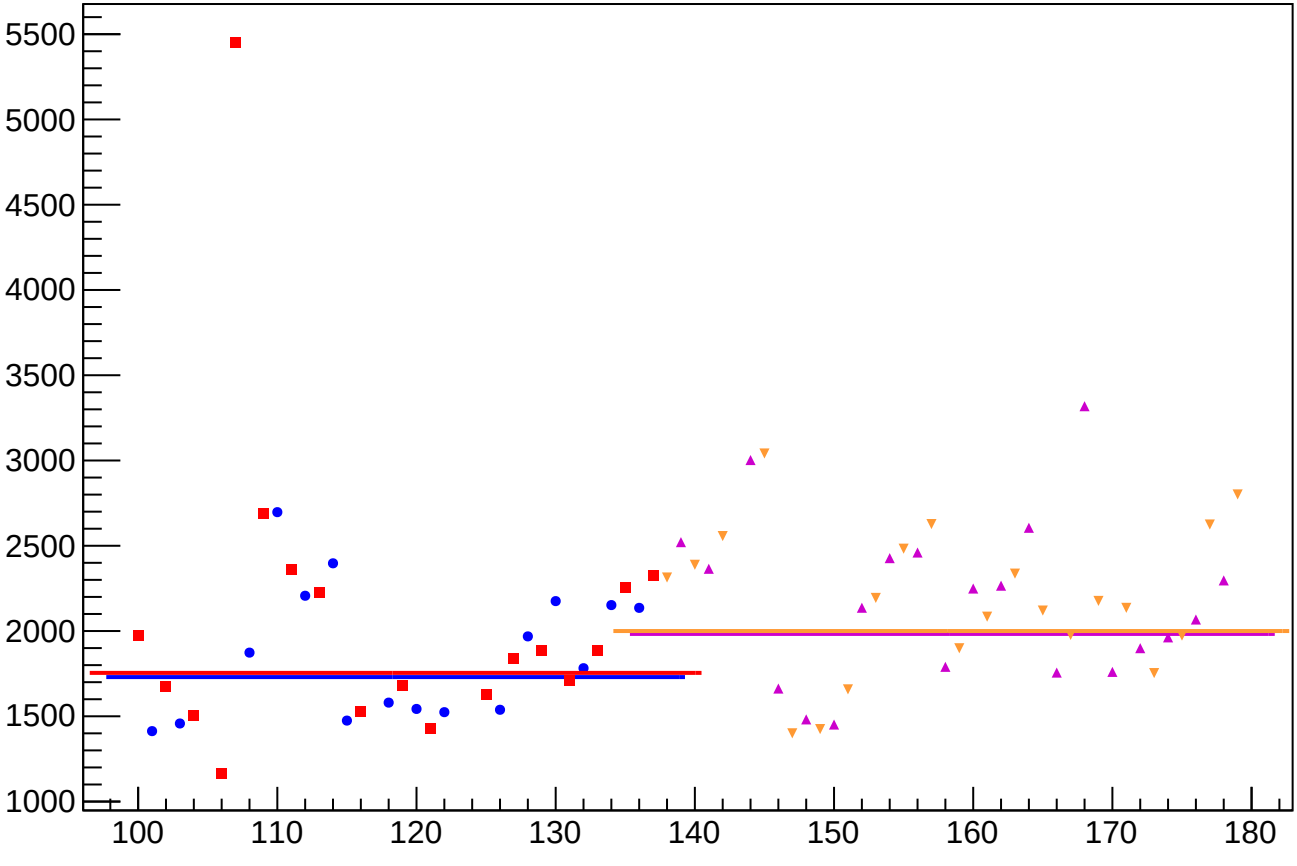
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 80.745+/-400.393 χ^2/NDF:26.7/35

Out: -387.045+/-404.952 χ^2/NDF:42.9/38

All: -150.503+/-284.719 χ^2/NDF: 70.3/74

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1999.882+/-0.357 χ^2/NDF:1423358.6/20

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

Left: 1991.438+/-0.252 χ^2/NDF: 2870619.8/40

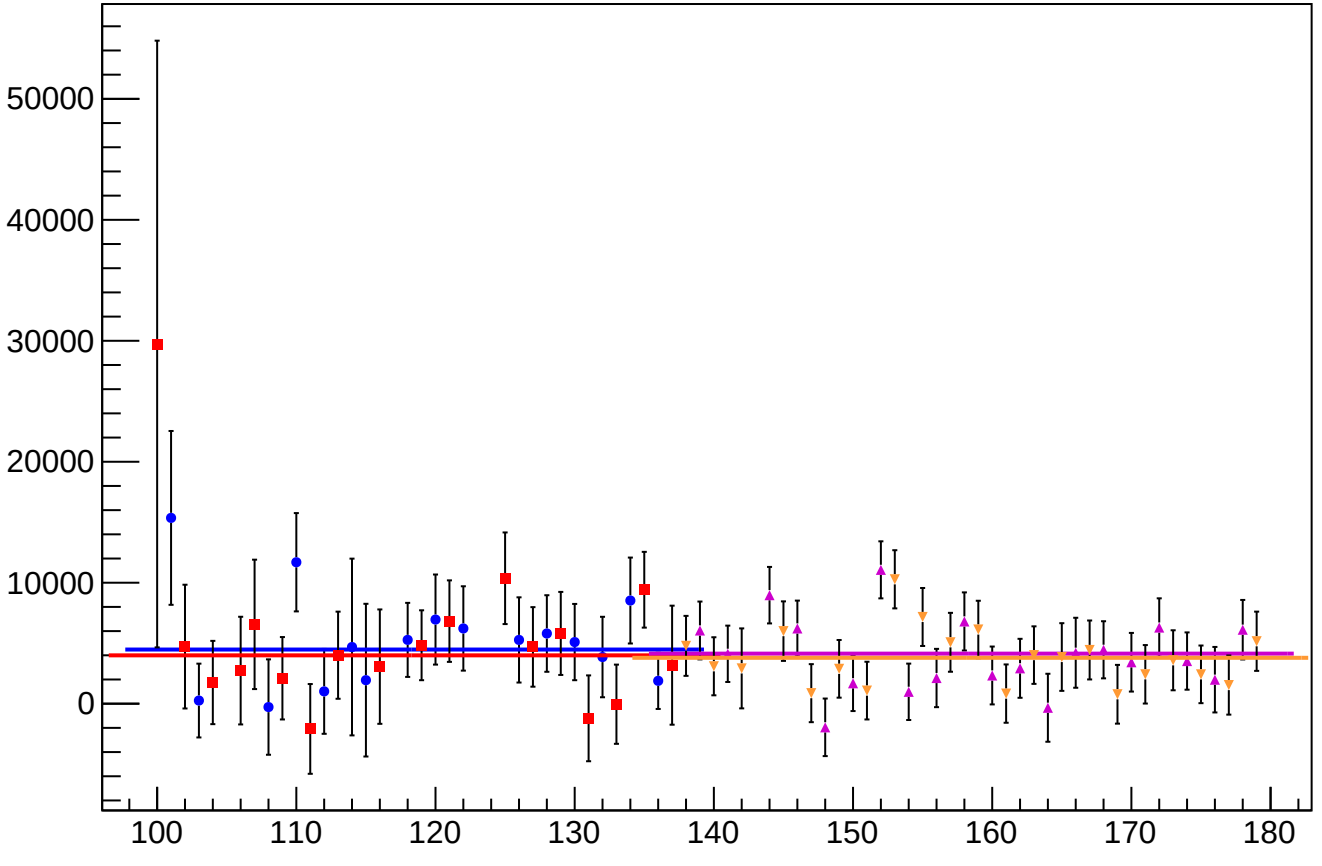
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1889.346+/-0.283 χ^2/NDF:2112349.3/35

Out: 1912.410+/-0.286 χ^2/NDF:2342802.6/38

All: 1900.747+/-0.201 χ^2/NDF: 4458432.7/74

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3792.391+/-536.814 χ^2/NDF:19.5/20

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4137.835+/-542.575 χ^2/NDF:31.4/19

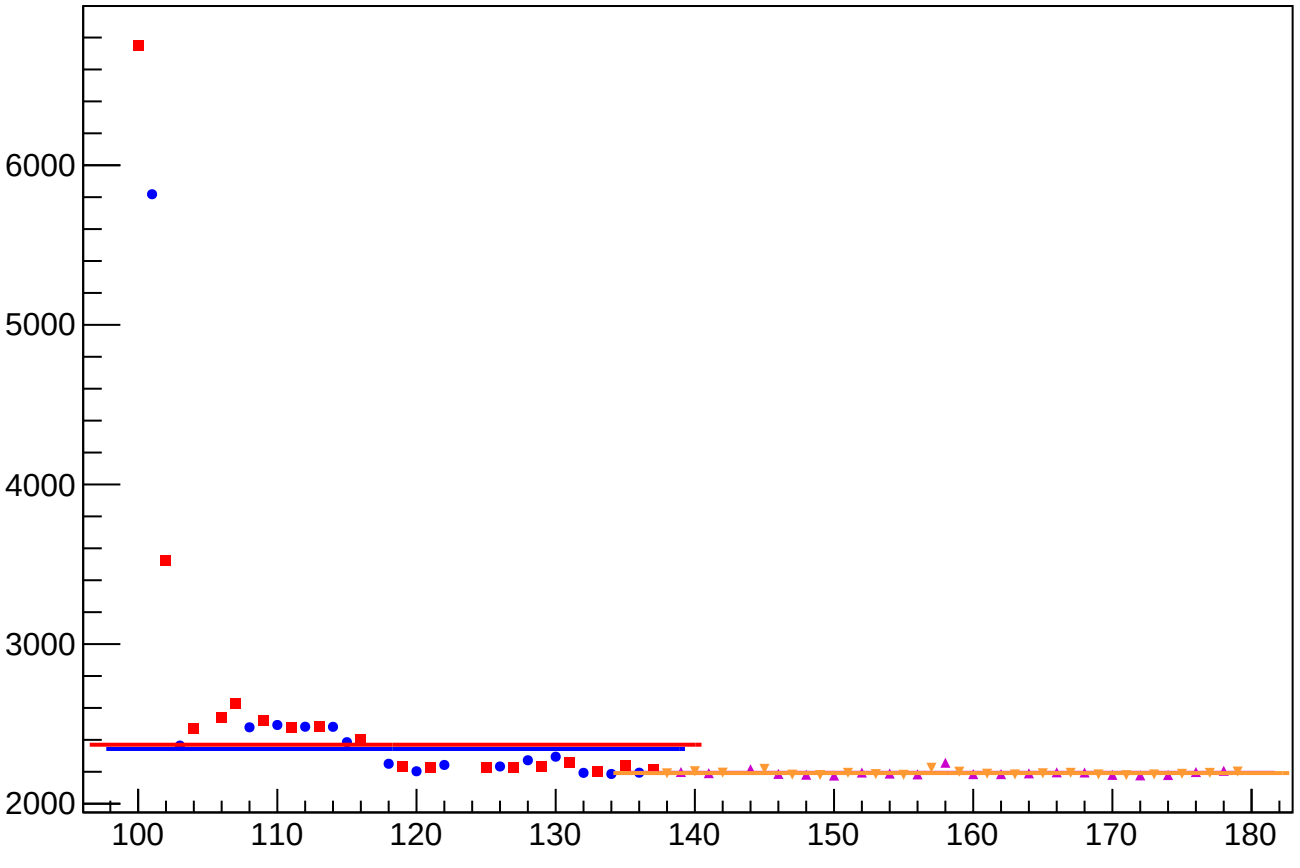
Left: 3963.269+/-381.605 χ^2/NDF: 51.1/40

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4230.170+/-462.719 χ^2/NDF:45.1/35

Out: 3846.614+/-459.732 χ^2/NDF:35.0/38

All: 4037.150+/-326.130 χ^2/NDF: 80.5/74



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.902+/-0.380 χ^2/NDF:1002.7/20

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.512+/-0.384 χ^2/NDF:2126.0/19

Left: 2192.698+/-0.270 χ^2/NDF: 3137.7/40

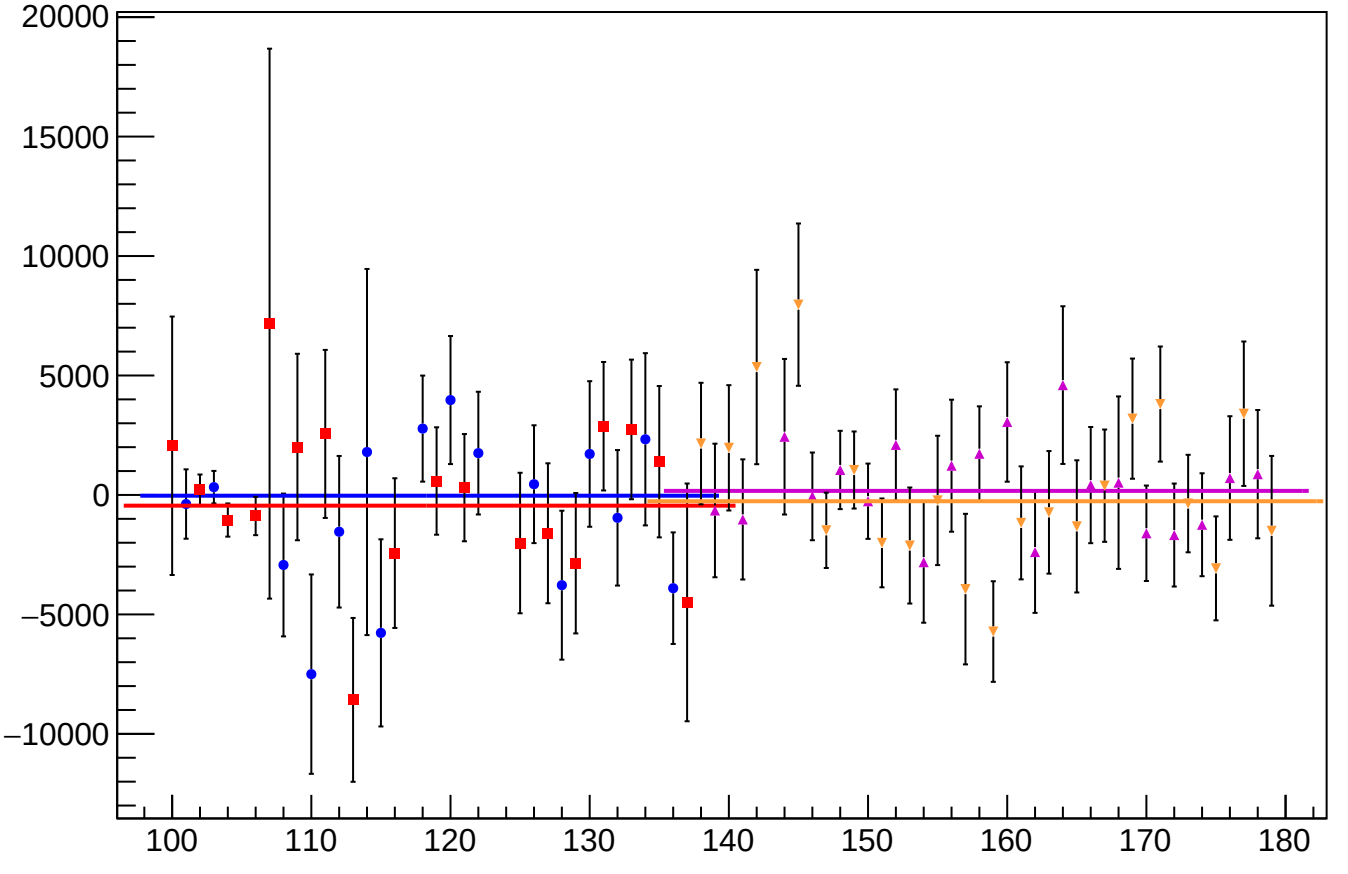
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2234.254+/-0.327 χ^2/NDF:546345.0/35

Out: 2239.262+/-0.325 χ^2/NDF:269550.8/38

All: 2236.774+/-0.231 χ^2/NDF: 816013.7/74

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -262.696+/-513.552 χ^2/NDF:28.6/20

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 170.221+/-512.968 χ^2/NDF:10.2/19

Left: -45.991+/-362.930 χ^2/NDF: 39.2/40

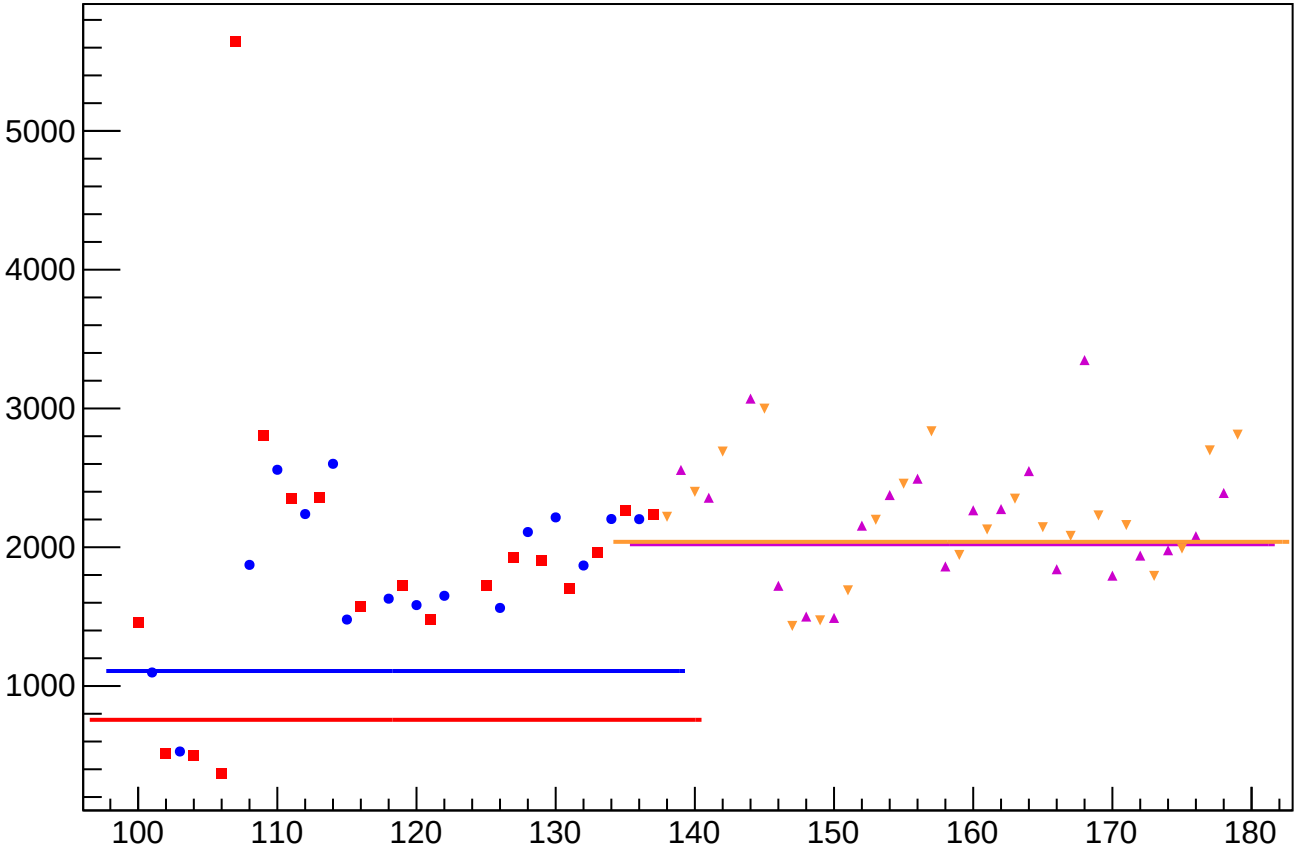
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 63.836+/-352.546 χ^2/NDF:26.6/35

Out: -386.535+/-296.191 χ^2/NDF:43.8/38

All: -200.179+/-226.778 χ^2/NDF: 71.4/74

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2038.981+/-0.363 χ^2/NDF:1358096.8/20

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2021.497+/-0.363 χ^2/NDF:1355997.0/19

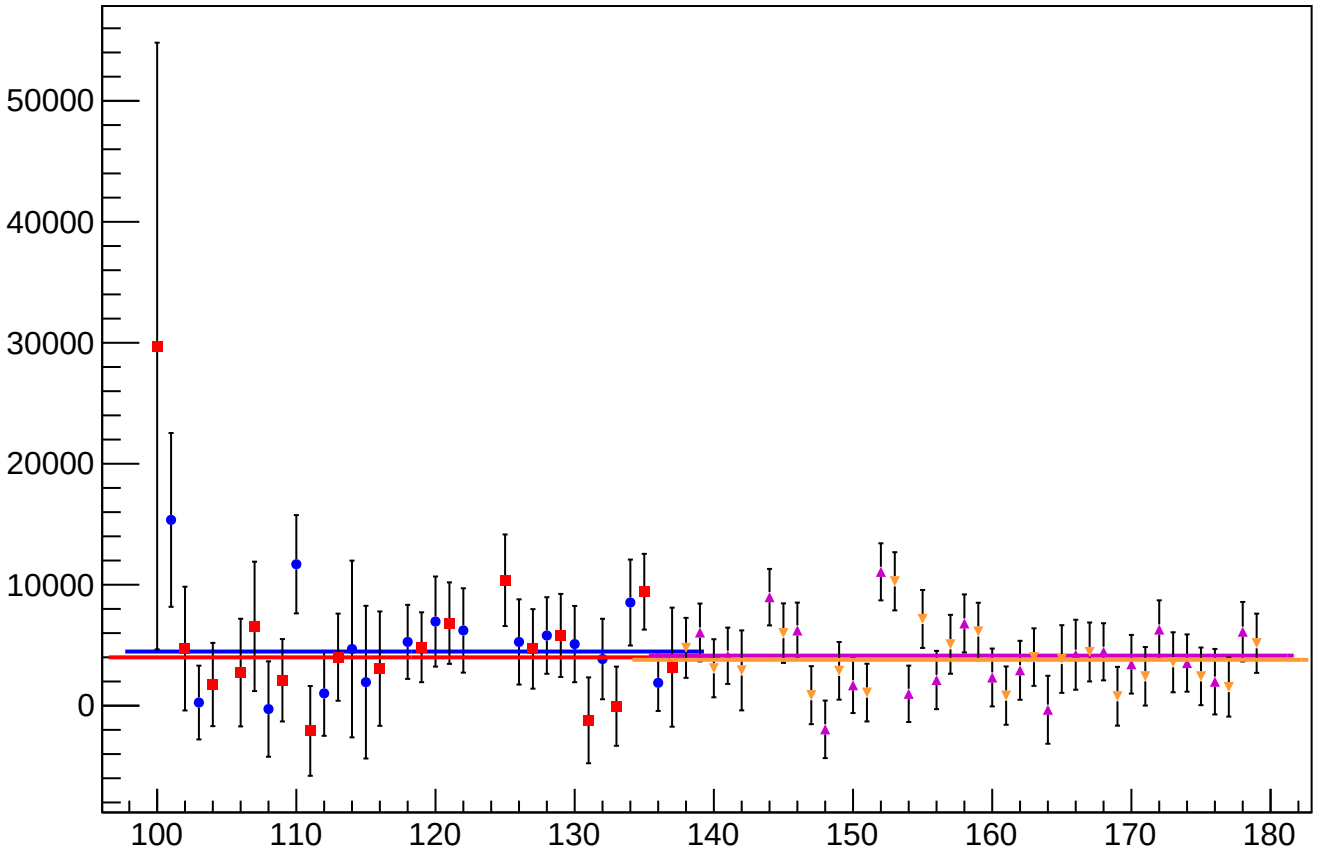
Left: 2030.229+/-0.257 χ^2/NDF: 2715254.1/40

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1539.550+/-0.249 χ^2/NDF:8448199.5/35

Out: 1183.051+/-0.209 χ^2/NDF:15286177.4/38

All: 1330.564+/-0.160 χ^2/NDF: 24933258.2/7



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3792.389+/-536.814 χ^2/NDF:19.5/20

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4137.837+/-542.575 χ^2/NDF:31.4/19

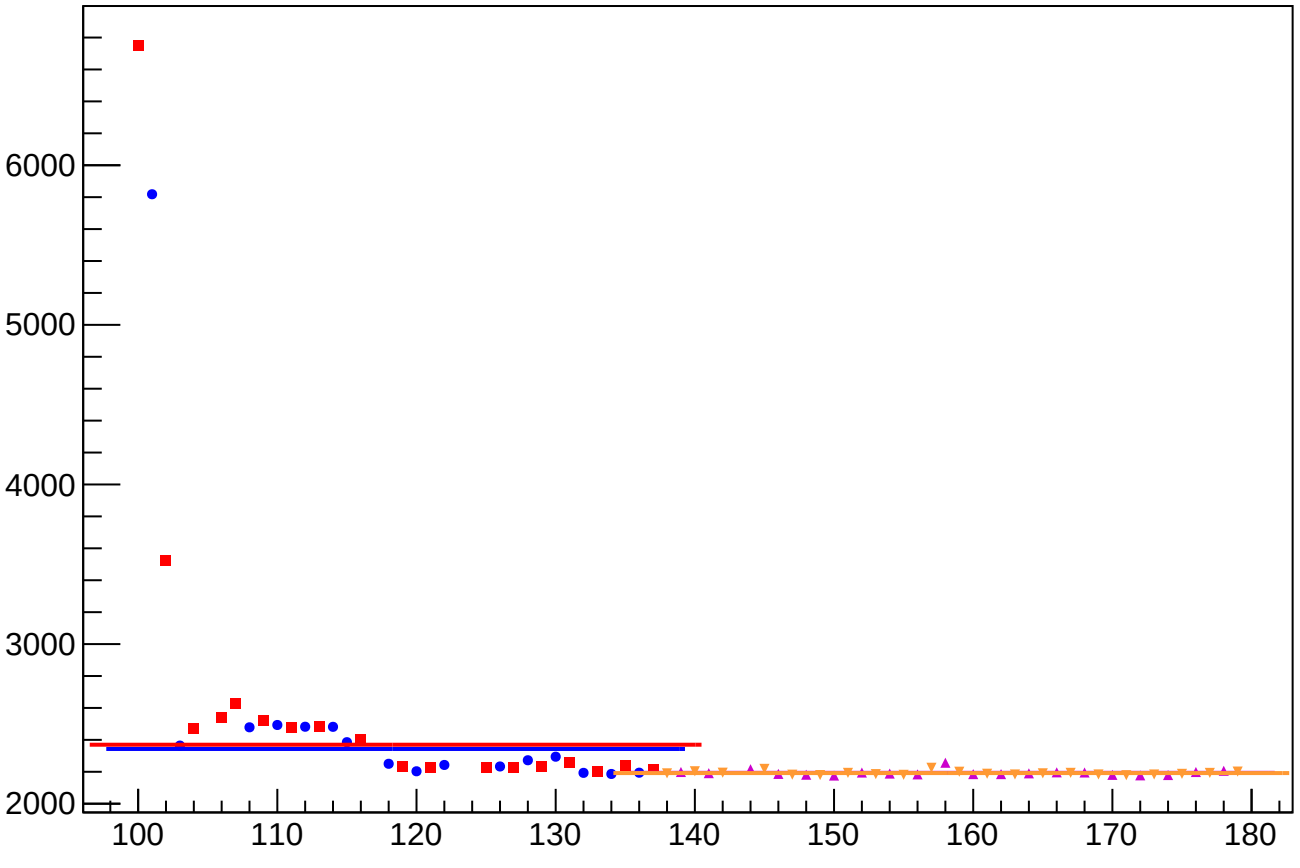
Left: 3963.269+/-381.605 χ^2/NDF: 51.1/40

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4230.170+/-462.719 χ^2/NDF:45.1/35

Out: 3846.612+/-459.732 χ^2/NDF:35.0/38

All: 4037.149+/-326.130 χ^2/NDF: 80.5/74



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.902+/-0.380 χ^2/NDF:1002.7/20

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.512+/-0.384 χ^2/NDF:2126.1/19

Left: 2192.698+/-0.270 χ^2/NDF: 3137.7/40

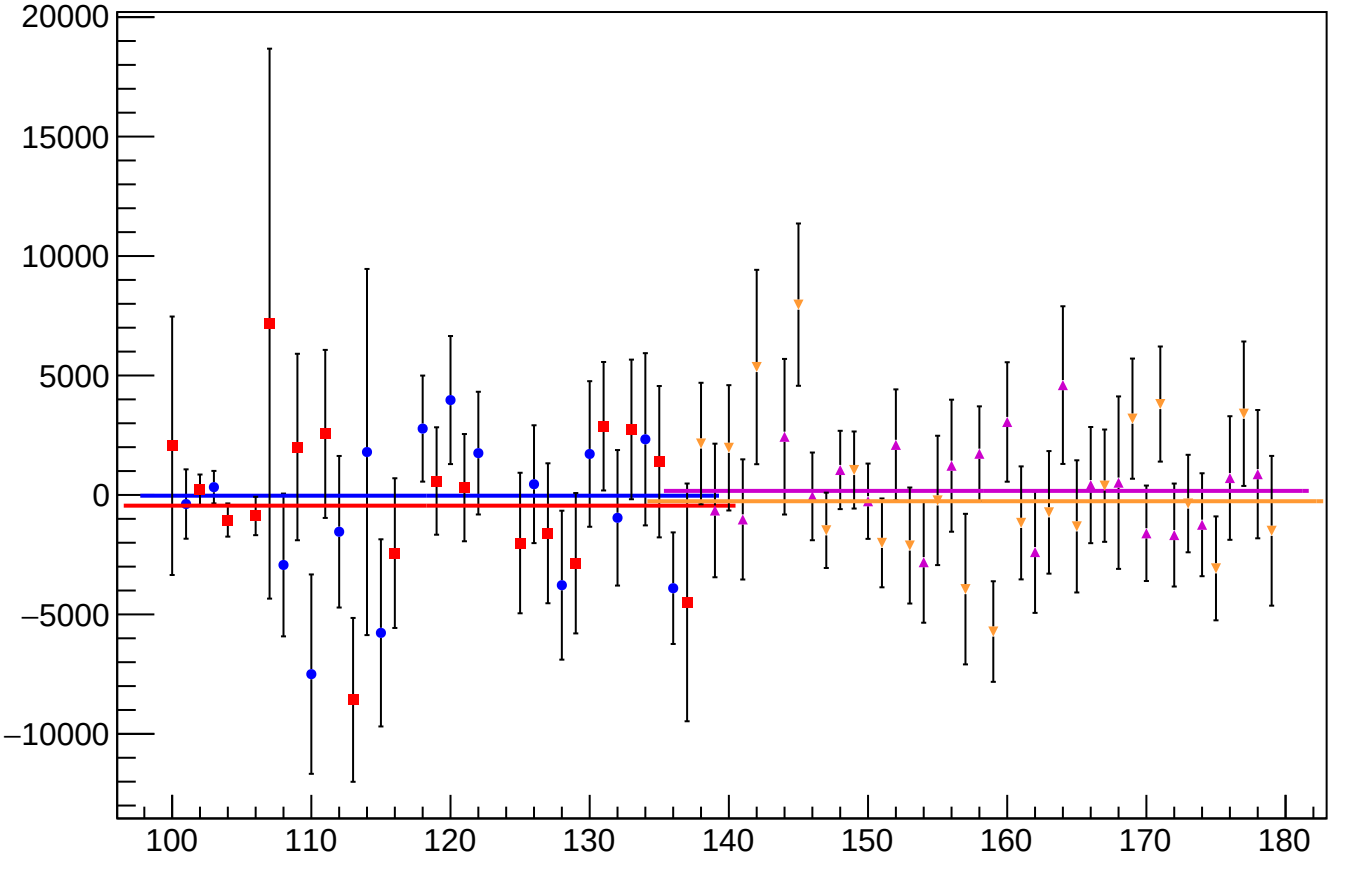
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2234.254+/-0.327 χ^2/NDF:546344.7/35

Out: 2239.262+/-0.325 χ^2/NDF:269549.3/38

All: 2236.774+/-0.231 χ^2/NDF: 816012.0/74

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -262.699+/-513.553 χ^2/NDF:28.6/20

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 170.222+/-512.969 χ^2/NDF:10.2/19

Left: -45.992+/-362.930 χ^2/NDF: 39.2/40

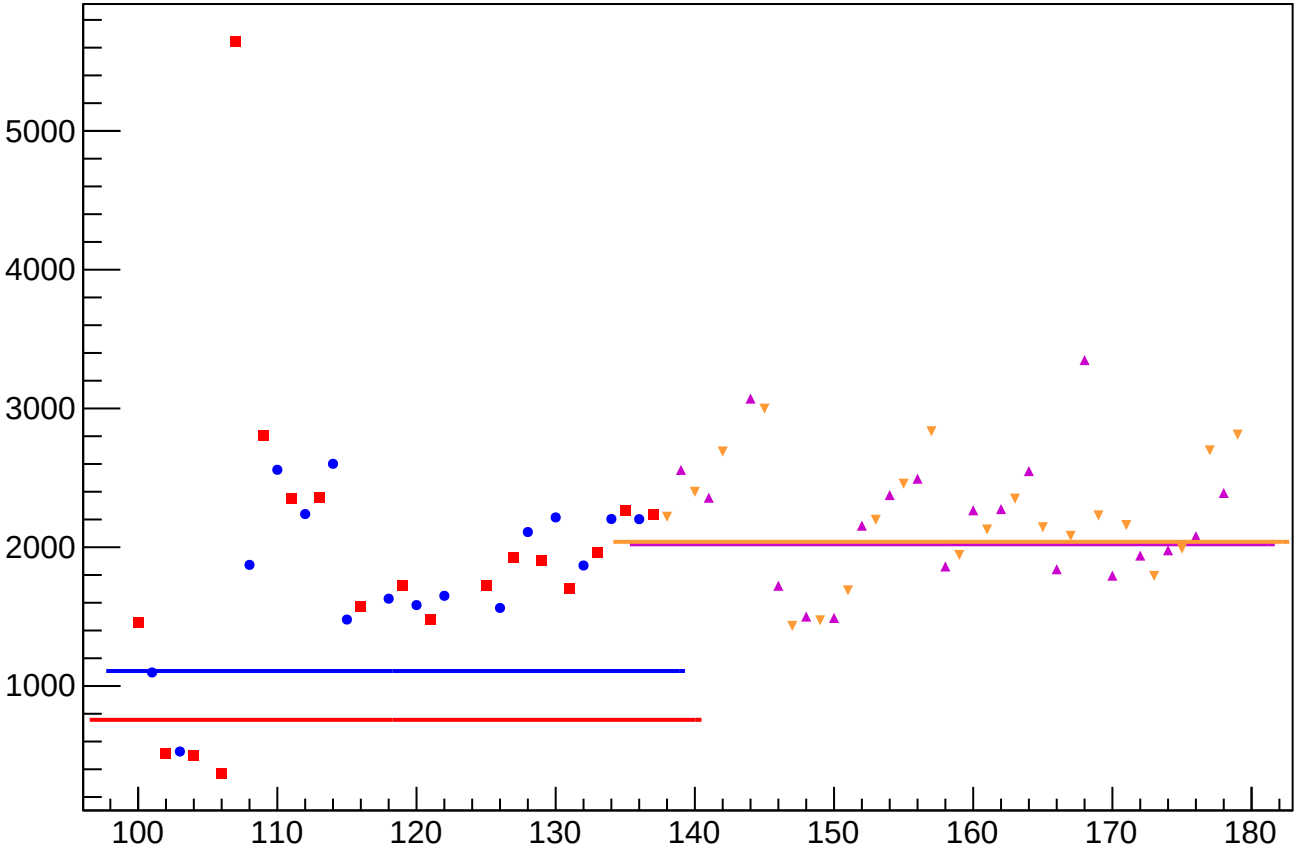
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 63.833+/-352.547 χ^2/NDF:26.6/35

Out: -386.537+/-296.194 χ^2/NDF:43.8/38

All: -200.180+/-226.780 χ^2/NDF: 71.4/74

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2038.985+/-0.363 χ^2/NDF:1358096.1/20

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2021.501+/-0.363 χ^2/NDF:1355995.7/19

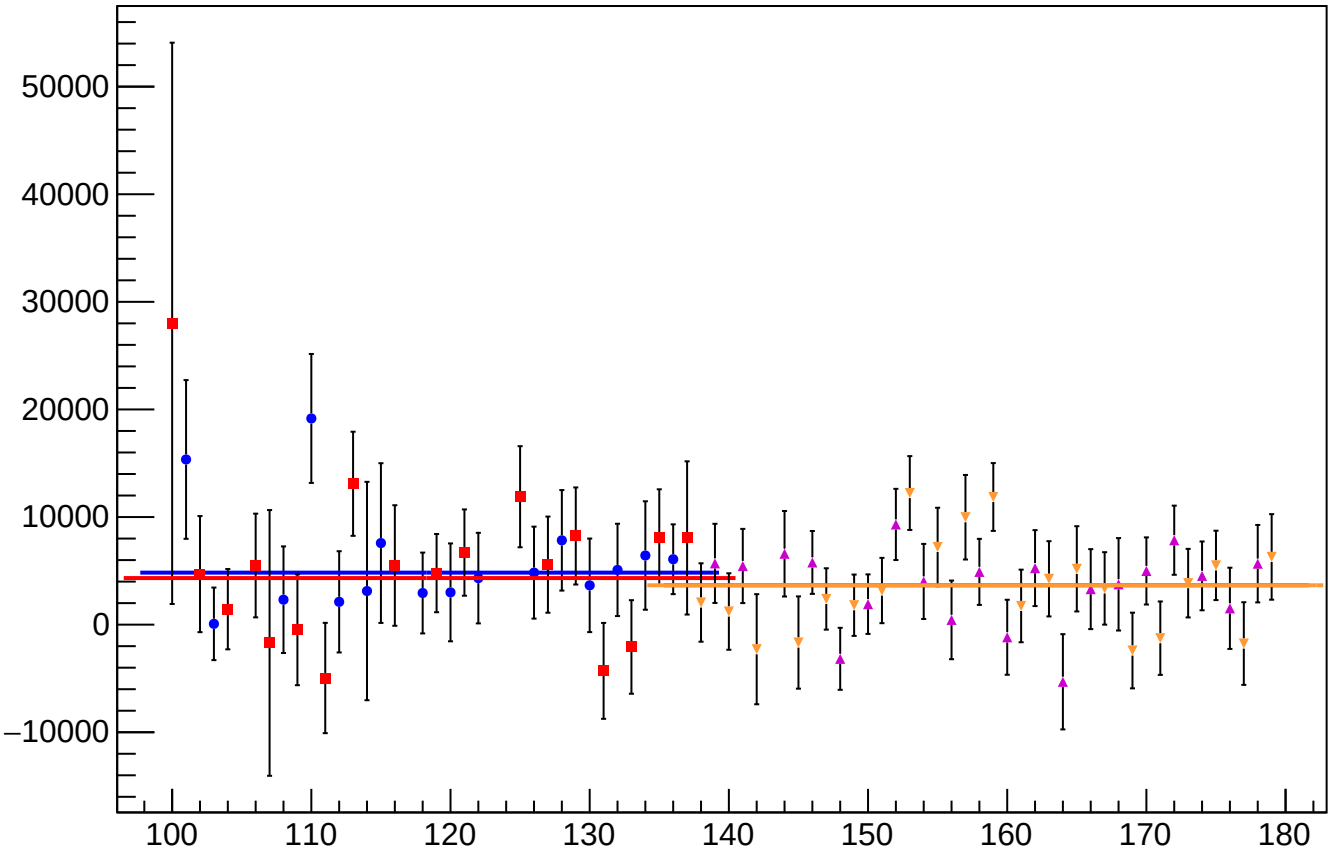
Left: 2030.233+/-0.257 χ^2/NDF: 2715252.1/40

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1539.559+/-0.249 χ^2/NDF:8448055.2/35

Out: 1183.068+/-0.209 χ^2/NDF:15285817.9/38

All: 1330.579+/-0.160 χ^2/NDF: 24932678.4/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3659.580+/-757.717 χ^2/NDF:29.1/20

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3661.467+/-760.407 χ^2/NDF:20.4/19

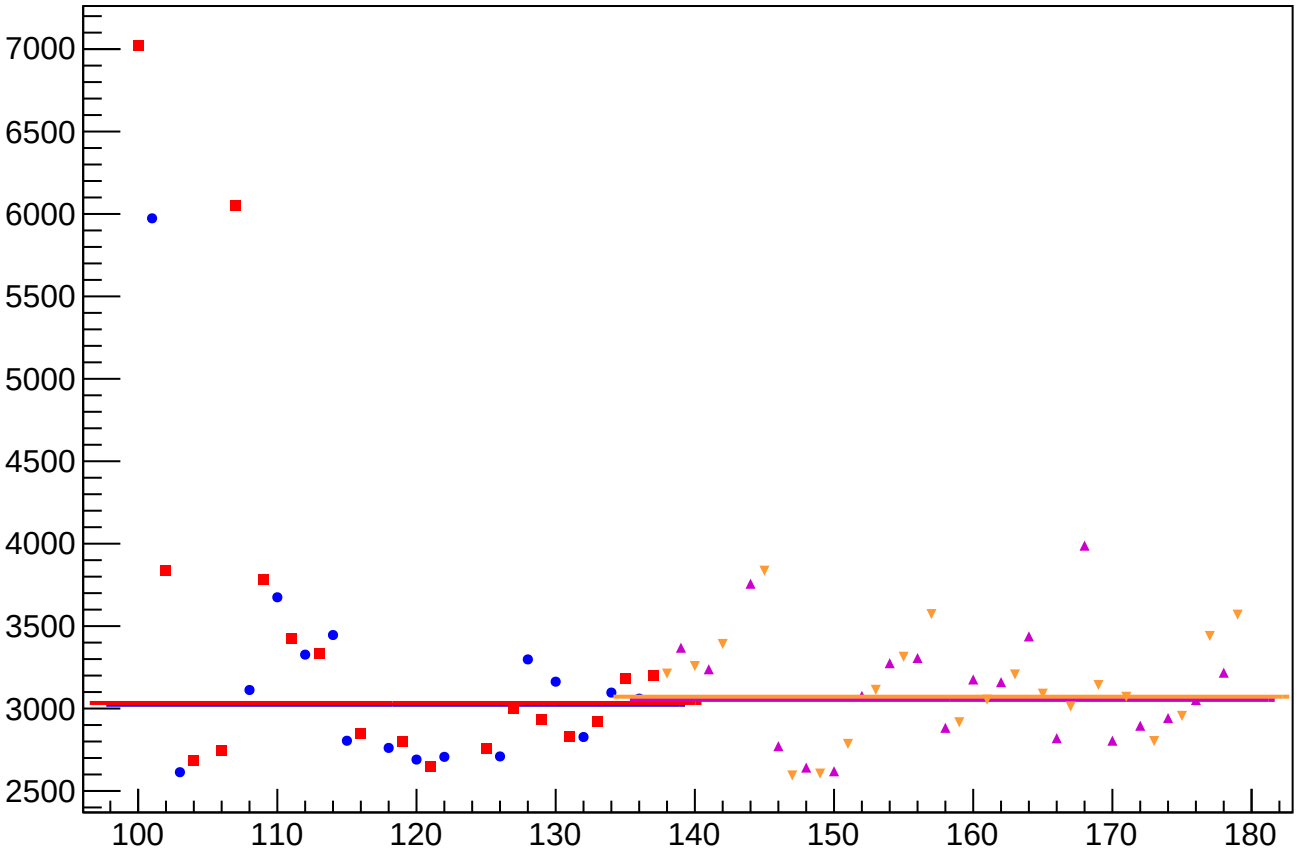
Left: 3660.520+/-536.735 χ^2/NDF: 49.5/40

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4021.345+/-633.025 χ^2/NDF:32.8/35

Out: 3863.447+/-631.808 χ^2/NDF:49.2/38

All: 3942.244+/-447.185 χ^2/NDF: 82.0/74



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3071.873+/-0.536 χ^2/NDF:324898.9/20

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3052.476+/-0.538 χ^2/NDF:361819.5/19

Left: 3062.209+/-0.380 χ^2/NDF: 687371.4/40

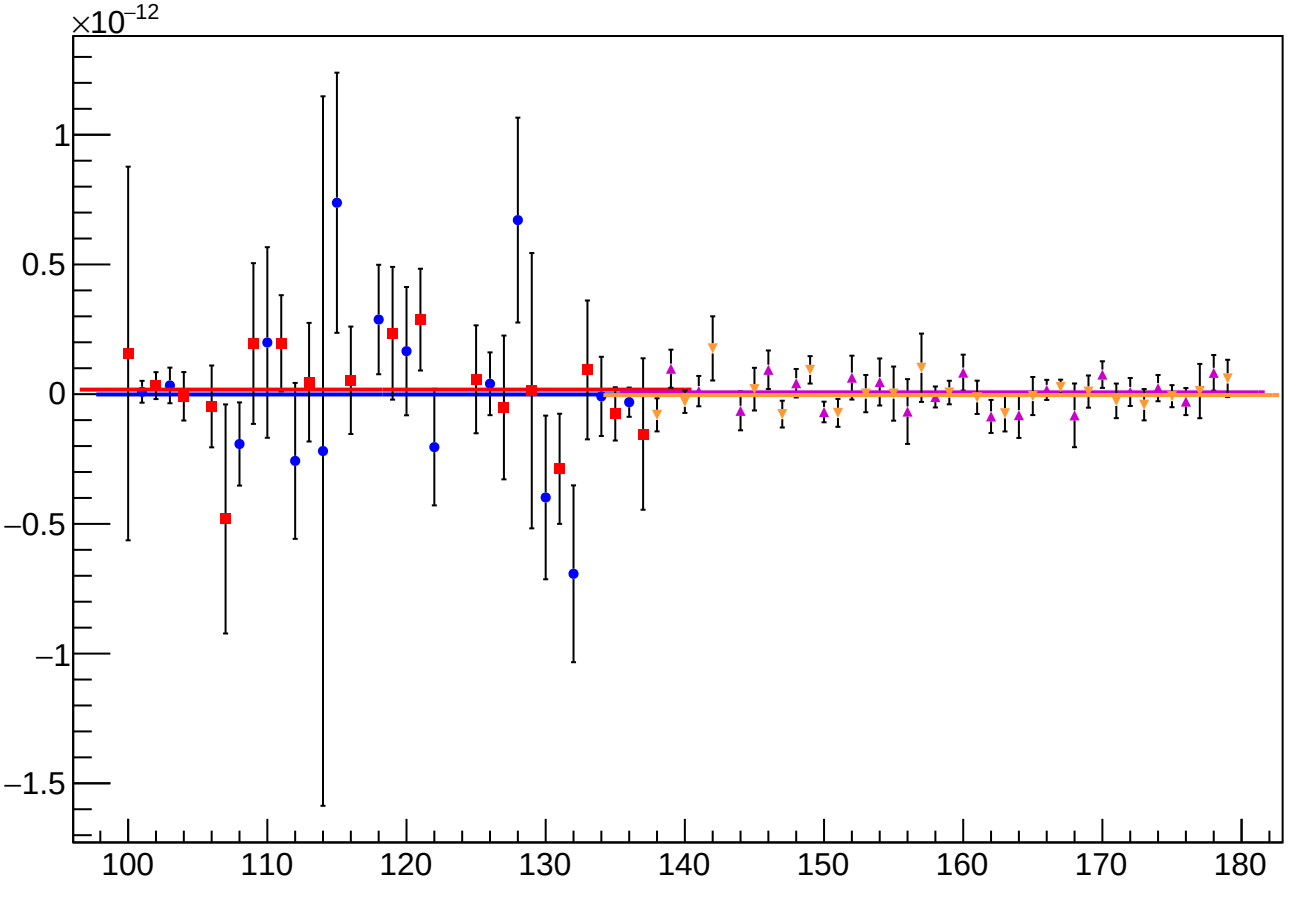
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3043.449+/-0.448 χ^2/NDF:806443.6/35

Out: 3060.292+/-0.447 χ^2/NDF:669106.8/38

All: 3051.887+/-0.316 χ^2/NDF: 1476259.7/74

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/19

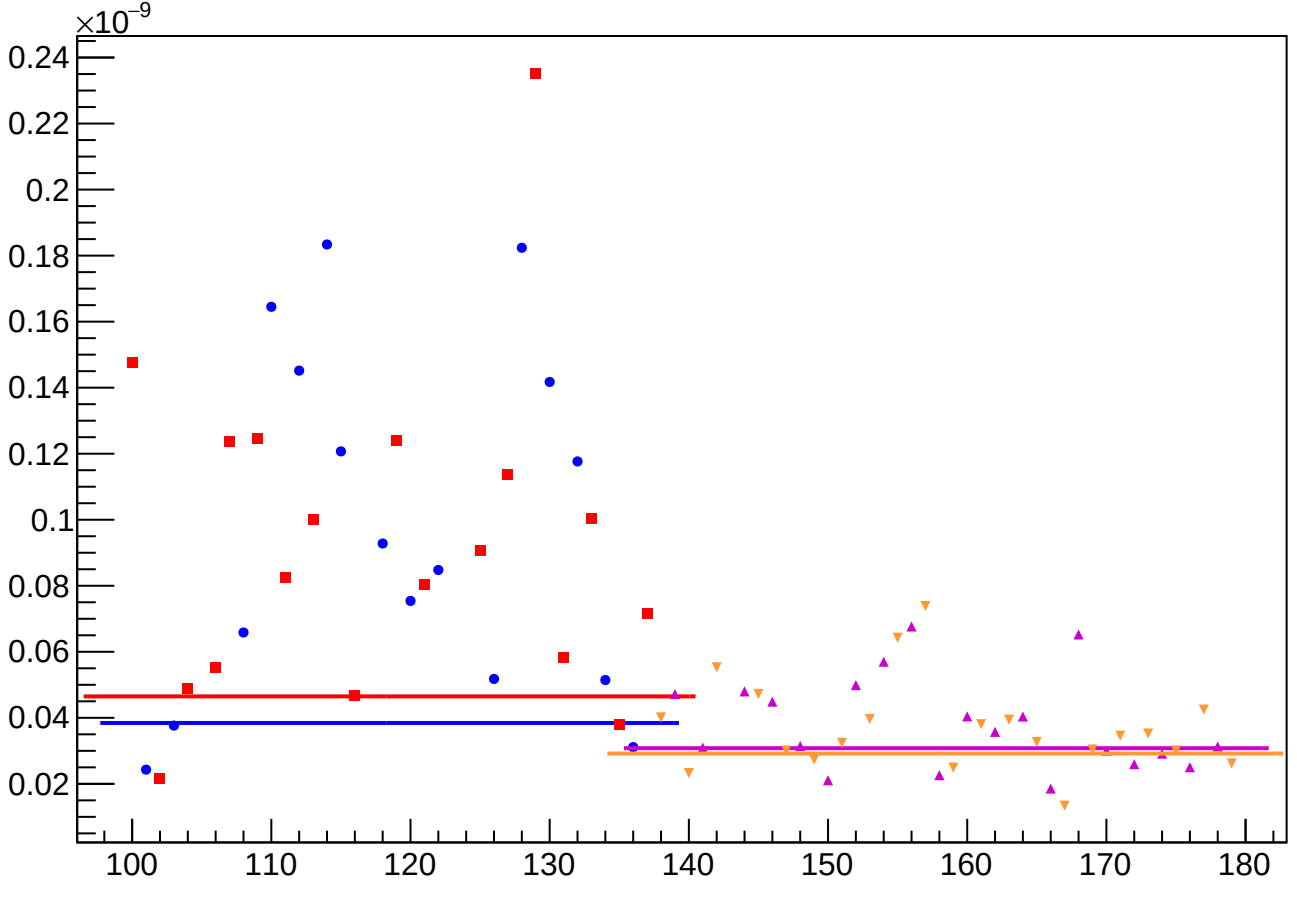
Left: 0.000+/-0.000 χ^2/NDF: 33.1/40

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:34.7/35

Out: -0.000+/-0.000 χ^2/NDF:24.6/38

All: 0.000+/-0.000 χ^2/NDF: 59.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1586545.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1395636.8/19

Left: 0.000+/-0.000 χ^2/NDF: 2998039.6/40

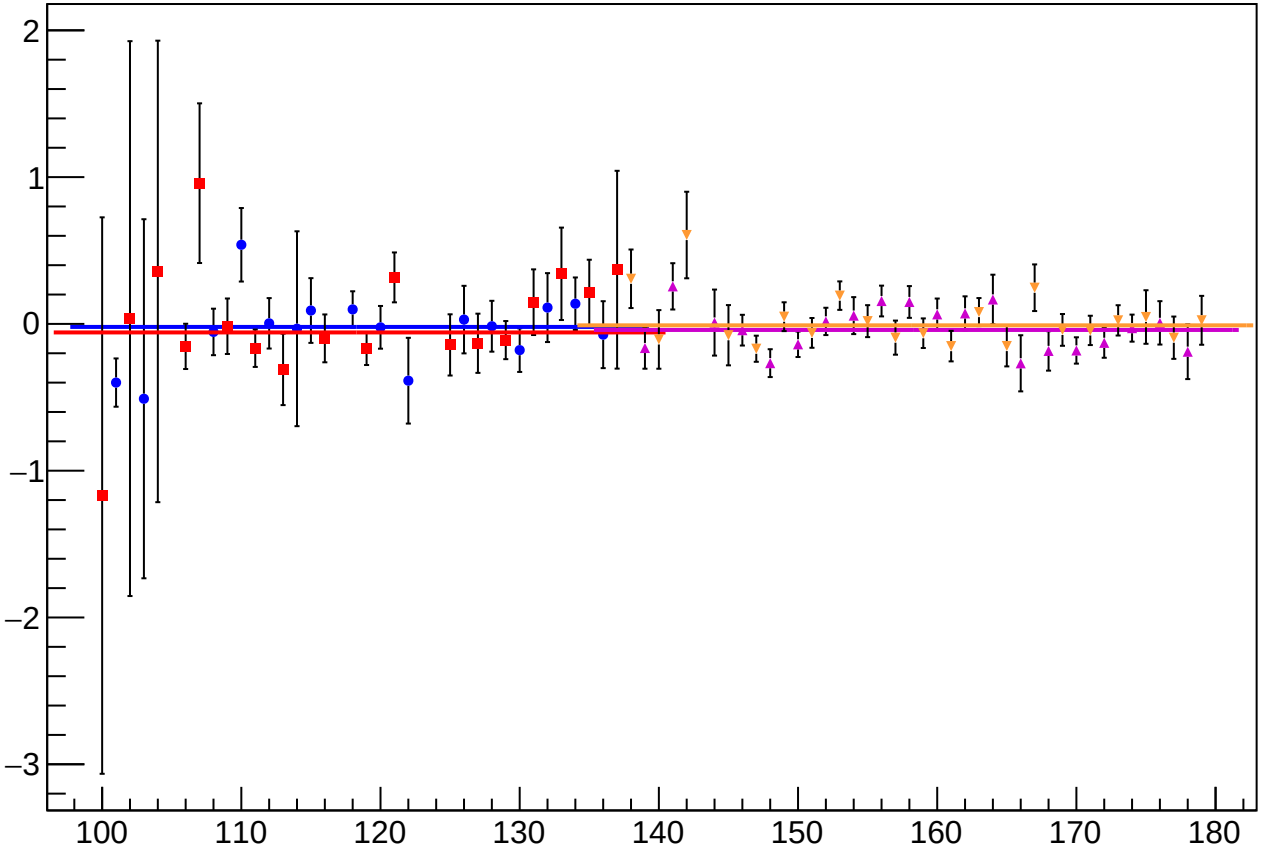
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3294597.2/35

Out: 0.000+/-0.000 χ^2/NDF:3728401.1/38

All: 0.000+/-0.000 χ^2/NDF: 7030981.2/74

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.026 χ^2/NDF:28.8/19

Left: -0.026+/-0.018 χ^2/NDF: 53.0/40

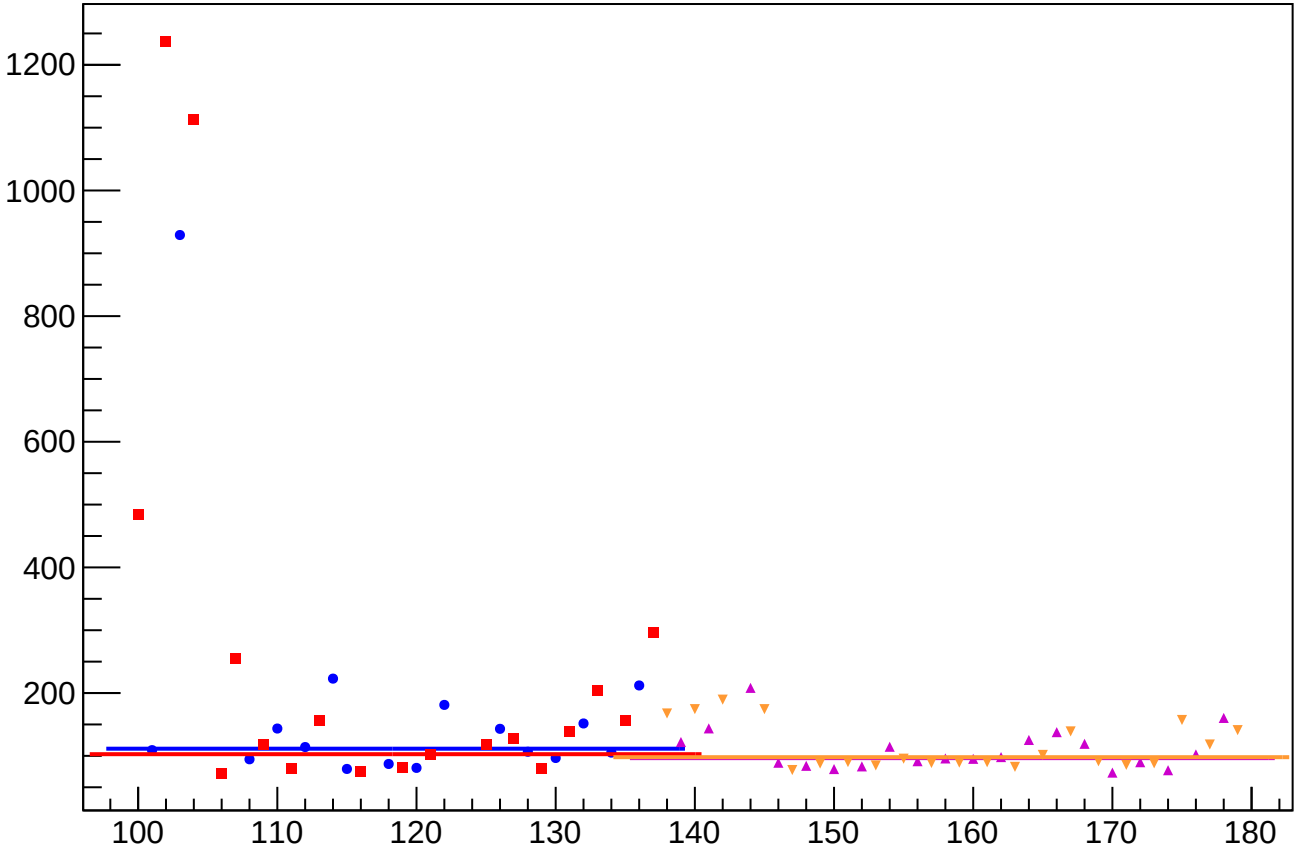
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.029+/-0.016 χ^2/NDF: 85.9/74

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.884+/-0.018 χ^2/NDF:1849008.0/20

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.399+/-0.018 χ^2/NDF:1626749.1/19

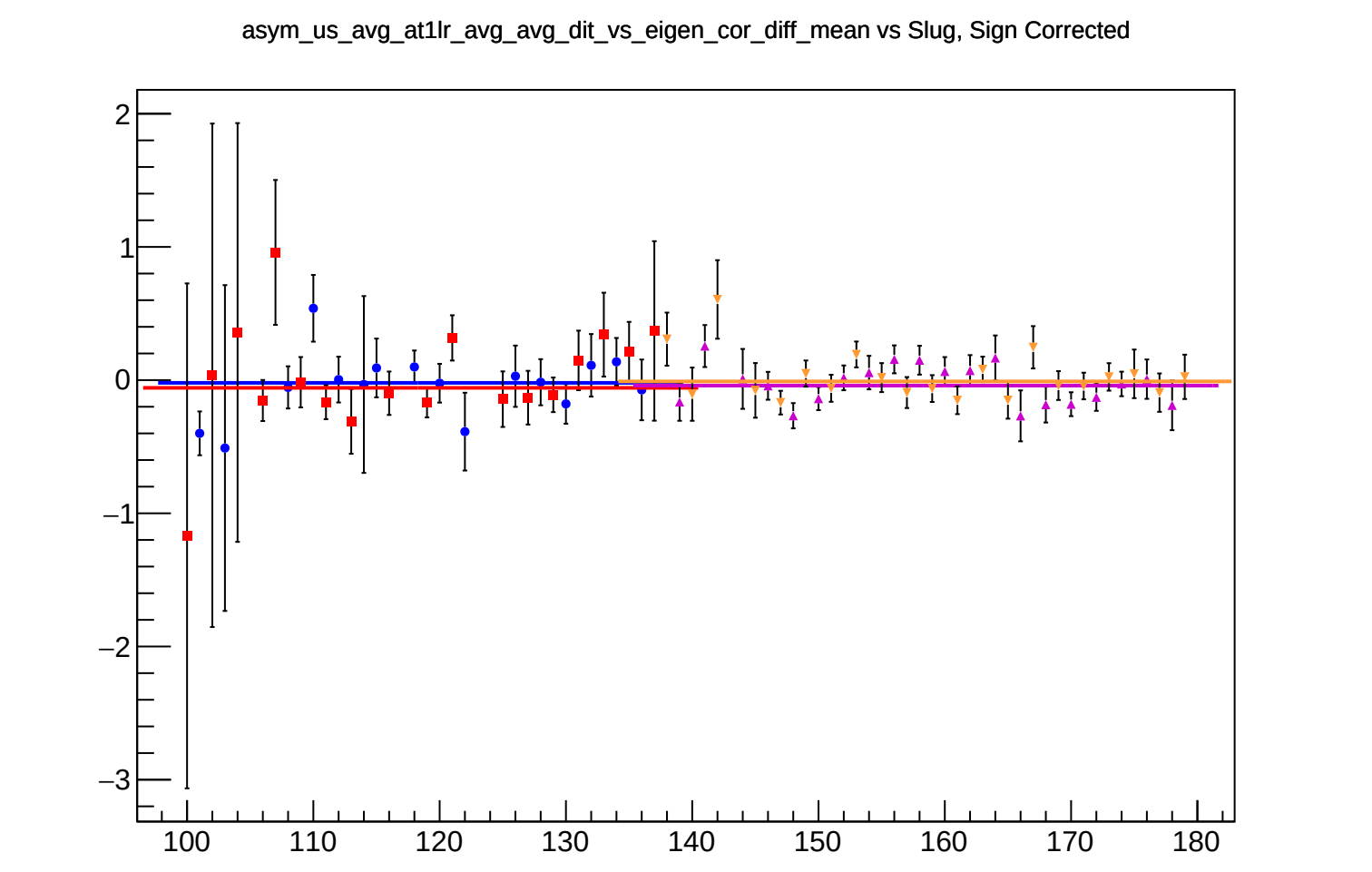
Left: 97.134+/-0.013 χ^2/NDF: 3479014.3/40

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 99.822+/-0.016 χ^2/NDF:3619389.3/35

Out: 99.037+/-0.016 χ^2/NDF:4692032.8/38

All: 99.430+/-0.011 χ^2/NDF: 8312611.7/74



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.026 χ^2/NDF:28.8/19

Left: -0.026+/-0.018 χ^2/NDF: 53.0/40

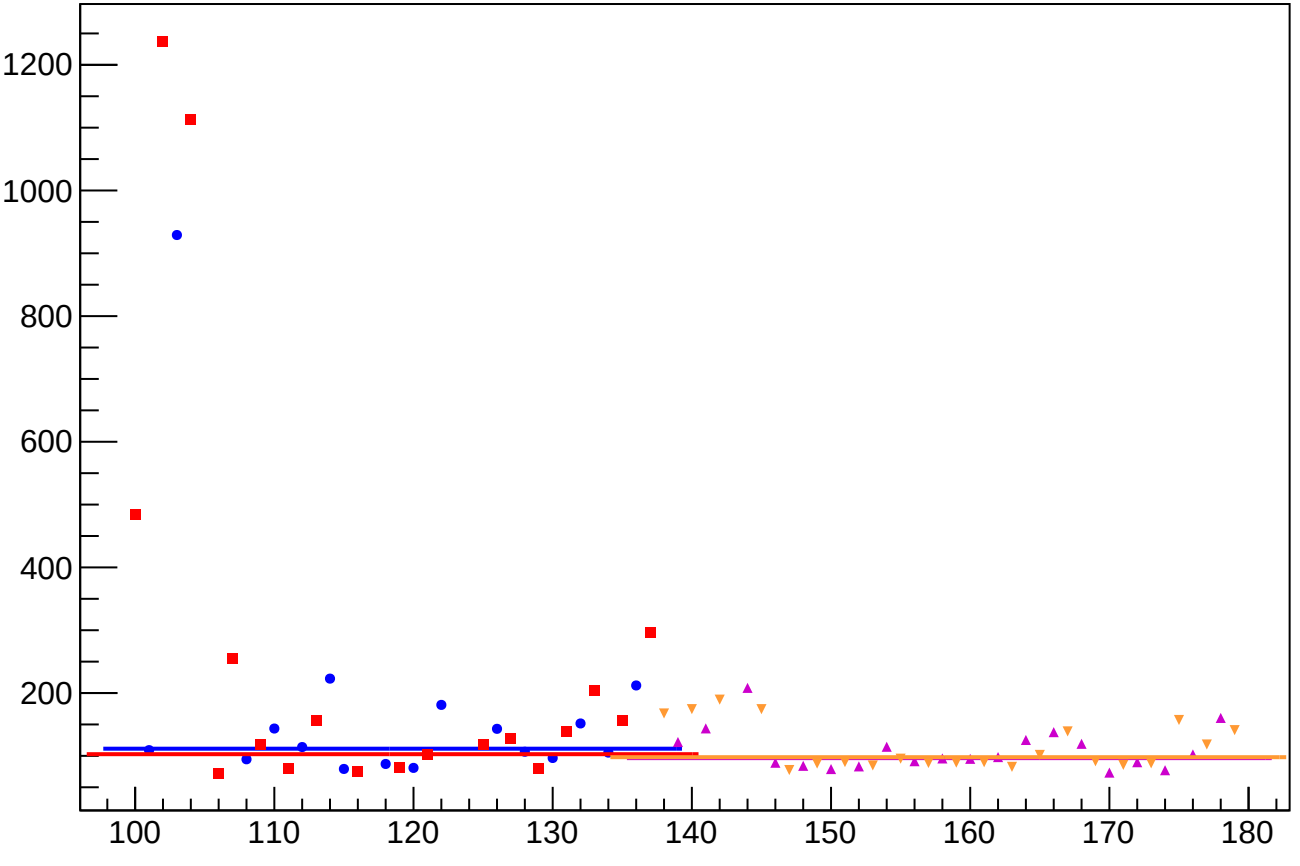
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.029+/-0.016 χ^2/NDF: 85.9/74

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.884+/-0.018 χ^2/NDF:1849008.0/20

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.399+/-0.018 χ^2/NDF:1626749.1/19

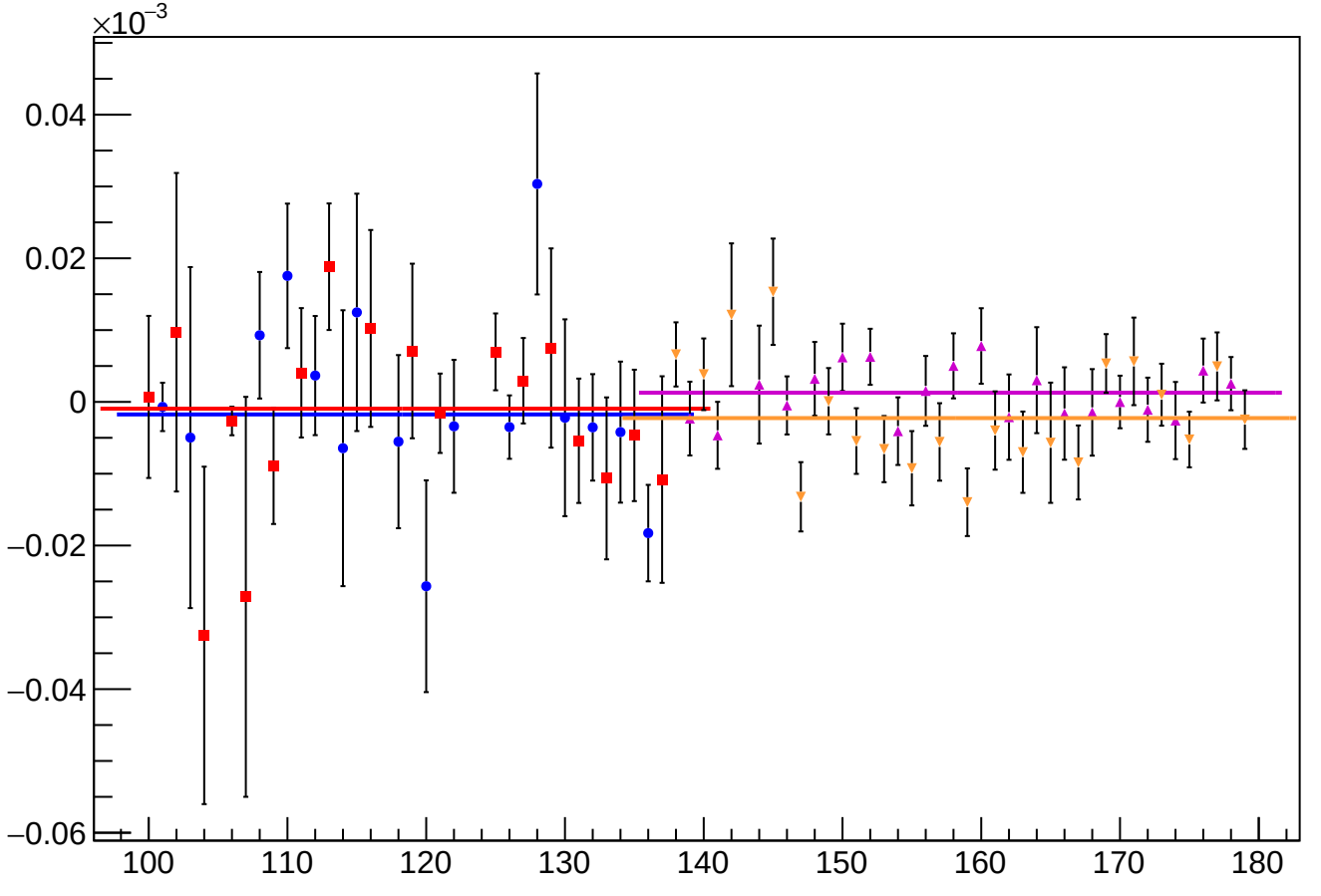
Left: 97.134+/-0.013 χ^2/NDF: 3479014.3/40

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 99.822+/-0.016 χ^2/NDF:3619389.3/35

Out: 99.037+/-0.016 χ^2/NDF:4692032.8/38

All: 99.430+/-0.011 χ^2/NDF: 8312611.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/19

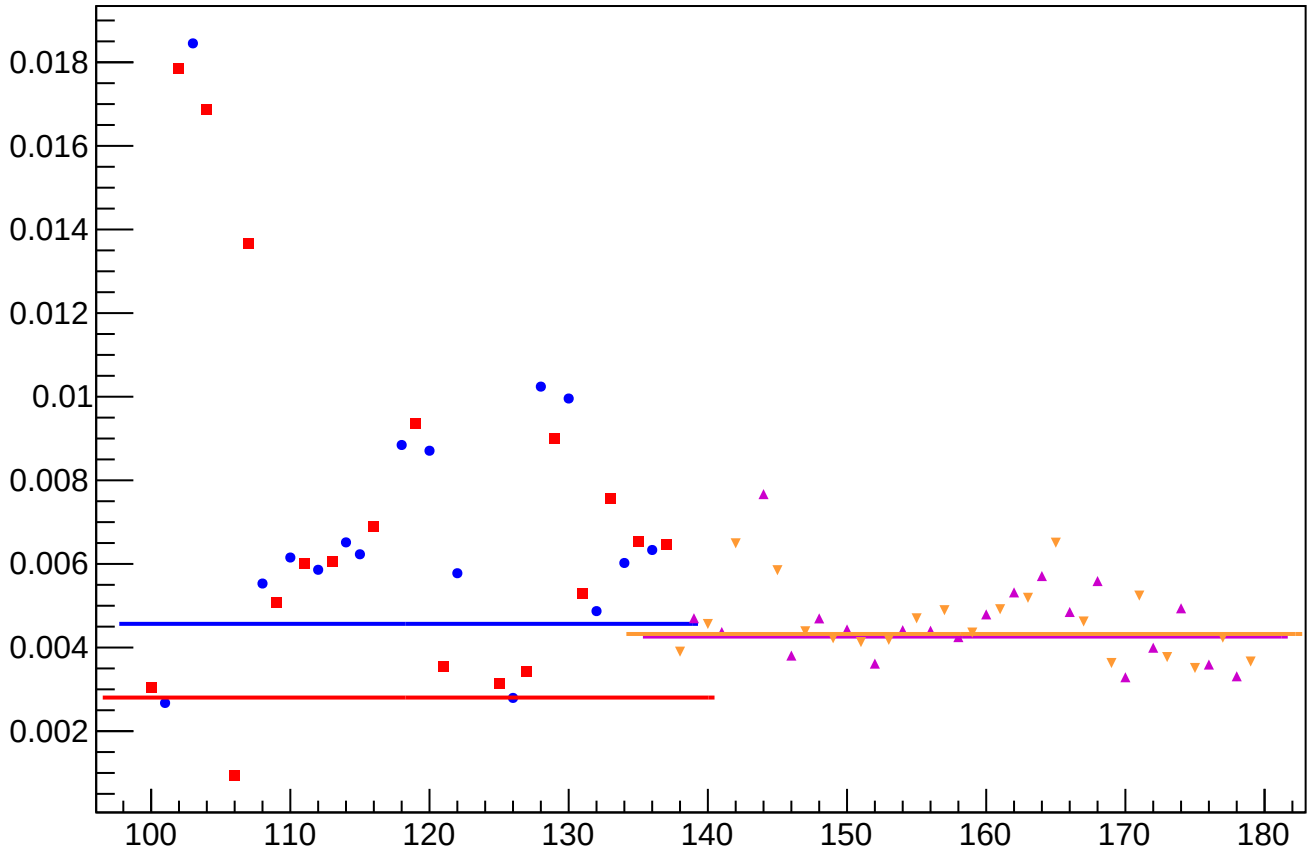
Left: -0.000+/-0.000 χ^2/NDF: 55.7/40

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:32.9/35

Out: -0.000+/-0.000 χ^2/NDF:55.6/38

All: -0.000+/-0.000 χ^2/NDF: 91.9/74



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:732199.5/20

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1092116.1/19

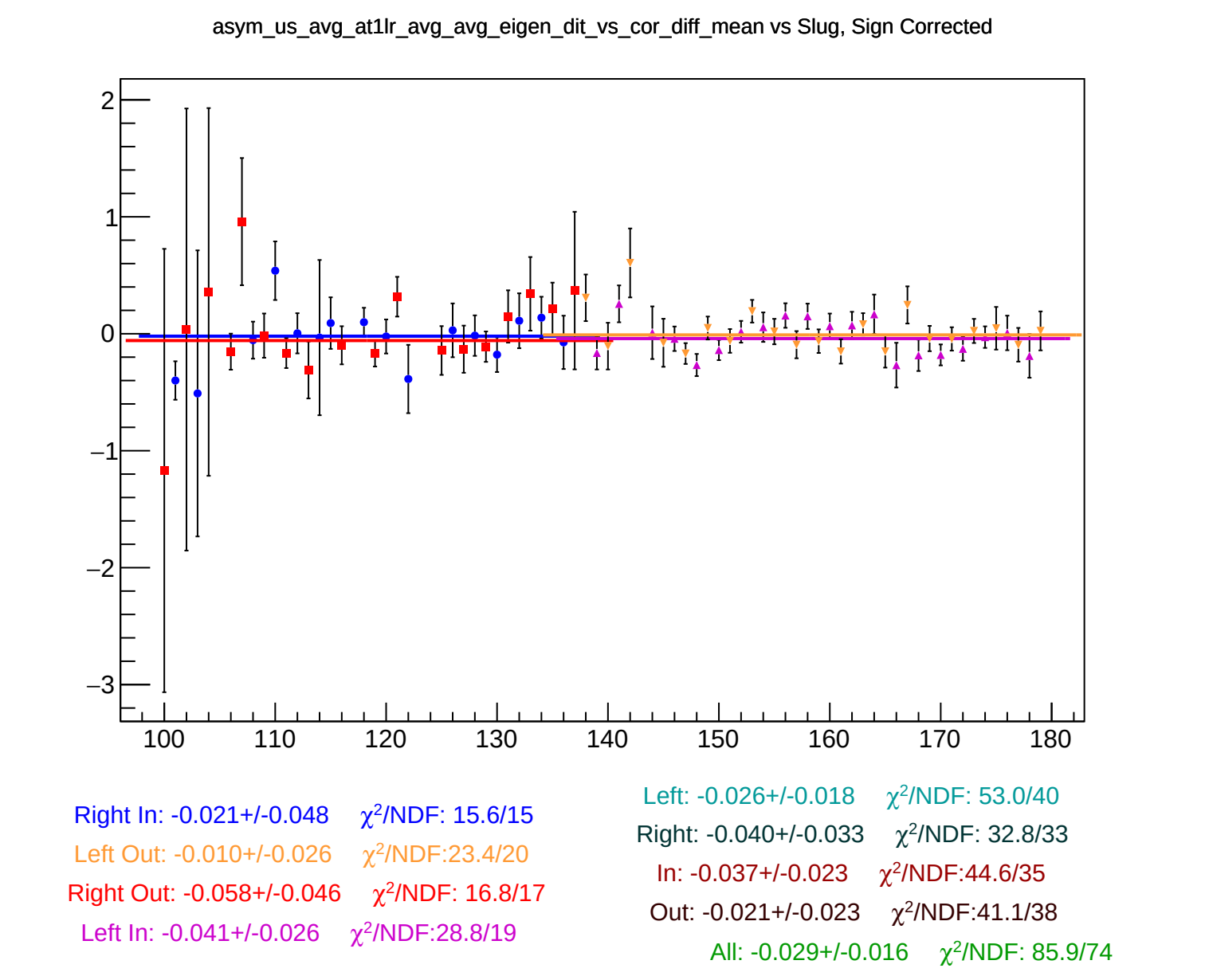
Left: 0.004+/-0.000 χ^2/NDF: 1827631.5/40

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

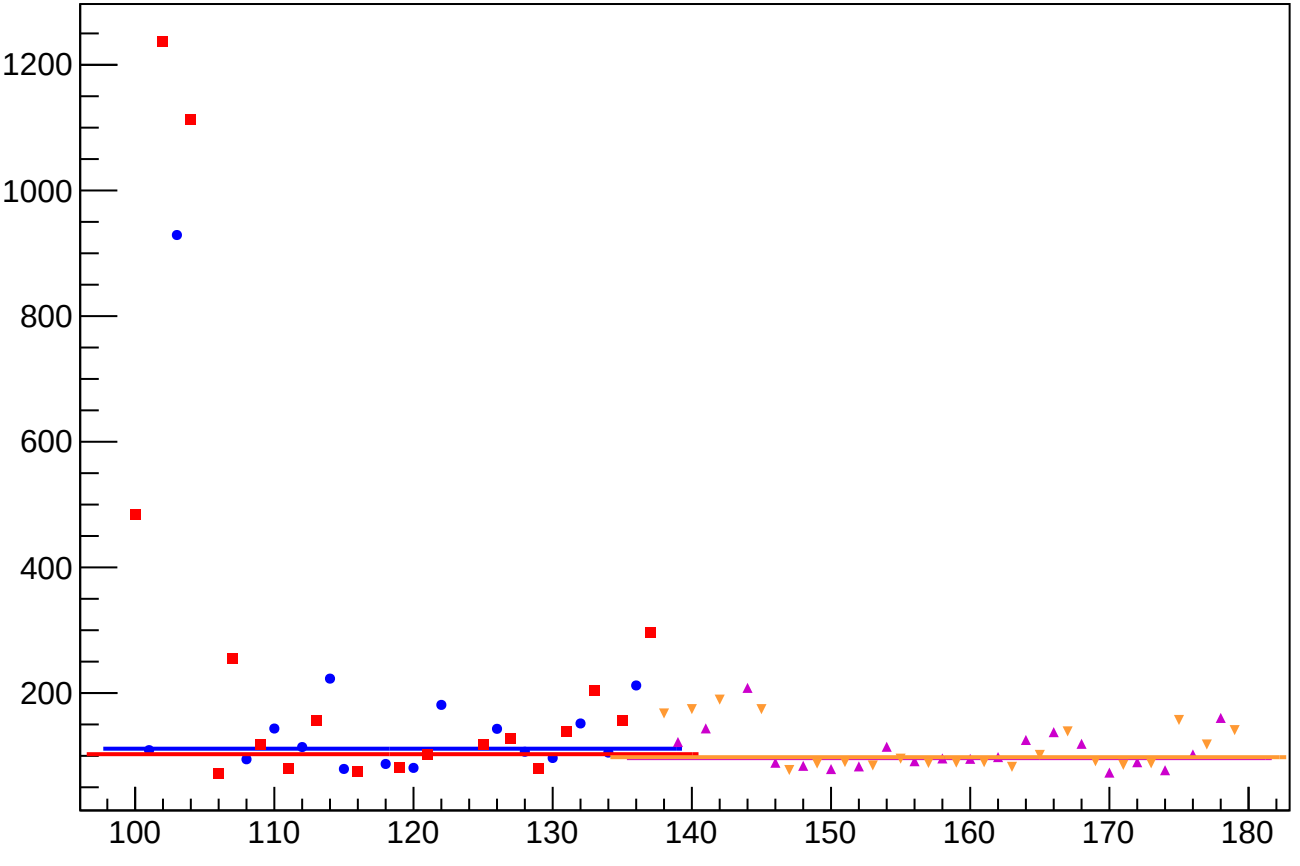
In: 0.004+/-0.000 χ^2/NDF:4142368.4/35

Out: 0.004+/-0.000 χ^2/NDF:8718024.0/38

All: 0.004+/-0.000 χ^2/NDF: 13217827.1/74


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.010+/-0.026 χ²/NDF:23.4/20
Right Out: -0.058+/-0.046 χ²/NDF: 16.8/17
Left In: -0.041+/-0.026 χ²/NDF:28.8/19
Left: -0.026+/-0.018 χ²/NDF: 53.0/40
Right: -0.040+/-0.033 χ²/NDF: 32.8/33
In: -0.037+/-0.023 χ²/NDF:44.6/35
Out: -0.021+/-0.023 χ²/NDF:41.1/38
All: -0.029+/-0.016 χ²/NDF: 85.9/74

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.884+/-0.018 χ^2/NDF:1848971.3/20

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.399+/-0.018 χ^2/NDF:1626720.1/19

Left: 97.135+/-0.013 χ^2/NDF: 3478949.6/40

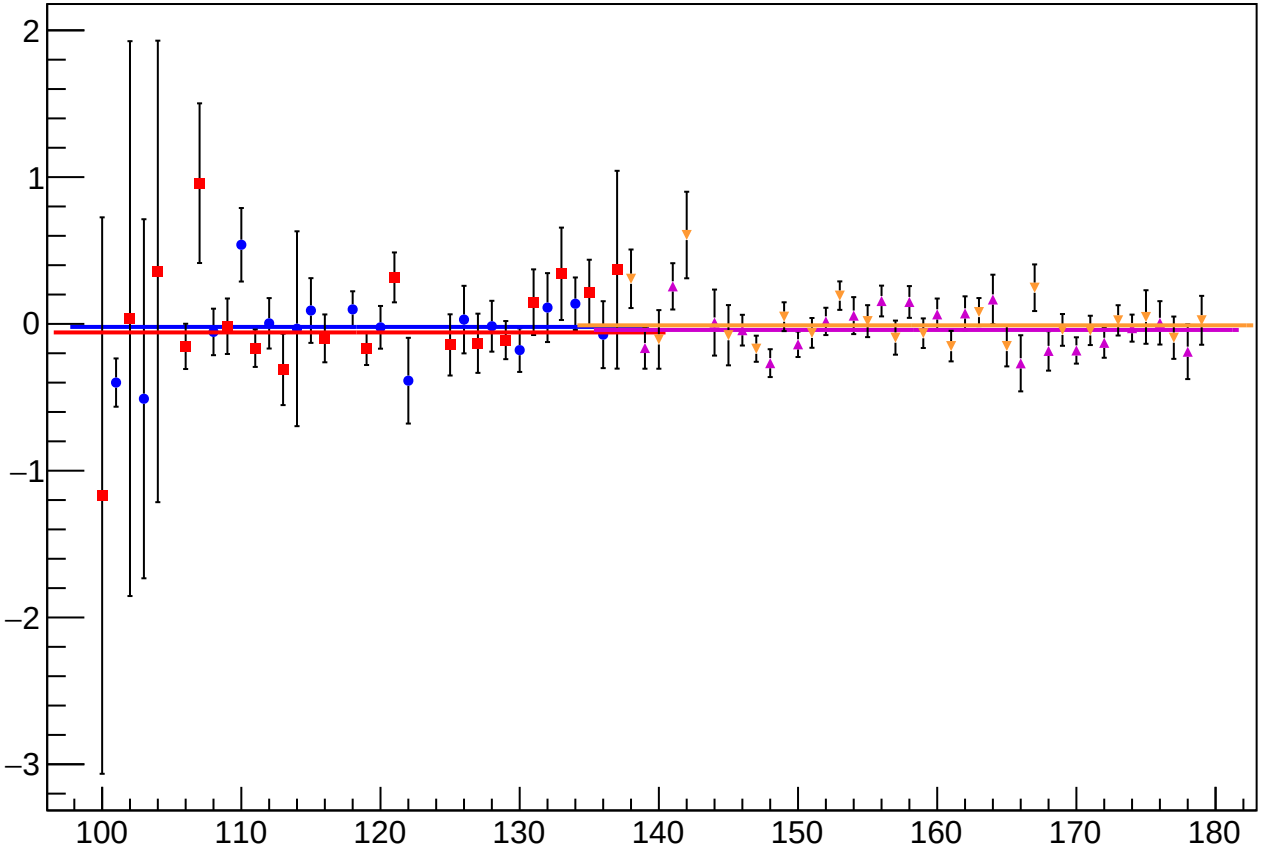
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 99.822+/-0.016 χ^2/NDF:3619346.4/35

Out: 99.037+/-0.016 χ^2/NDF:4691976.4/38

All: 99.430+/-0.011 χ^2/NDF: 8312511.5/74

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.010+/-0.026 χ^2/NDF:23.4/20

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.026 χ^2/NDF:28.8/19

Left: -0.026+/-0.018 χ^2/NDF: 53.0/40

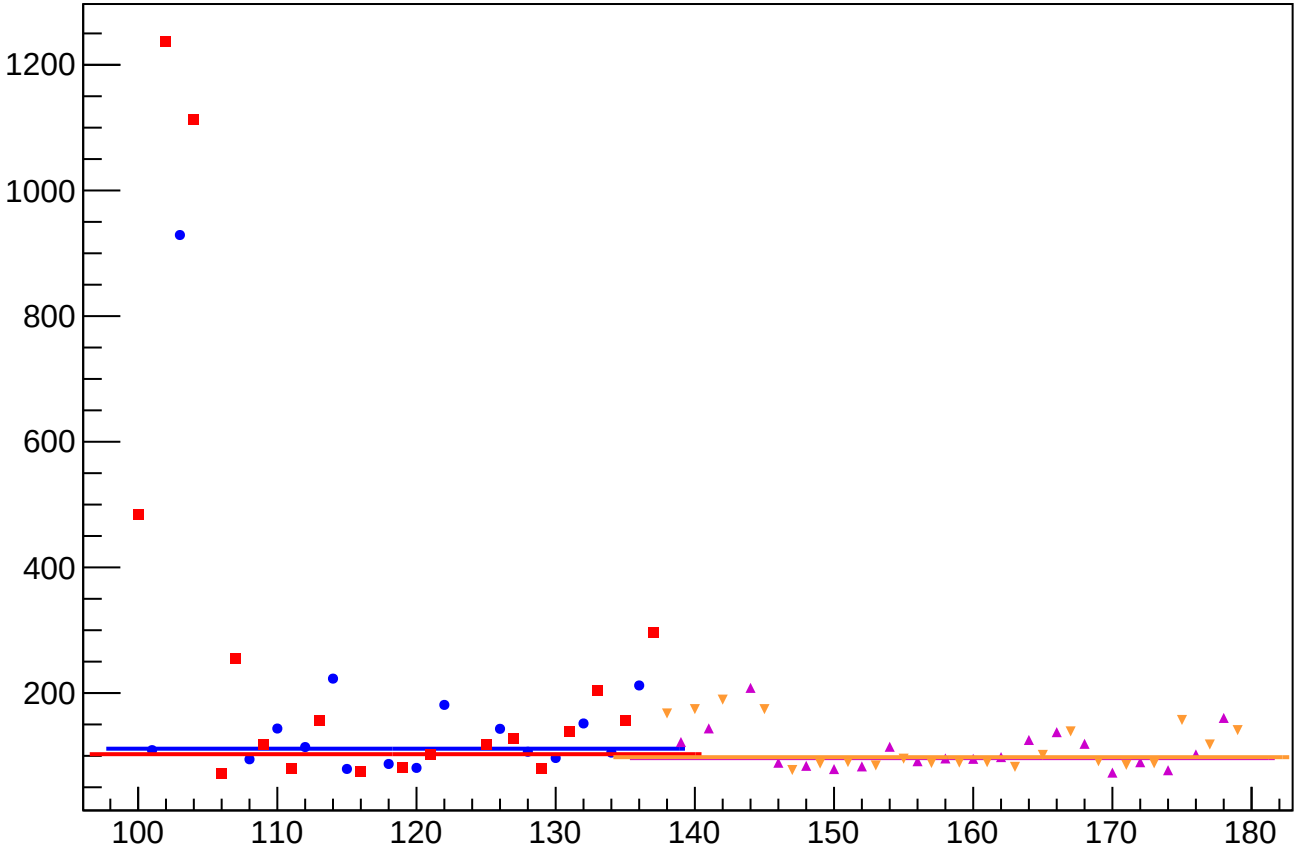
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.021+/-0.023 χ^2/NDF:41.1/38

All: -0.029+/-0.016 χ^2/NDF: 85.9/74

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.884+/-0.018 χ^2/NDF:1848971.3/20

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.399+/-0.018 χ^2/NDF:1626720.1/19

Left: 97.135+/-0.013 χ^2/NDF: 3478949.6/40

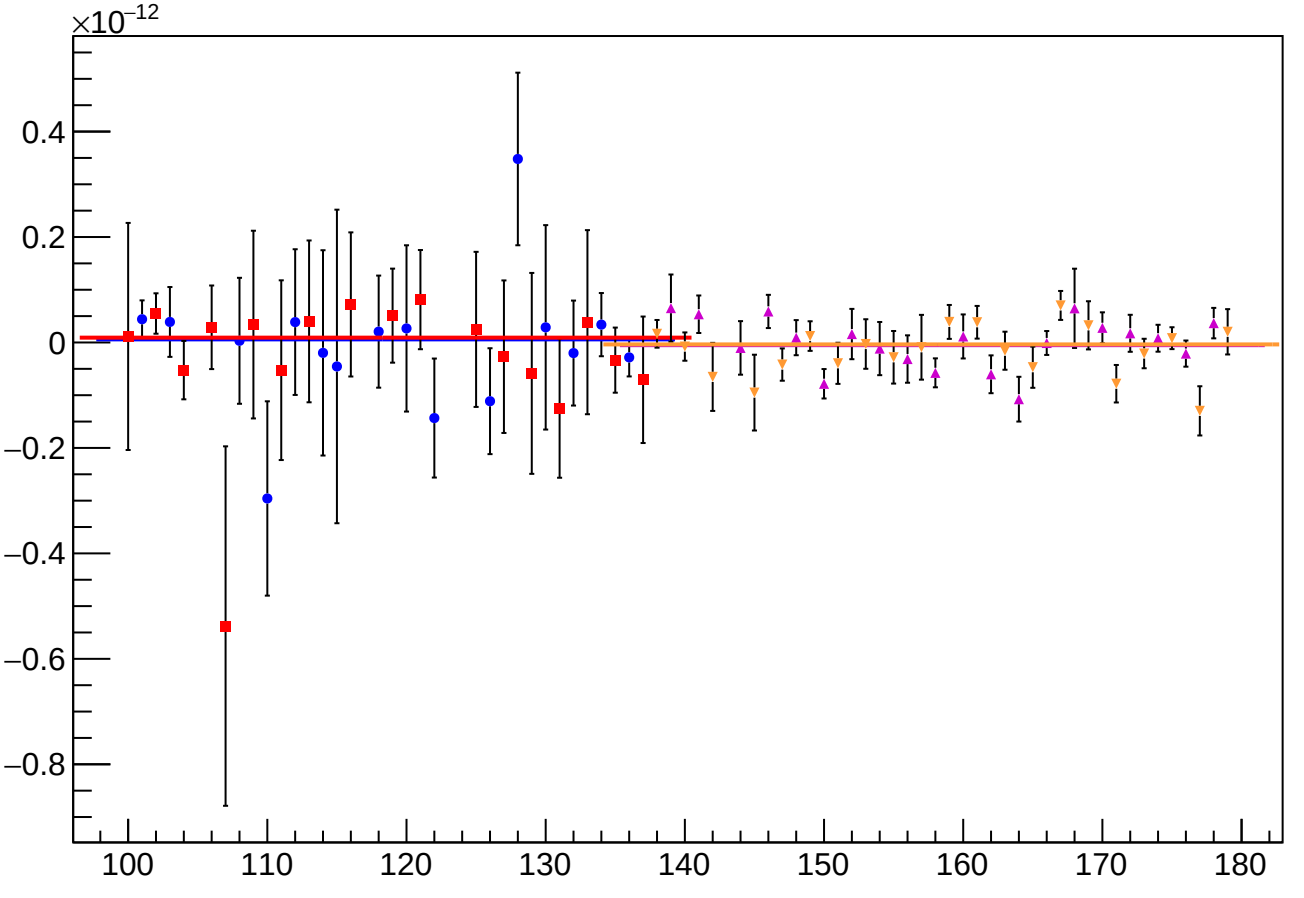
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 99.822+/-0.016 χ^2/NDF:3619346.4/35

Out: 99.037+/-0.016 χ^2/NDF:4691976.4/38

All: 99.430+/-0.011 χ^2/NDF: 8312511.5/74

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:33.0/19

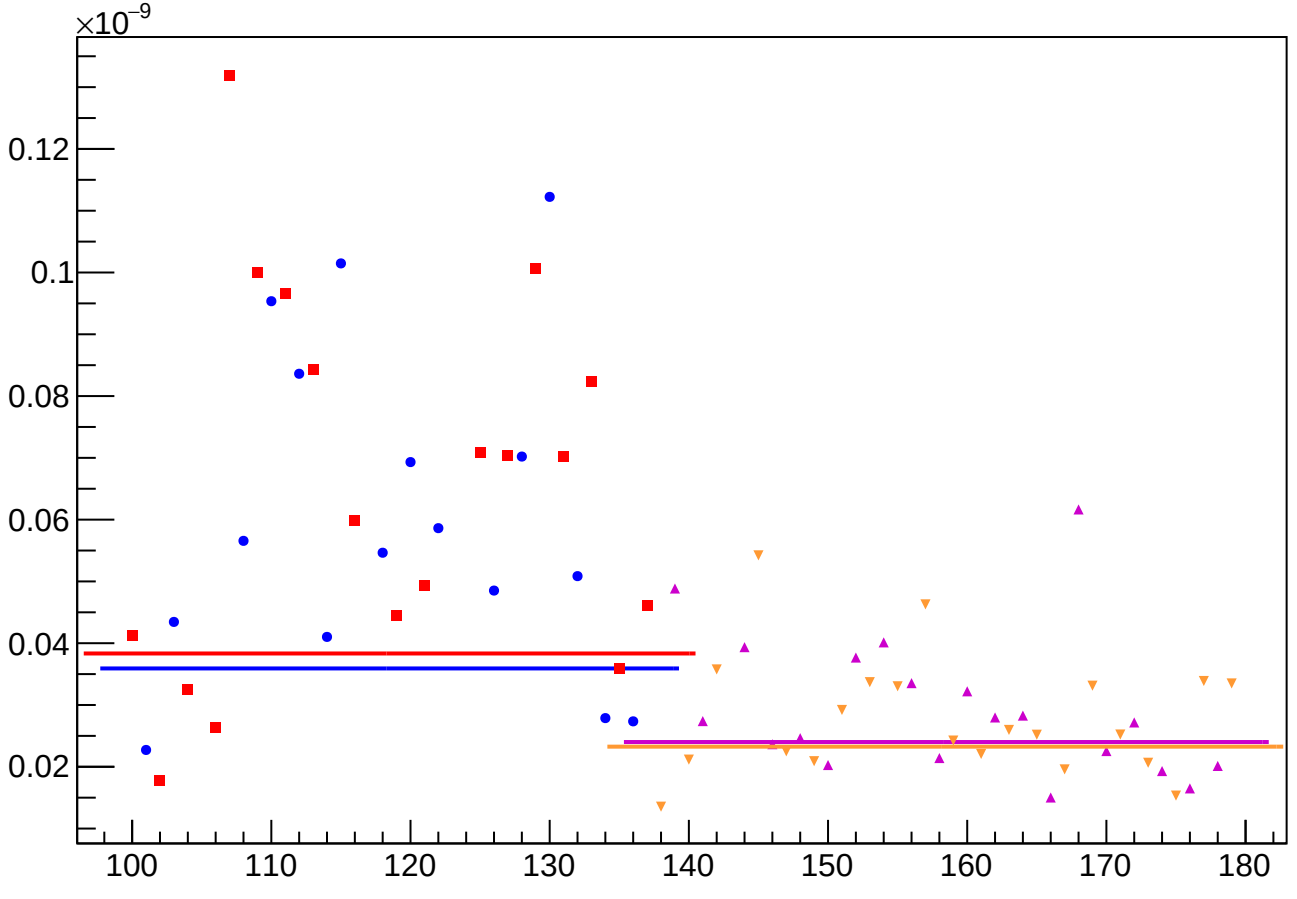
Left: -0.000+/-0.000 χ^2/NDF: 64.7/40

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:46.2/35

Out: -0.000+/-0.000 χ^2/NDF:40.6/38

All: -0.000+/-0.000 χ^2/NDF: 86.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1932966.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2264383.9/19

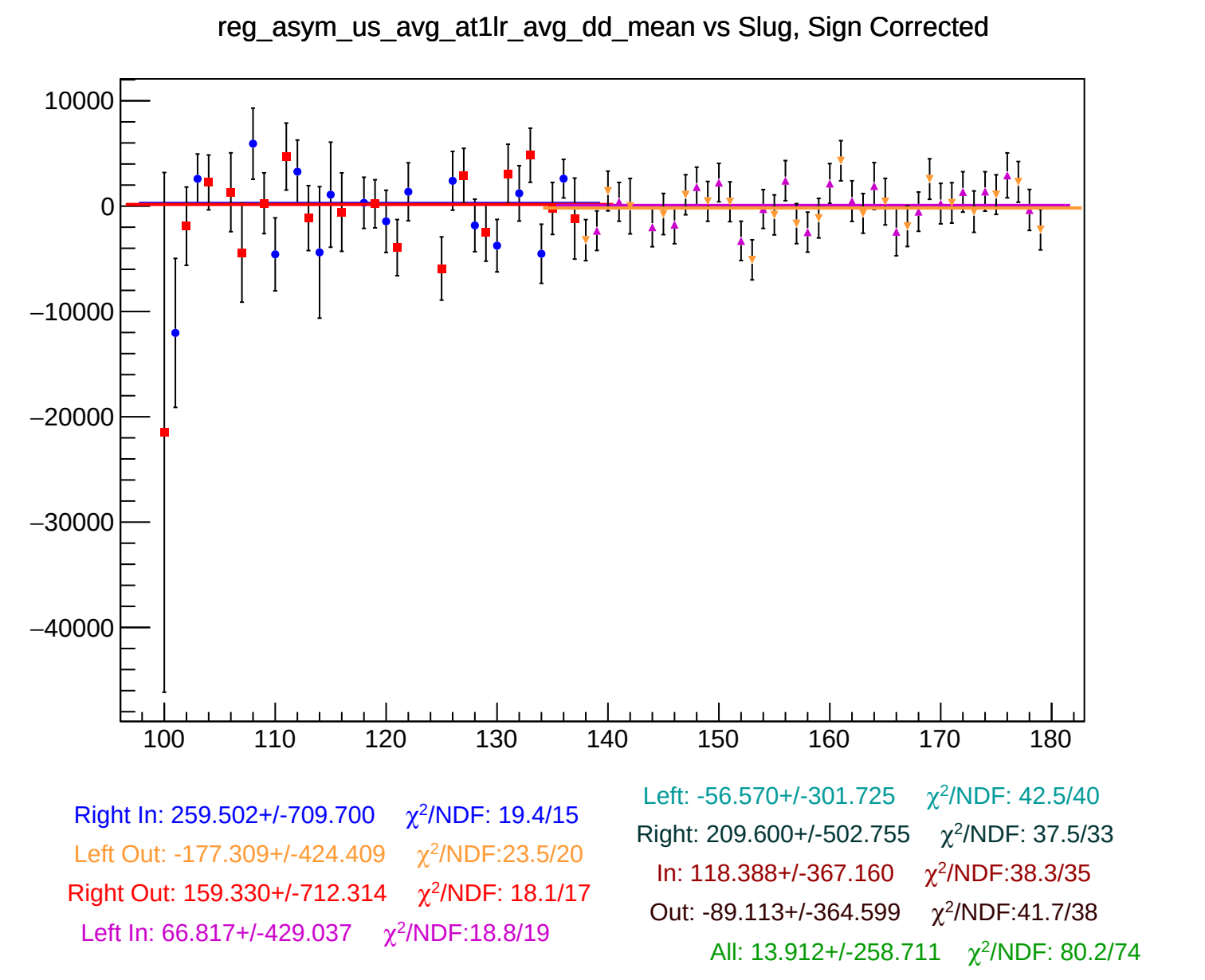
Left: 0.000+/-0.000 χ^2/NDF: 4207376.8/40

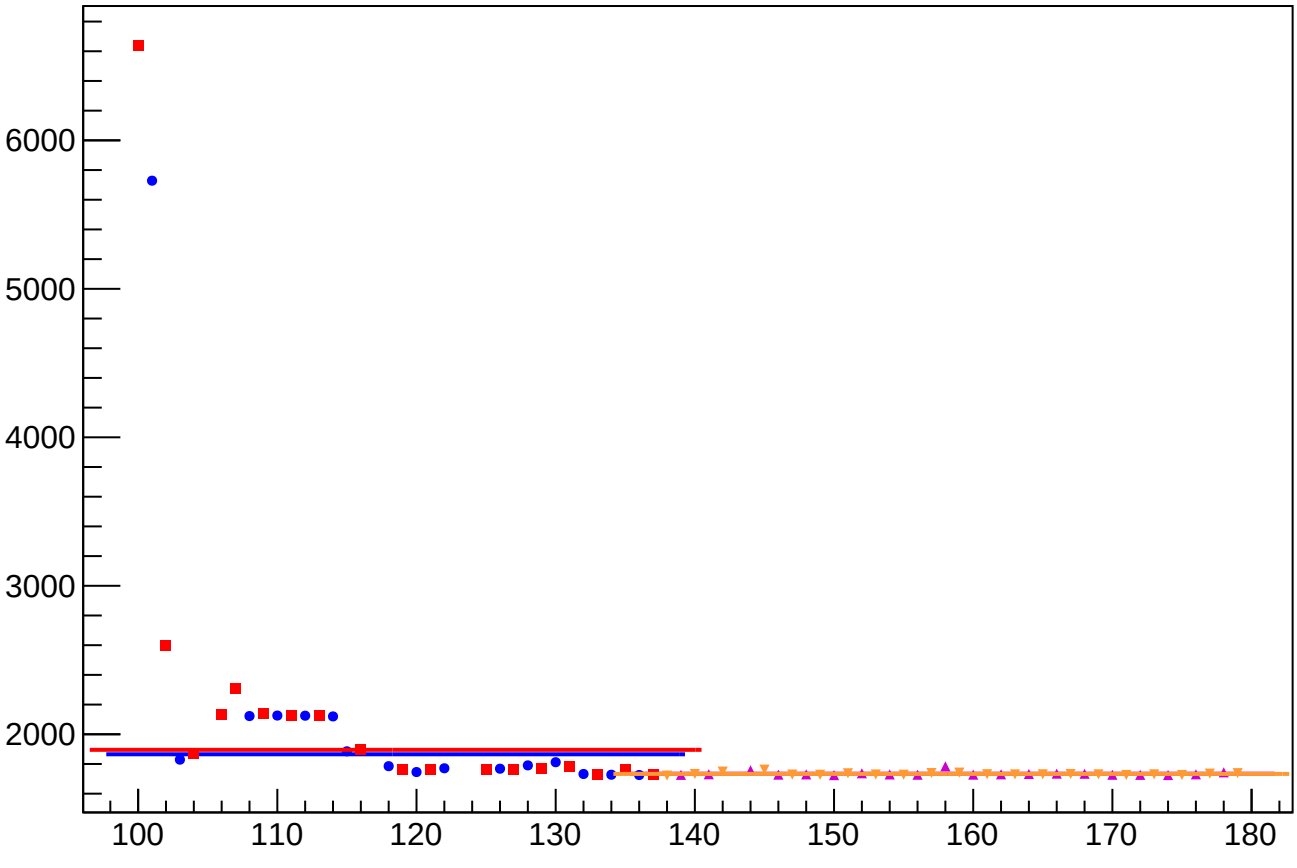
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4691366.3/35

Out: 0.000+/-0.000 χ^2/NDF:5005788.8/38

All: 0.000+/-0.000 χ^2/NDF: 9708205.3/74


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 259.502+/-709.700 χ²/NDF: 19.4/15
Left Out: -177.309+/-424.409 χ²/NDF:23.5/20
Right Out: 159.330+/-712.314 χ²/NDF: 18.1/17
Left In: 66.817+/-429.037 χ²/NDF:18.8/19
Left: -56.570+/-301.725 χ²/NDF: 42.5/40
Right: 209.600+/-502.755 χ²/NDF: 37.5/33
In: 118.388+/-367.160 χ²/NDF:38.3/35
Out: -89.113+/-364.599 χ²/NDF:41.7/38
All: 13.912+/-258.711 χ²/NDF: 80.2/74



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.054+/-0.300 χ^2/NDF:790.6/20

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

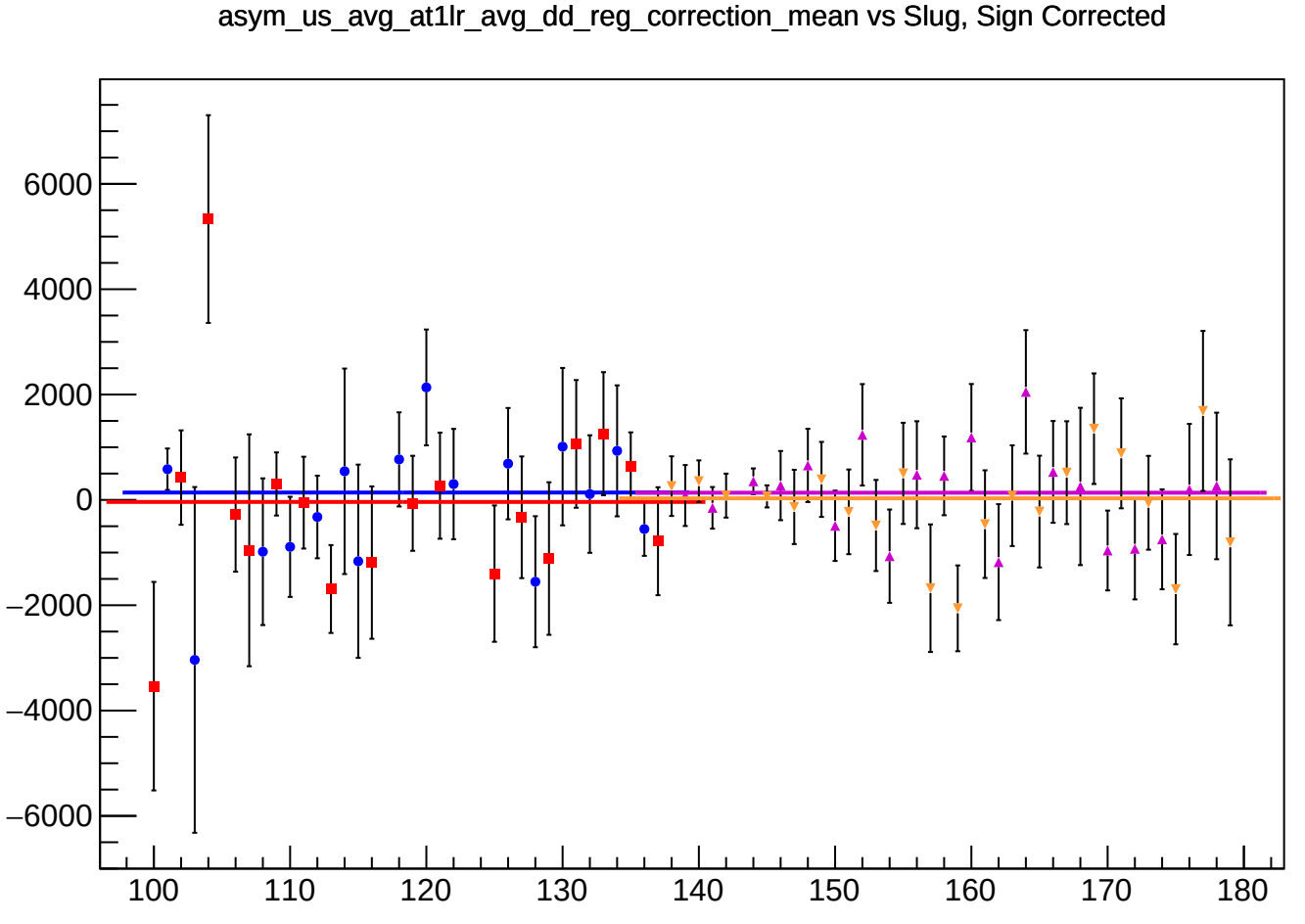
Left: 1733.805+/-0.213 χ^2/NDF: 2863.7/40

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1769.527+/-0.260 χ^2/NDF:724384.0/35

Out: 1775.548+/-0.258 χ^2/NDF:328126.0/38

All: 1772.559+/-0.183 χ^2/NDF: 1052780.8/74



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 29.547+/-132.567 χ^2/NDF:17.4/20

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 136.412+/-145.986 χ^2/NDF:15.8/19

Left: 77.843+/-98.141 χ^2/NDF: 33.5/40

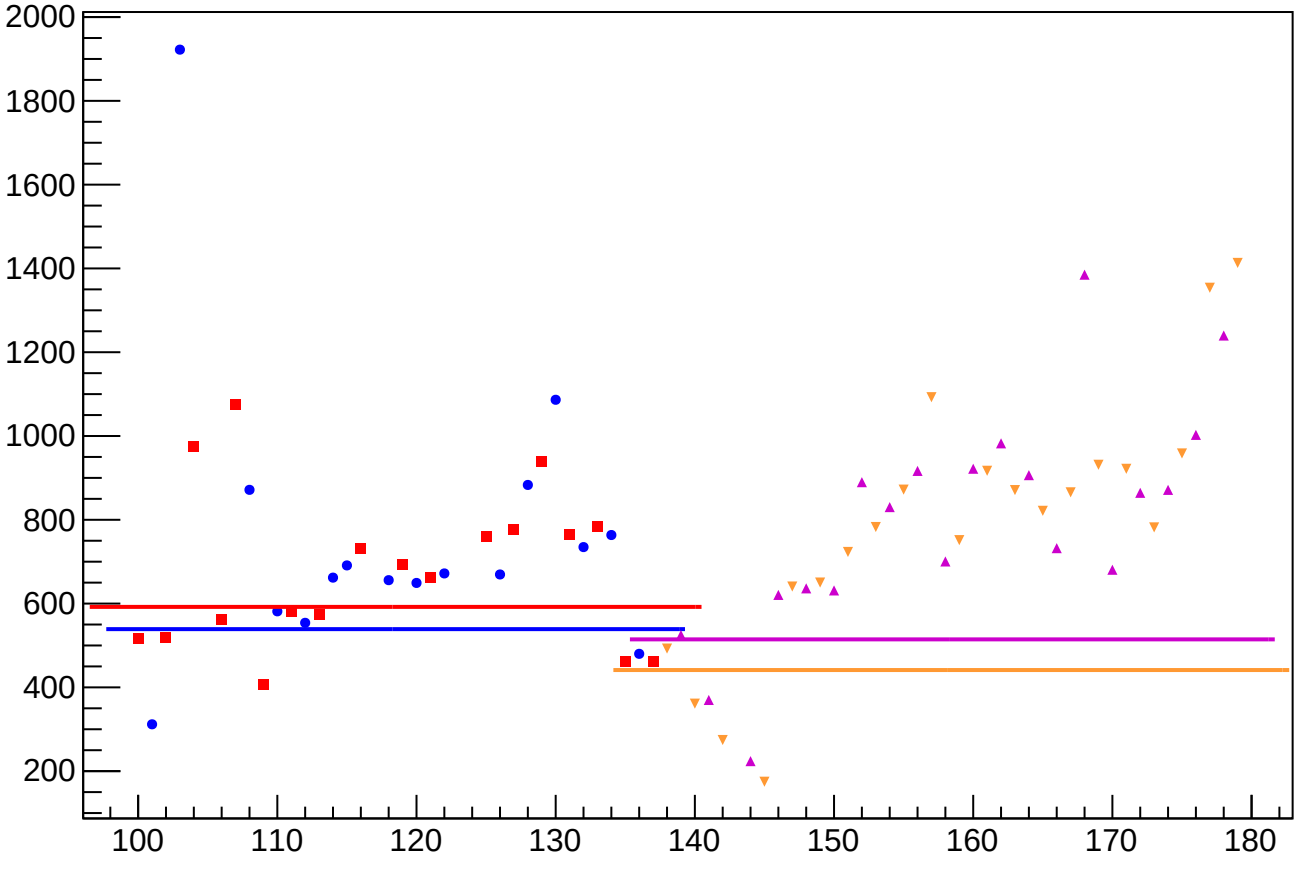
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 137.447+/-121.658 χ^2/NDF:29.3/35

Out: 13.430+/-115.842 χ^2/NDF:38.9/38

All: 72.403+/-83.894 χ^2/NDF: 68.7/74

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 441.361+/-0.094 χ^2/NDF:10396318.1/20

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 514.558+/-0.103 χ^2/NDF:7435606.3/19

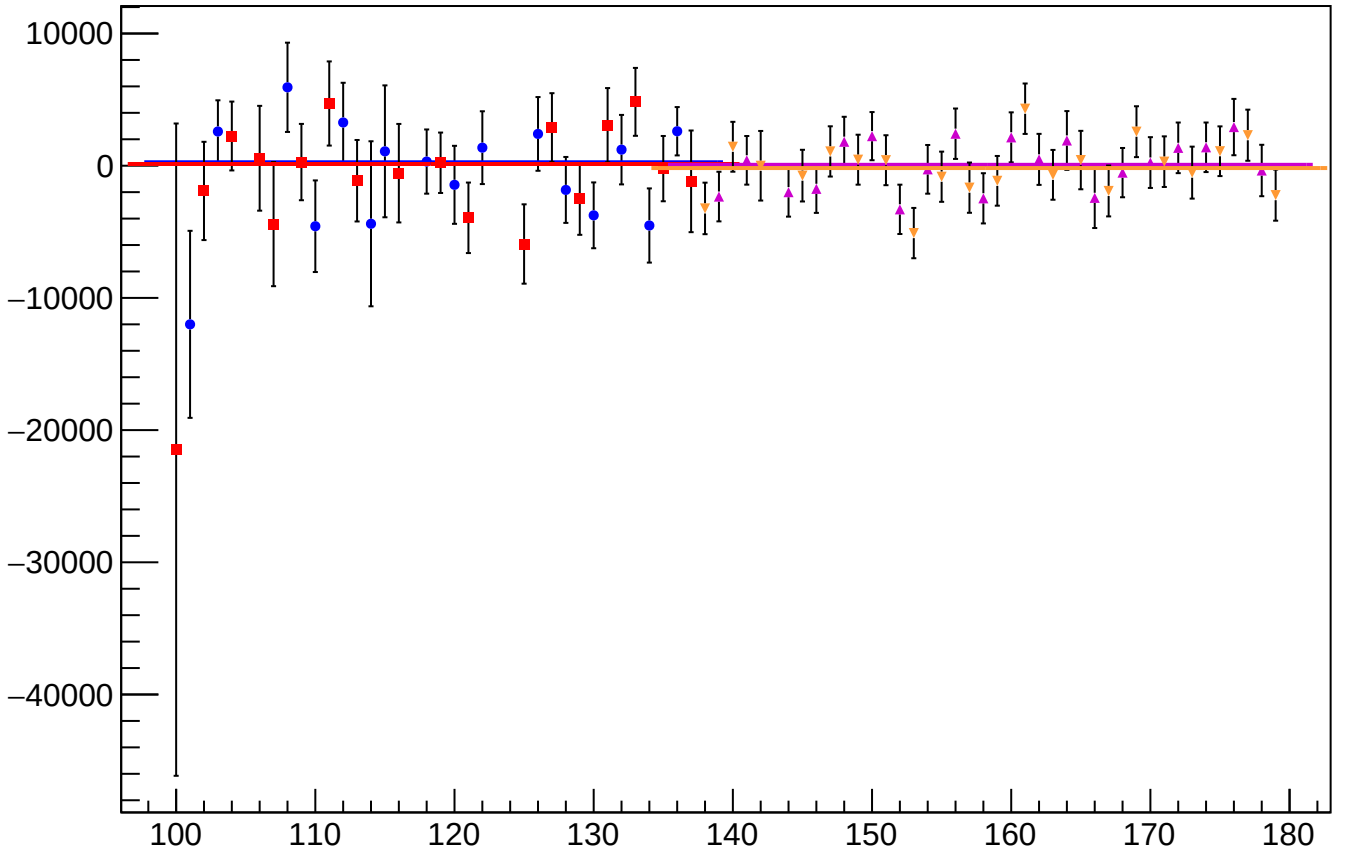
Left: 474.441+/-0.069 χ^2/NDF: 18107484.1/40

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 522.030+/-0.086 χ^2/NDF:9307334.5/35

Out: 476.997+/-0.082 χ^2/NDF:11850706.7/38

All: 498.411+/-0.059 χ^2/NDF: 21301768.9/74



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.254+/-424.409 χ^2/NDF:23.5/20

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 66.755+/-429.037 χ^2/NDF:18.8/19

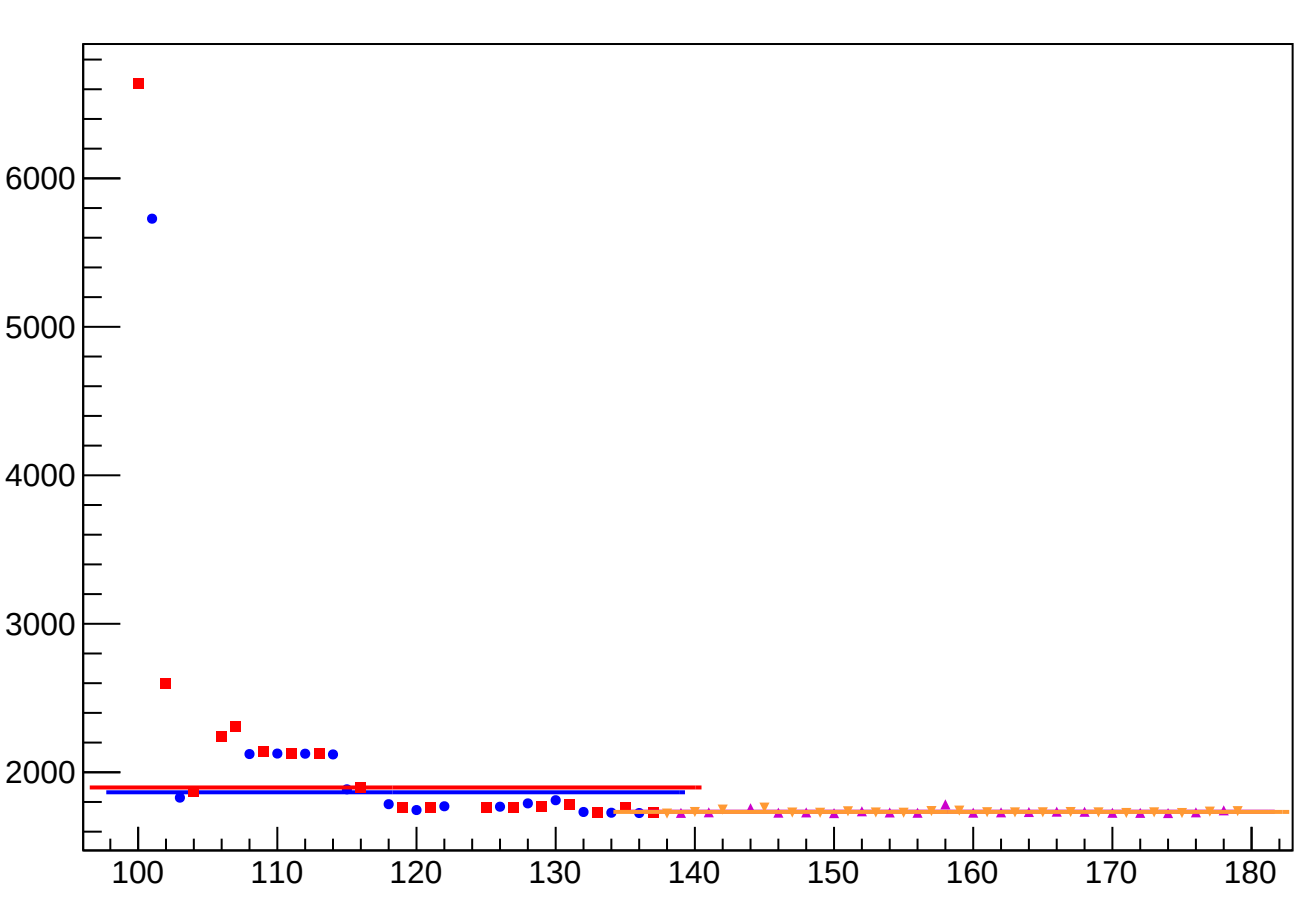
Left: -56.573+/-301.725 χ^2/NDF: 42.5/40

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 118.393+/-367.160 χ^2/NDF:38.3/35

Out: -96.978+/-364.787 χ^2/NDF:41.6/38

All: 10.009+/-258.778 χ^2/NDF: 80.1/74



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

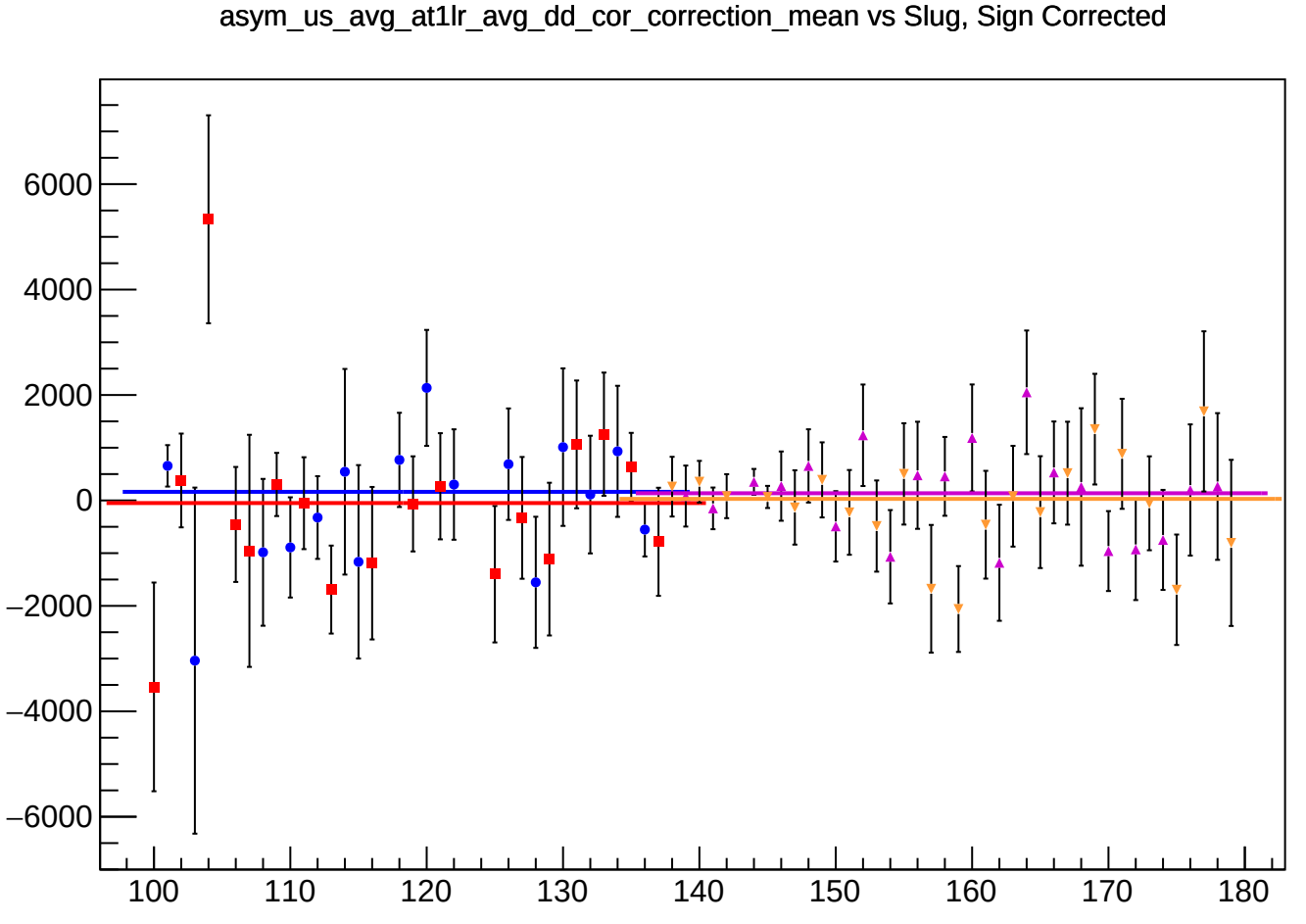
Left: 1733.805+/-0.213 χ^2/NDF: 2863.7/40

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1769.527+/-0.260 χ^2/NDF:724383.8/35

Out: 1776.065+/-0.258 χ^2/NDF:337154.5/38

All: 1772.817+/-0.183 χ^2/NDF: 1061857.5/74



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 29.431+/-132.569 χ^2/NDF:17.4/20

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 136.388+/-145.987 χ^2/NDF:15.8/19

Left: 77.769+/-98.142 χ^2/NDF: 33.5/40

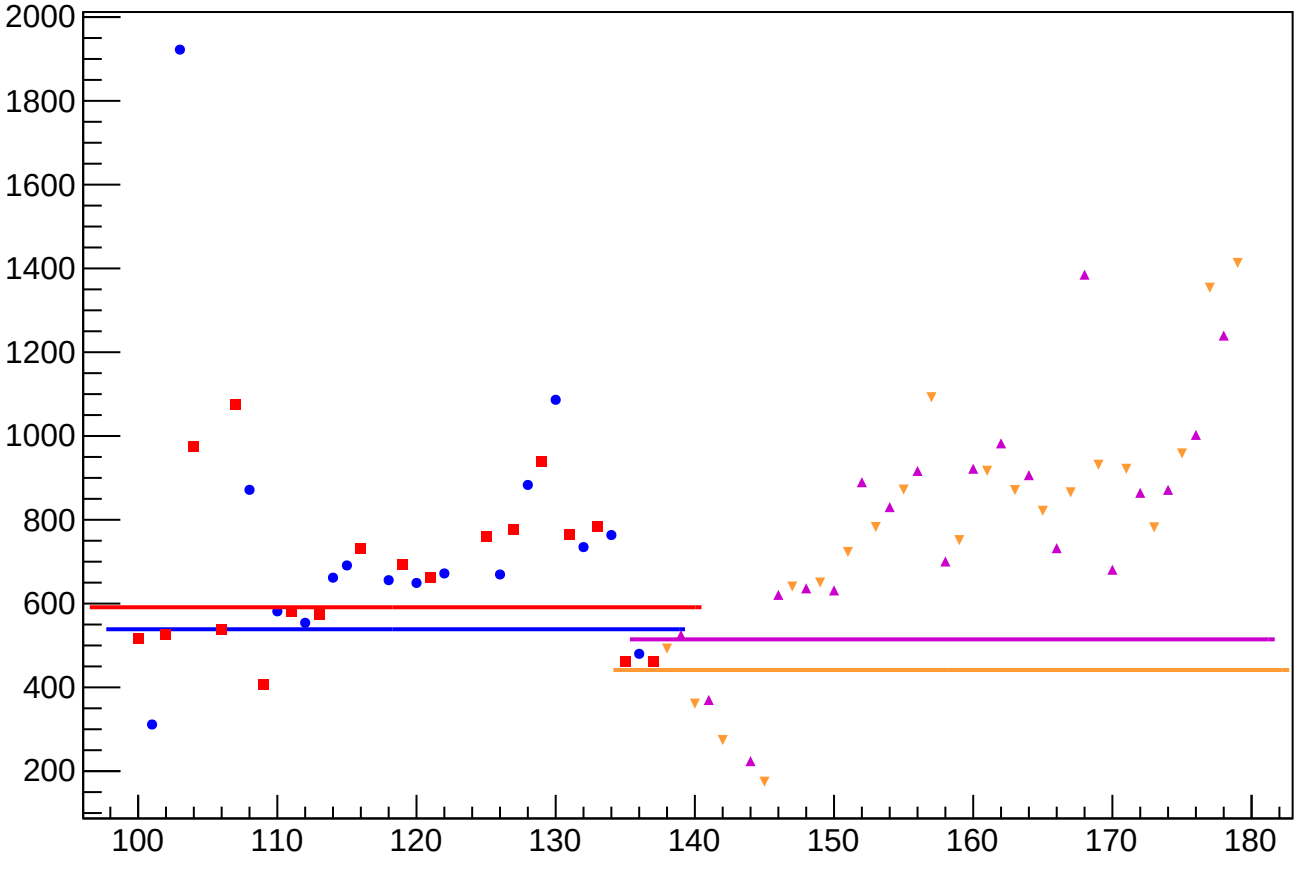
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 144.568+/-121.646 χ^2/NDF:29.7/35

Out: 10.737+/-115.837 χ^2/NDF:39.0/38

All: 74.381+/-83.888 χ^2/NDF: 69.3/74

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 441.371+/-0.094 χ^2/NDF:10395925.1/20

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 514.565+/-0.103 χ^2/NDF:7435114.8/19

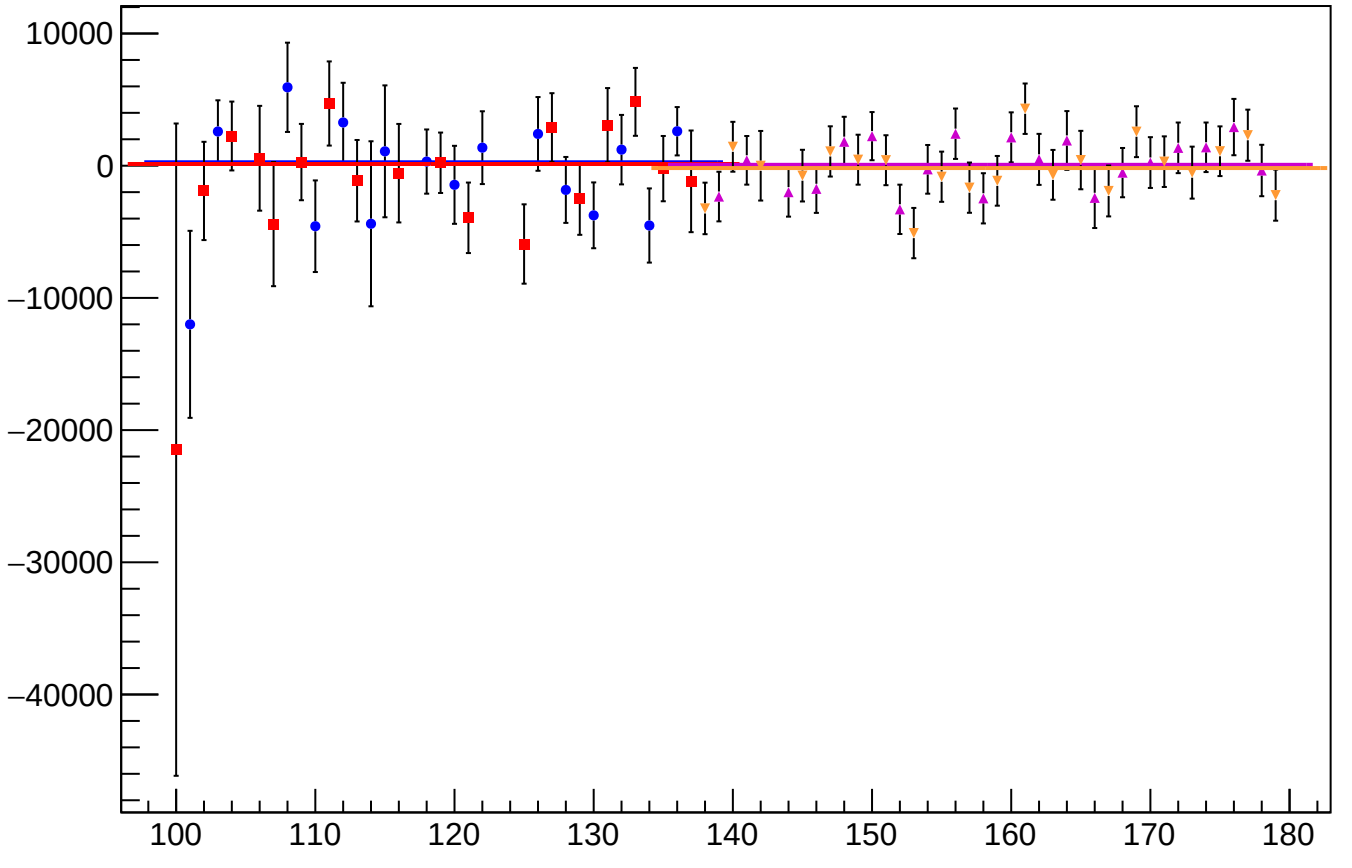
Left: 474.451+/-0.069 χ^2/NDF: 18106577.5/40

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 521.944+/-0.086 χ^2/NDF:9310720.6/35

Out: 476.815+/-0.082 χ^2/NDF:11844962.1/38

All: 498.276+/-0.059 χ^2/NDF: 21300042.1/74



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -177.254+/-424.409 χ^2/NDF:23.5/20

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 66.755+/-429.037 χ^2/NDF:18.8/19

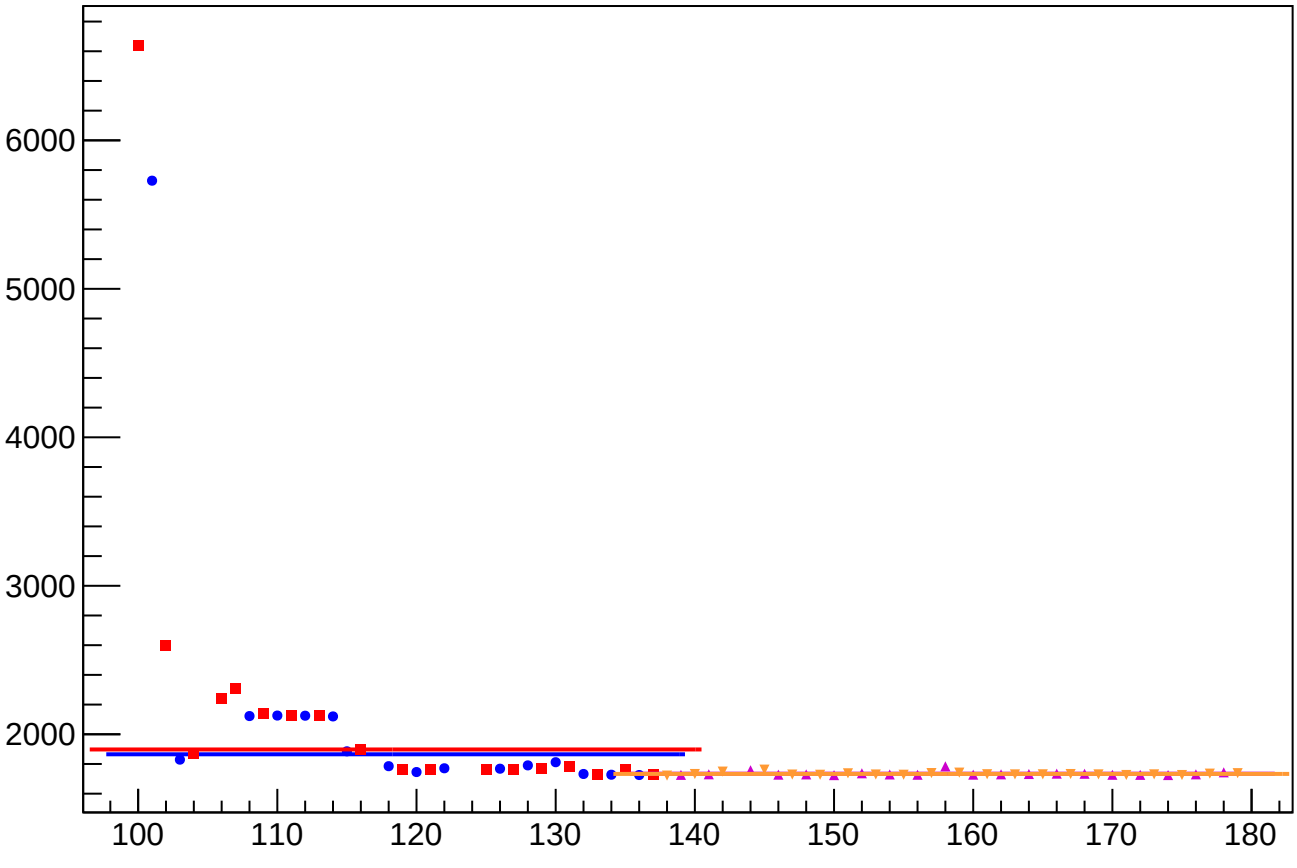
Left: -56.573+/-301.725 χ^2/NDF: 42.5/40

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 118.393+/-367.160 χ^2/NDF:38.3/35

Out: -96.978+/-364.787 χ^2/NDF:41.6/38

All: 10.009+/-258.778 χ^2/NDF: 80.1/74



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.055+/-0.300 χ^2/NDF:790.6/20

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.573+/-0.303 χ^2/NDF:2060.4/19

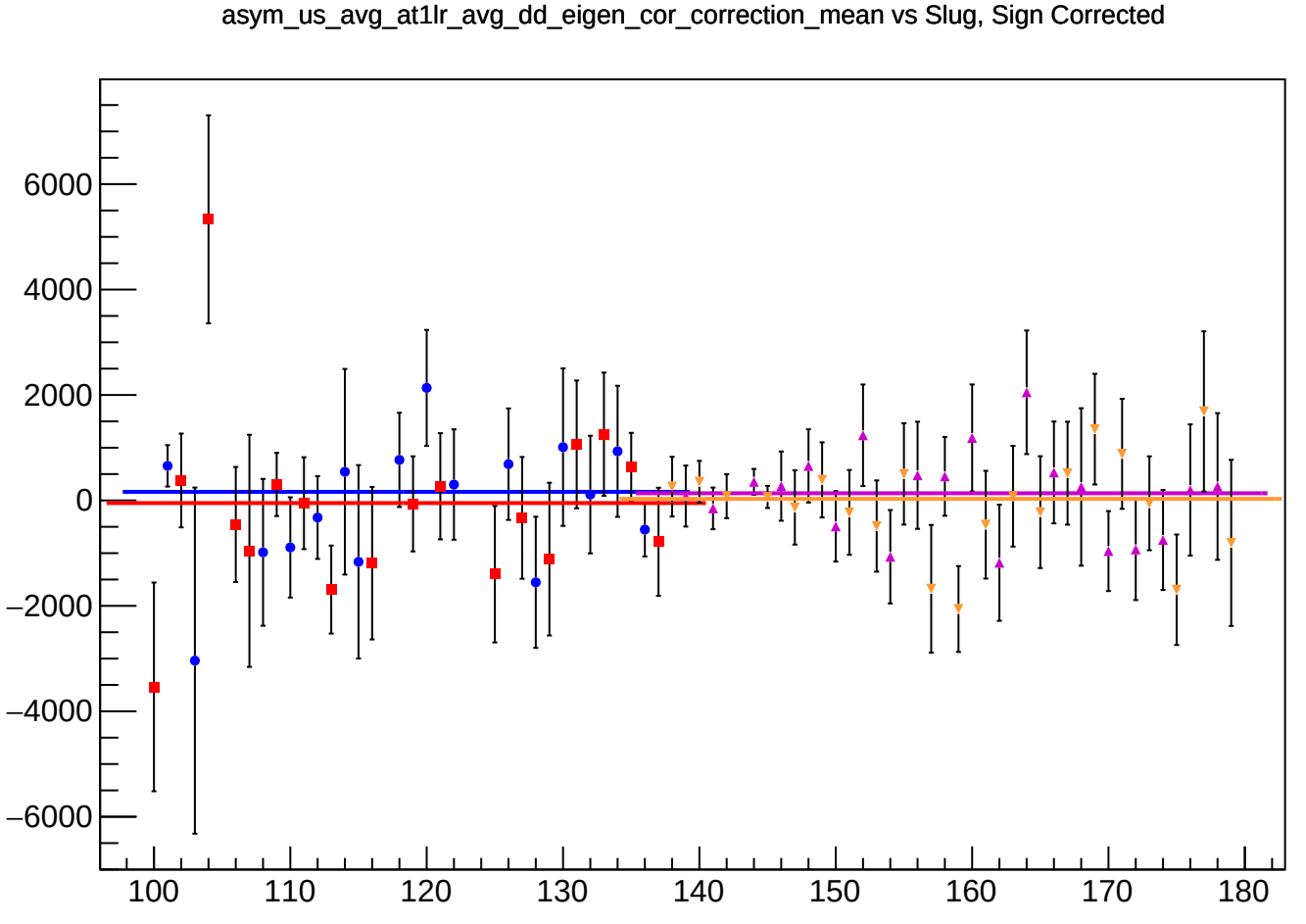
Left: 1733.805+/-0.213 χ^2/NDF: 2863.7/40

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1769.527+/-0.260 χ^2/NDF:724383.8/35

Out: 1776.065+/-0.258 χ^2/NDF:337154.5/38

All: 1772.817+/-0.183 χ^2/NDF: 1061857.5/74



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 29.431+/-132.569 χ^2/NDF:17.4/20

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 136.388+/-145.987 χ^2/NDF:15.8/19

Left: 77.769+/-98.142 χ^2/NDF: 33.5/40

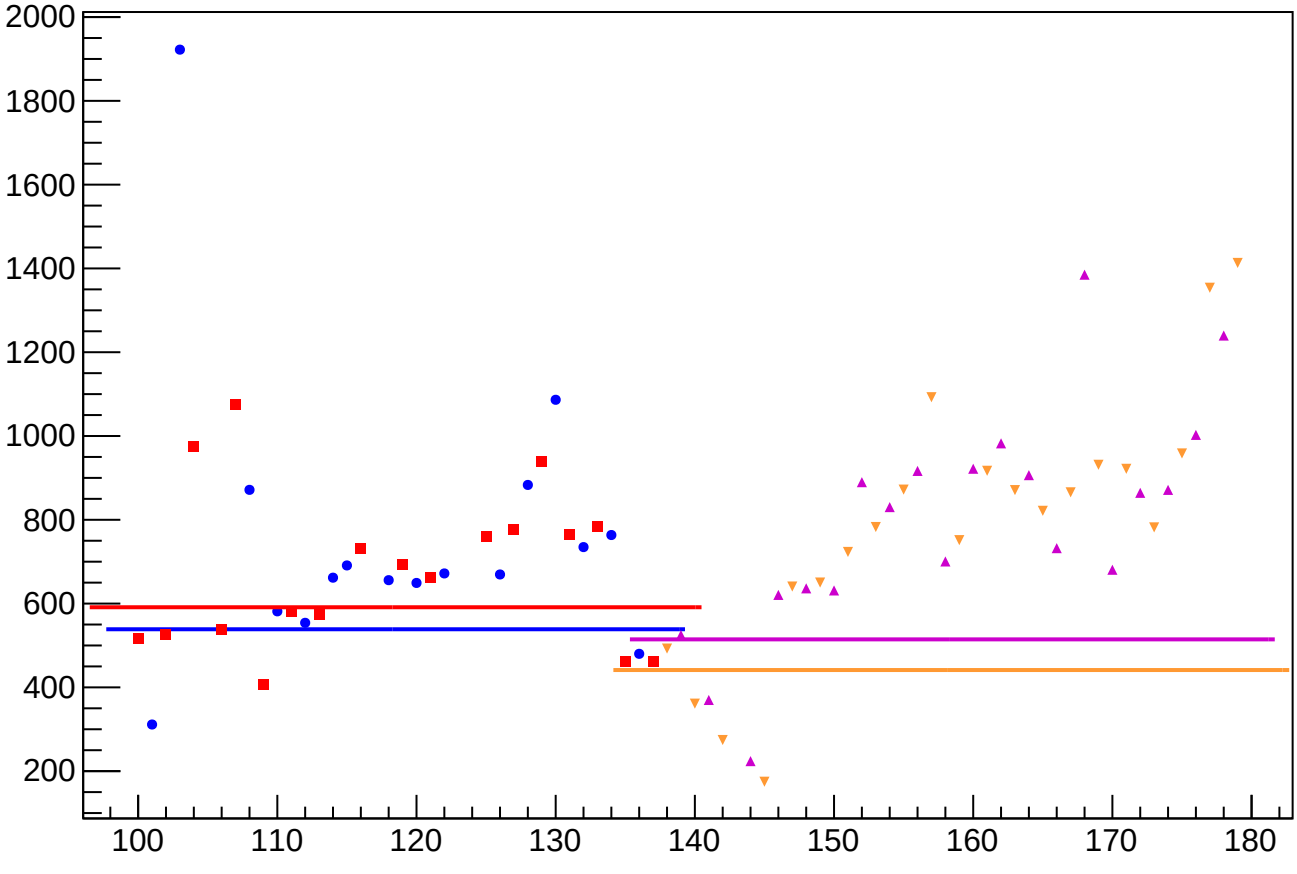
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 144.568+/-121.646 χ^2/NDF:29.7/35

Out: 10.737+/-115.837 χ^2/NDF:39.0/38

All: 74.381+/-83.888 χ^2/NDF: 69.3/74

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 441.371+/-0.094 χ^2/NDF:10395925.1/20

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 514.565+/-0.103 χ^2/NDF:7435114.8/19

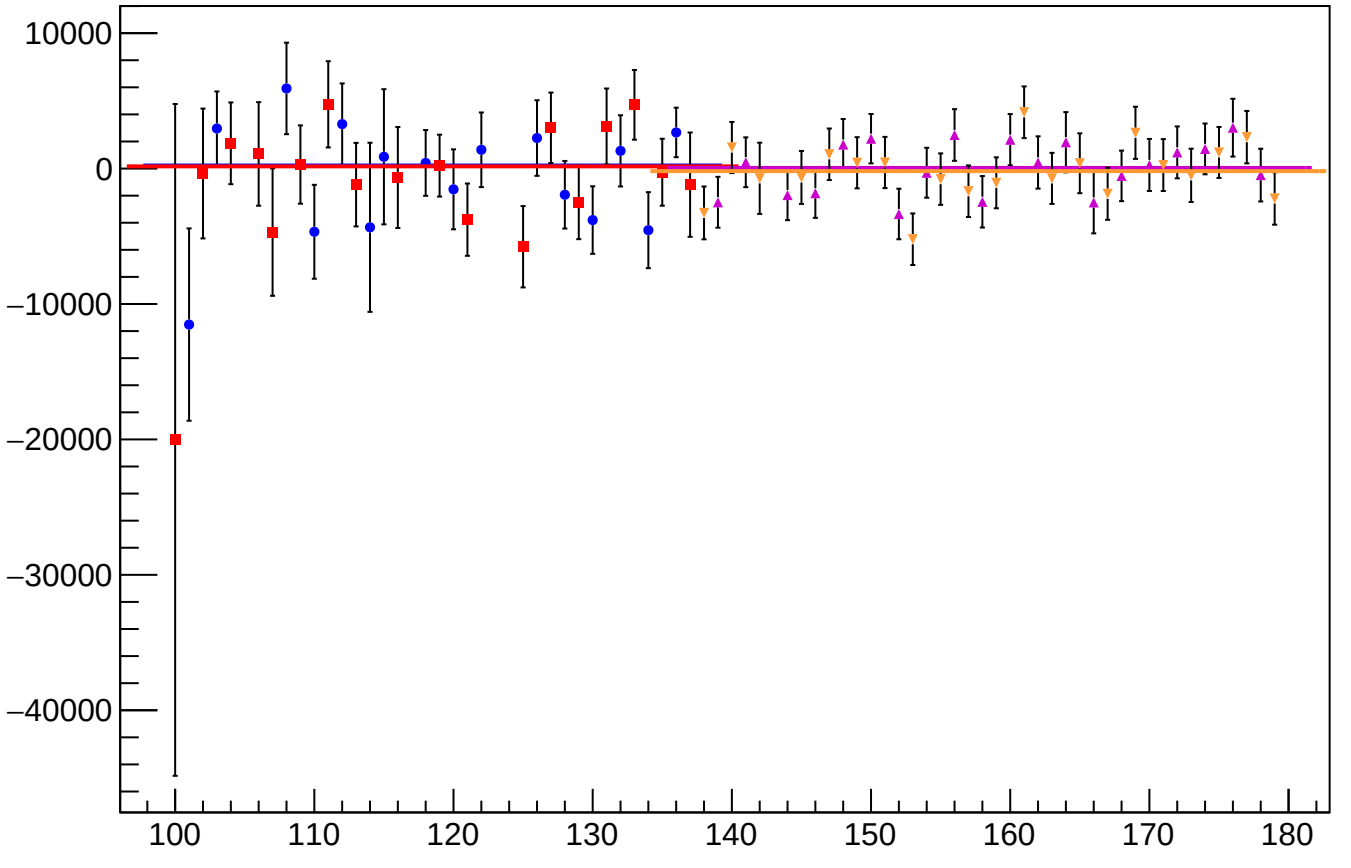
Left: 474.451+/-0.069 χ^2/NDF: 18106577.5/40

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 521.944+/-0.086 χ^2/NDF:9310720.6/35

Out: 476.815+/-0.082 χ^2/NDF:11844962.1/38

All: 498.276+/-0.059 χ^2/NDF: 21300042.1/74



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -187.090+/-424.727 χ^2/NDF:23.6/20

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 46.251+/-429.344 χ^2/NDF:19.3/19

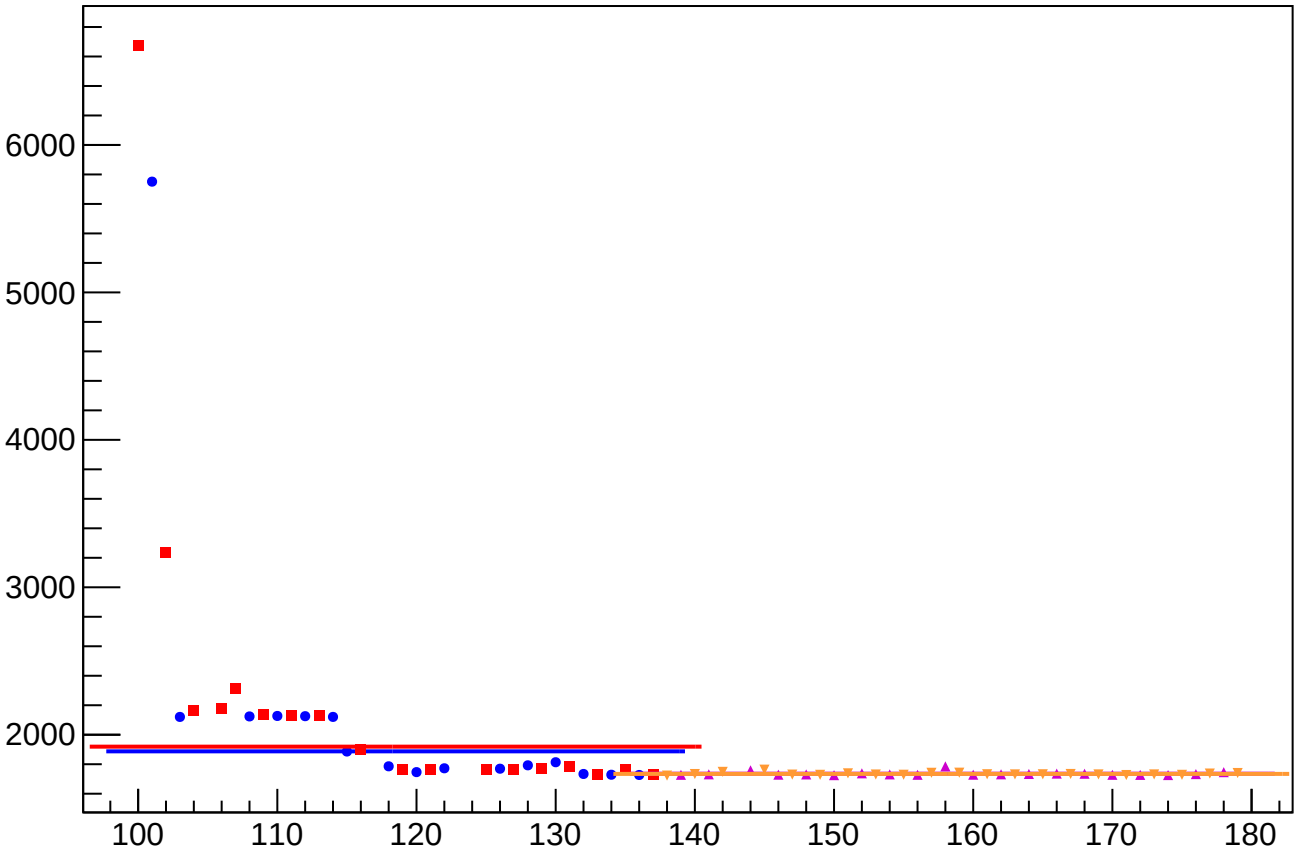
Left: -71.681+/-301.947 χ^2/NDF: 43.1/40

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 93.601+/-368.564 χ^2/NDF:38.8/35

Out: -97.605+/-366.574 χ^2/NDF:40.8/38

All: -2.520+/-259.908 χ^2/NDF: 79.7/74



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.351+/-0.300 χ^2/NDF:798.0/20

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.812+/-0.304 χ^2/NDF:2070.1/19

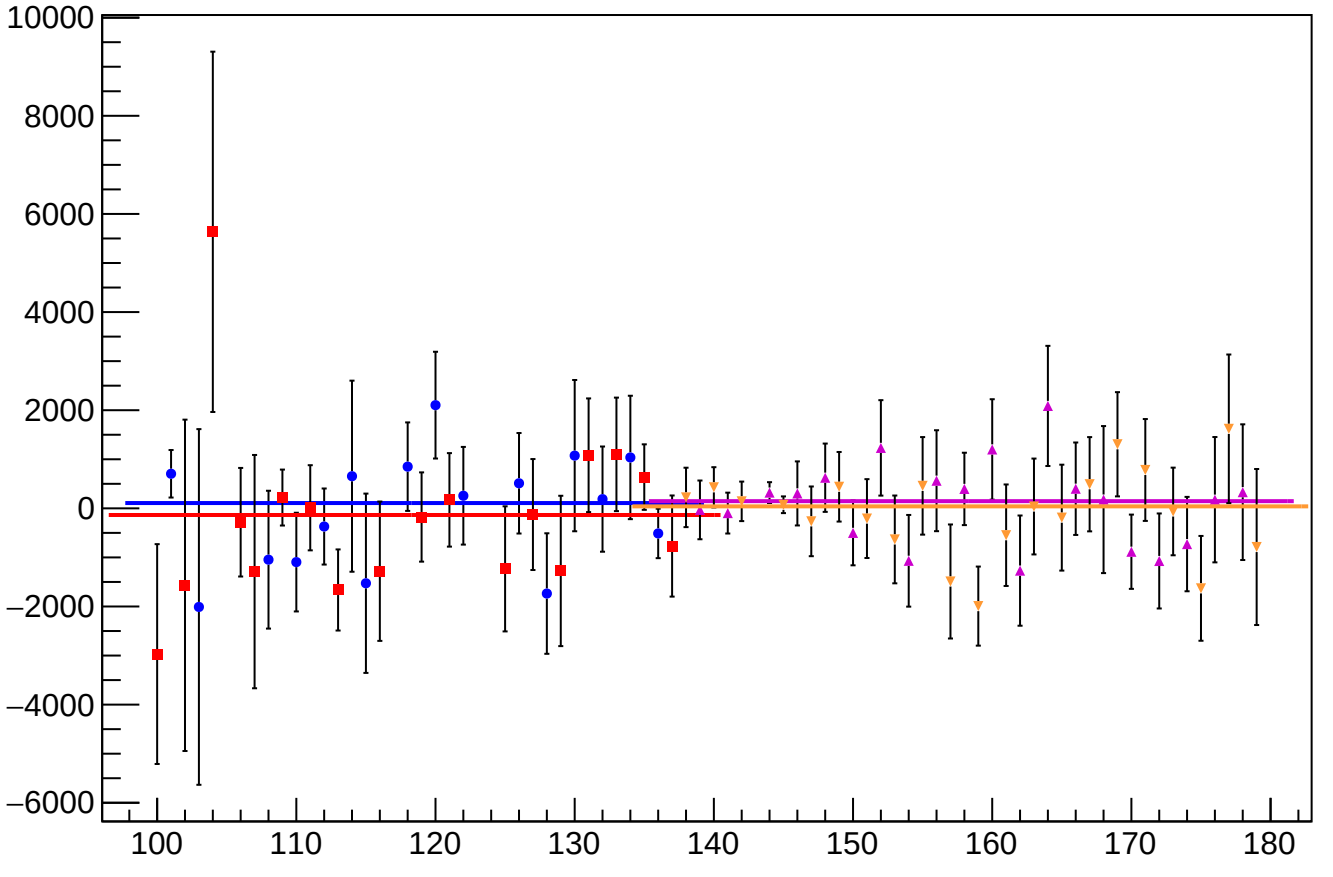
Left: 1735.073+/-0.214 χ^2/NDF: 2879.8/40

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1775.670+/-0.261 χ^2/NDF:757027.1/35

Out: 1781.495+/-0.259 χ^2/NDF:449963.8/38

All: 1778.598+/-0.184 χ^2/NDF: 1207242.0/74



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 40.415+/-121.201 χ^2/NDF:16.9/20

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 146.629+/-139.412 χ^2/NDF:15.3/19

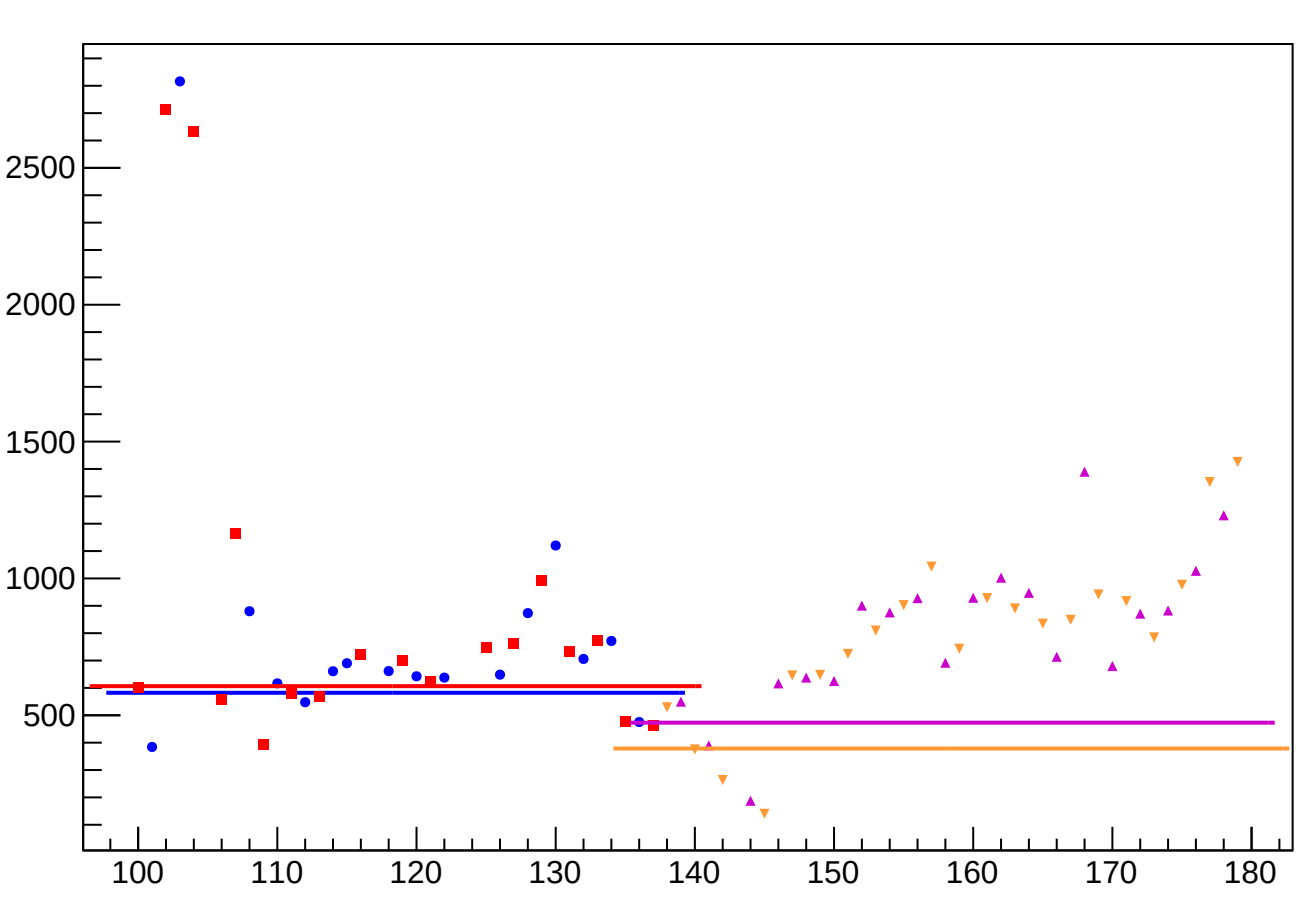
Left: 86.136+/-91.468 χ^2/NDF: 32.5/40

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 136.397+/-119.457 χ^2/NDF:29.5/35

Out: 6.067+/-108.716 χ^2/NDF:31.6/38

All: 65.110+/-80.404 χ^2/NDF: 61.8/74



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 378.686+/-0.086 χ^2/NDF:13011937.2/20

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 472.991+/-0.099 χ^2/NDF:9217350.8/19

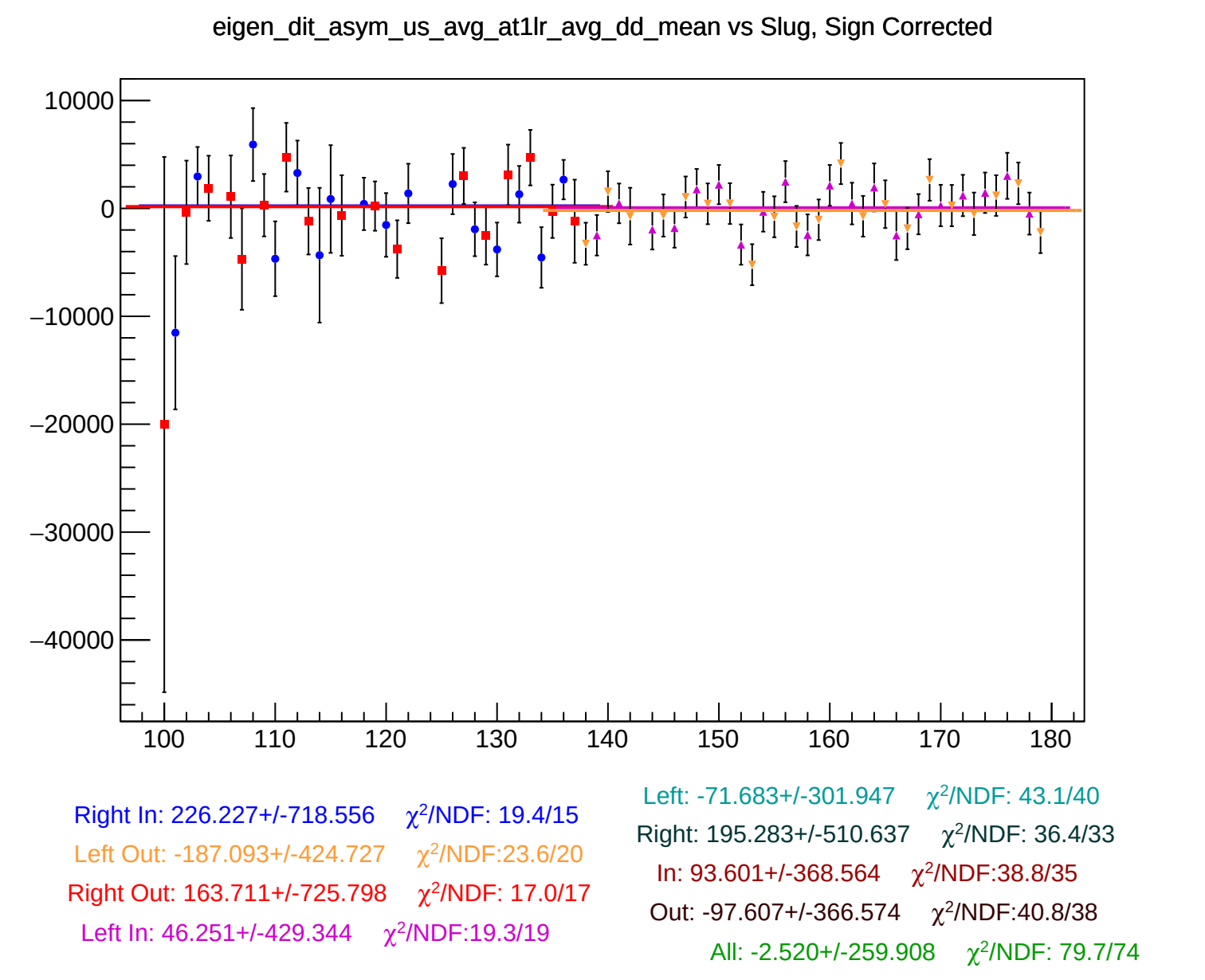
Left: 419.280+/-0.065 χ^2/NDF: 22750506.4/40

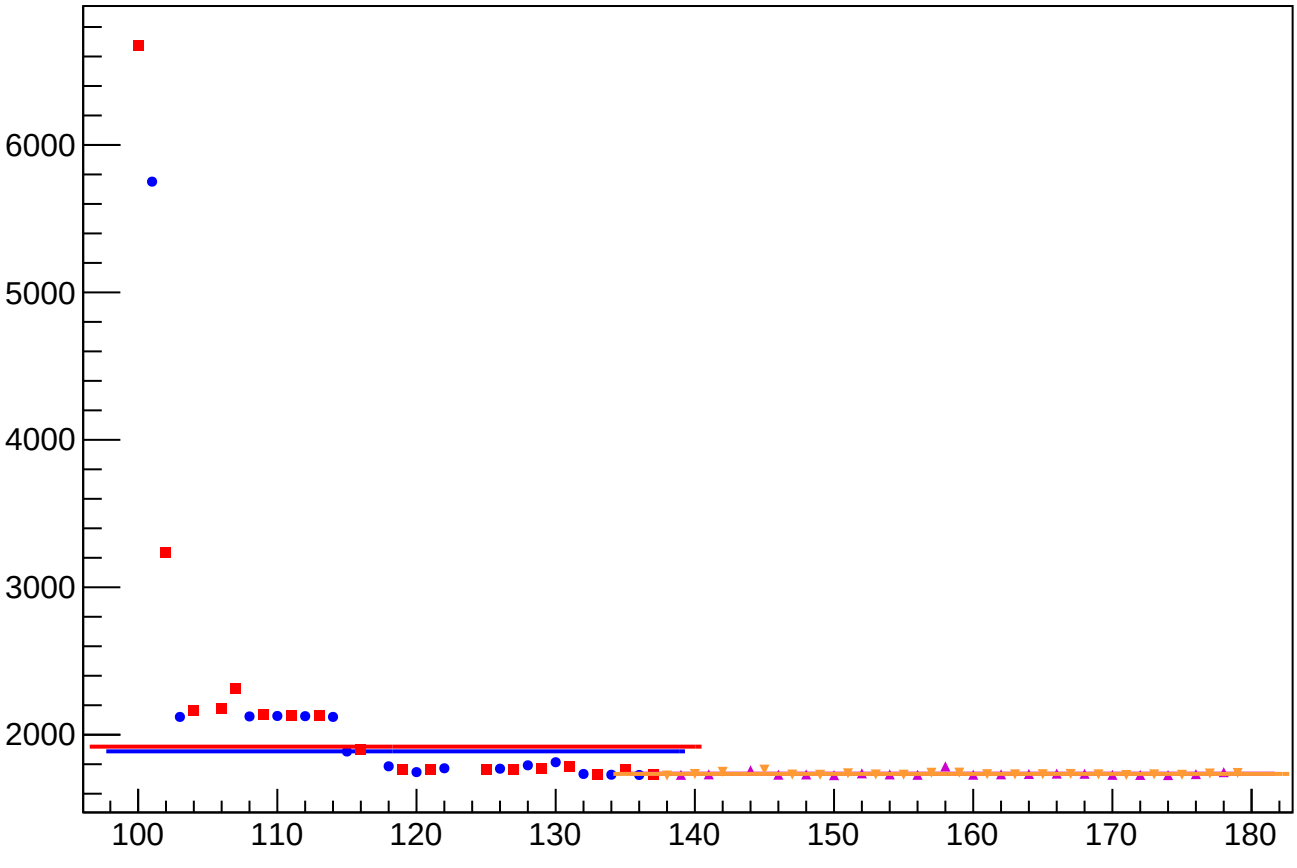
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 502.036+/-0.084 χ^2/NDF:11298268.4/35

Out: 423.194+/-0.077 χ^2/NDF:16590540.1/38

All: 458.911+/-0.057 χ^2/NDF: 28365331.8/74


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -187.093+/-424.727 χ²/NDF:23.6/20
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: 46.251+/-429.344 χ²/NDF:19.3/19
Left: -71.683+/-301.947 χ²/NDF: 43.1/40
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: 93.601+/-368.564 χ²/NDF:38.8/35
Out: -97.607+/-366.574 χ²/NDF:40.8/38
All: -2.520+/-259.908 χ²/NDF: 79.7/74



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.351+/-0.300 χ^2/NDF:798.0/20

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.812+/-0.304 χ^2/NDF:2070.1/19

Left: 1735.073+/-0.214 χ^2/NDF: 2879.8/40

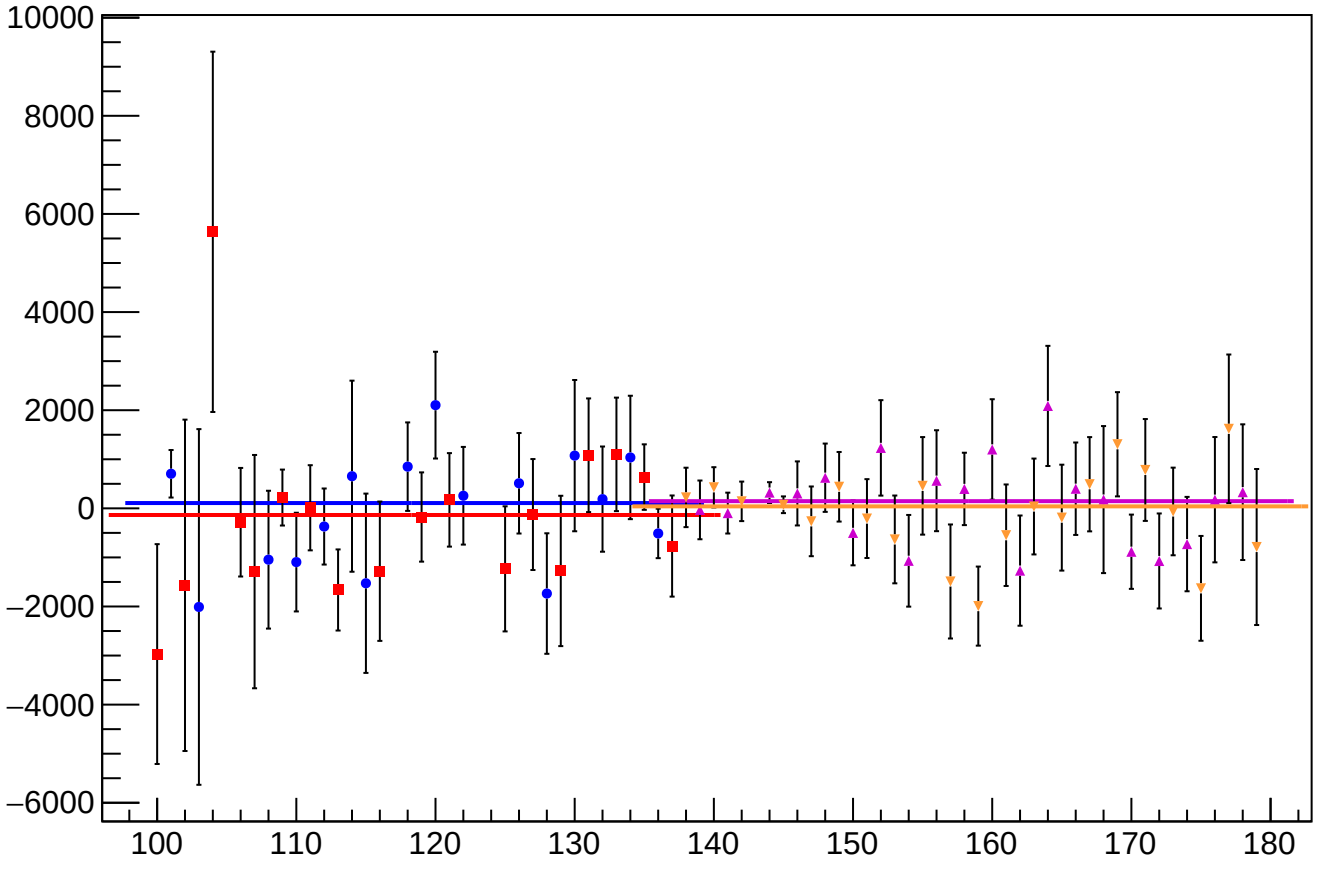
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1775.670+/-0.261 χ^2/NDF:757026.7/35

Out: 1781.495+/-0.259 χ^2/NDF:449962.9/38

All: 1778.598+/-0.184 χ^2/NDF: 1207240.8/74

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 40.414+/-121.201 χ^2/NDF:16.9/20

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 146.629+/-139.413 χ^2/NDF:15.3/19

Left: 86.135+/-91.468 χ^2/NDF: 32.5/40

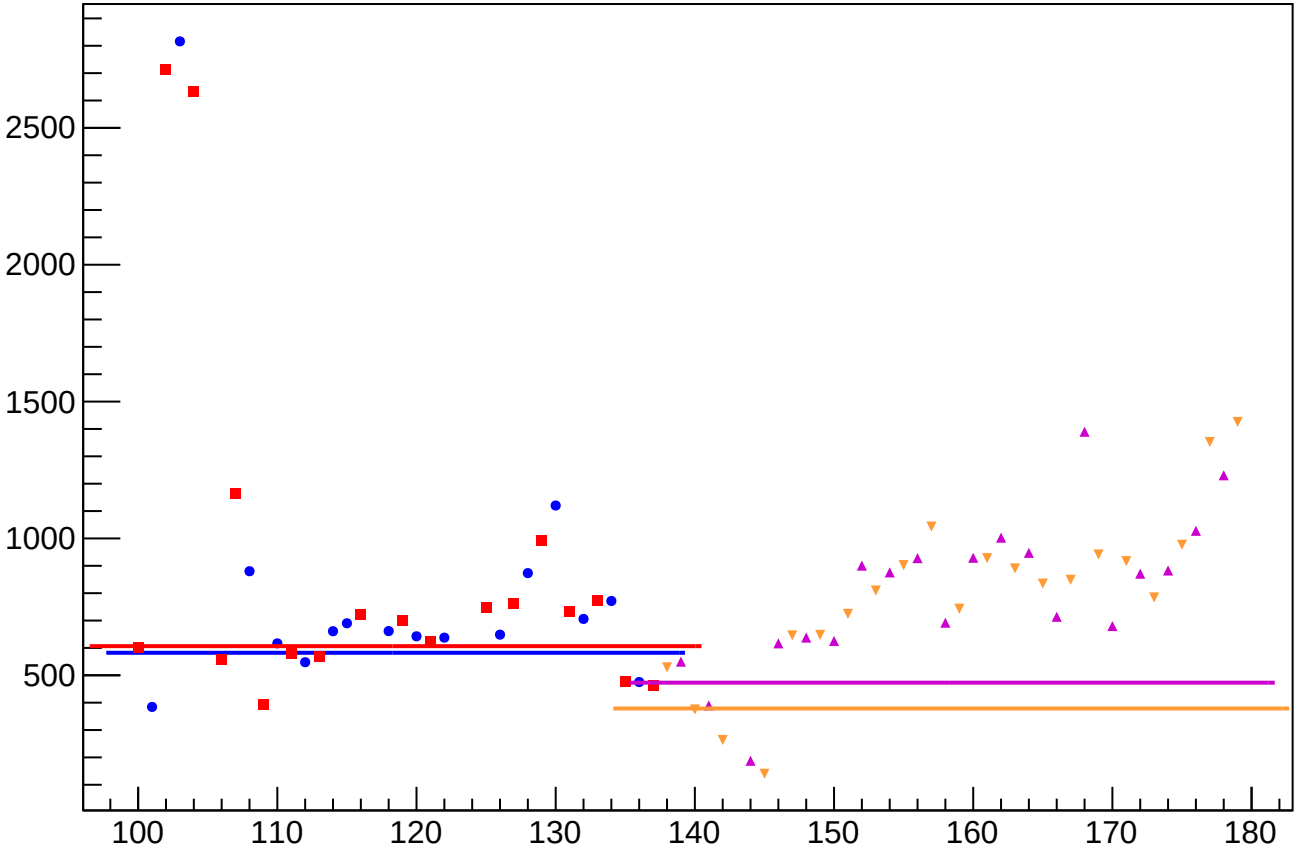
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 136.396+/-119.457 χ^2/NDF:29.5/35

Out: 6.066+/-108.716 χ^2/NDF:31.6/38

All: 65.109+/-80.404 χ^2/NDF: 61.8/74

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 378.686+/-0.086 χ^2/NDF:13011978.4/20

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 472.991+/-0.099 χ^2/NDF:9217373.7/19

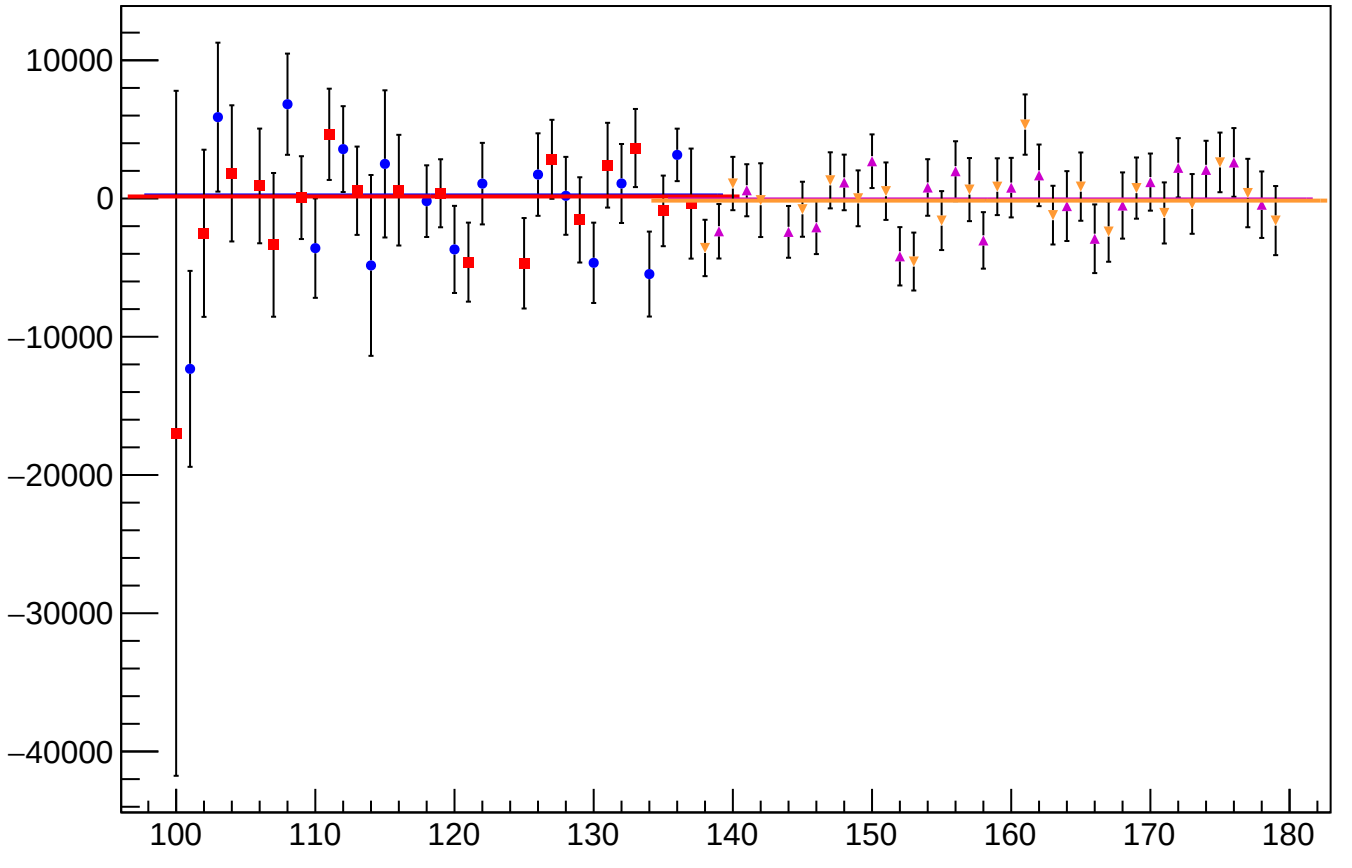
Left: 419.280+/-0.065 χ^2/NDF: 22750575.9/40

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 502.036+/-0.084 χ^2/NDF:11298266.2/35

Out: 423.193+/-0.077 χ^2/NDF:16590562.6/38

All: 458.911+/-0.057 χ^2/NDF: 28365358.0/74



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -150.756+/-473.231 χ^2/NDF:19.4/20

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -66.018+/-474.546 χ^2/NDF:19.4/19

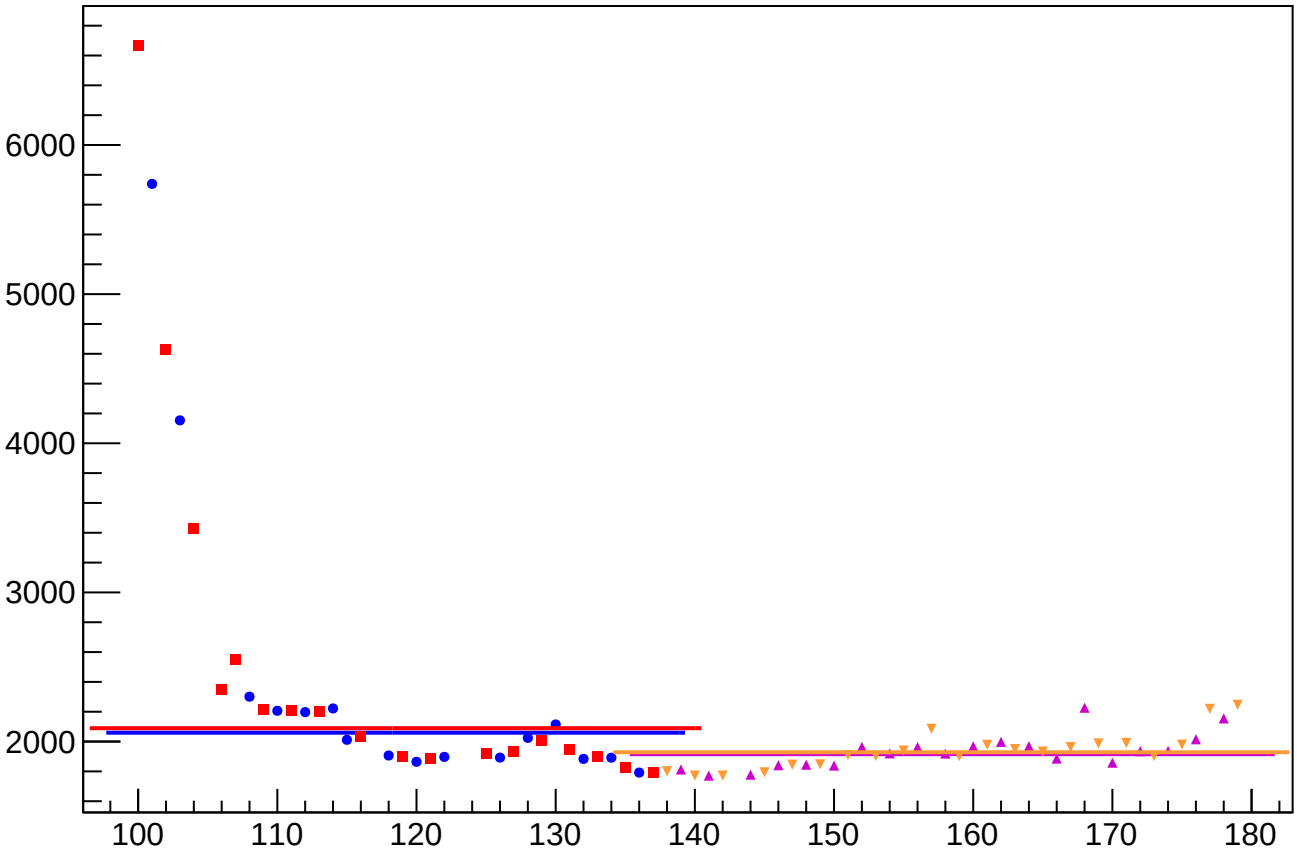
Left: -108.505+/-335.089 χ^2/NDF: 38.8/40

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 10.780+/-407.025 χ^2/NDF:40.7/35

Out: -72.480+/-406.530 χ^2/NDF:31.1/38

All: -30.901+/-287.635 χ^2/NDF: 71.8/74



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1928.233+/-0.335 χ^2/NDF:120049.3/20

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1915.256+/-0.336 χ^2/NDF:102329.3/19

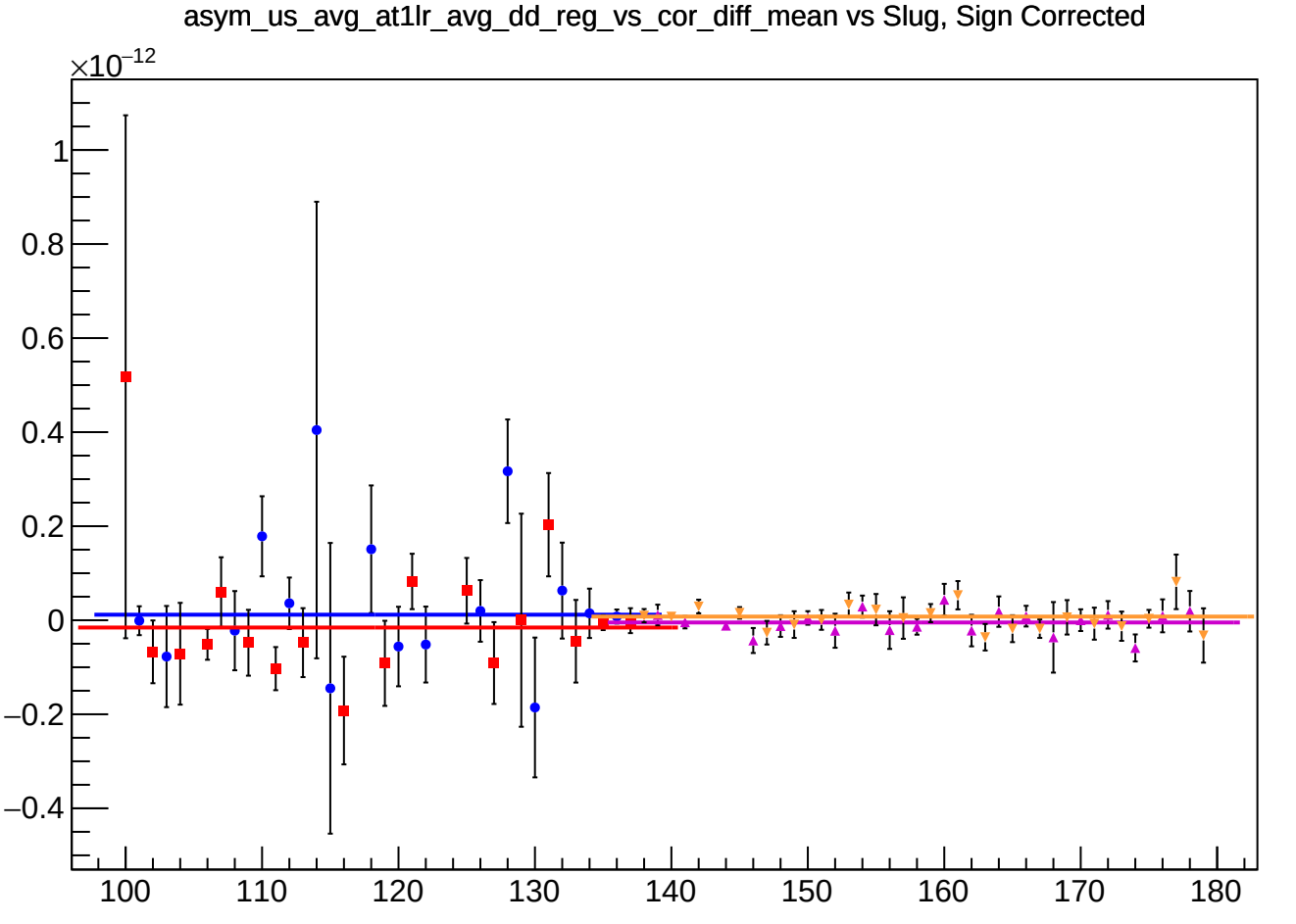
Left: 1921.762+/-0.237 χ^2/NDF: 223128.5/40

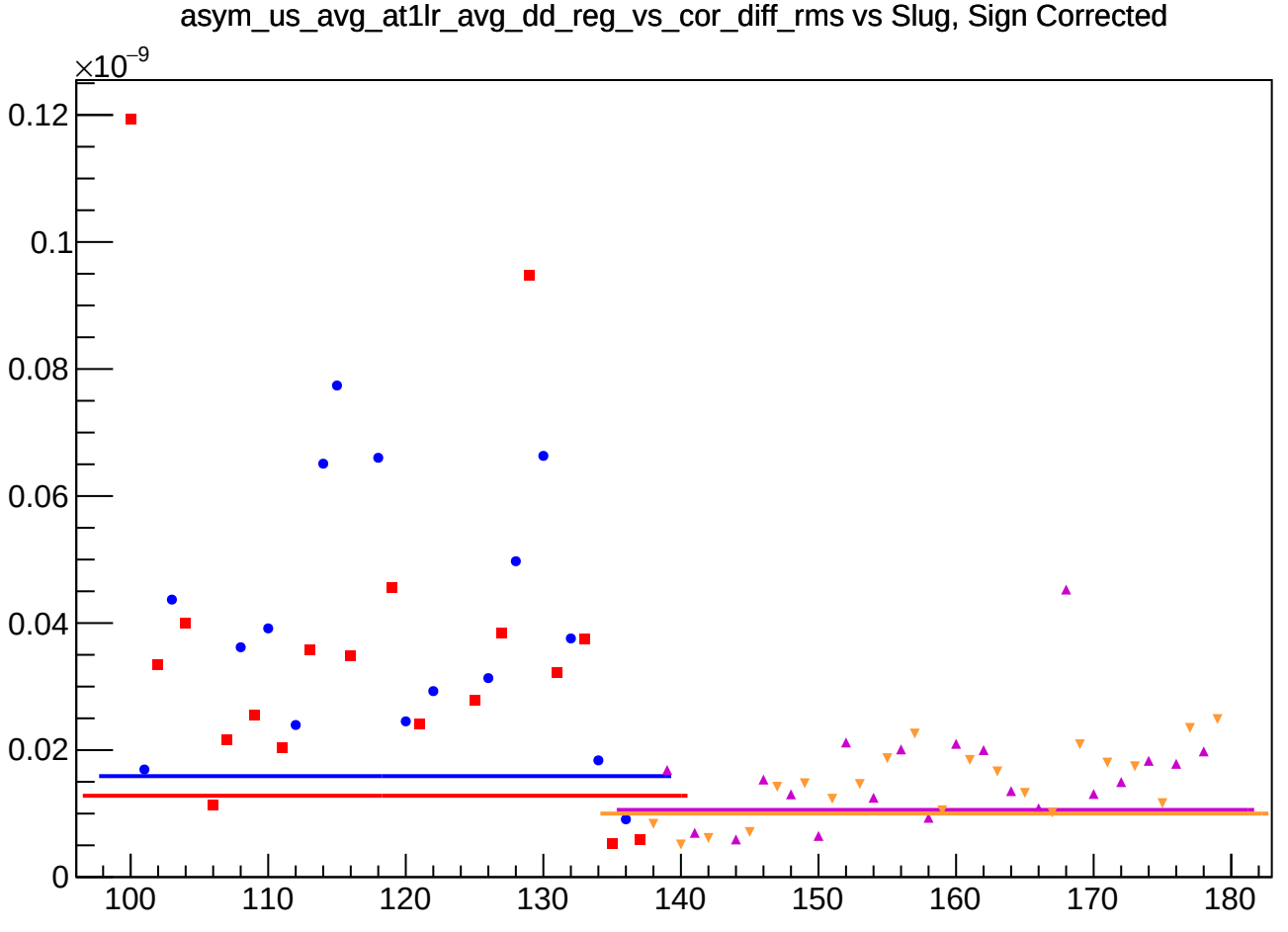
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1953.383+/-0.288 χ^2/NDF:1091044.7/35

Out: 1970.483+/-0.287 χ^2/NDF:862356.6/38

All: 1961.943+/-0.203 χ^2/NDF: 1955168.6/74


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:16.3/20
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:14.2/19
Left: 0.000+/-0.000 χ²/NDF: 34.2/40
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:34.0/35
Out: 0.000+/-0.000 χ²/NDF:41.0/38
All: 0.000+/-0.000 χ²/NDF: 76.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2250395.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2562817.8/19

Left: 0.000+/-0.000 χ^2/NDF: 4828767.1/40

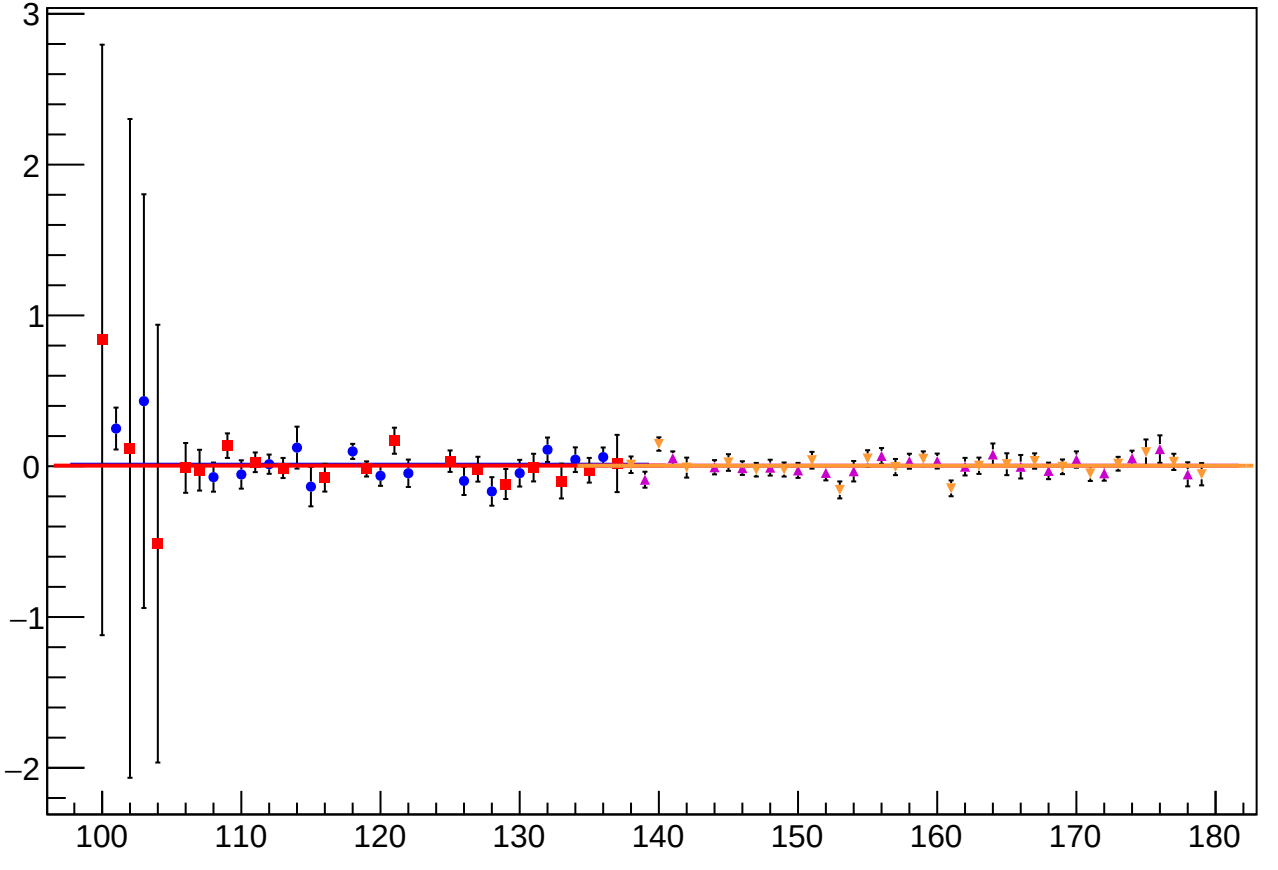
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4860646.3/35

Out: 0.000+/-0.000 χ^2/NDF:4853752.5/38

All: 0.000+/-0.000 χ^2/NDF: 9760551.6/74

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.003+/-0.008 χ^2/NDF: 47.4/40

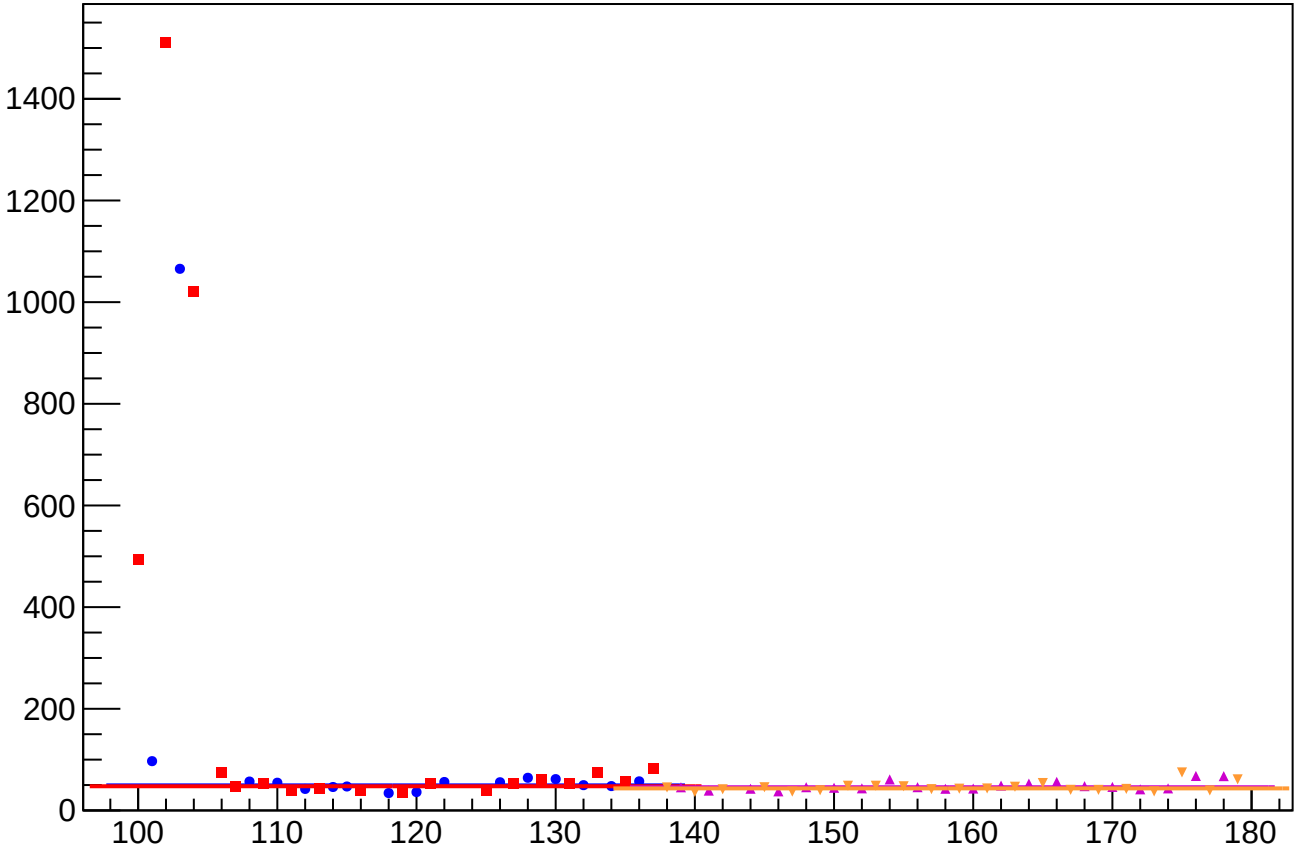
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/74

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.424+/-0.008 χ^2/NDF:655830.1/20

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.675+/-0.009 χ^2/NDF:587286.4/19

Left: 44.504+/-0.006 χ^2/NDF: 1278692.0/40

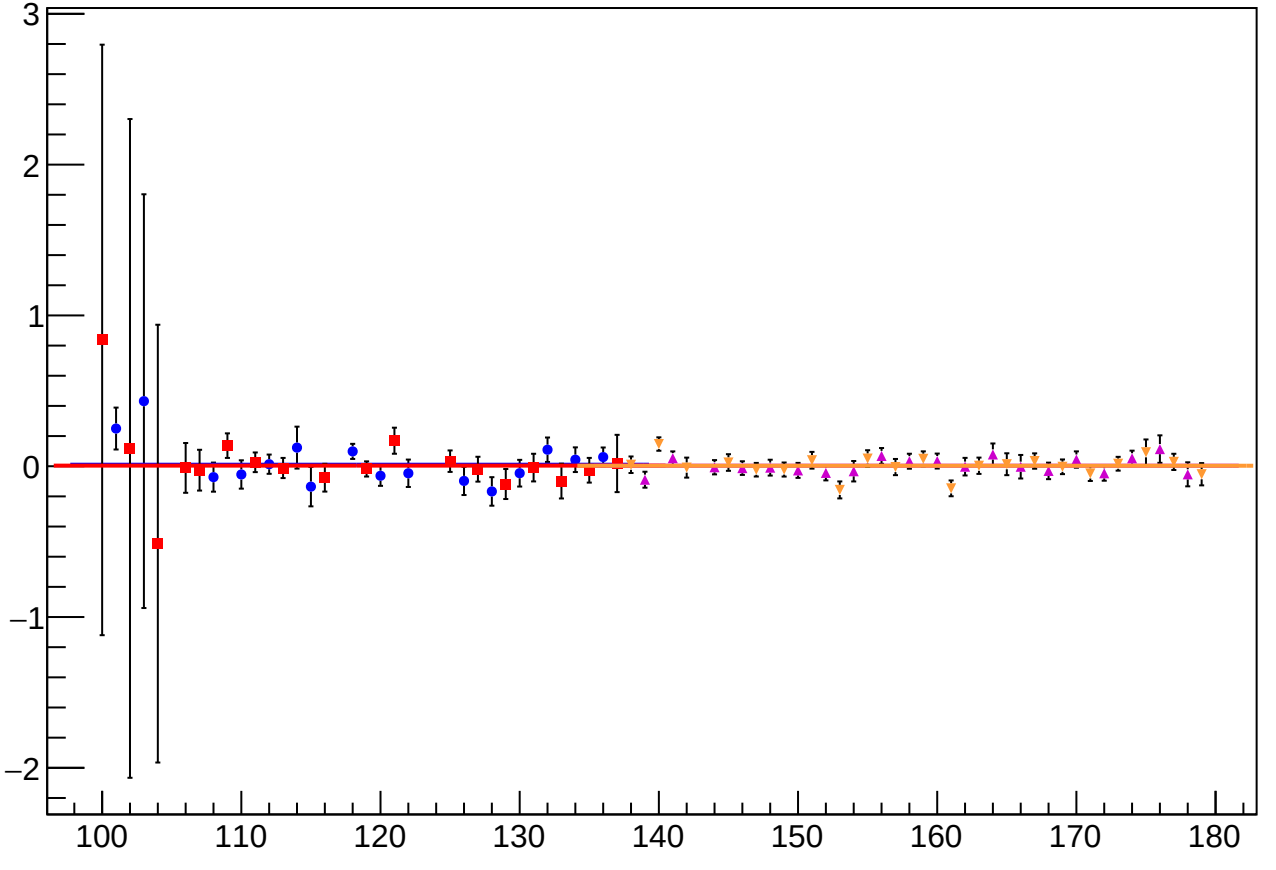
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.598+/-0.007 χ^2/NDF:2409831.1/35

Out: 44.378+/-0.007 χ^2/NDF:3132297.0/38

All: 45.461+/-0.005 χ^2/NDF: 5587708.4/74

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.003+/-0.008 χ^2/NDF: 47.4/40

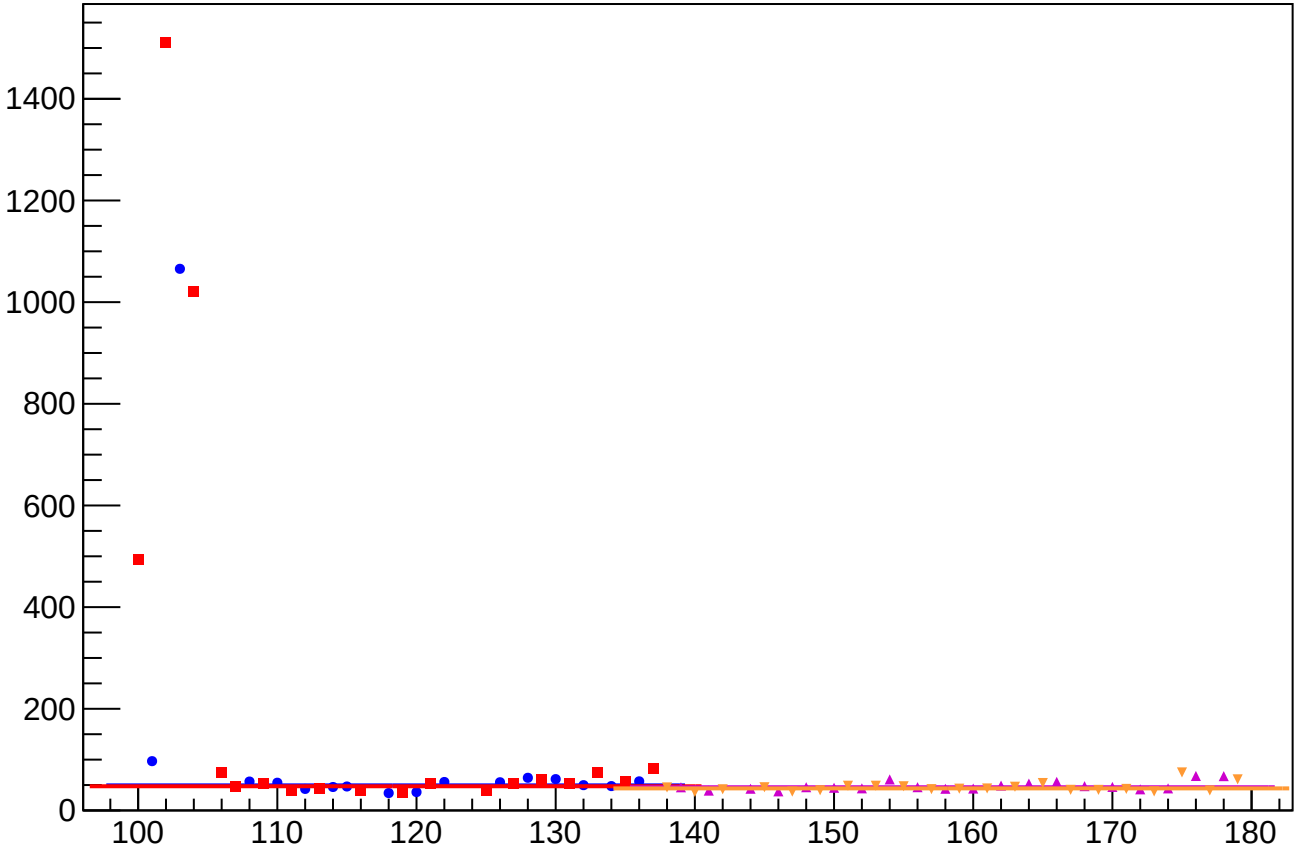
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/74

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 43.424+/-0.008 χ^2/NDF:655830.1/20

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.675+/-0.009 χ^2/NDF:587286.4/19

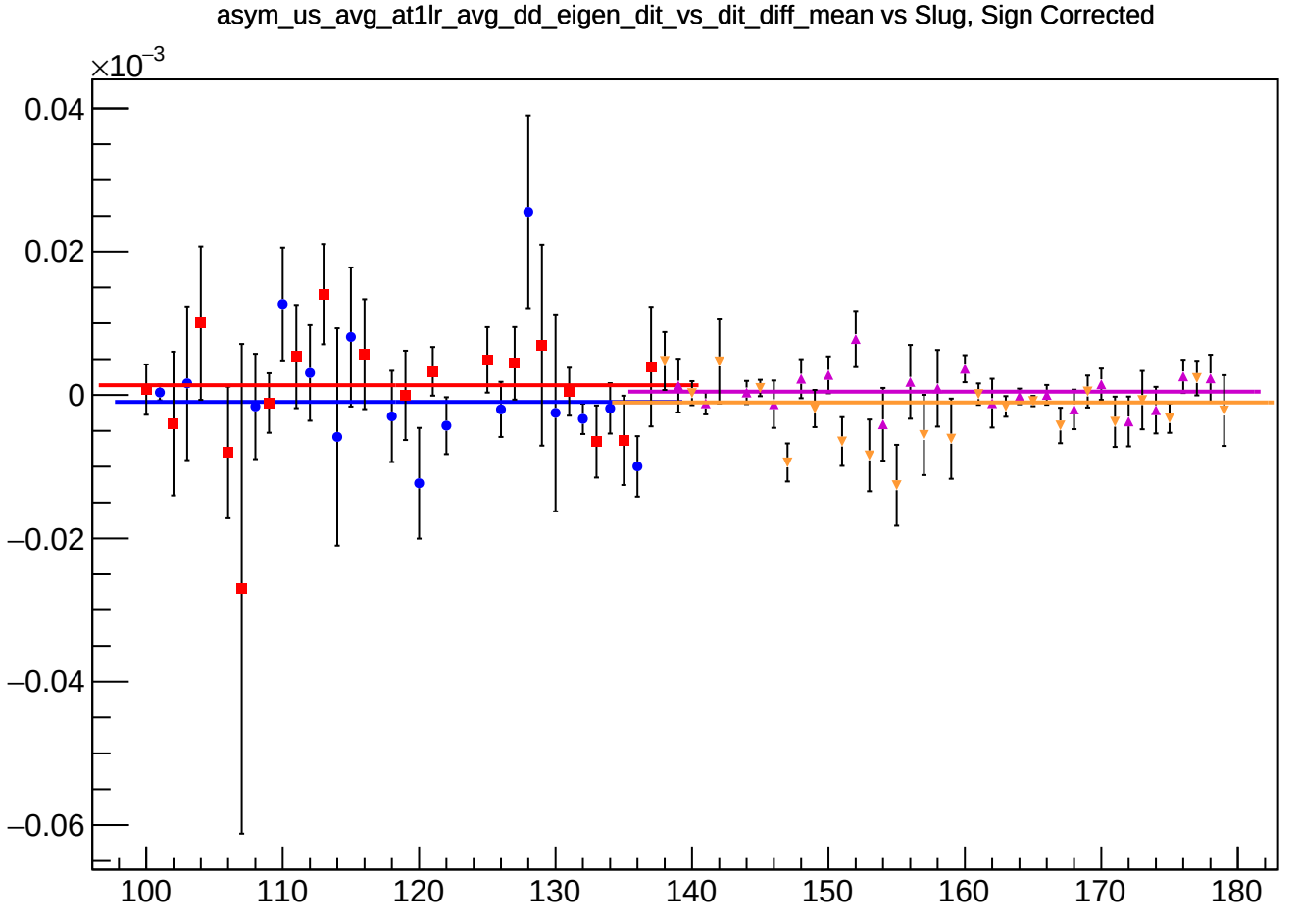
Left: 44.504+/-0.006 χ^2/NDF: 1278692.0/40

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.598+/-0.007 χ^2/NDF:2409831.1/35

Out: 44.378+/-0.007 χ^2/NDF:3132297.0/38

All: 45.461+/-0.005 χ^2/NDF: 5587708.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.0/19

Left: -0.000+/-0.000 χ^2/NDF: 54.0/40

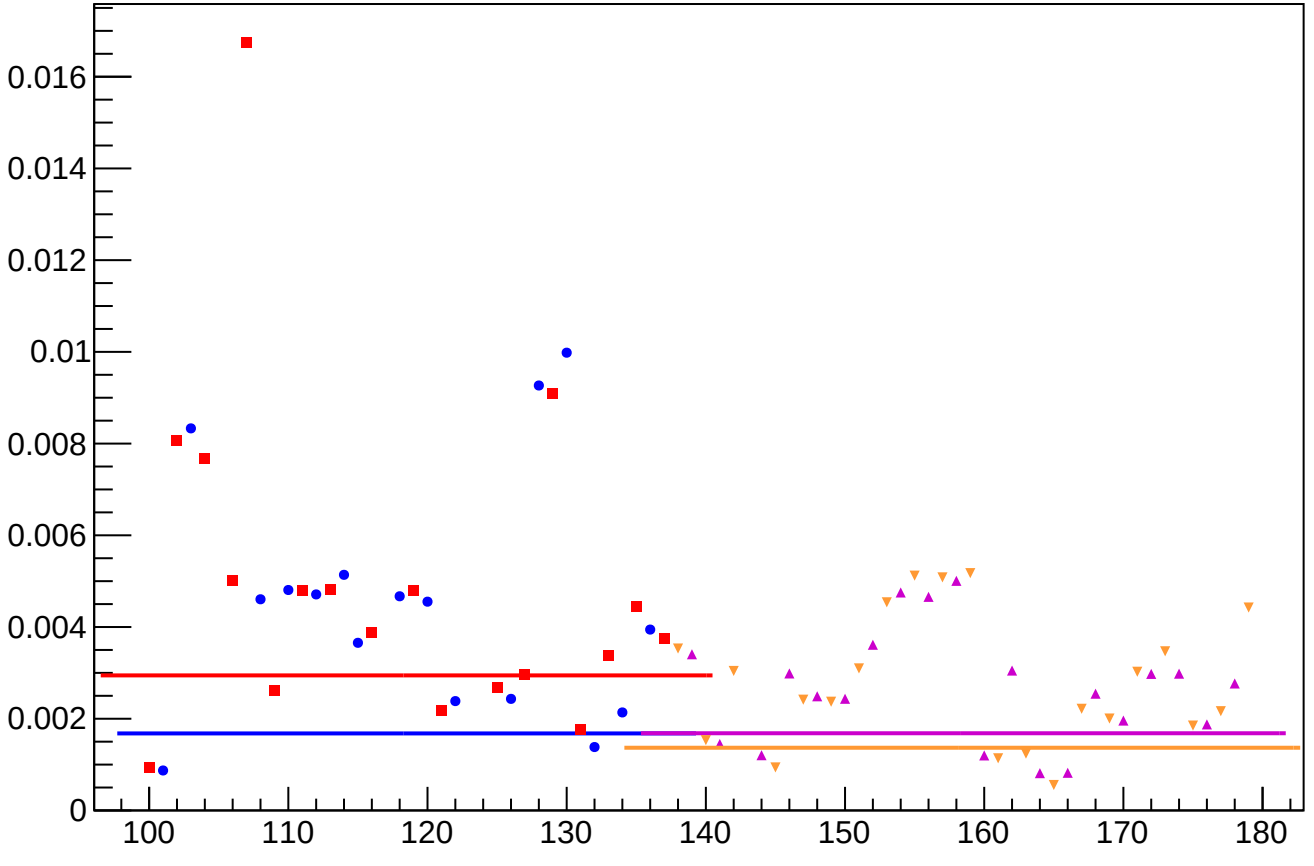
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:35.8/35

Out: -0.000+/-0.000 χ^2/NDF:49.6/38

All: -0.000+/-0.000 χ^2/NDF: 87.7/74

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:10776350.2/20

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:7515040.1/19

Left: 0.001+/-0.000 χ^2/NDF: 18752692.0/40

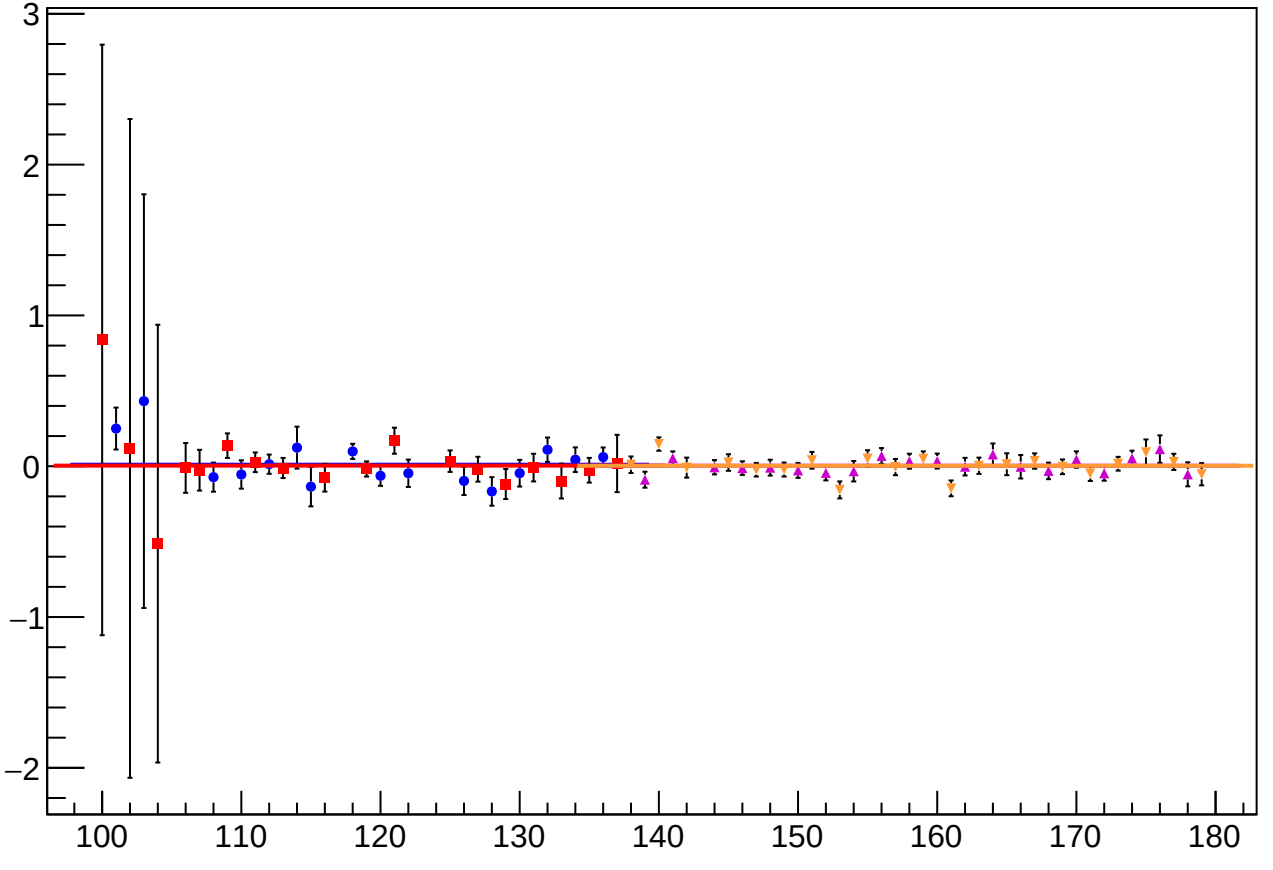
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13475305.5/35

Out: 0.002+/-0.000 χ^2/NDF:16857680.8/38

All: 0.002+/-0.000 χ^2/NDF: 30482155.1/74

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.003+/-0.008 χ^2/NDF: 47.4/40

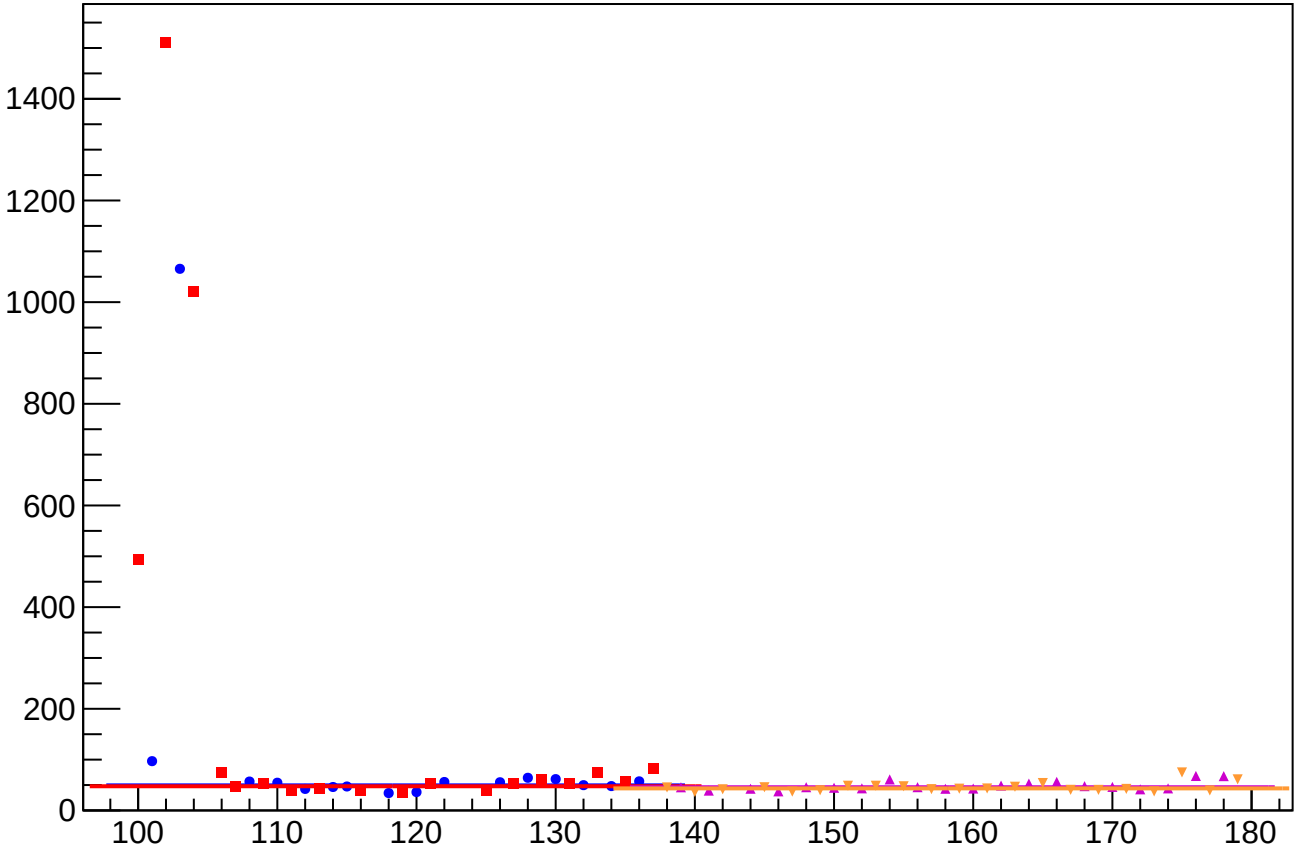
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/74

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.424+/-0.008 χ^2/NDF:655848.7/20

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.675+/-0.009 χ^2/NDF:587355.5/19

Left: 44.504+/-0.006 χ^2/NDF: 1278767.0/40

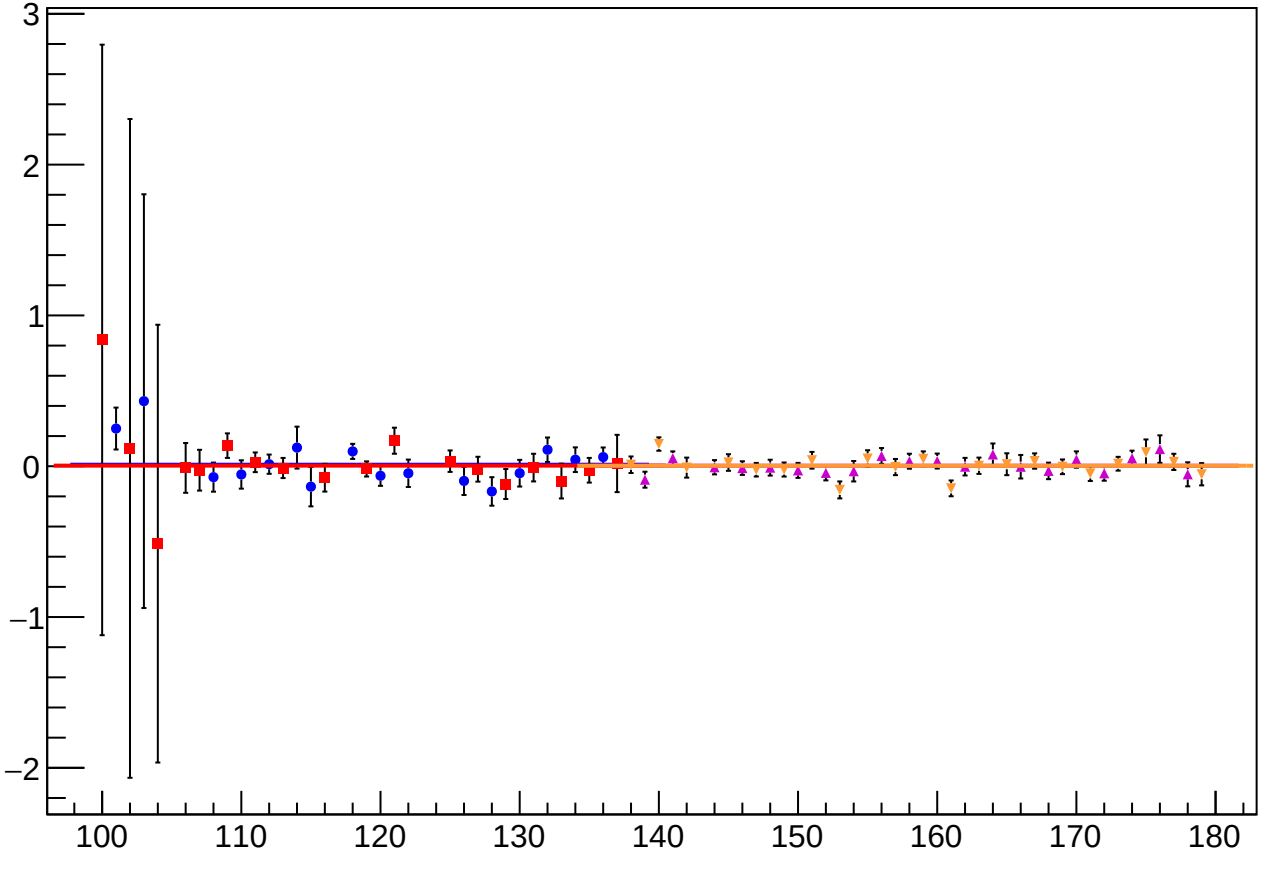
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.598+/-0.007 χ^2/NDF:2409844.1/35

Out: 44.378+/-0.007 χ^2/NDF:3132323.3/38

All: 45.461+/-0.005 χ^2/NDF: 5587745.9/74

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.003+/-0.012 χ^2/NDF:33.0/20

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.003+/-0.008 χ^2/NDF: 47.4/40

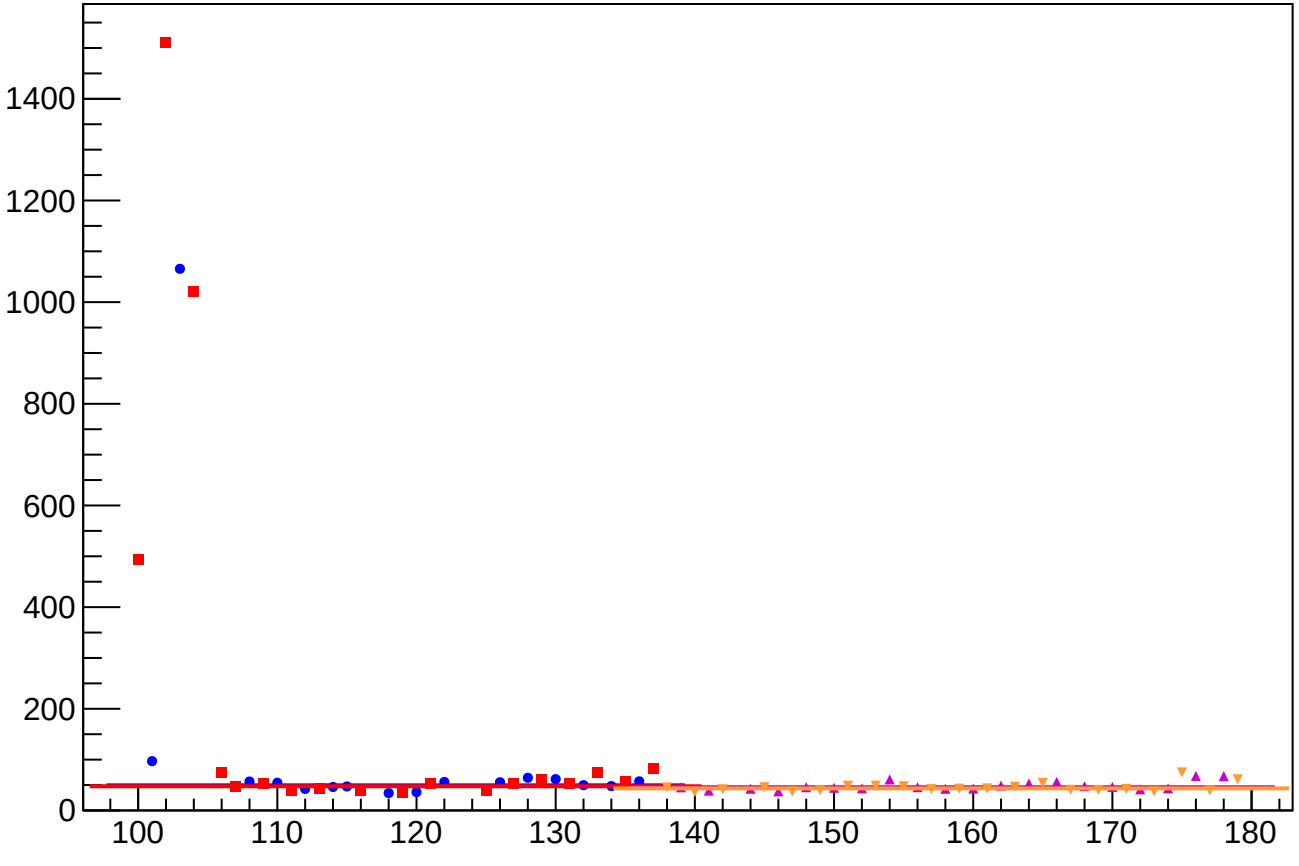
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.003+/-0.010 χ^2/NDF:43.6/38

All: 0.004+/-0.007 χ^2/NDF: 76.5/74

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 43.424+/-0.008 χ^2/NDF:655848.7/20

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.675+/-0.009 χ^2/NDF:587355.5/19

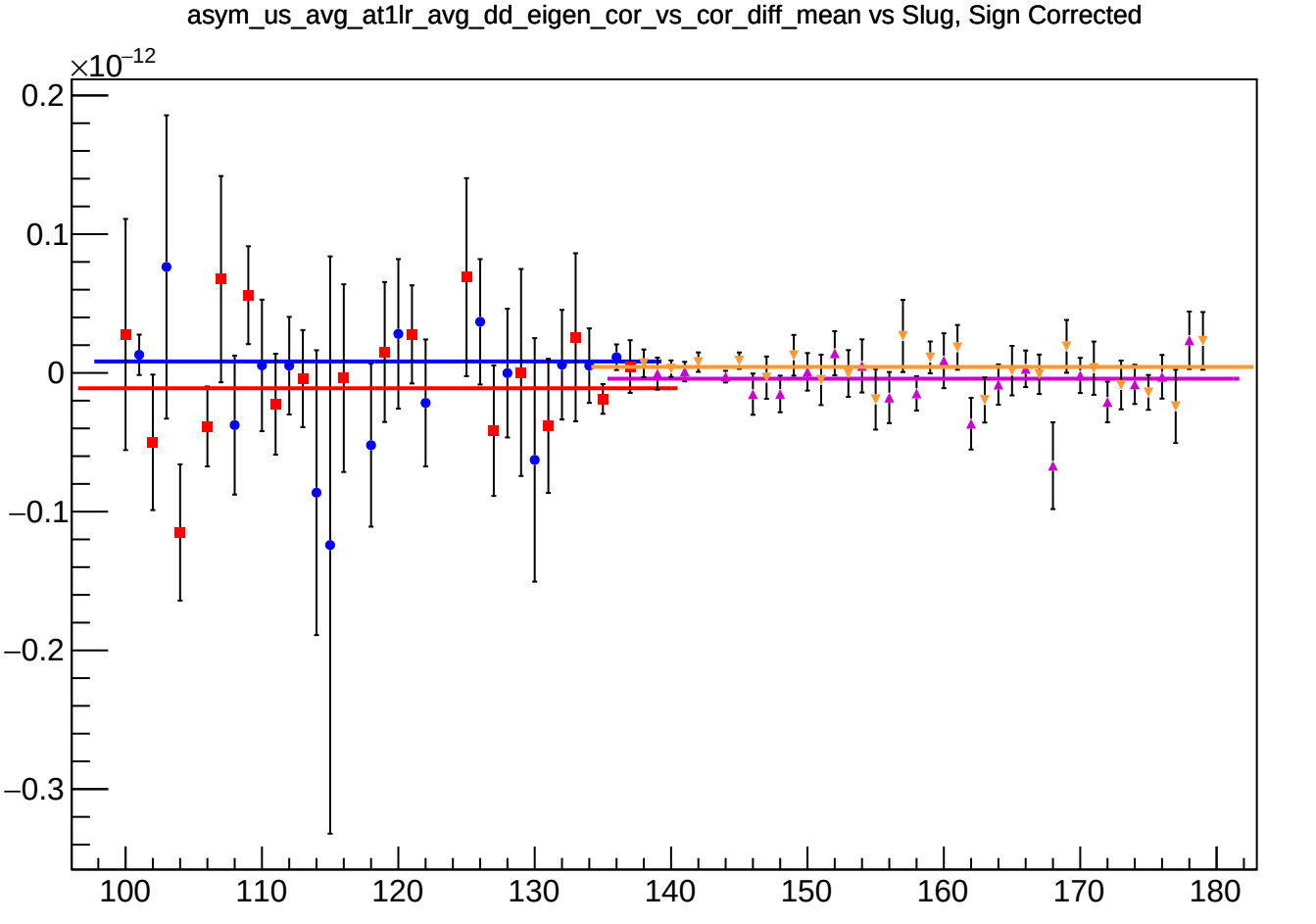
Left: 44.504+/-0.006 χ^2/NDF: 1278767.0/40

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

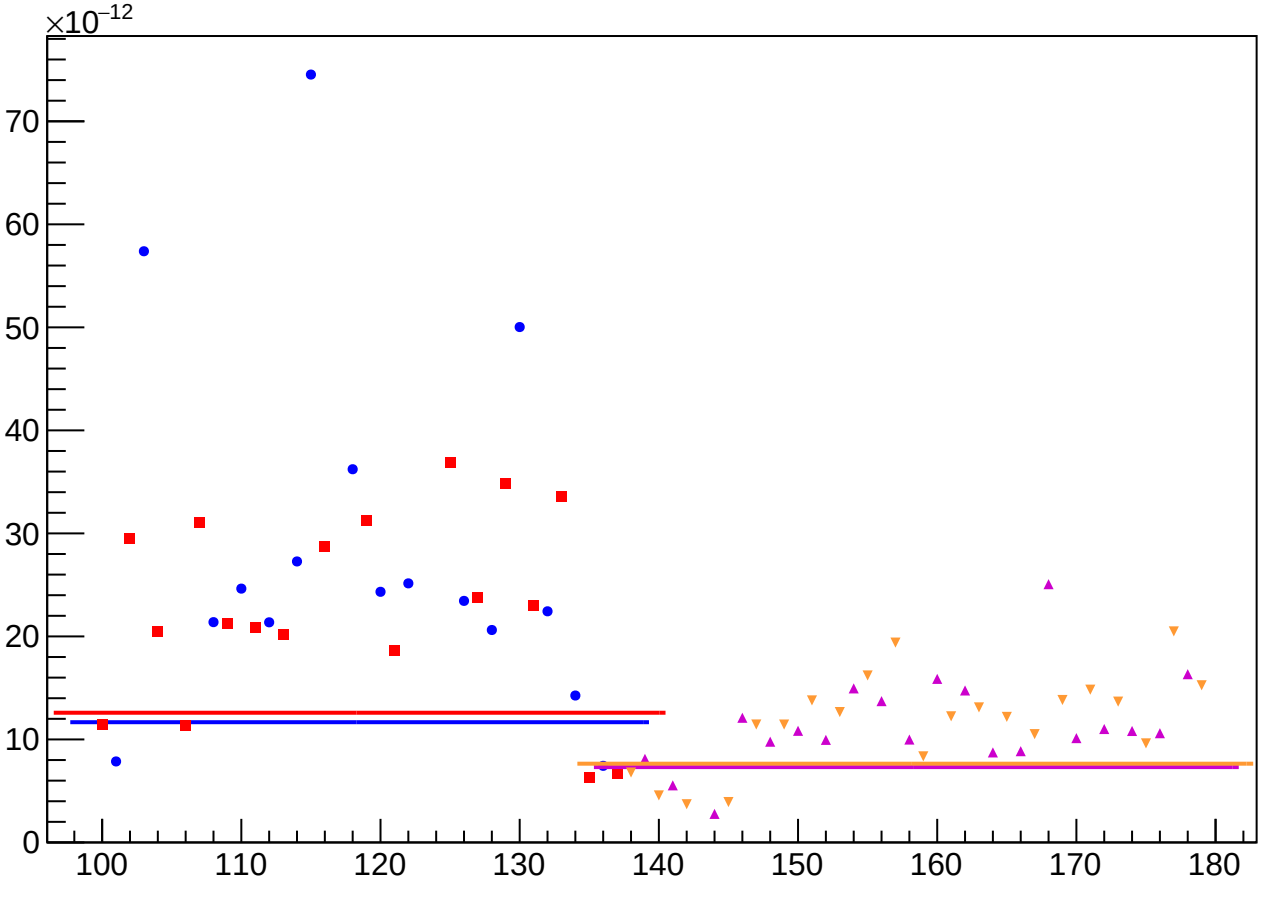
In: 46.598+/-0.007 χ^2/NDF:2409844.1/35

Out: 44.378+/-0.007 χ^2/NDF:3132323.3/38

All: 45.461+/-0.005 χ^2/NDF: 5587745.9/74


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:12.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:16.1/19
Left: -0.000+/-0.000 χ²/NDF: 34.0/40
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:24.5/35
Out: 0.000+/-0.000 χ²/NDF:32.7/38
All: -0.000+/-0.000 χ²/NDF: 59.5/74

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5479485.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5788244.5/19

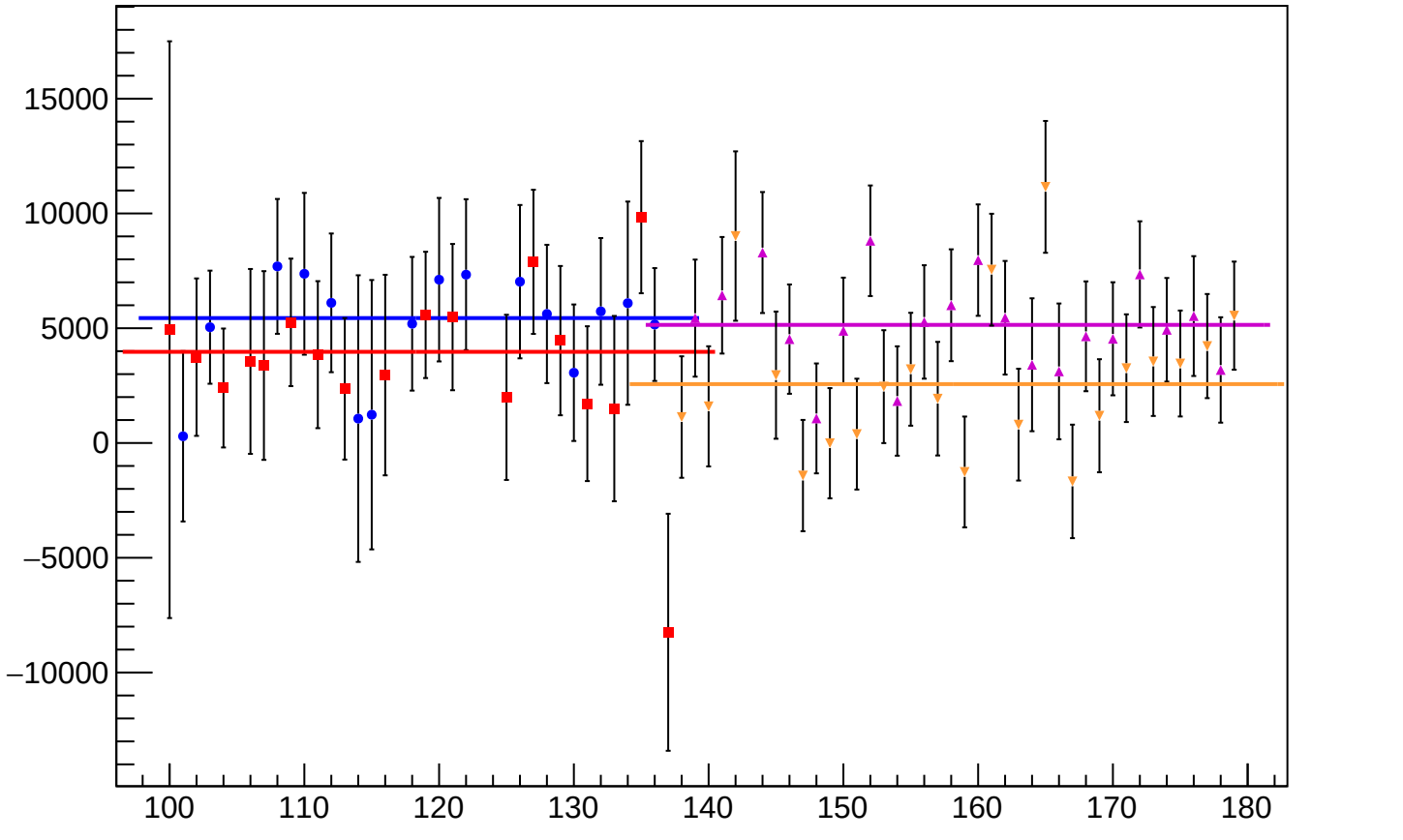
Left: 0.000+/-0.000 χ^2/NDF: 11284298.5/40

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9439798.0/35

Out: 0.000+/-0.000 χ^2/NDF:9232660.4/38

All: 0.000+/-0.000 χ^2/NDF: 18692869.8/74



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.666+/-543.744 χ^2/NDF:30.3/20

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5145.644+/-550.735 χ^2/NDF:13.0/19

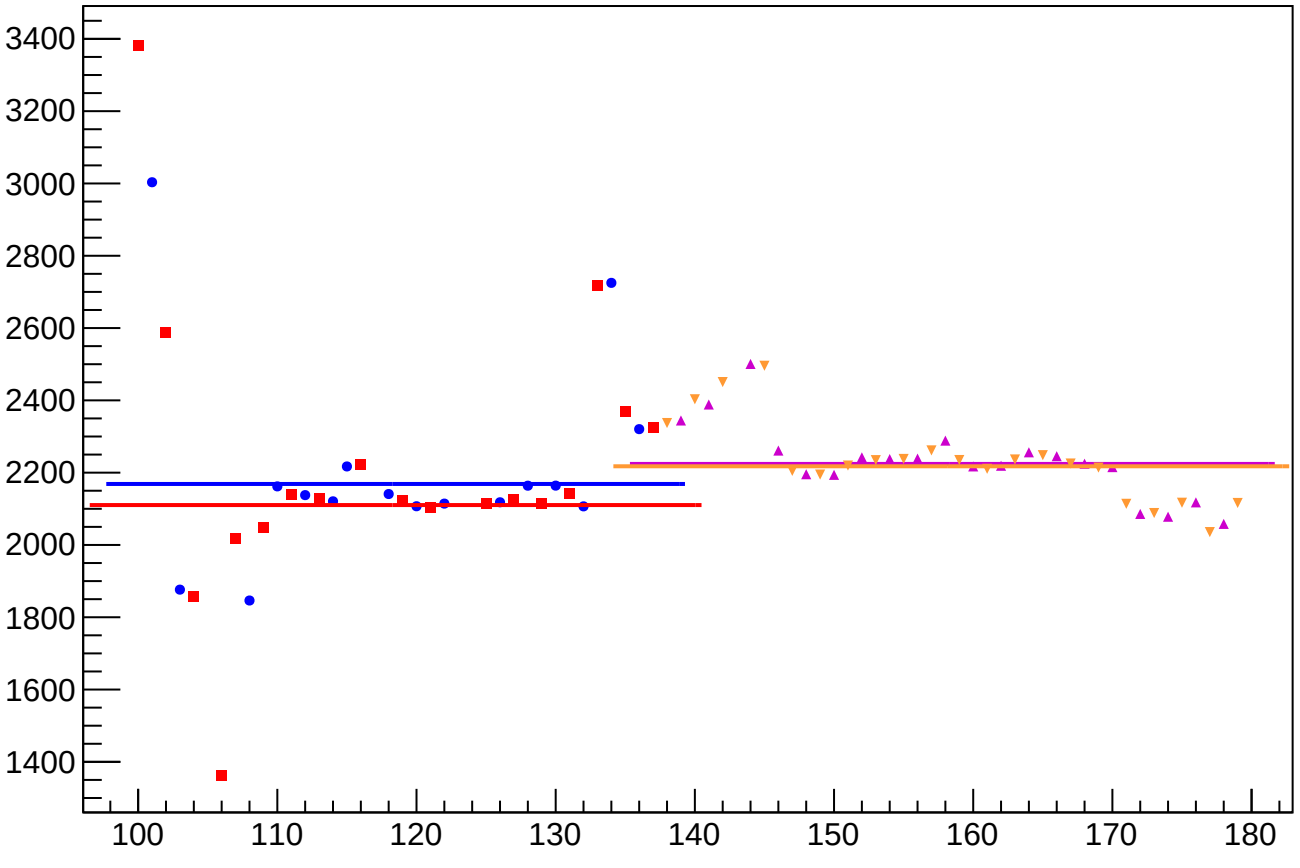
Left: 3839.177+/-386.933 χ^2/NDF: 54.4/40

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5239.041+/-455.883 χ^2/NDF:18.5/35

Out: 3003.178+/-451.288 χ^2/NDF:45.3/38

All: 4109.783+/-320.721 χ^2/NDF: 76.0/74



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.1/20

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

Left: 2220.833+/-0.274 χ^2/NDF: 141558.2/40

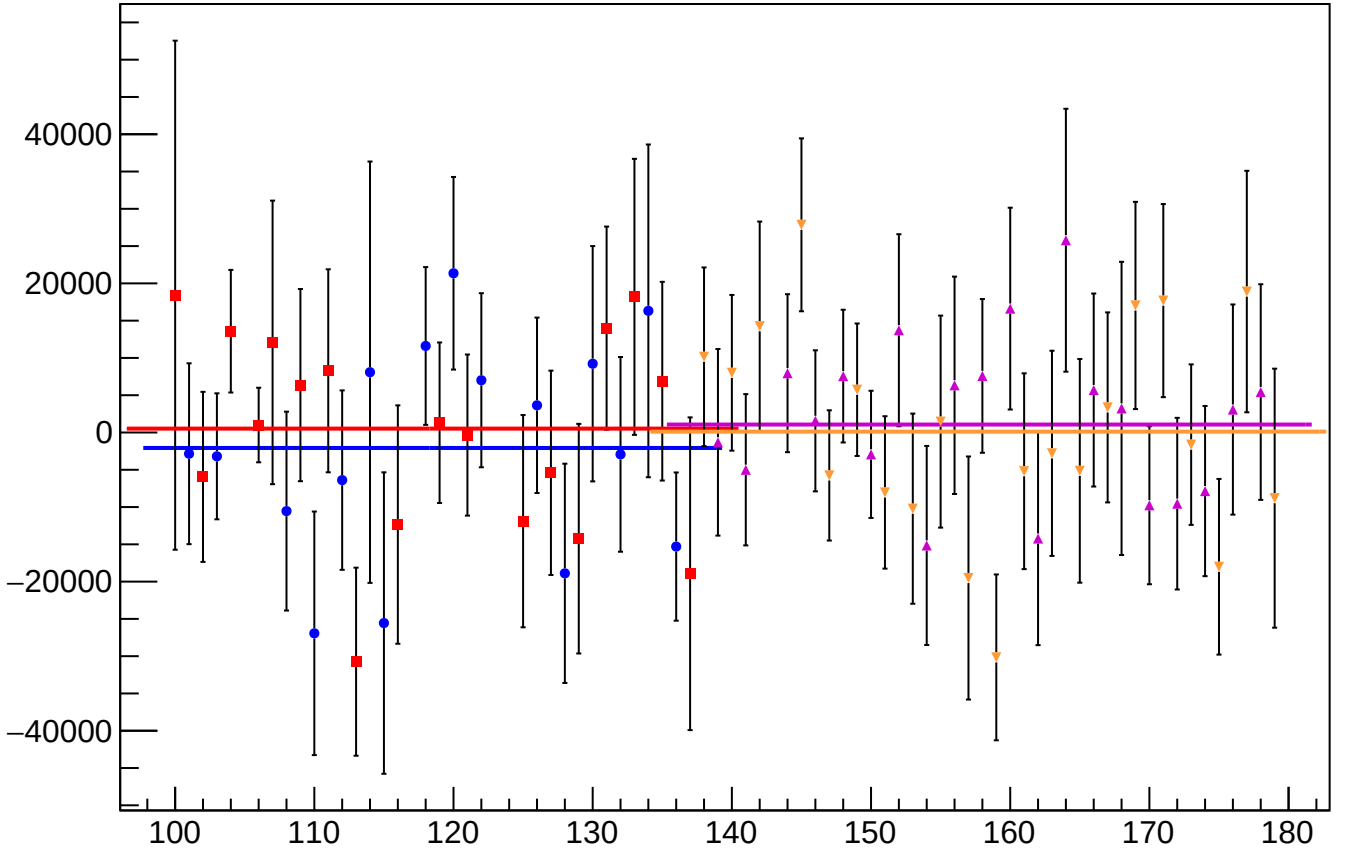
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2206.688+/-0.322 χ^2/NDF:269322.5/35

Out: 2183.504+/-0.318 χ^2/NDF:366290.9/38

All: 2194.920+/-0.226 χ^2/NDF: 638238.9/74

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 117.449+/-2646.980 χ^2/NDF:26.7/20

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 1066.544+/-2631.758 χ^2/NDF:11.7/19

Left: 594.734+/-1866.292 χ^2/NDF: 38.5/40

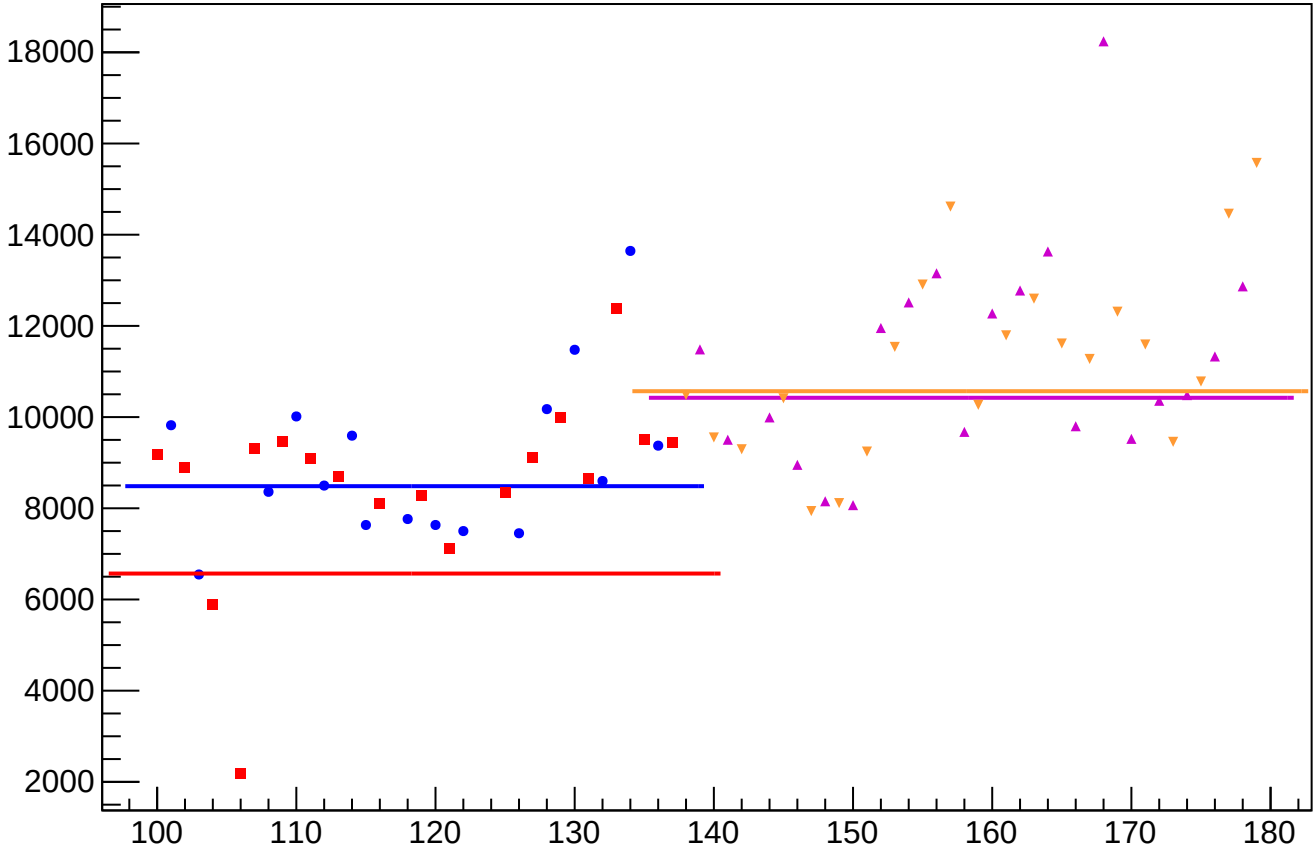
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -195.234+/-2035.724 χ^2/NDF:26.7/35

Out: 314.284+/-1895.488 χ^2/NDF:42.4/38

All: 77.677+/-1387.242 χ^2/NDF: 69.2/74

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10567.804+/-1.872 χ^2/NDF:1018144.1/20

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10423.483+/-1.861 χ^2/NDF:1081272.8/19

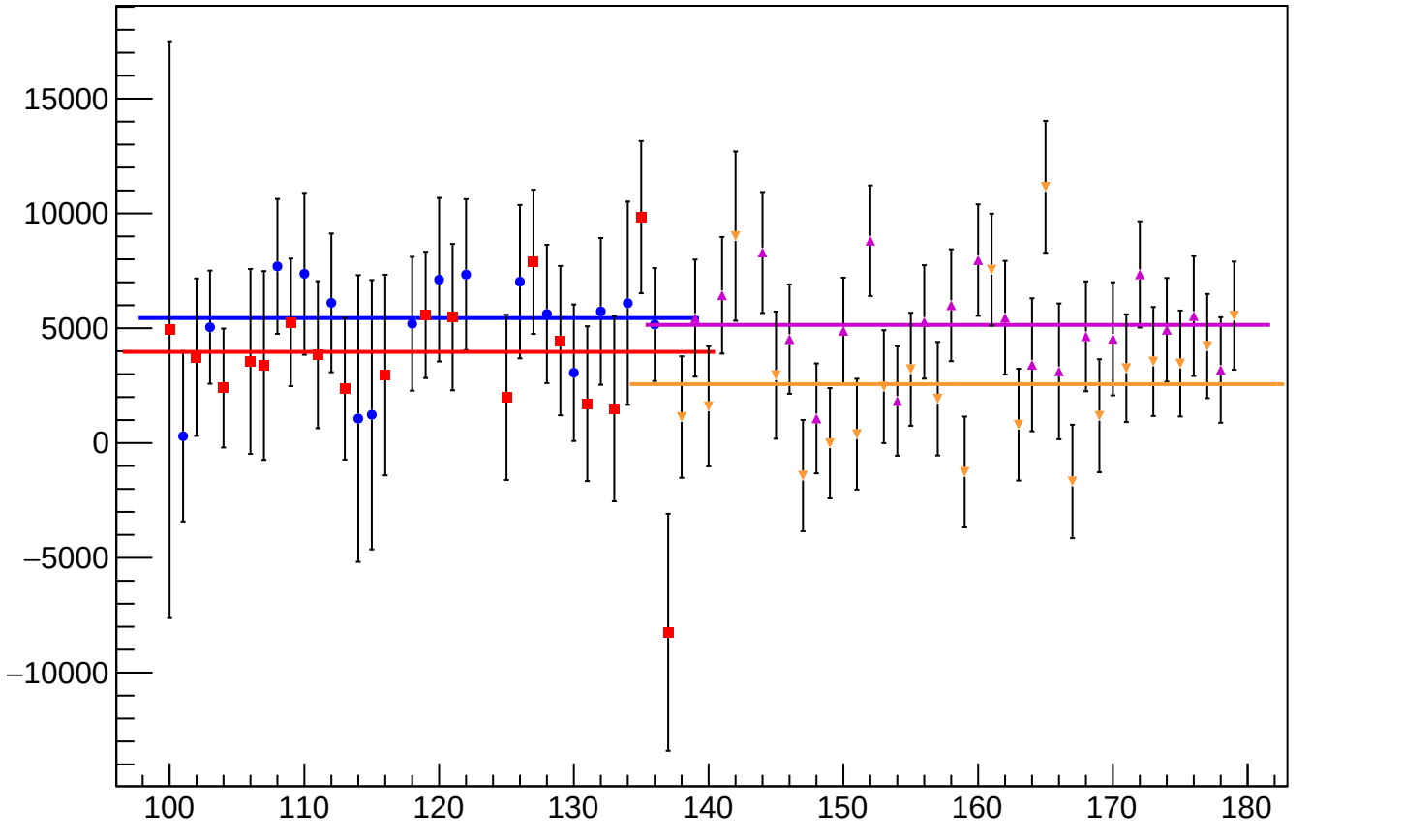
Left: 10495.227+/-1.320 χ^2/NDF: 2102406.8/40

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9644.866+/-1.439 χ^2/NDF:1939815.9/35

Out: 8619.412+/-1.340 χ^2/NDF:5811193.8/38

All: 9095.605+/-0.981 χ^2/NDF: 8022833.5/74



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5145.566+/-550.735 χ^2/NDF:13.0/19

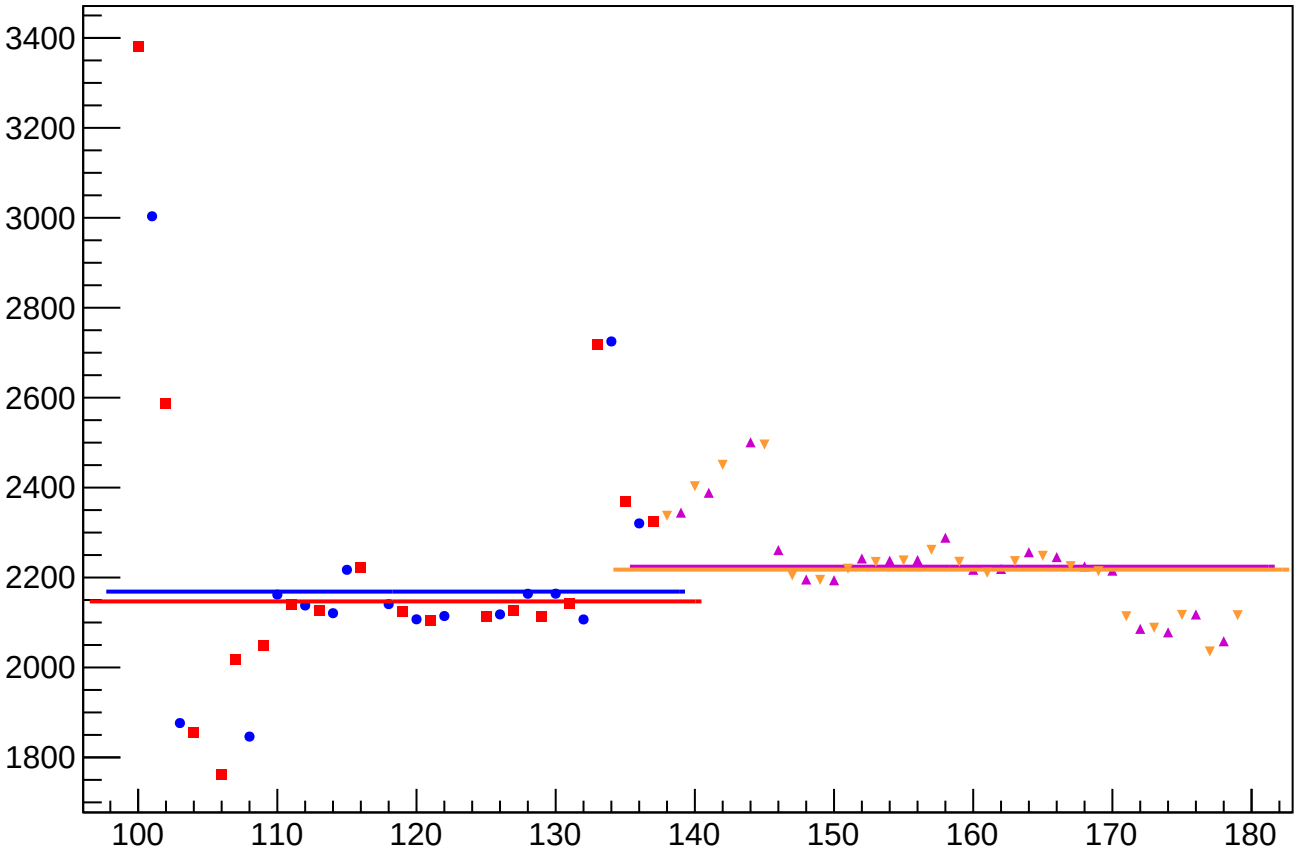
Left: 3839.101+/-386.933 χ^2/NDF: 54.4/40

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5239.031+/-455.883 χ^2/NDF:18.5/35

Out: 3003.047+/-451.288 χ^2/NDF:45.3/38

All: 4109.713+/-320.721 χ^2/NDF: 76.0/74



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

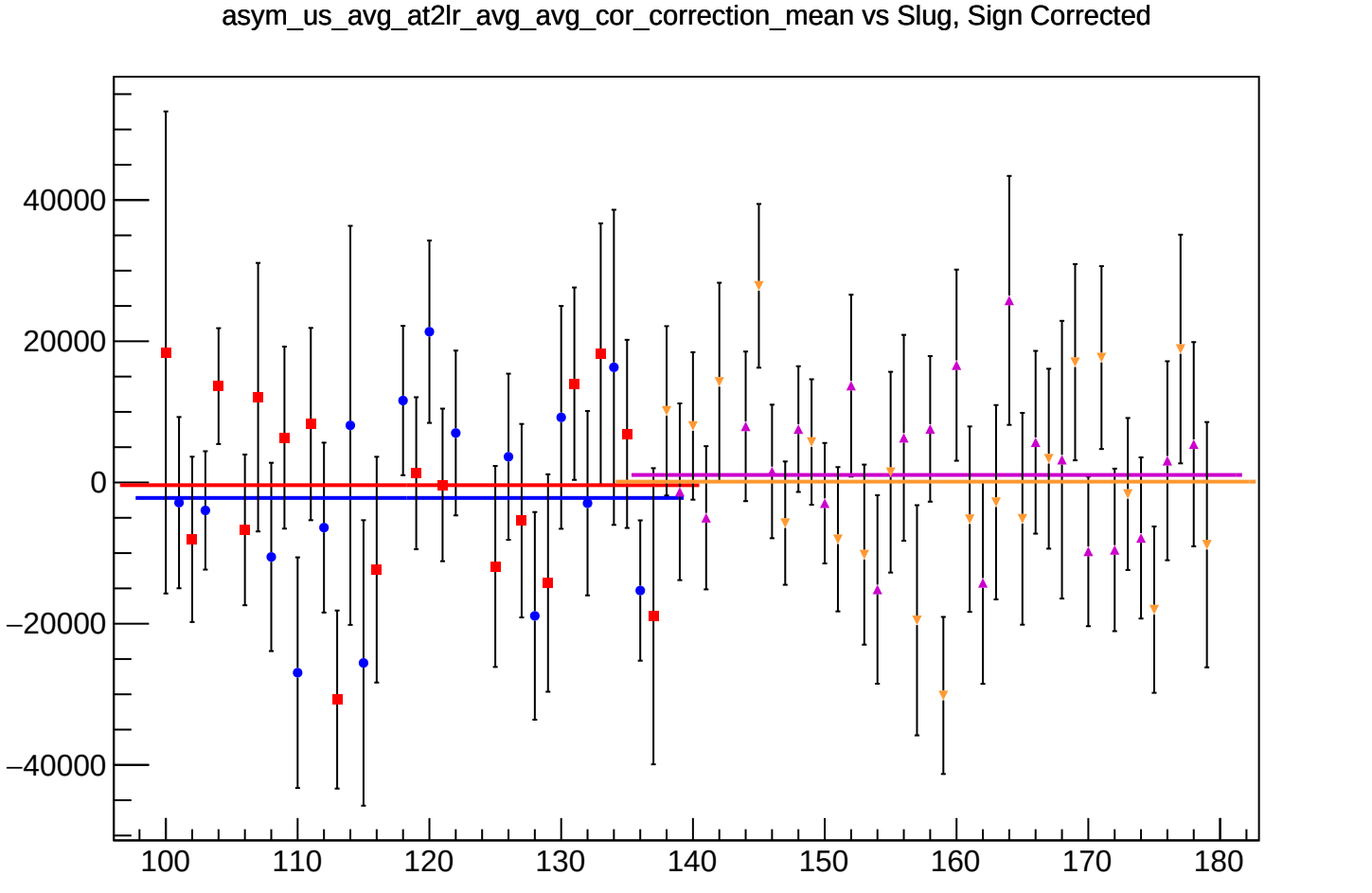
Left: 2220.833+/-0.274 χ^2/NDF: 141558.2/40

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2206.688+/-0.322 χ^2/NDF:269322.9/35

Out: 2195.457+/-0.319 χ^2/NDF:242480.9/38

All: 2201.007+/-0.227 χ^2/NDF: 512417.7/74



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 117.451+/-2646.979 χ^2/NDF:26.7/20

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1066.650+/-2631.757 χ^2/NDF:11.7/19

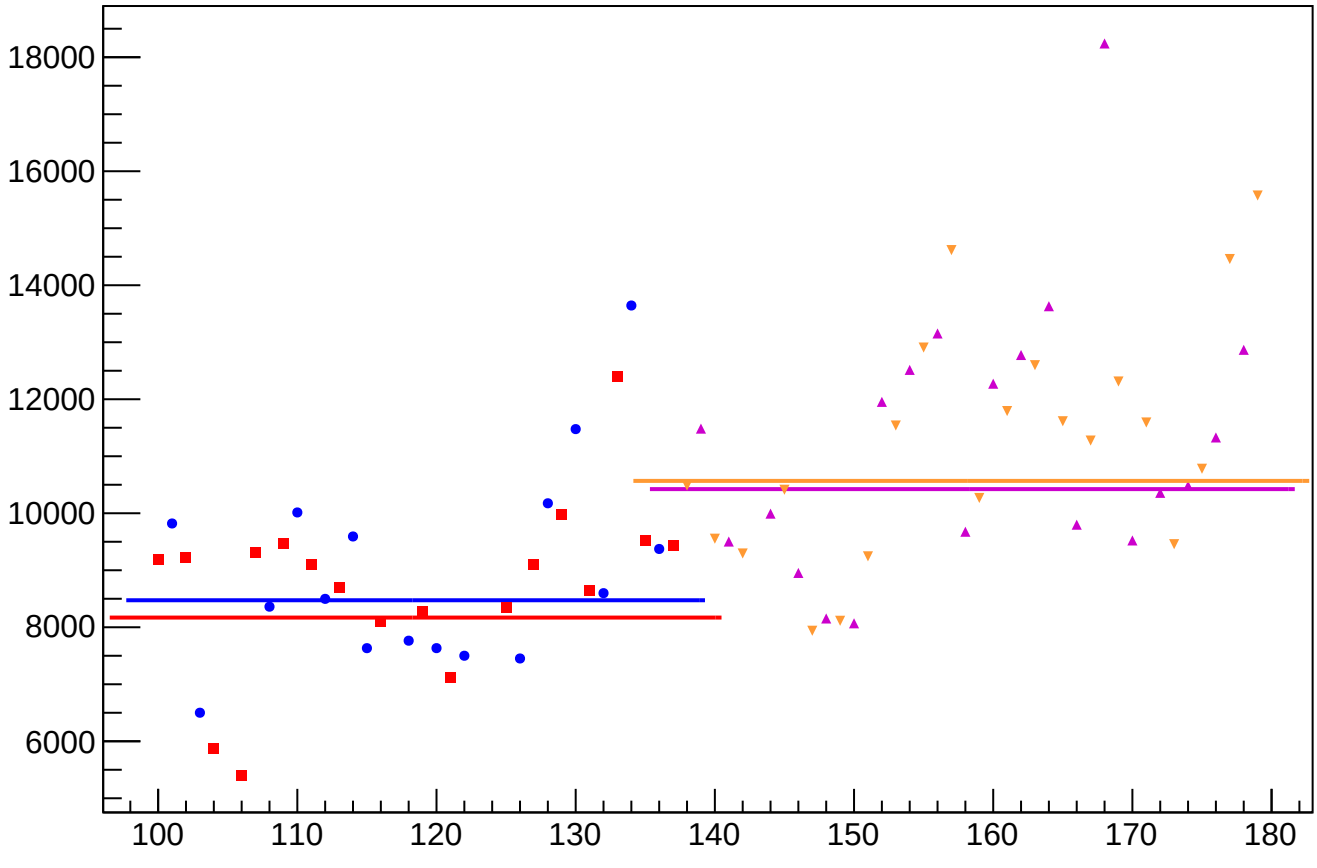
Left: 594.788+/-1866.292 χ^2/NDF: 38.5/40

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -242.866+/-2034.814 χ^2/NDF:26.8/35

Out: -91.986+/-2012.981 χ^2/NDF:43.1/38

All: -166.612+/-1431.049 χ^2/NDF: 69.9/74



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10567.798+/-1.872 χ^2/NDF:1018148.4/20

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

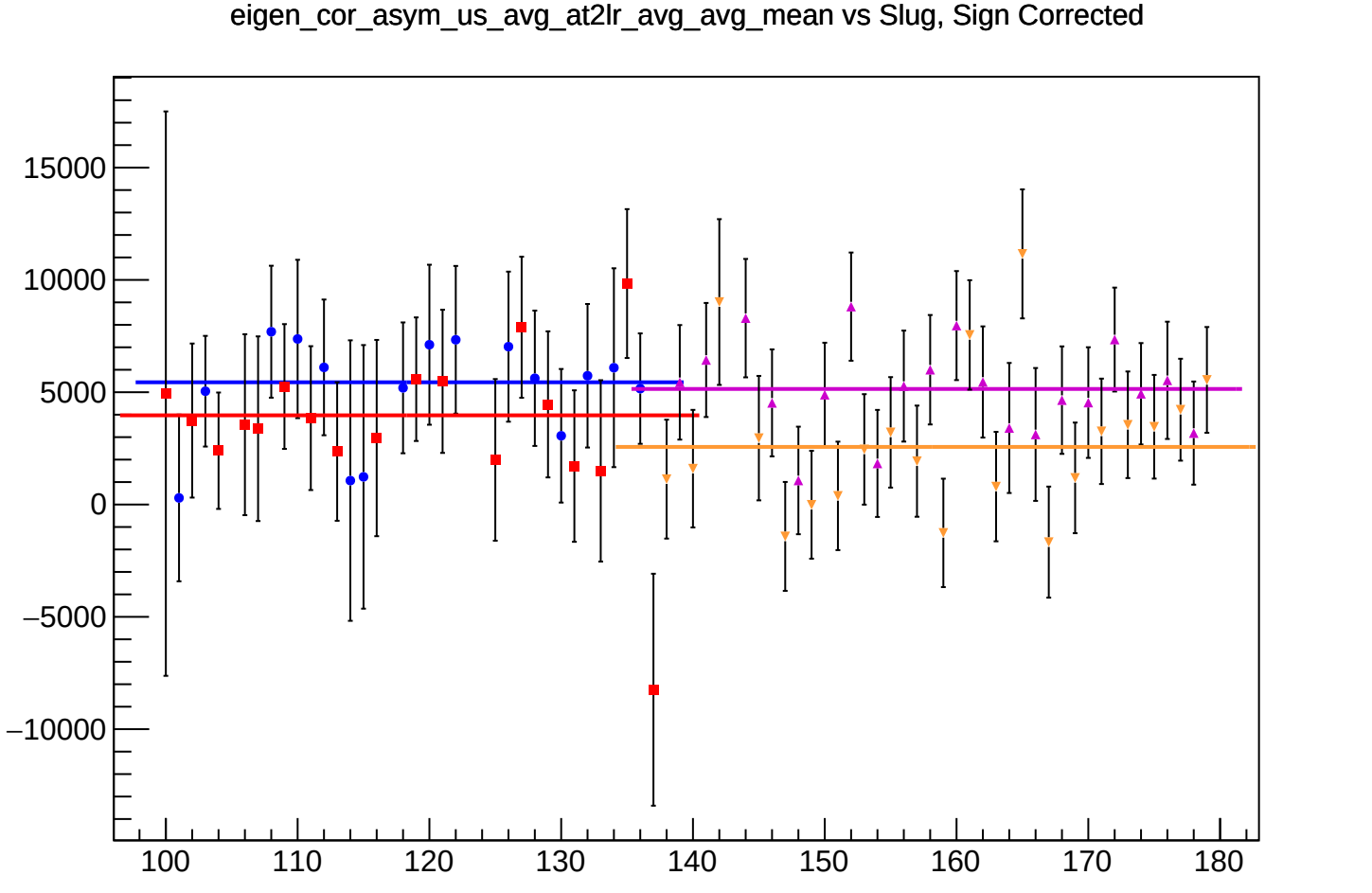
Left: 10495.222+/-1.320 χ^2/NDF: 2102416.1/40

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9639.300+/-1.439 χ^2/NDF:1952322.8/35

Out: 9556.739+/-1.423 χ^2/NDF:2250086.0/38

All: 9597.574+/-1.012 χ^2/NDF: 4204072.8/74



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2565.593+/-543.744 χ^2/NDF:30.3/20

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5145.566+/-550.735 χ^2/NDF:13.0/19

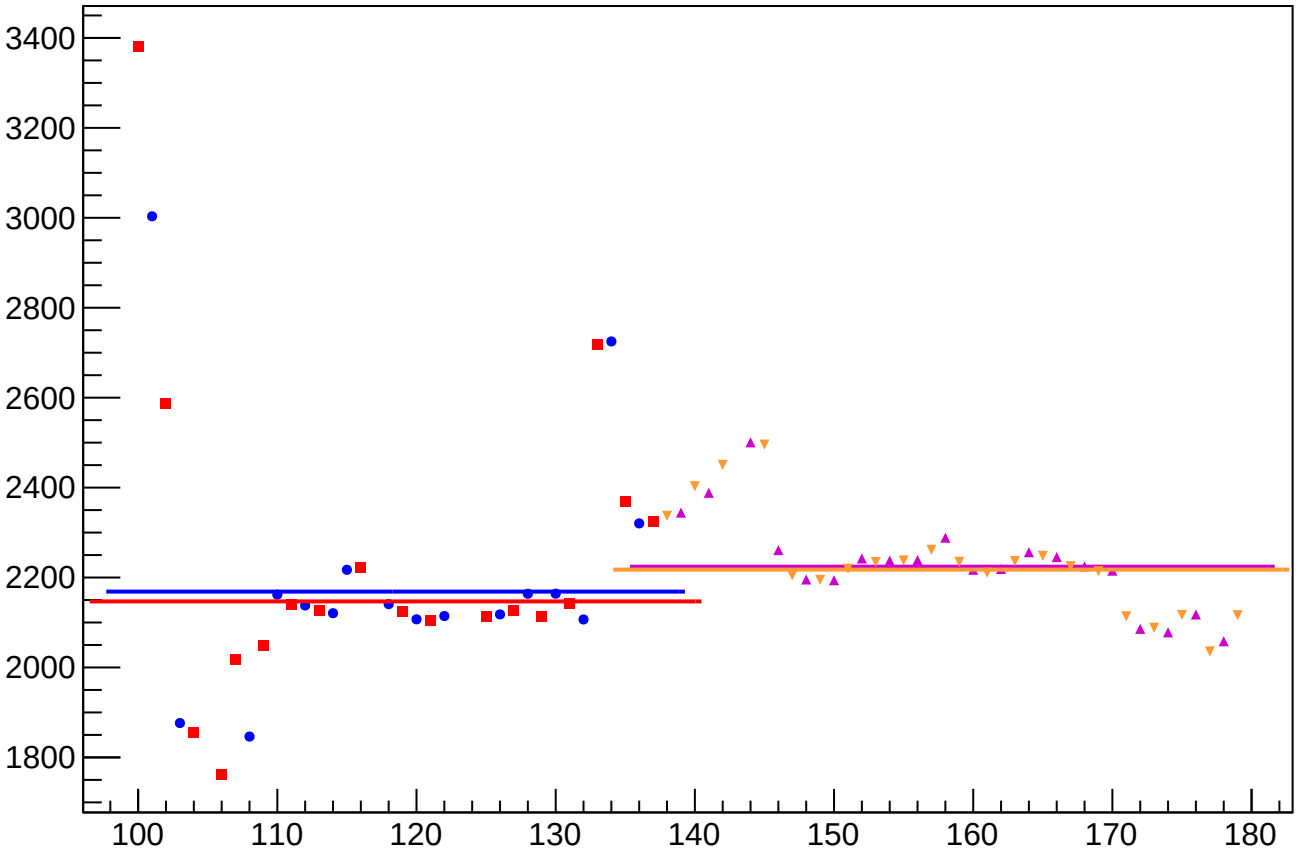
Left: 3839.101+/-386.933 χ^2/NDF: 54.4/40

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5239.031+/-455.883 χ^2/NDF:18.5/35

Out: 3003.047+/-451.288 χ^2/NDF:45.3/38

All: 4109.713+/-320.721 χ^2/NDF: 76.0/74



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2217.617+/-0.384 χ^2/NDF:74128.0/20

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2224.132+/-0.389 χ^2/NDF:67288.4/19

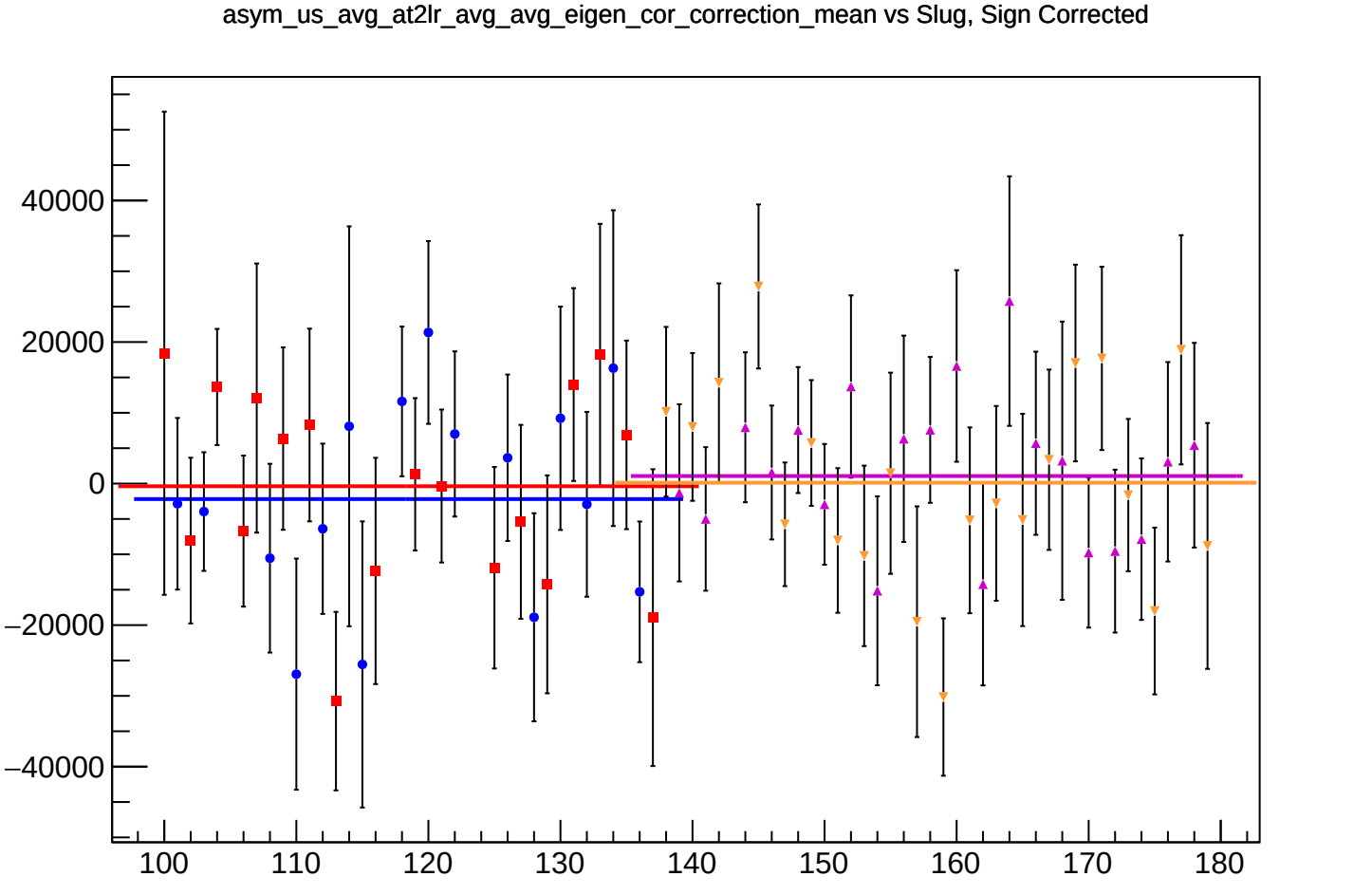
Left: 2220.833+/-0.274 χ^2/NDF: 141558.2/40

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2206.688+/-0.322 χ^2/NDF:269322.9/35

Out: 2195.457+/-0.319 χ^2/NDF:242480.9/38

All: 2201.007+/-0.227 χ^2/NDF: 512417.7/74



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 117.451+/-2646.979 χ^2/NDF:26.7/20

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1066.650+/-2631.757 χ^2/NDF:11.7/19

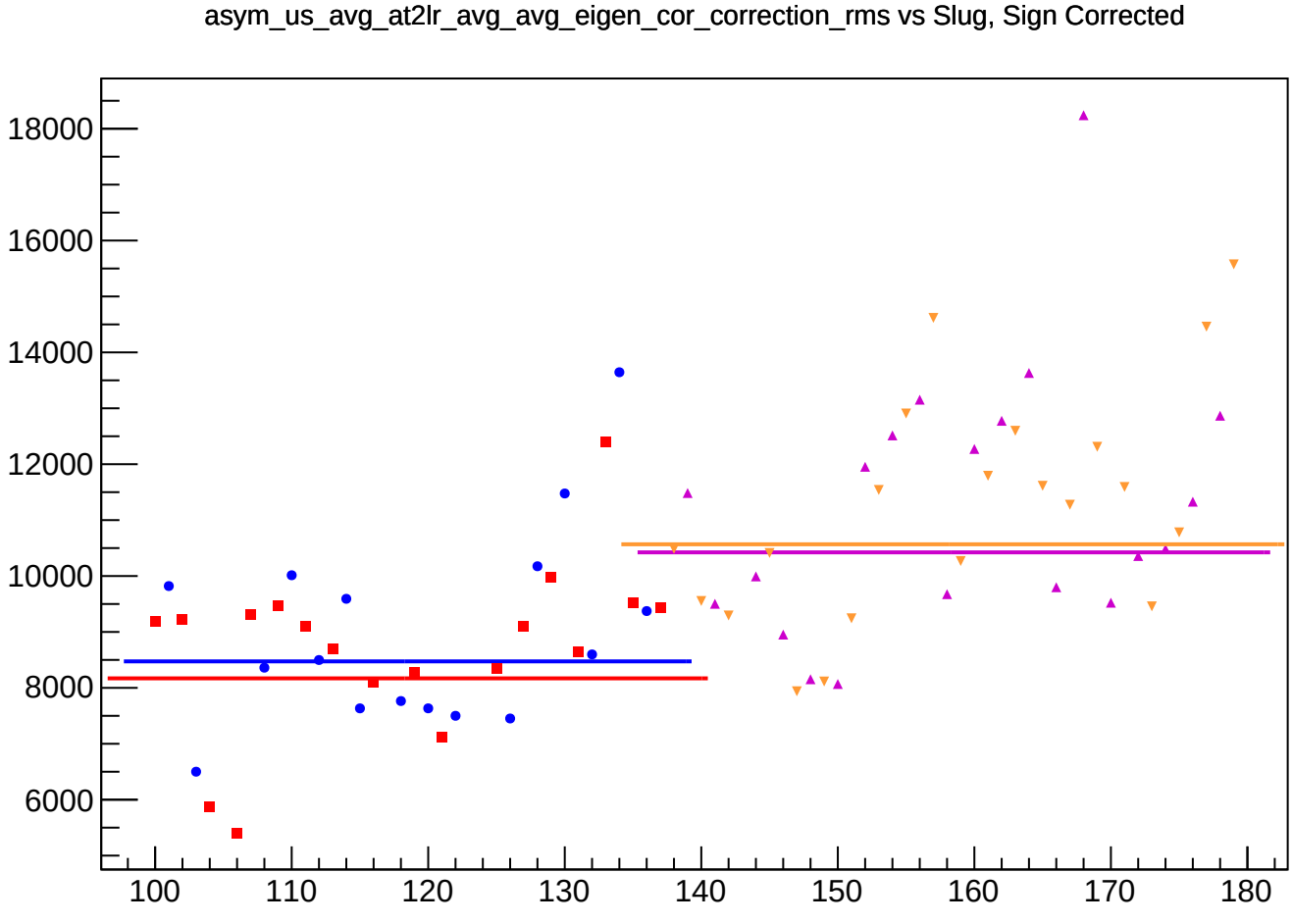
Left: 594.788+/-1866.292 χ^2/NDF: 38.5/40

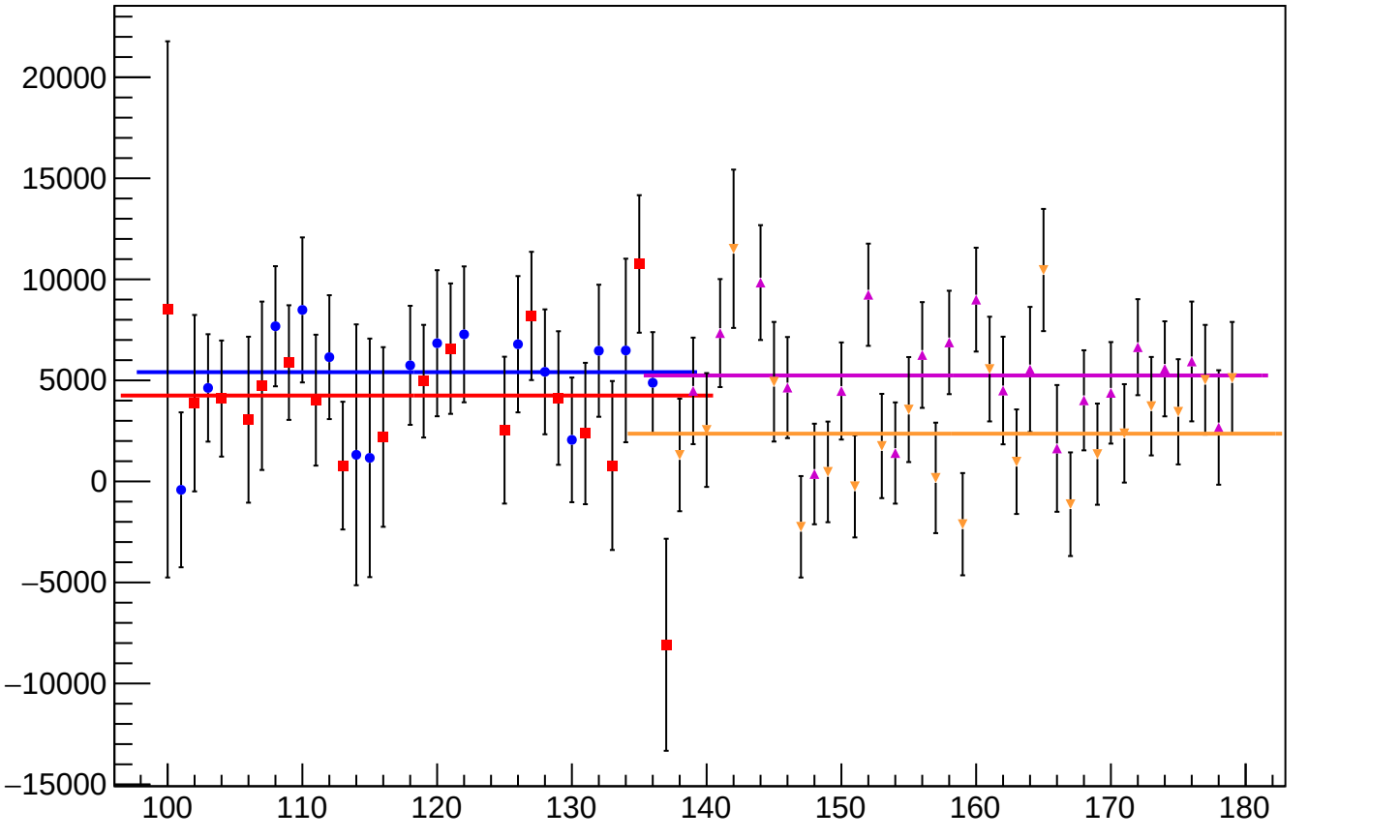
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -242.866+/-2034.814 χ^2/NDF:26.8/35

Out: -91.986+/-2012.981 χ^2/NDF:43.1/38

All: -166.612+/-1431.049 χ^2/NDF: 69.9/74


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10567.798+/-1.872 χ²/NDF:1018148.4/20
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10423.478+/-1.861 χ²/NDF:1081277.8/19
Left: 10495.222+/-1.320 χ²/NDF: 2102416.1/40
Right: 8316.660+/-1.576 χ²/NDF: 978741.7/33
In: 9639.300+/-1.439 χ²/NDF:1952322.8/35
Out: 9556.739+/-1.423 χ²/NDF:2250086.0/38
All: 9597.574+/-1.012 χ²/NDF: 4204072.8/74



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2362.423+/-580.415 χ^2/NDF:28.8/20

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5244.275+/-583.949 χ^2/NDF:17.9/19

Left: 3794.603+/-411.659 χ^2/NDF: 59.0/40

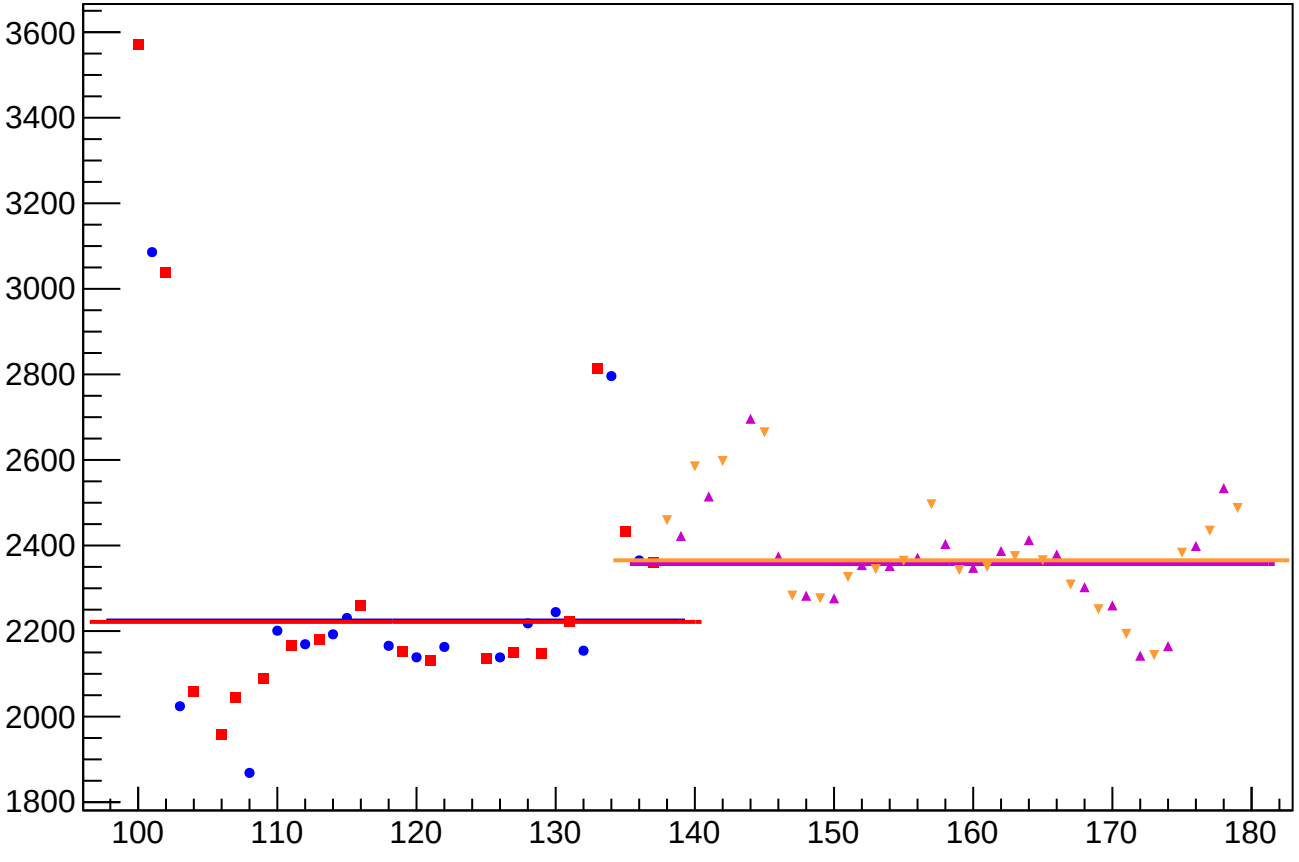
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5298.119+/-478.291 χ^2/NDF:24.6/35

Out: 2973.021+/-477.389 χ^2/NDF:46.7/38

All: 4133.377+/-337.883 χ^2/NDF: 83.2/74

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2365.396+/-0.410 χ^2/NDF:89010.5/20

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2356.735+/-0.413 χ^2/NDF:84445.4/19

Left: 2361.092+/-0.291 χ^2/NDF: 173677.2/40

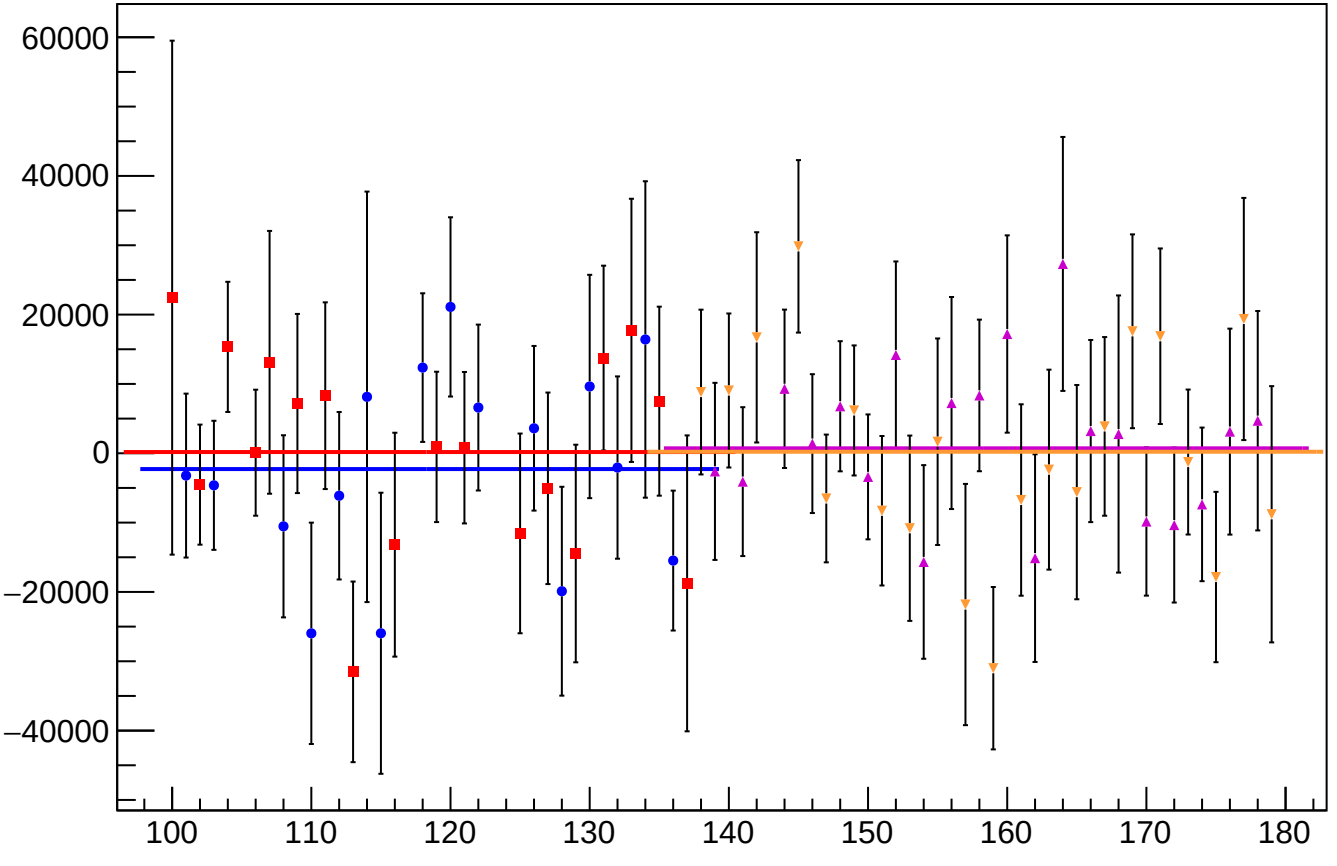
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2313.249+/-0.338 χ^2/NDF:302822.8/35

Out: 2318.783+/-0.337 χ^2/NDF:298796.4/38

All: 2316.021+/-0.239 χ^2/NDF: 601753.4/74

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 218.481+/-2751.720 χ^2/NDF:26.4/20

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 712.810+/-2736.836 χ^2/NDF:11.7/19

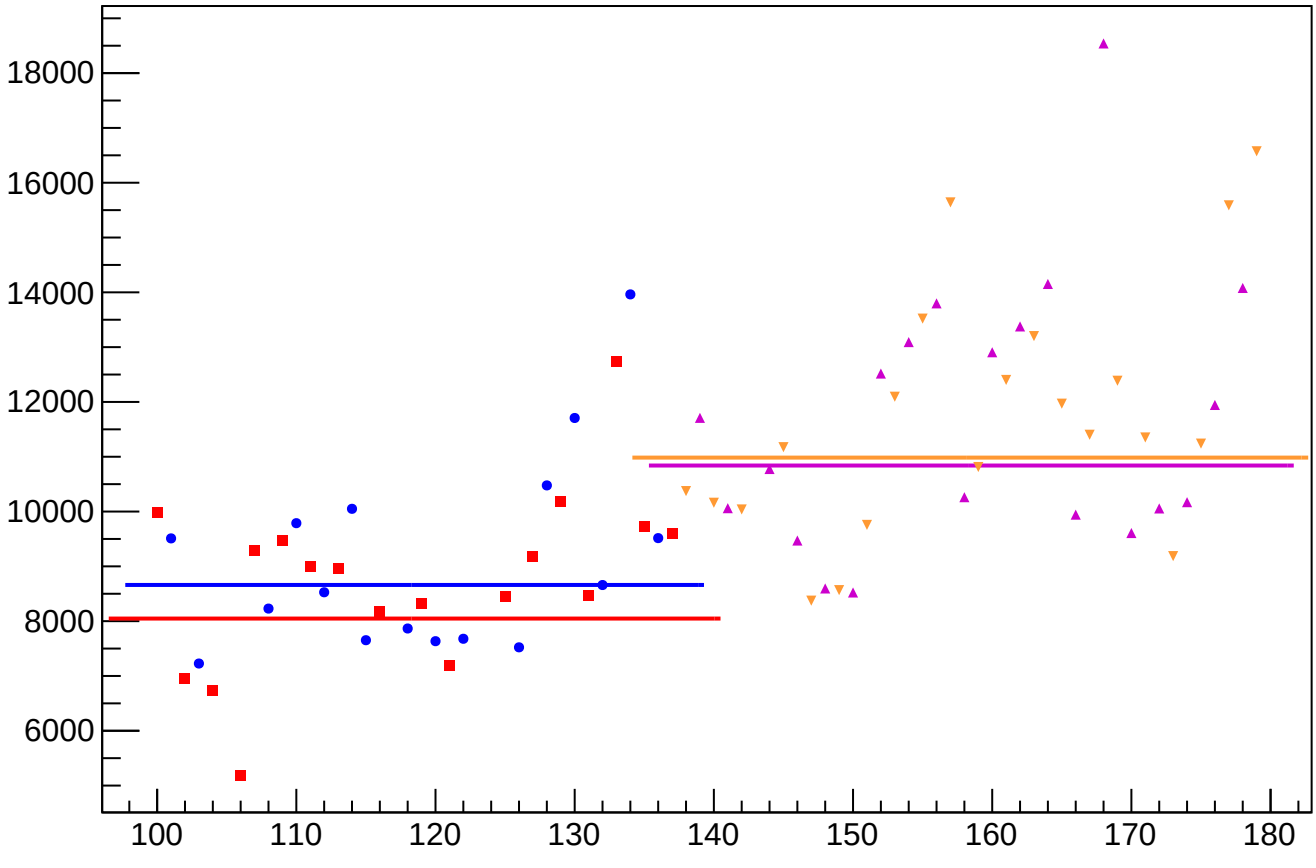
Left: 466.986+/-1940.476 χ^2/NDF: 38.1/40

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -518.614+/-2099.217 χ^2/NDF:26.7/35

Out: 199.779+/-2038.678 χ^2/NDF:42.0/38

All: -148.909+/-1462.497 χ^2/NDF: 68.8/74



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10984.378+/-1.946 χ^2/NDF:1041784.1/20

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10839.817+/-1.935 χ^2/NDF:1077203.7/19

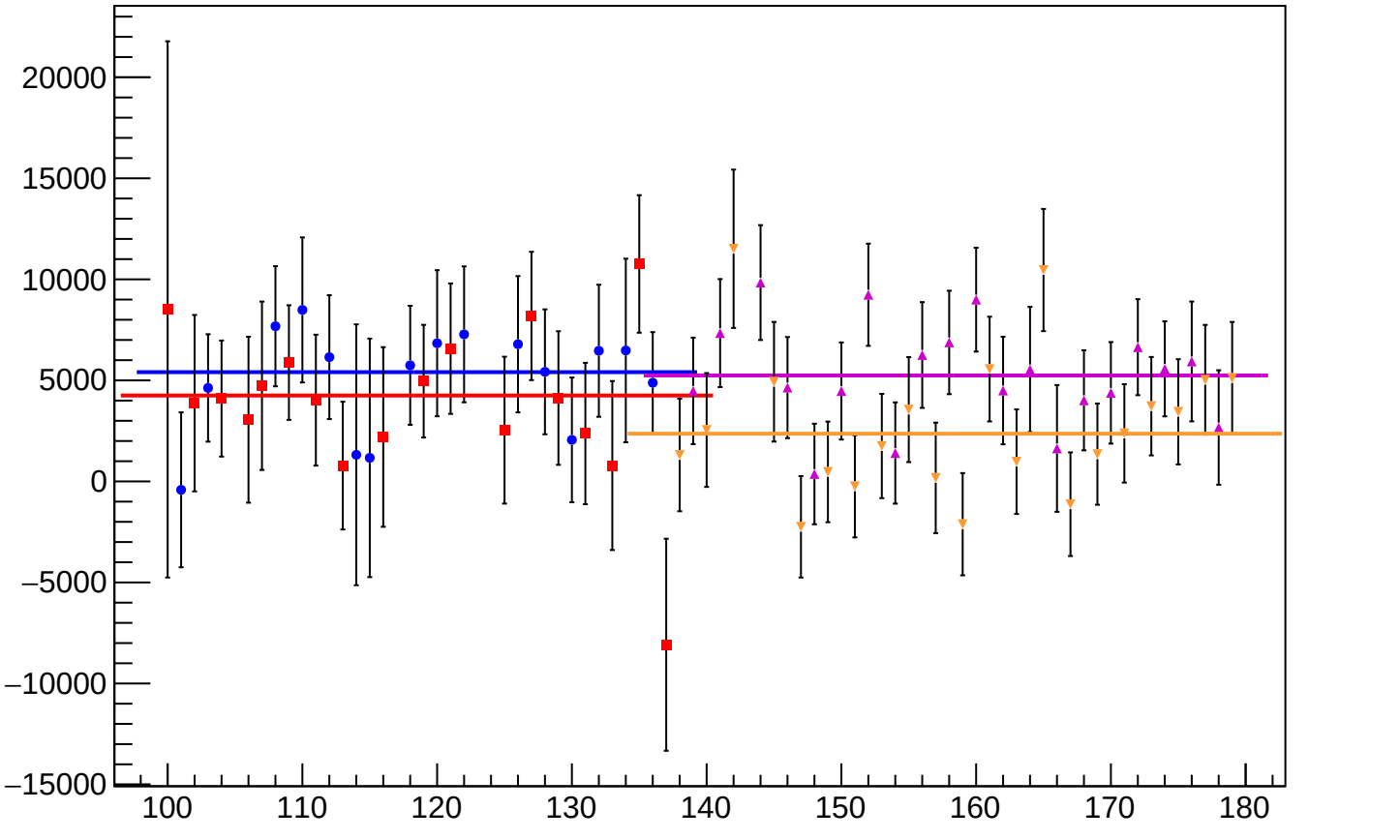
Left: 10911.706+/-1.372 χ^2/NDF: 2121762.7/40

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9942.742+/-1.484 χ^2/NDF:1957123.3/35

Out: 9659.518+/-1.442 χ^2/NDF:2628084.2/38

All: 9796.987+/-1.034 χ^2/NDF: 4603943.2/74



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2362.411+/-580.416 χ^2/NDF:28.8/20

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5244.281+/-583.950 χ^2/NDF:17.9/19

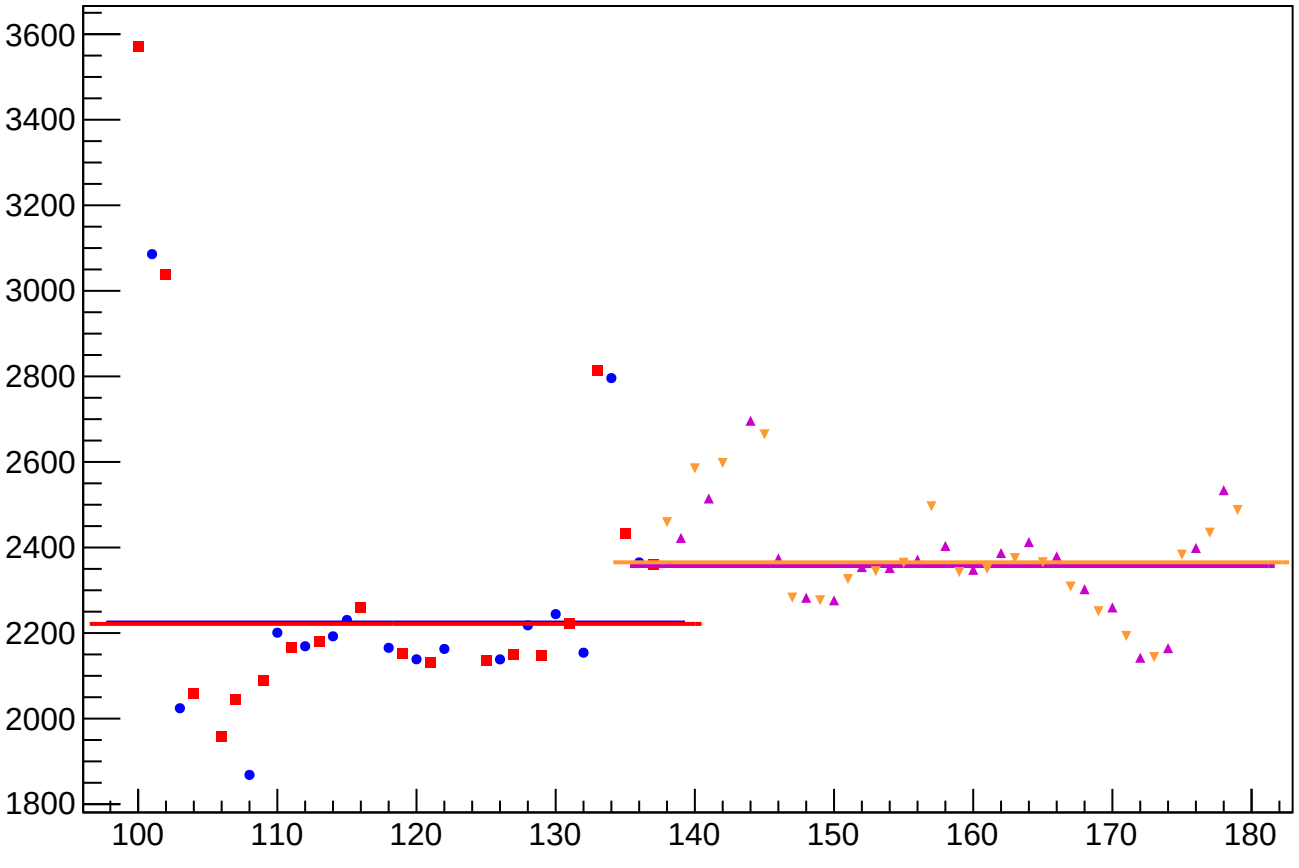
Left: 3794.600+/-411.660 χ^2/NDF: 59.0/40

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5298.124+/-478.291 χ^2/NDF:24.6/35

Out: 2973.016+/-477.390 χ^2/NDF:46.7/38

All: 4133.377+/-337.884 χ^2/NDF: 83.2/74



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2365.399+/-0.410 χ^2/NDF:89015.0/20

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2356.738+/-0.413 χ^2/NDF:84449.4/19

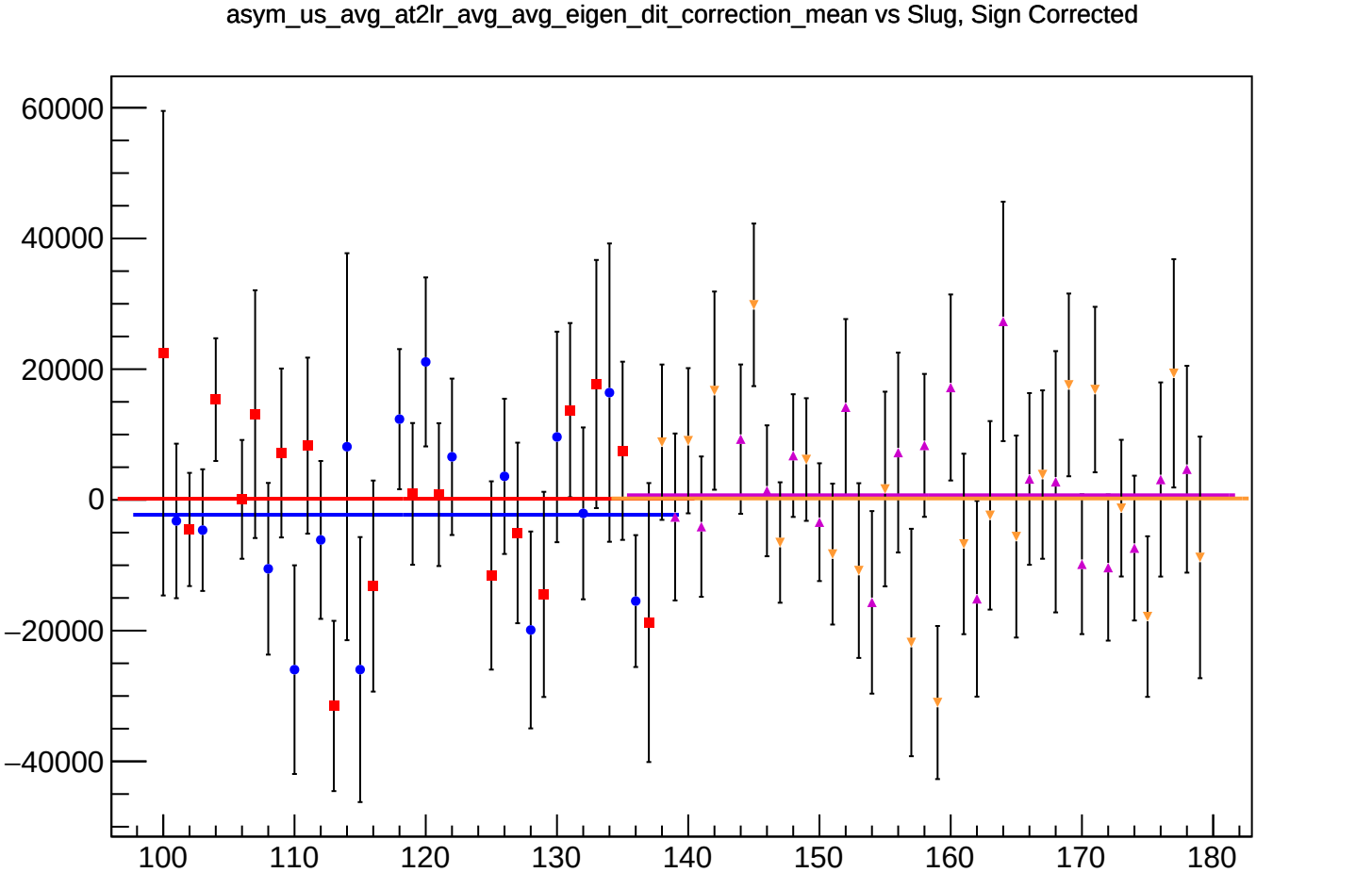
Left: 2361.095+/-0.291 χ^2/NDF: 173685.7/40

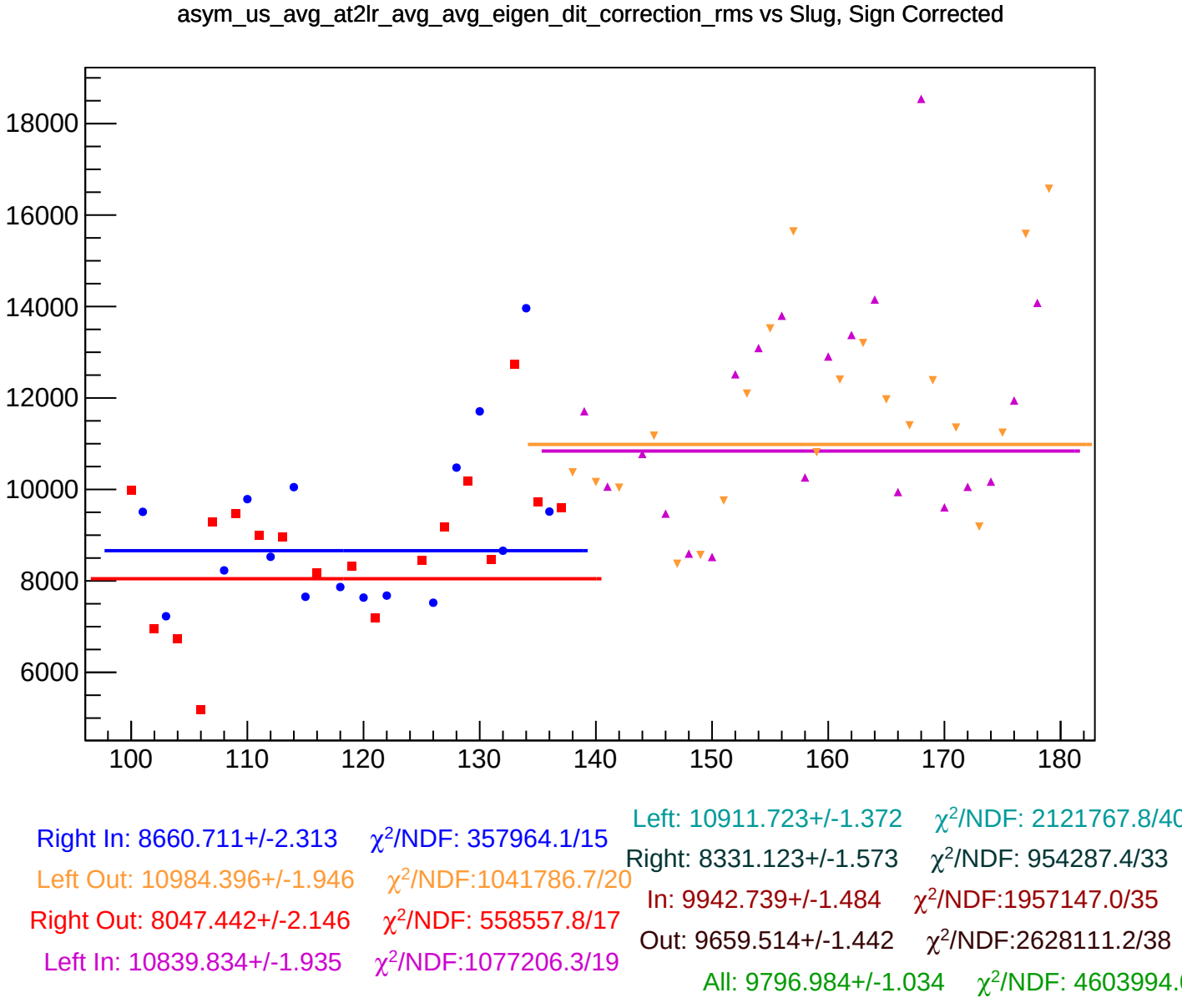
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

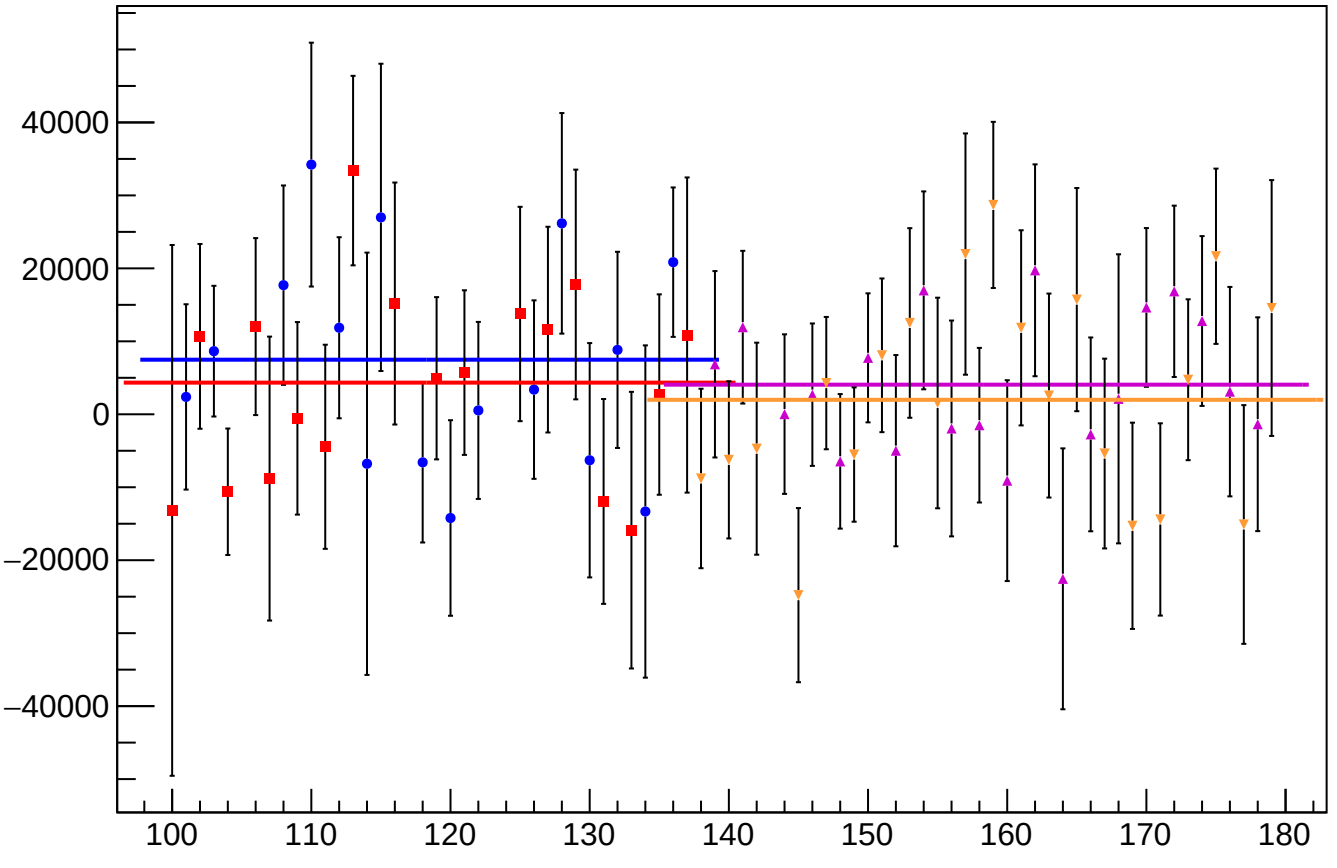
In: 2313.251+/-0.338 χ^2/NDF:302828.9/35

Out: 2318.784+/-0.337 χ^2/NDF:298803.2/38

All: 2316.023+/-0.239 χ^2/NDF: 601766.2/74


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -2278.418+/-3271.742 χ²/NDF: 14.5/15
Left Out: 218.474+/-2751.724 χ²/NDF:26.4/20
Right Out: 177.029+/-3035.348 χ²/NDF: 15.6/17
Left In: 712.810+/-2736.841 χ²/NDF:11.7/19
Left: 466.983+/-1940.479 χ²/NDF: 38.1/40
Right: -958.792+/-2225.198 χ²/NDF: 30.4/33
In: -518.610+/-2099.217 χ²/NDF:26.7/35
Out: 199.778+/-2038.678 χ²/NDF:42.0/38
All: -148.908+/-1462.497 χ²/NDF: 68.8/74


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 8660.711+/-2.313 χ²/NDF: 357964.1/15
Left Out: 10984.396+/-1.946 χ²/NDF:1041786.7/20
Right Out: 8047.442+/-2.146 χ²/NDF: 558557.8/17
Left In: 10839.834+/-1.935 χ²/NDF:1077206.3/19
Left: 10911.723+/-1.372 χ²/NDF: 2121767.8/40
Right: 8331.123+/-1.573 χ²/NDF: 954287.4/33
In: 9942.739+/-1.484 χ²/NDF:1957147.0/35
Out: 9659.514+/-1.442 χ²/NDF:2628111.2/38
All: 9796.984+/-1.034 χ²/NDF: 4603994.0/74



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1985.816+/-2712.986 χ^2/NDF:24.3/20

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 4058.005+/-2698.078 χ^2/NDF:11.5/19

Left: 3027.620+/-1913.078 χ^2/NDF: 36.1/40

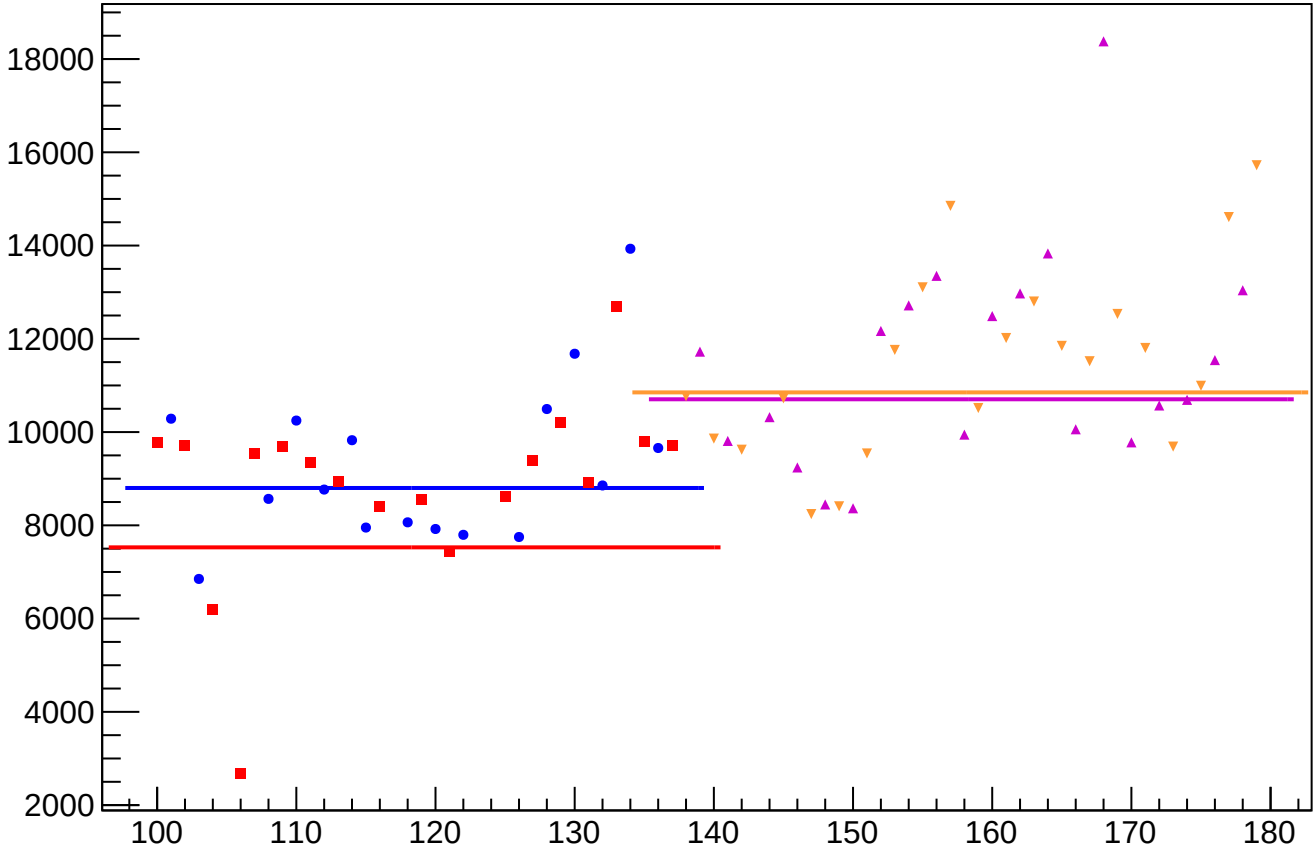
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5414.426+/-2096.568 χ^2/NDF:26.1/35

Out: 2954.437+/-2080.760 χ^2/NDF:39.0/38

All: 4175.123+/-1476.877 χ^2/NDF: 65.8/74

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10851.078+/-1.918 χ^2/NDF:935568.1/20

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10703.141+/-1.908 χ^2/NDF:998667.1/19

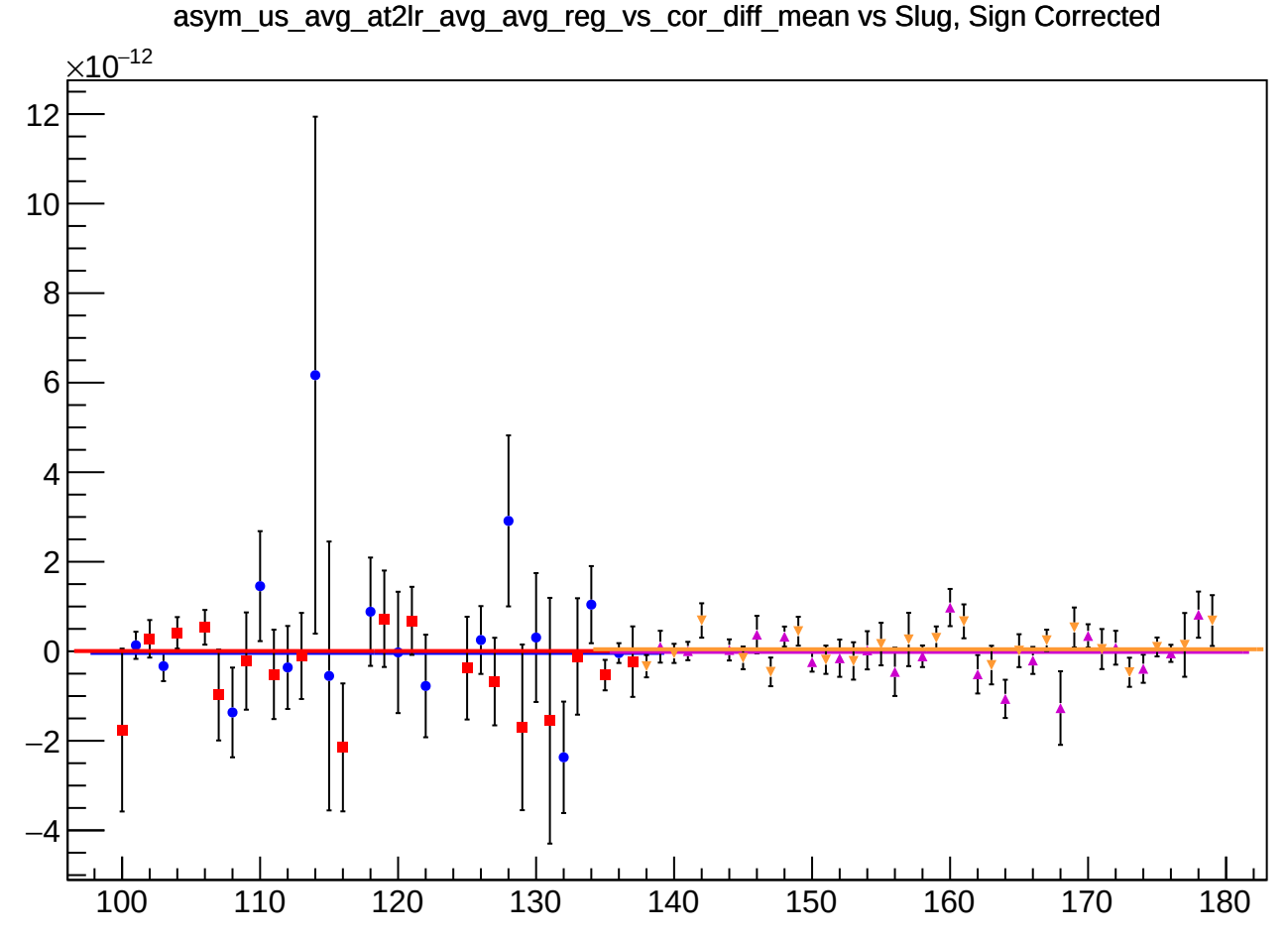
Left: 10776.702+/-1.353 χ^2/NDF: 1937225.1/40

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9949.573+/-1.482 χ^2/NDF:1787036.1/35

Out: 9361.398+/-1.425 χ^2/NDF:3938091.1/38

All: 9643.850+/-1.027 χ^2/NDF: 5806945.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:27.2/19

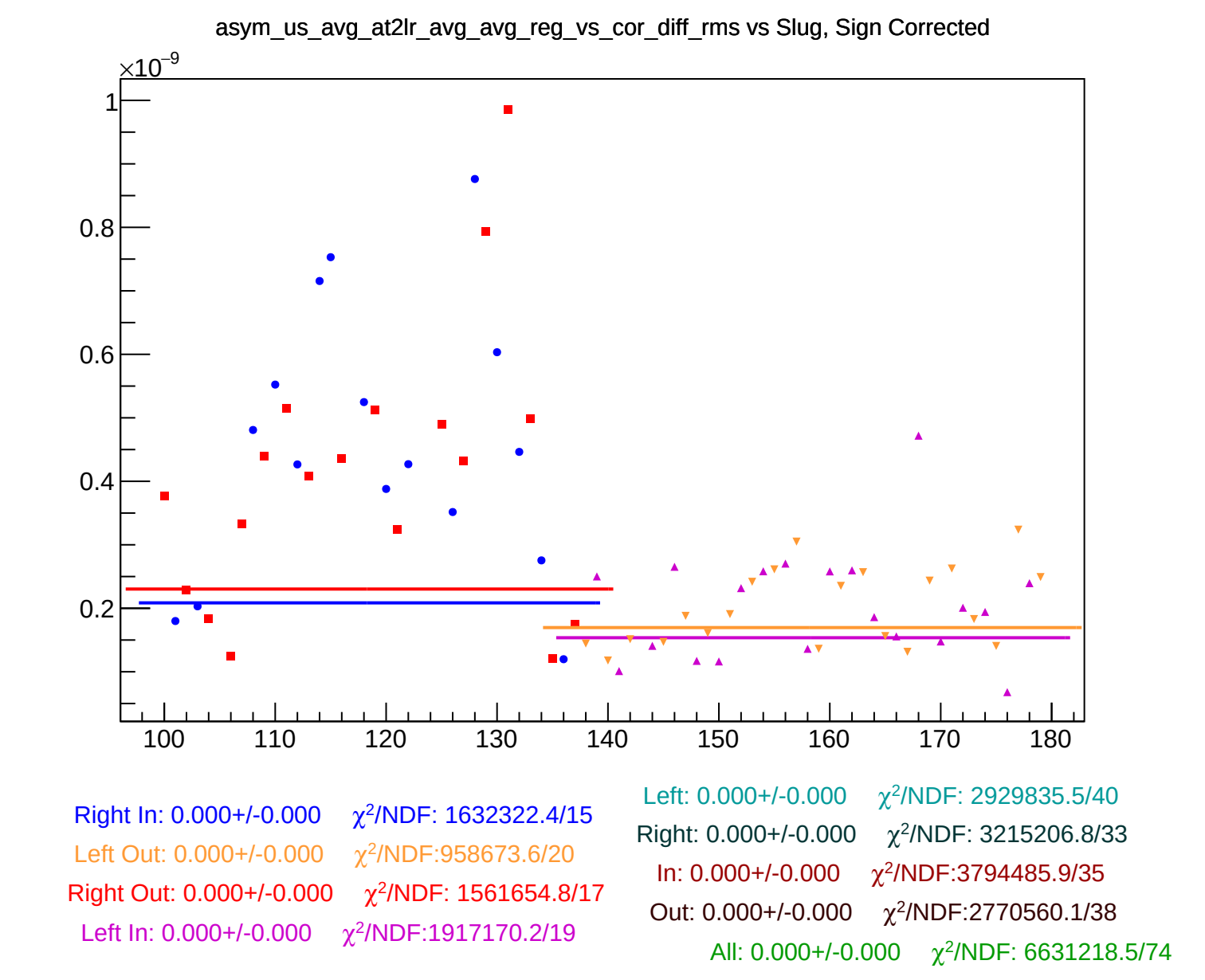
Left: 0.000+/-0.000 χ^2/NDF: 48.7/40

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

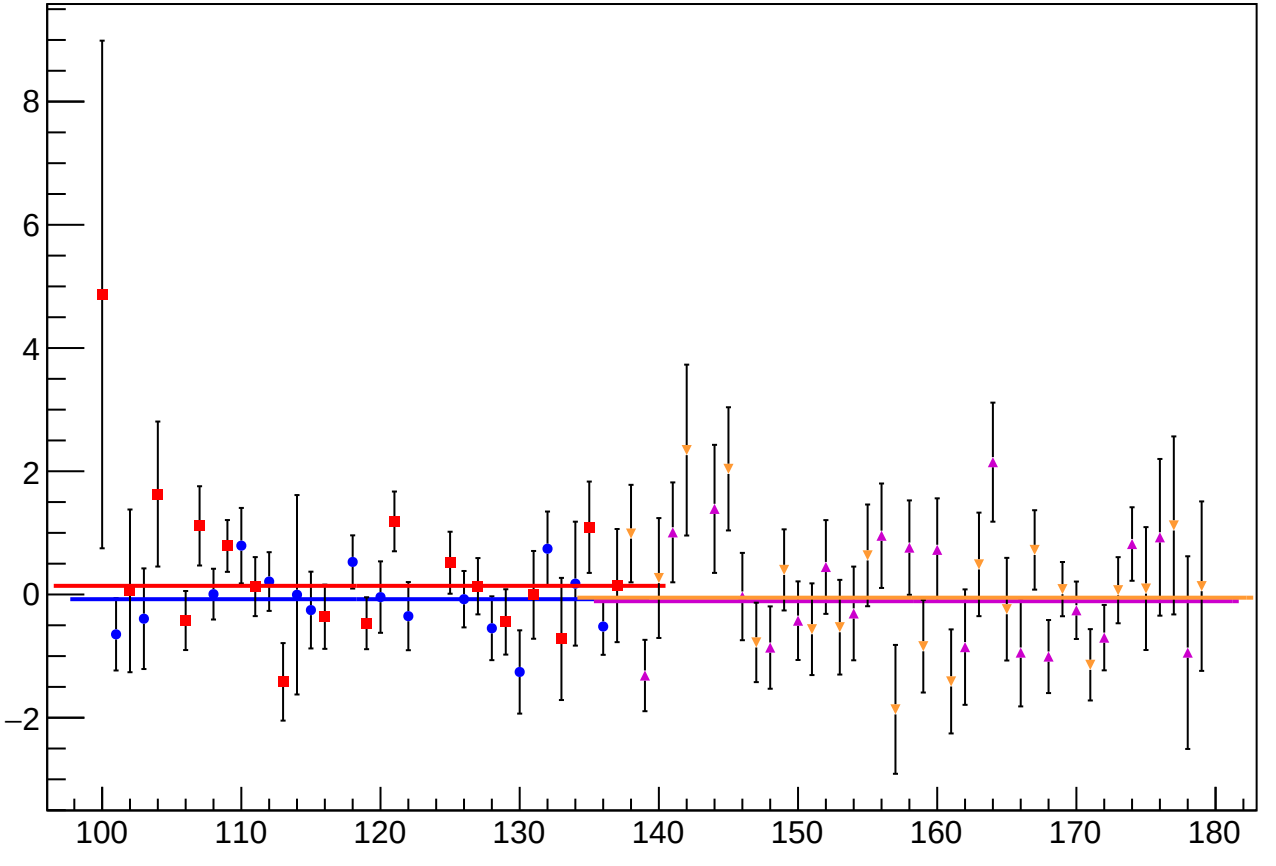
In: -0.000+/-0.000 χ^2/NDF:41.5/35

Out: 0.000+/-0.000 χ^2/NDF:35.0/38

All: 0.000+/-0.000 χ^2/NDF: 76.9/74


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:958673.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:1917170.2/19
Left: 0.000+/-0.000 χ²/NDF: 2929835.5/40
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:3794485.9/35
Out: 0.000+/-0.000 χ²/NDF:2770560.1/38
All: 0.000+/-0.000 χ²/NDF: 6631218.5/74

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.109+/-0.161 χ^2/NDF:28.3/19

Left: -0.081+/-0.115 χ^2/NDF: 53.9/40

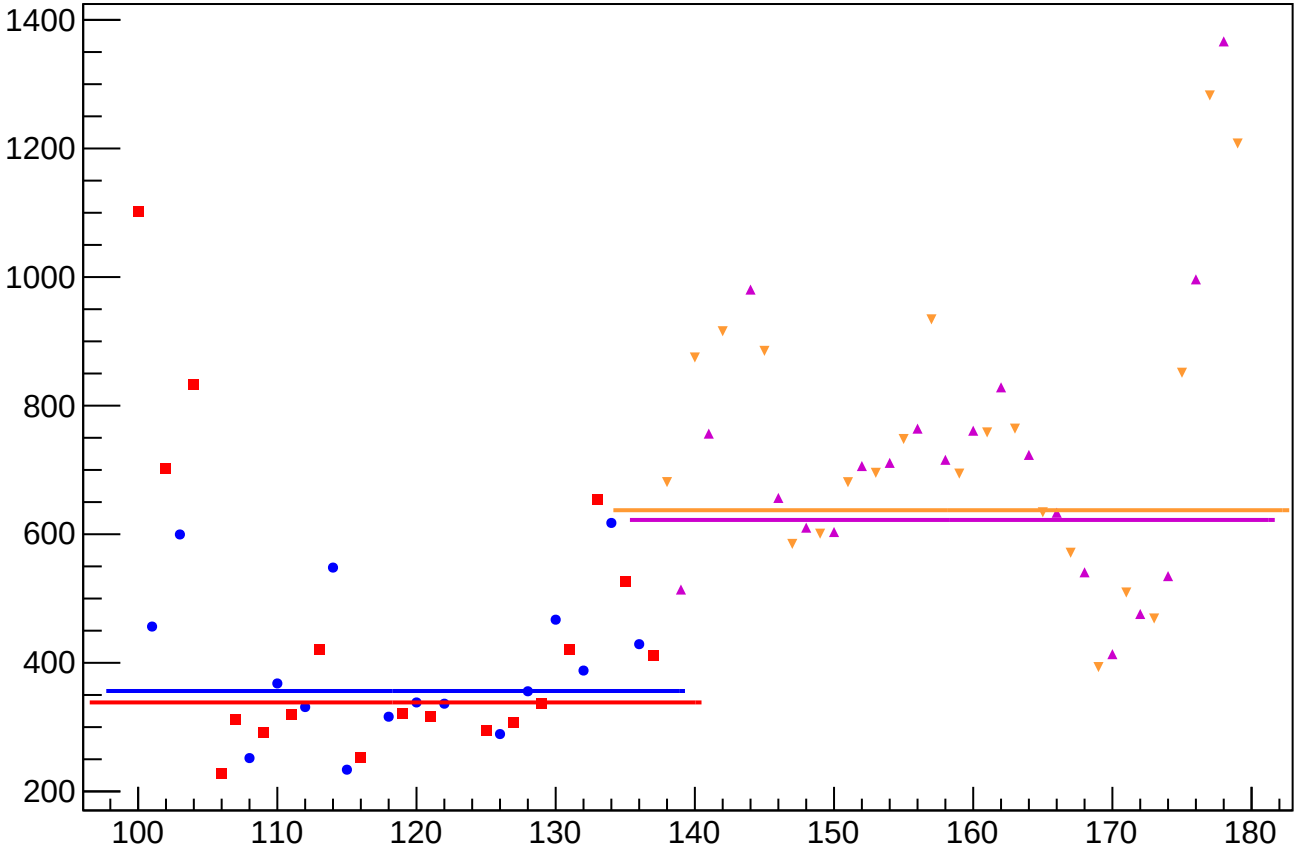
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.015+/-0.075 χ^2/NDF: 95.1/74

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 637.367+/-0.116 χ^2/NDF:2426910.8/20

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

Left: 629.637+/-0.081 χ^2/NDF: 4377023.3/40

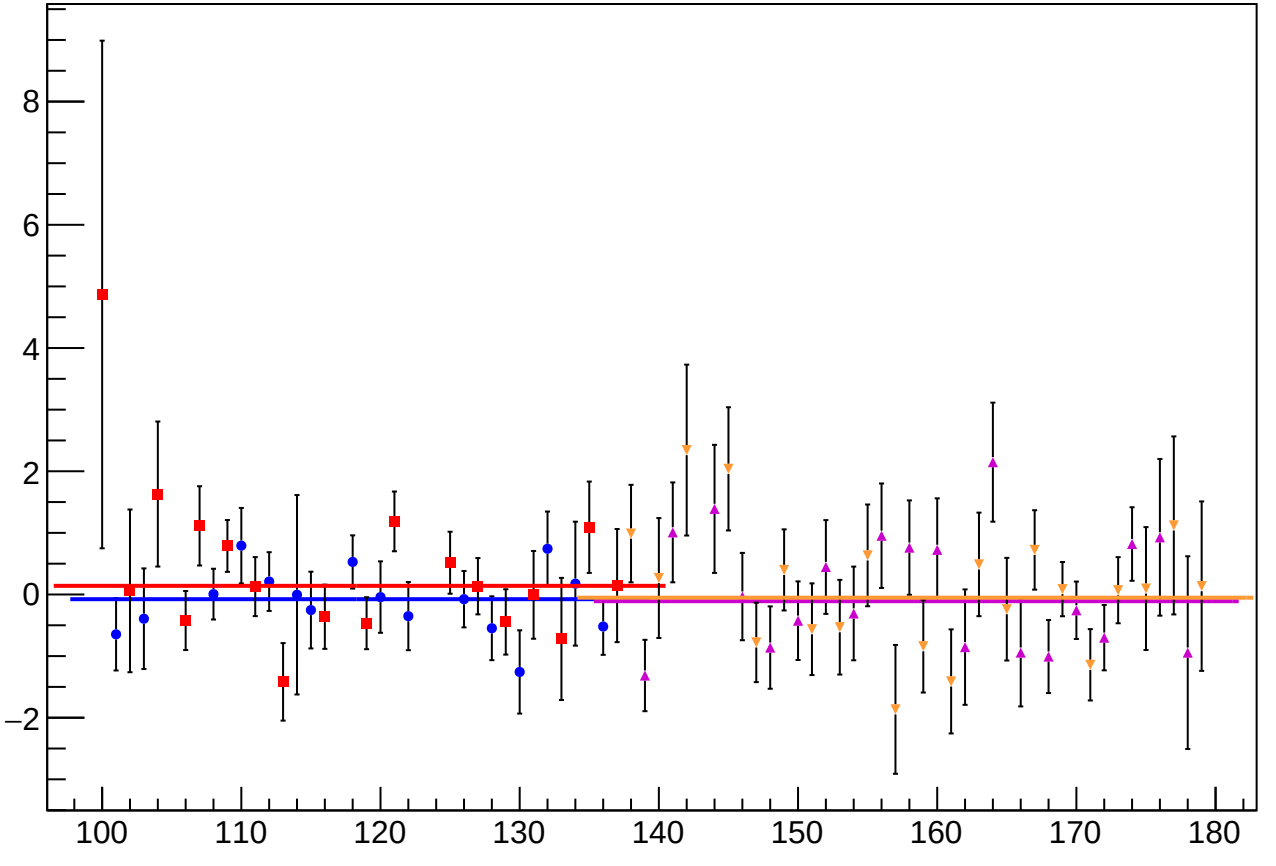
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 470.446+/-0.075 χ^2/NDF:5832740.2/35

Out: 461.647+/-0.075 χ^2/NDF:7501001.1/38

All: 466.051+/-0.053 χ^2/NDF: 13340667.3/74

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.109+/-0.161 χ^2/NDF:28.3/19

Left: -0.081+/-0.115 χ^2/NDF: 53.9/40

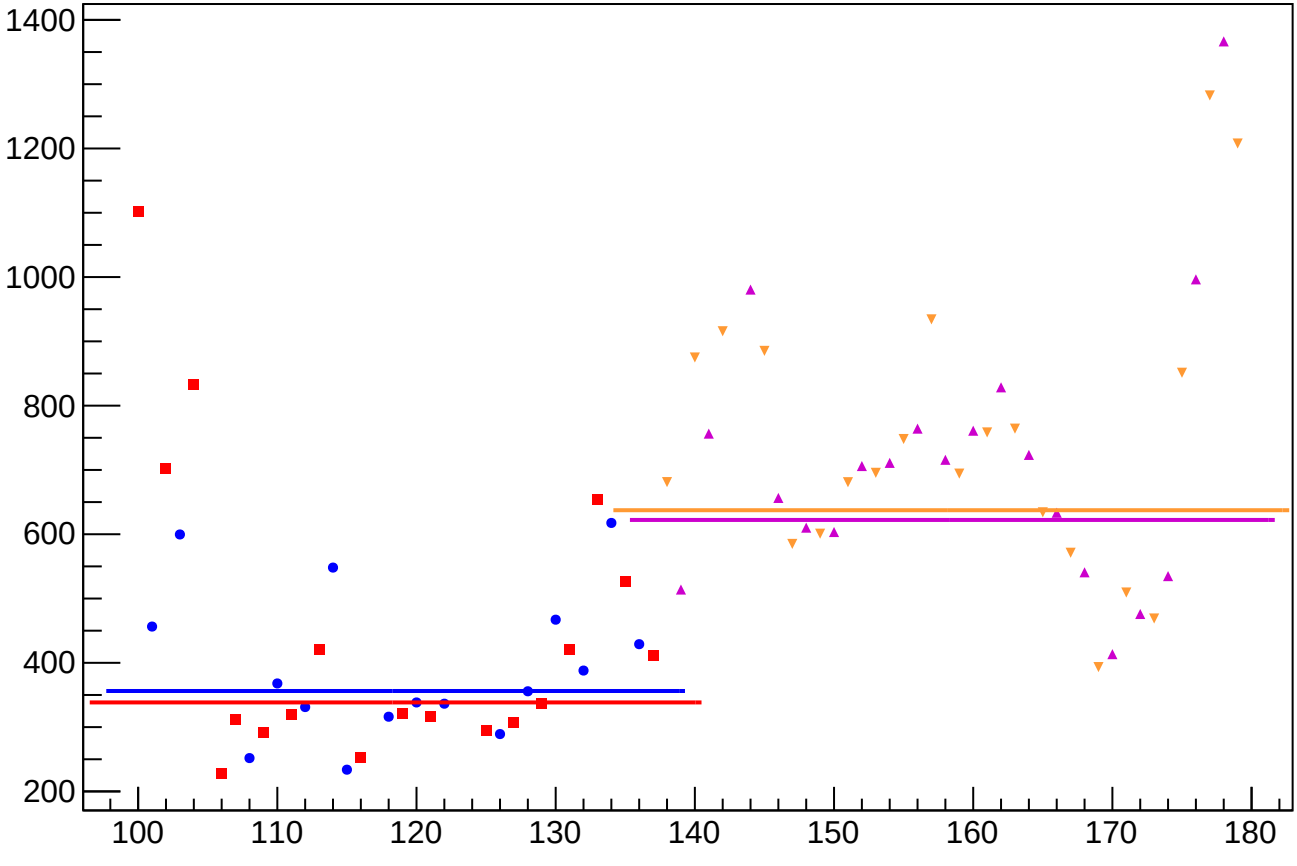
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.015+/-0.075 χ^2/NDF: 95.1/74

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 637.367+/-0.116 χ^2/NDF:2426910.8/20

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

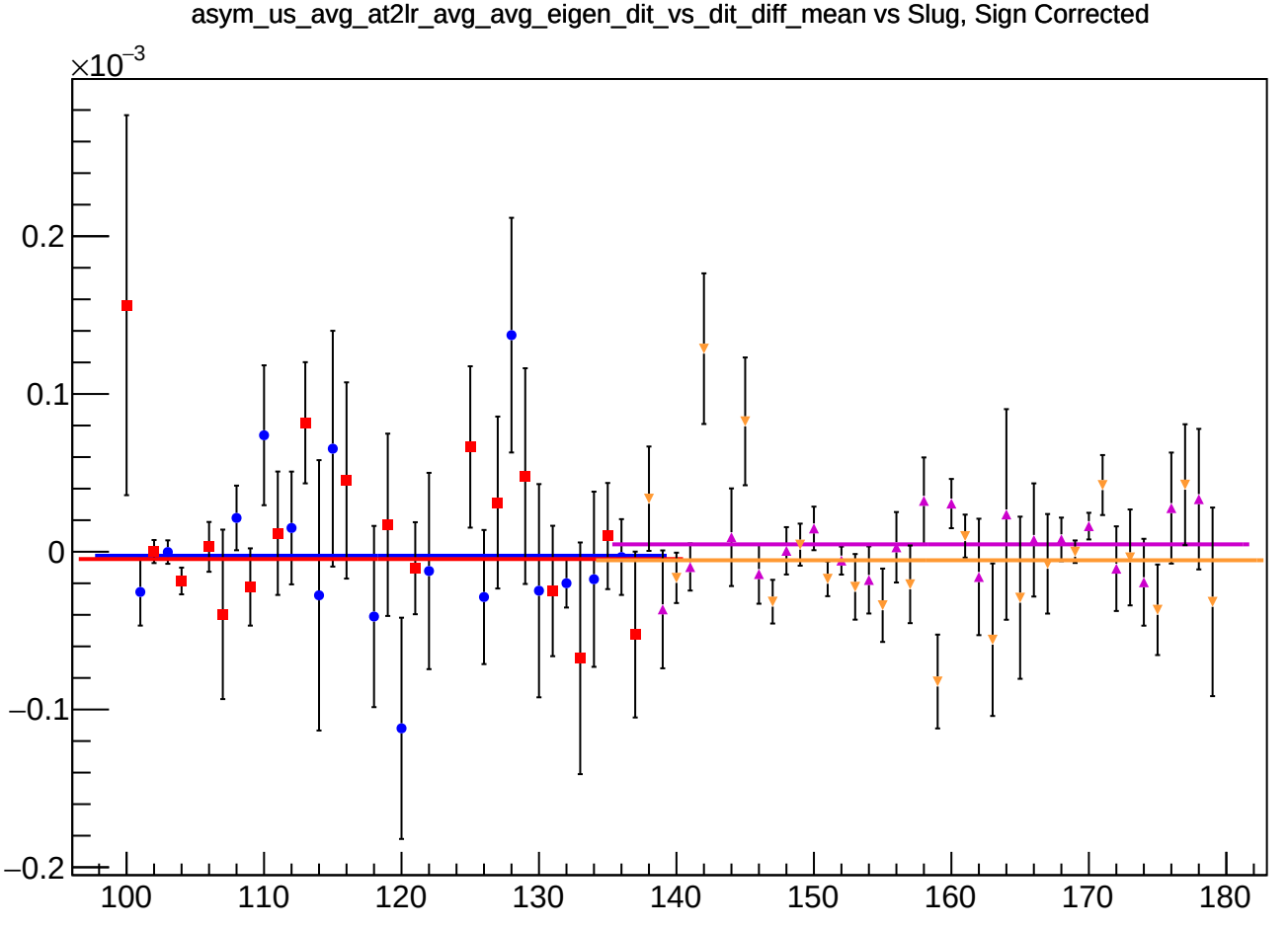
Left: 629.637+/-0.081 χ^2/NDF: 4377023.3/40

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 470.446+/-0.075 χ^2/NDF:5832740.2/35

Out: 461.647+/-0.075 χ^2/NDF:7501001.1/38

All: 466.051+/-0.053 χ^2/NDF: 13340667.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/19

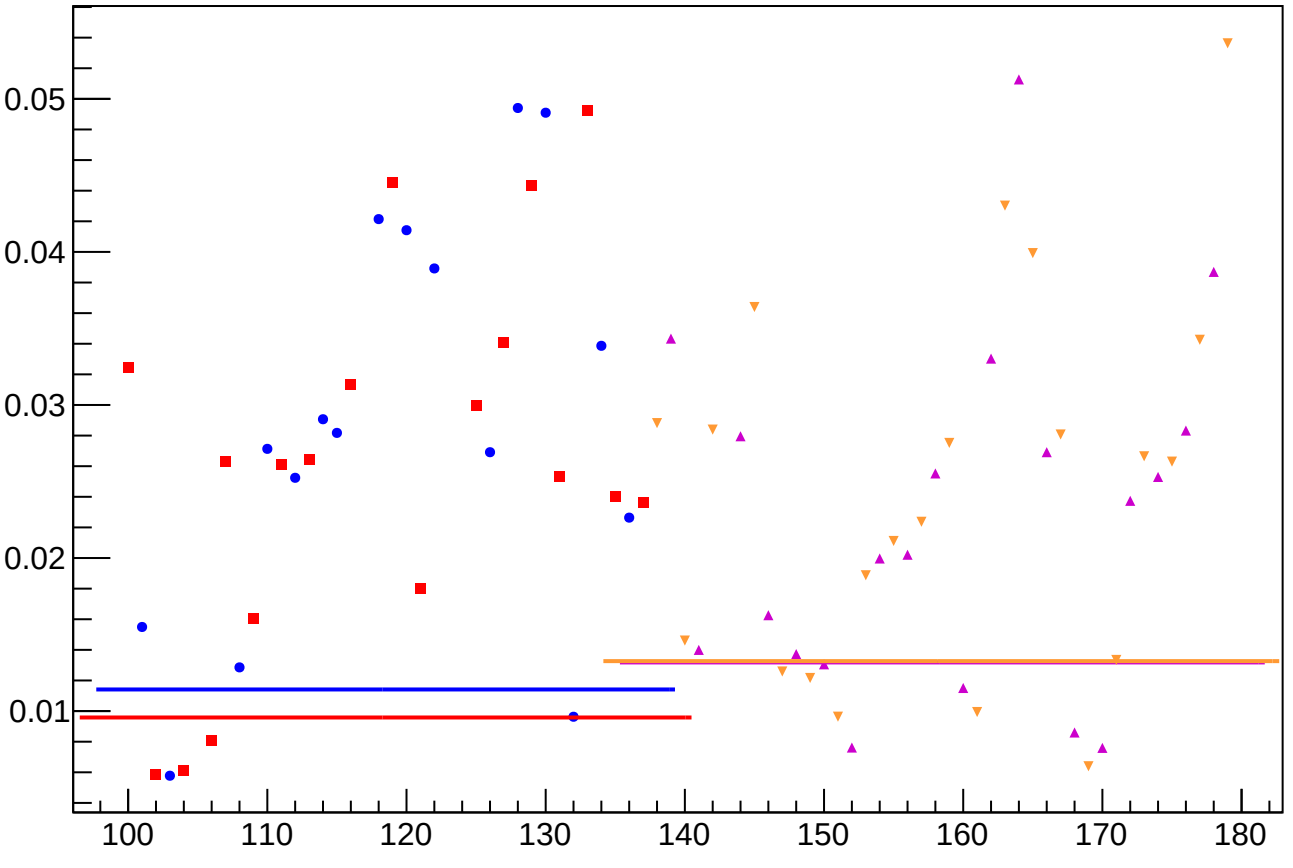
Left: -0.000+/-0.000 χ^2/NDF: 59.0/40

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:30.4/35

Out: -0.000+/-0.000 χ^2/NDF:58.5/38

All: -0.000+/-0.000 χ^2/NDF: 91.8/74



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:8676889.0/20

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:7114601.6/19

Left: 0.013+/-0.000 χ^2/NDF: 15791967.4/40

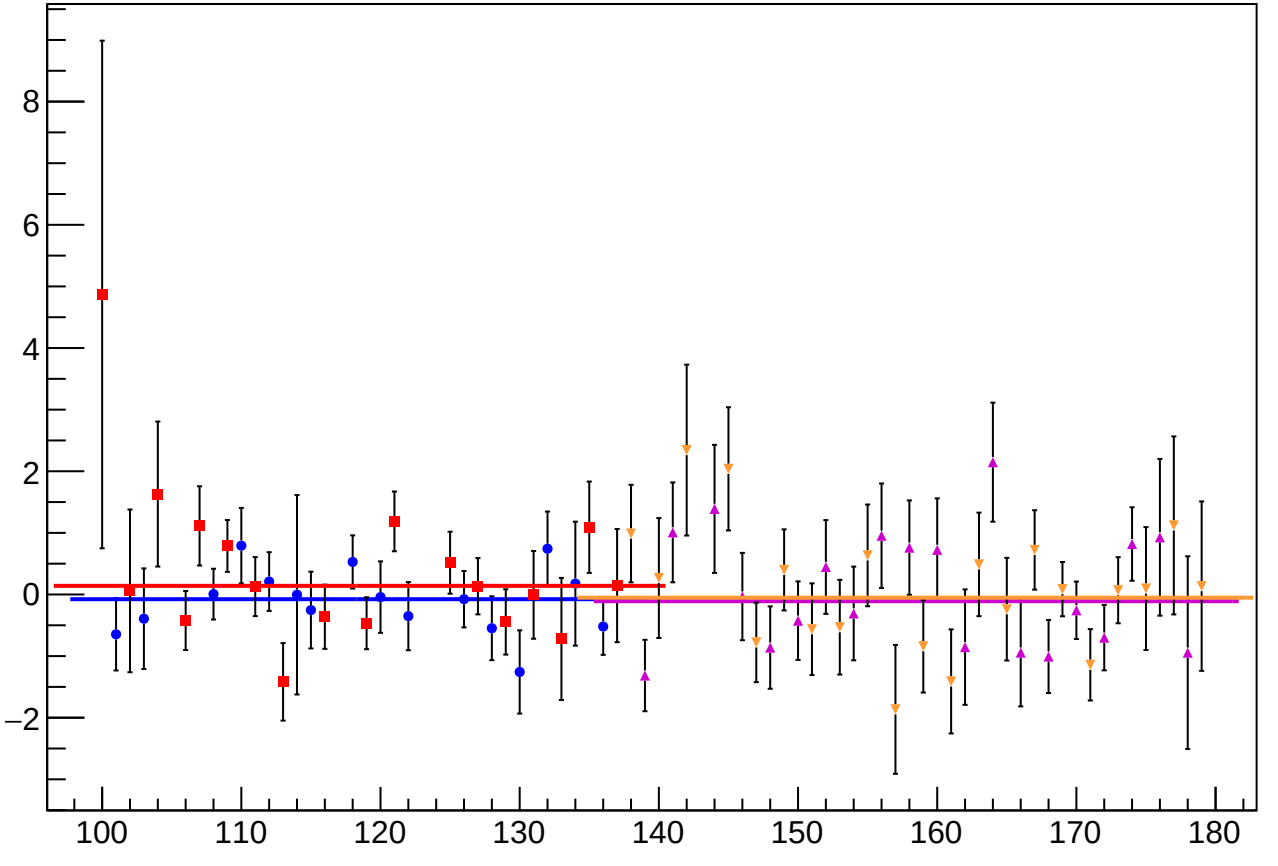
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:12750682.7/35

Out: 0.012+/-0.000 χ^2/NDF:15183228.0/38

All: 0.012+/-0.000 χ^2/NDF: 28007188.0/74

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.109+/-0.161 χ^2/NDF:28.3/19

Left: -0.081+/-0.115 χ^2/NDF: 53.9/40

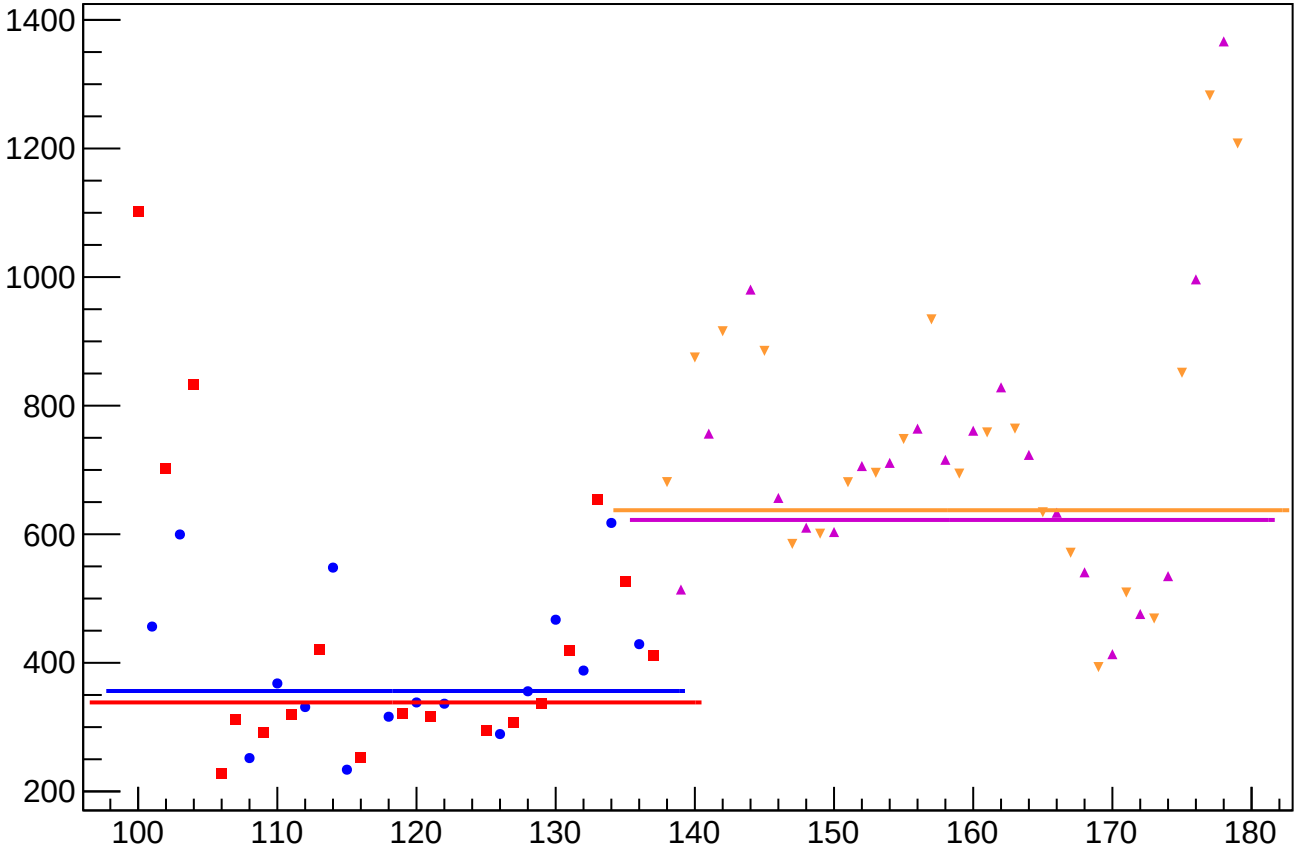
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.015+/-0.075 χ^2/NDF: 95.1/74

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

Left: 629.638+/-0.081 χ^2/NDF: 4377364.1/40

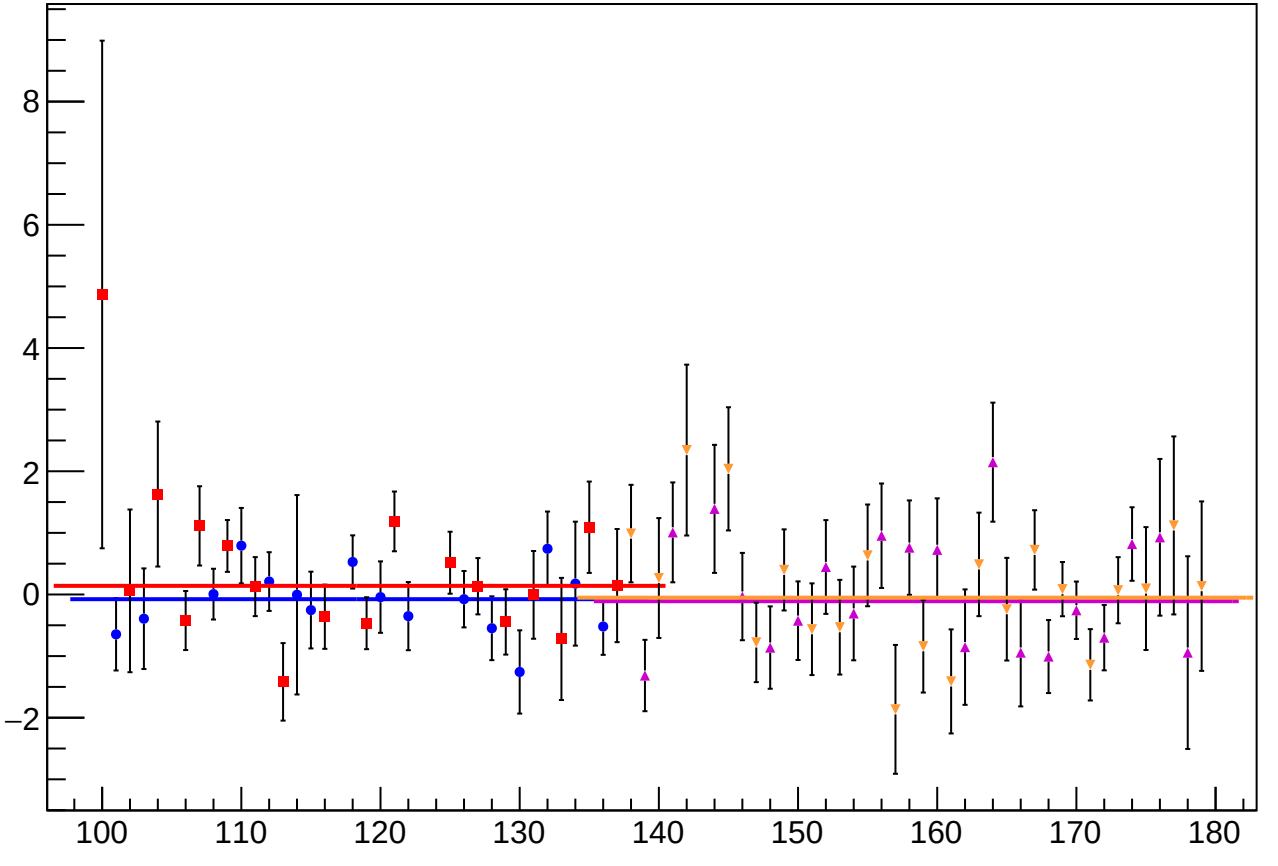
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 470.445+/-0.075 χ^2/NDF:5832926.9/35

Out: 461.645+/-0.075 χ^2/NDF:7501250.4/38

All: 466.049+/-0.053 χ^2/NDF: 13341105.8/74

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.052+/-0.165 χ^2/NDF:25.5/20

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.109+/-0.161 χ^2/NDF:28.3/19

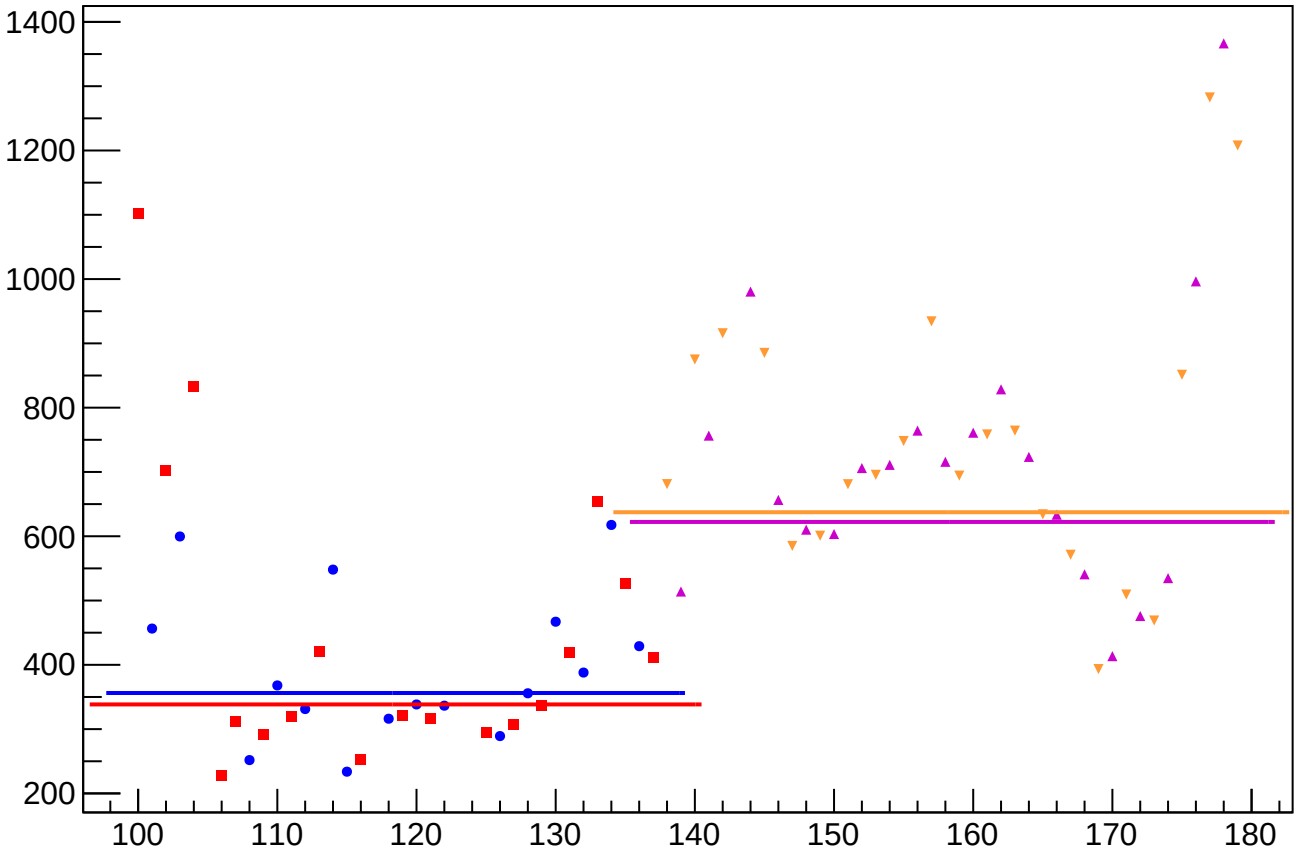
Left: -0.081+/-0.115 χ^2/NDF: 53.9/40

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/38

All: -0.015+/-0.075 χ^2/NDF: 95.1/74



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 637.367+/-0.116 χ^2/NDF:2427119.1/20

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

Left: 629.638+/-0.081 χ^2/NDF: 4377364.1/40

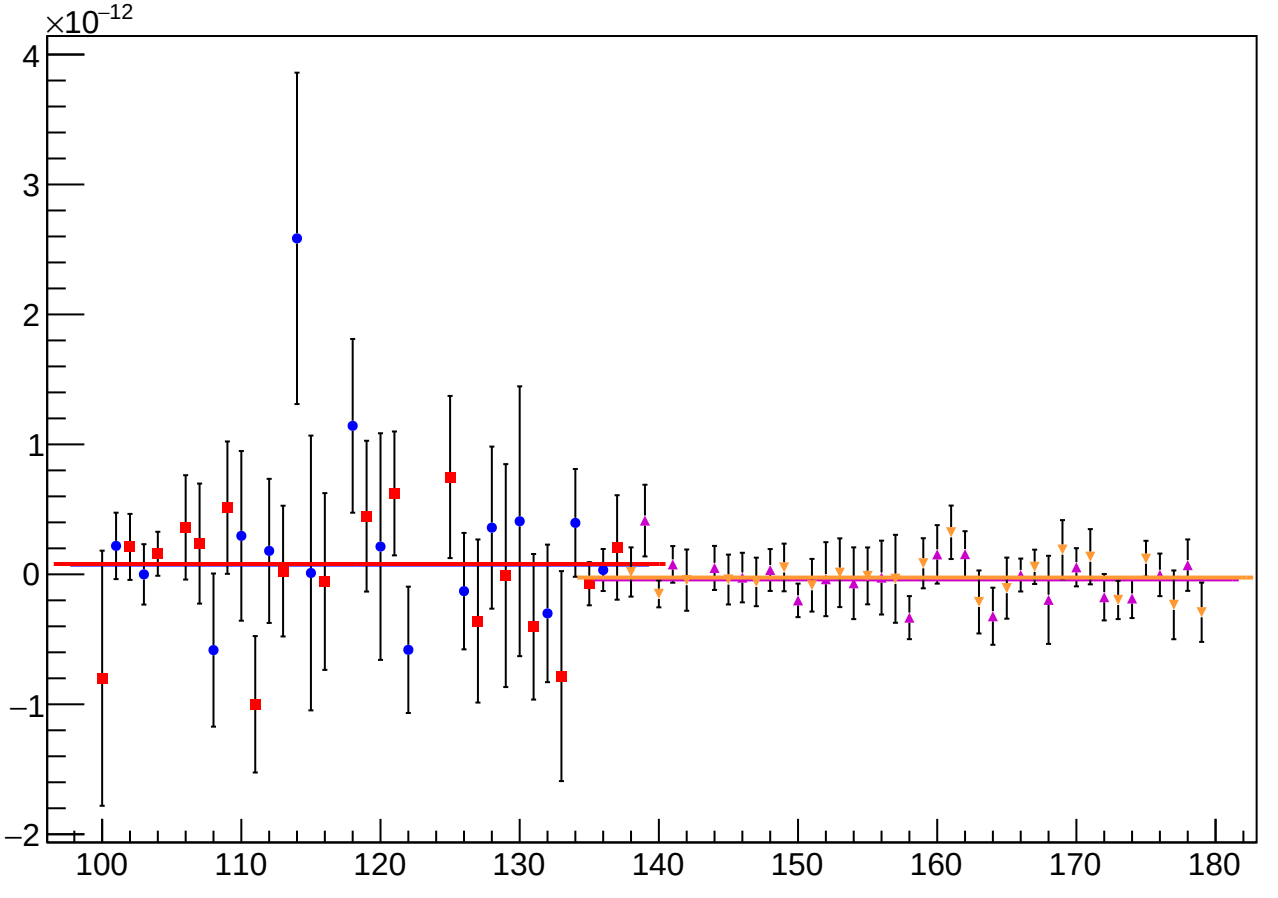
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 470.445+/-0.075 χ^2/NDF:5832926.9/35

Out: 461.645+/-0.075 χ^2/NDF:7501250.4/38

All: 466.049+/-0.053 χ^2/NDF: 13341105.8/74

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.8/19

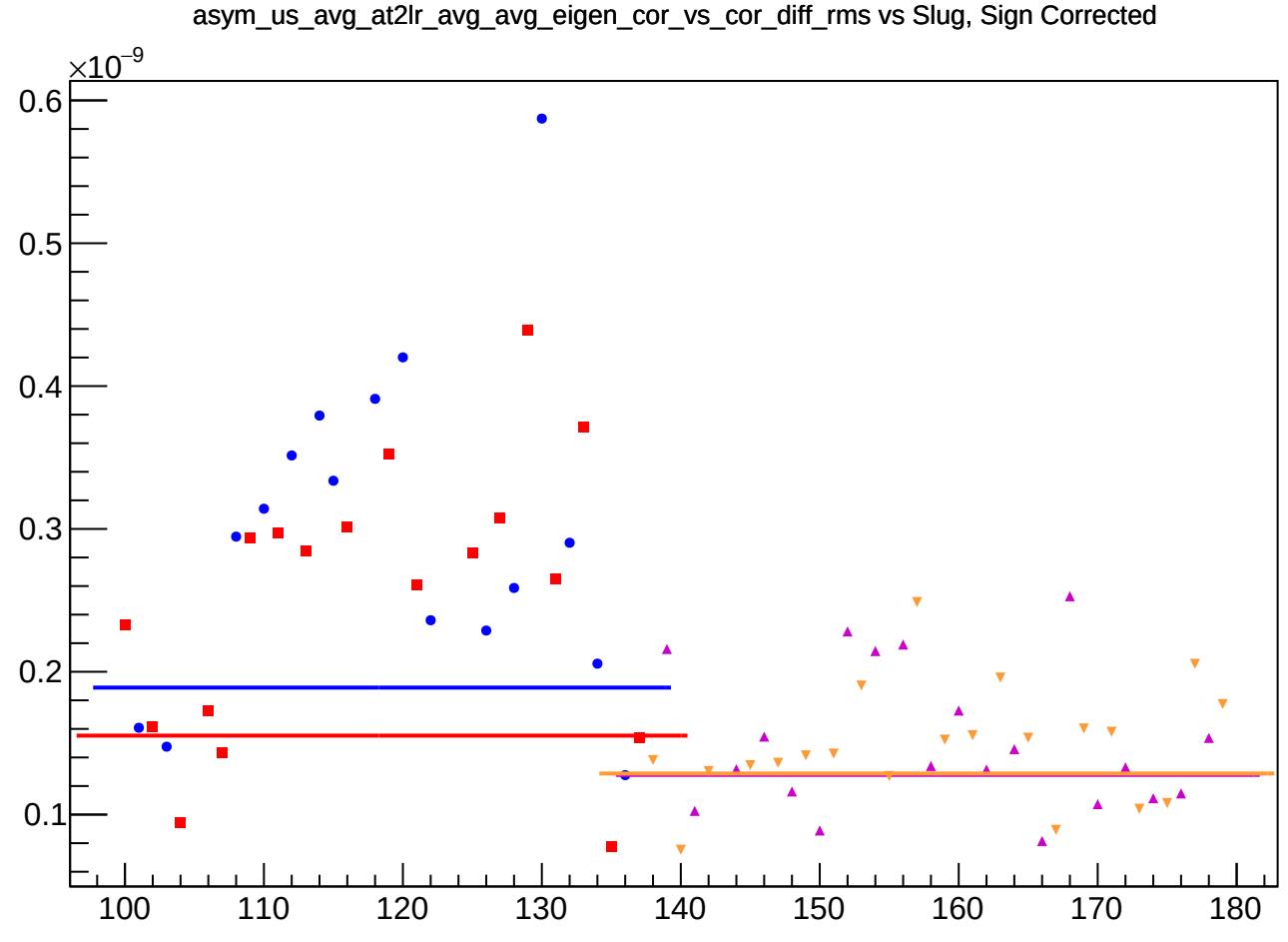
Left: -0.000+/-0.000 χ^2/NDF: 26.9/40

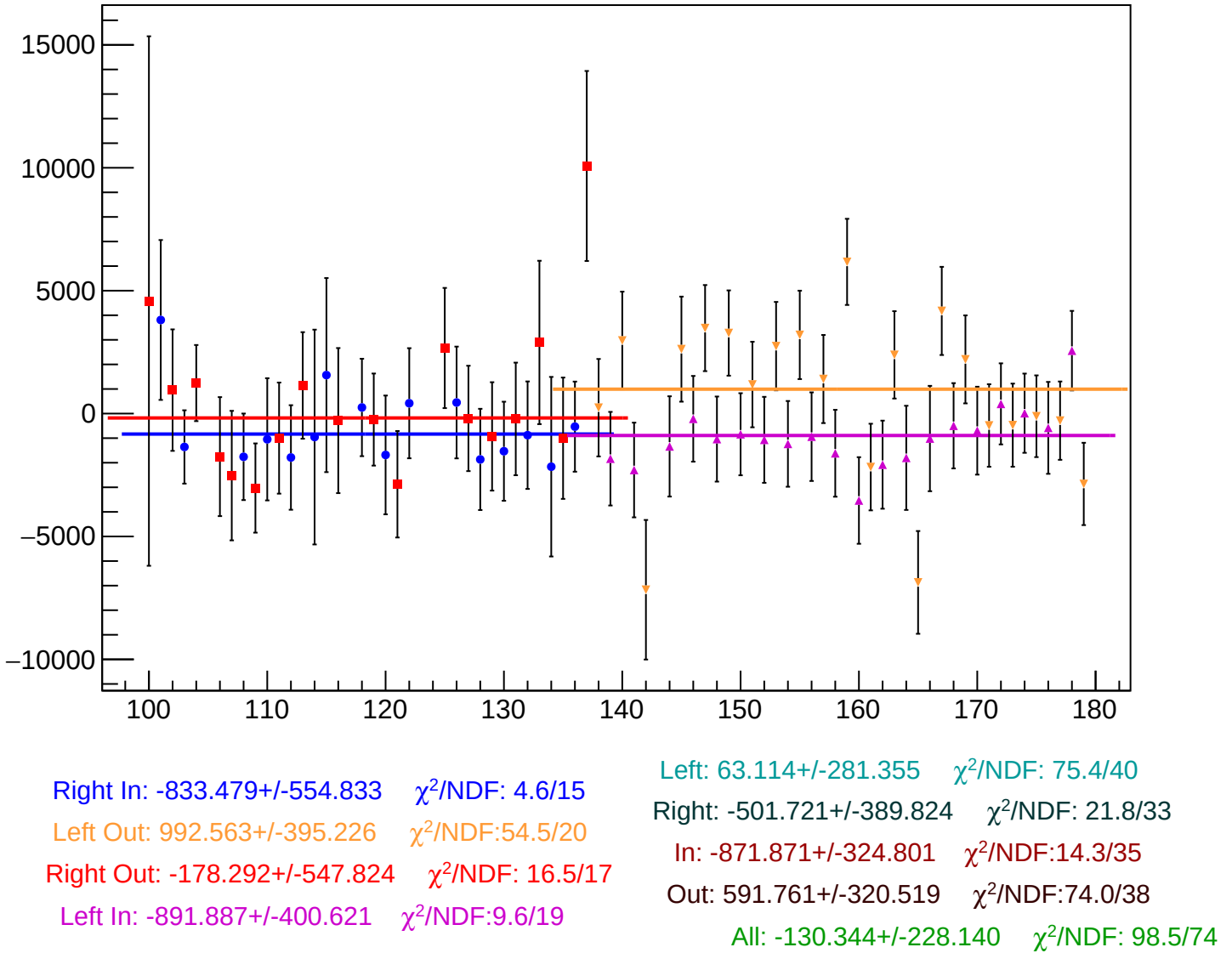
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

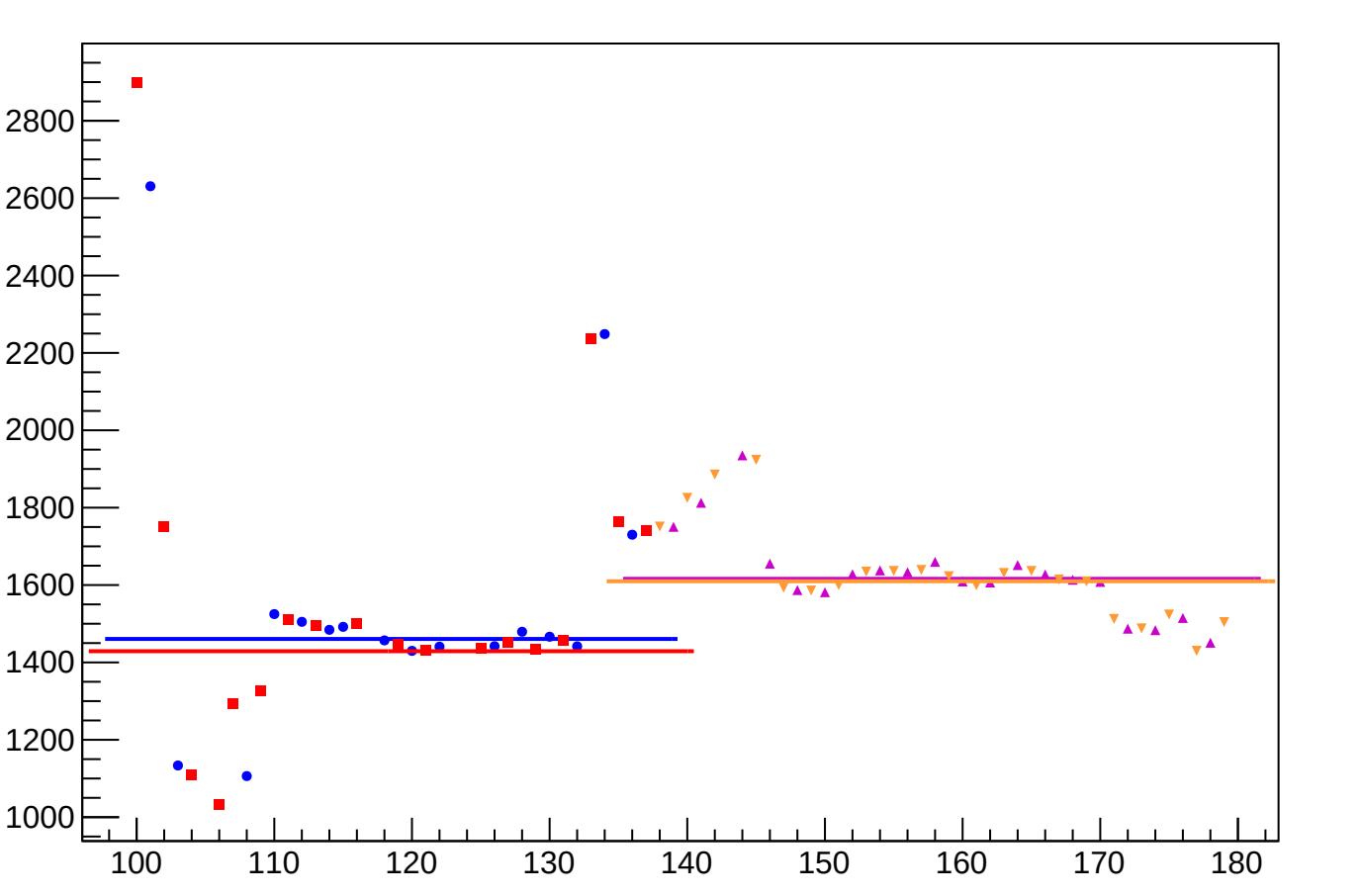
In: -0.000+/-0.000 χ^2/NDF:27.7/35

Out: -0.000+/-0.000 χ^2/NDF:26.4/38

All: -0.000+/-0.000 χ^2/NDF: 54.2/74


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1773136.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1901191.0/19
Left: 0.000+/-0.000 χ²/NDF: 3674927.6/40
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:4108689.8/35
Out: 0.000+/-0.000 χ²/NDF:4131059.8/38
All: 0.000+/-0.000 χ²/NDF: 8246909.7/74


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 992.563+/-395.226 χ²/NDF:54.5/20
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -891.887+/-400.621 χ²/NDF:9.6/19
Left: 63.114+/-281.355 χ²/NDF: 75.4/40
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -871.871+/-324.801 χ²/NDF:14.3/35
Out: 591.761+/-320.519 χ²/NDF:74.0/38
All: -130.344+/-228.140 χ²/NDF: 98.5/74



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

Left: 1612.857+/-0.199 χ^2/NDF: 291838.2/40

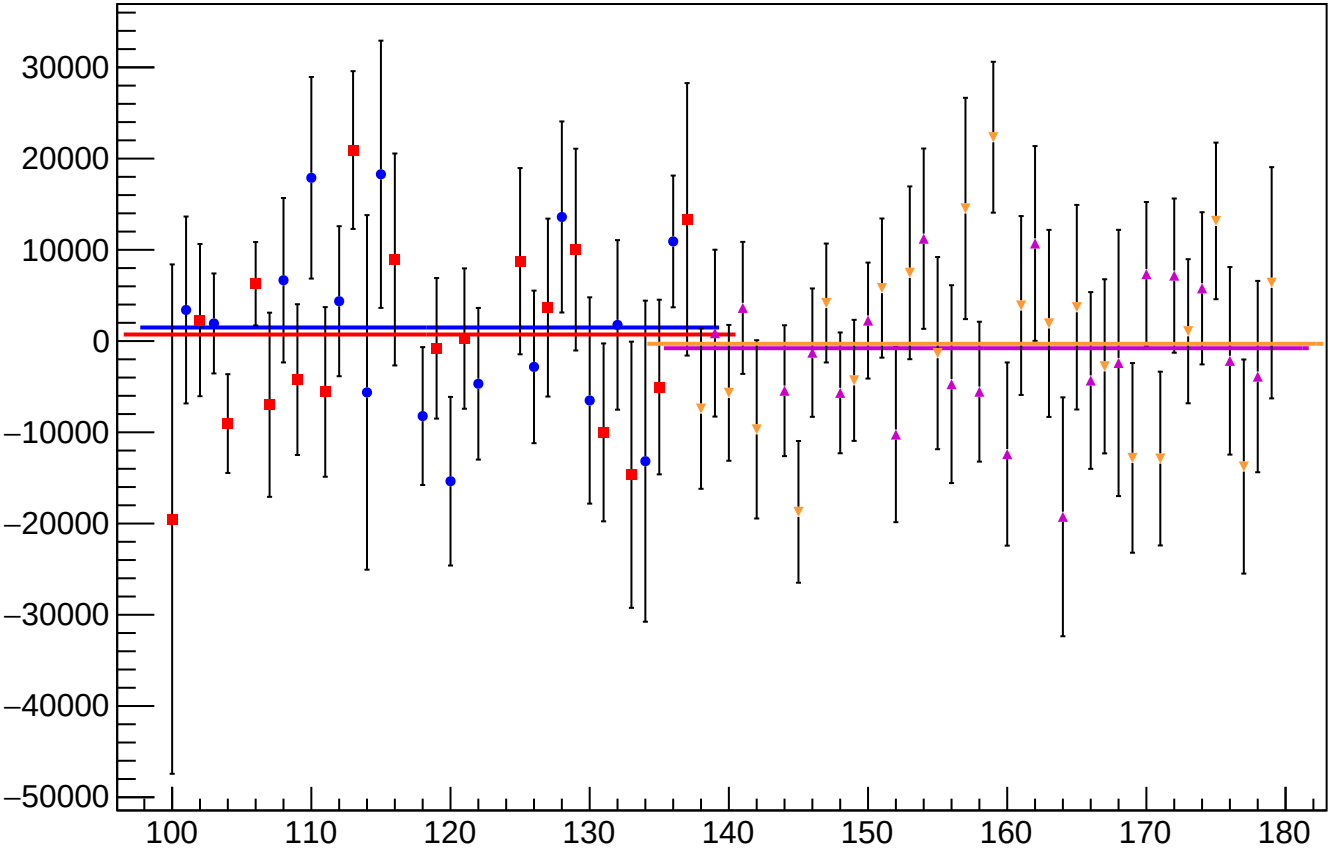
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1562.783+/-0.230 χ^2/NDF:815999.3/35

Out: 1547.264+/-0.226 χ^2/NDF:710417.4/38

All: 1554.901+/-0.161 χ^2/NDF: 1528735.7/74

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -296.588+/-1941.399 χ^2/NDF:26.6/20

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -783.264+/-1932.743 χ^2/NDF:11.9/19

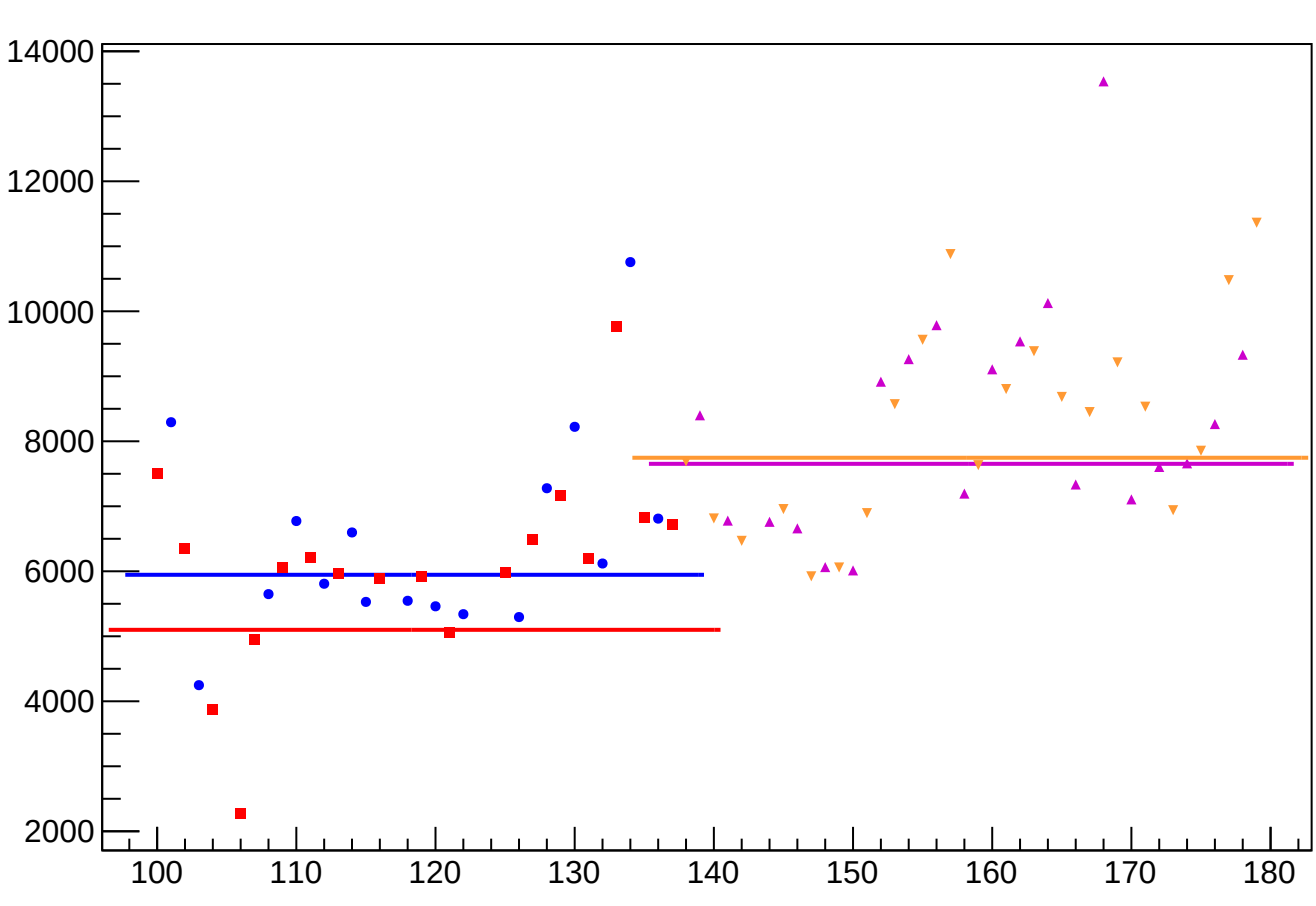
Left: -541.014+/-1369.706 χ^2/NDF: 38.5/40

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 171.997+/-1471.057 χ^2/NDF:26.6/35

Out: 193.749+/-1396.921 χ^2/NDF:44.2/38

All: 183.435+/-1012.968 χ^2/NDF: 70.9/74



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7746.731+/-1.373 χ^2/NDF:1051144.0/20

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7653.144+/-1.367 χ^2/NDF:1104816.8/19

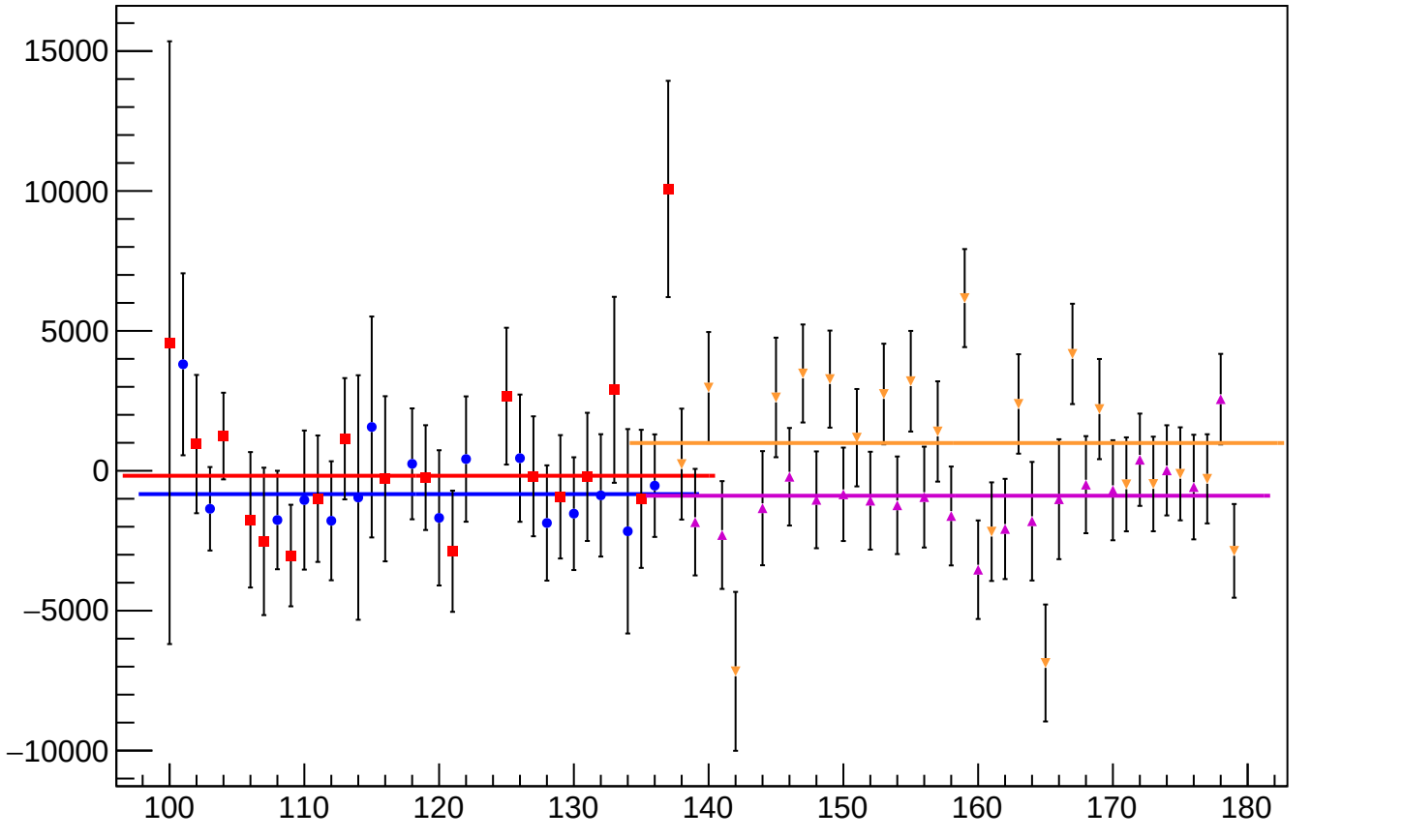
Left: 7699.728+/-0.969 χ^2/NDF: 2158295.0/40

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6934.999+/-1.040 χ^2/NDF:2402311.0/35

Out: 6470.025+/-0.988 χ^2/NDF:4325020.5/38

All: 6690.501+/-0.716 χ^2/NDF: 6832401.0/74



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 992.655+/-395.226 χ^2/NDF:54.5/20

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -891.782+/-400.621 χ^2/NDF:9.6/19

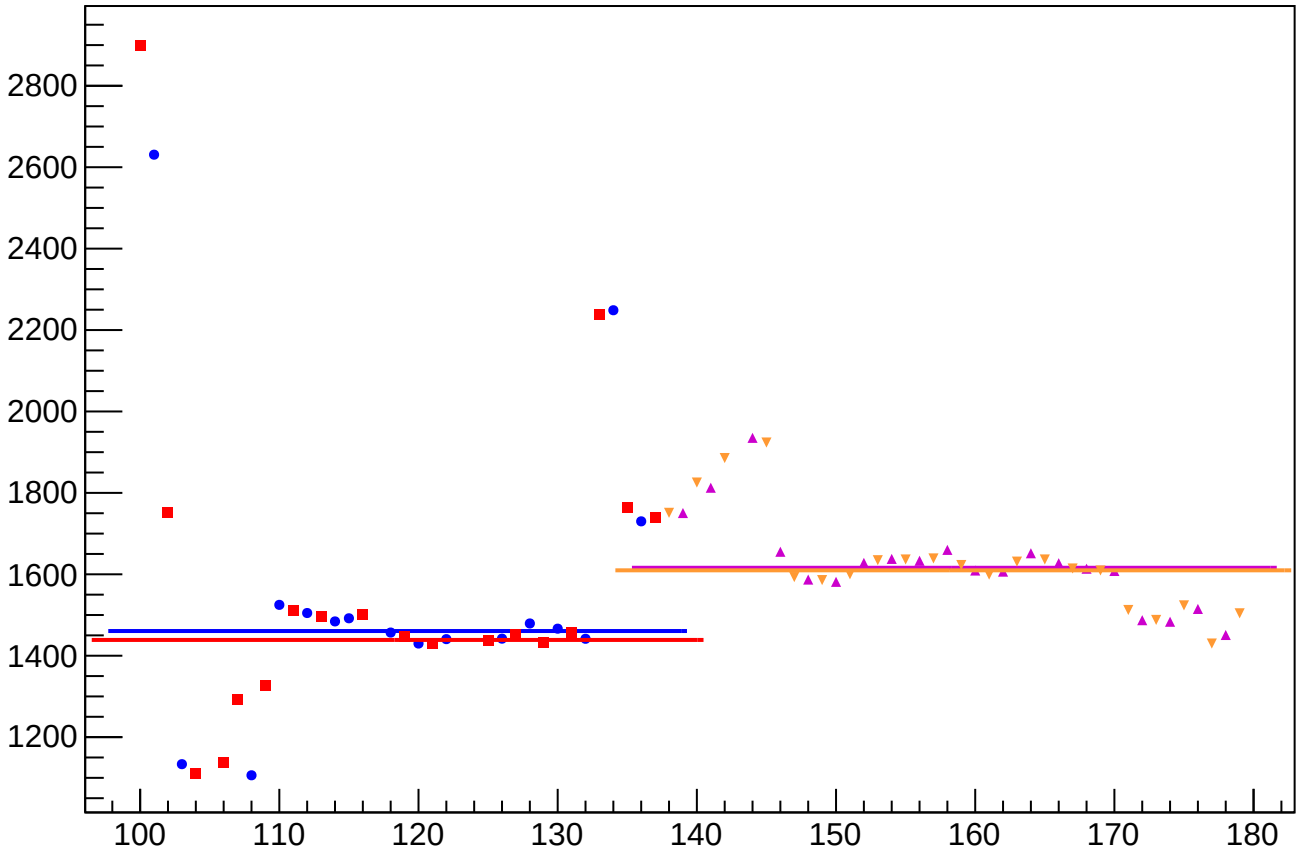
Left: 63.212+/-281.355 χ^2/NDF: 75.4/40

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -871.823+/-324.801 χ^2/NDF:14.3/35

Out: 591.877+/-320.519 χ^2/NDF:74.0/38

All: -130.262+/-228.140 χ^2/NDF: 98.5/74



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

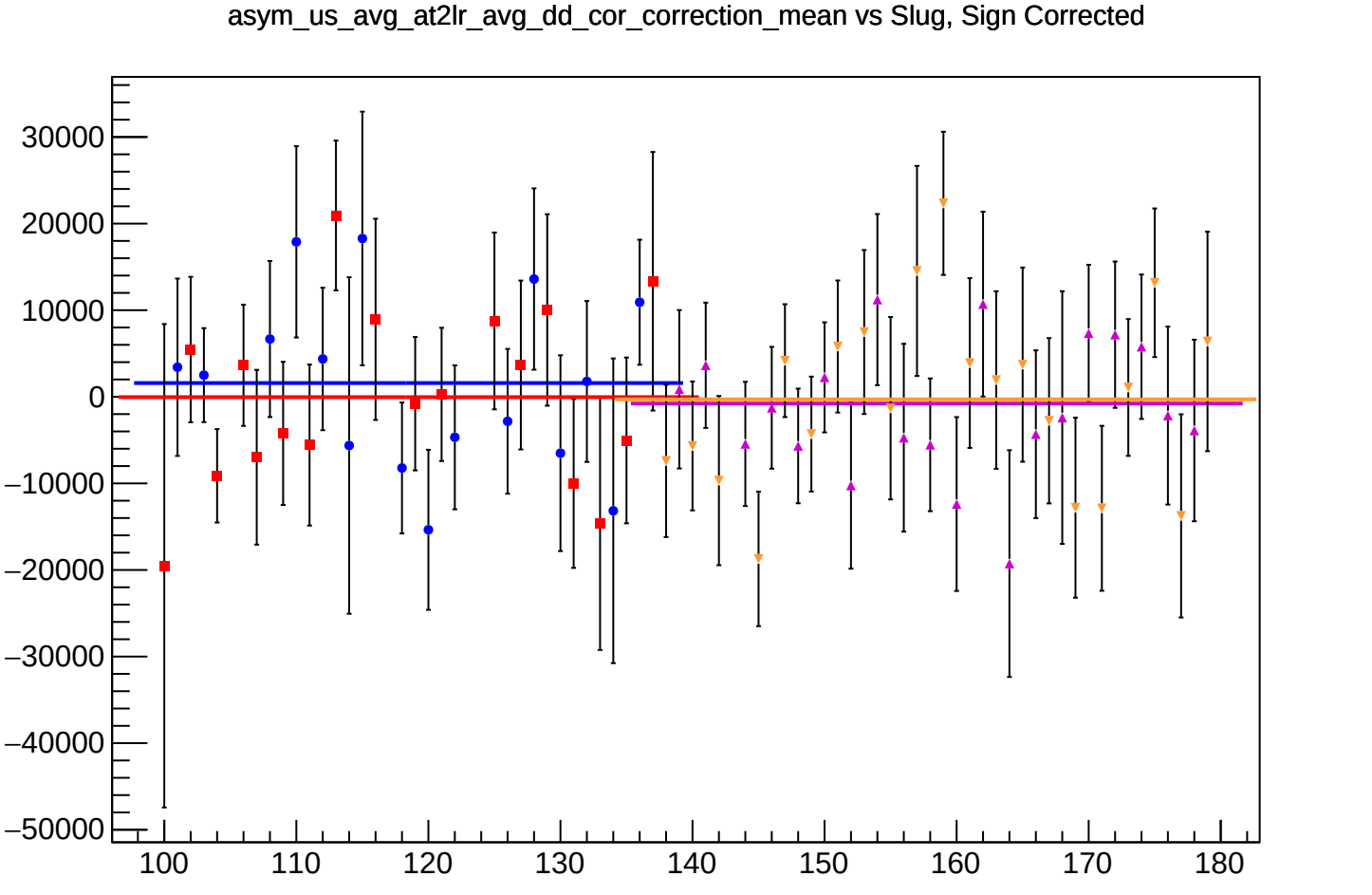
Left: 1612.857+/-0.199 χ^2/NDF: 291838.1/40

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1562.783+/-0.230 χ^2/NDF:815999.8/35

Out: 1551.055+/-0.226 χ^2/NDF:656354.6/38

All: 1556.837+/-0.161 χ^2/NDF: 1473676.5/74



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -296.571+/-1941.399 χ^2/NDF:26.6/20

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -783.297+/-1932.741 χ^2/NDF:11.9/19

Left: -541.021+/-1369.705 χ^2/NDF: 38.5/40

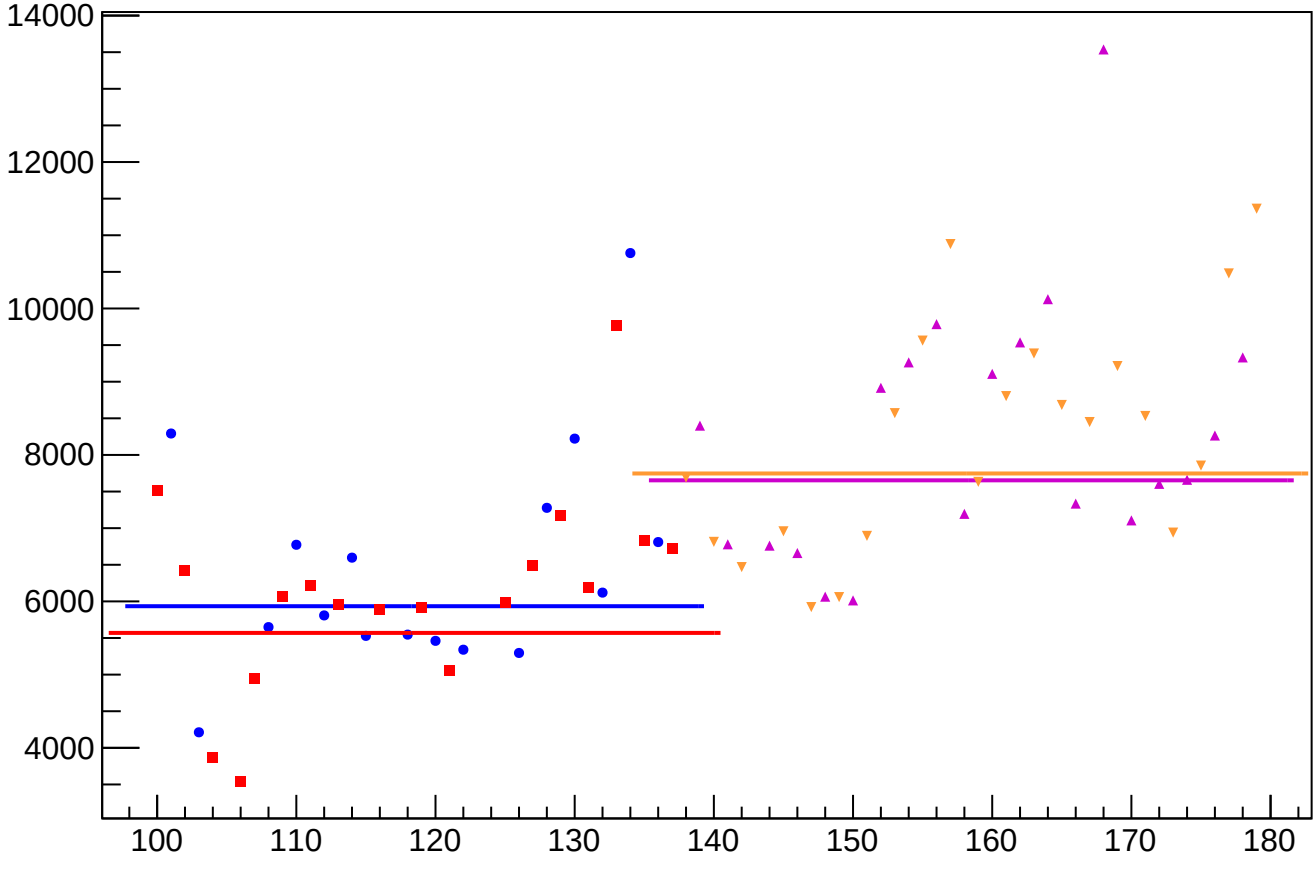
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 216.482+/-1470.027 χ^2/NDF:26.7/35

Out: -180.618+/-1435.757 χ^2/NDF:43.0/38

All: 13.249+/-1027.135 χ^2/NDF: 69.8/74

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

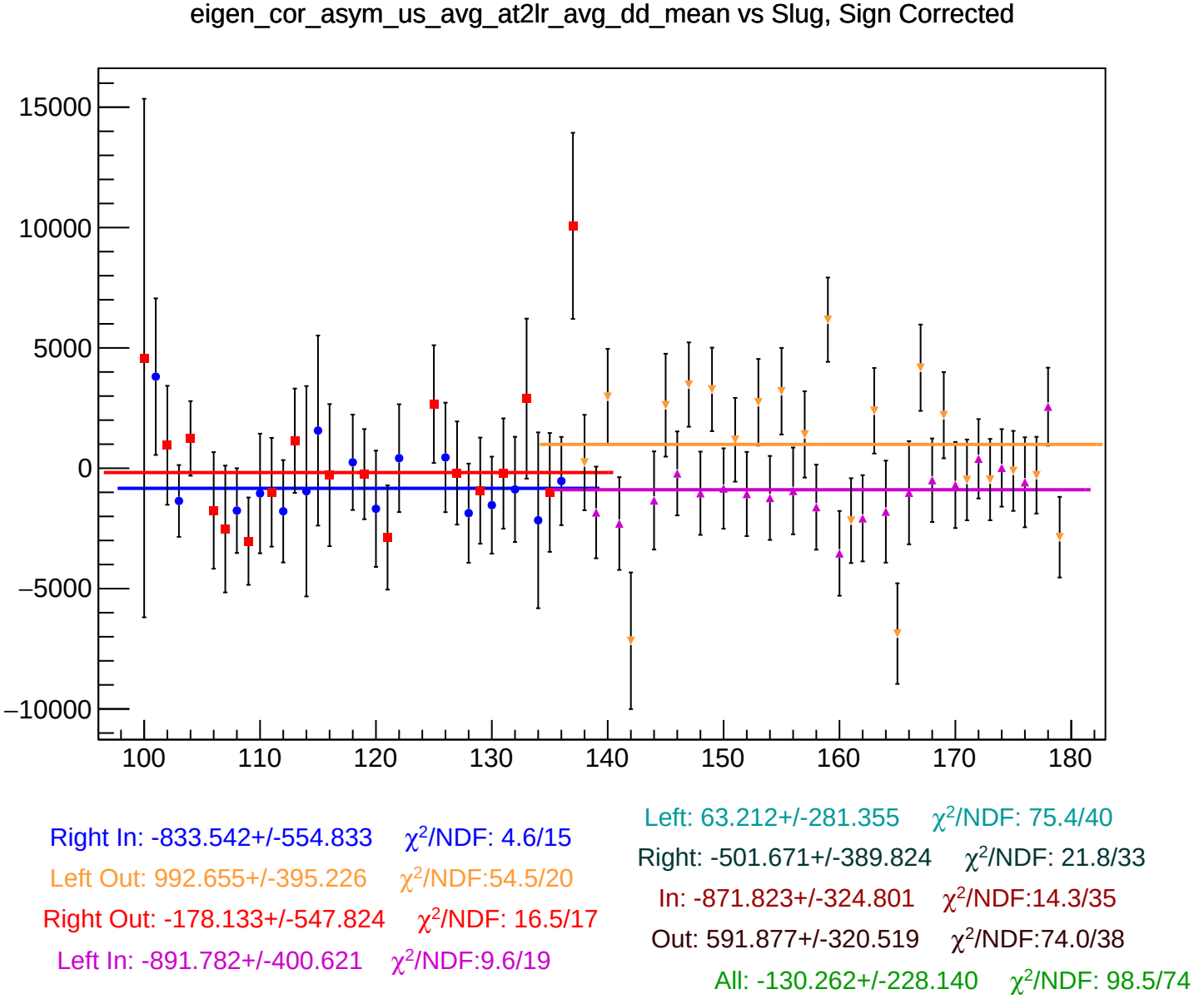
Left: 7699.724+/-0.969 χ^2/NDF: 2158300.6/40

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6928.609+/-1.039 χ^2/NDF:2424704.6/35

Out: 6760.342+/-1.015 χ^2/NDF:2914737.9/38

All: 6842.491+/-0.726 χ^2/NDF: 5352853.8/74


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
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−5000
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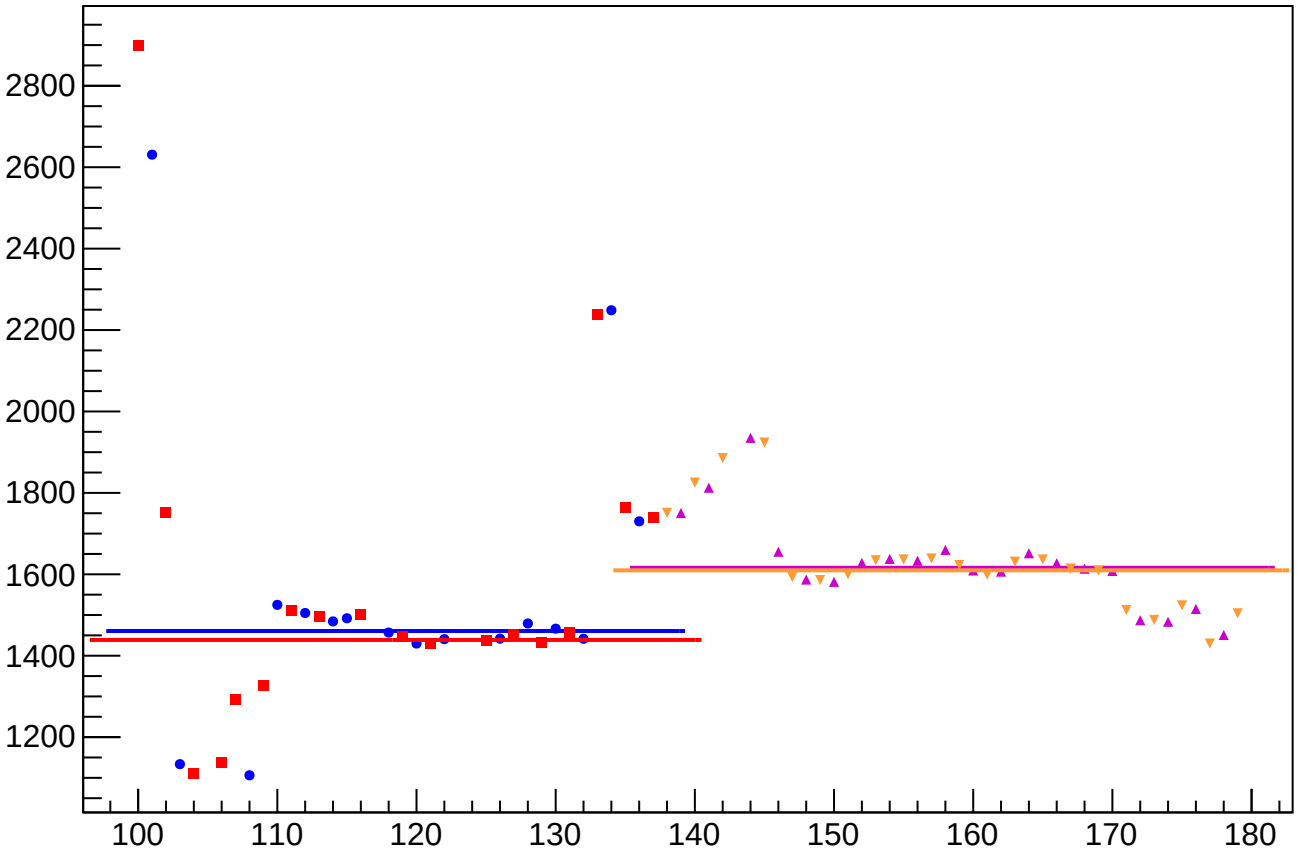
100
110
120
130
140
150
160
170
180
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 992.655+/-395.226 χ²/NDF:54.5/20
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -891.782+/-400.621 χ²/NDF:9.6/19
Left: 63.212+/-281.355 χ²/NDF: 75.4/40
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -871.823+/-324.801 χ²/NDF:14.3/35
Out: 591.877+/-320.519 χ²/NDF:74.0/38
All: -130.262+/-228.140 χ²/NDF: 98.5/74



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1609.769+/-0.279 χ^2/NDF:154423.4/20

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1616.030+/-0.283 χ^2/NDF:137167.2/19

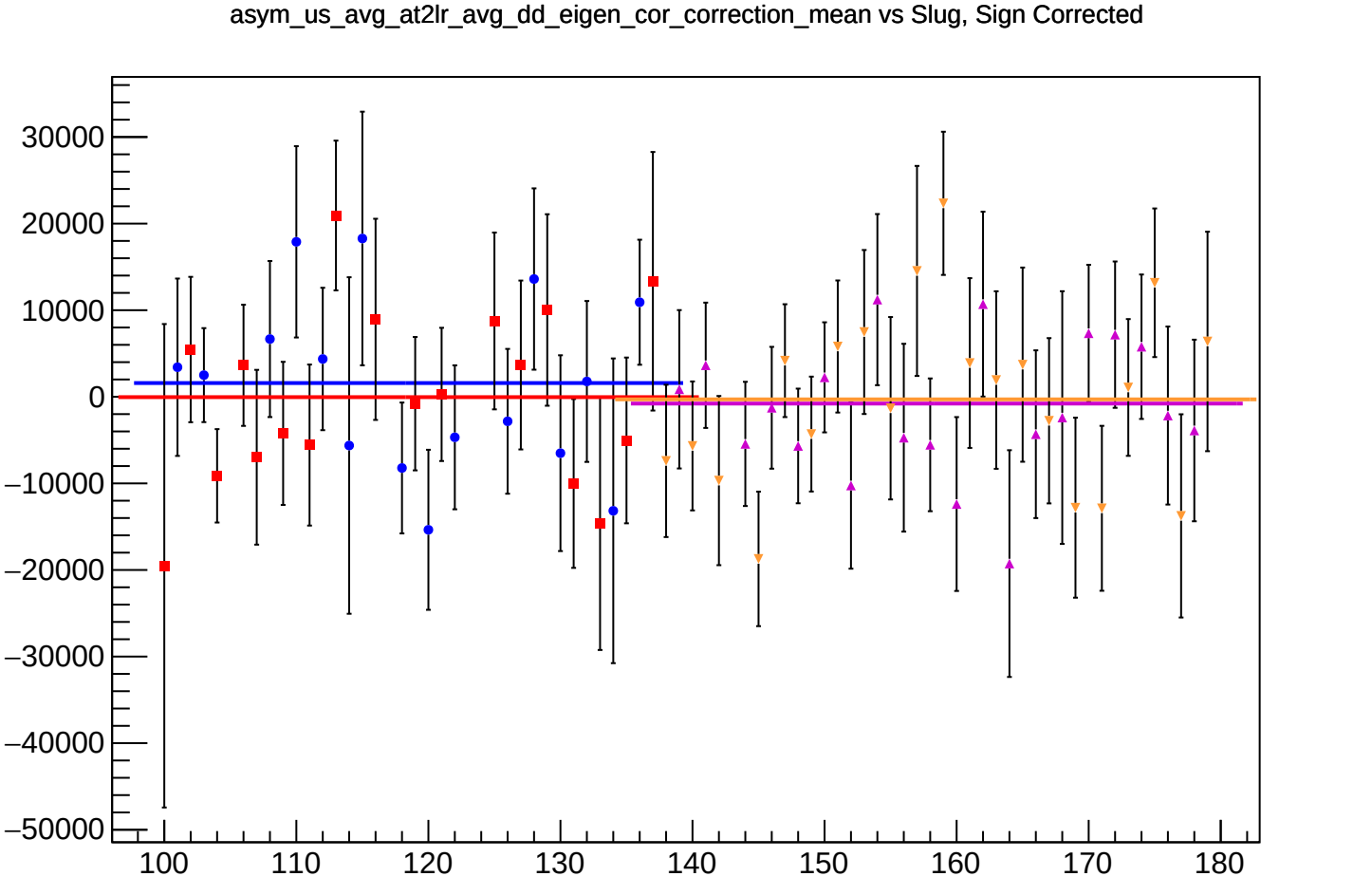
Left: 1612.857+/-0.199 χ^2/NDF: 291838.1/40

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1562.783+/-0.230 χ^2/NDF:815999.8/35

Out: 1551.055+/-0.226 χ^2/NDF:656354.6/38

All: 1556.837+/-0.161 χ^2/NDF: 1473676.5/74



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -296.571+/-1941.399 χ^2/NDF:26.6/20

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -783.297+/-1932.741 χ^2/NDF:11.9/19

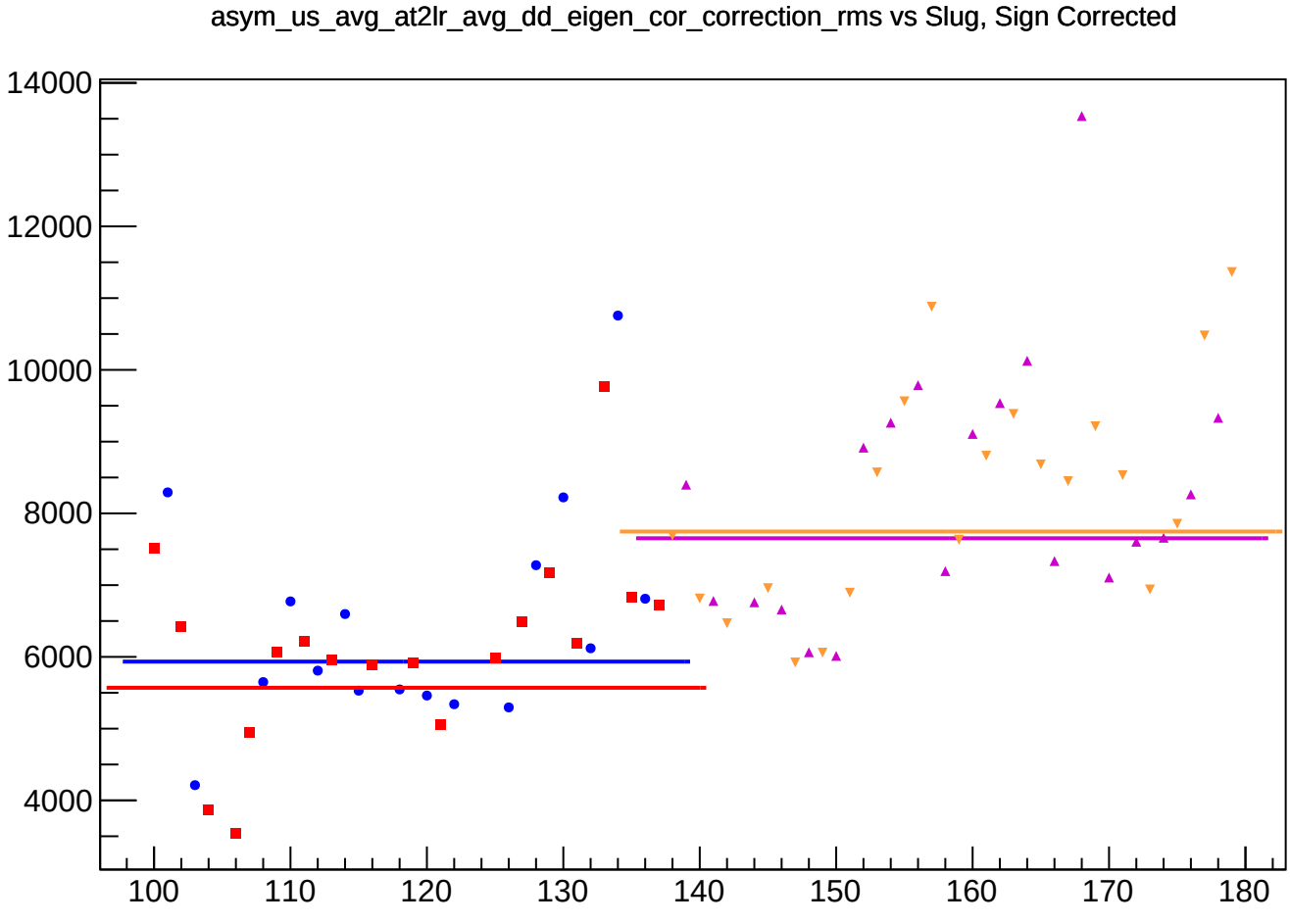
Left: -541.021+/-1369.705 χ^2/NDF: 38.5/40

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 216.482+/-1470.027 χ^2/NDF:26.7/35

Out: -180.618+/-1435.757 χ^2/NDF:43.0/38

All: 13.249+/-1027.135 χ^2/NDF: 69.8/74



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7746.729+/-1.373 χ^2/NDF:1051145.3/20

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

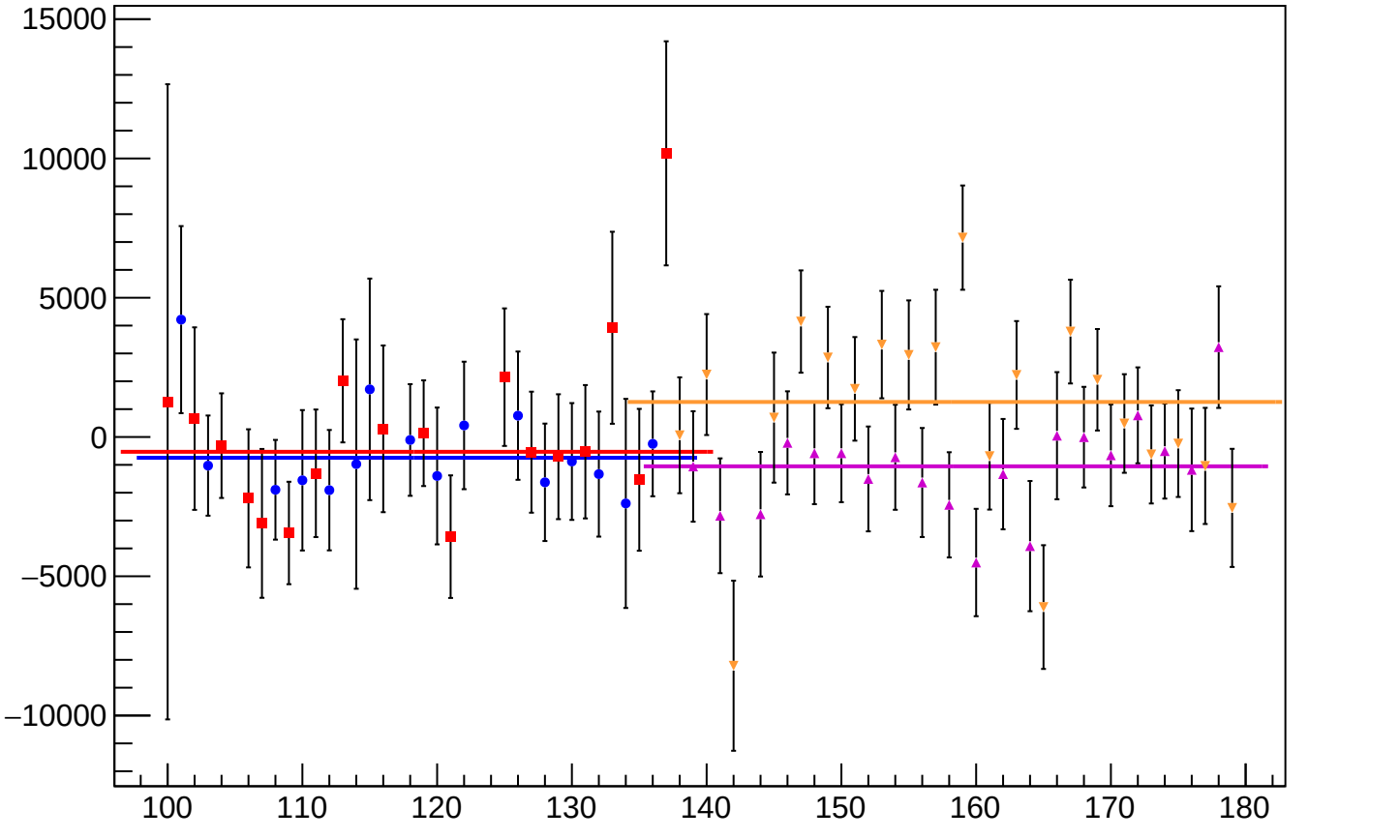
Left: 7699.724+/-0.969 χ^2/NDF: 2158300.6/40

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6928.609+/-1.039 χ^2/NDF:2424704.6/35

Out: 6760.342+/-1.015 χ^2/NDF:2914737.9/38

All: 6842.491+/-0.726 χ^2/NDF: 5352853.8/74



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1257.920+/-431.559 χ^2/NDF:46.9/20

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1052.336+/-433.851 χ^2/NDF:12.8/19

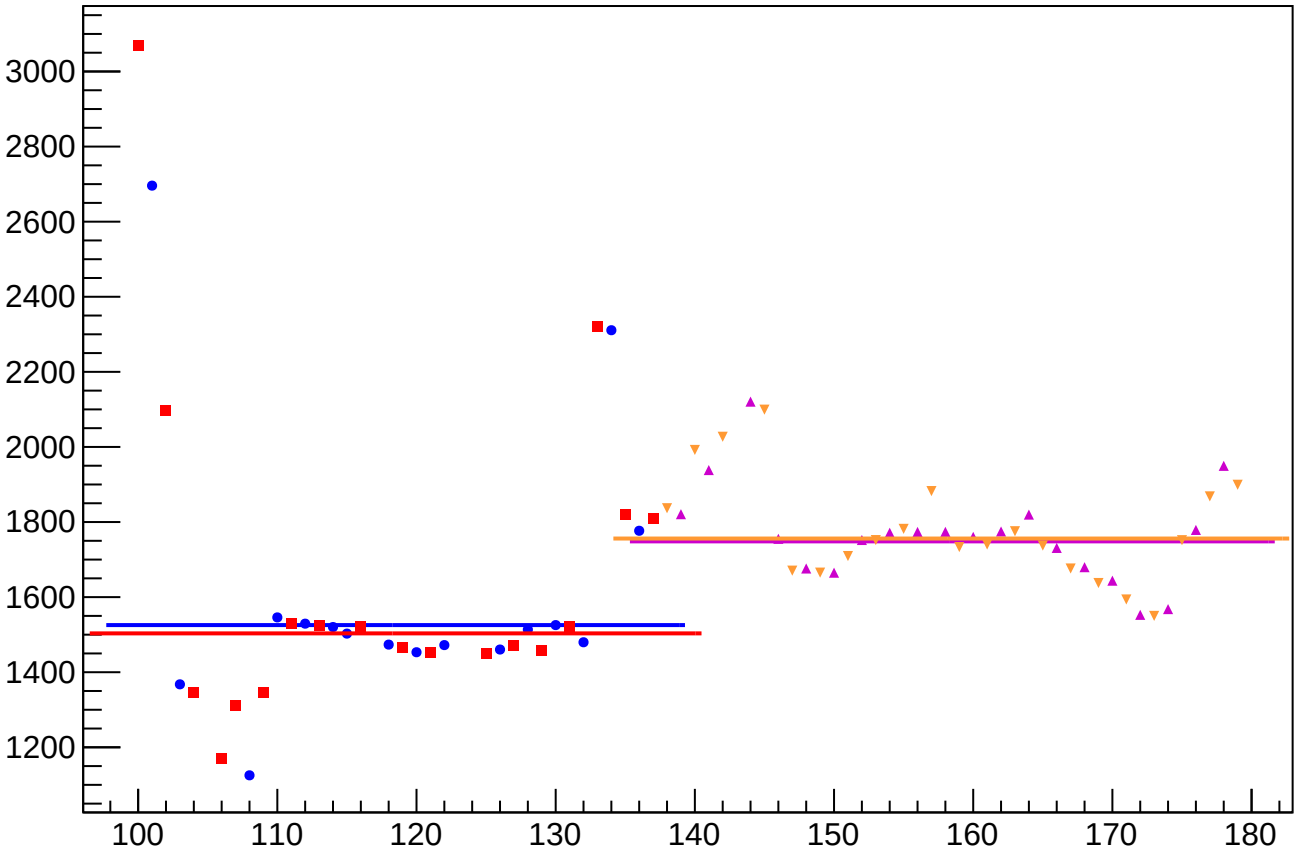
Left: 108.911+/-305.966 χ^2/NDF: 74.0/40

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -941.927+/-346.995 χ^2/NDF:17.8/35

Out: 613.378+/-345.183 χ^2/NDF:70.8/38

All: -160.203+/-244.719 χ^2/NDF: 98.7/74



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1756.061+/-0.305 χ^2/NDF:176108.8/20

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1748.490+/-0.307 χ^2/NDF:161205.6/19

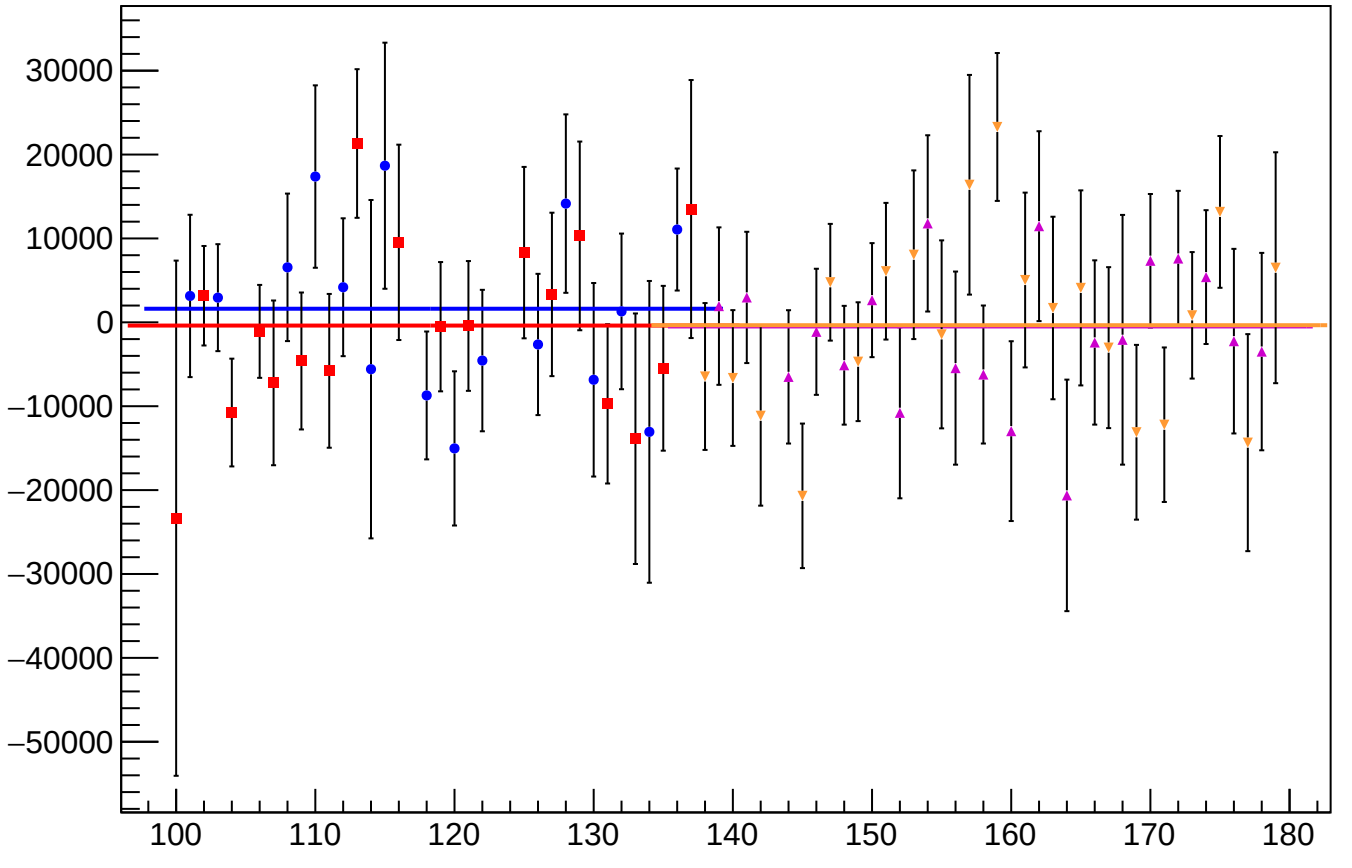
Left: 1752.295+/-0.216 χ^2/NDF: 337620.5/40

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1668.156+/-0.245 χ^2/NDF:839844.5/35

Out: 1665.021+/-0.244 χ^2/NDF:761594.8/38

All: 1666.580+/-0.173 χ^2/NDF: 1601521.4/74



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -343.722+/-2038.228 χ^2/NDF:26.1/20

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -492.902+/-2029.142 χ^2/NDF:11.8/19

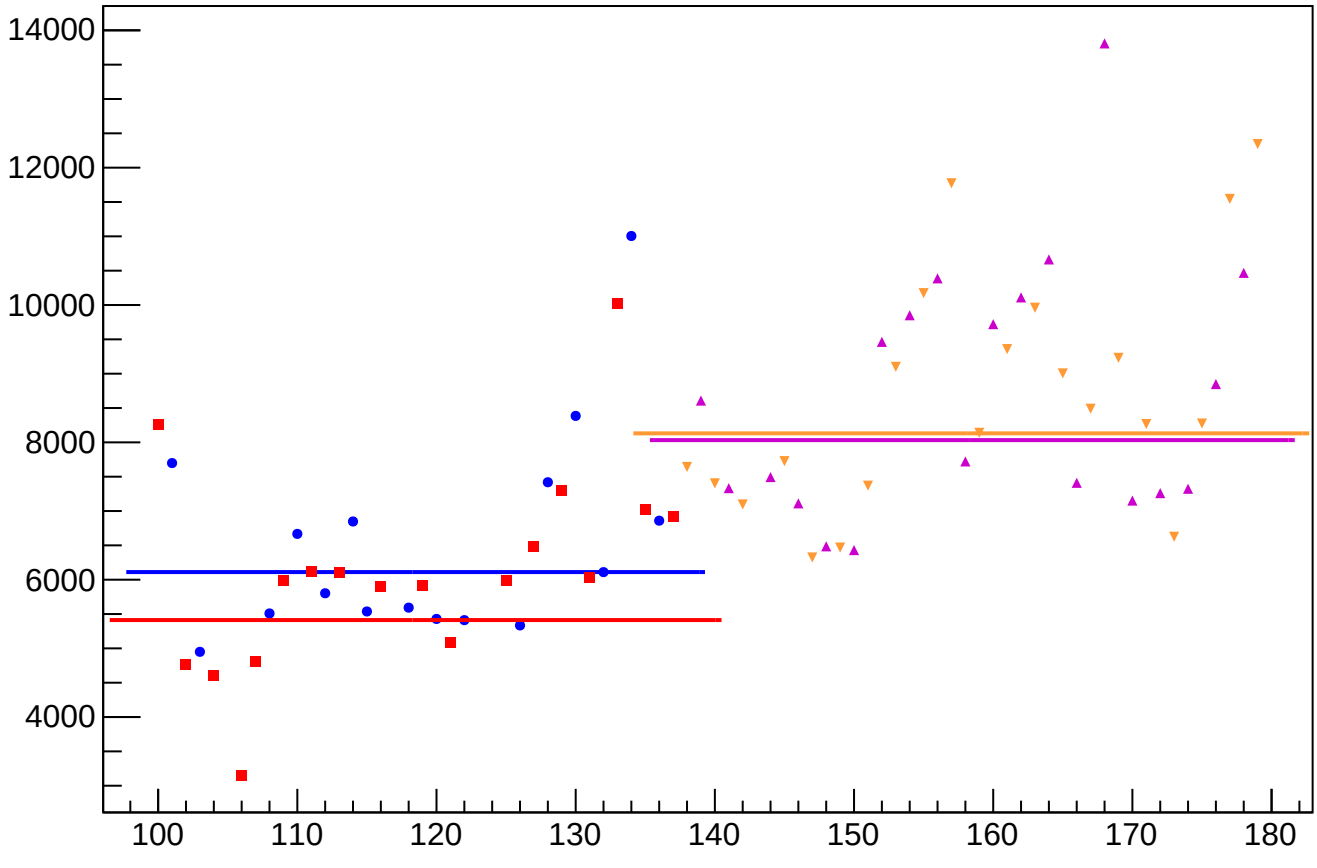
Left: -418.645+/-1438.022 χ^2/NDF: 37.9/40

Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 422.884+/-1527.374 χ^2/NDF:26.5/35

Out: -364.599+/-1449.183 χ^2/NDF:42.1/38

All: 8.471+/-1051.283 χ^2/NDF: 68.8/74



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8131.046+/-1.441 χ^2/NDF:1075957.6/20

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8032.599+/-1.435 χ^2/NDF:1109391.6/19

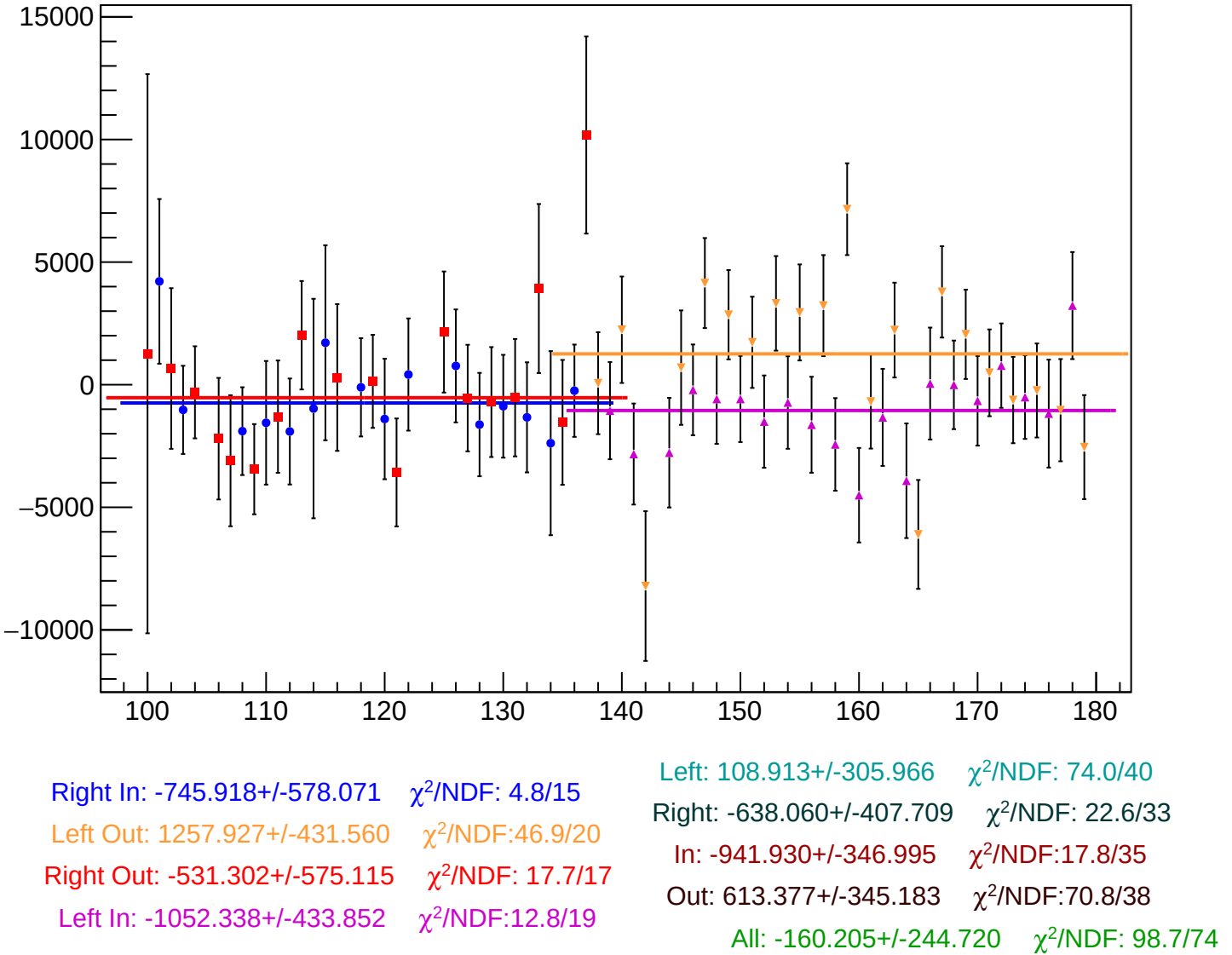
Left: 8081.603+/-1.017 χ^2/NDF: 2187692.5/40

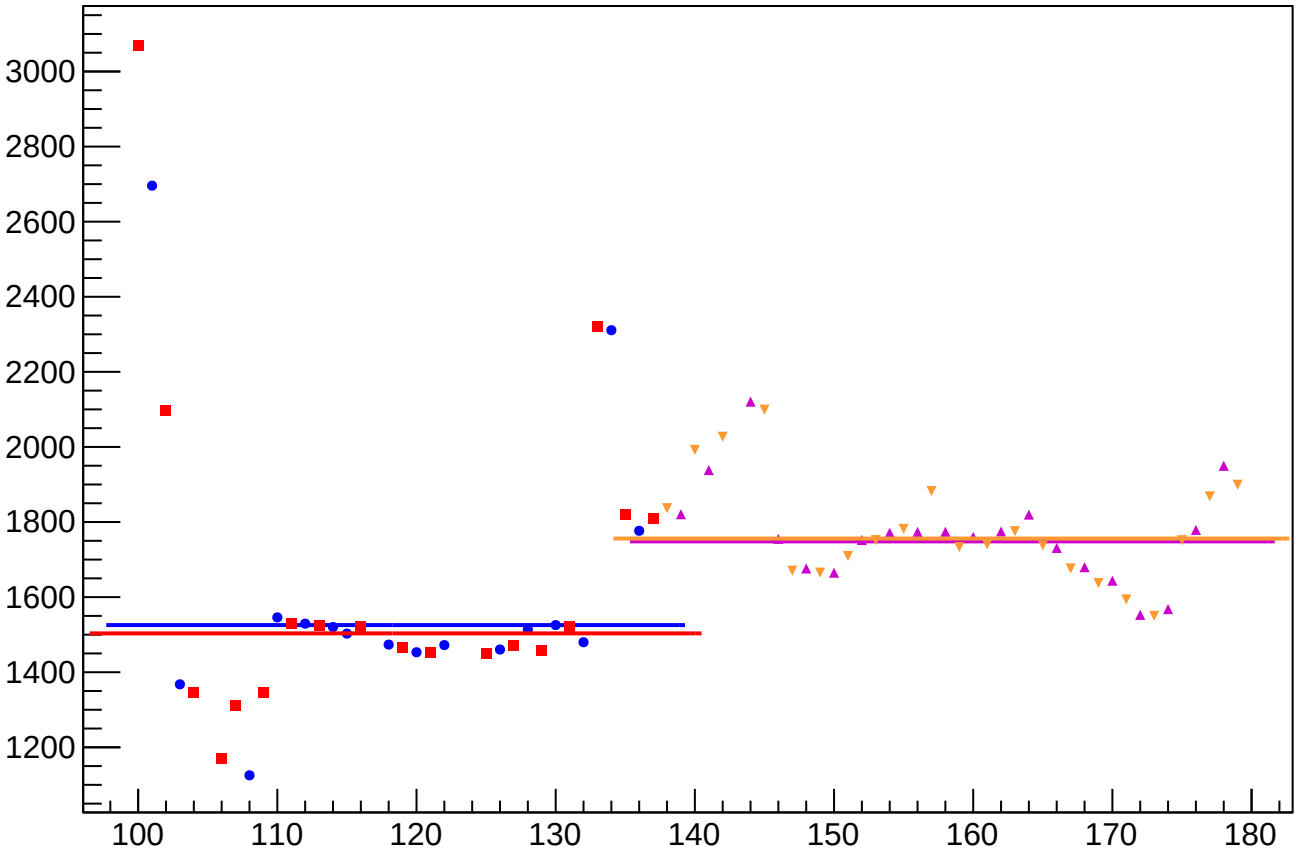
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7199.767+/-1.080 χ^2/NDF:2358404.0/35

Out: 6786.676+/-1.025 χ^2/NDF:3657095.1/38

All: 6982.378+/-0.743 χ^2/NDF: 6092487.1/74


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1257.927+/-431.560 χ²/NDF:46.9/20
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1052.338+/-433.852 χ²/NDF:12.8/19
Left: 108.913+/-305.966 χ²/NDF: 74.0/40
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -941.930+/-346.995 χ²/NDF:17.8/35
Out: 613.377+/-345.183 χ²/NDF:70.8/38
All: -160.205+/-244.720 χ²/NDF: 98.7/74



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1756.064+/-0.305 χ^2/NDF:176117.5/20

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1748.492+/-0.307 χ^2/NDF:161212.5/19

Left: 1752.298+/-0.216 χ^2/NDF: 337636.2/40

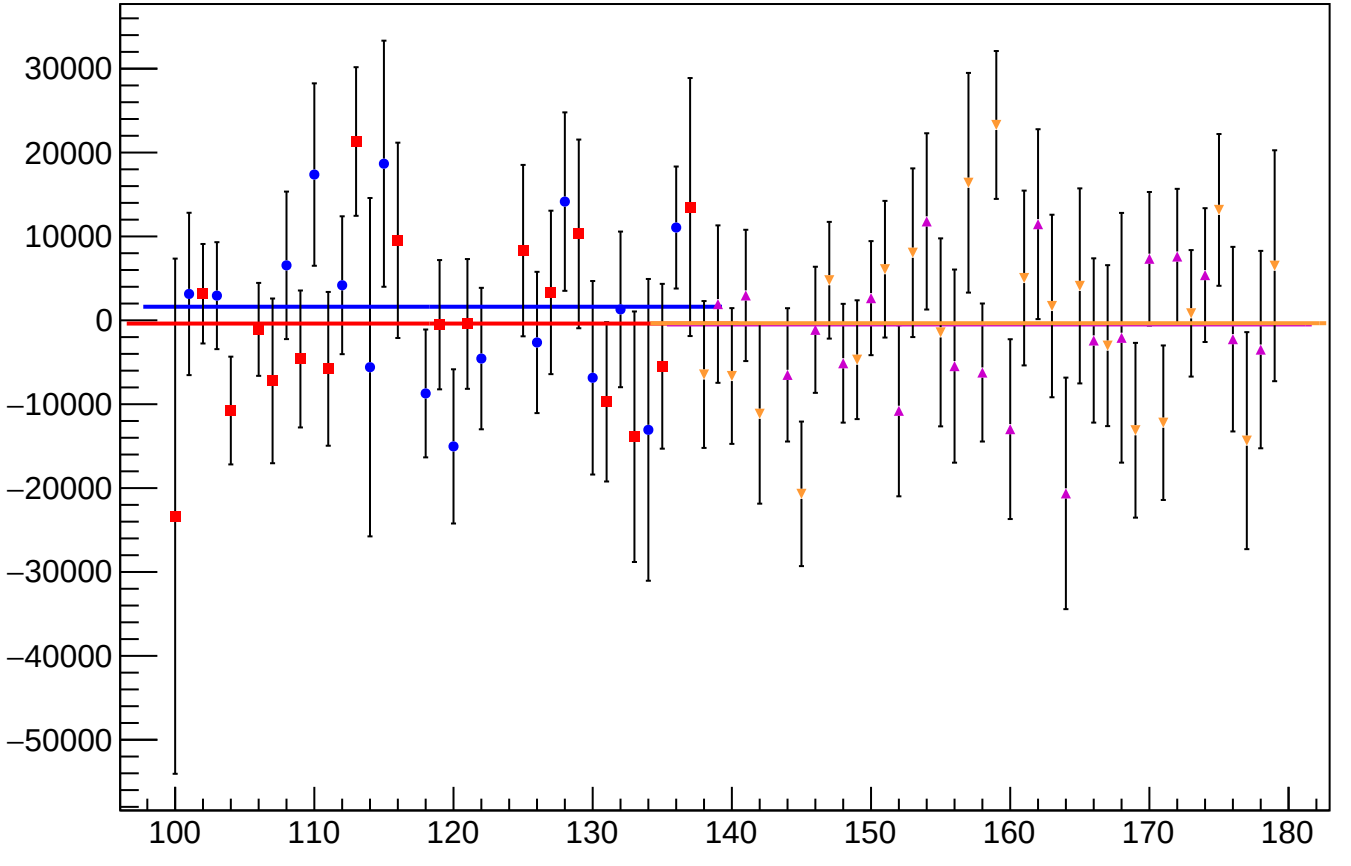
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1668.157+/-0.245 χ^2/NDF:839855.1/35

Out: 1665.023+/-0.244 χ^2/NDF:761608.5/38

All: 1666.582+/-0.173 χ^2/NDF: 1601545.6/74

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -343.722+/-2038.232 χ^2/NDF:26.1/20

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -492.901+/-2029.145 χ^2/NDF:11.8/19

Left: -418.645+/-1438.024 χ^2/NDF: 37.9/40

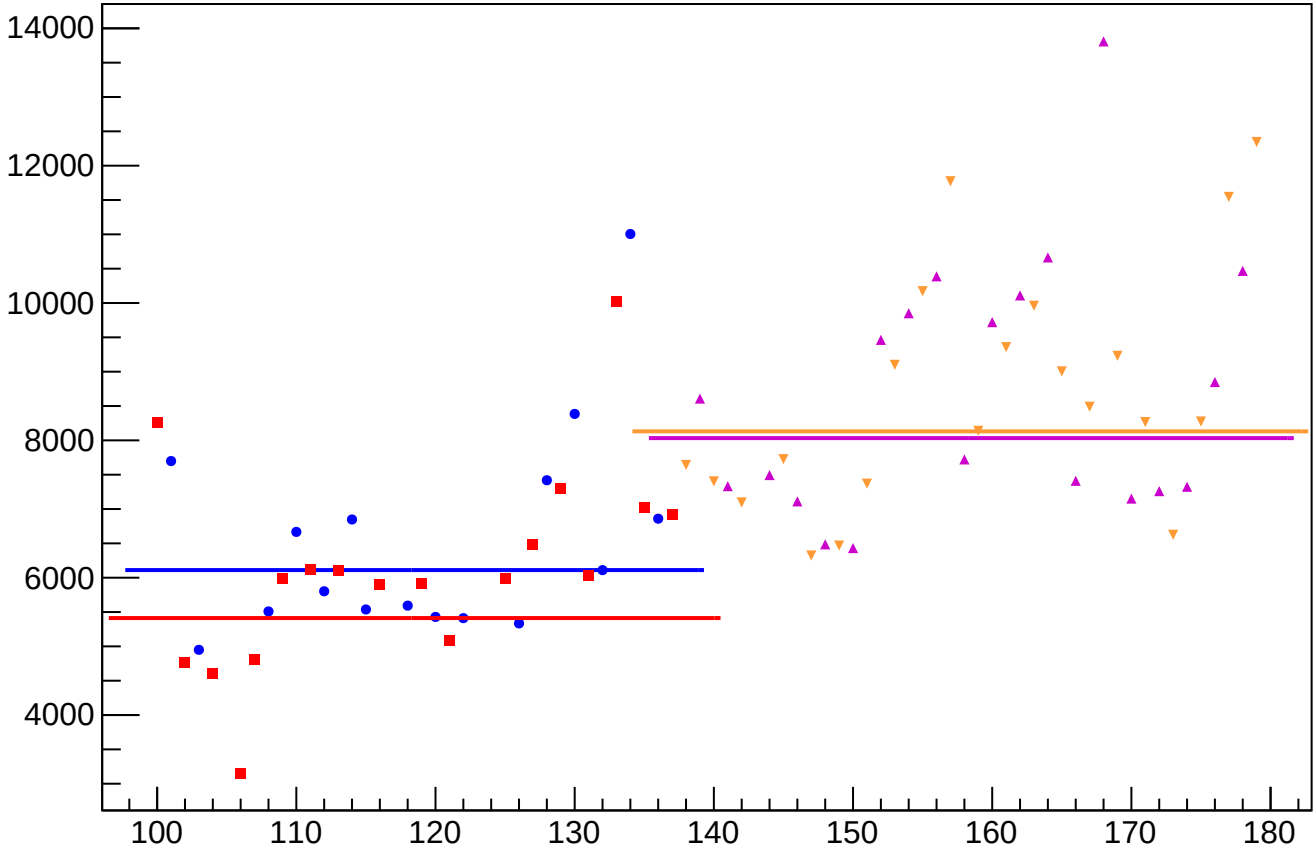
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 422.880+/-1527.374 χ^2/NDF:26.5/35

Out: -364.602+/-1449.183 χ^2/NDF:42.1/38

All: 8.467+/-1051.283 χ^2/NDF: 68.8/74

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8131.059+/-1.441 χ^2/NDF:1075960.2/20

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 8032.611+/-1.435 χ^2/NDF:1109394.6/19

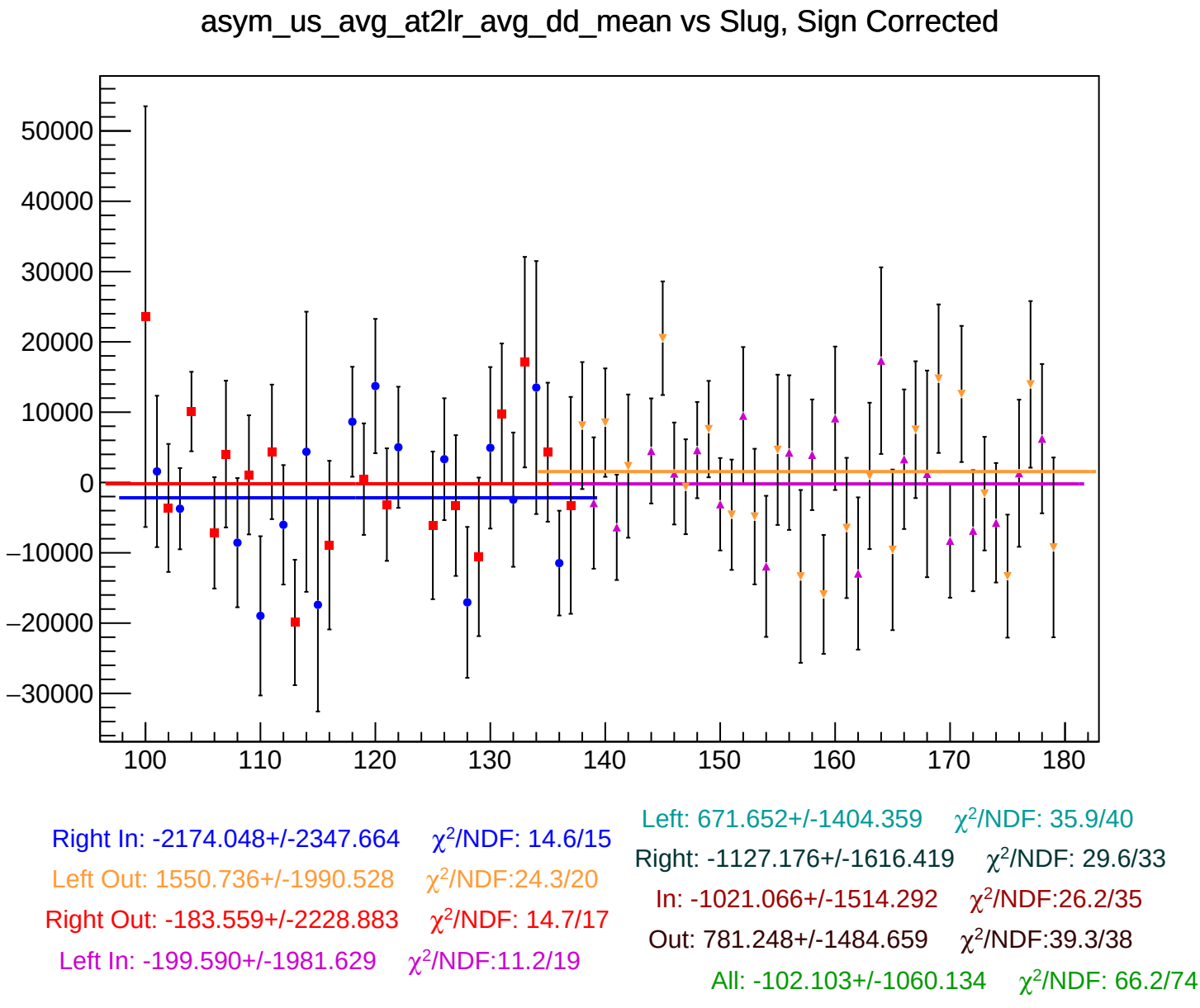
Left: 8081.615+/-1.017 χ^2/NDF: 2187698.2/40

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7199.765+/-1.080 χ^2/NDF:2358430.3/35

Out: 6786.672+/-1.025 χ^2/NDF:3657130.0/38

All: 6982.374+/-0.743 χ^2/NDF: 6092548.9/74


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
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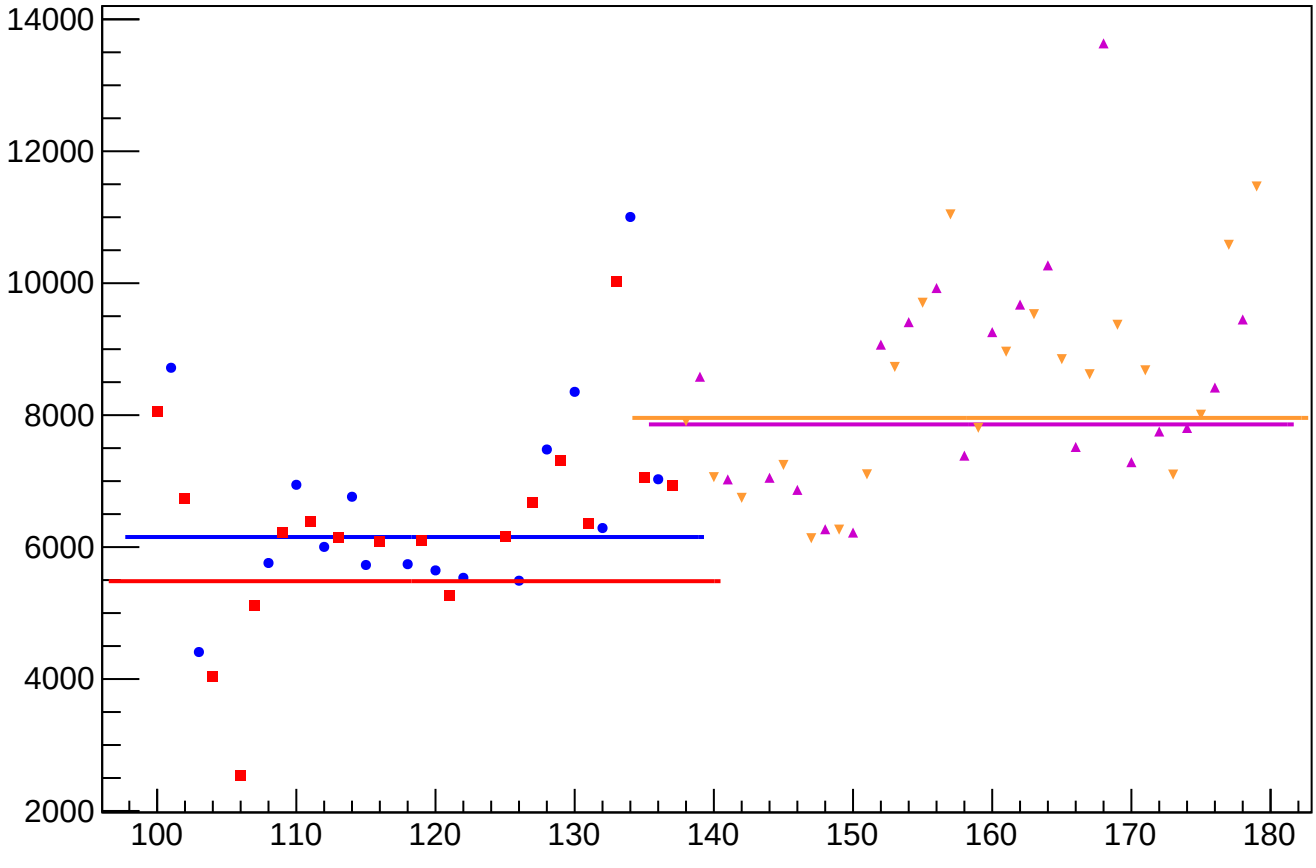
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1550.736+/-1990.528 χ²/NDF:24.3/20
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -199.590+/-1981.629 χ²/NDF:11.2/19
Left: 671.652+/-1404.359 χ²/NDF: 35.9/40
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1021.066+/-1514.292 χ²/NDF:26.2/35
Out: 781.248+/-1484.659 χ²/NDF:39.3/38
All: -102.103+/-1060.134 χ²/NDF: 66.2/74



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7958.268+/-1.408 χ^2/NDF:961034.8/20

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7859.705+/-1.401 χ^2/NDF:1018083.2/19

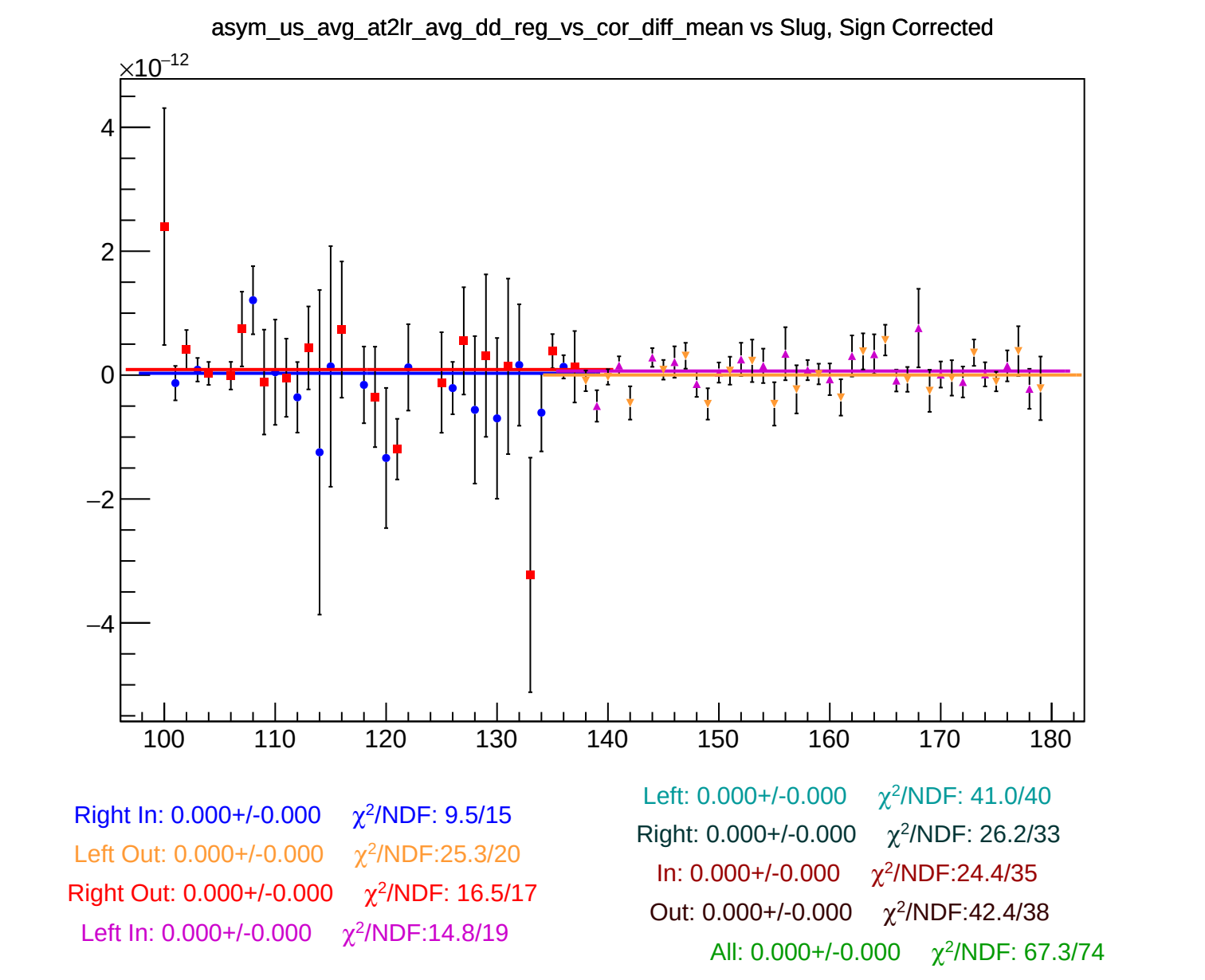
Left: 7908.766+/-0.993 χ^2/NDF: 1981580.9/40

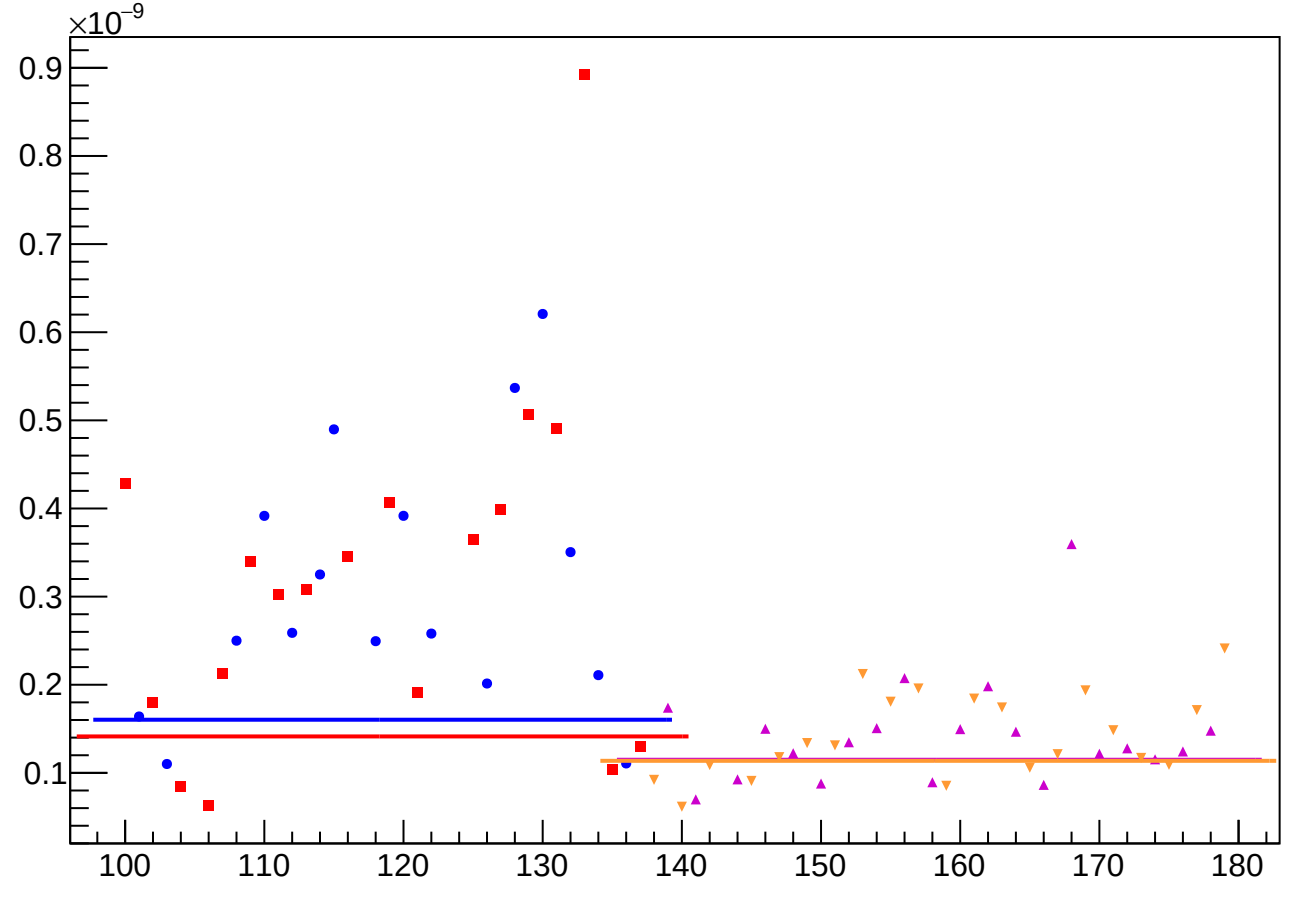
Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7149.494+/-1.071 χ^2/NDF:2259572.0/35

Out: 6815.320+/-1.033 χ^2/NDF:3537600.5/38

All: 6976.341+/-0.743 χ^2/NDF: 5847640.3/74


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: 0.000+/-0.000 χ²/NDF:25.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:14.8/19
Left: 0.000+/-0.000 χ²/NDF: 41.0/40
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:24.4/35
Out: 0.000+/-0.000 χ²/NDF:42.4/38
All: 0.000+/-0.000 χ²/NDF: 67.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1349420.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1184412.4/19

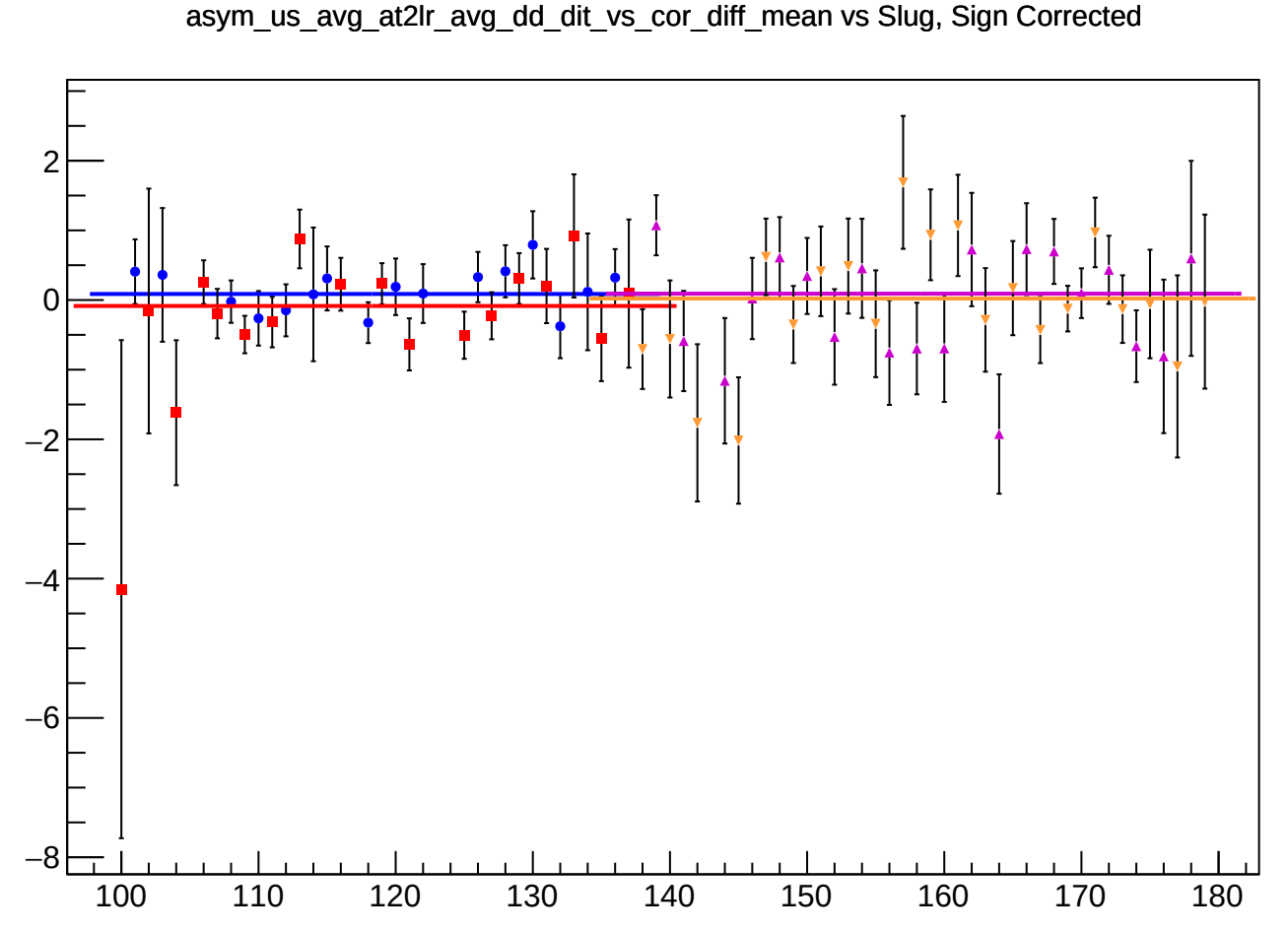
Left: 0.000+/-0.000 χ^2/NDF: 2534440.9/40

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2826842.7/35

Out: 0.000+/-0.000 χ^2/NDF:3634567.0/38

All: 0.000+/-0.000 χ^2/NDF: 6472173.4/74



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.091+/-0.135 χ^2/NDF:26.1/19

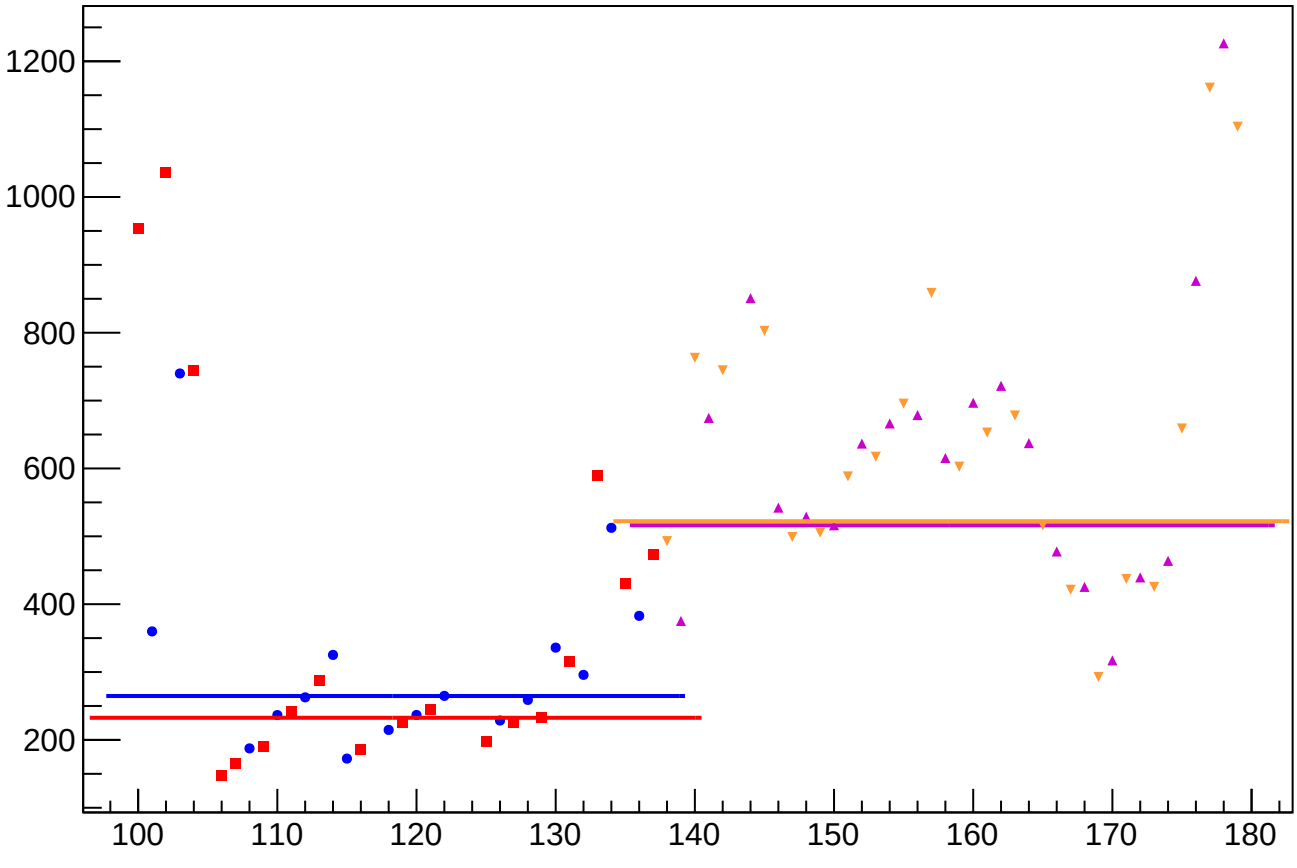
Left: 0.057+/-0.096 χ^2/NDF: 51.2/40

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.016+/-0.057 χ^2/NDF: 83.6/74



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 516.220+/-0.096 χ^2/NDF:2661627.3/19

Left: 519.191+/-0.068 χ^2/NDF: 5882207.5/40

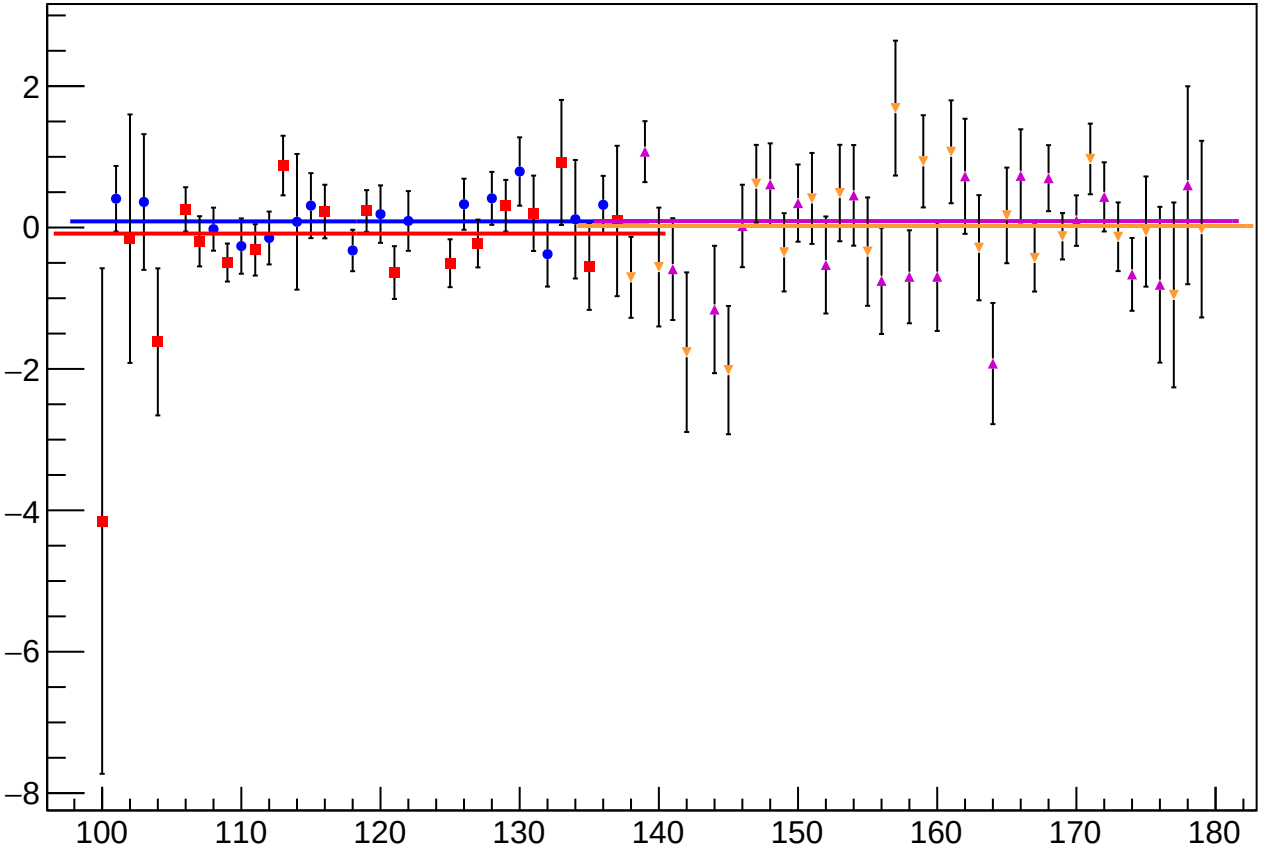
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 359.263+/-0.059 χ^2/NDF:8255937.7/35

Out: 330.042+/-0.056 χ^2/NDF:11208939.0/38

All: 343.984+/-0.041 χ^2/NDF: 19594489.6/74

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.091+/-0.135 χ^2/NDF:26.1/19

Left: 0.057+/-0.096 χ^2/NDF: 51.2/40

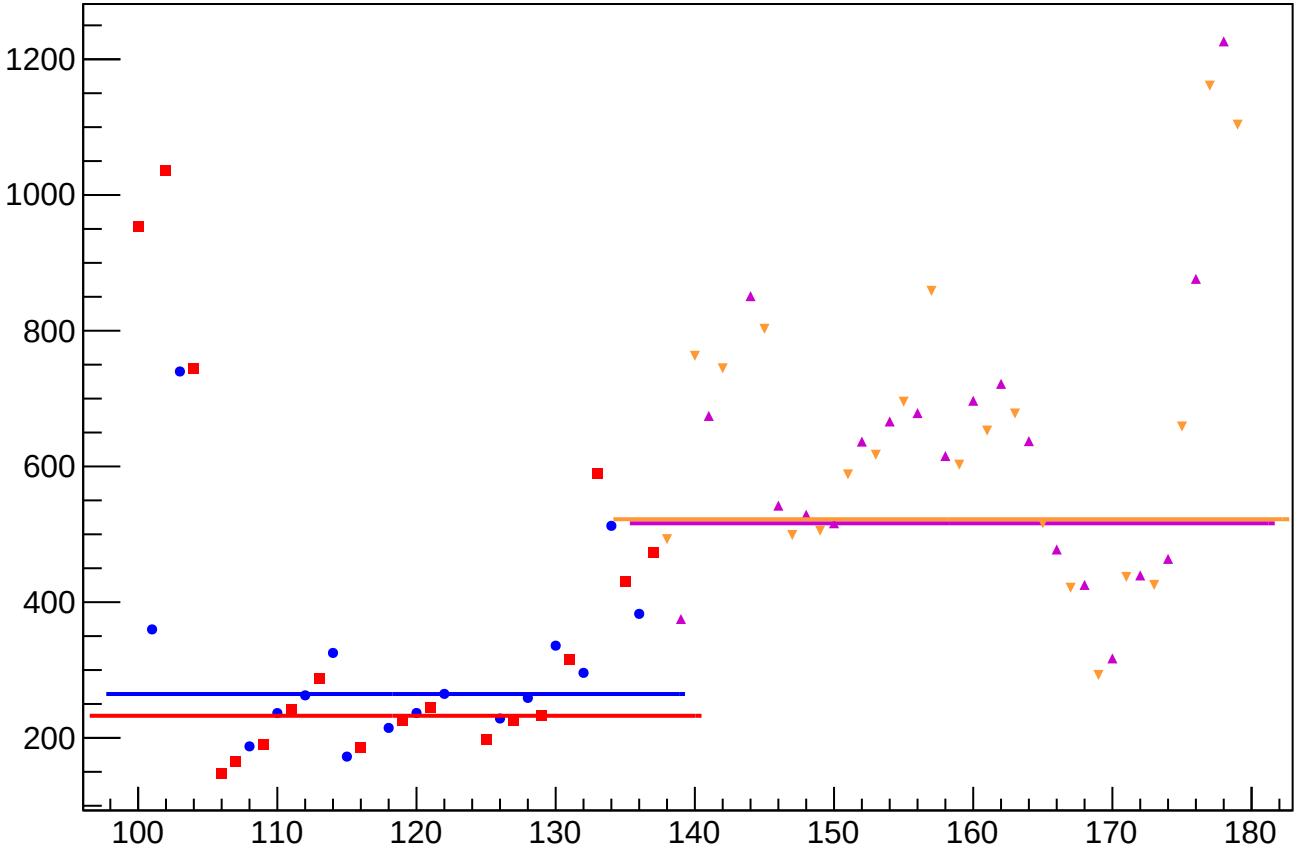
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.016+/-0.057 χ^2/NDF: 83.6/74

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218633.7/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 516.220+/-0.096 χ^2/NDF:2661627.3/19

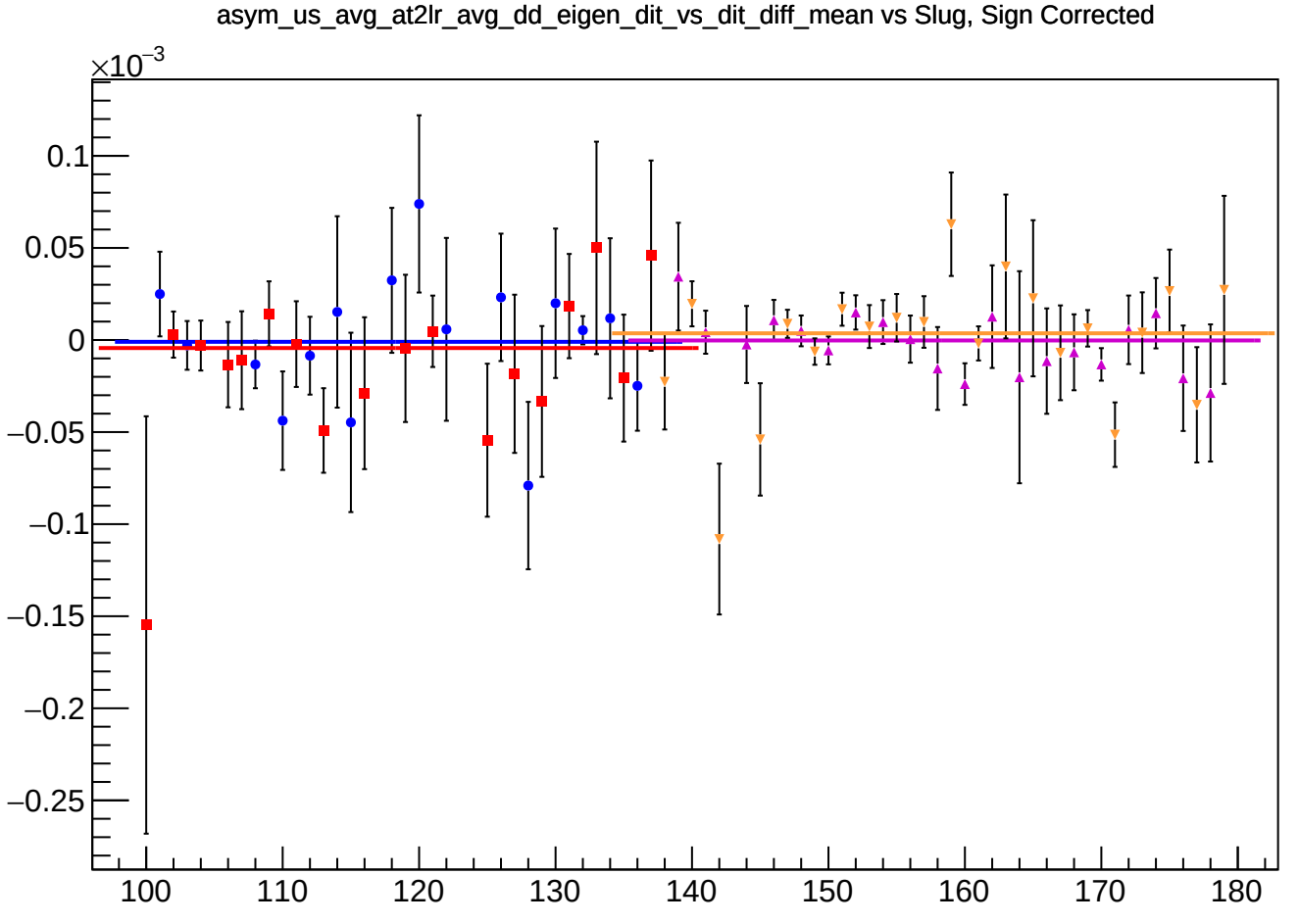
Left: 519.191+/-0.068 χ^2/NDF: 5882207.5/40

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 359.263+/-0.059 χ^2/NDF:8255937.7/35

Out: 330.042+/-0.056 χ^2/NDF:11208939.0/38

All: 343.984+/-0.041 χ^2/NDF: 19594489.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:16.2/19

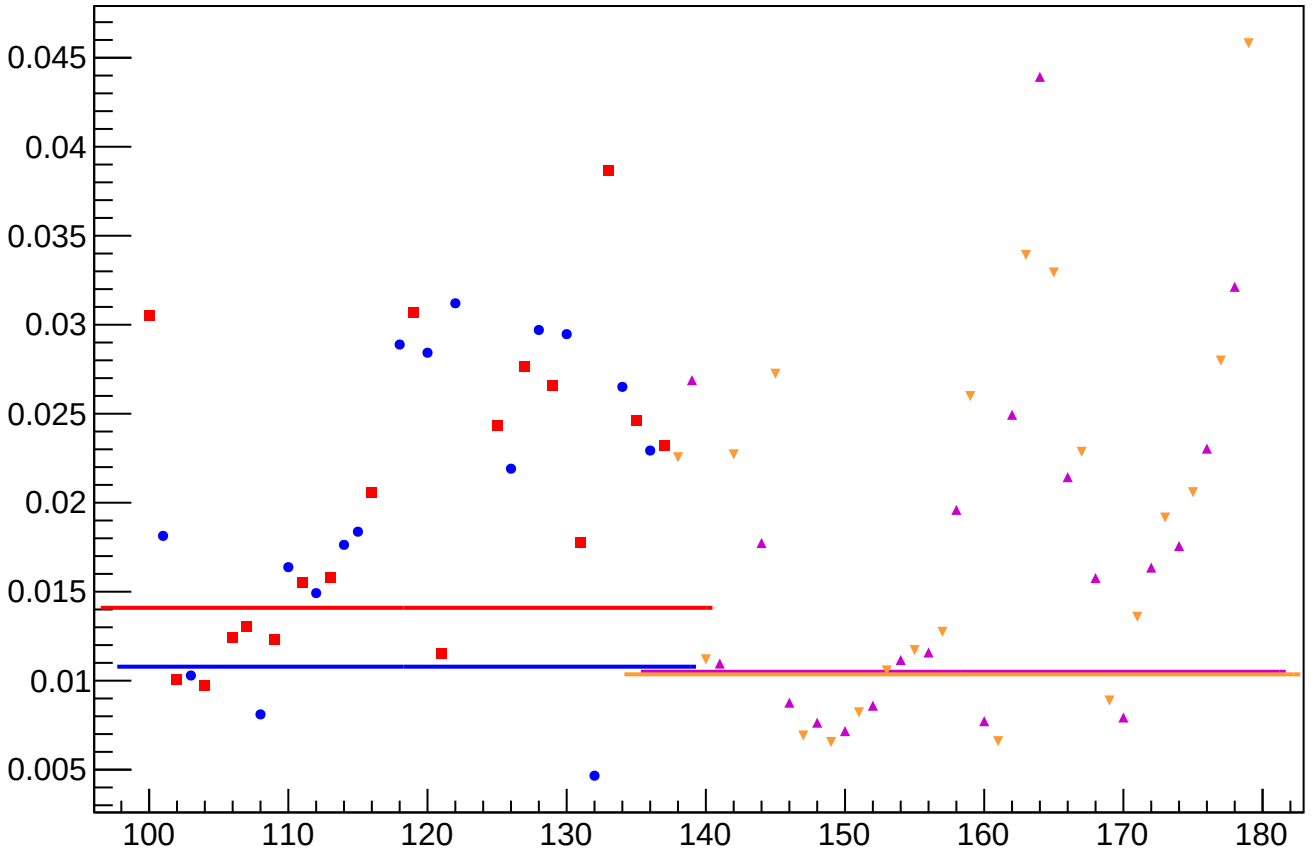
Left: 0.000+/-0.000 χ^2/NDF: 54.8/40

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:30.6/35

Out: 0.000+/-0.000 χ^2/NDF:51.9/38

All: 0.000+/-0.000 χ^2/NDF: 82.9/74



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:7577529.7/20

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.011+/-0.000 χ^2/NDF:5423603.7/19

Left: 0.010+/-0.000 χ^2/NDF: 13003479.8/40

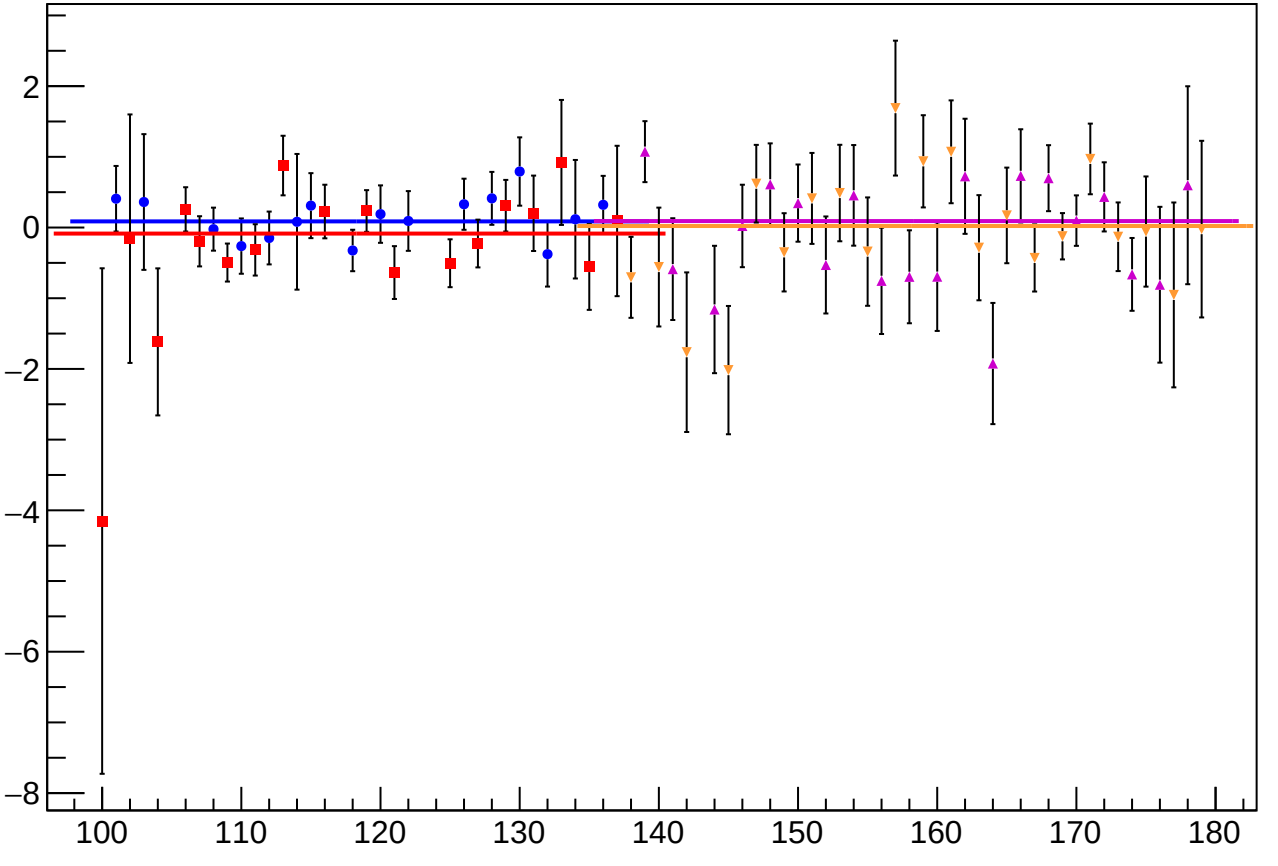
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:10008501.3/35

Out: 0.011+/-0.000 χ^2/NDF:10331859.6/38

All: 0.011+/-0.000 χ^2/NDF: 20389324.0/74

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.091+/-0.135 χ^2/NDF:26.1/19

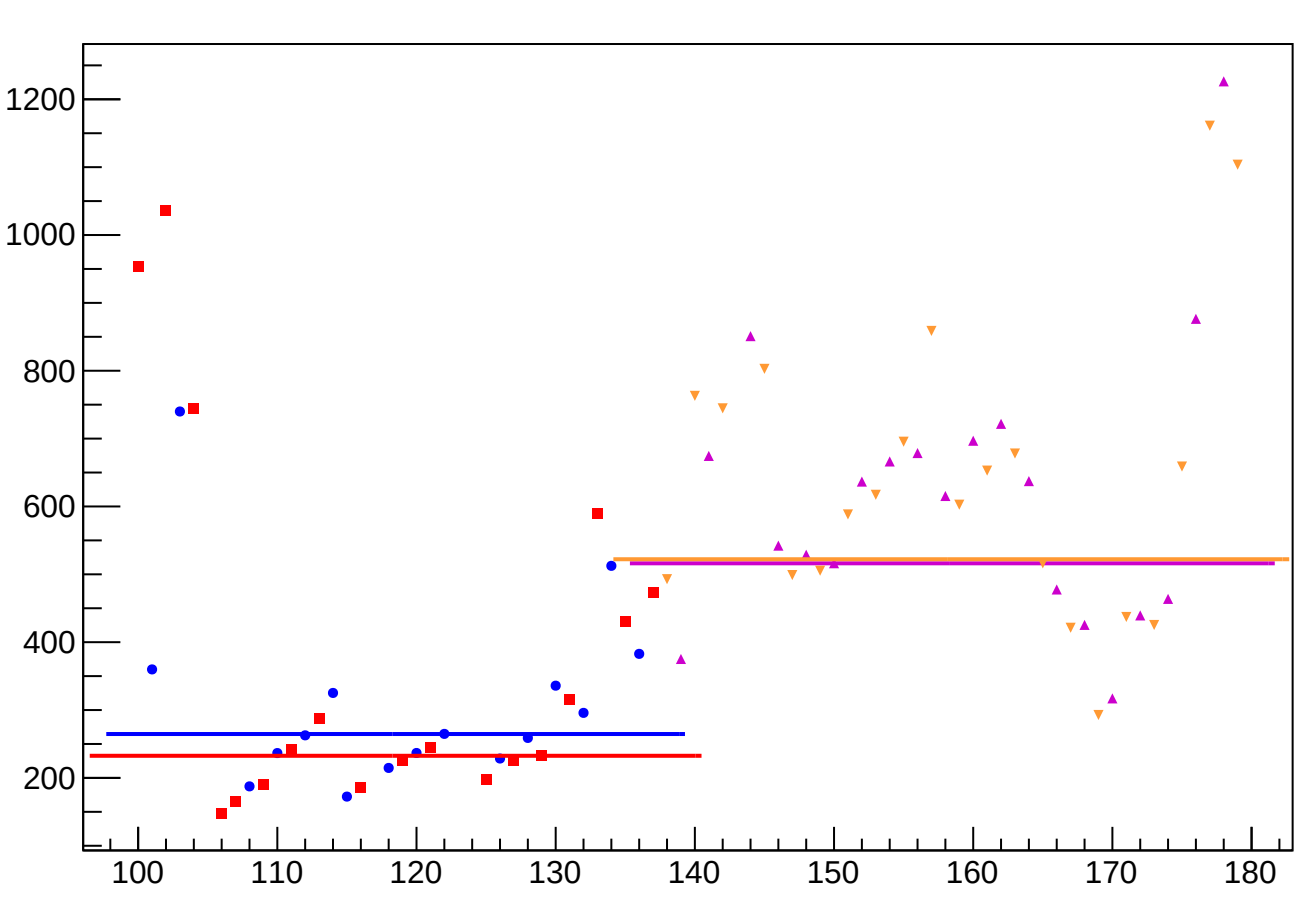
Left: 0.057+/-0.096 χ^2/NDF: 51.2/40

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.016+/-0.057 χ^2/NDF: 83.6/74



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218803.3/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 516.223+/-0.096 χ^2/NDF:2661697.0/19

Left: 519.192+/-0.068 χ^2/NDF: 5882445.1/40

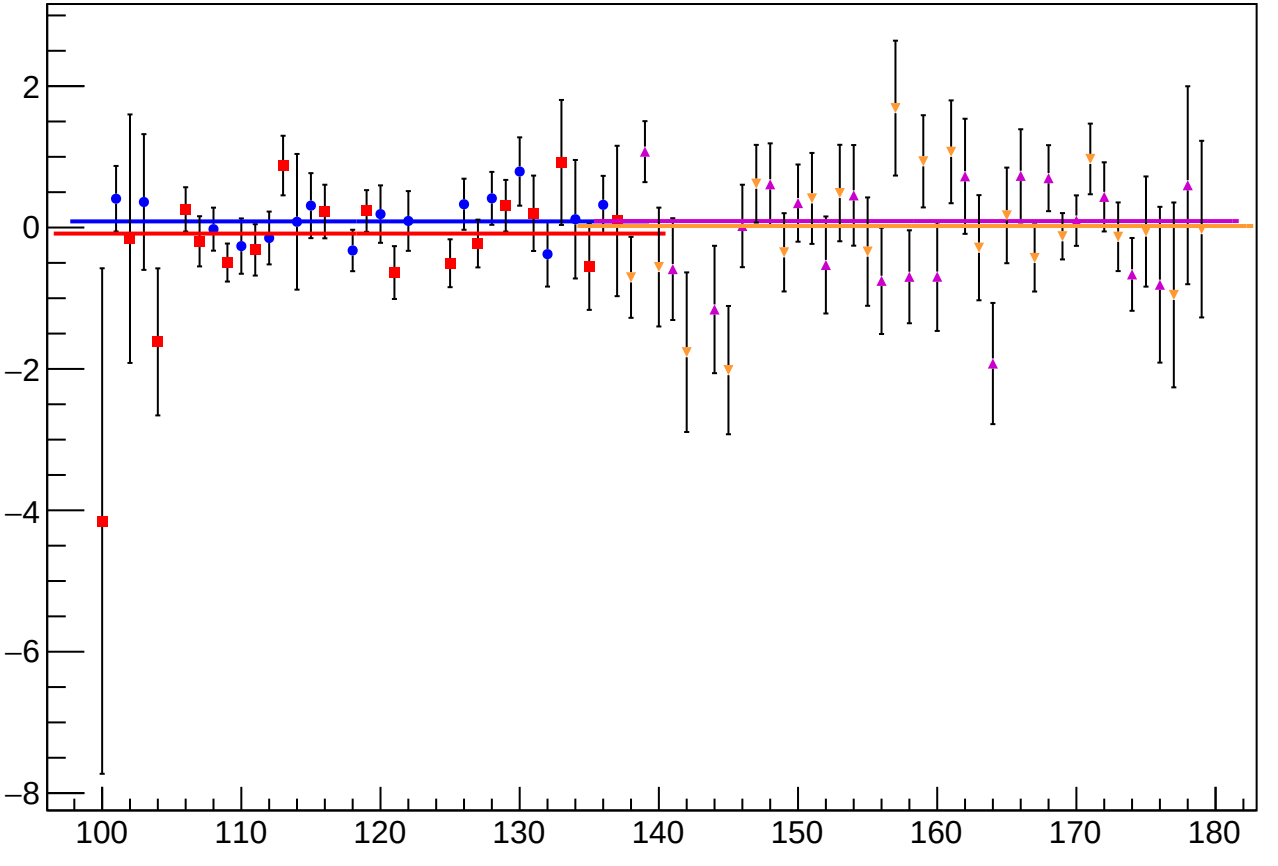
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 359.263+/-0.059 χ^2/NDF:8256055.0/35

Out: 330.042+/-0.056 χ^2/NDF:11209051.1/38

All: 343.984+/-0.041 χ^2/NDF: 19594714.9/74

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.021+/-0.137 χ^2/NDF:25.0/20

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.091+/-0.135 χ^2/NDF:26.1/19

Left: 0.057+/-0.096 χ^2/NDF: 51.2/40

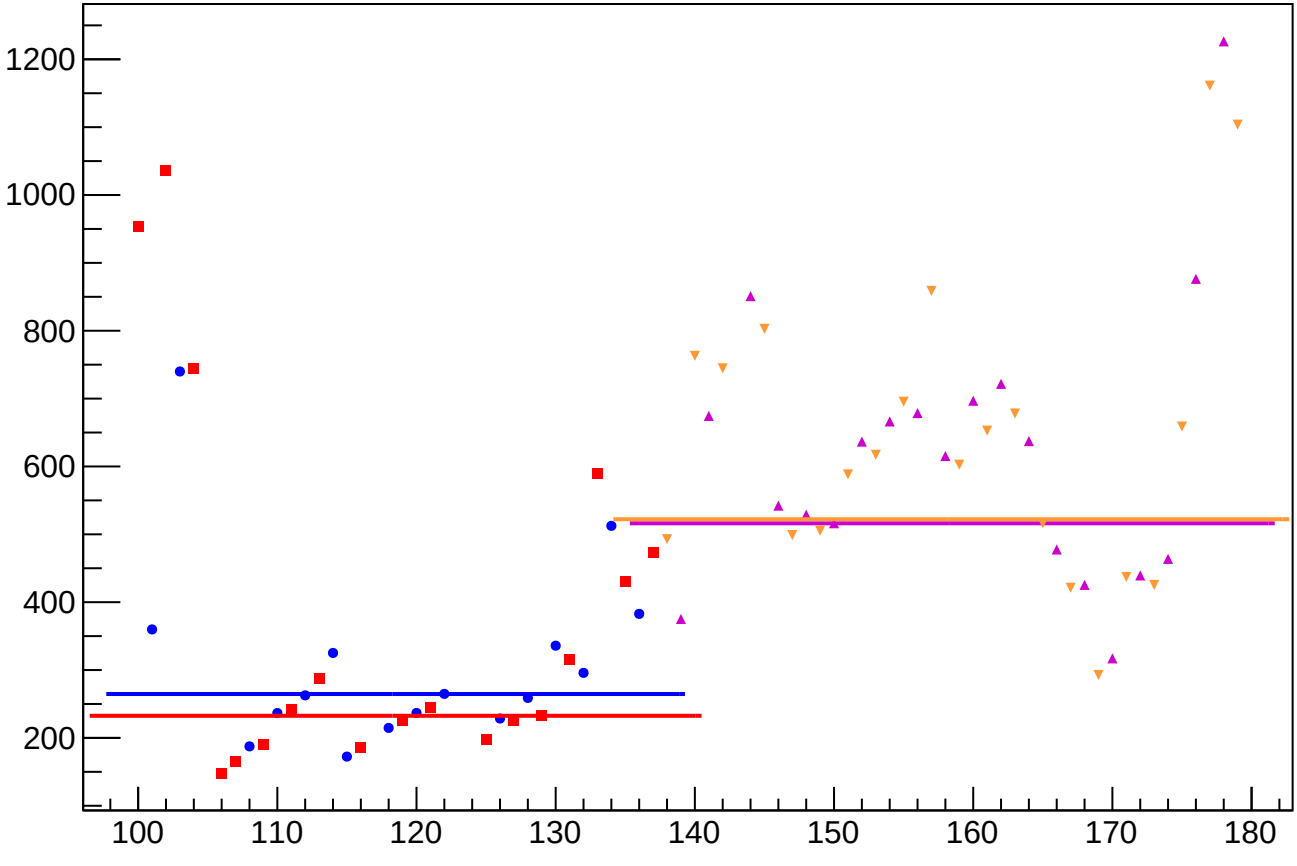
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/38

All: 0.016+/-0.057 χ^2/NDF: 83.6/74

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 522.221+/-0.097 χ^2/NDF:3218803.3/20

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 516.223+/-0.096 χ^2/NDF:2661697.0/19

Left: 519.192+/-0.068 χ^2/NDF: 5882445.1/40

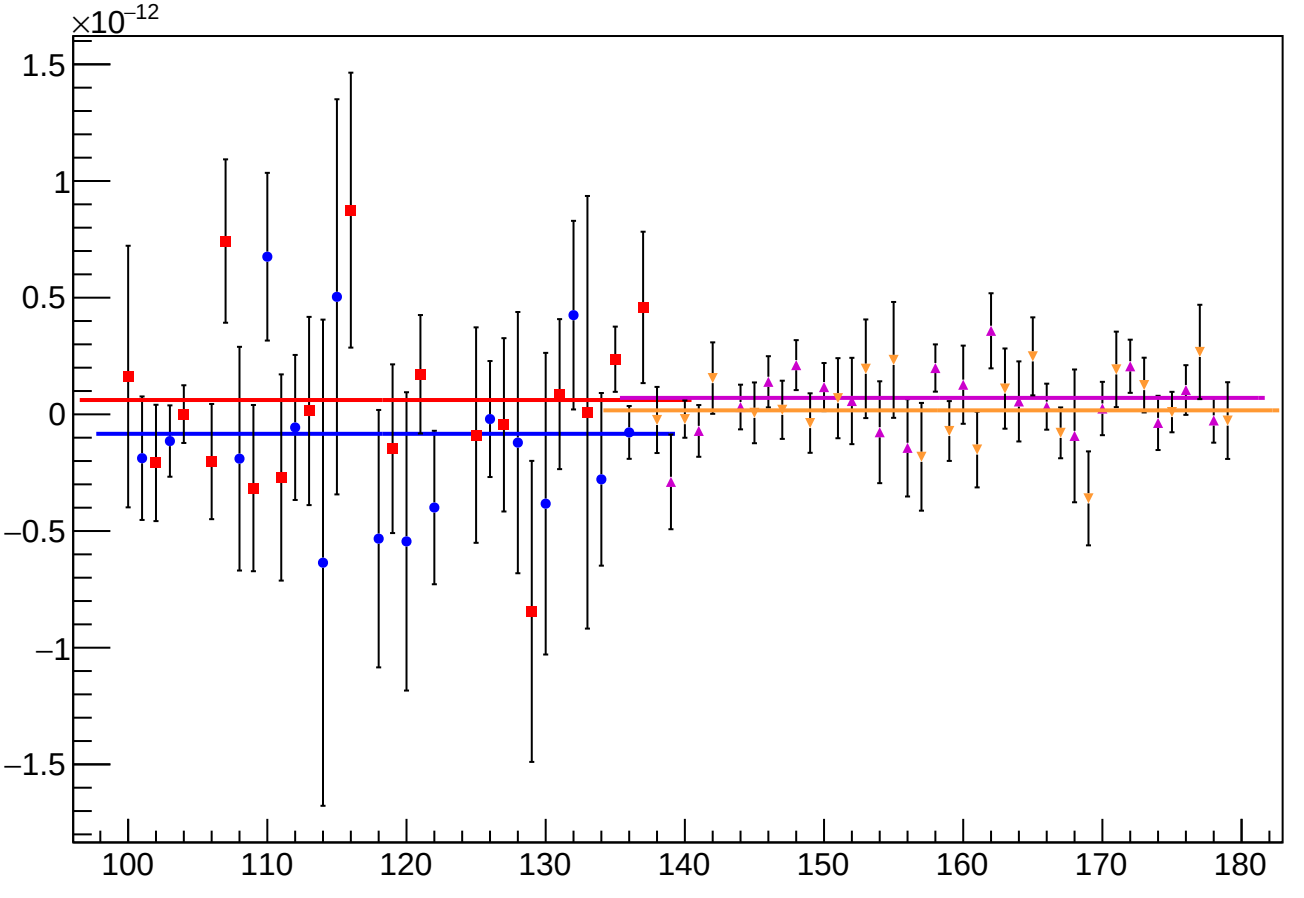
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 359.263+/-0.059 χ^2/NDF:8256055.0/35

Out: 330.042+/-0.056 χ^2/NDF:11209051.1/38

All: 343.984+/-0.041 χ^2/NDF: 19594714.9/74

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:17.7/19

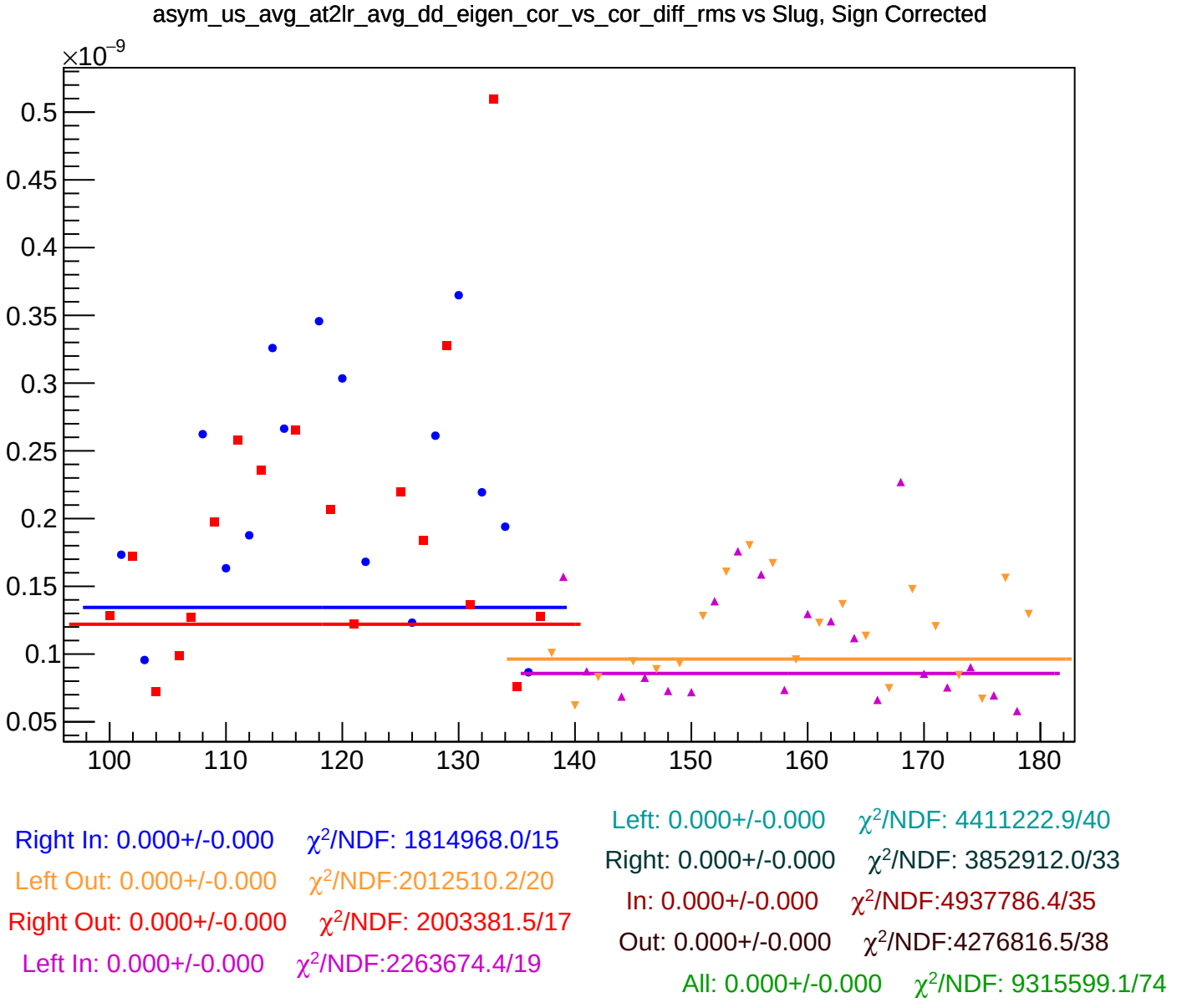
Left: 0.000+/-0.000 χ^2/NDF: 34.7/40

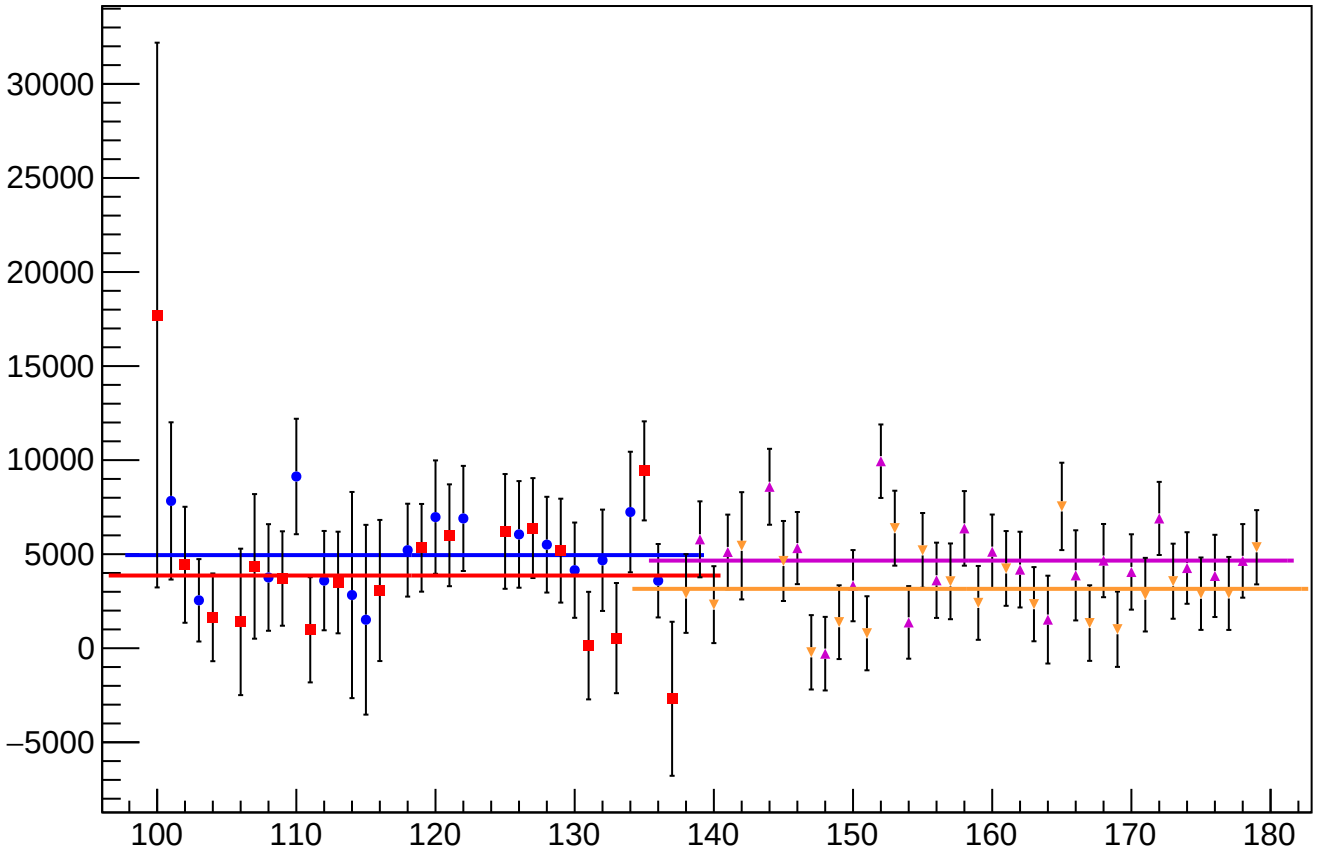
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:31.7/35

Out: 0.000+/-0.000 χ^2/NDF:31.4/38

All: 0.000+/-0.000 χ^2/NDF: 63.6/74


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2012510.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2263674.4/19
Left: 0.000+/-0.000 χ²/NDF: 4411222.9/40
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4937786.4/35
Out: 0.000+/-0.000 χ²/NDF:4276816.5/38
All: 0.000+/-0.000 χ²/NDF: 9315599.1/74



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.659+/-443.055 χ^2/NDF:17.7/20

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4658.675+/-448.248 χ^2/NDF:26.0/19

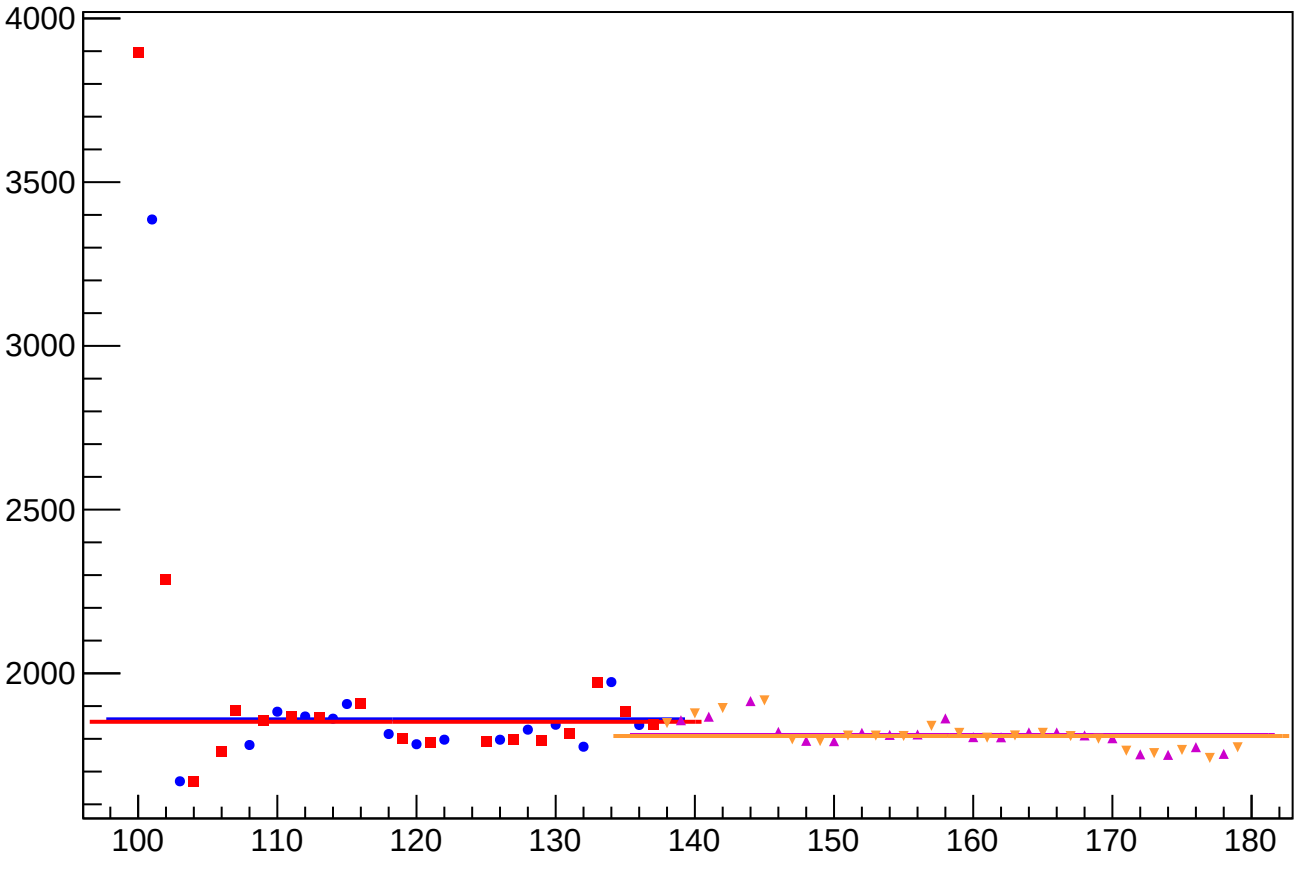
Left: 3898.917+/-315.107 χ^2/NDF: 49.4/40

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4743.671+/-377.319 χ^2/NDF:33.0/35

Out: 3361.057+/-373.719 χ^2/NDF:34.6/38

All: 4045.738+/-265.523 χ^2/NDF: 74.4/74



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

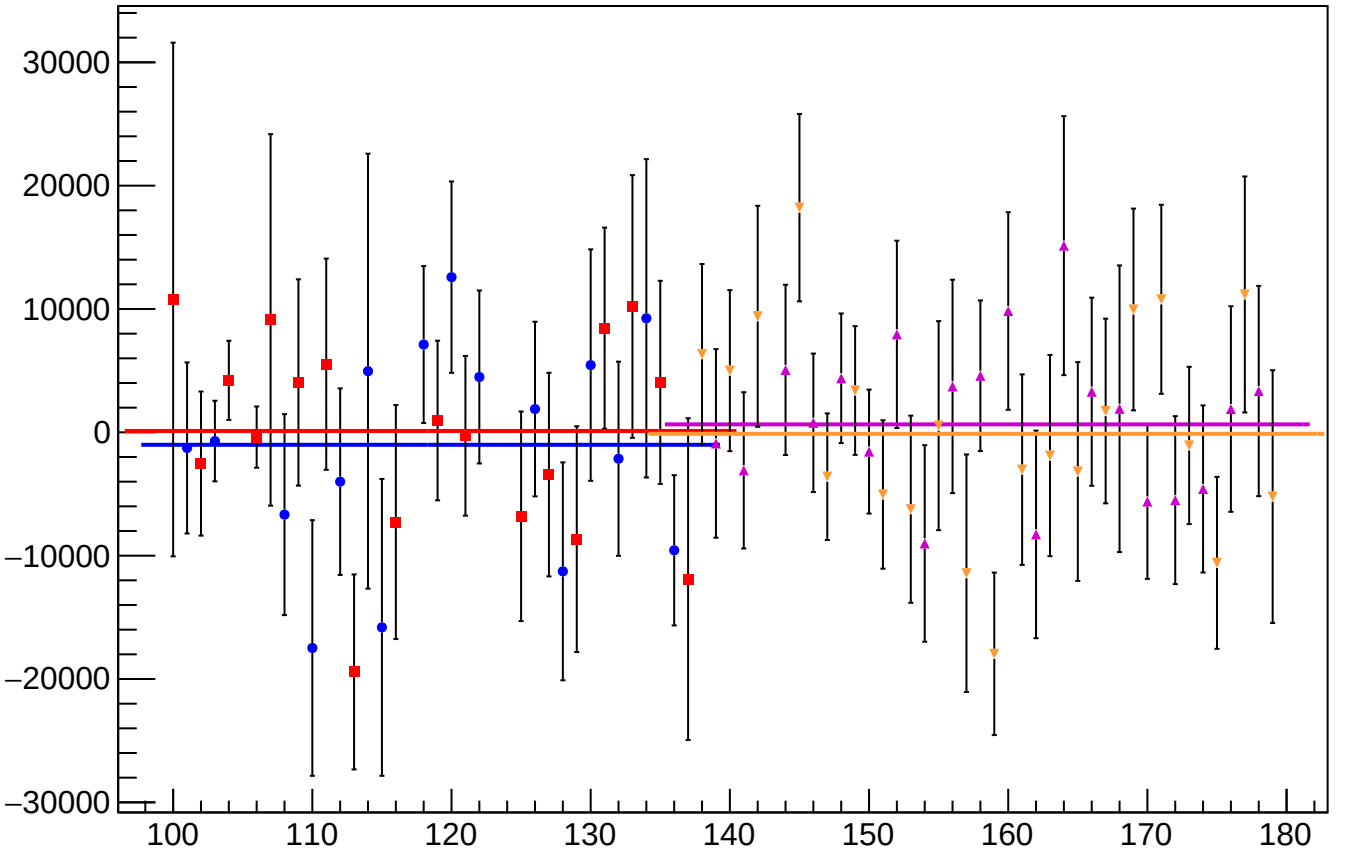
Left: 1810.163+/-0.223 χ^2/NDF: 33174.1/40

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1825.669+/-0.267 χ^2/NDF:314877.0/35

Out: 1821.203+/-0.264 χ^2/NDF:124985.2/38

All: 1823.413+/-0.188 χ^2/NDF: 440003.8/74



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -119.657+/-1582.405 χ^2/NDF:27.1/20

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 645.563+/-1573.015 χ^2/NDF:11.4/19

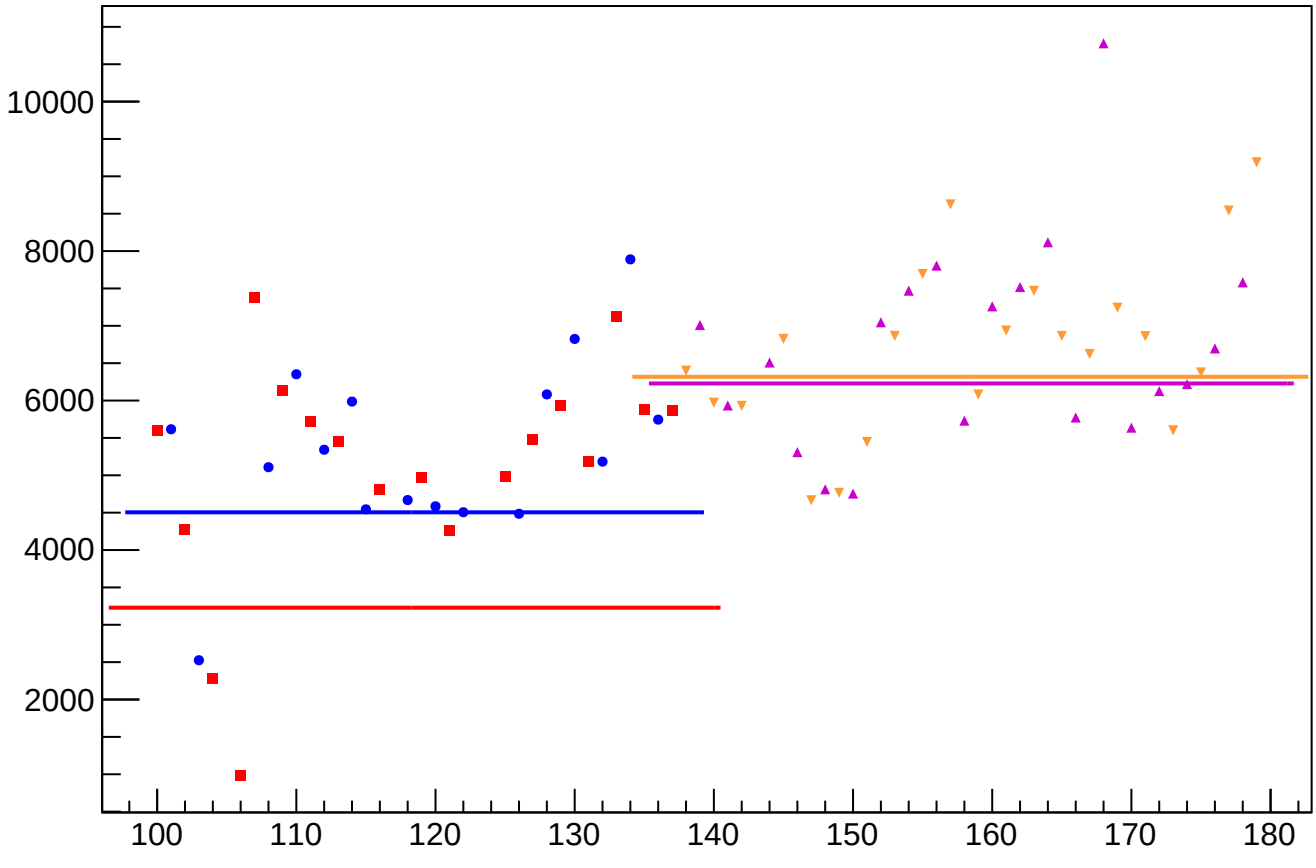
Left: 265.230+/-1115.595 χ^2/NDF: 38.7/40

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -87.820+/-1174.081 χ^2/NDF:26.7/35

Out: 6.776+/-1064.427 χ^2/NDF:41.8/38

All: -35.899+/-788.587 χ^2/NDF: 68.4/74



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6317.746+/-1.119 χ^2/NDF:1014857.7/20

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6228.716+/-1.112 χ^2/NDF:1084440.2/19

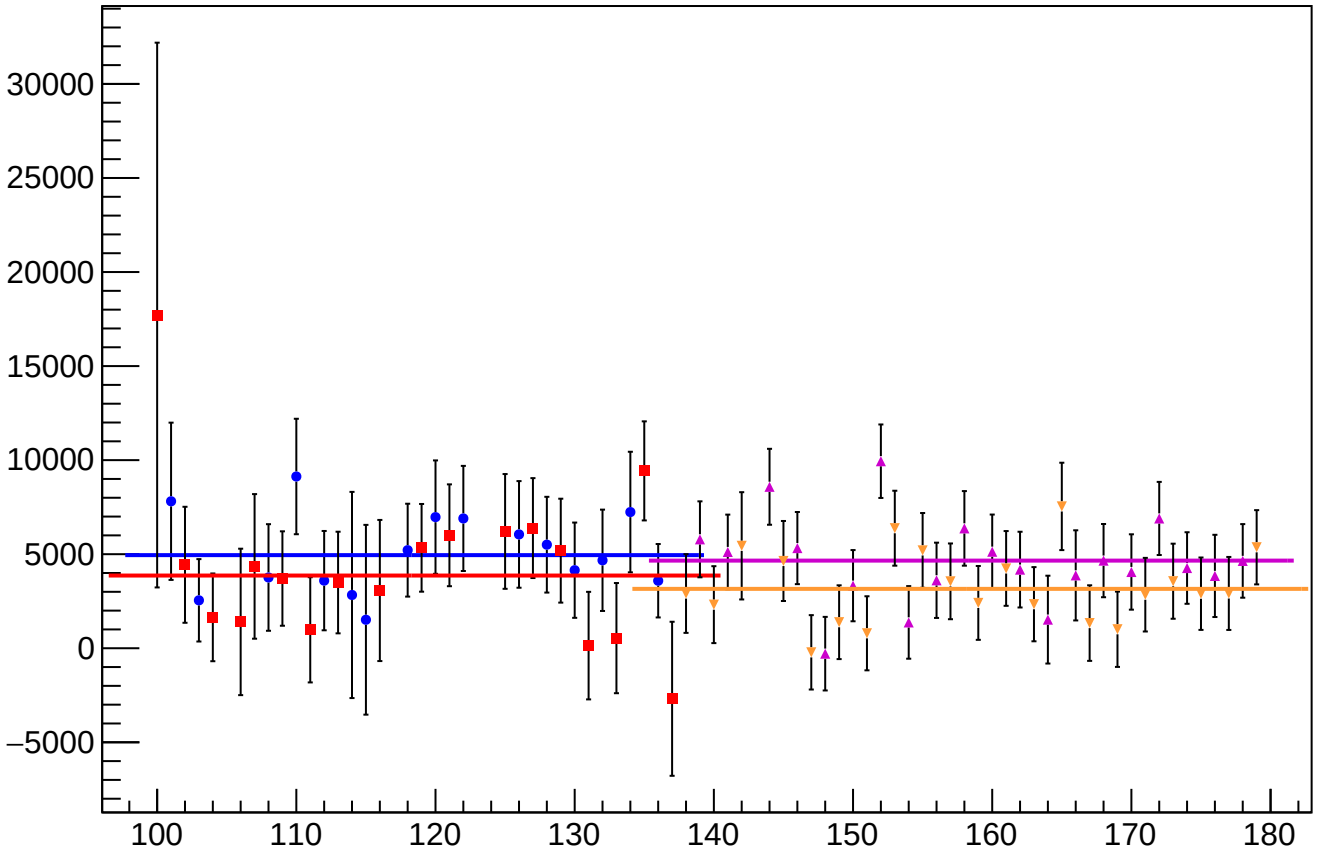
Left: 6272.966+/-0.789 χ^2/NDF: 2102482.2/40

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5465.181+/-0.830 χ^2/NDF:3469472.6/35

Out: 4626.369+/-0.753 χ^2/NDF:9144488.9/38

All: 5004.784+/-0.558 χ^2/NDF: 13174275.8/7



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.597+/-443.055 χ^2/NDF:17.7/20

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4658.687+/-448.248 χ^2/NDF:26.0/19

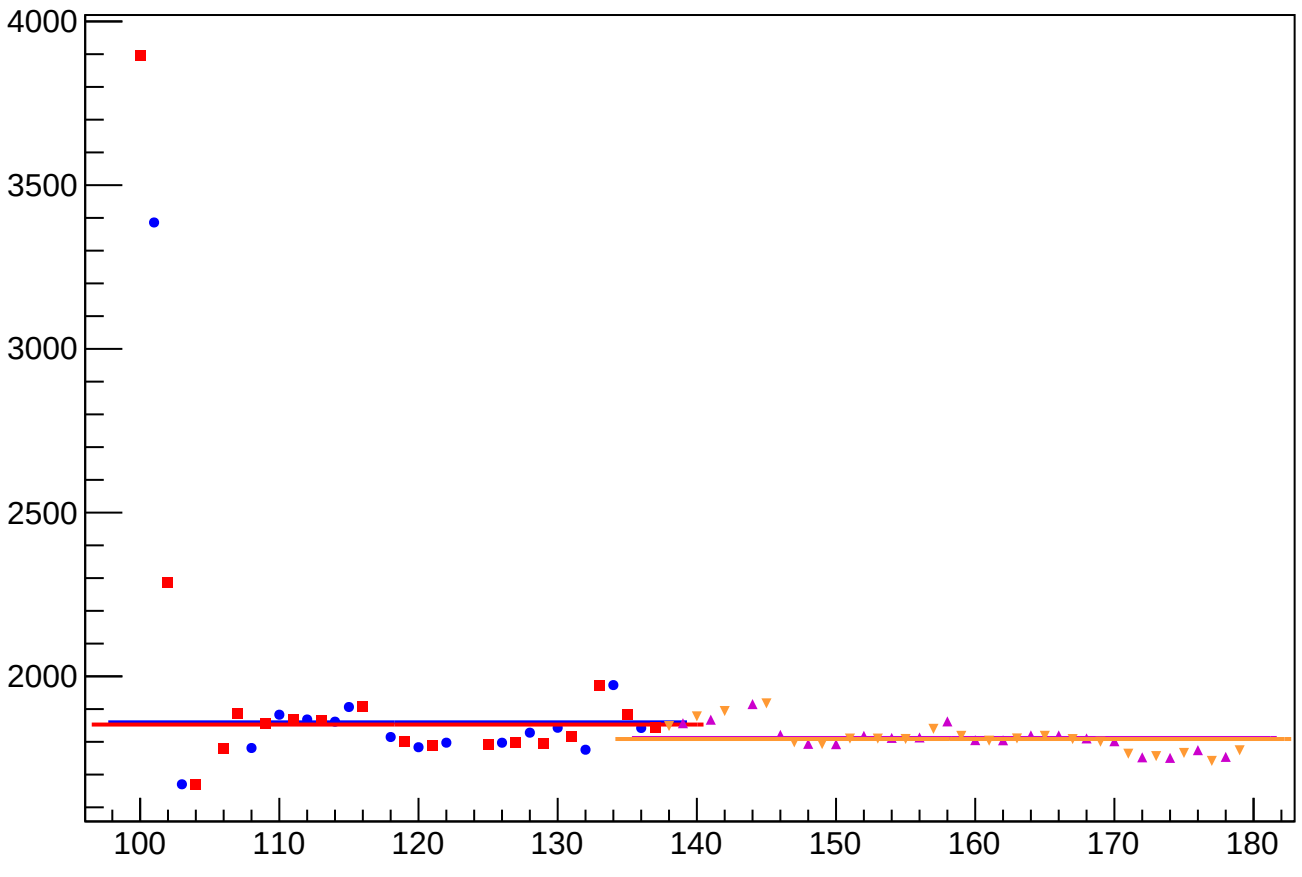
Left: 3898.891+/-315.107 χ^2/NDF: 49.4/40

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4743.538+/-377.319 χ^2/NDF:33.0/35

Out: 3360.951+/-373.719 χ^2/NDF:34.6/38

All: 4045.619+/-265.523 χ^2/NDF: 74.4/74



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

Left: 1810.163+/-0.223 χ^2/NDF: 33174.0/40

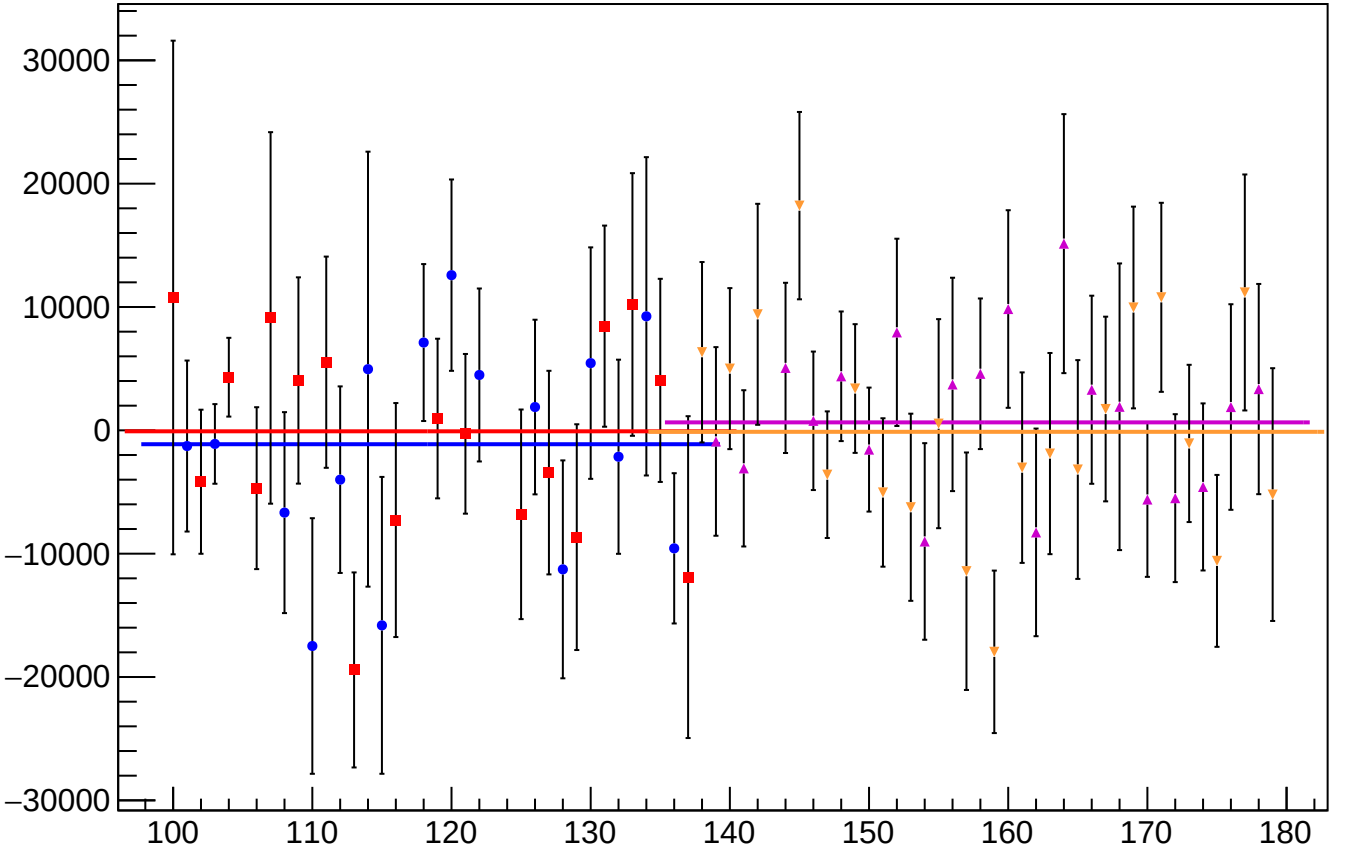
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1825.669+/-0.267 χ^2/NDF:314878.9/35

Out: 1821.401+/-0.264 χ^2/NDF:124703.0/38

All: 1823.513+/-0.188 χ^2/NDF: 439711.2/74

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -119.693+/-1582.404 χ^2/NDF:27.1/20

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 645.662+/-1573.016 χ^2/NDF:11.4/19

Left: 265.261+/-1115.595 χ^2/NDF: 38.7/40

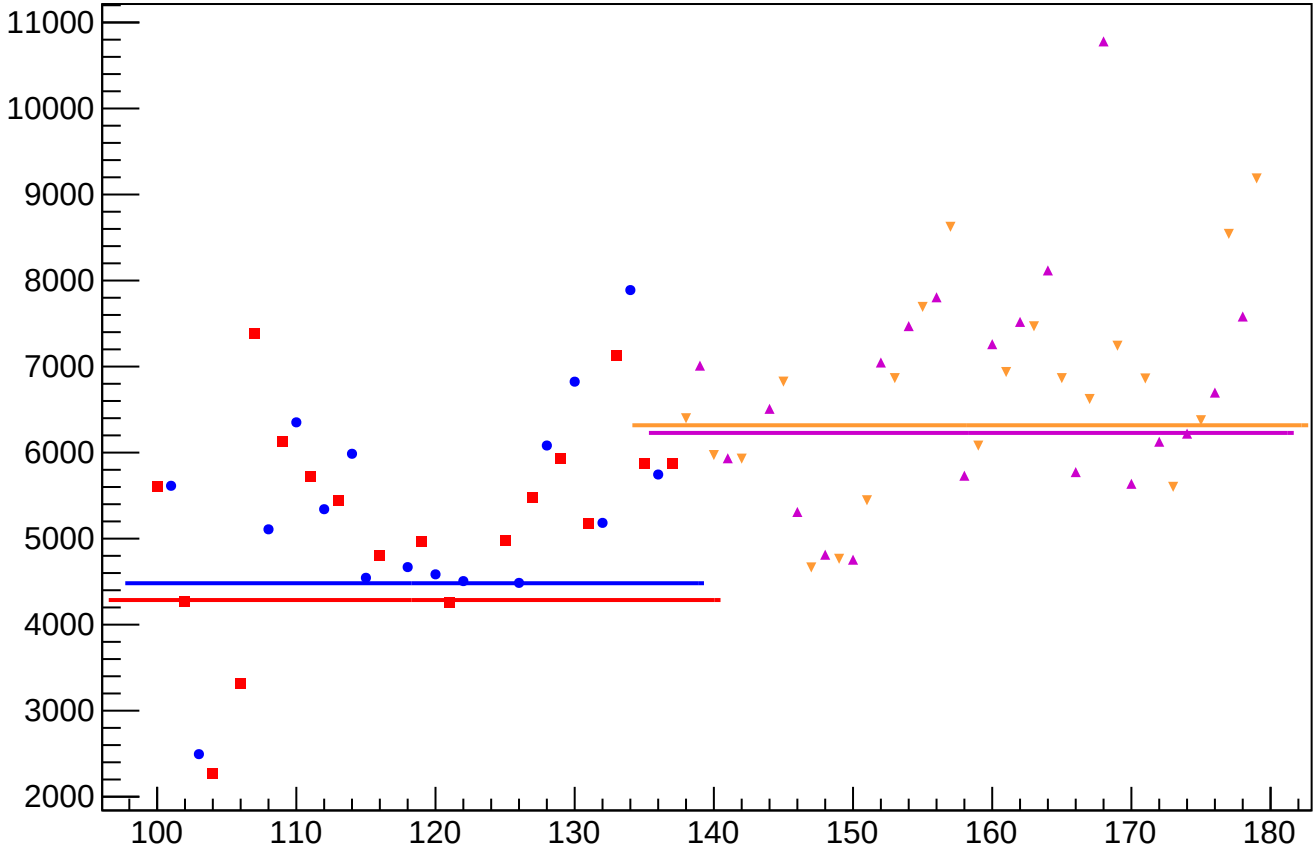
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -141.953+/-1172.217 χ^2/NDF:26.7/35

Out: -100.494+/-1159.045 χ^2/NDF:42.7/38

All: -120.989+/-824.186 χ^2/NDF: 69.4/74

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6317.742+/-1.119 χ^2/NDF:1014868.7/20

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

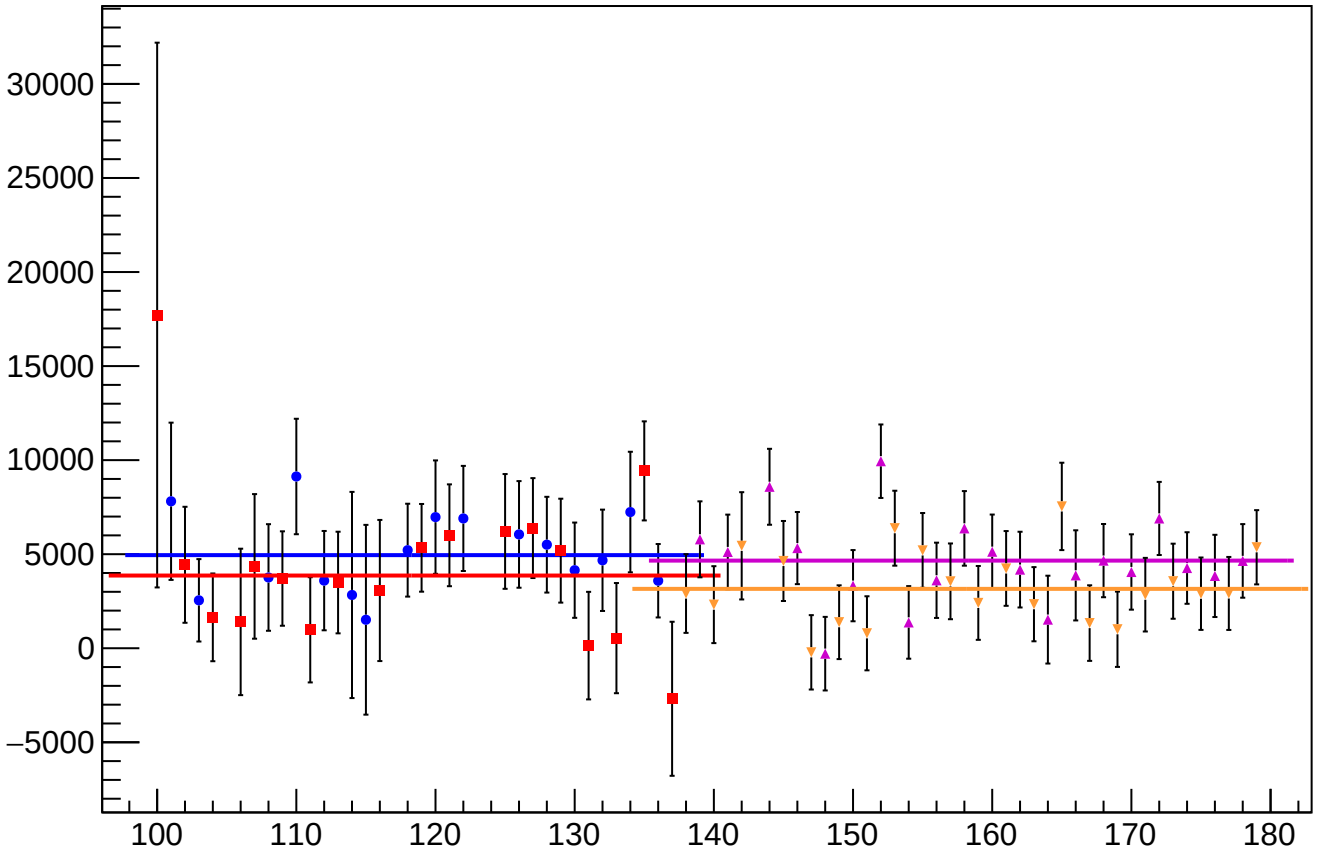
Left: 6272.964+/-0.789 χ^2/NDF: 2102501.0/40

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5451.787+/-0.829 χ^2/NDF:3543907.6/35

Out: 5376.076+/-0.820 χ^2/NDF:4092756.3/38

All: 5413.504+/-0.583 χ^2/NDF: 7640882.5/74



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3156.597+/-443.055 χ^2/NDF:17.7/20

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4658.687+/-448.248 χ^2/NDF:26.0/19

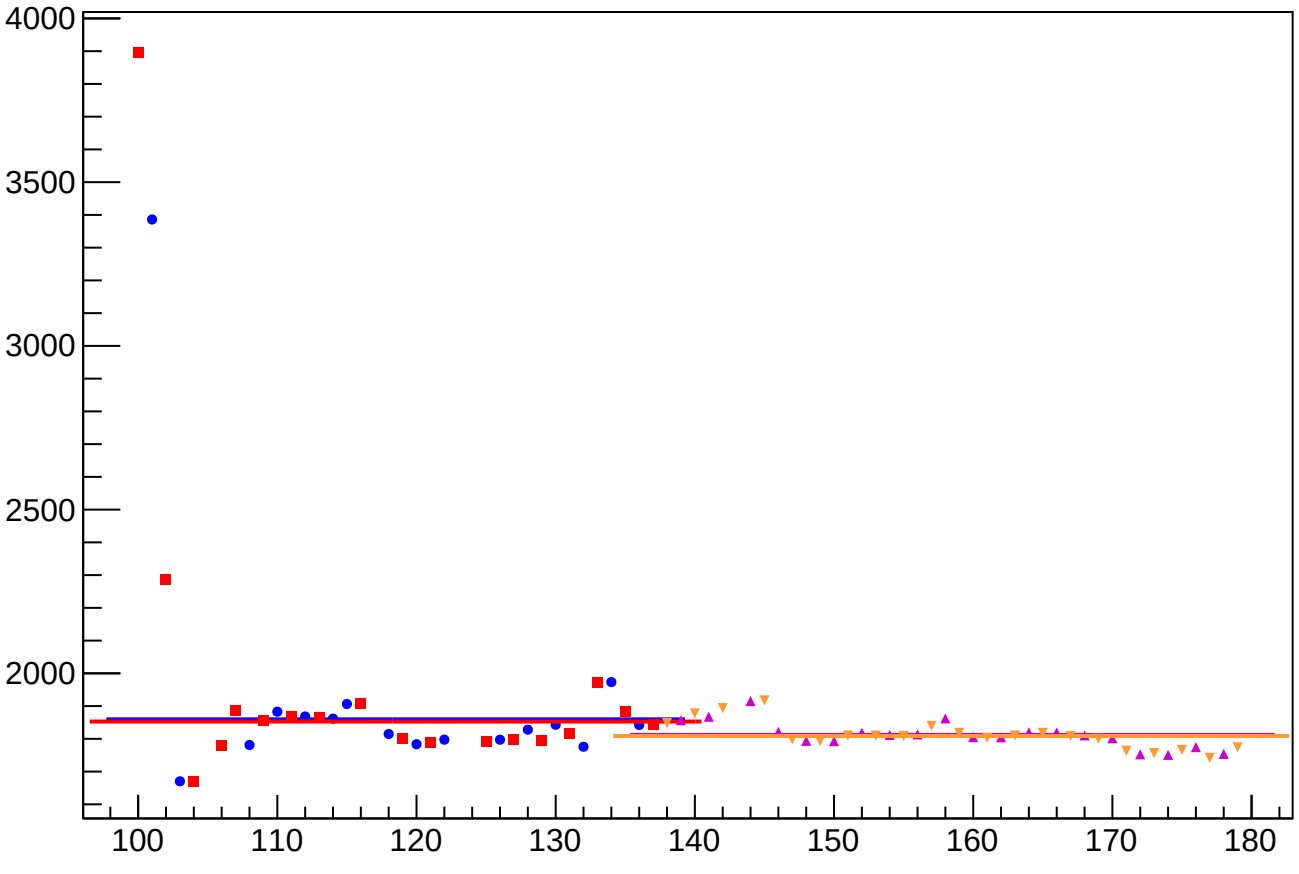
Left: 3898.891+/-315.107 χ^2/NDF: 49.4/40

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4743.538+/-377.319 χ^2/NDF:33.0/35

Out: 3360.951+/-373.719 χ^2/NDF:34.6/38

All: 4045.619+/-265.523 χ^2/NDF: 74.4/74



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1808.612+/-0.313 χ^2/NDF:17198.7/20

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1811.751+/-0.317 χ^2/NDF:15925.8/19

Left: 1810.163+/-0.223 χ^2/NDF: 33174.0/40

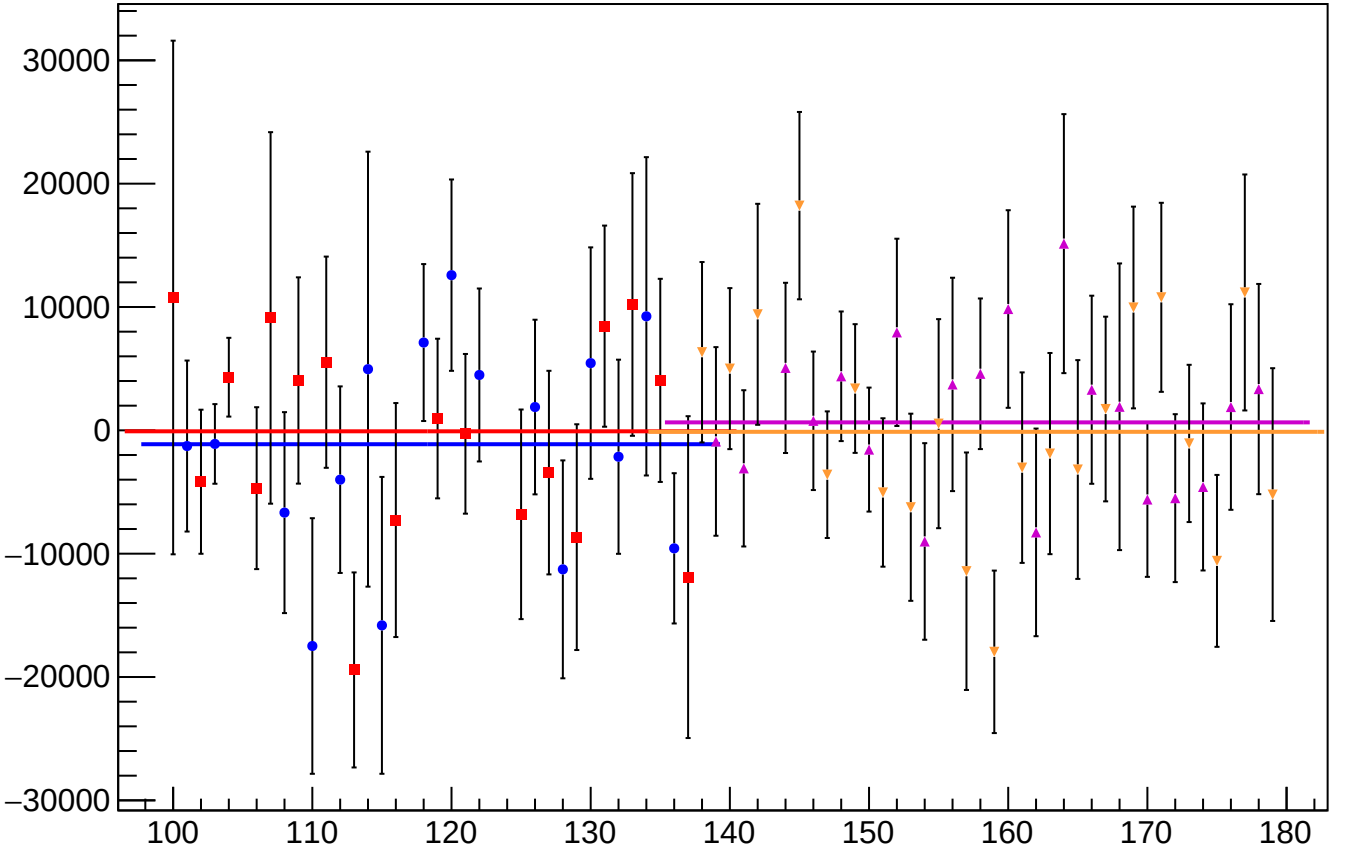
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1825.669+/-0.267 χ^2/NDF:314878.9/35

Out: 1821.401+/-0.264 χ^2/NDF:124703.0/38

All: 1823.513+/-0.188 χ^2/NDF: 439711.2/74

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -119.693+/-1582.404 χ^2/NDF:27.1/20

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 645.662+/-1573.016 χ^2/NDF:11.4/19

Left: 265.261+/-1115.595 χ^2/NDF: 38.7/40

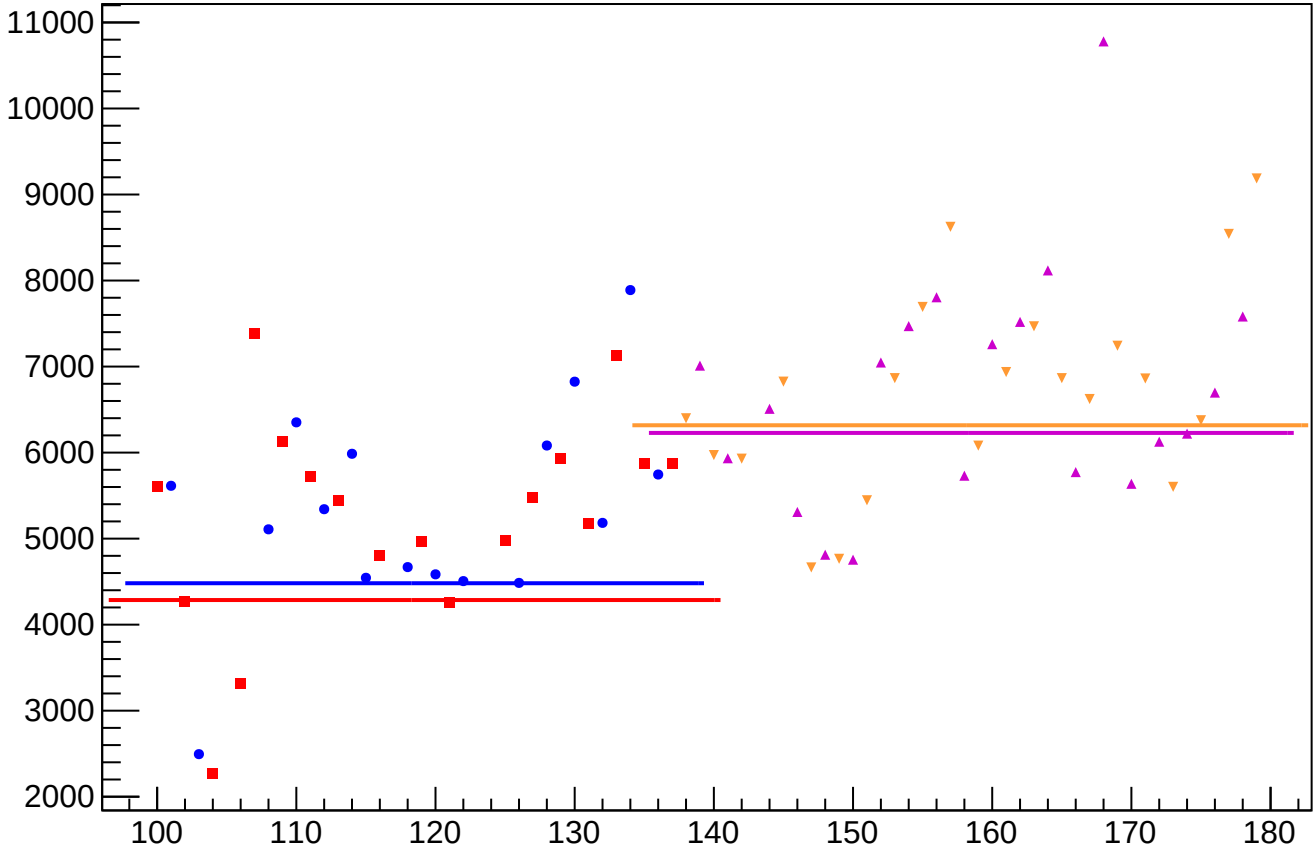
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -141.953+/-1172.217 χ^2/NDF:26.7/35

Out: -100.494+/-1159.045 χ^2/NDF:42.7/38

All: -120.989+/-824.186 χ^2/NDF: 69.4/74

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6317.742+/-1.119 χ^2/NDF:1014868.7/20

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

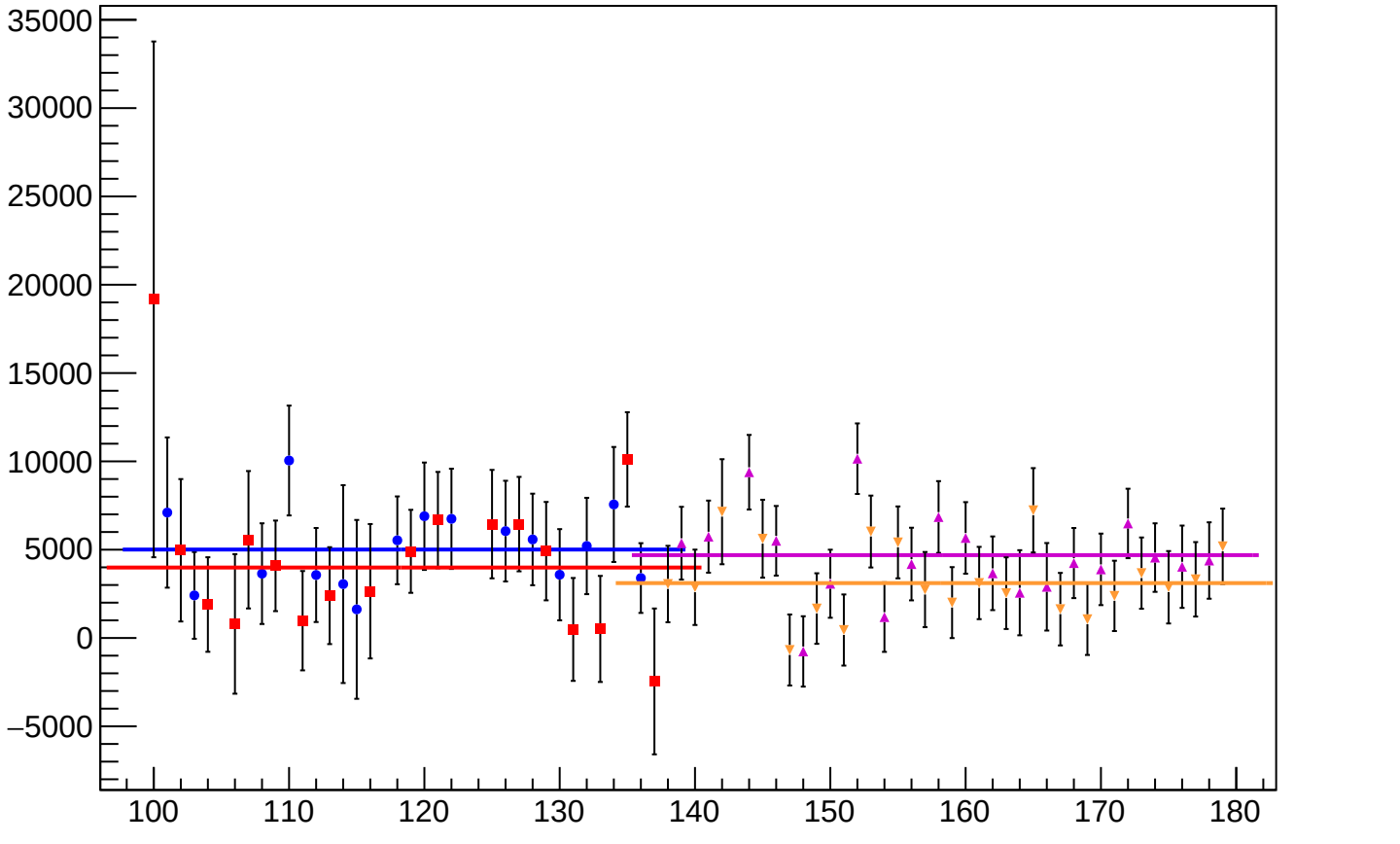
Left: 6272.964+/-0.789 χ^2/NDF: 2102501.0/40

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5451.787+/-0.829 χ^2/NDF:3543907.6/35

Out: 5376.076+/-0.820 χ^2/NDF:4092756.3/38

All: 5413.504+/-0.583 χ^2/NDF: 7640882.5/74



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3108.254+/-457.973 χ^2/NDF:18.4/20

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4691.766+/-461.523 χ^2/NDF:28.4/19

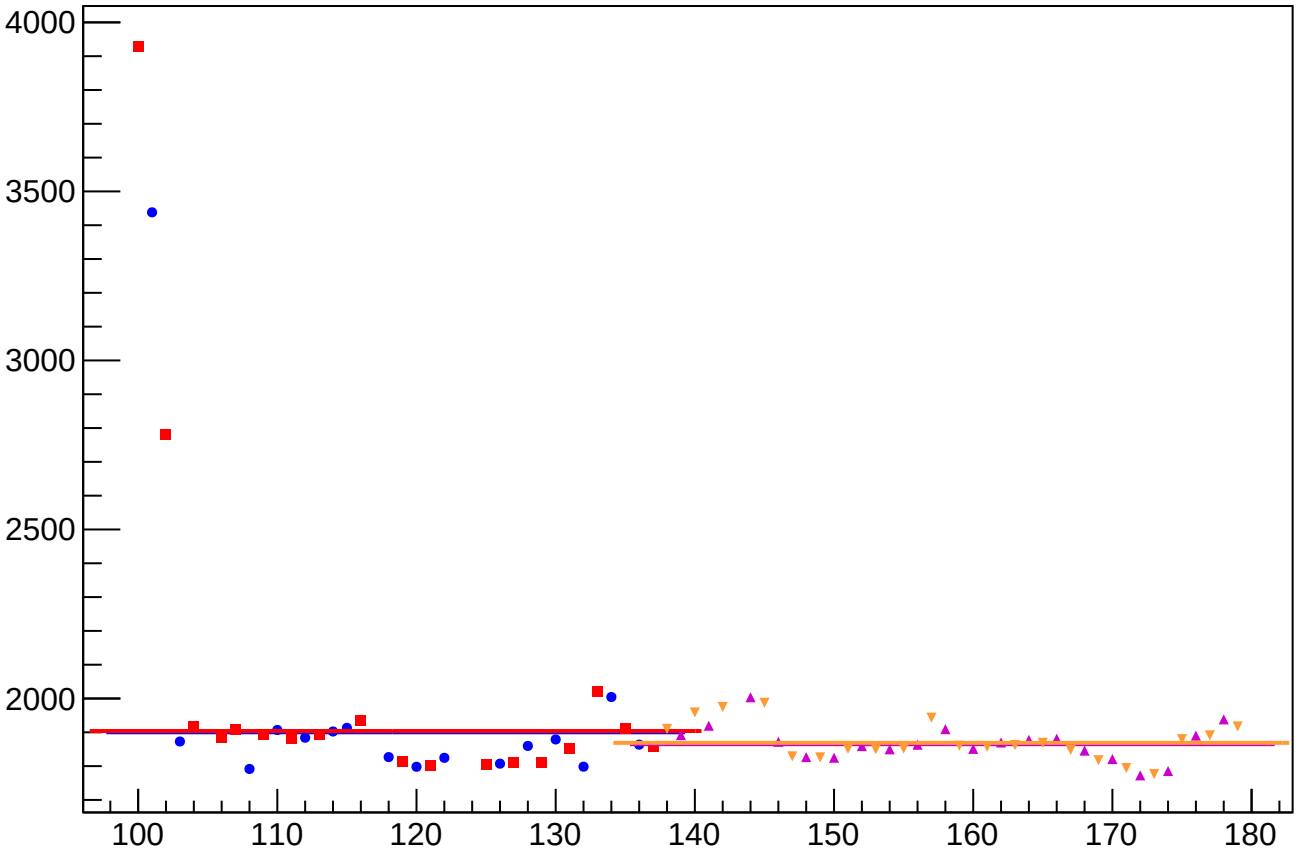
Left: 3893.897+/-325.083 χ^2/NDF: 52.8/40

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4784.745+/-387.609 χ^2/NDF:36.2/35

Out: 3362.497+/-386.274 χ^2/NDF:36.9/38

All: 4071.168+/-273.608 χ^2/NDF: 79.9/74



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1868.851+/-0.324 χ^2/NDF:27132.4/20

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1864.881+/-0.326 χ^2/NDF:24804.1/19

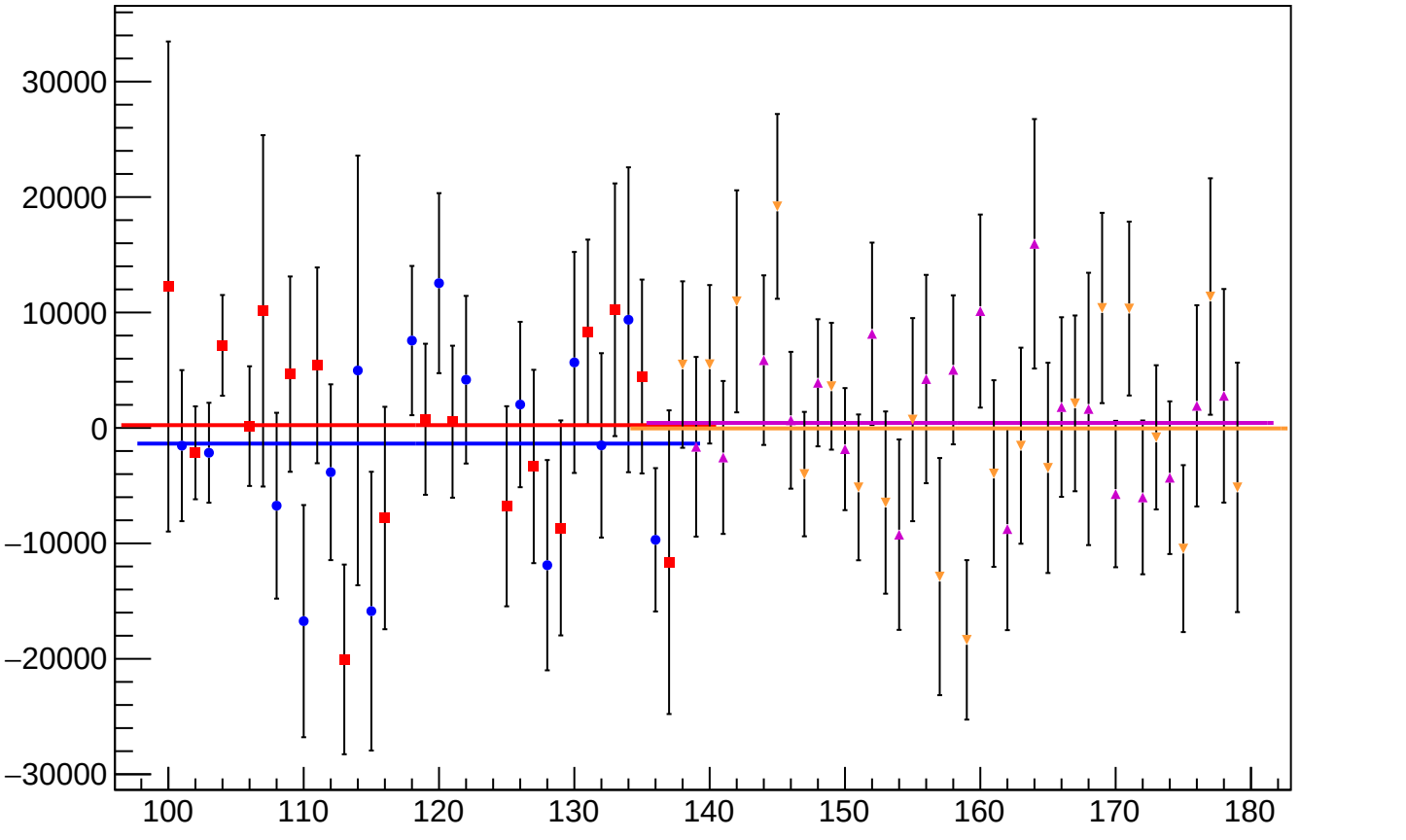
Left: 1866.881+/-0.230 χ^2/NDF: 52011.0/40

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1875.262+/-0.274 χ^2/NDF:306686.3/35

Out: 1878.961+/-0.273 χ^2/NDF:180620.1/38

All: 1877.118+/-0.193 χ^2/NDF: 487397.7/74



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -42.593+/-1638.101 χ^2/NDF:26.8/20

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 433.279+/-1629.168 χ^2/NDF:11.5/19

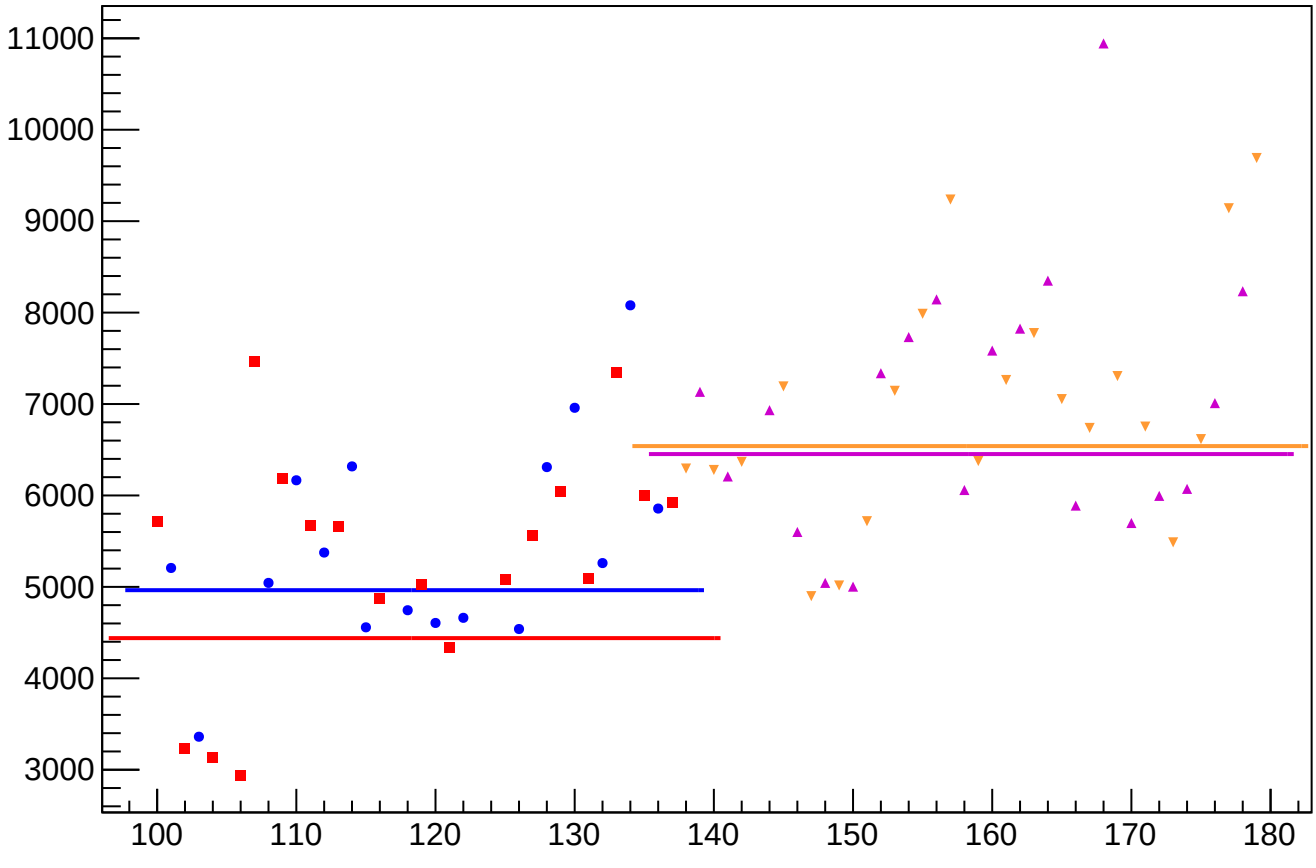
Left: 196.645+/-1155.141 χ^2/NDF: 38.3/40

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -326.961+/-1235.657 χ^2/NDF:26.7/35

Out: 92.968+/-1183.800 χ^2/NDF:42.5/38

All: -108.000+/-854.818 χ^2/NDF: 69.3/74



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6539.940+/-1.158 χ^2/NDF:1038585.3/20

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6452.649+/-1.152 χ^2/NDF:1074447.5/19

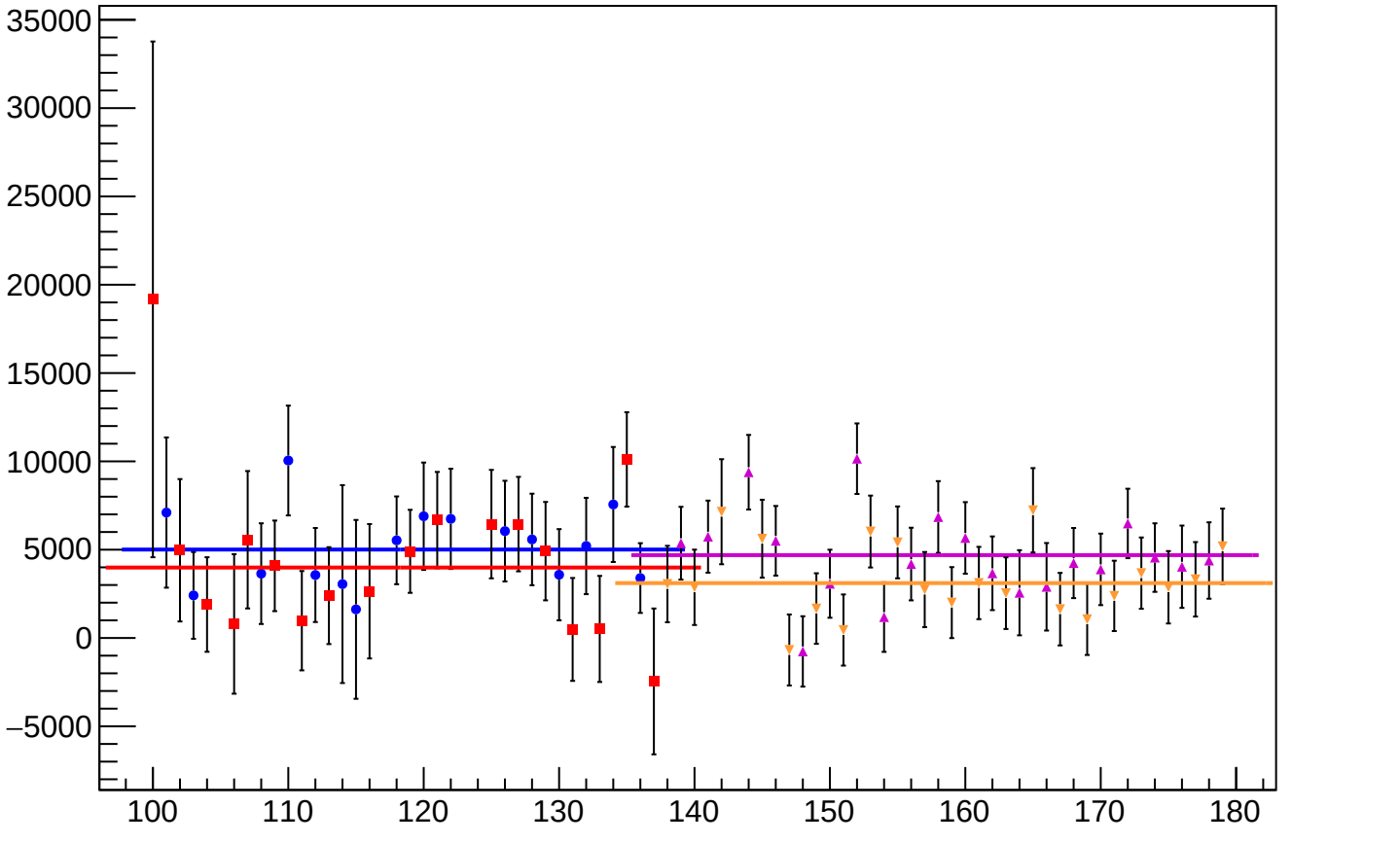
Left: 6496.056+/-0.817 χ^2/NDF: 2115887.9/40

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5820.359+/-0.874 χ^2/NDF:2411087.9/35

Out: 5536.531+/-0.837 χ^2/NDF:3767823.0/38

All: 5672.364+/-0.604 χ^2/NDF: 6233932.8/74



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3108.247+/-457.973 χ^2/NDF:18.4/20

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4691.770+/-461.523 χ^2/NDF:28.4/19

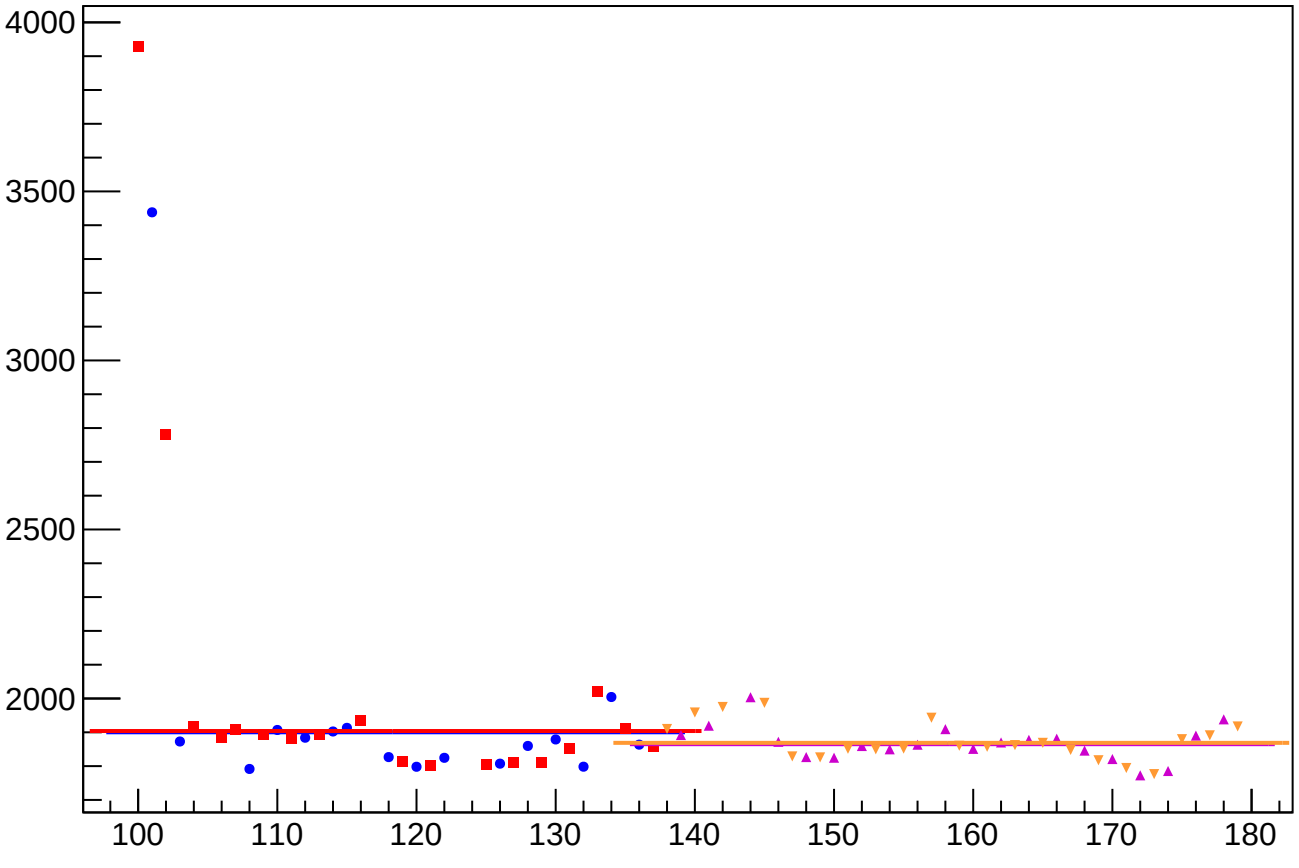
Left: 3893.895+/-325.084 χ^2/NDF: 52.8/40

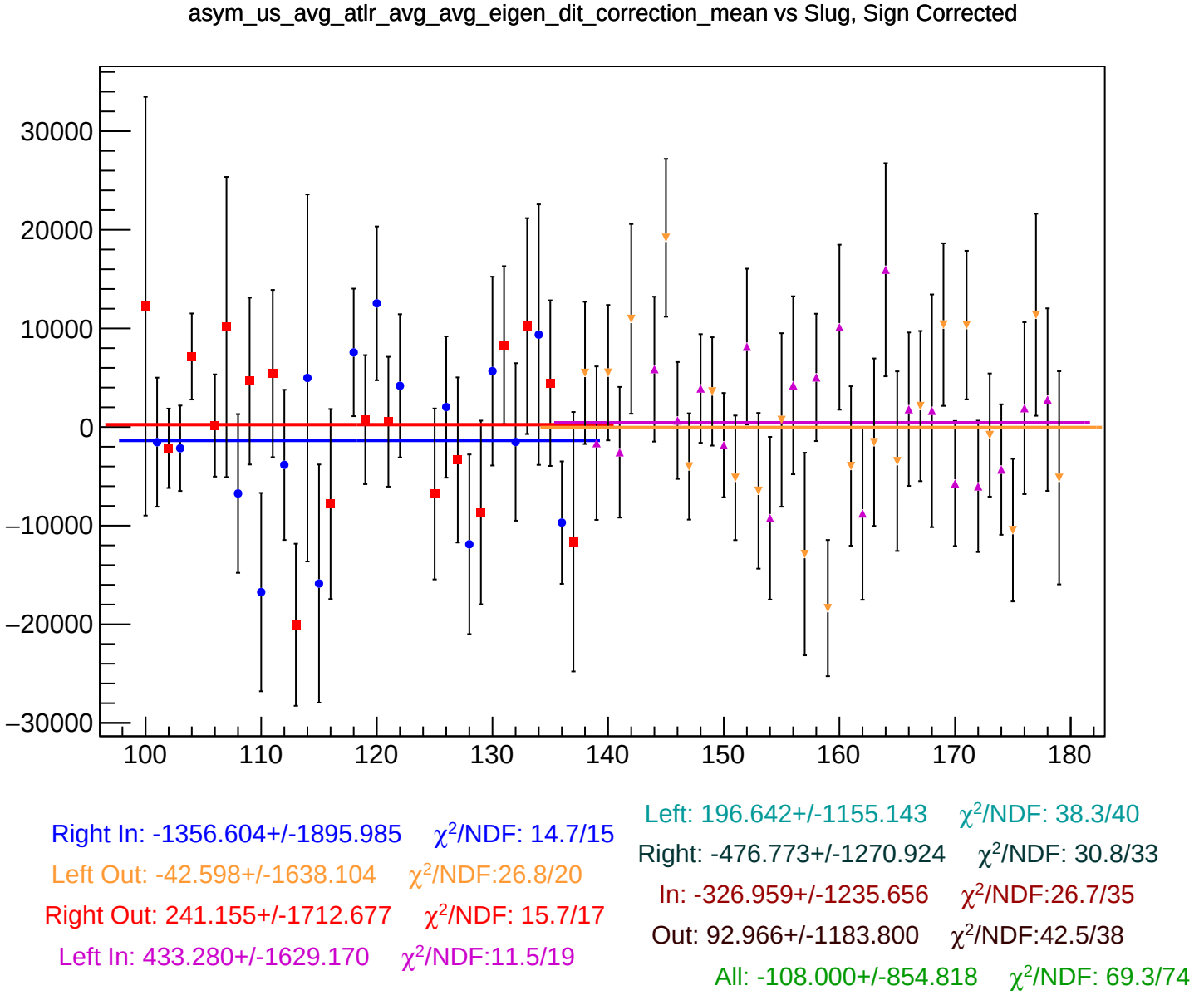
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4784.747+/-387.609 χ^2/NDF:36.2/35

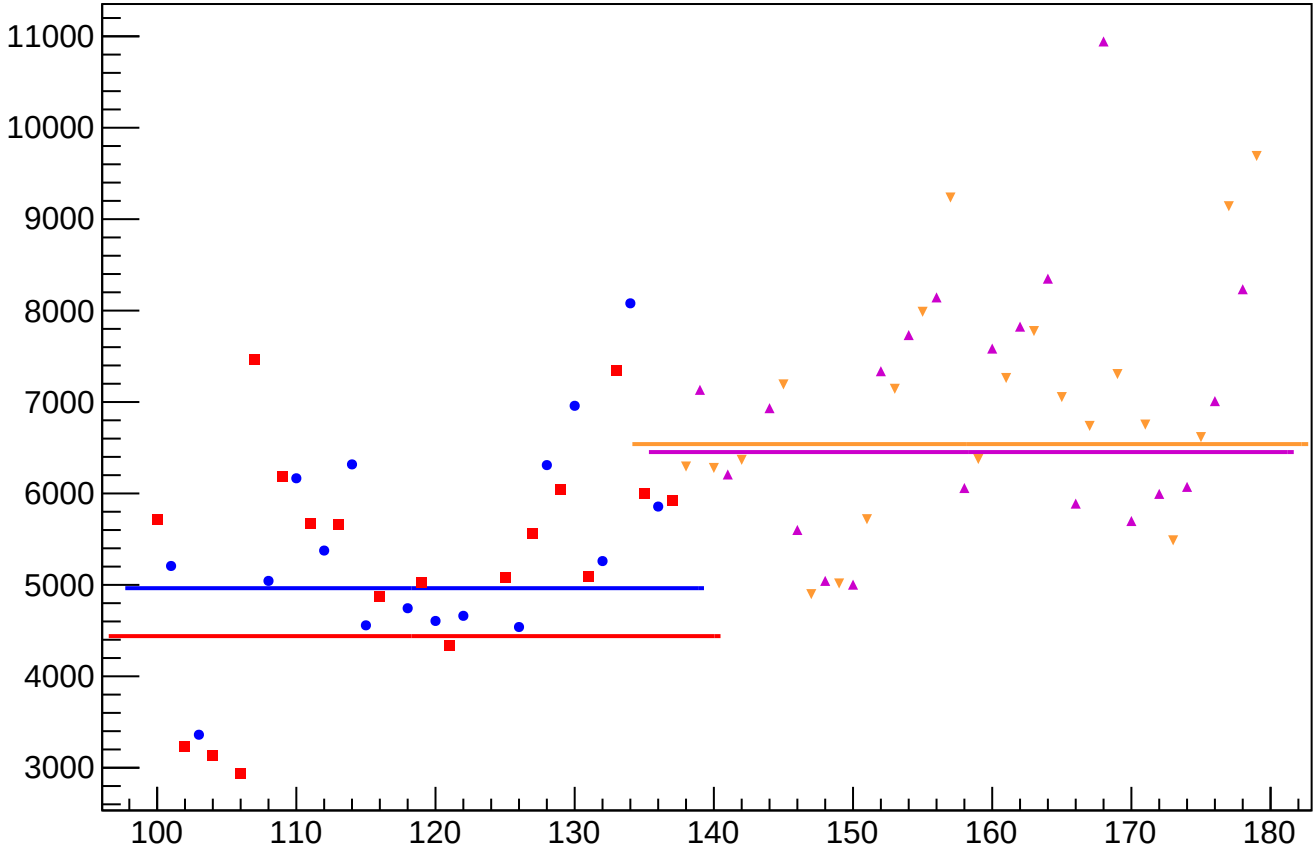
Out: 3362.493+/-386.274 χ^2/NDF:36.9/38

All: 4071.167+/-273.608 χ^2/NDF: 79.9/74


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1868.852+/-0.324 χ²/NDF:27133.5/20
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1864.882+/-0.326 χ²/NDF:24805.1/19
Left: 1866.883+/-0.230 χ²/NDF: 52013.1/40
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1875.263+/-0.274 χ²/NDF:306687.1/35
Out: 1878.961+/-0.273 χ²/NDF:180620.0/38
All: 1877.119+/-0.193 χ²/NDF: 487398.6/74


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -42.598+/-1638.104 χ²/NDF:26.8/20
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 433.280+/-1629.170 χ²/NDF:11.5/19
Left: 196.642+/-1155.143 χ²/NDF: 38.3/40
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -326.959+/-1235.656 χ²/NDF:26.7/35
Out: 92.966+/-1183.800 χ²/NDF:42.5/38
All: -108.000+/-854.818 χ²/NDF: 69.3/74

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6539.951+/-1.158 χ^2/NDF:1038587.8/20

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6452.659+/-1.152 χ^2/NDF:1074449.6/19

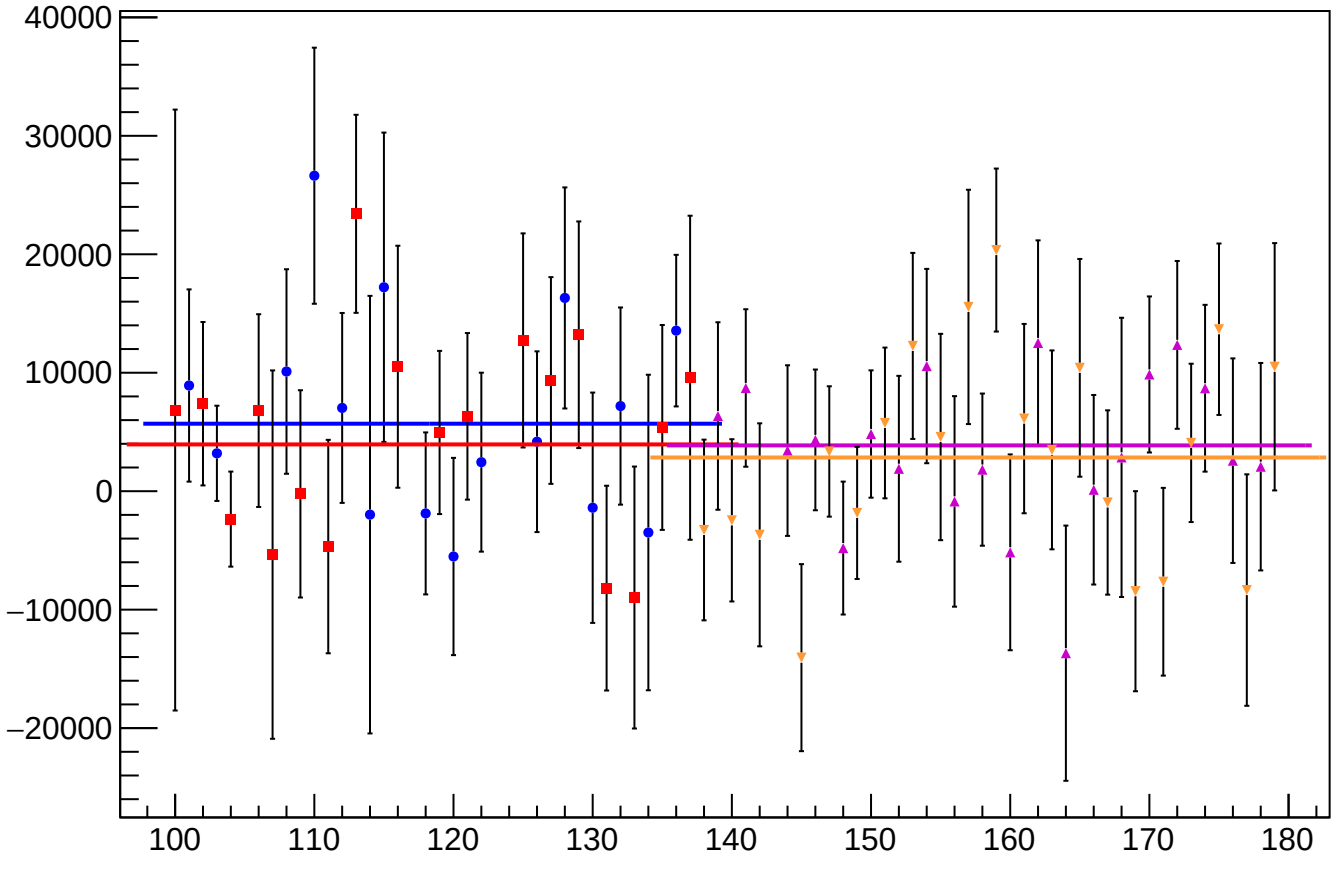
Left: 6496.066+/-0.817 χ^2/NDF: 2115892.6/40

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5820.356+/-0.874 χ^2/NDF:2411115.7/35

Out: 5536.527+/-0.837 χ^2/NDF:3767860.0/38

All: 5672.361+/-0.604 χ^2/NDF: 6233998.3/74



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2845.533+/-1653.544 χ^2/NDF:25.6/20

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3865.721+/-1644.792 χ^2/NDF:12.0/19

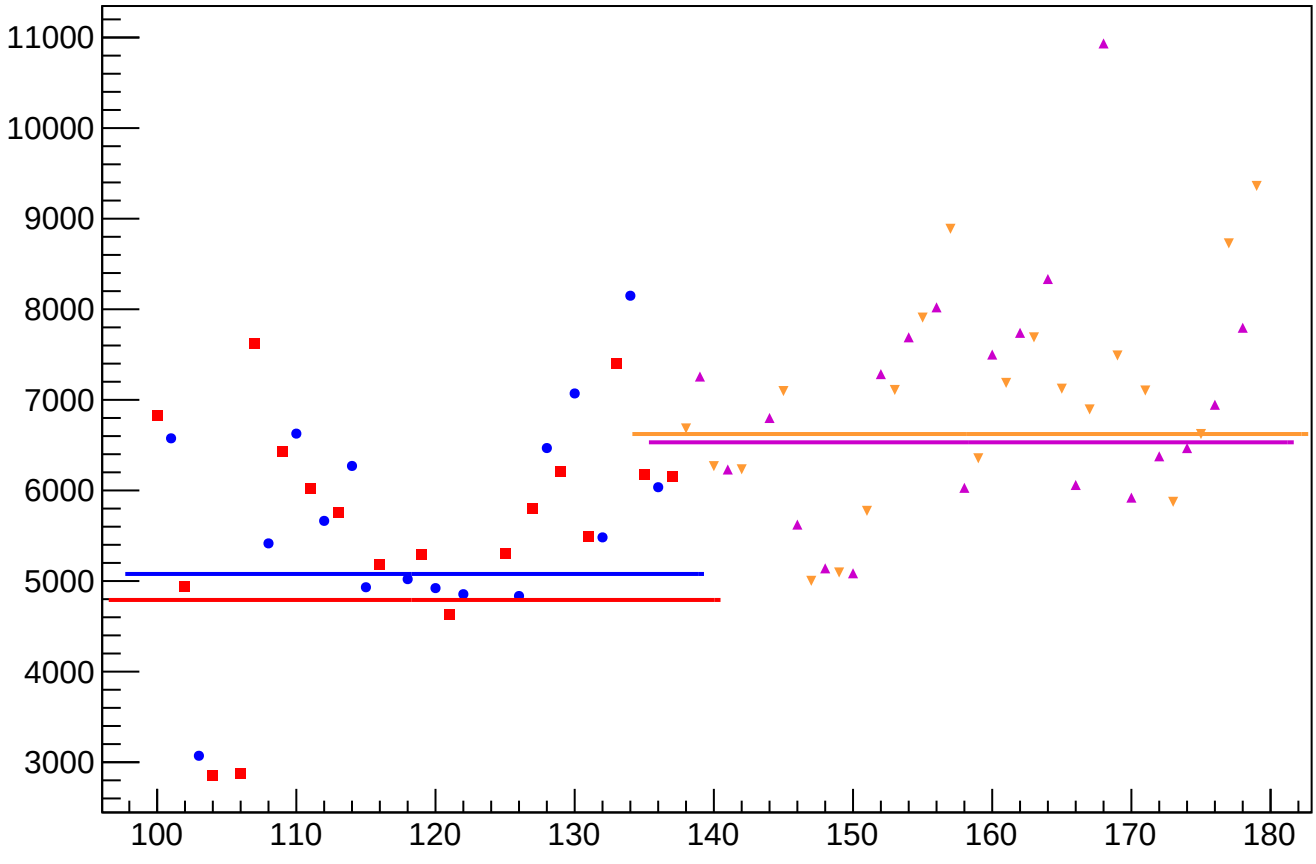
Left: 3358.334+/-1166.126 χ^2/NDF: 37.8/40

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4622.892+/-1259.725 χ^2/NDF:25.2/35

Out: 3315.447+/-1253.098 χ^2/NDF:41.9/38

All: 3965.721+/-888.408 χ^2/NDF: 67.6/74



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6622.927+/-1.169 χ^2/NDF:869044.9/20

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6531.329+/-1.163 χ^2/NDF:938076.7/19

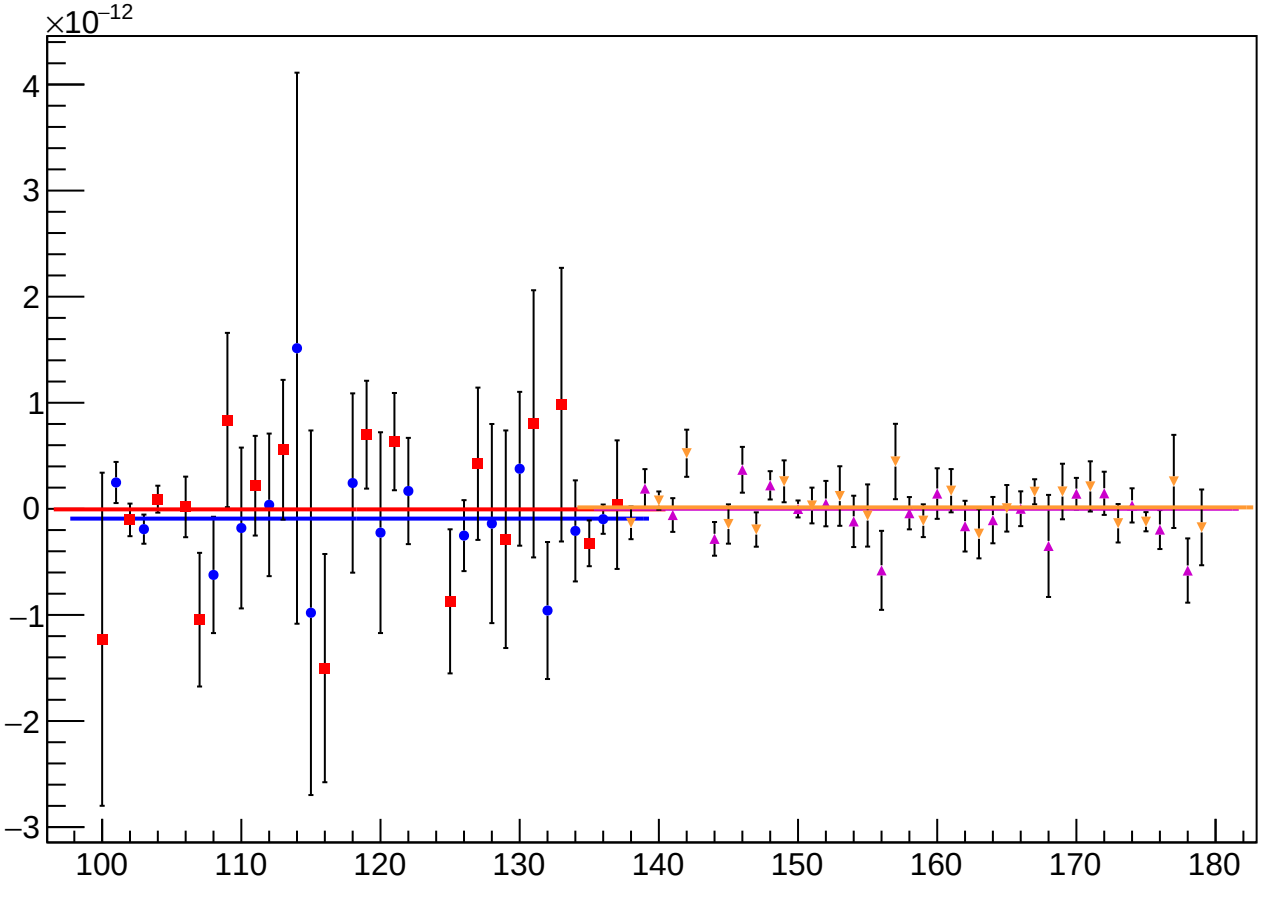
Left: 6576.885+/-0.825 χ^2/NDF: 1810206.6/40

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5930.552+/-0.891 χ^2/NDF:2502700.6/35

Out: 5824.864+/-0.878 χ^2/NDF:3100818.4/38

All: 5876.967+/-0.625 χ^2/NDF: 5610656.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:20.7/19

Left: 0.000+/-0.000 χ^2/NDF: 41.7/40

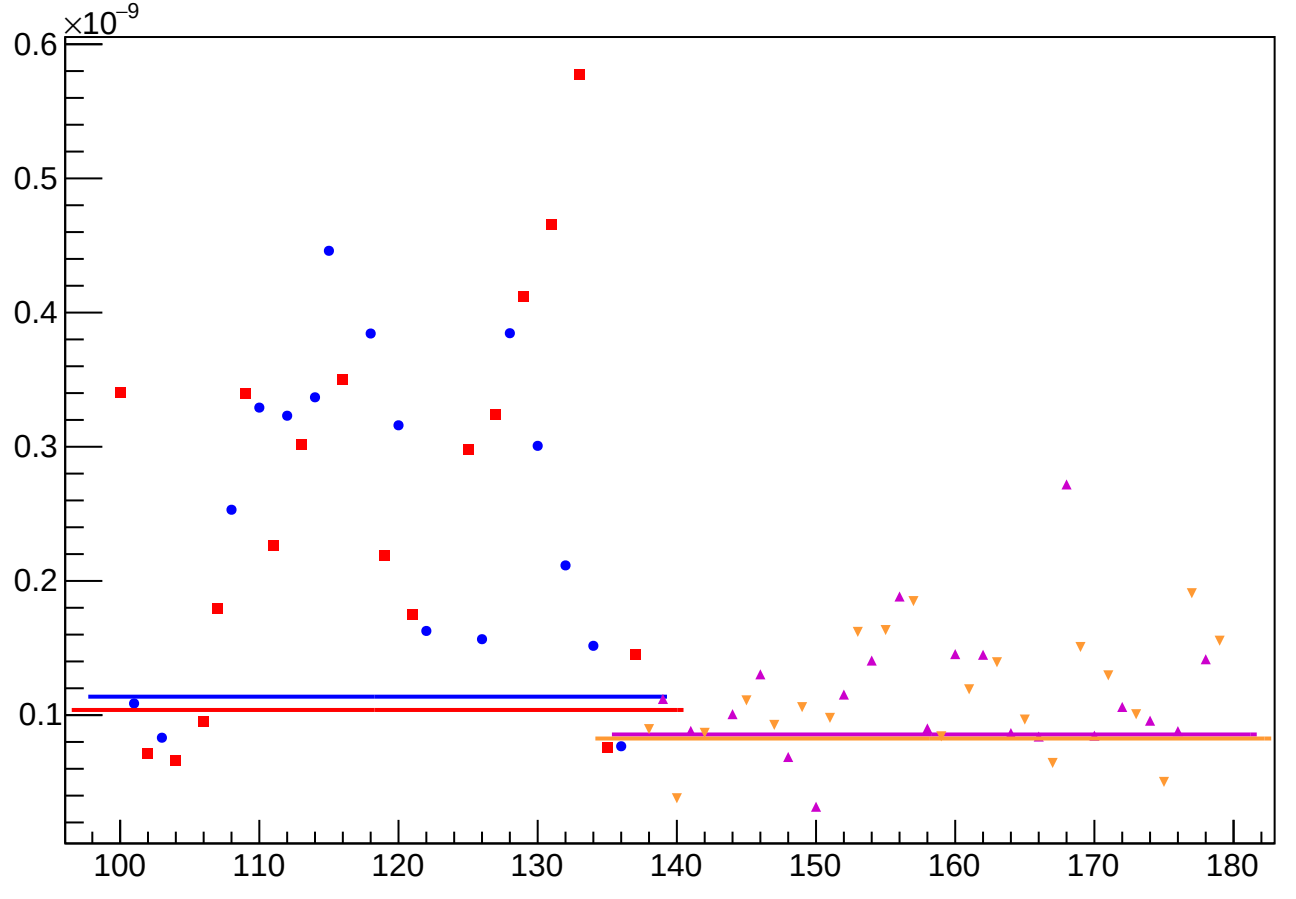
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:30.1/35

Out: 0.000+/-0.000 χ^2/NDF:38.3/38

All: -0.000+/-0.000 χ^2/NDF: 68.7/74

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2057884.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2031650.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4095938.6/40

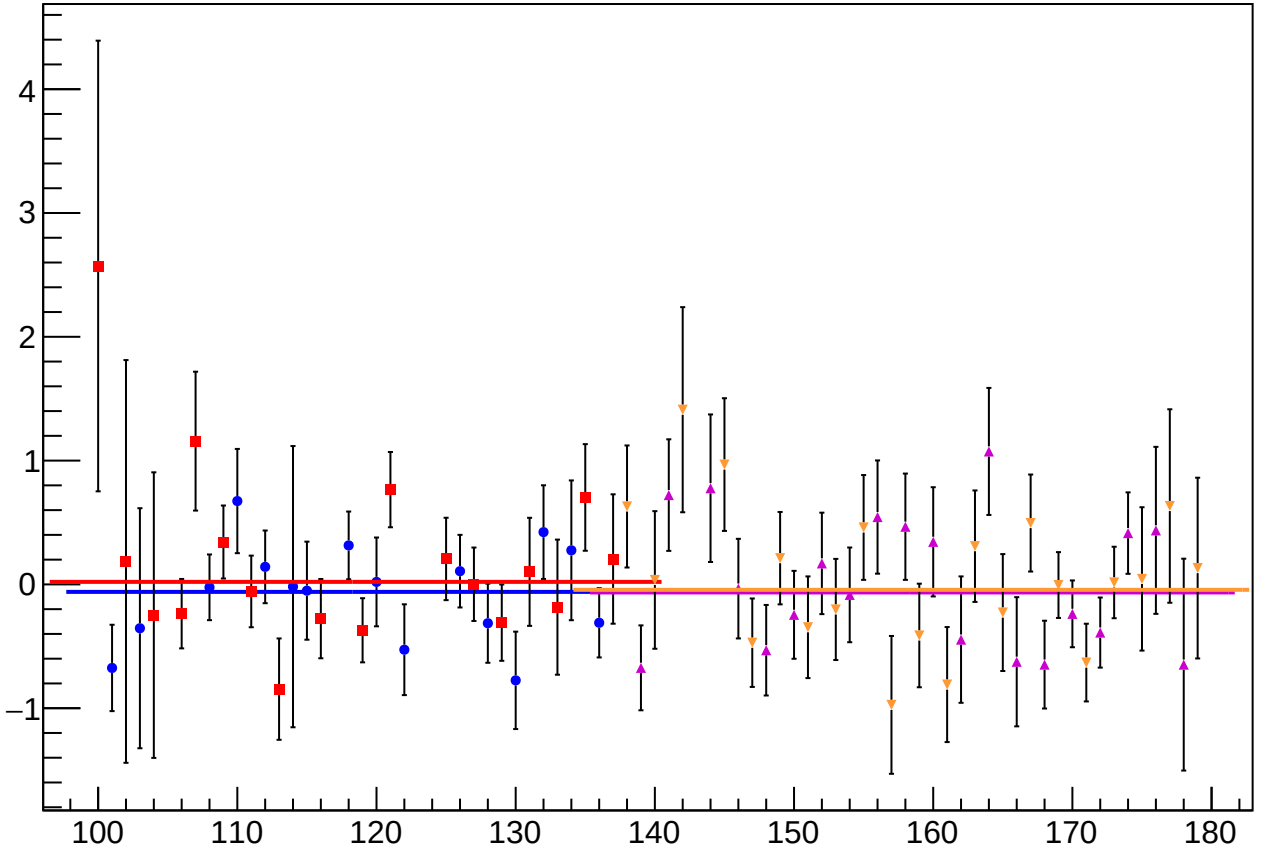
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3767400.9/35

Out: 0.000+/-0.000 χ^2/NDF:4269224.0/38

All: 0.000+/-0.000 χ^2/NDF: 8054791.6/74

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.065+/-0.090 χ^2/NDF:28.8/19

Left: -0.055+/-0.064 χ^2/NDF: 54.7/40

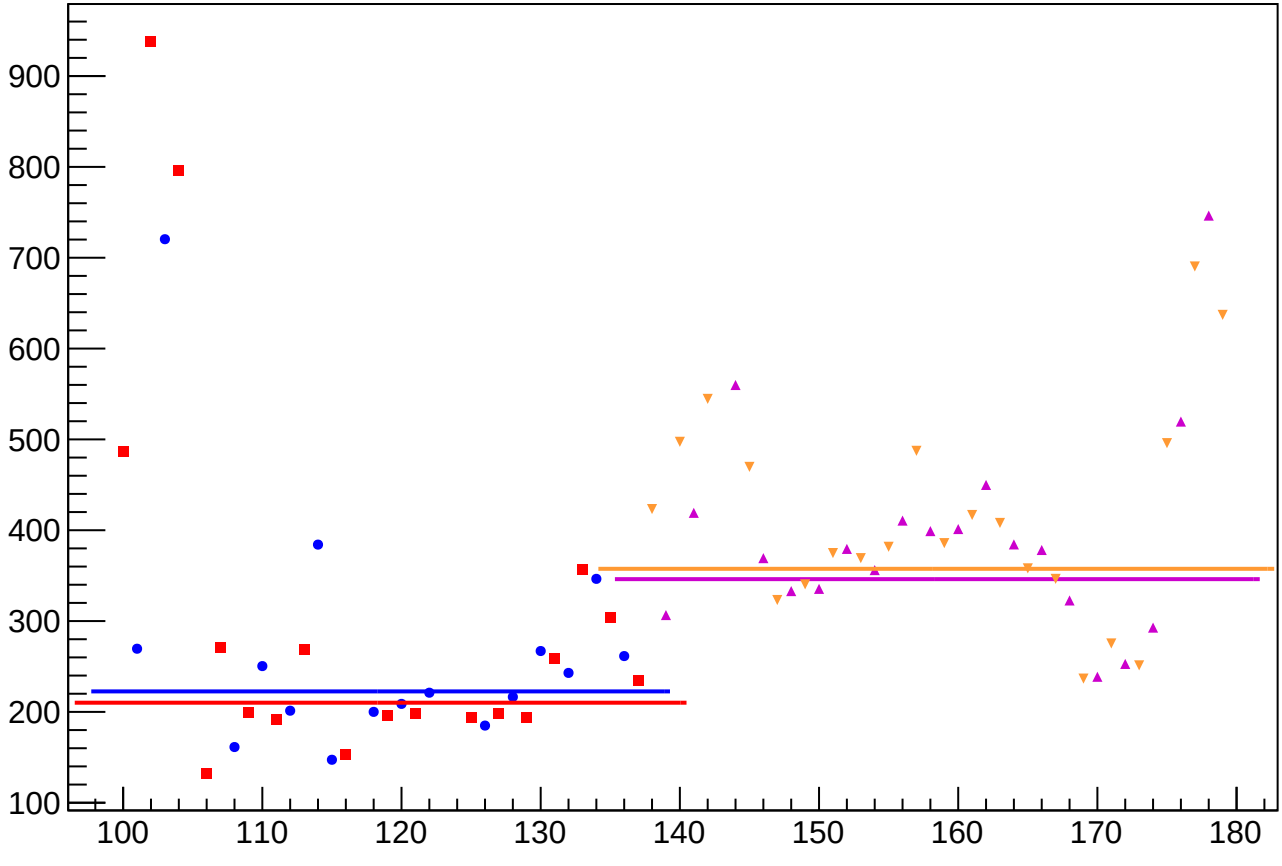
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.036+/-0.045 χ^2/NDF: 98.7/74

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 357.533+/-0.065 χ^2/NDF:2155831.2/20

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 346.152+/-0.063 χ^2/NDF:1730434.0/19

Left: 351.674+/-0.046 χ^2/NDF: 3901884.4/40

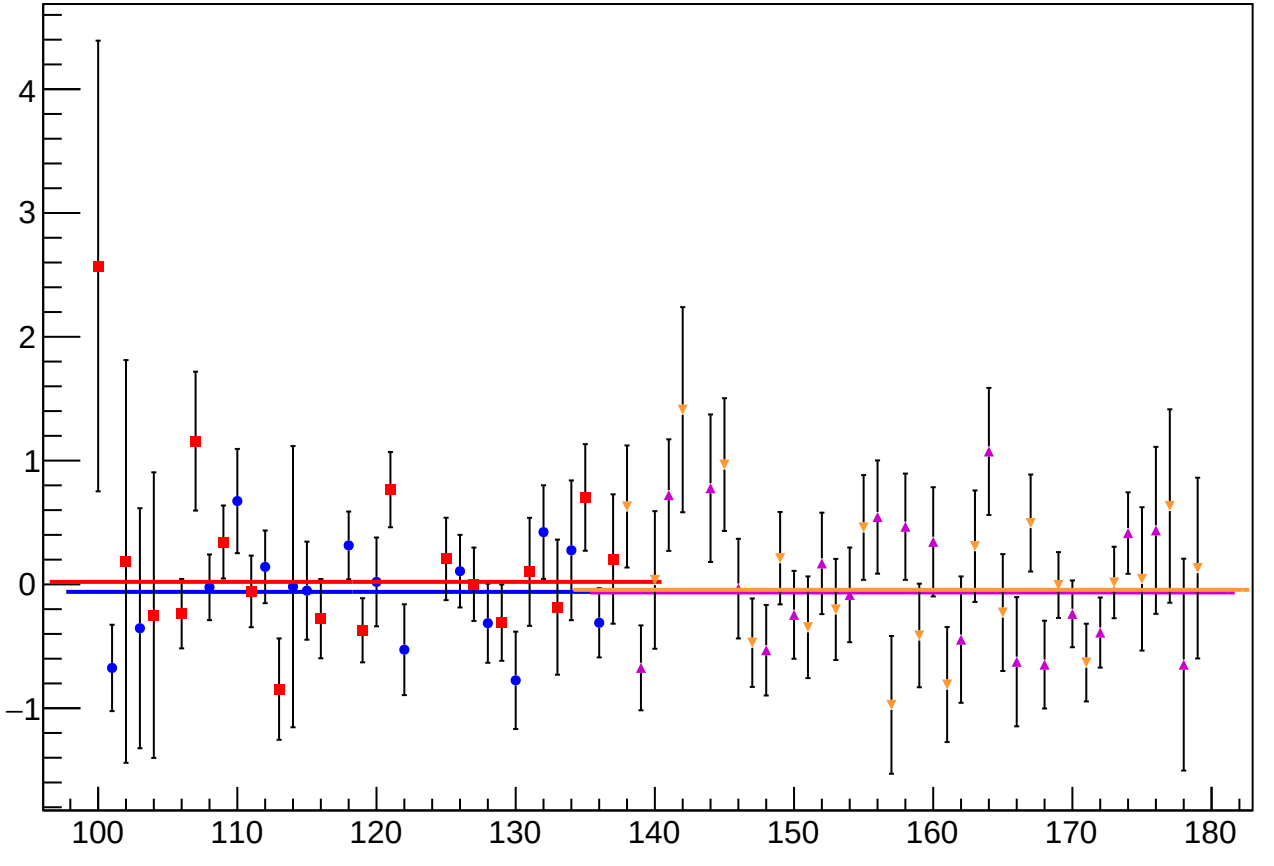
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 283.632+/-0.045 χ^2/NDF:4669368.2/35

Out: 279.756+/-0.045 χ^2/NDF:6390071.3/38

All: 281.708+/-0.032 χ^2/NDF: 11063191.2/74

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.065+/-0.090 χ^2/NDF:28.8/19

Left: -0.055+/-0.064 χ^2/NDF: 54.7/40

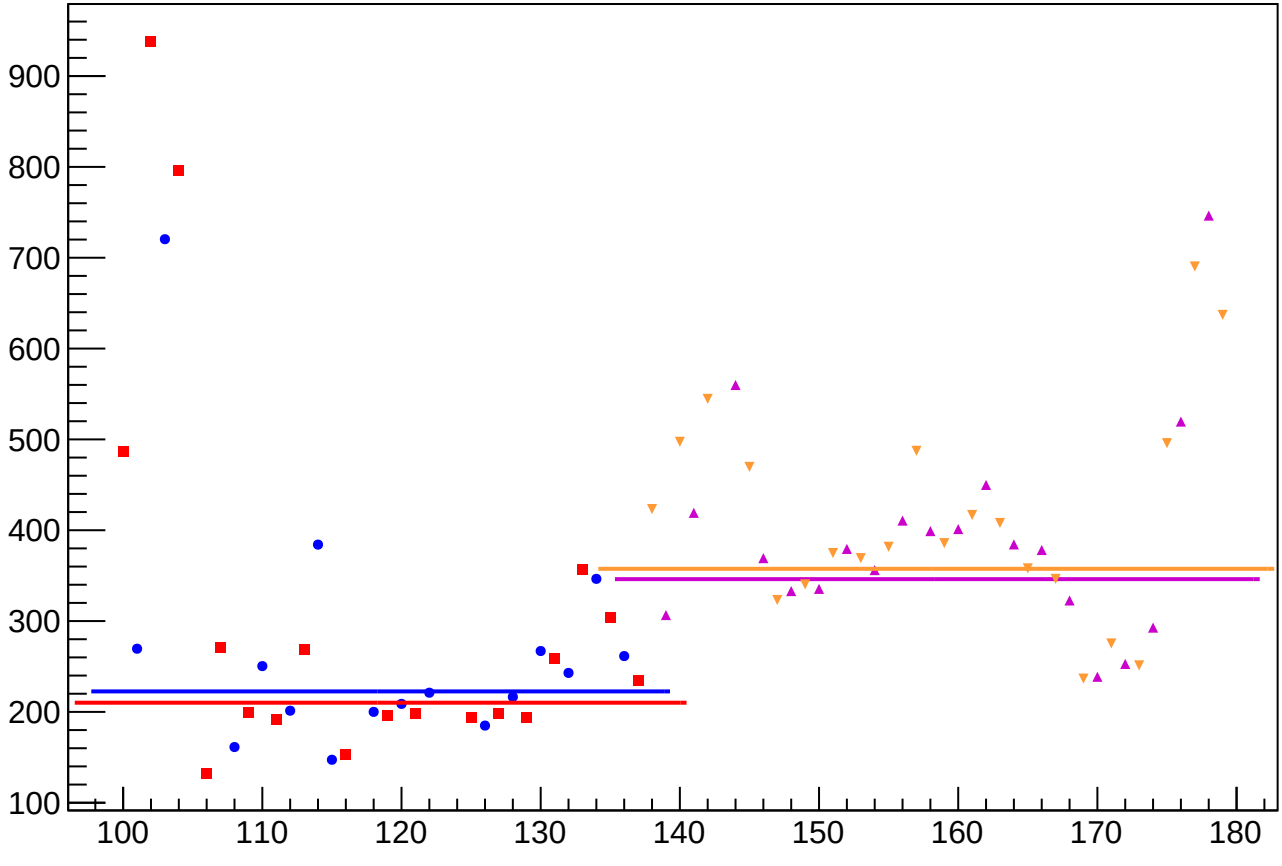
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.036+/-0.045 χ^2/NDF: 98.7/74

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 357.533+/-0.065 χ^2/NDF:2155831.2/20

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 346.152+/-0.063 χ^2/NDF:1730434.0/19

Left: 351.674+/-0.046 χ^2/NDF: 3901884.4/40

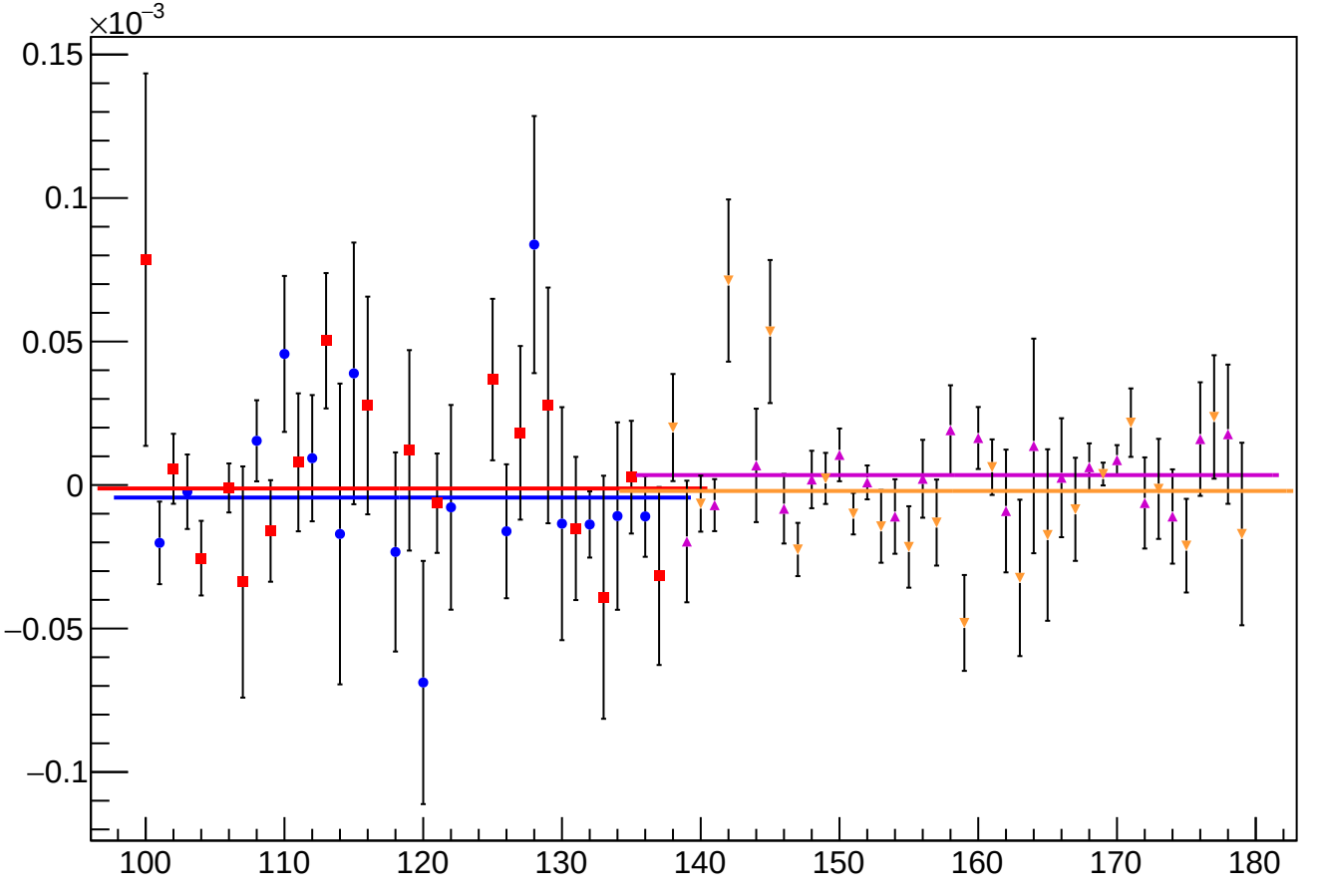
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 283.632+/-0.045 χ^2/NDF:4669368.2/35

Out: 279.756+/-0.045 χ^2/NDF:6390071.3/38

All: 281.708+/-0.032 χ^2/NDF: 11063191.2/74

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:11.4/19

Left: 0.000+/-0.000 χ^2/NDF: 56.1/40

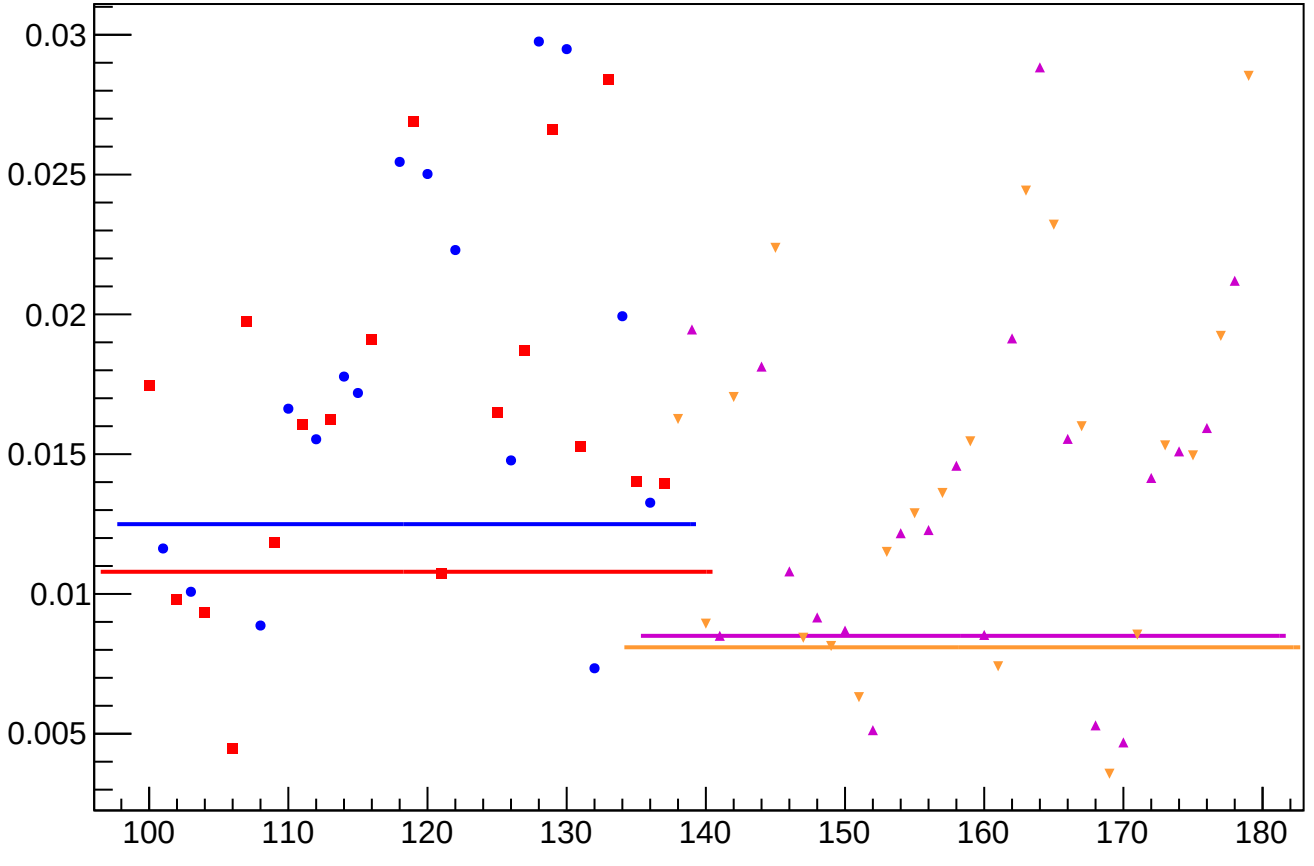
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:29.0/35

Out: -0.000+/-0.000 χ^2/NDF:59.4/38

All: -0.000+/-0.000 χ^2/NDF: 89.9/74

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:8690959.1/20

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6447158.9/19

Left: 0.008+/-0.000 χ^2/NDF: 15166813.6/40

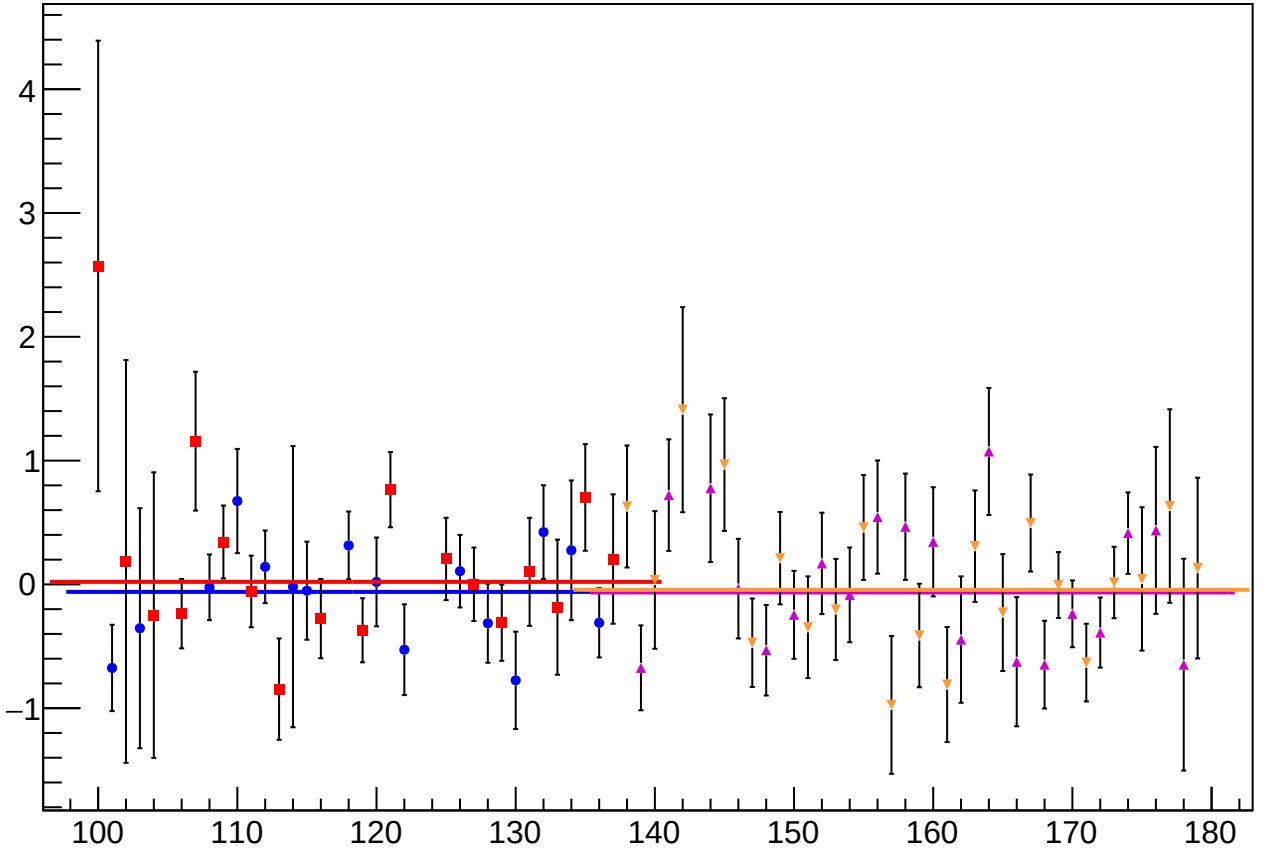
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9563531.7/35

Out: 0.009+/-0.000 χ^2/NDF:12224684.3/38

All: 0.009+/-0.000 χ^2/NDF: 21861793.2/74

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.065+/-0.090 χ^2/NDF:28.8/19

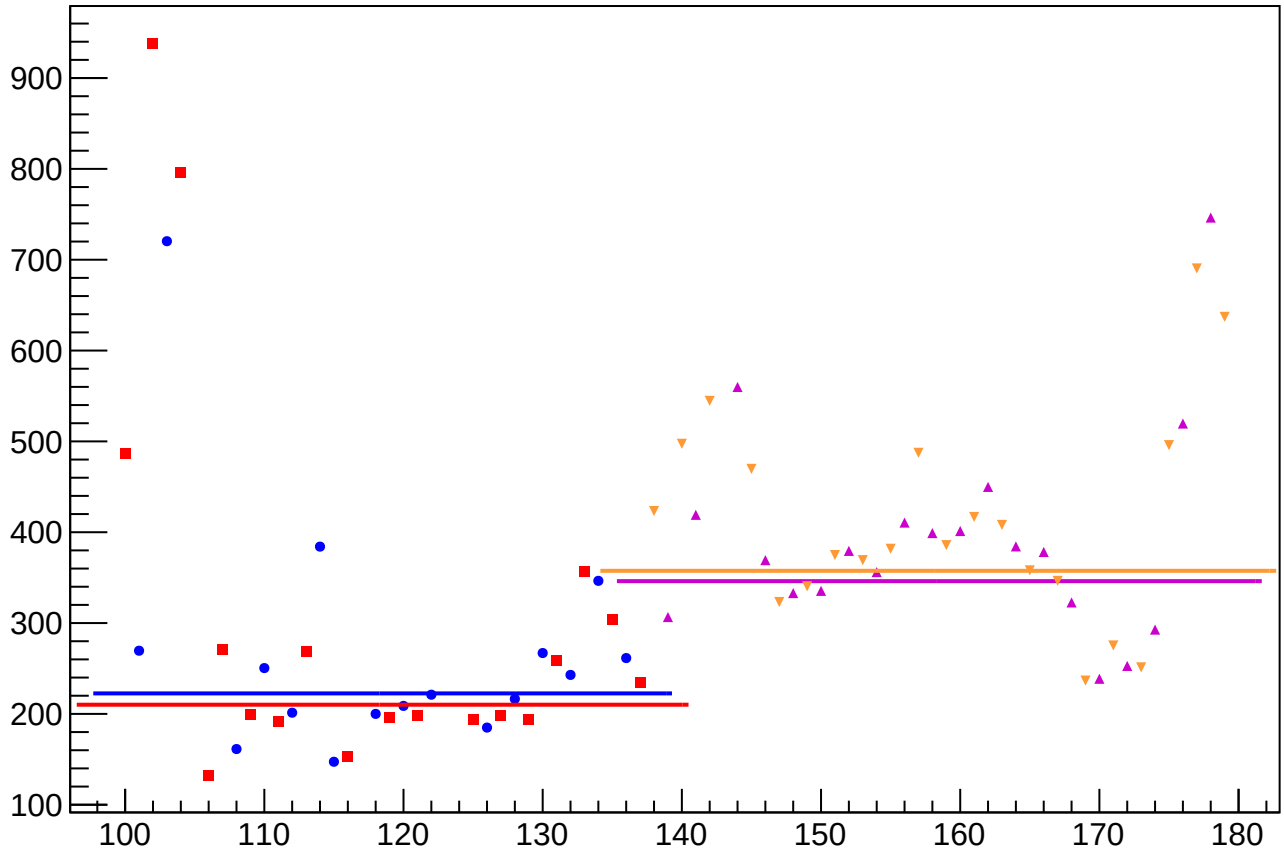
Left: -0.055+/-0.064 χ^2/NDF: 54.7/40

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.036+/-0.045 χ^2/NDF: 98.7/74



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 346.153+/-0.063 χ^2/NDF:1730583.4/19

Left: 351.675+/-0.046 χ^2/NDF: 3902238.9/40

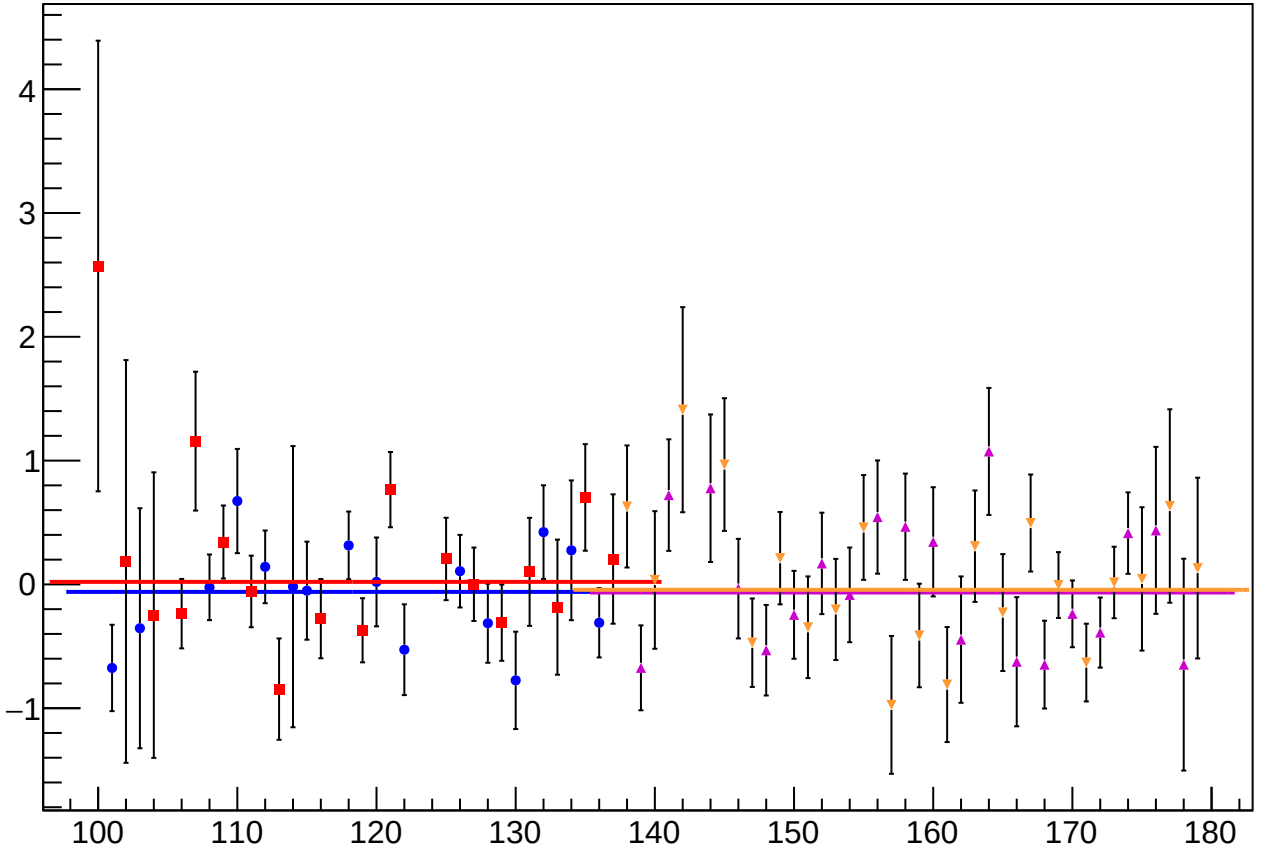
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 283.631+/-0.045 χ^2/NDF:4669603.8/35

Out: 279.754+/-0.045 χ^2/NDF:6390382.6/38

All: 281.706+/-0.032 χ^2/NDF: 11063740.8/74

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.044+/-0.092 χ^2/NDF:25.9/20

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.065+/-0.090 χ^2/NDF:28.8/19

Left: -0.055+/-0.064 χ^2/NDF: 54.7/40

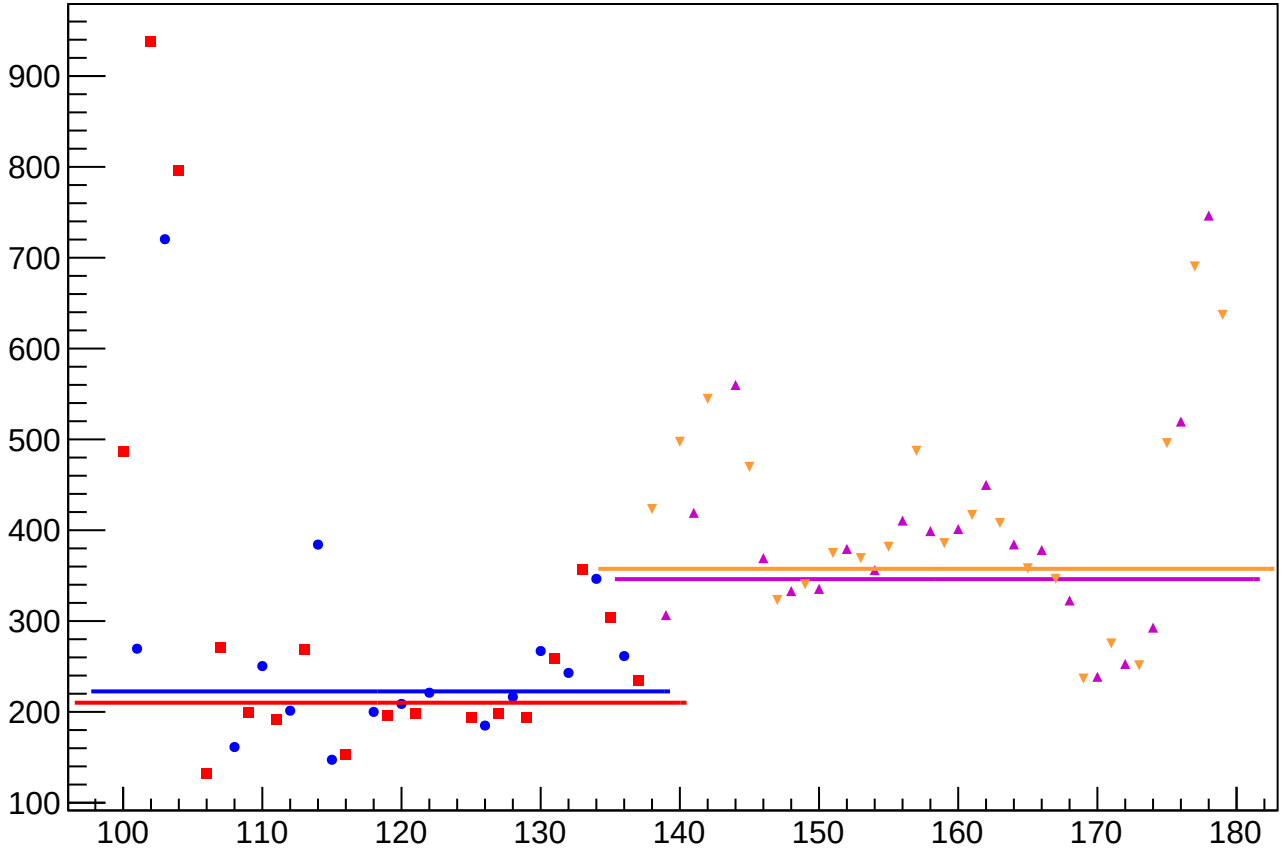
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.010+/-0.064 χ^2/NDF:52.3/38

All: -0.036+/-0.045 χ^2/NDF: 98.7/74

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 357.533+/-0.065 χ^2/NDF:2156039.9/20

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 346.153+/-0.063 χ^2/NDF:1730583.4/19

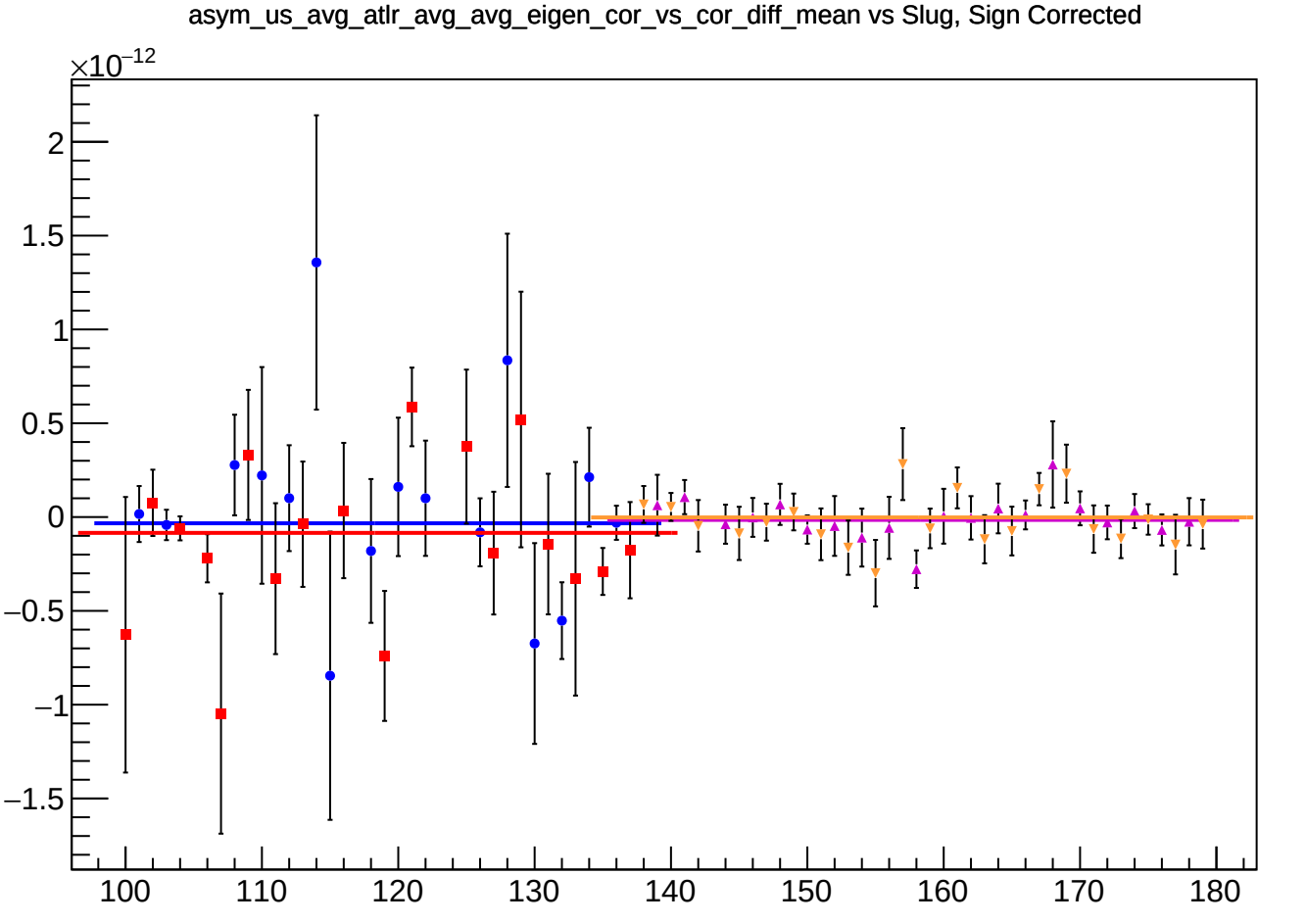
Left: 351.675+/-0.046 χ^2/NDF: 3902238.9/40

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 283.631+/-0.045 χ^2/NDF:4669603.8/35

Out: 279.754+/-0.045 χ^2/NDF:6390382.6/38

All: 281.706+/-0.032 χ^2/NDF: 11063740.8/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/19

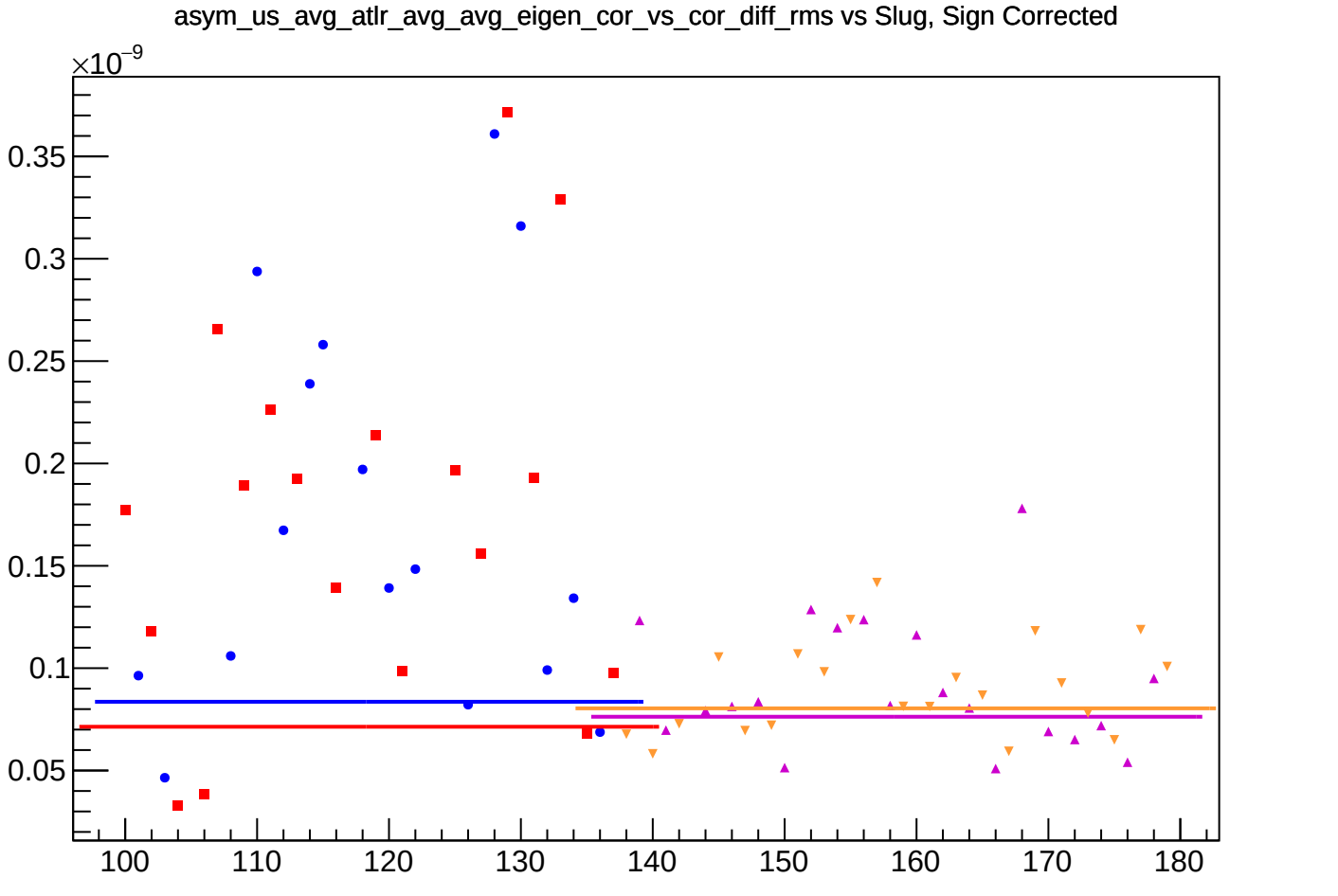
Left: -0.000+/-0.000 χ^2/NDF: 33.4/40

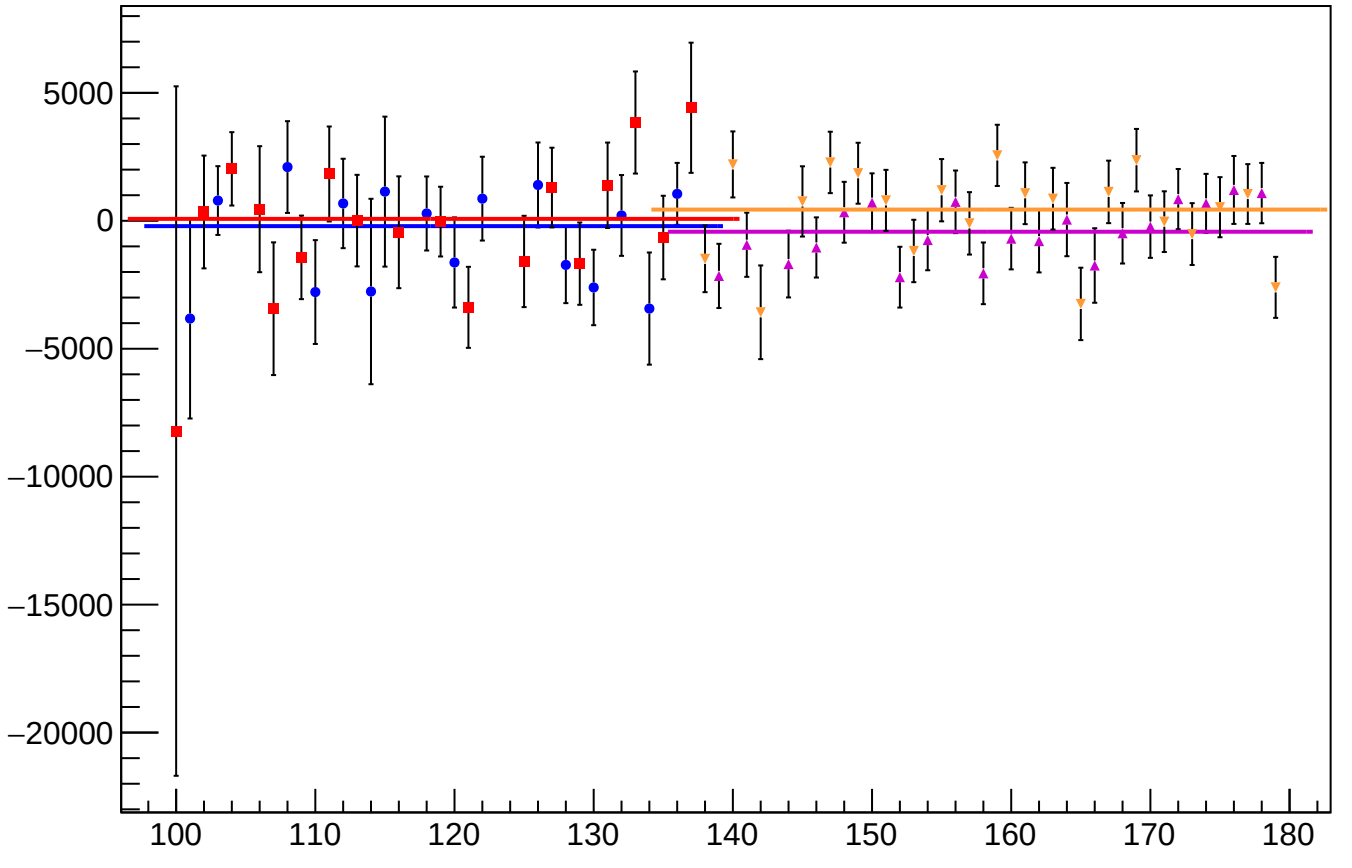
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:31.0/35

Out: -0.000+/-0.000 χ^2/NDF:48.0/38

All: -0.000+/-0.000 χ^2/NDF: 79.0/74


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1277555.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1973209.3/19
Left: 0.000+/-0.000 χ²/NDF: 3279315.8/40
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:4247078.8/35
Out: 0.000+/-0.000 χ²/NDF:5085567.9/38
All: 0.000+/-0.000 χ²/NDF: 9333133.1/74



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.095+/-271.052 χ^2/NDF:35.8/20

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -427.251+/-274.258 χ^2/NDF:16.0/19

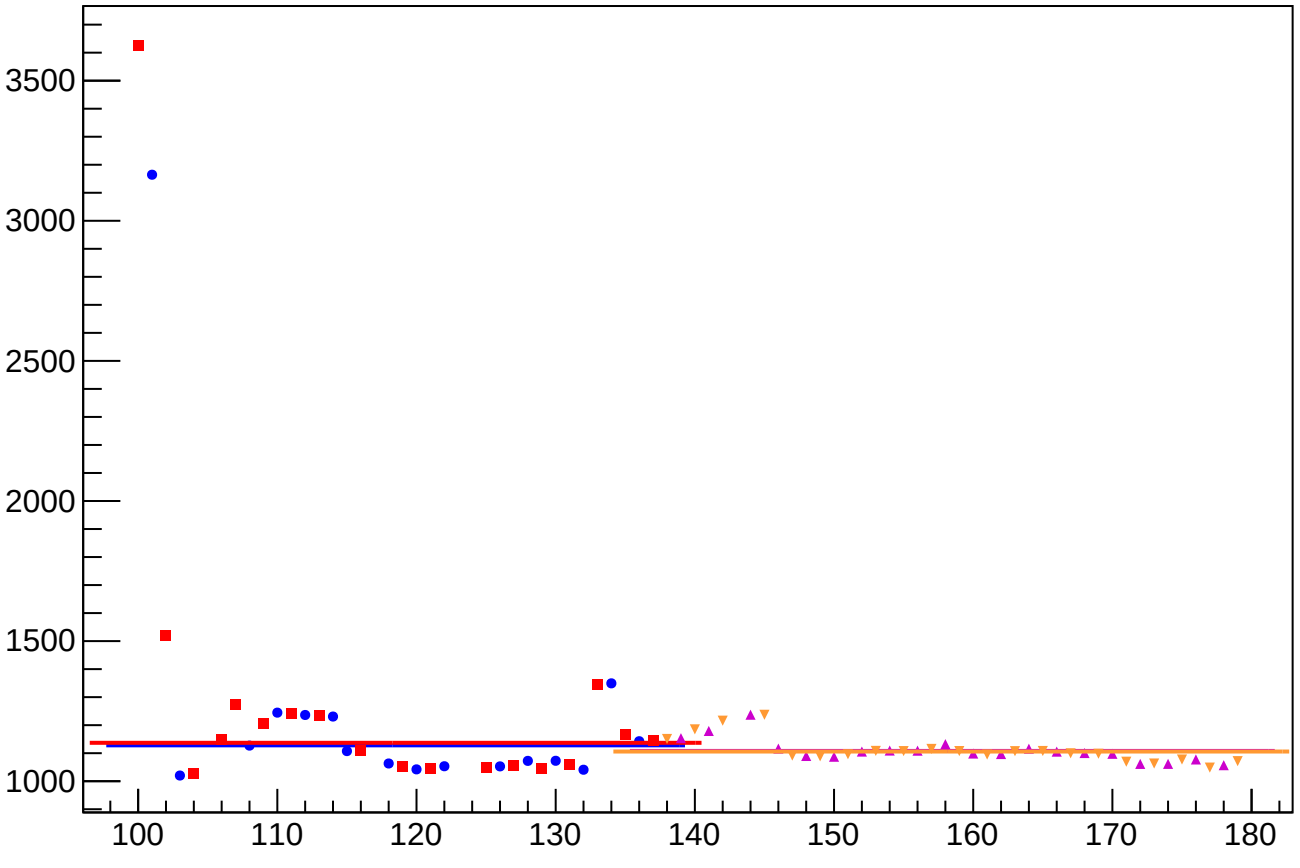
Left: 11.015+/-192.786 χ^2/NDF: 56.9/40

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -363.772+/-231.097 χ^2/NDF:31.0/35

Out: 335.998+/-229.413 χ^2/NDF:57.0/38

All: -11.328+/-162.812 χ^2/NDF: 92.6/74



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

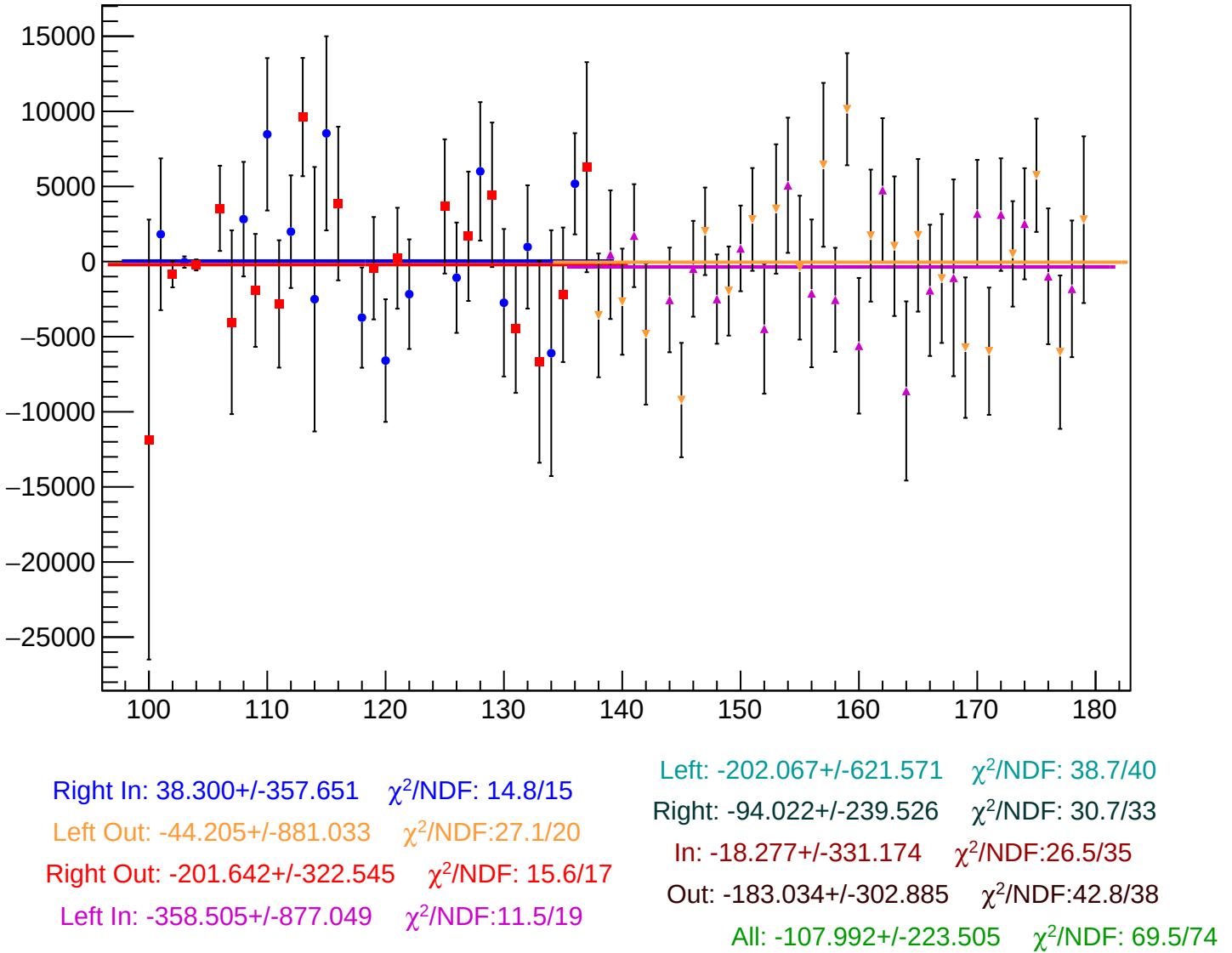
Left: 1106.970+/-0.136 χ^2/NDF: 91146.2/40

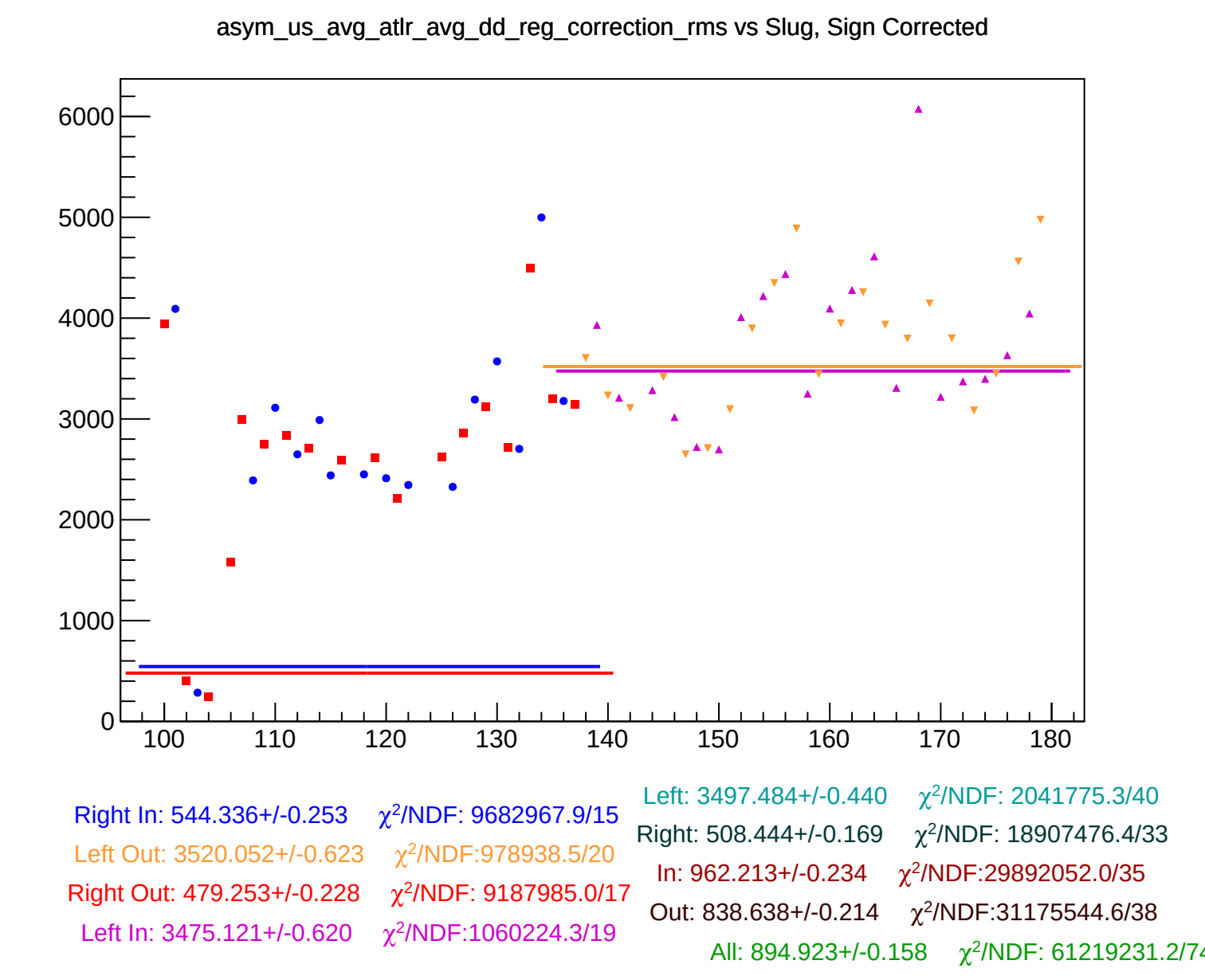
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

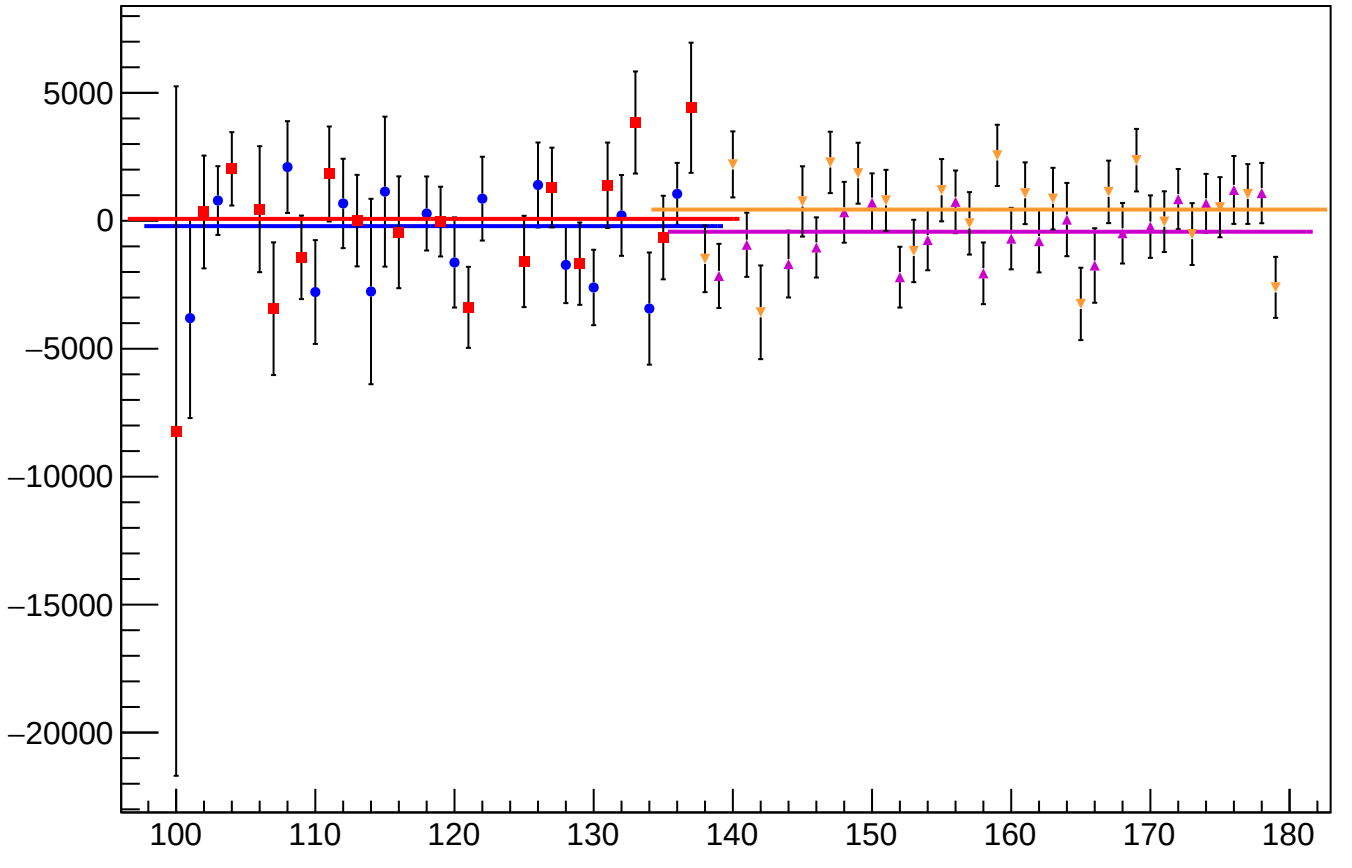
In: 1113.828+/-0.163 χ^2/NDF:666881.0/35

Out: 1114.776+/-0.162 χ^2/NDF:276254.7/38

All: 1114.306+/-0.115 χ^2/NDF: 943152.7/74


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -44.205+/-881.033 χ²/NDF:27.1/20
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -358.505+/-877.049 χ²/NDF:11.5/19
Left: -202.067+/-621.571 χ²/NDF: 38.7/40
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -18.277+/-331.174 χ²/NDF:26.5/35
Out: -183.034+/-302.885 χ²/NDF:42.8/38
All: -107.992+/-223.505 χ²/NDF: 69.5/74


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3520.052+/-0.623 χ²/NDF:978938.5/20
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3475.121+/-0.620 χ²/NDF:1060224.3/19
Left: 3497.484+/-0.440 χ²/NDF: 2041775.3/40
Right: 508.444+/-0.169 χ²/NDF: 18907476.4/33
In: 962.213+/-0.234 χ²/NDF:29892052.0/35
Out: 838.638+/-0.214 χ²/NDF:31175544.6/38
All: 894.923+/-0.158 χ²/NDF: 61219231.2/74



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -427.236+/-274.258 χ^2/NDF:16.0/19

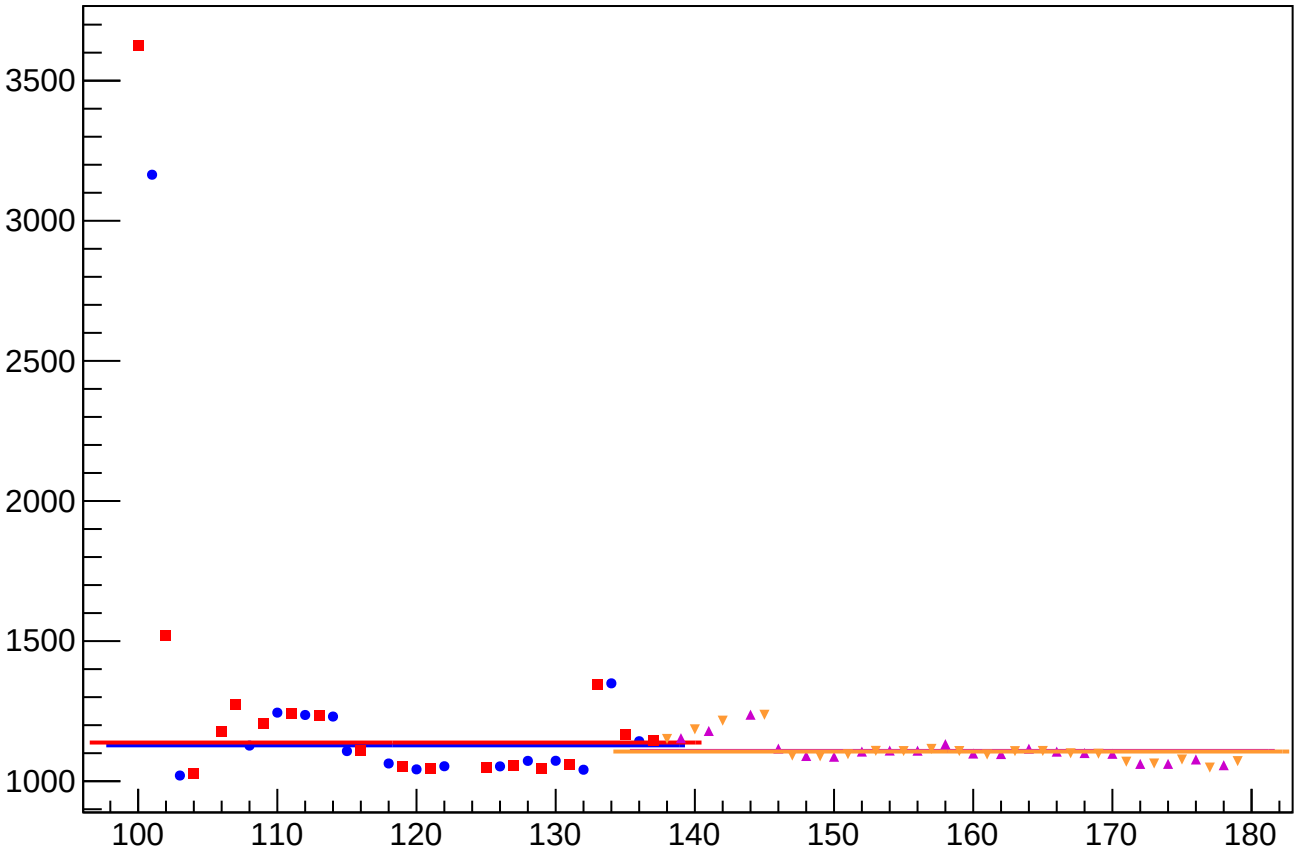
Left: 11.061+/-192.786 χ^2/NDF: 56.9/40

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -363.695+/-231.097 χ^2/NDF:31.0/35

Out: 336.094+/-229.413 χ^2/NDF:57.0/38

All: -11.241+/-162.812 χ^2/NDF: 92.6/74



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

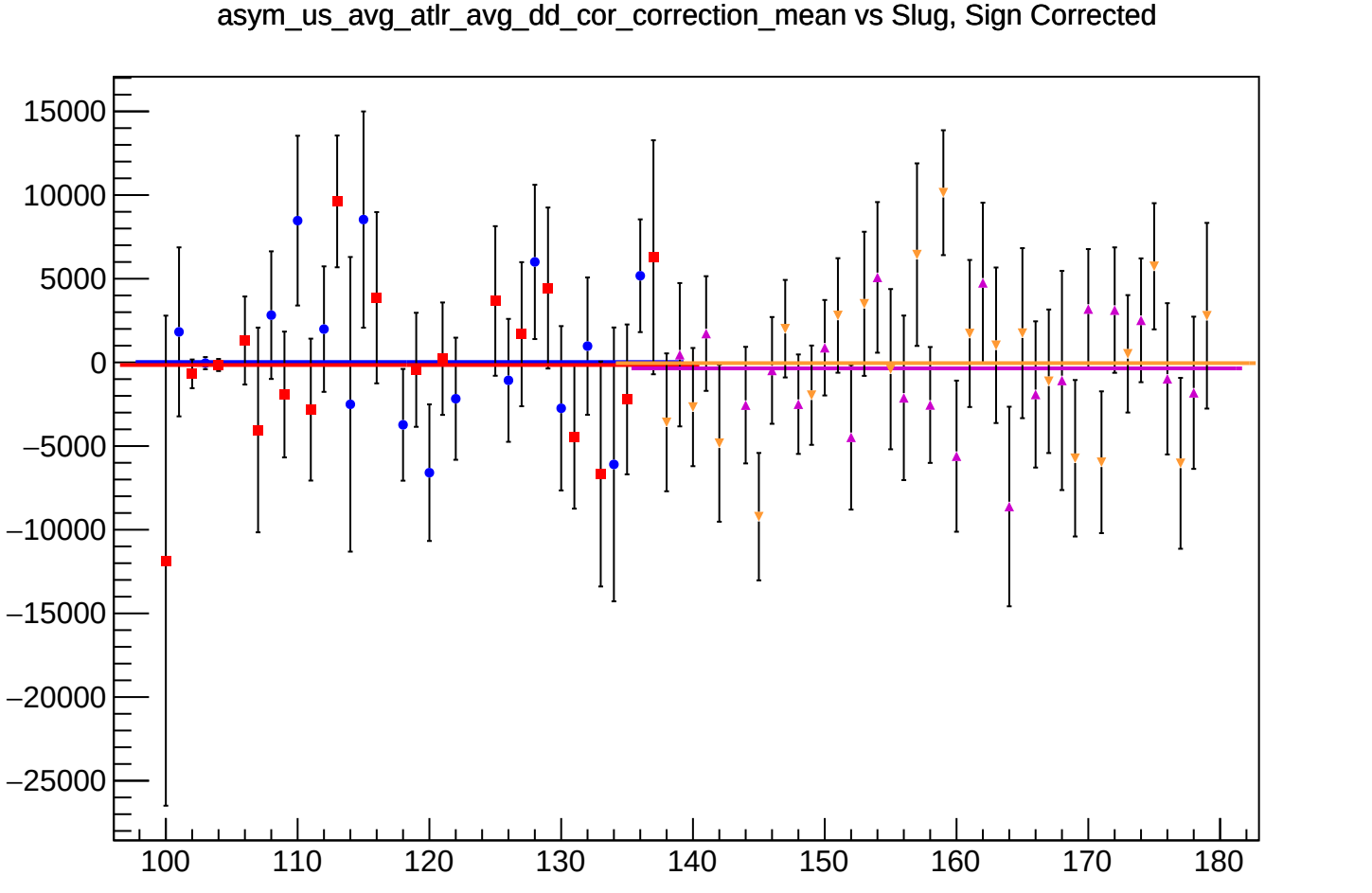
Left: 1106.970+/-0.136 χ^2/NDF: 91146.2/40

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1113.828+/-0.163 χ^2/NDF:666882.0/35

Out: 1115.032+/-0.162 χ^2/NDF:277247.4/38

All: 1114.435+/-0.115 χ^2/NDF: 944156.8/74



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -44.149+/-881.033 χ^2/NDF:27.1/20

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -358.531+/-877.049 χ^2/NDF:11.5/19

Left: -202.052+/-621.571 χ^2/NDF: 38.7/40

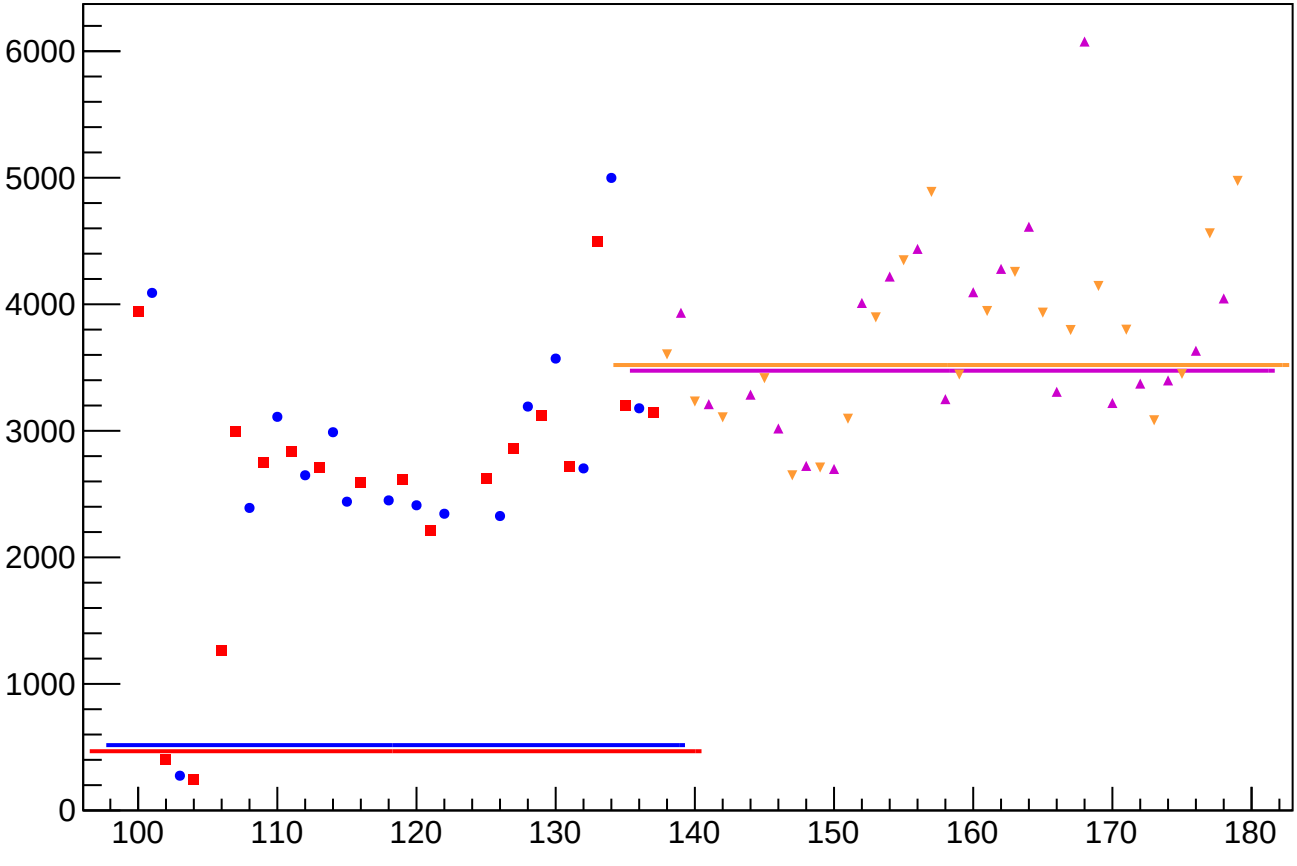
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -29.178+/-320.671 χ^2/NDF:26.5/35

Out: -143.358+/-298.586 χ^2/NDF:41.2/38

All: -90.335+/-218.523 χ^2/NDF: 67.8/74

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3520.052+/-0.623 χ^2/NDF:978947.3/20

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3475.120+/-0.620 χ^2/NDF:1060232.4/19

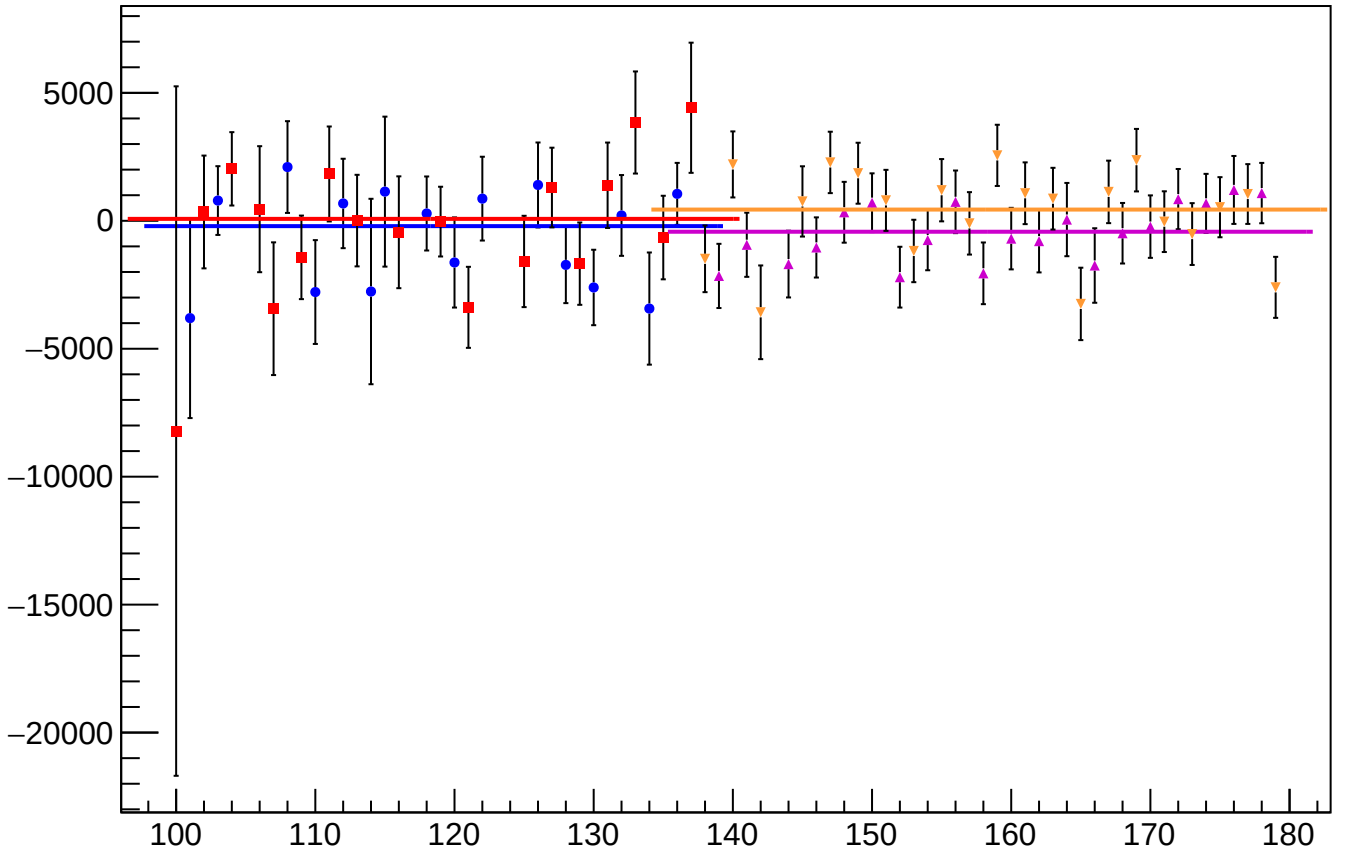
Left: 3497.484+/-0.440 χ^2/NDF: 2041792.4/40

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 911.838+/-0.227 χ^2/NDF:30614495.7/35

Out: 818.599+/-0.211 χ^2/NDF:31333697.4/38

All: 861.897+/-0.155 χ^2/NDF: 62038756.7/74



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 439.171+/-271.052 χ^2/NDF:35.8/20

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -427.236+/-274.258 χ^2/NDF:16.0/19

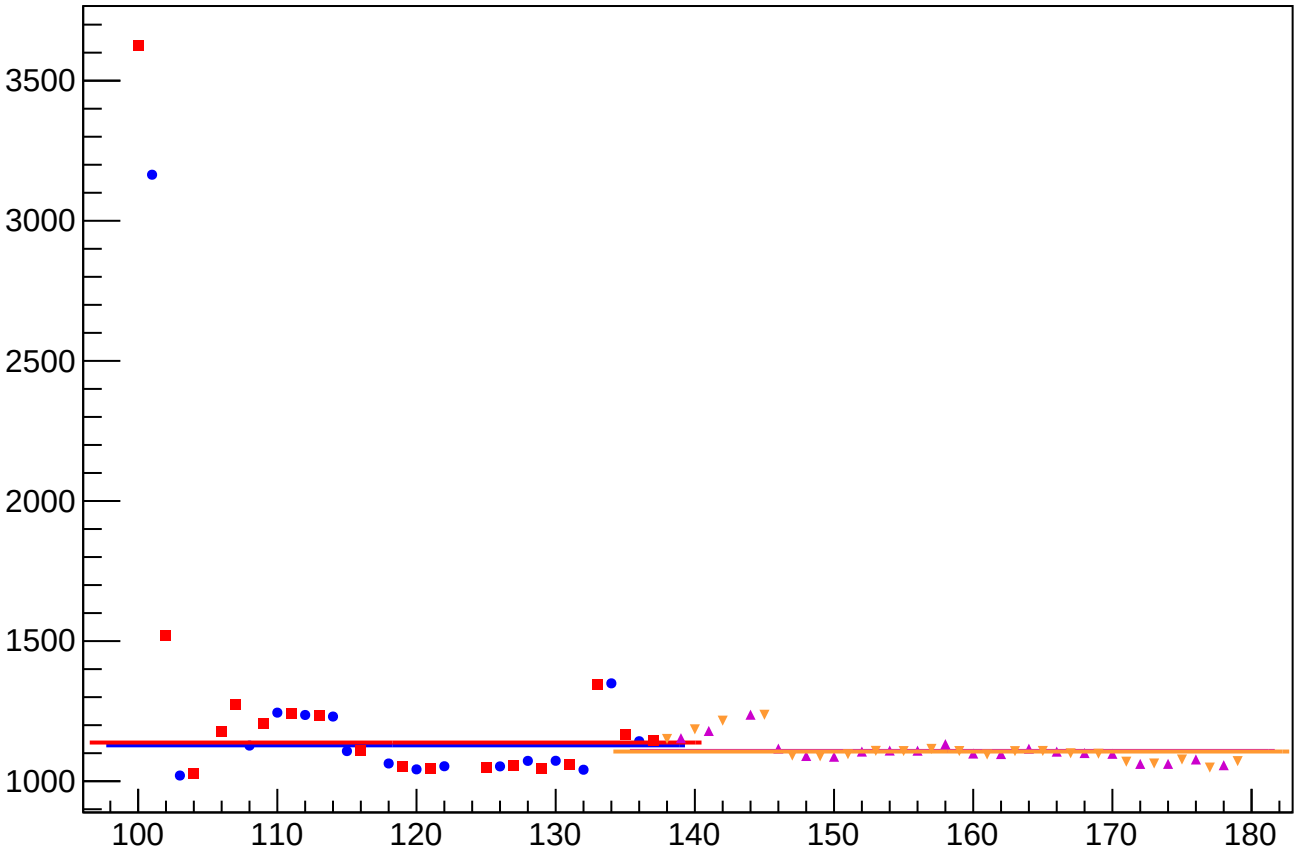
Left: 11.061+/-192.786 χ^2/NDF: 56.9/40

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -363.695+/-231.097 χ^2/NDF:31.0/35

Out: 336.094+/-229.413 χ^2/NDF:57.0/38

All: -11.241+/-162.812 χ^2/NDF: 92.6/74



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1105.929+/-0.192 χ^2/NDF:48675.0/20

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1108.037+/-0.194 χ^2/NDF:42411.4/19

Left: 1106.970+/-0.136 χ^2/NDF: 91146.2/40

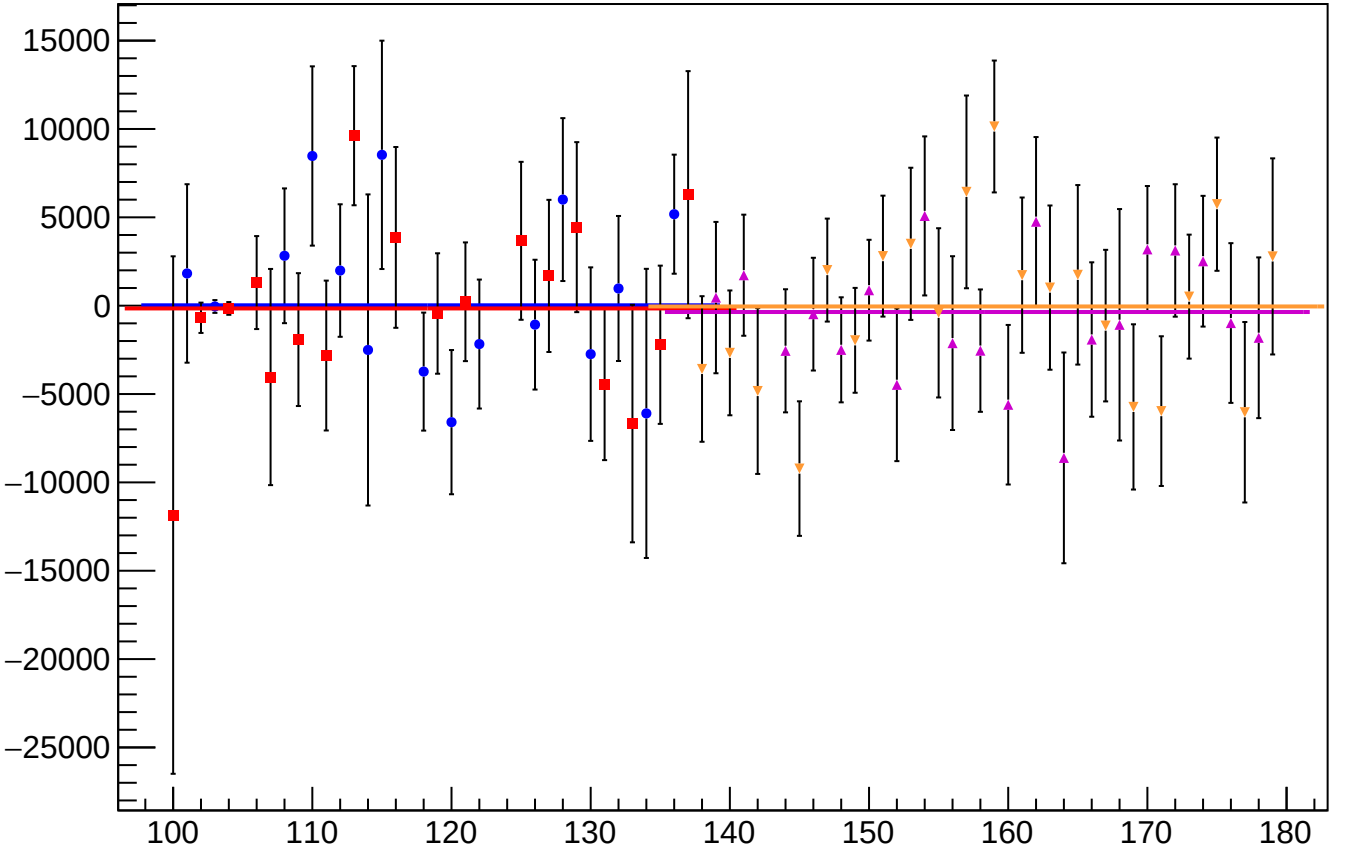
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1113.828+/-0.163 χ^2/NDF:666882.0/35

Out: 1115.032+/-0.162 χ^2/NDF:277247.4/38

All: 1114.435+/-0.115 χ^2/NDF: 944156.8/74

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -44.149+/-881.033 χ^2/NDF:27.1/20

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -358.531+/-877.049 χ^2/NDF:11.5/19

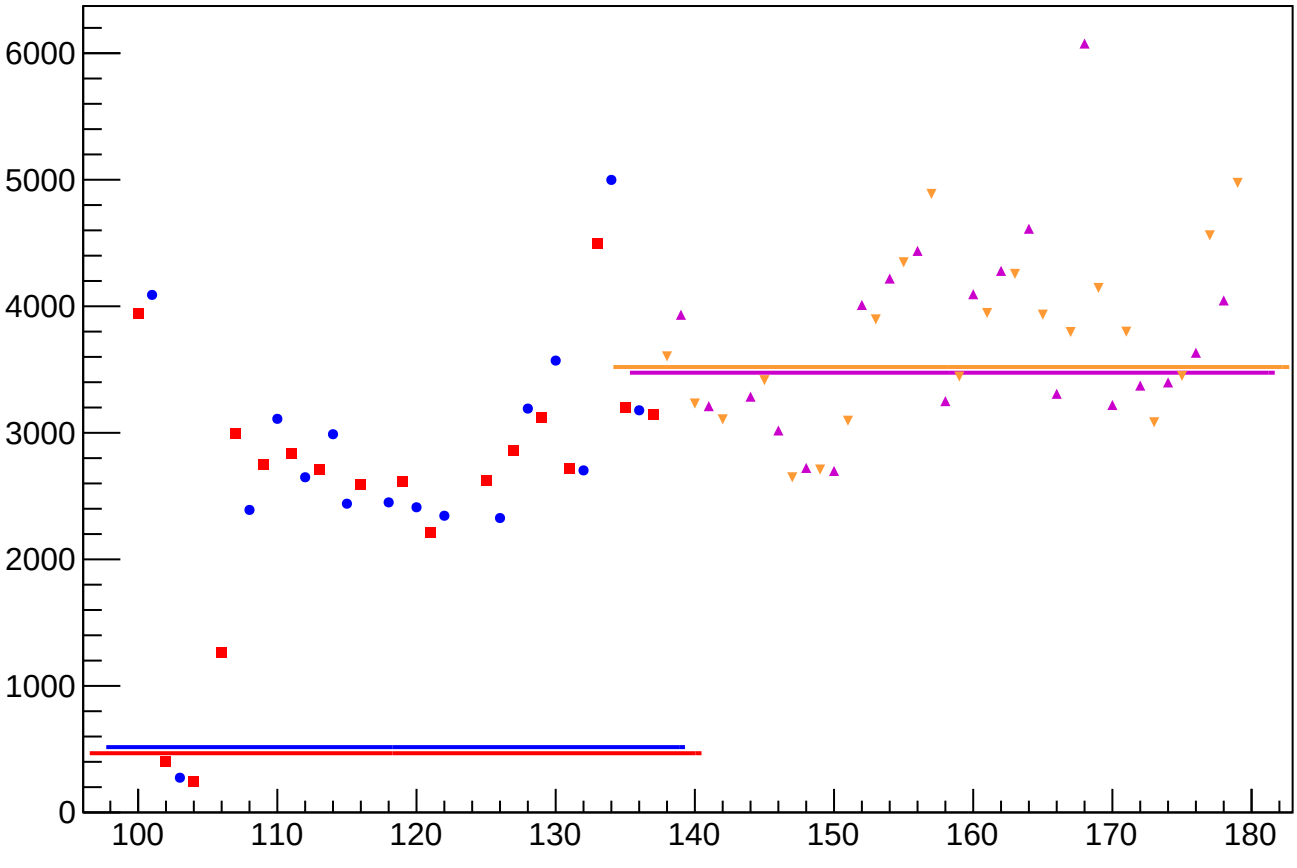
Left: -202.052+/-621.571 χ^2/NDF: 38.7/40

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -29.178+/-320.671 χ^2/NDF:26.5/35

Out: -143.358+/-298.586 χ^2/NDF:41.2/38

All: -90.335+/-218.523 χ^2/NDF: 67.8/74



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3520.052+/-0.623 χ^2/NDF:978947.3/20

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3475.120+/-0.620 χ^2/NDF:1060232.4/19

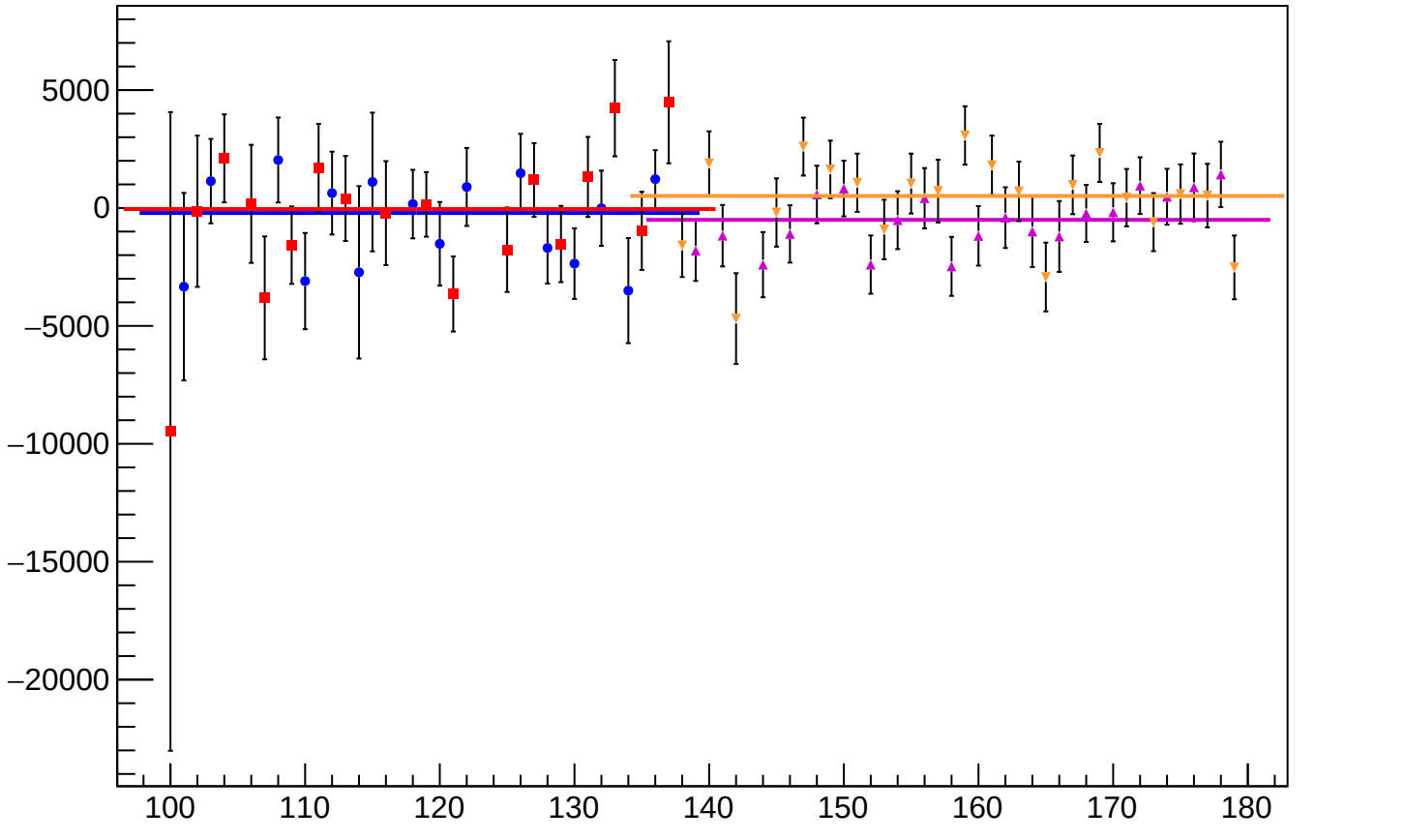
Left: 3497.484+/-0.440 χ^2/NDF: 2041792.4/40

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 911.838+/-0.227 χ^2/NDF:30614495.7/35

Out: 818.599+/-0.211 χ^2/NDF:31333697.4/38

All: 861.897+/-0.155 χ^2/NDF: 62038756.7/74



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 510.893+/-283.999 χ^2/NDF:35.6/20

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -502.985+/-285.967 χ^2/NDF:16.6/19

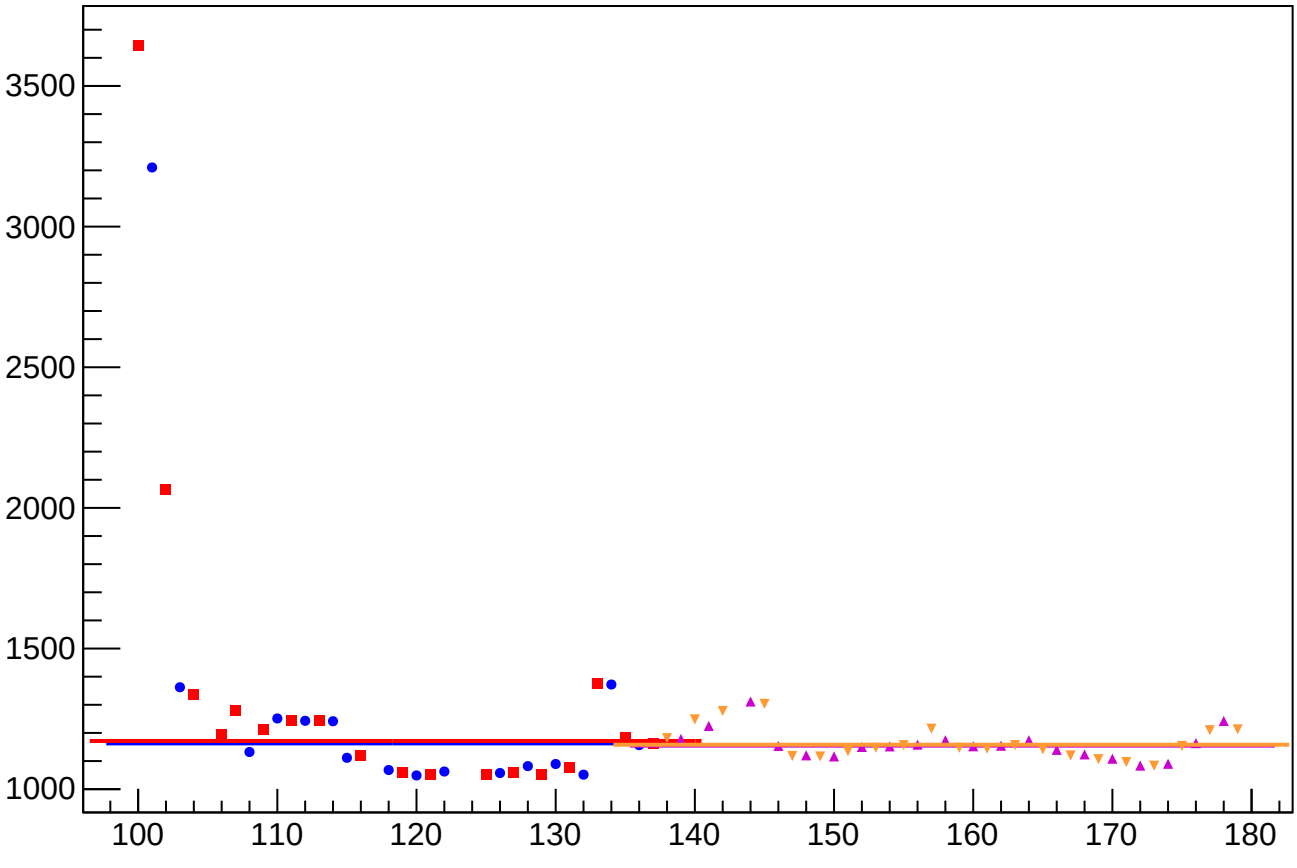
Left: 7.454+/-201.510 χ^2/NDF: 58.5/40

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -417.628+/-240.207 χ^2/NDF:31.2/35

Out: 350.988+/-239.744 χ^2/NDF:58.3/38

All: -32.578+/-169.688 χ^2/NDF: 94.7/74



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1158.045+/-0.201 χ^2/NDF:71011.7/20

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.798+/-0.202 χ^2/NDF:62143.2/19

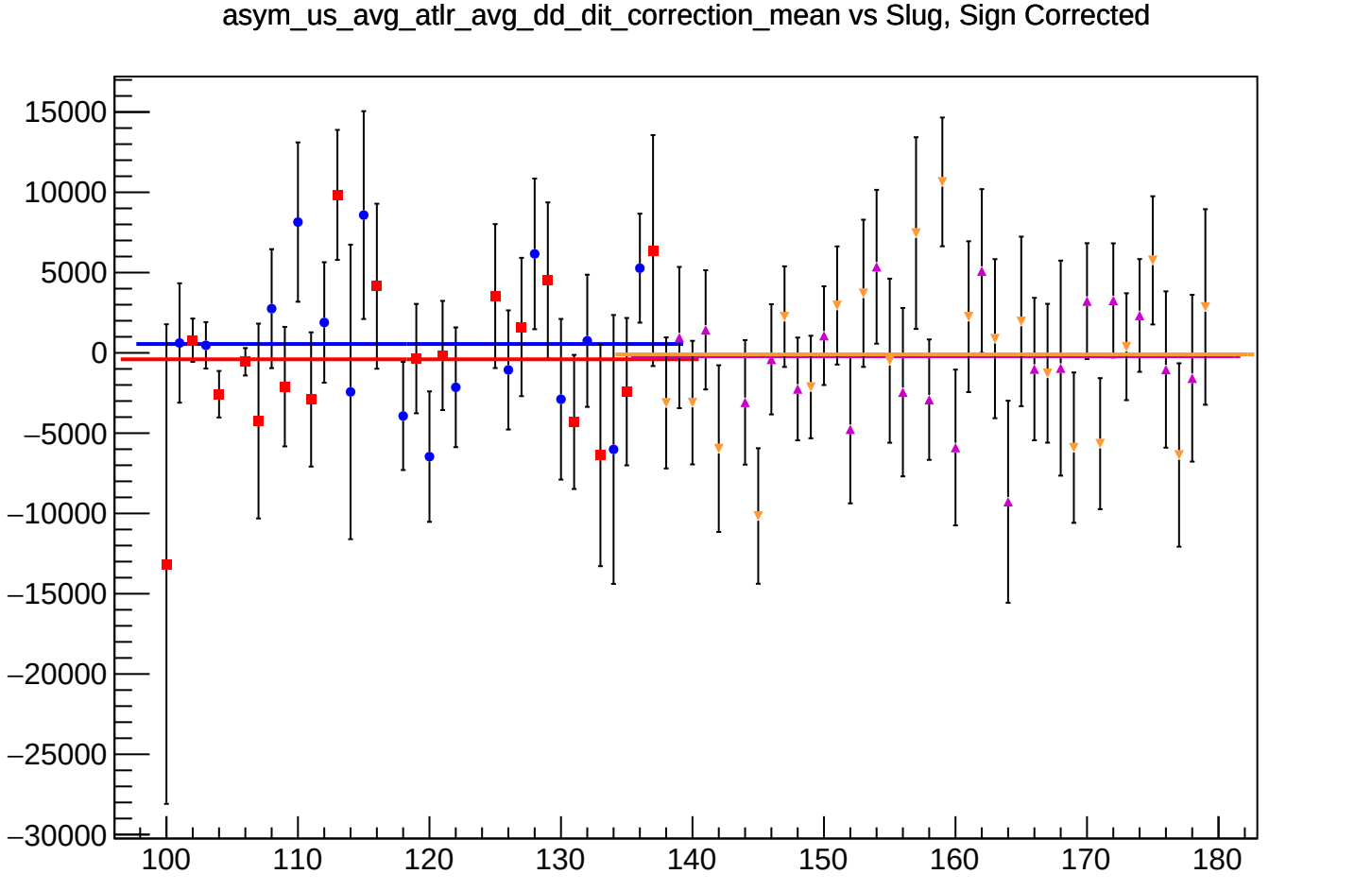
Left: 1156.433+/-0.142 χ^2/NDF: 133284.8/40

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1157.169+/-0.170 χ^2/NDF:697963.7/35

Out: 1161.892+/-0.170 χ^2/NDF:403928.2/38

All: 1159.535+/-0.120 χ^2/NDF: 1102279.1/74



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -93.911+/-927.493 χ^2/NDF:26.8/20

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -209.759+/-923.411 χ^2/NDF:11.5/19

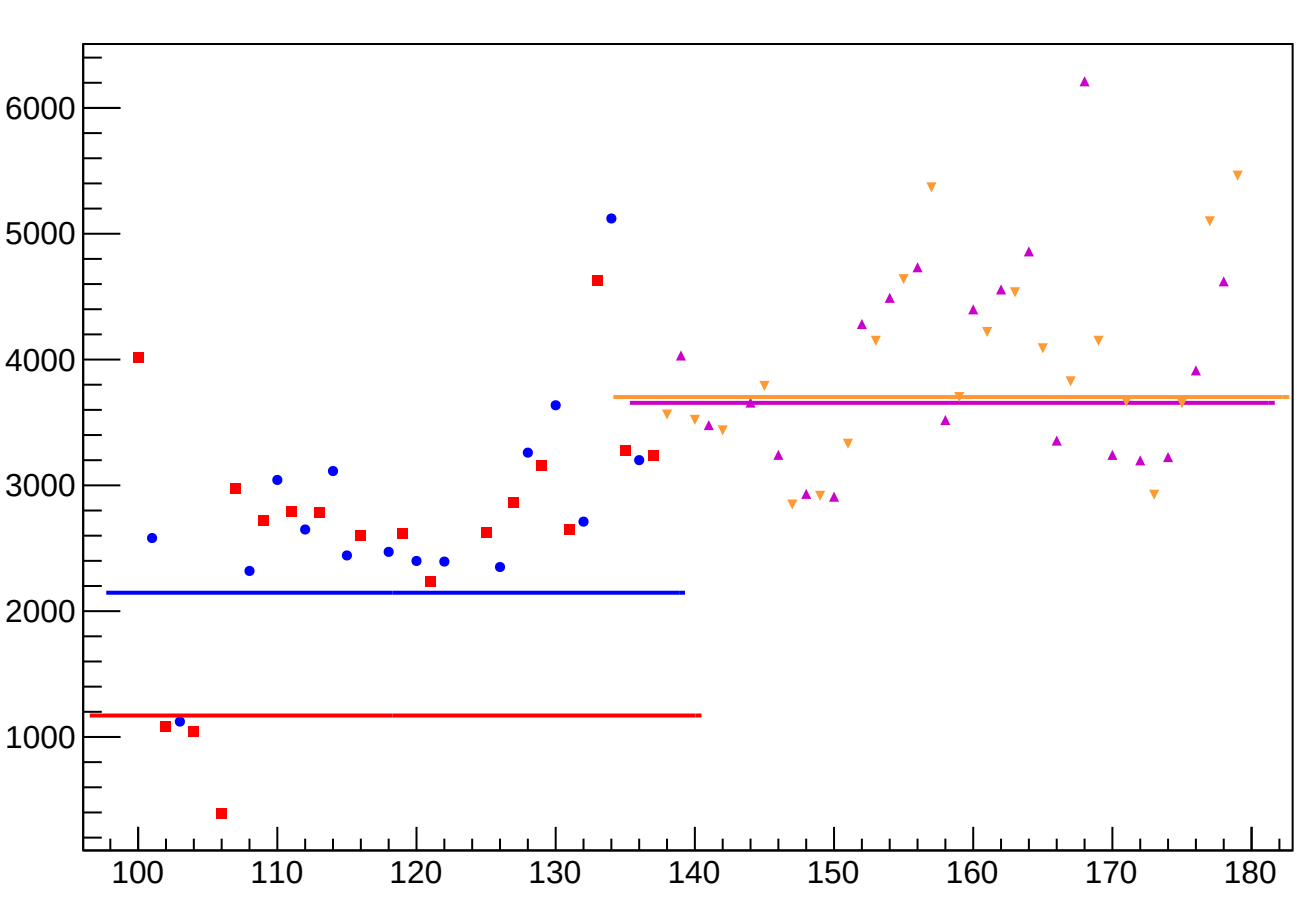
Left: -152.090+/-654.389 χ^2/NDF: 38.3/40

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 192.263+/-634.810 χ^2/NDF:26.2/35

Out: -317.285+/-483.063 χ^2/NDF:43.5/38

All: -130.429+/-384.419 χ^2/NDF: 70.2/74



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3702.142+/-0.656 χ^2/NDF:1052186.7/20

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3655.782+/-0.653 χ^2/NDF:1100096.0/19

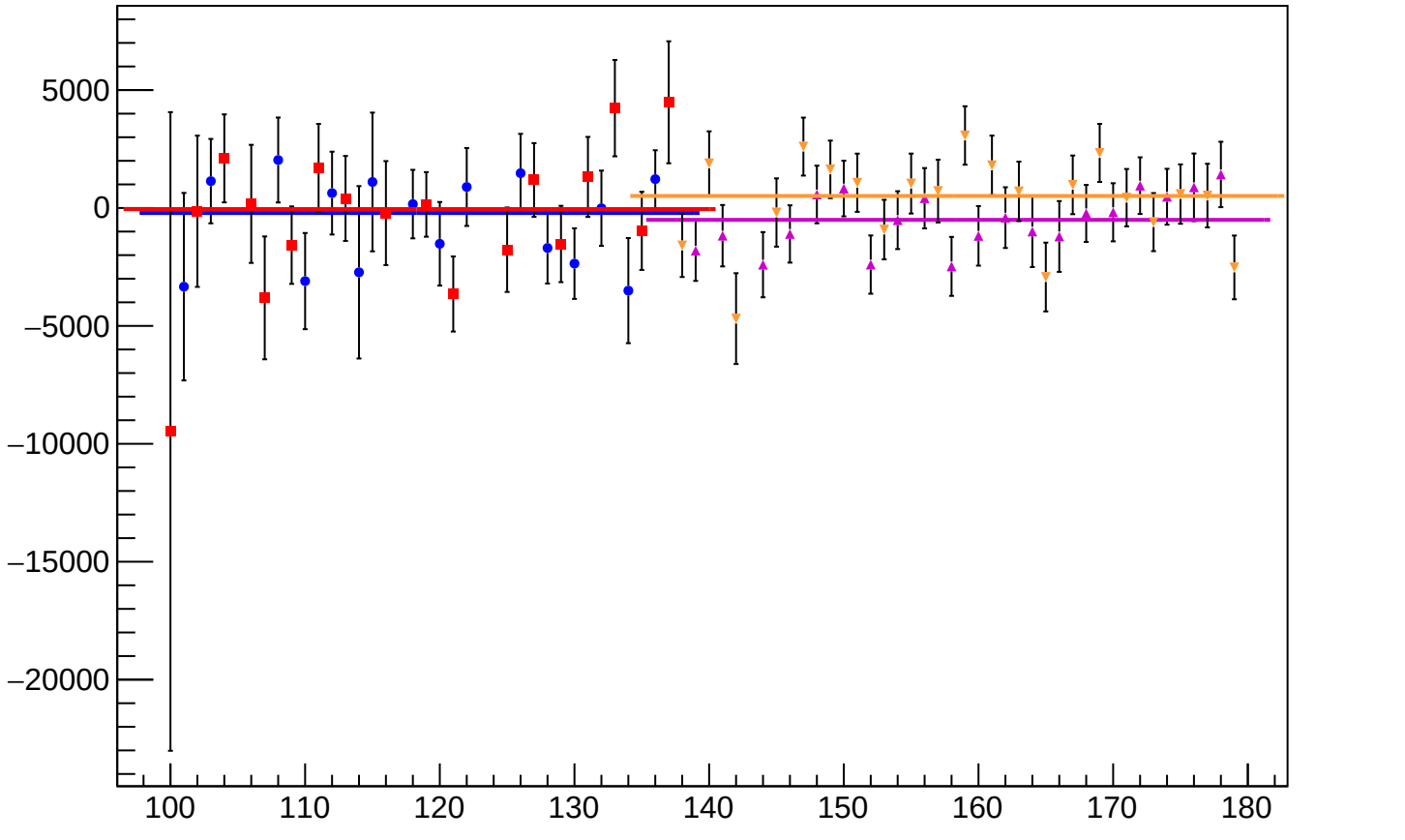
Left: 3678.860+/-0.463 χ^2/NDF: 2154792.2/40

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2859.853+/-0.449 χ^2/NDF:5892233.0/35

Out: 1857.287+/-0.342 χ^2/NDF:17727941.2/38

All: 2224.938+/-0.272 χ^2/NDF: 26779330.6/7



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 510.894+/-284.000 χ^2/NDF:35.6/20

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -502.986+/-285.967 χ^2/NDF:16.6/19

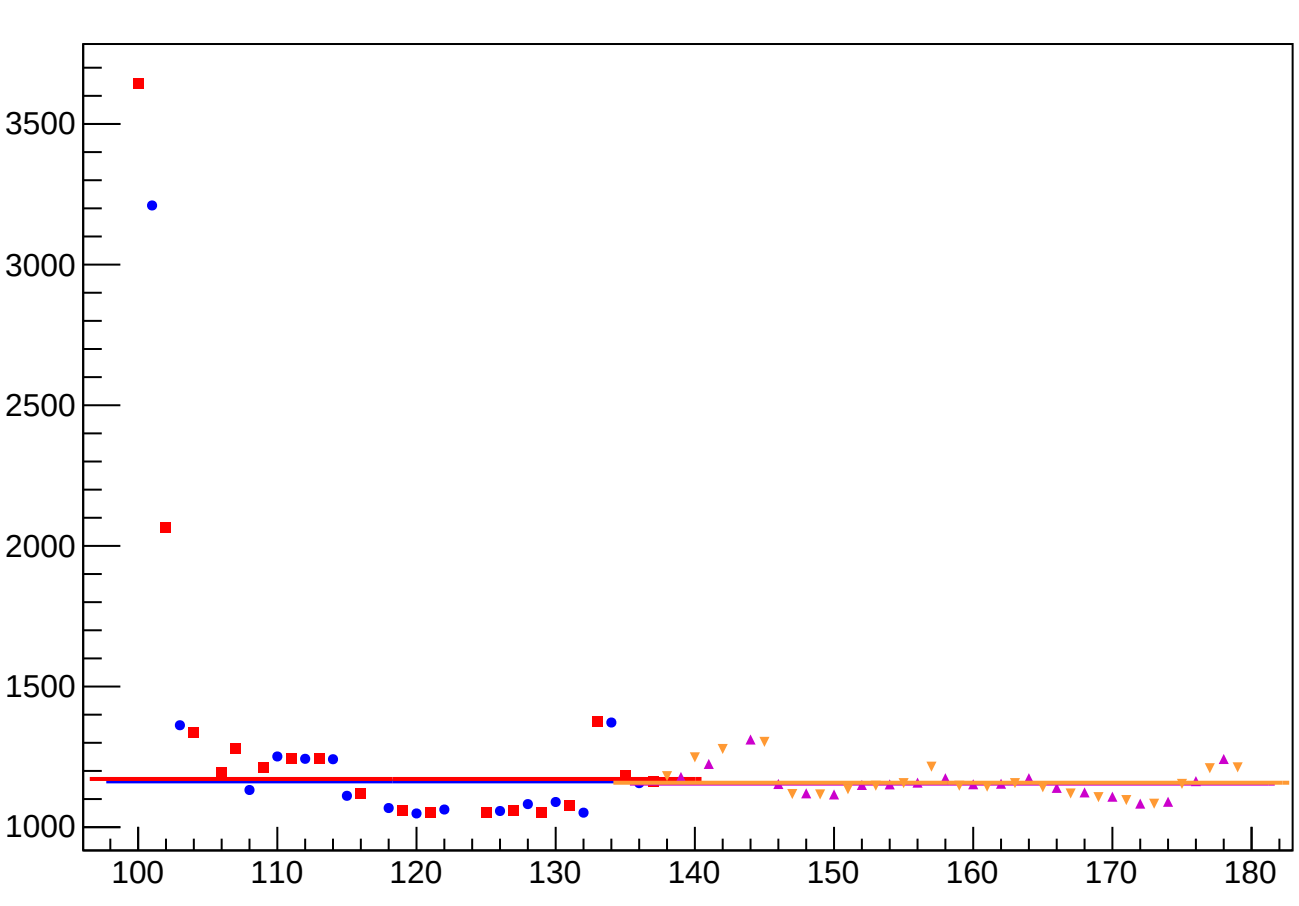
Left: 7.454+/-201.510 χ^2/NDF: 58.5/40

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -417.629+/-240.207 χ^2/NDF:31.2/35

Out: 350.988+/-239.744 χ^2/NDF:58.3/38

All: -32.579+/-169.688 χ^2/NDF: 94.7/74



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1158.046+/-0.201 χ^2/NDF:71014.4/20

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1154.799+/-0.202 χ^2/NDF:62145.4/19

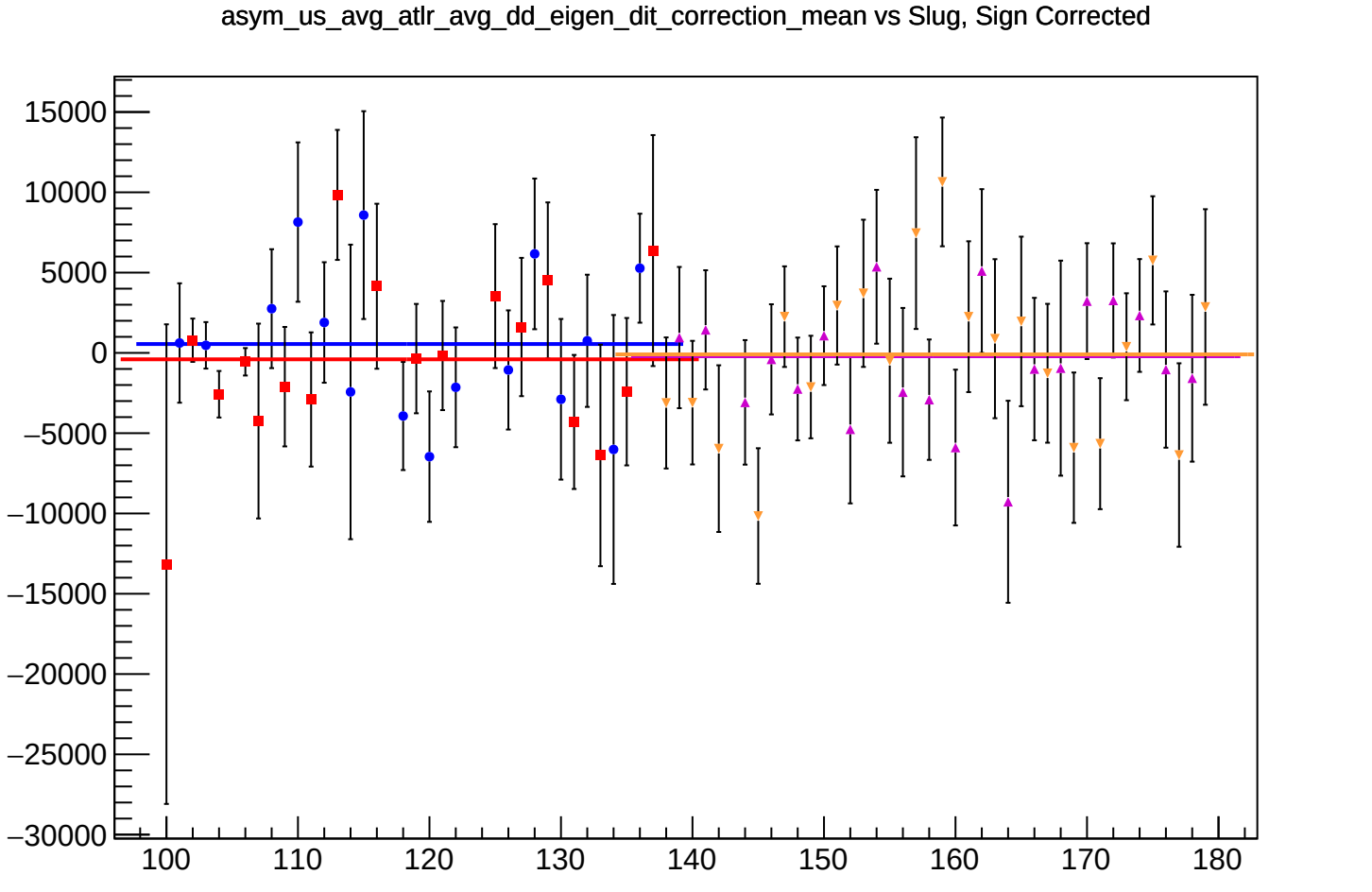
Left: 1156.434+/-0.142 χ^2/NDF: 133289.6/40

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1157.170+/-0.170 χ^2/NDF:697965.8/35

Out: 1161.892+/-0.170 χ^2/NDF:403930.3/38

All: 1159.536+/-0.120 χ^2/NDF: 1102283.4/74



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -93.912+/-927.494 χ^2/NDF:26.8/20

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -209.758+/-923.413 χ^2/NDF:11.5/19

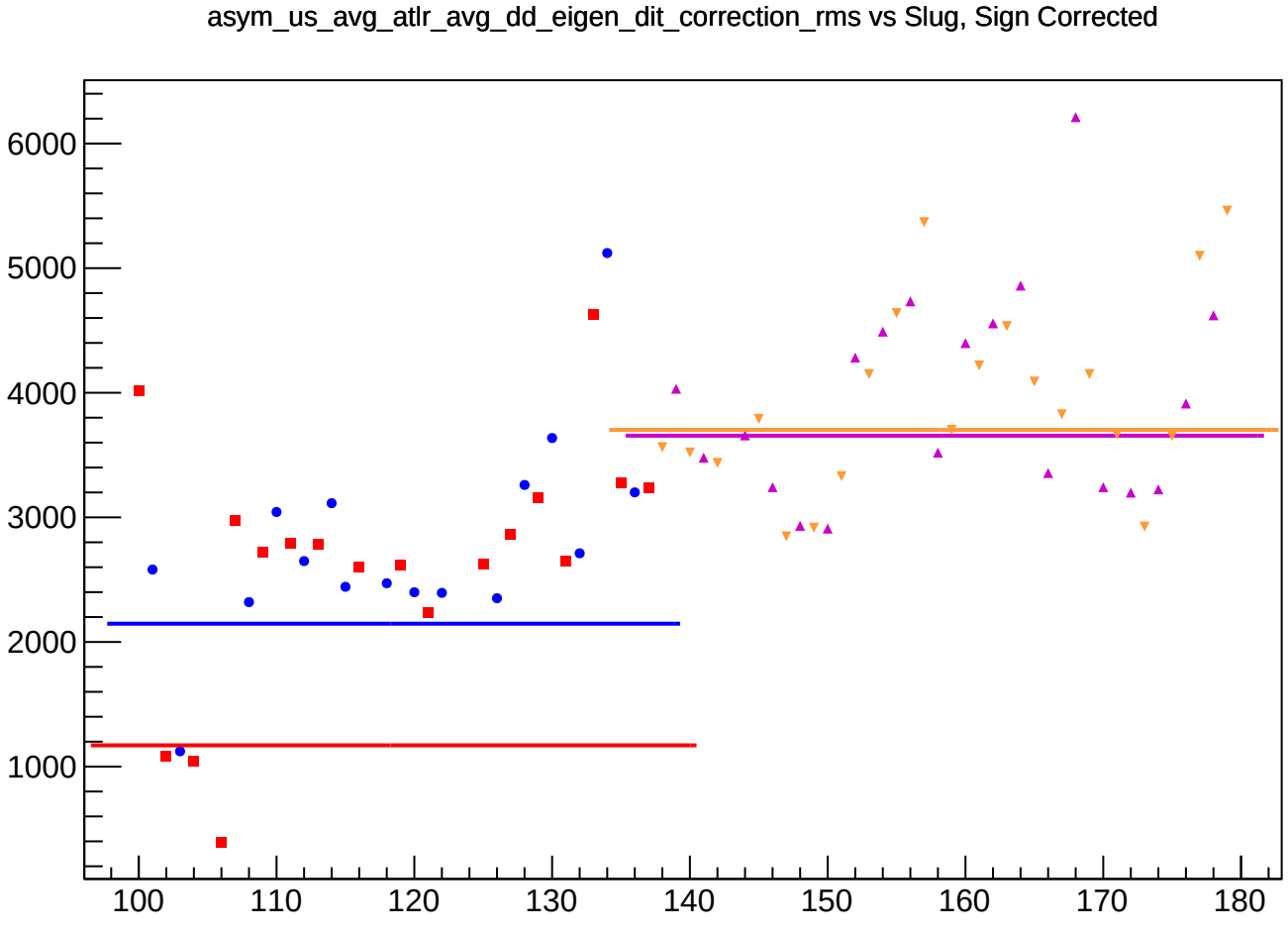
Left: -152.090+/-654.390 χ^2/NDF: 38.3/40

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 192.261+/-634.810 χ^2/NDF:26.2/35

Out: -317.288+/-483.059 χ^2/NDF:43.5/38

All: -130.433+/-384.417 χ^2/NDF: 70.2/74



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3702.148+/-0.656 χ^2/NDF:1052189.5/20

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3655.787+/-0.653 χ^2/NDF:1100098.9/19

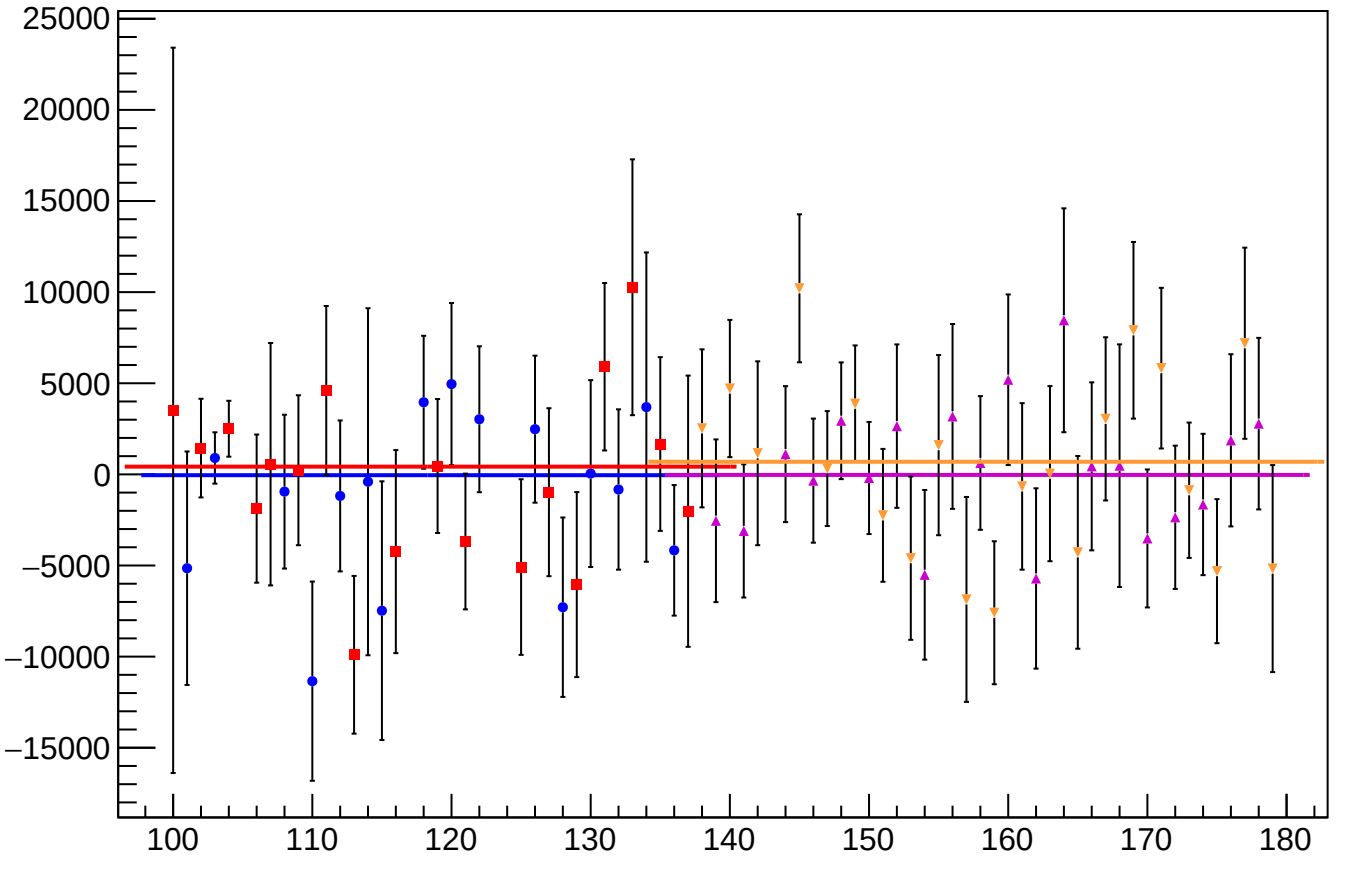
Left: 3678.865+/-0.463 χ^2/NDF: 2154798.0/40

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2859.851+/-0.449 χ^2/NDF:5892261.8/35

Out: 1857.258+/-0.342 χ^2/NDF:17728363.1/38

All: 2224.915+/-0.272 χ^2/NDF: 26779974.0/7



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 692.360+/-928.691 χ^2/NDF:26.1/20

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -30.303+/-924.935 χ^2/NDF:10.5/19

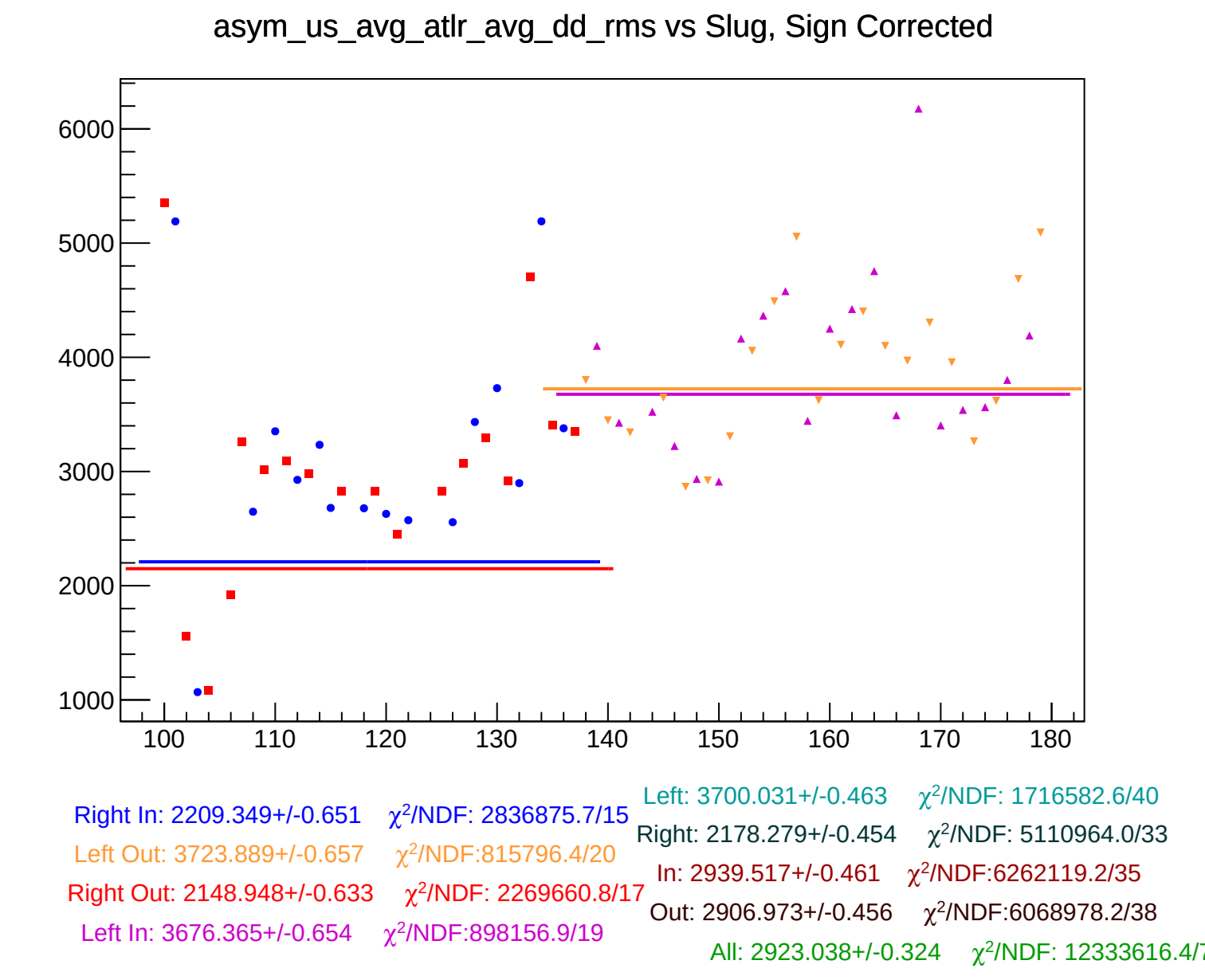
Left: 329.564+/-655.352 χ^2/NDF: 36.9/40

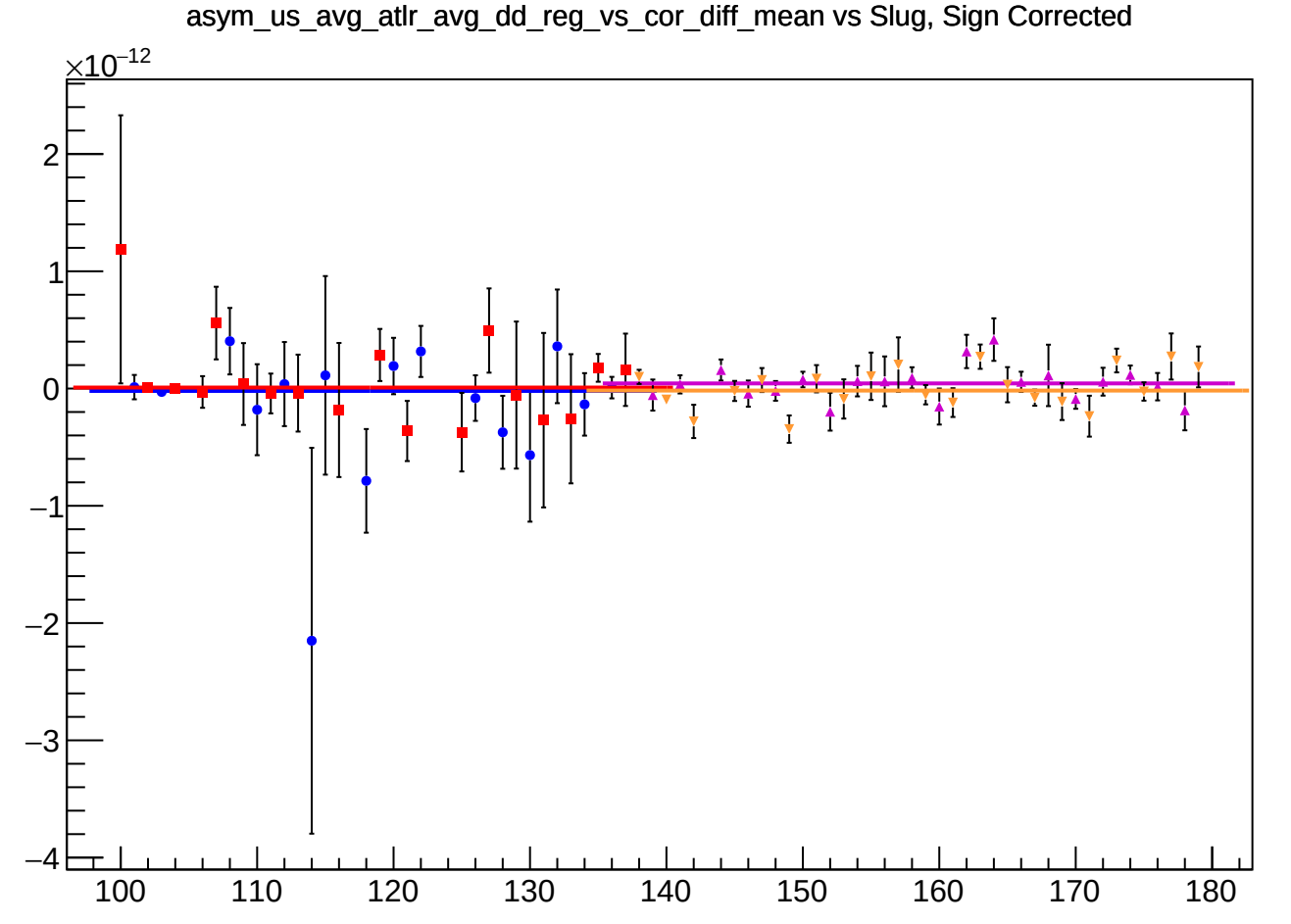
Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -37.622+/-652.538 χ^2/NDF:24.3/35

Out: 553.212+/-645.089 χ^2/NDF:43.5/38

All: 261.187+/-458.758 χ^2/NDF: 68.2/74


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2209.349+/-0.651 χ²/NDF: 2836875.7/15
Left Out: 3723.889+/-0.657 χ²/NDF:815796.4/20
Right Out: 2148.948+/-0.633 χ²/NDF: 2269660.8/17
Left In: 3676.365+/-0.654 χ²/NDF:898156.9/19
Left: 3700.031+/-0.463 χ²/NDF: 1716582.6/40
Right: 2178.279+/-0.454 χ²/NDF: 5110964.0/33
In: 2939.517+/-0.461 χ²/NDF:6262119.2/35
Out: 2906.973+/-0.456 χ²/NDF:6068978.2/38
All: 2923.038+/-0.324 χ²/NDF: 12333616.4/7



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:43.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.0/19

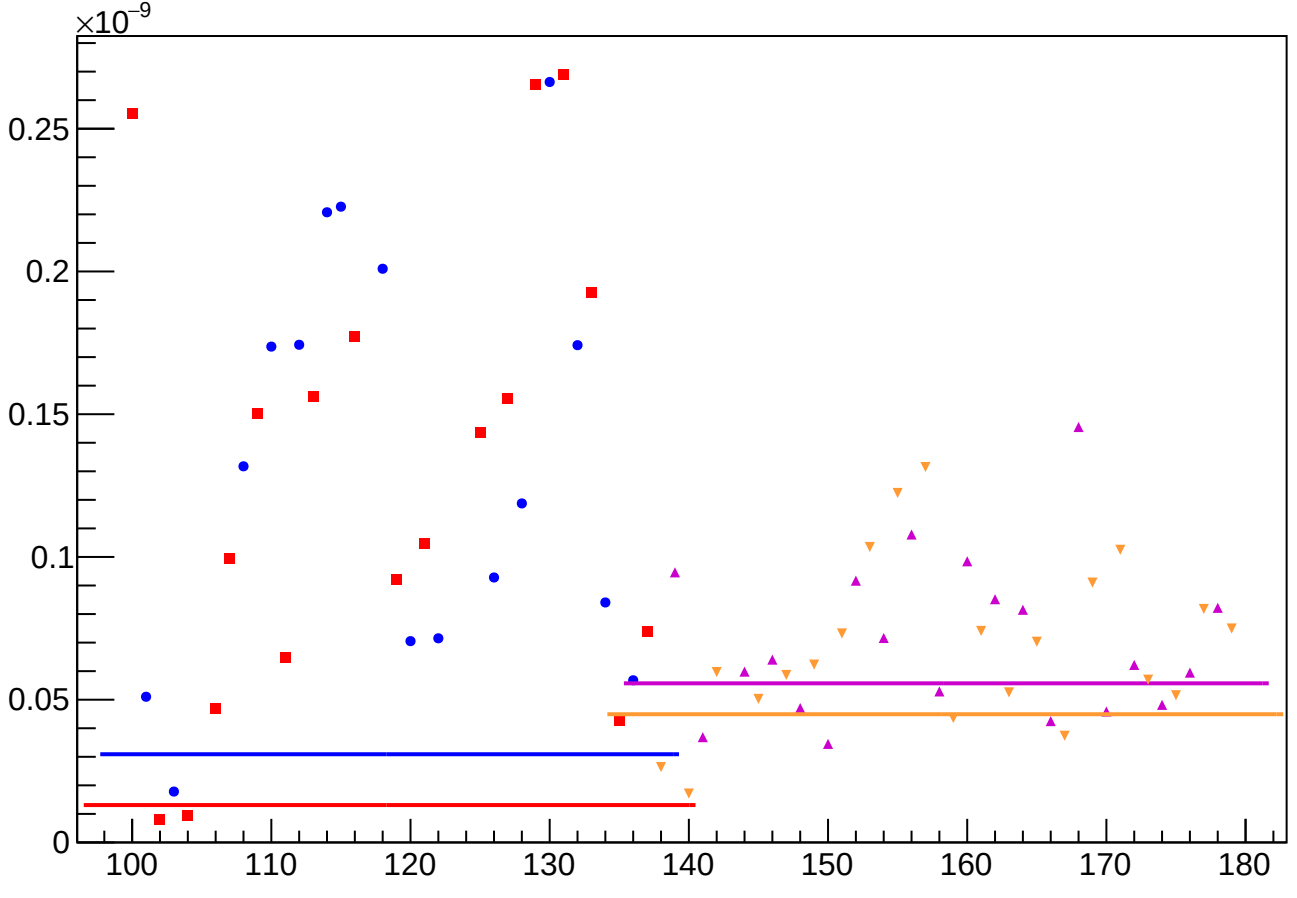
Left: 0.000+/-0.000 χ^2/NDF: 67.8/40

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: -0.000+/-0.000 χ^2/NDF:58.0/38

All: 0.000+/-0.000 χ^2/NDF: 96.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930440.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1446097.5/19

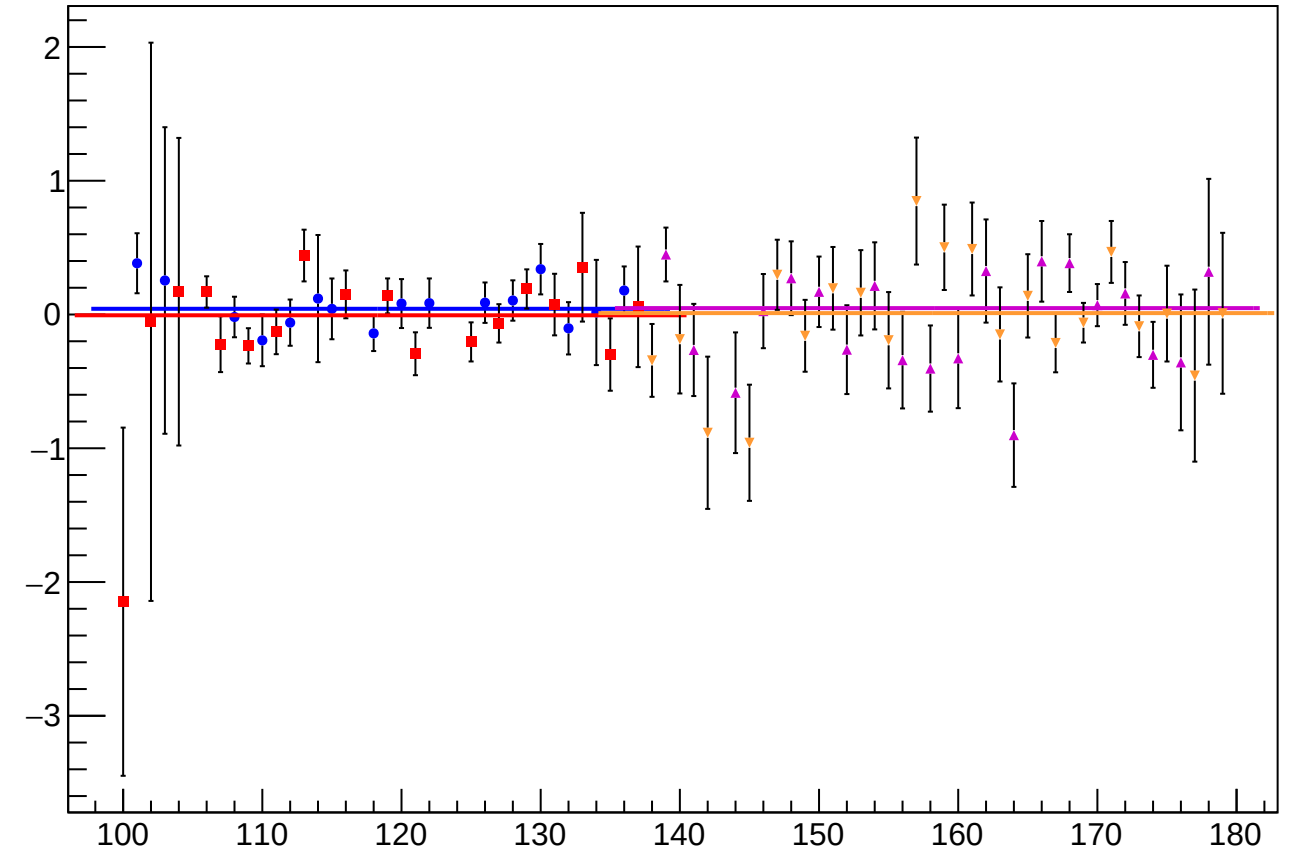
Left: 0.000+/-0.000 χ^2/NDF: 4613877.8/40

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5464911.8/35

Out: 0.000+/-0.000 χ^2/NDF:9707466.7/38

All: 0.000+/-0.000 χ^2/NDF: 17014907.3/74



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.063 χ^2/NDF:26.3/19

Left: 0.029+/-0.045 χ^2/NDF: 52.0/40

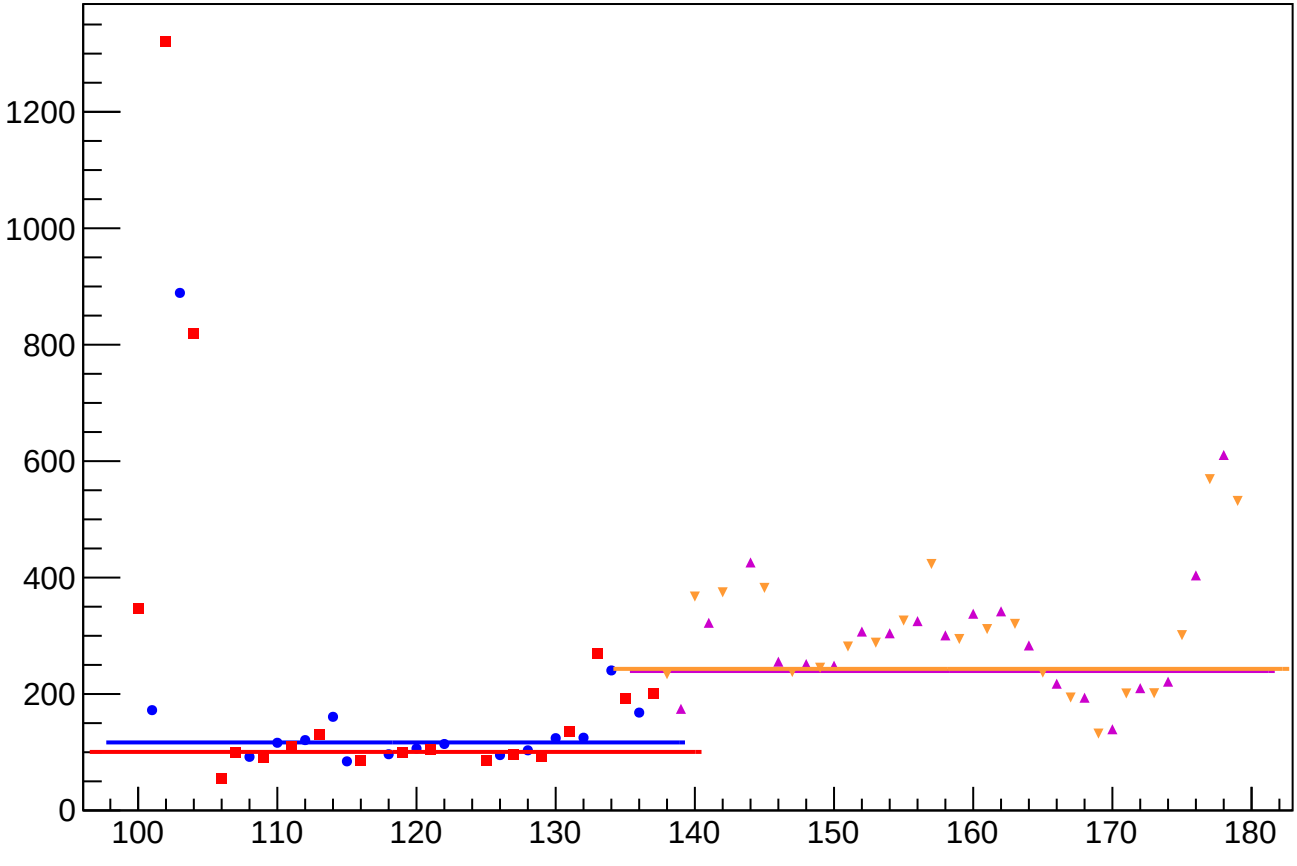
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.021+/-0.026 χ^2/NDF: 88.9/74

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.490+/-0.045 χ^2/NDF:3063102.7/19

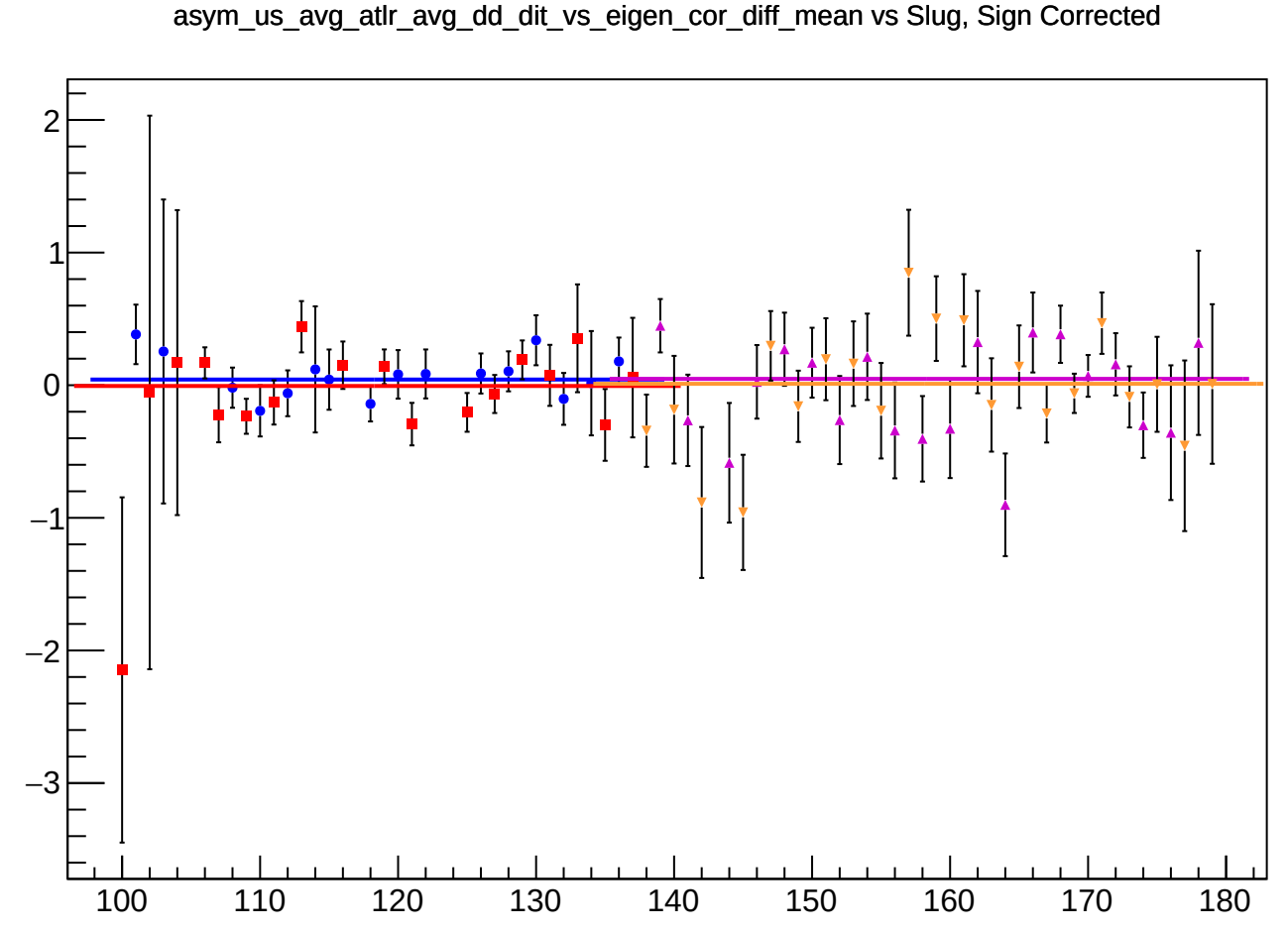
Left: 241.318+/-0.032 χ^2/NDF: 6644843.9/40

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 160.847+/-0.027 χ^2/NDF:9475137.4/35

Out: 145.199+/-0.025 χ^2/NDF:13012286.7/38

All: 152.589+/-0.018 χ^2/NDF: 22666323.4/74



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.063 χ^2/NDF:26.3/19

Left: 0.029+/-0.045 χ^2/NDF: 52.0/40

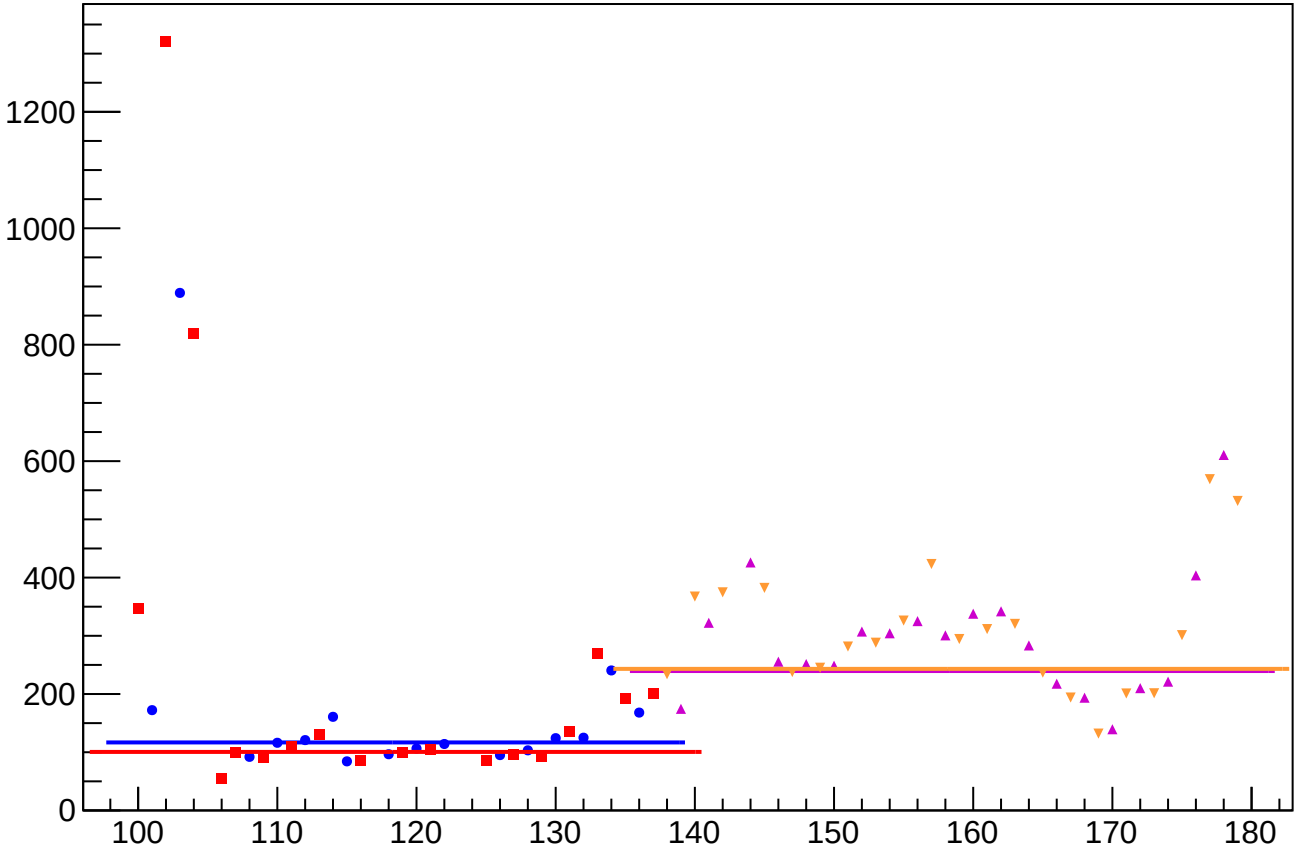
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.021+/-0.026 χ^2/NDF: 88.9/74

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 243.193+/-0.045 χ^2/NDF:3578378.5/20

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 239.490+/-0.045 χ^2/NDF:3063102.7/19

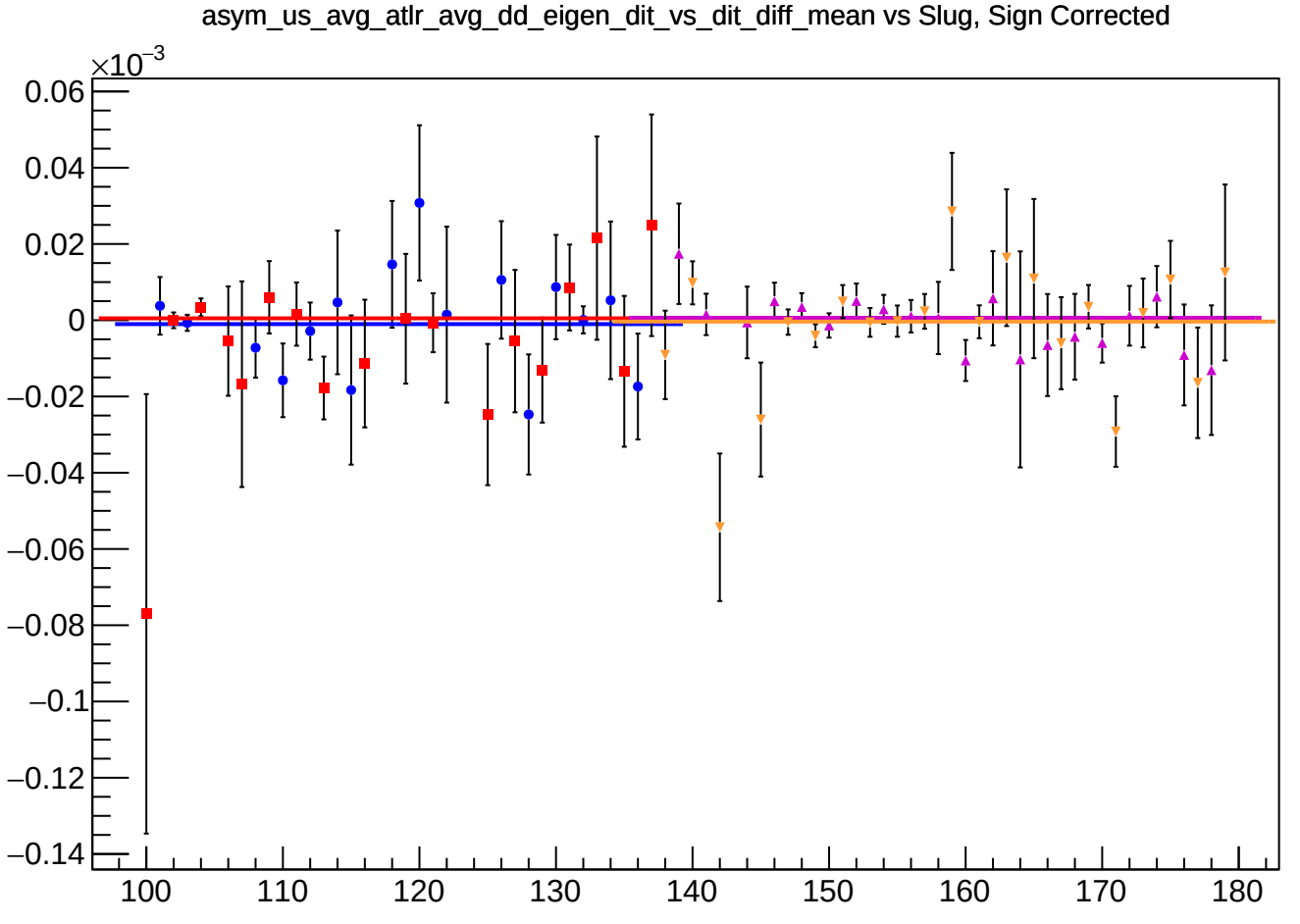
Left: 241.318+/-0.032 χ^2/NDF: 6644843.9/40

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 160.847+/-0.027 χ^2/NDF:9475137.4/35

Out: 145.199+/-0.025 χ^2/NDF:13012286.7/38

All: 152.589+/-0.018 χ^2/NDF: 22666323.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/19

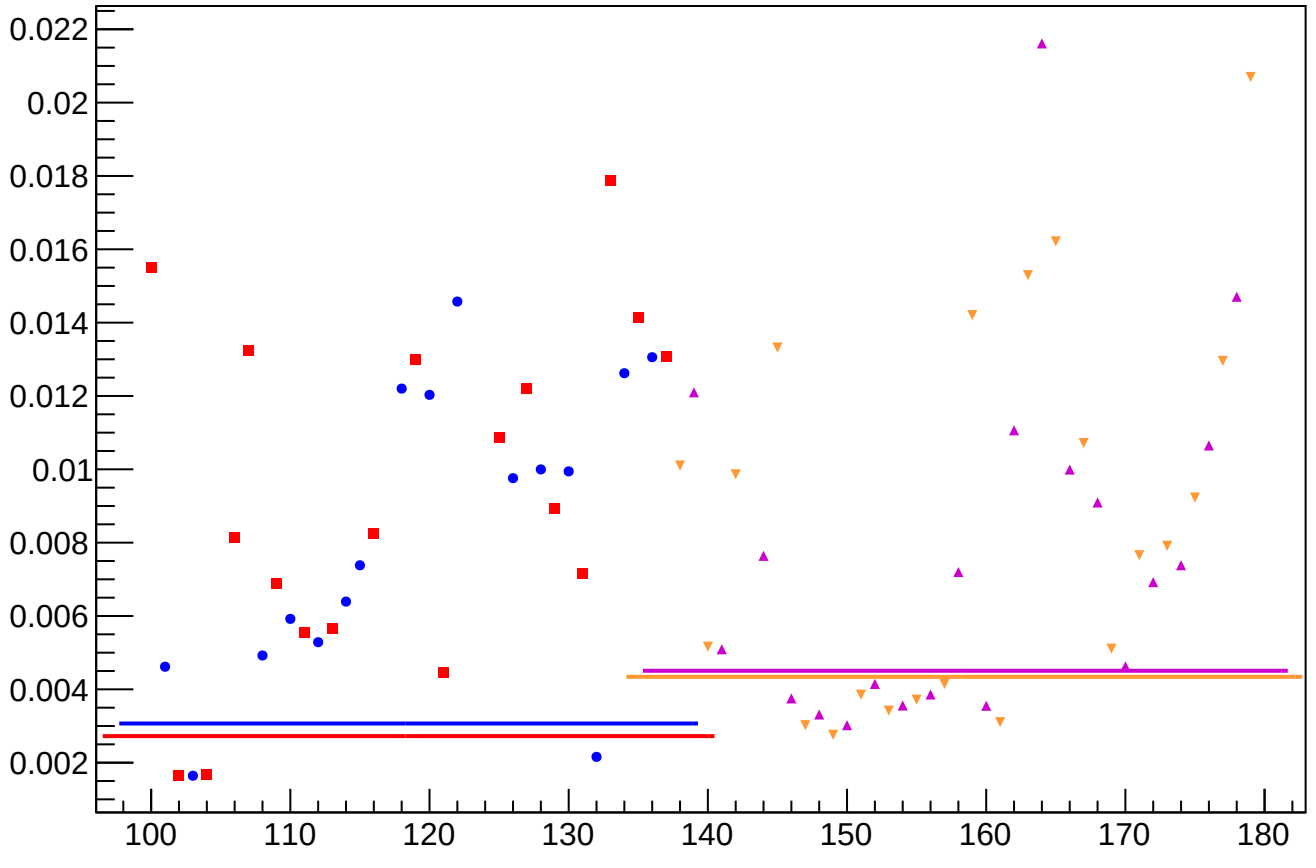
Left: 0.000+/-0.000 χ^2/NDF: 49.3/40

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:26.4/35

Out: 0.000+/-0.000 χ^2/NDF:51.1/38

All: -0.000+/-0.000 χ^2/NDF: 77.5/74



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:8205235.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.005+/-0.000 χ^2/NDF:5575414.5/19

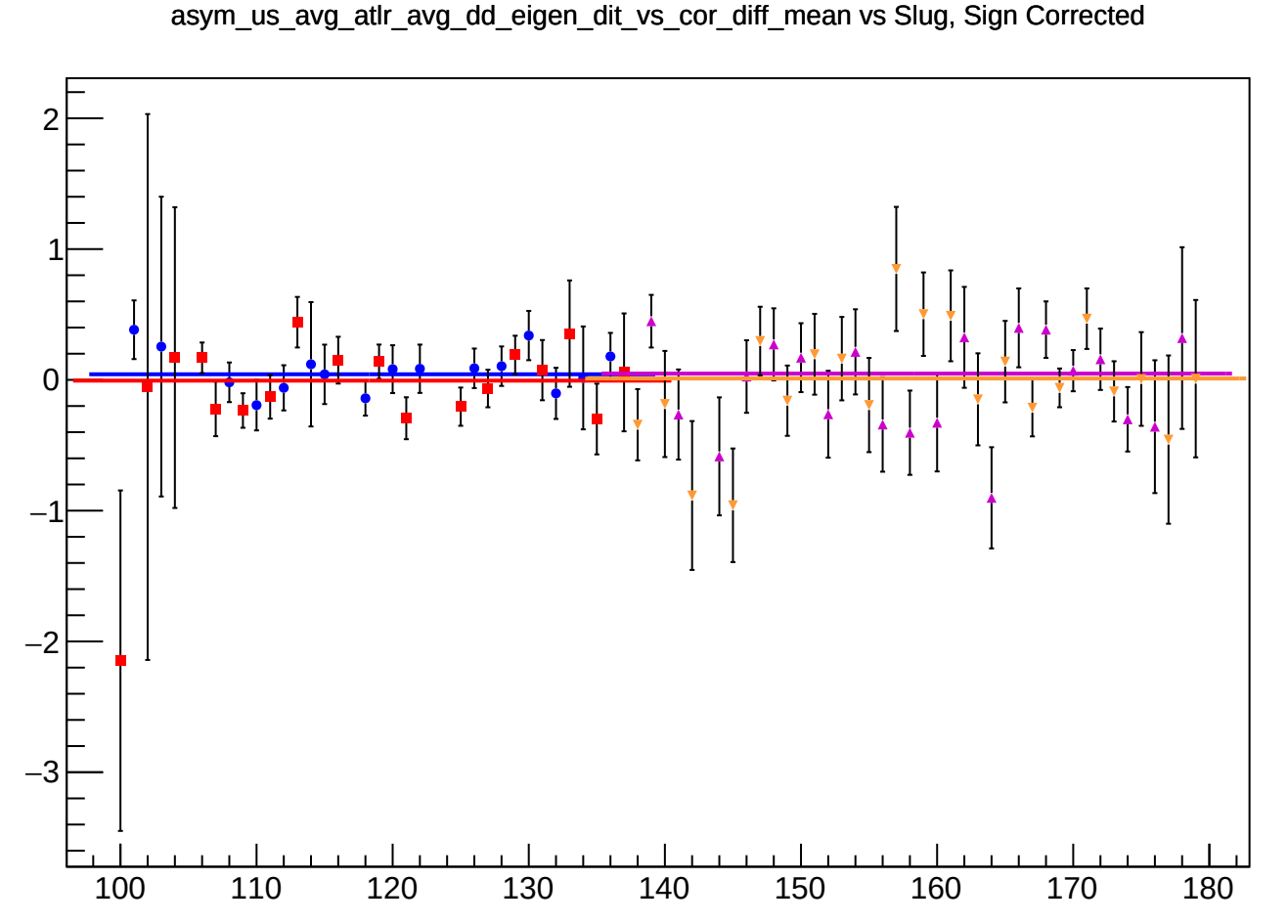
Left: 0.004+/-0.000 χ^2/NDF: 13797152.2/40

Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:12522410.8/35

Out: 0.004+/-0.000 χ^2/NDF:16385189.4/38

All: 0.004+/-0.000 χ^2/NDF: 29011491.7/74



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.063 χ^2/NDF:26.3/19

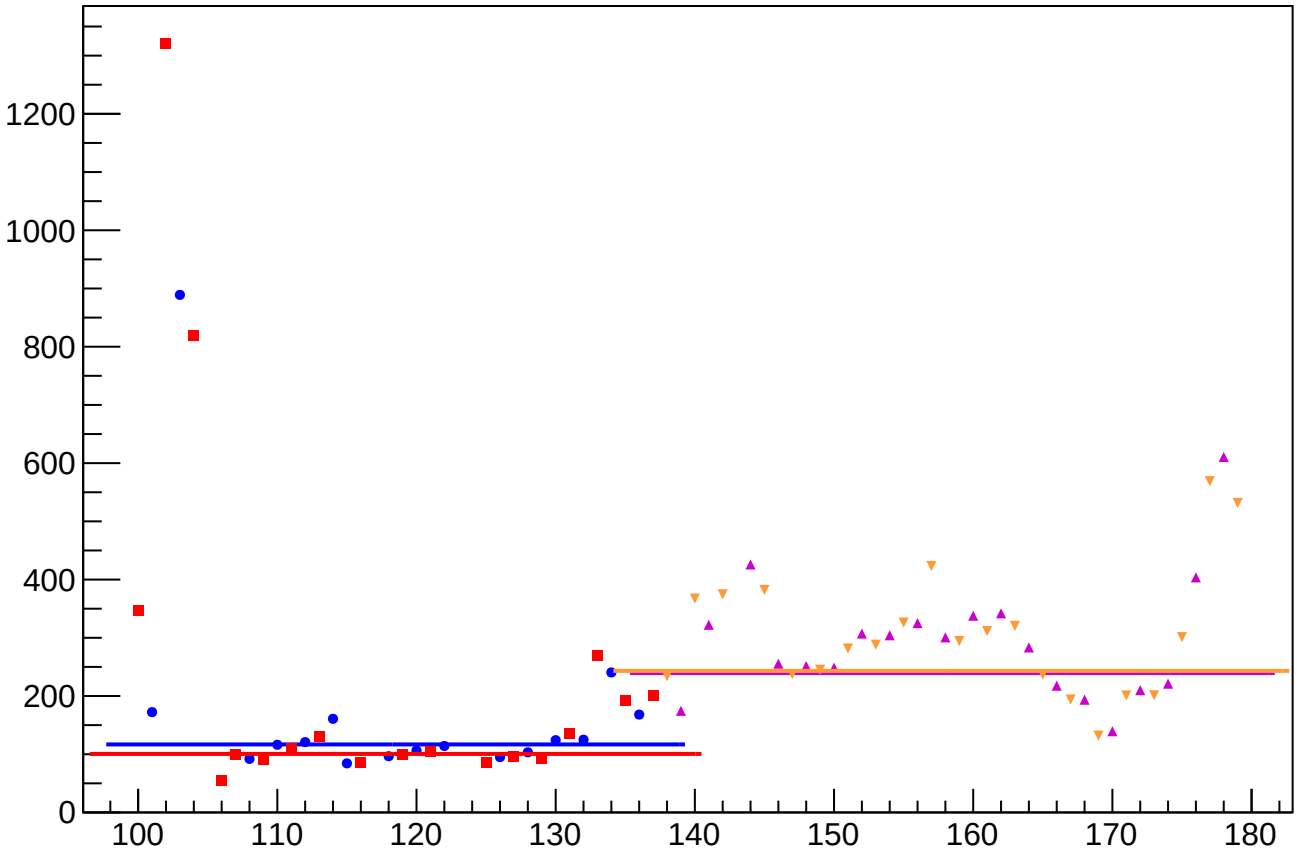
Left: 0.029+/-0.045 χ^2/NDF: 52.0/40

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.021+/-0.026 χ^2/NDF: 88.9/74



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 243.194+/-0.045 χ^2/NDF:3578530.3/20

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

Left: 241.319+/-0.032 χ^2/NDF: 6645041.2/40

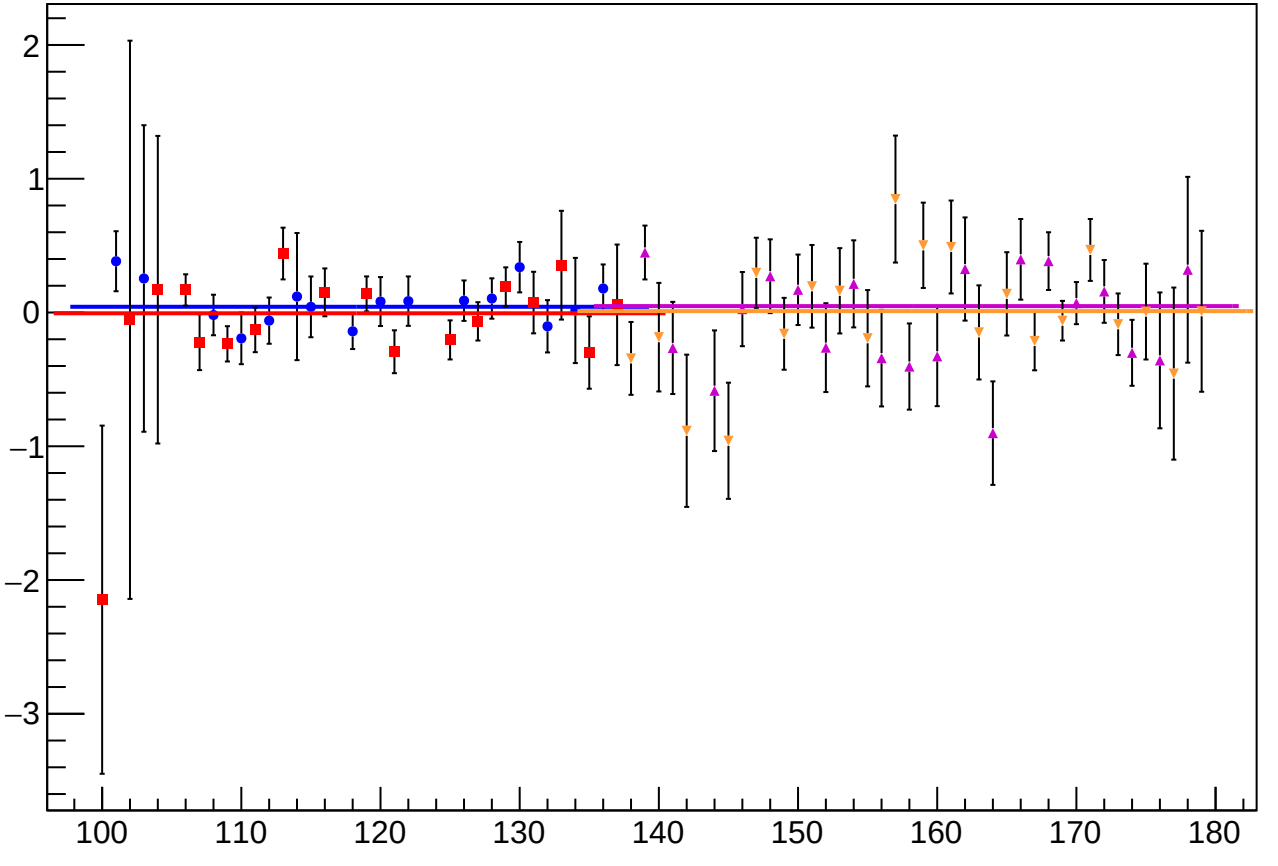
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 160.847+/-0.027 χ^2/NDF:9475267.7/35

Out: 145.198+/-0.025 χ^2/NDF:13012620.4/38

All: 152.588+/-0.018 χ^2/NDF: 22666814.6/74

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.064 χ^2/NDF:25.5/20

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.063 χ^2/NDF:26.3/19

Left: 0.029+/-0.045 χ^2/NDF: 52.0/40

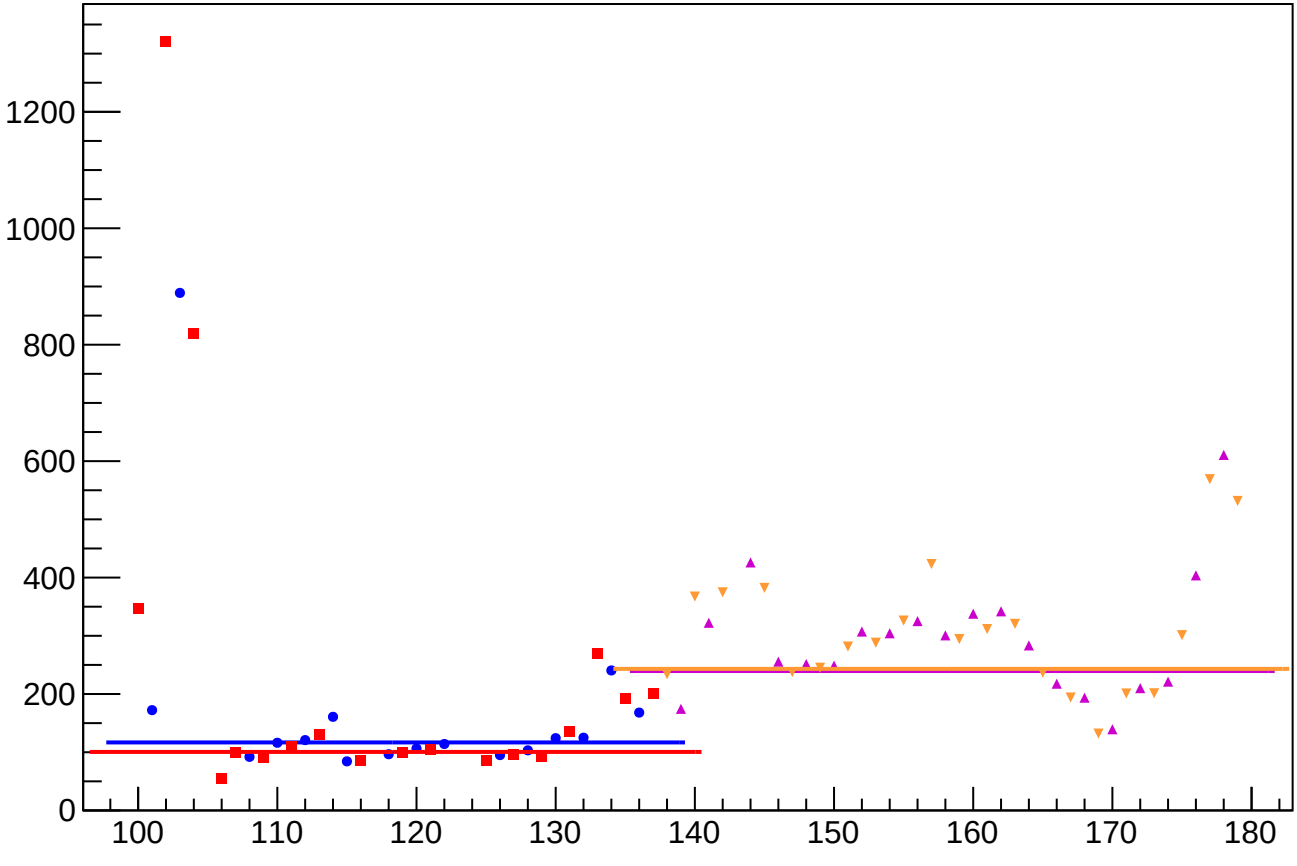
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/38

All: 0.021+/-0.026 χ^2/NDF: 88.9/74

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 243.194+/-0.045 χ^2/NDF:3578530.3/20

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

Left: 241.319+/-0.032 χ^2/NDF: 6645041.2/40

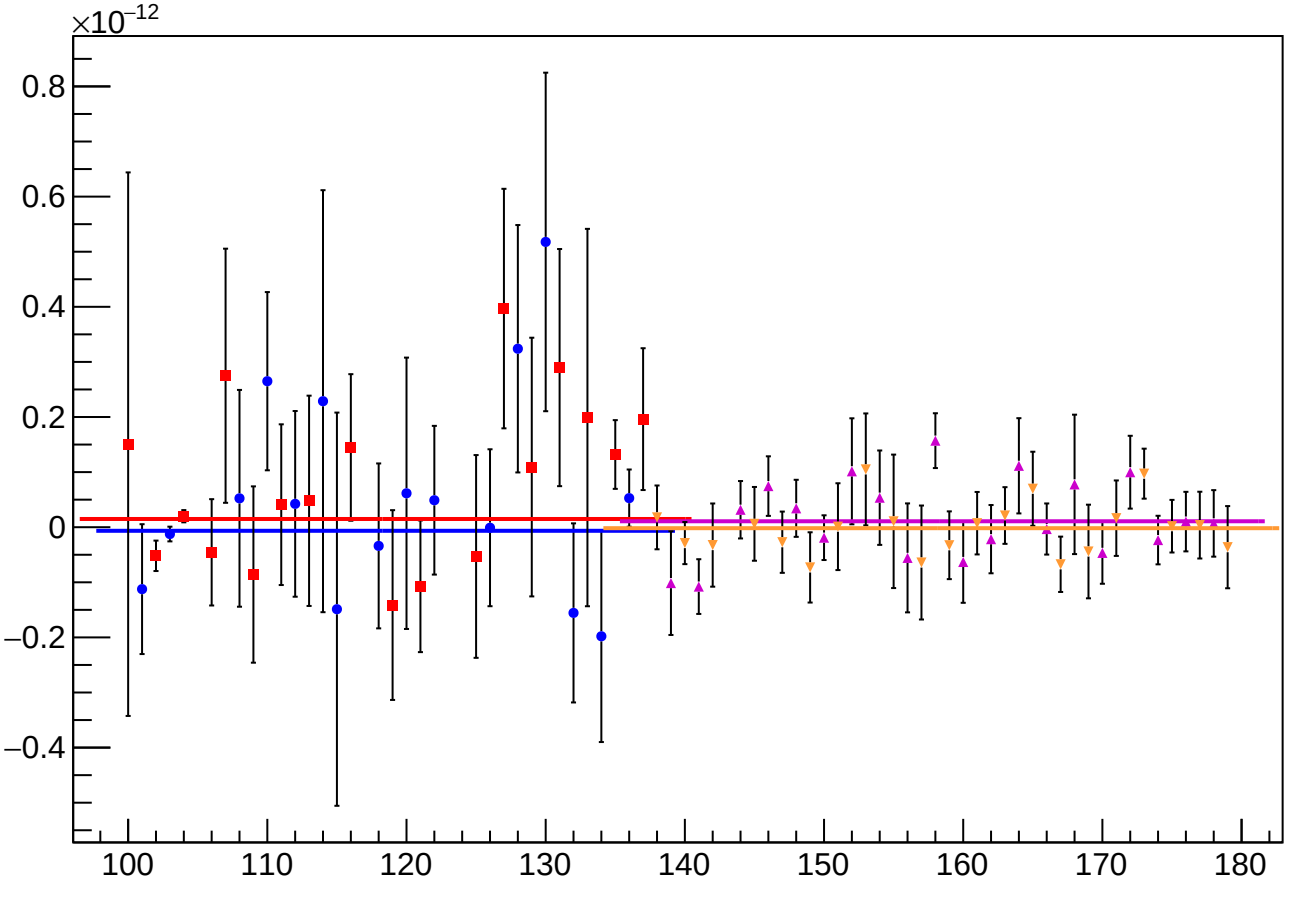
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 160.847+/-0.027 χ^2/NDF:9475267.7/35

Out: 145.198+/-0.025 χ^2/NDF:13012620.4/38

All: 152.588+/-0.018 χ^2/NDF: 22666814.6/74

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/19

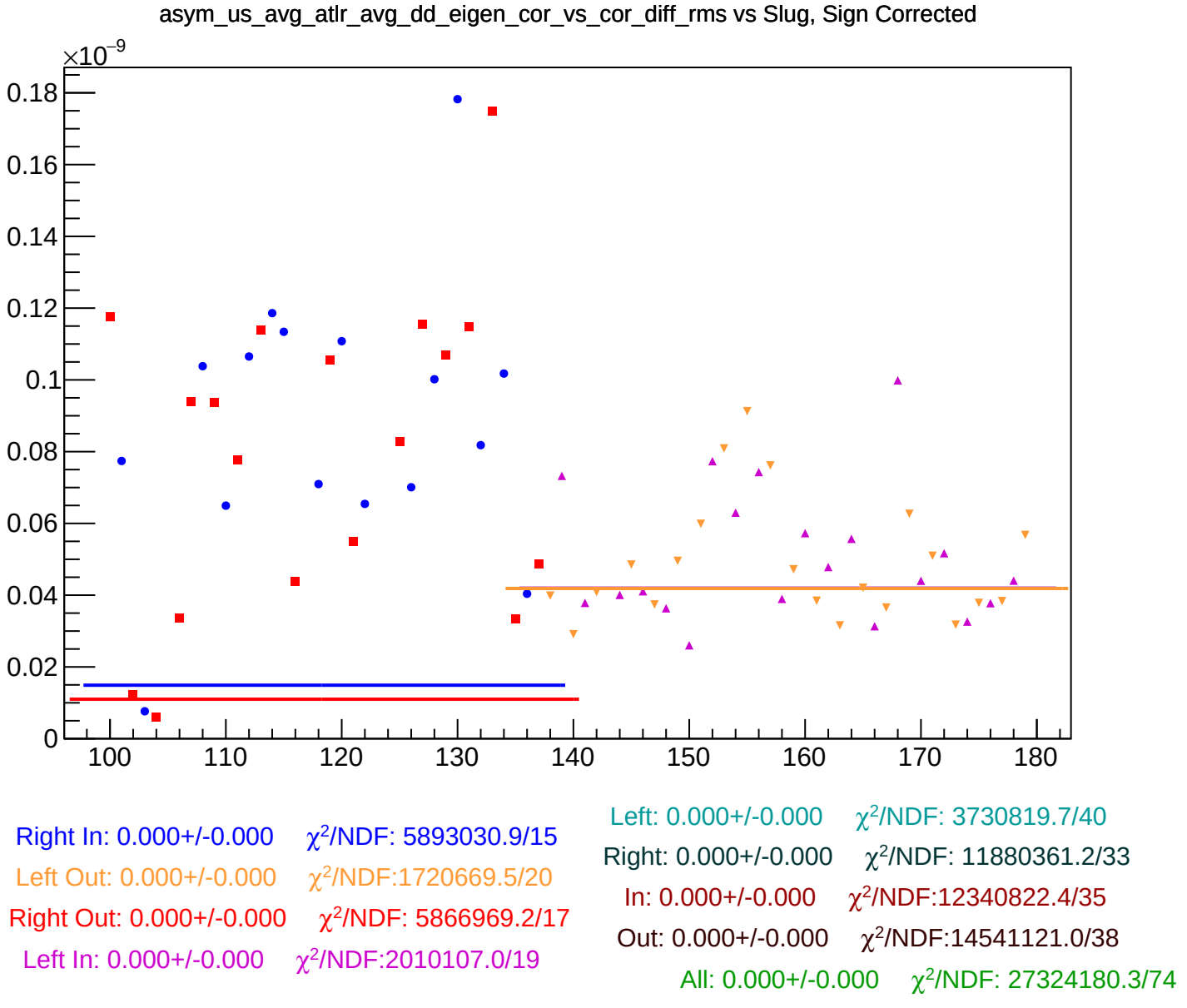
Left: 0.000+/-0.000 χ^2/NDF: 38.9/40

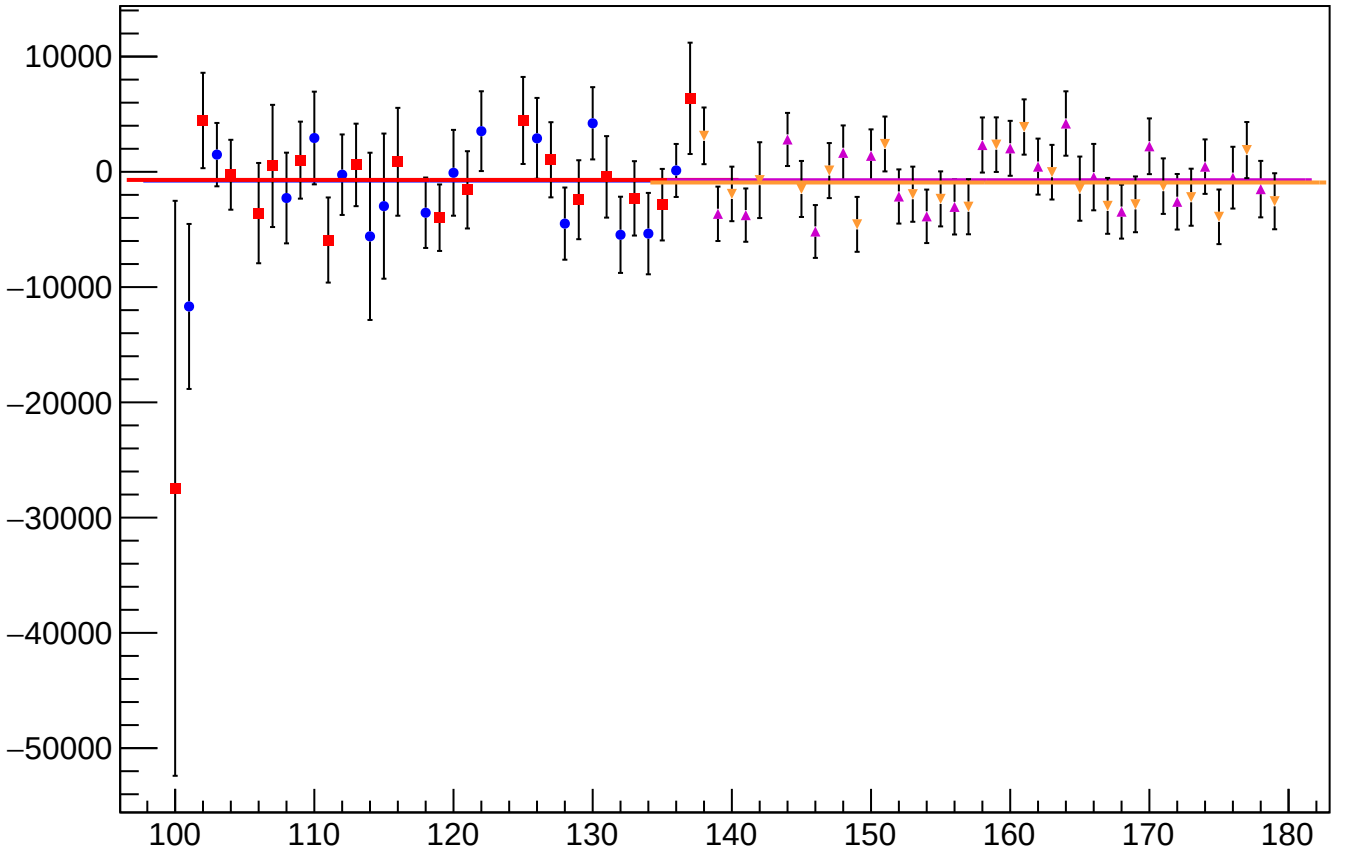
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.1/35

Out: 0.000+/-0.000 χ^2/NDF:35.3/38

All: 0.000+/-0.000 χ^2/NDF: 75.7/74


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1720669.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:2010107.0/19
Left: 0.000+/-0.000 χ²/NDF: 3730819.7/40
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:12340822.4/35
Out: 0.000+/-0.000 χ²/NDF:14541121.0/38
All: 0.000+/-0.000 χ²/NDF: 27324180.3/74



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -925.196+/-533.679 χ^2/NDF:19.8/20

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -729.289+/-539.717 χ^2/NDF:24.5/19

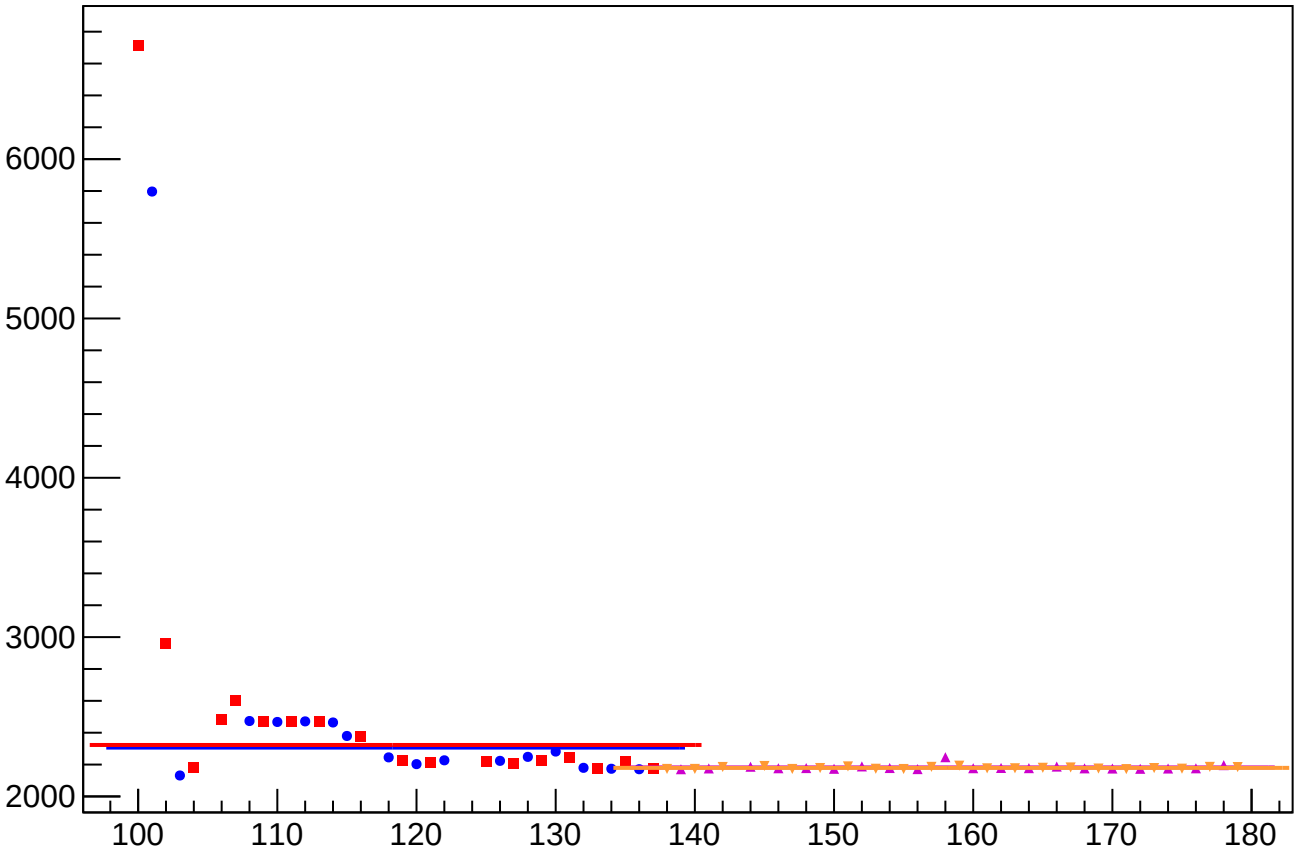
Left: -828.345+/-379.485 χ^2/NDF: 44.3/40

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -736.207+/-459.019 χ^2/NDF:40.3/35

Out: -864.088+/-454.716 χ^2/NDF:32.2/38

All: -800.750+/-323.043 χ^2/NDF: 72.6/74



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.283+/-0.377 χ^2/NDF:305.5/20

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

Left: 2180.655+/-0.268 χ^2/NDF: 2111.4/40

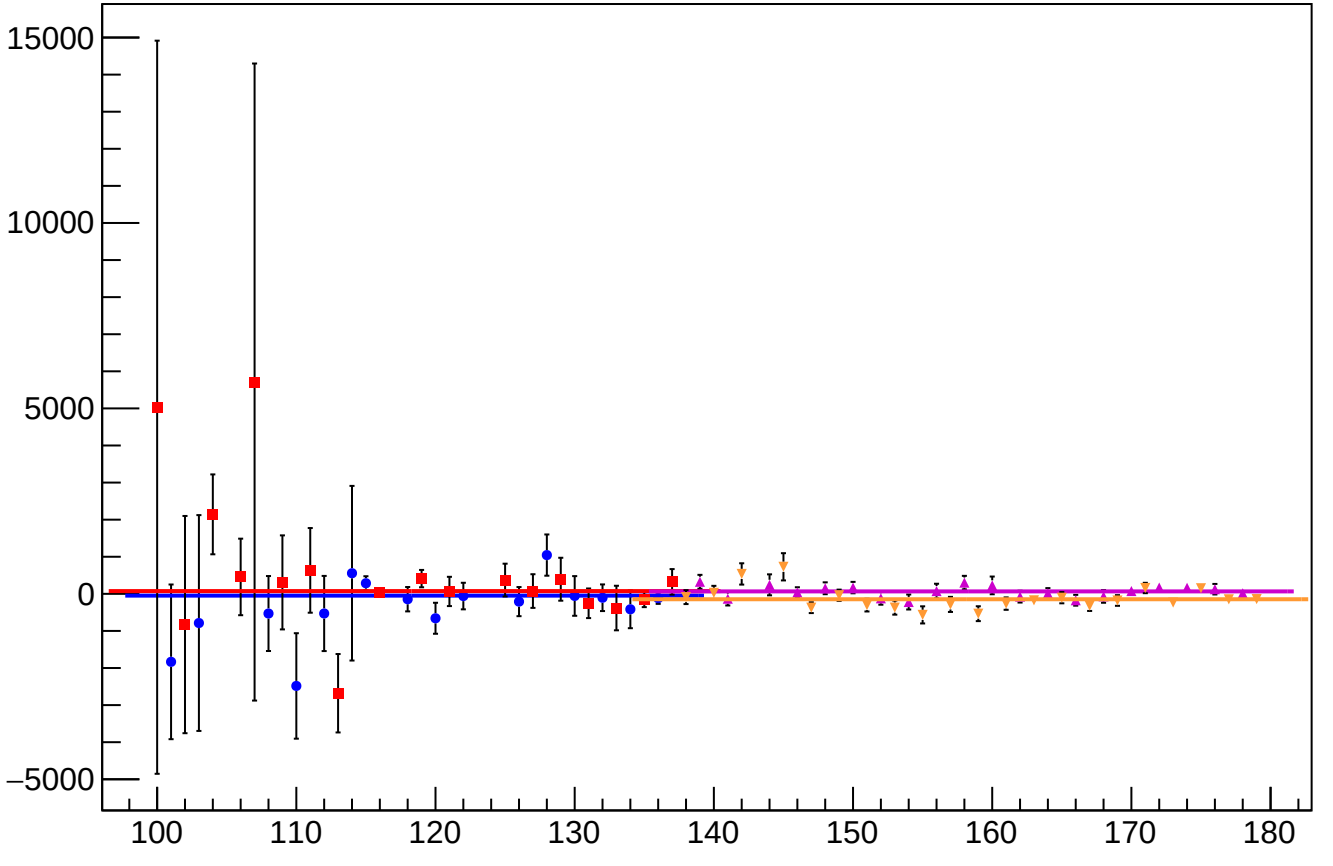
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2216.528+/-0.325 χ^2/NDF:545415.3/35

Out: 2218.669+/-0.322 χ^2/NDF:191843.0/38

All: 2217.609+/-0.228 χ^2/NDF: 737280.3/74

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -145.726+/-33.962 χ^2/NDF:39.4/20

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 65.897+/-34.210 χ^2/NDF:15.9/19

Left: -40.686+/-24.102 χ^2/NDF: 74.5/40

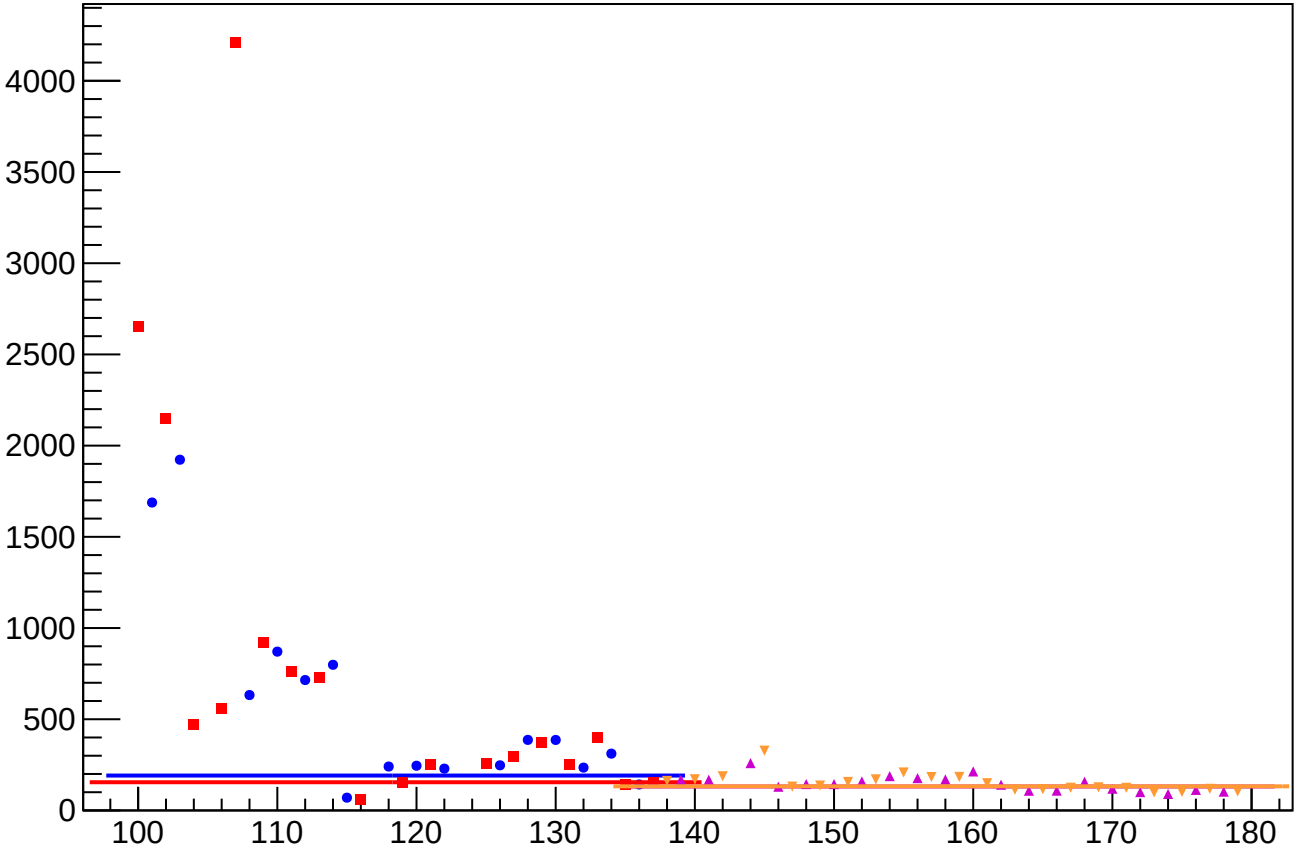
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 51.779+/-32.018 χ^2/NDF:31.6/35

Out: -113.781+/-31.398 χ^2/NDF:63.1/38

All: -32.619+/-22.418 χ^2/NDF: 108.4/74

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 132.239+/-0.024 χ^2/NDF:1921098.6/20

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 131.379+/-0.024 χ^2/NDF:2038219.5/19

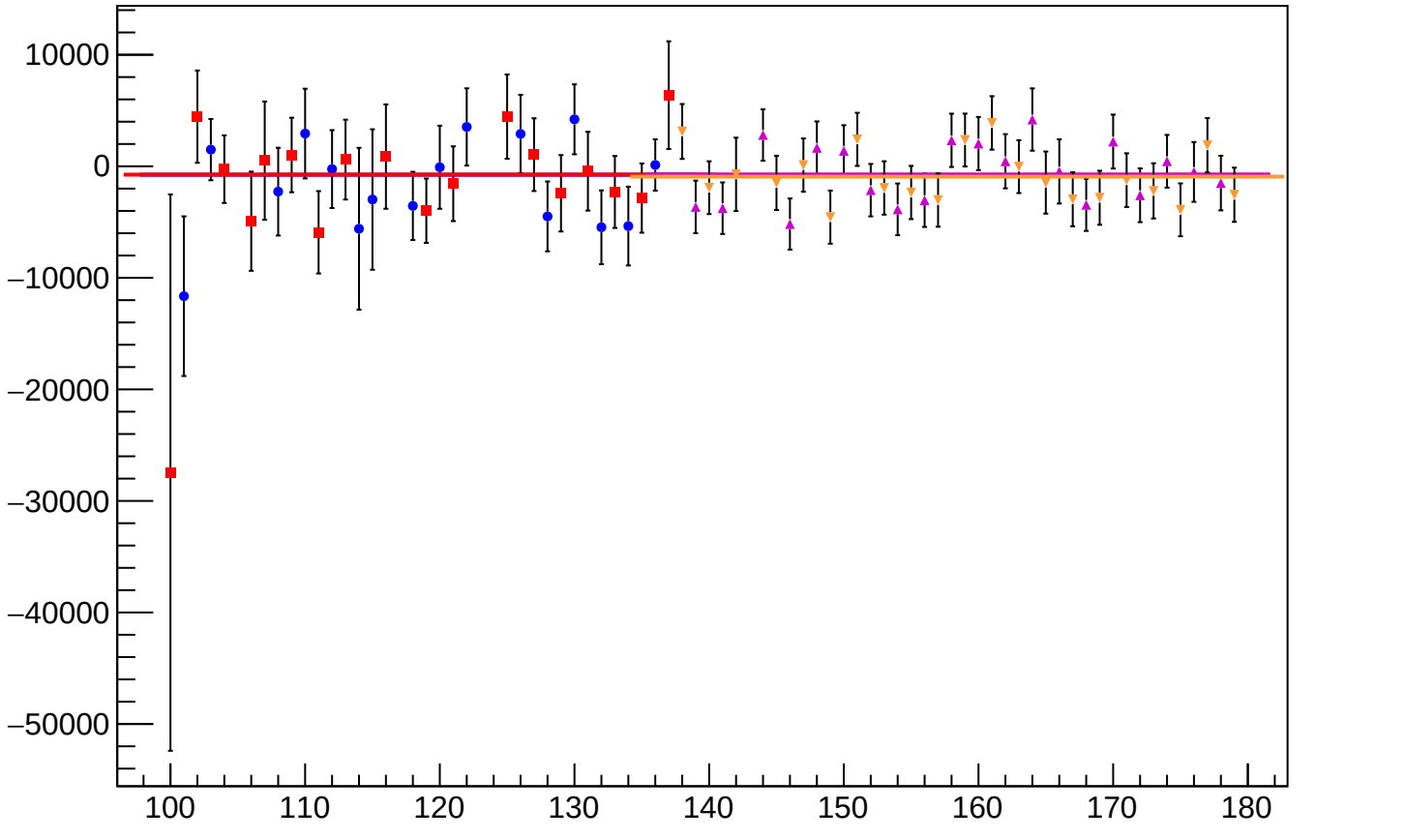
Left: 131.812+/-0.017 χ^2/NDF: 3959954.6/40

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 138.821+/-0.023 χ^2/NDF:7866073.5/35

Out: 135.498+/-0.022 χ^2/NDF:8202193.5/38

All: 137.127+/-0.016 χ^2/NDF: 16079247.9/74



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -925.162+/-533.679 χ^2/NDF:19.8/20

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -729.273+/-539.717 χ^2/NDF:24.5/19

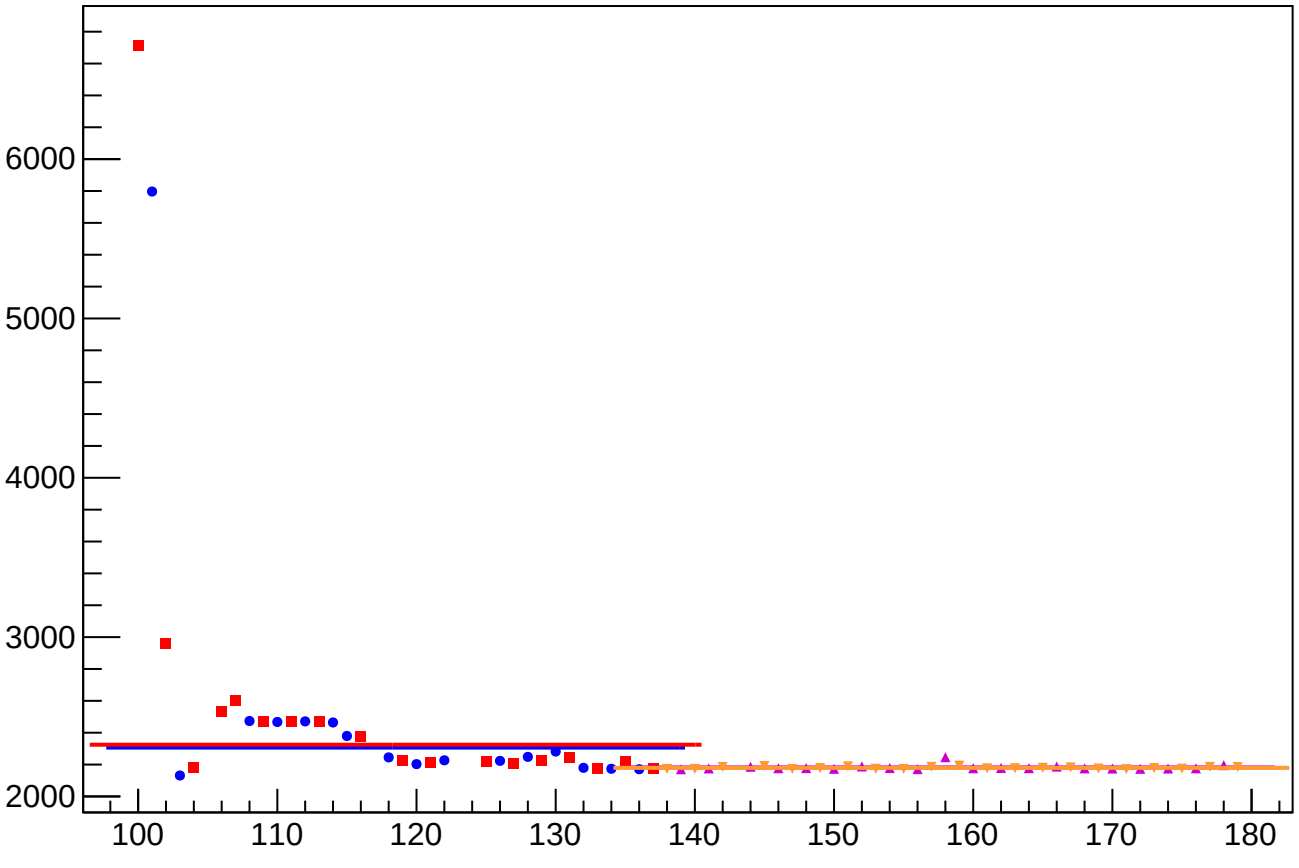
Left: -828.320+/-379.485 χ^2/NDF: 44.3/40

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -735.927+/-459.019 χ^2/NDF:40.3/35

Out: -877.034+/-454.819 χ^2/NDF:32.7/38

All: -807.129+/-323.080 χ^2/NDF: 73.0/74



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

Left: 2180.655+/-0.268 χ^2/NDF: 2111.4/40

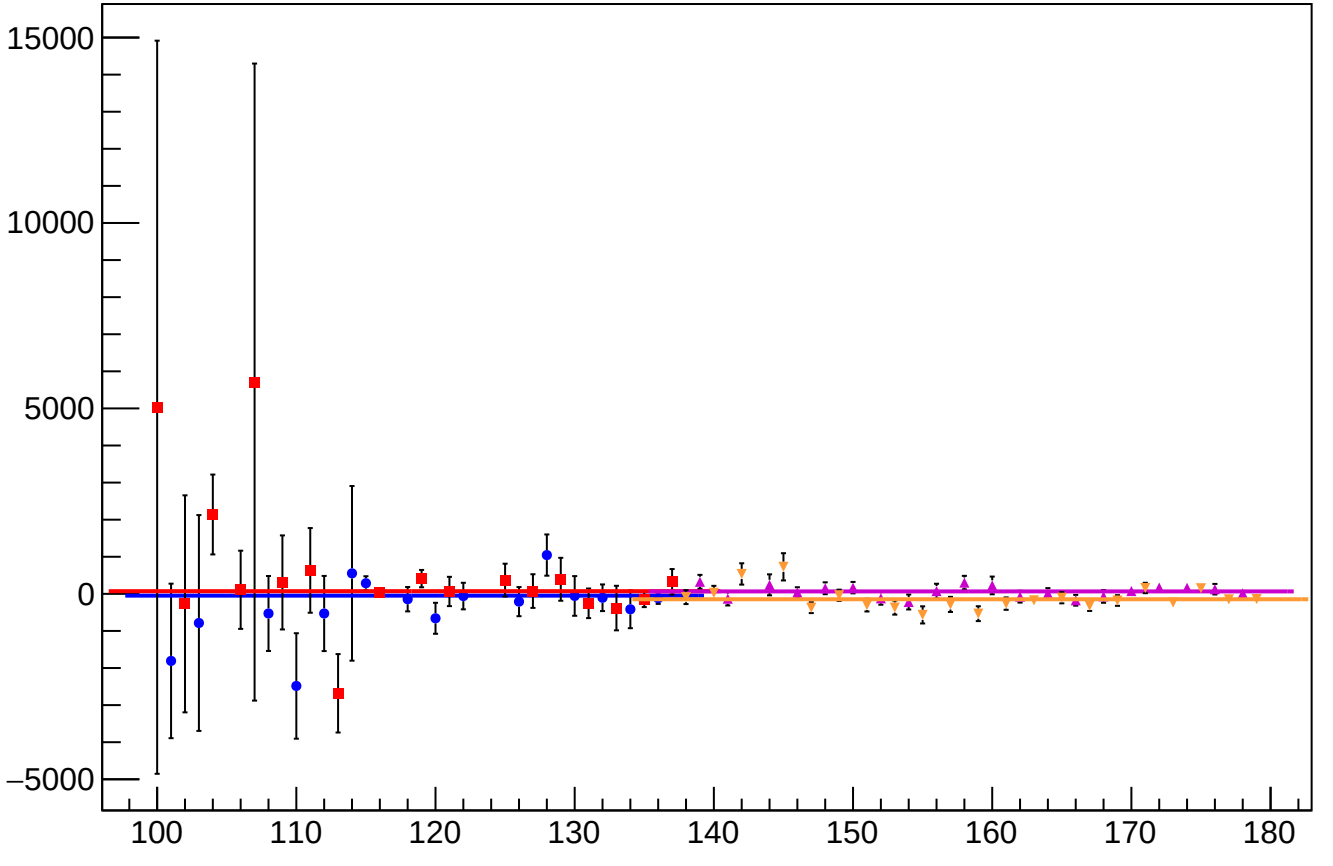
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2216.528+/-0.325 χ^2/NDF:545415.7/35

Out: 2219.080+/-0.322 χ^2/NDF:194517.0/38

All: 2217.816+/-0.228 χ^2/NDF: 739963.9/74

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.625+/-33.963 χ^2/NDF:39.4/20

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 65.836+/-34.213 χ^2/NDF:15.9/19

Left: -40.670+/-24.103 χ^2/NDF: 74.5/40

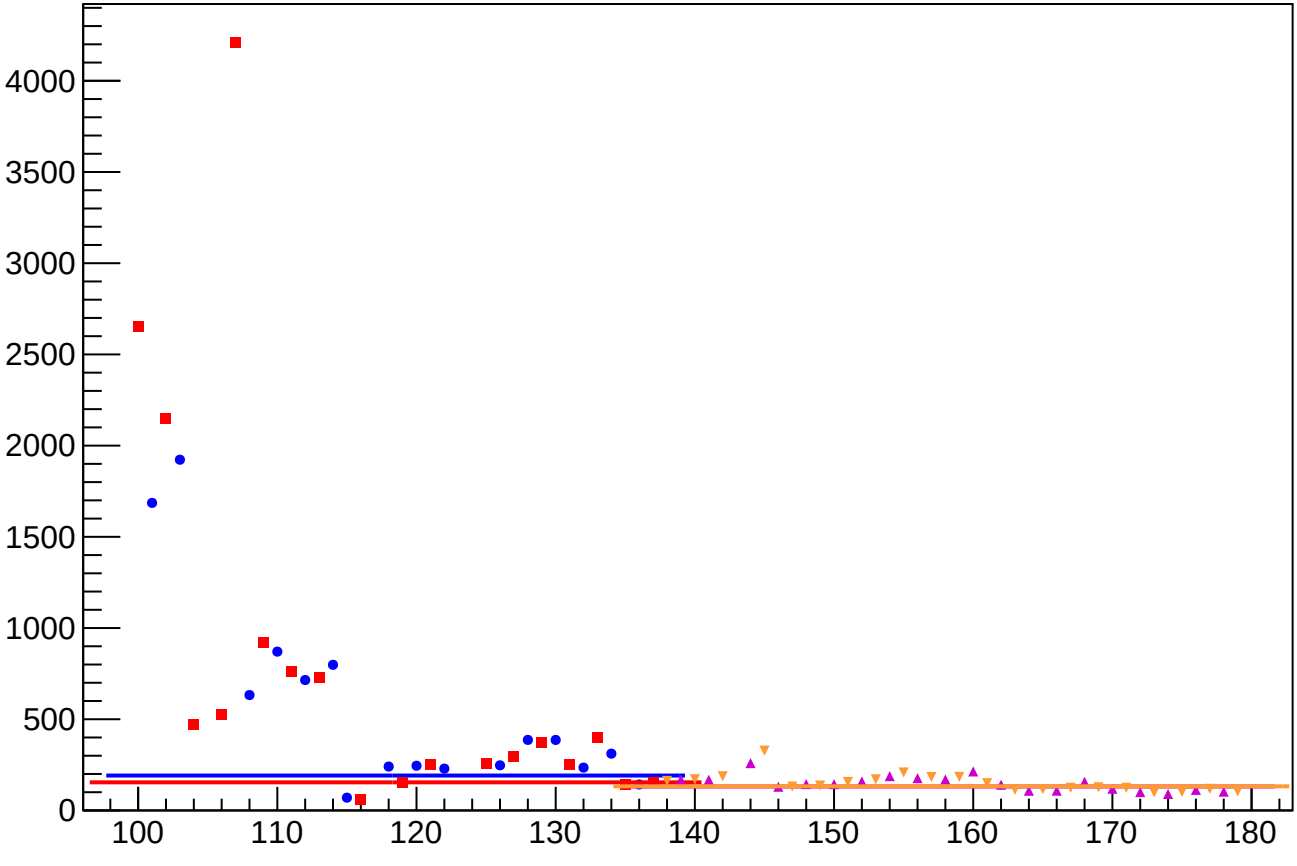
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 51.721+/-32.021 χ^2/NDF:31.6/35

Out: -113.943+/-31.396 χ^2/NDF:62.8/38

All: -32.744+/-22.418 χ^2/NDF: 108.0/74

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

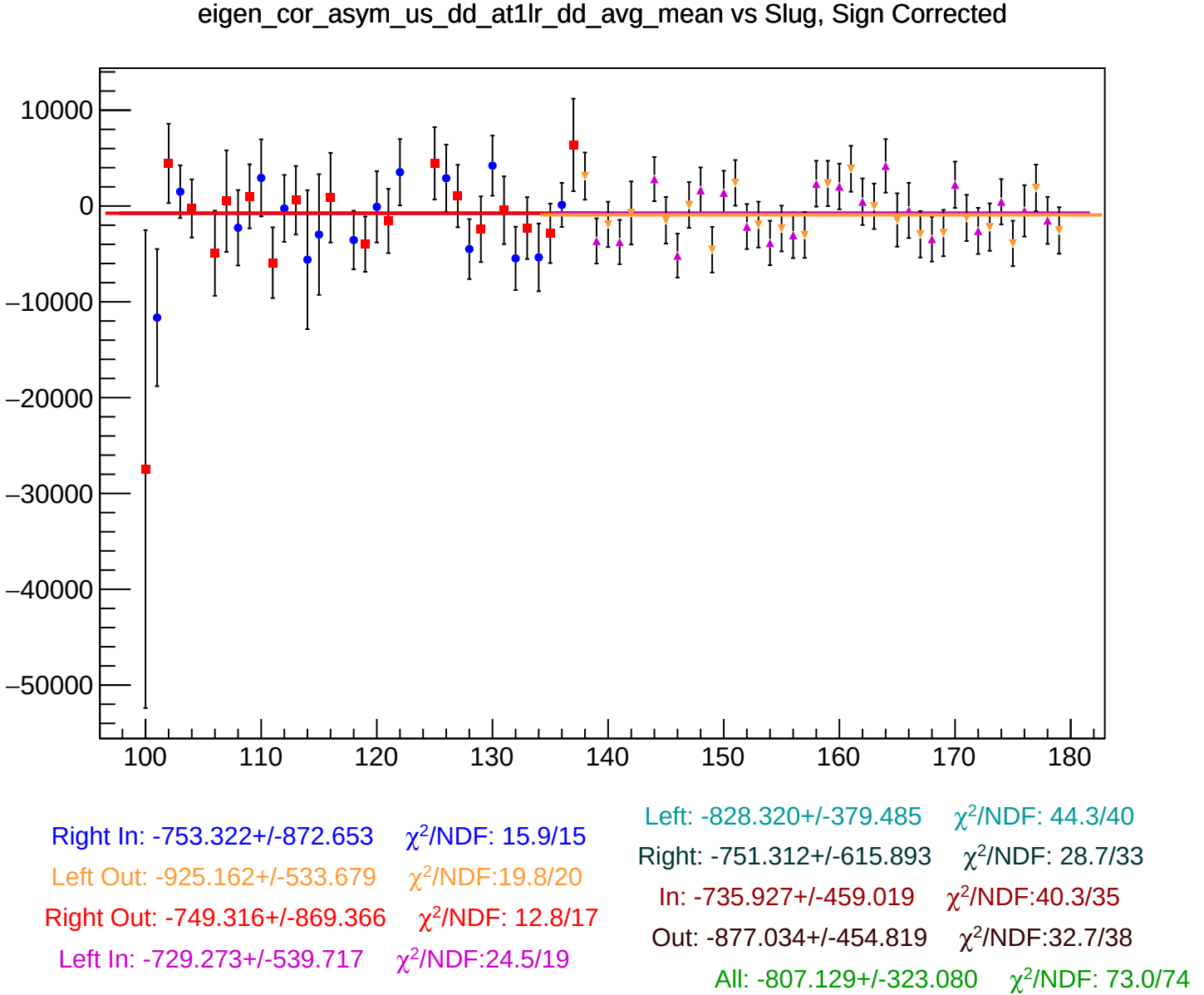
Left: 131.819+/-0.017 χ^2/NDF: 3959781.8/40

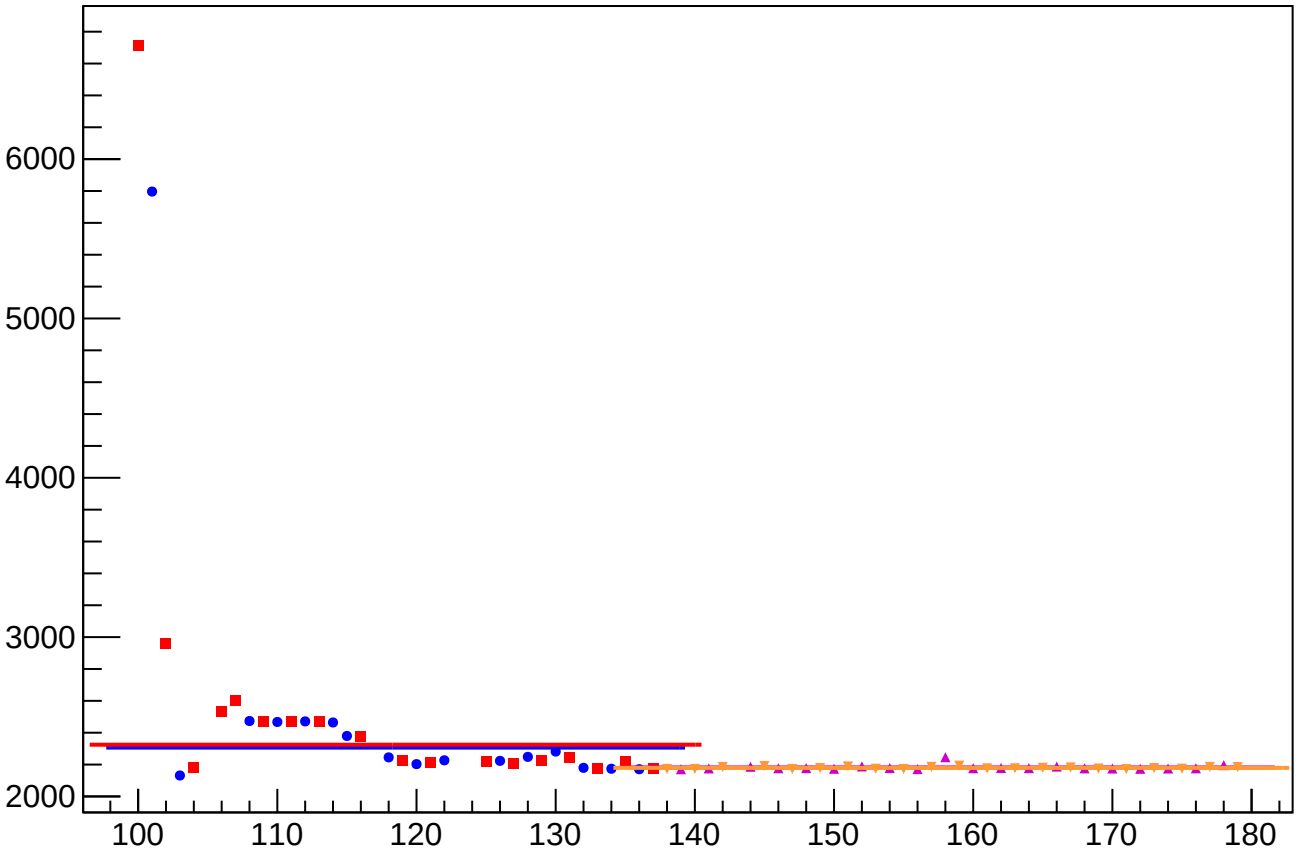
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 138.833+/-0.023 χ^2/NDF:7865363.9/35

Out: 135.424+/-0.022 χ^2/NDF:8150148.9/38

All: 137.095+/-0.016 χ^2/NDF: 16027069.3/74


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -925.162+/-533.679 χ²/NDF:19.8/20
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -729.273+/-539.717 χ²/NDF:24.5/19
Left: -828.320+/-379.485 χ²/NDF: 44.3/40
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -735.927+/-459.019 χ²/NDF:40.3/35
Out: -877.034+/-454.819 χ²/NDF:32.7/38
All: -807.129+/-323.080 χ²/NDF: 73.0/74



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.284+/-0.377 χ^2/NDF:305.5/20

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.058+/-0.382 χ^2/NDF:1779.2/19

Left: 2180.655+/-0.268 χ^2/NDF: 2111.4/40

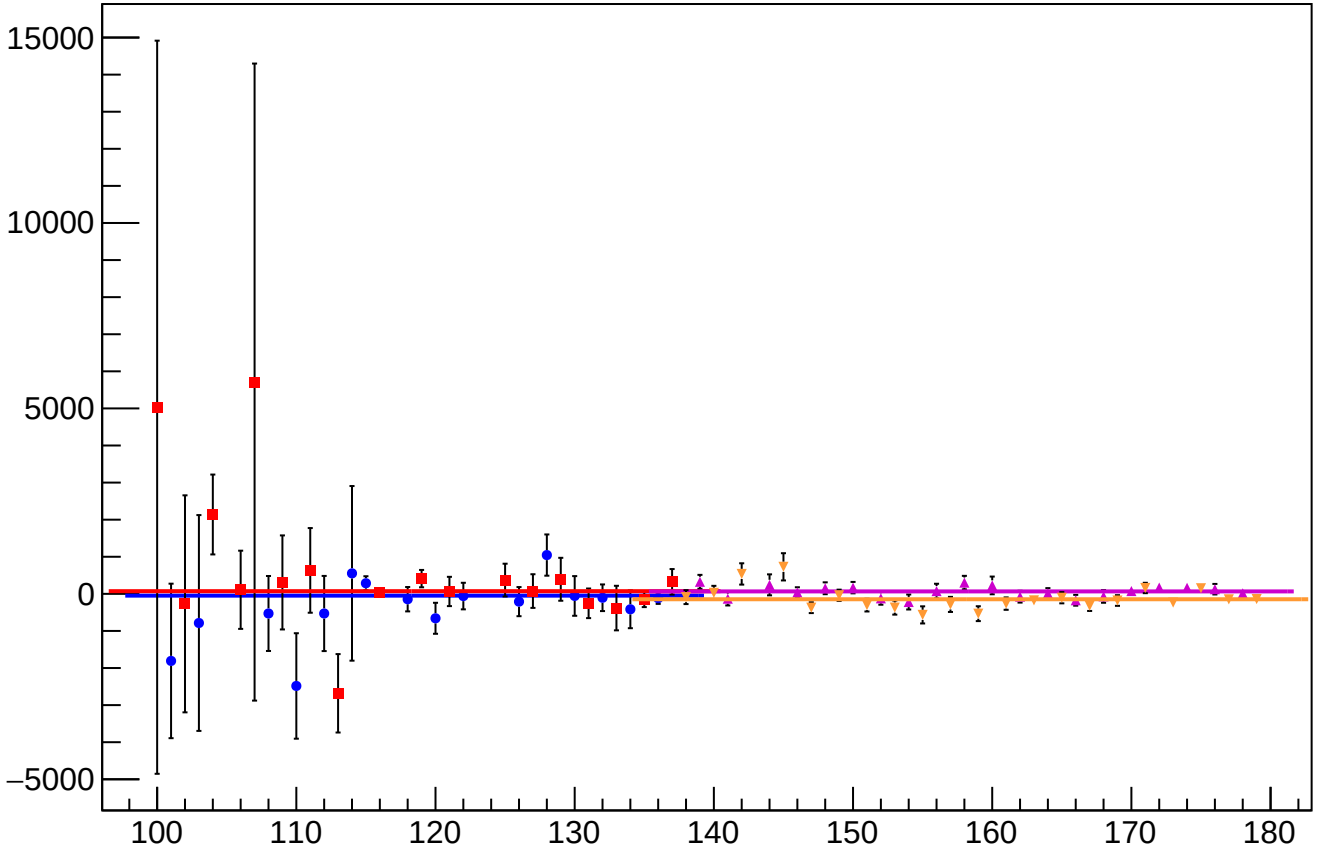
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2216.528+/-0.325 χ^2/NDF:545415.7/35

Out: 2219.080+/-0.322 χ^2/NDF:194517.0/38

All: 2217.816+/-0.228 χ^2/NDF: 739963.9/74

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -145.625+/-33.963 χ^2/NDF:39.4/20

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 65.836+/-34.213 χ^2/NDF:15.9/19

Left: -40.670+/-24.103 χ^2/NDF: 74.5/40

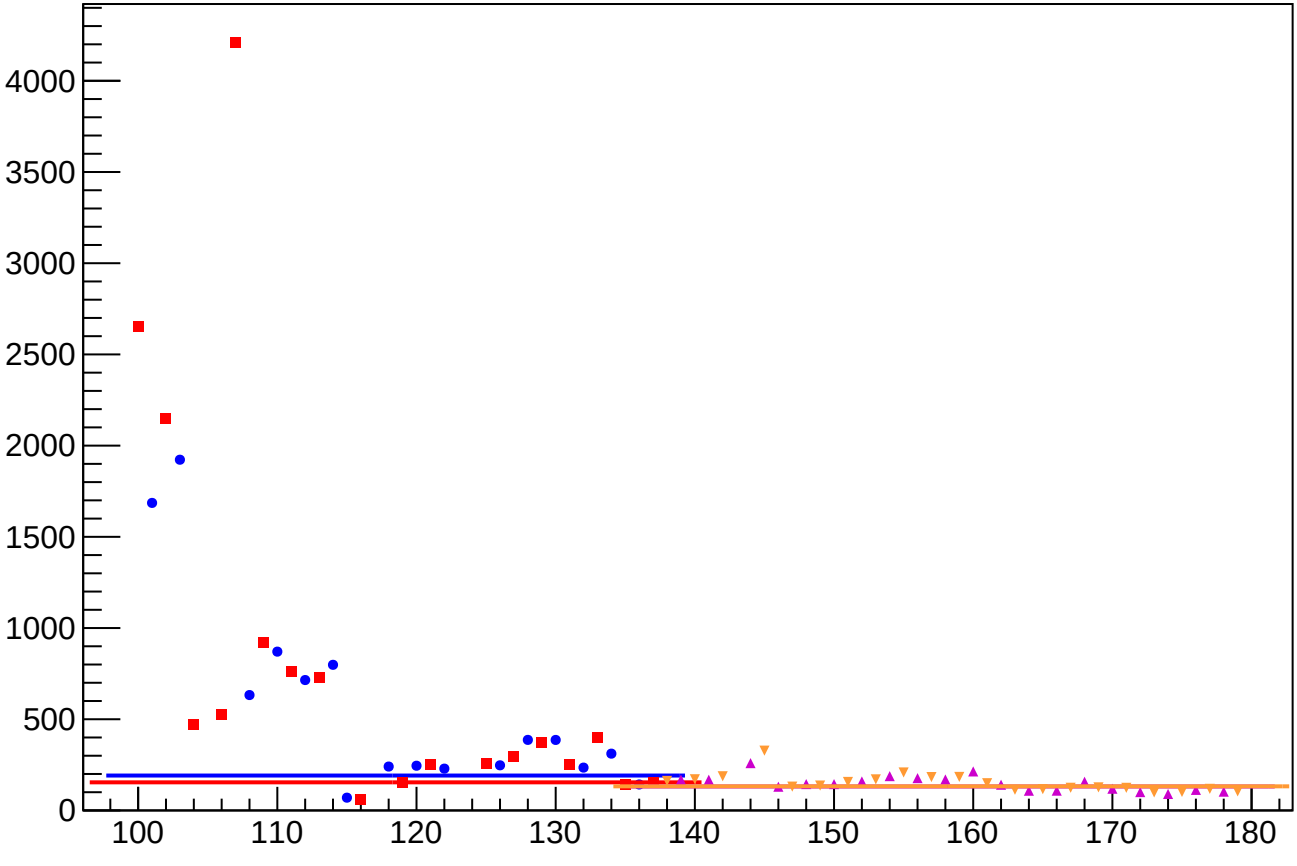
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 51.721+/-32.021 χ^2/NDF:31.6/35

Out: -113.943+/-31.396 χ^2/NDF:62.8/38

All: -32.744+/-22.418 χ^2/NDF: 108.0/74

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 132.242+/-0.024 χ^2/NDF:1920759.7/20

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

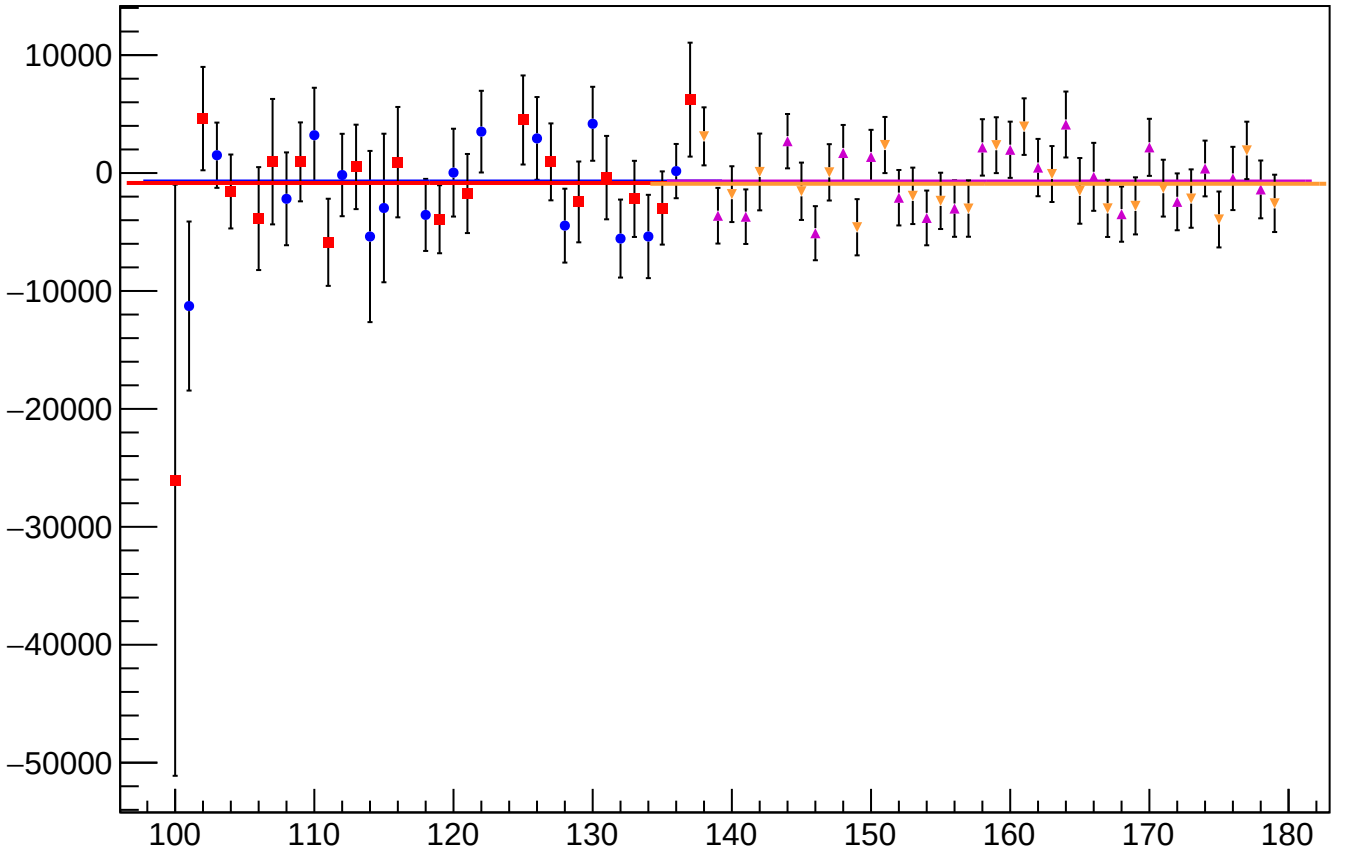
Left: 131.819+/-0.017 χ^2/NDF: 3959781.8/40

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 138.833+/-0.023 χ^2/NDF:7865363.9/35

Out: 135.424+/-0.022 χ^2/NDF:8150148.9/38

All: 137.095+/-0.016 χ^2/NDF: 16027069.3/74



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.460+/-533.721 χ^2/NDF:20.0/20

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -718.575+/-539.917 χ^2/NDF:23.5/19

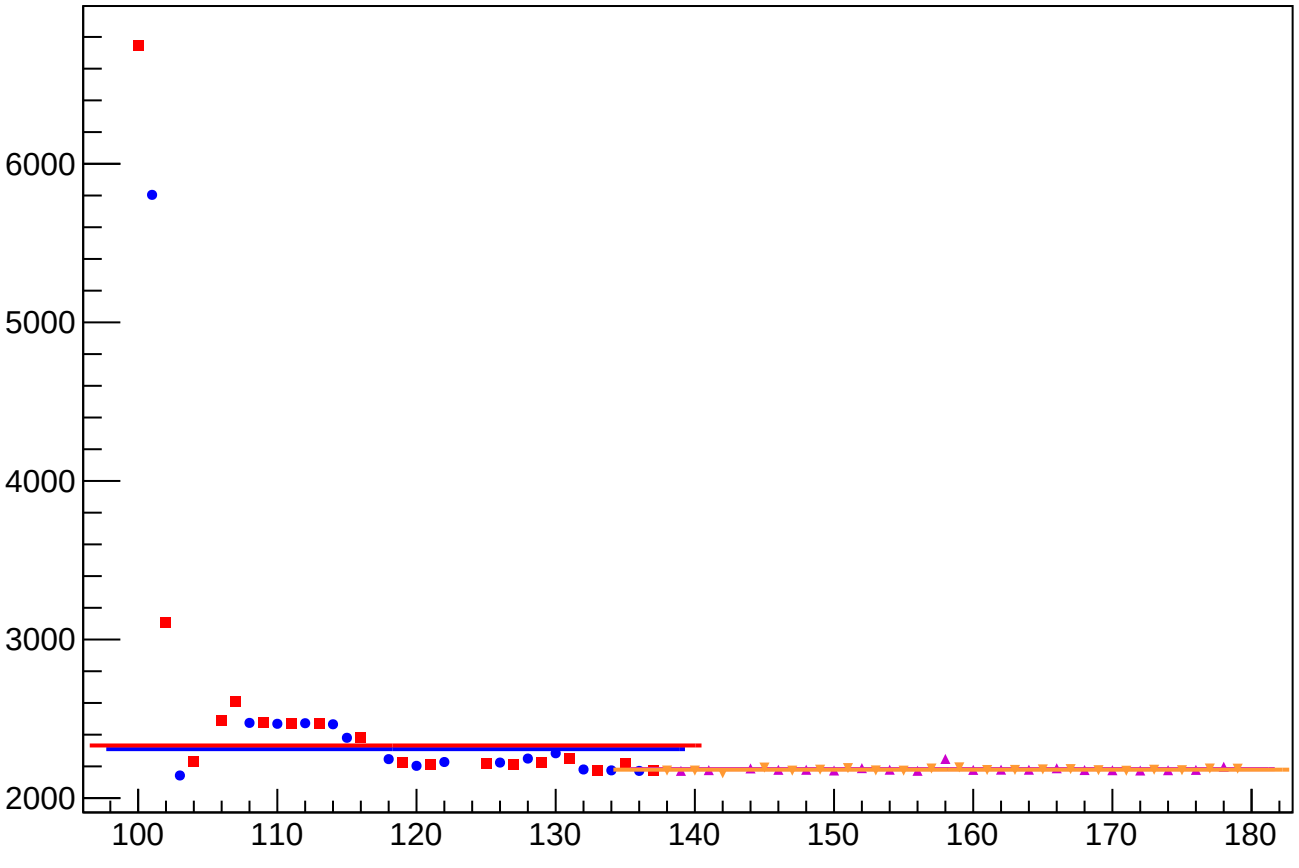
Left: -815.119+/-379.569 χ^2/NDF: 43.6/40

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -718.177+/-459.272 χ^2/NDF:39.4/35

Out: -891.166+/-455.446 χ^2/NDF:32.2/38

All: -805.395+/-323.393 χ^2/NDF: 71.6/74



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.868+/-0.382 χ^2/NDF:1774.2/19

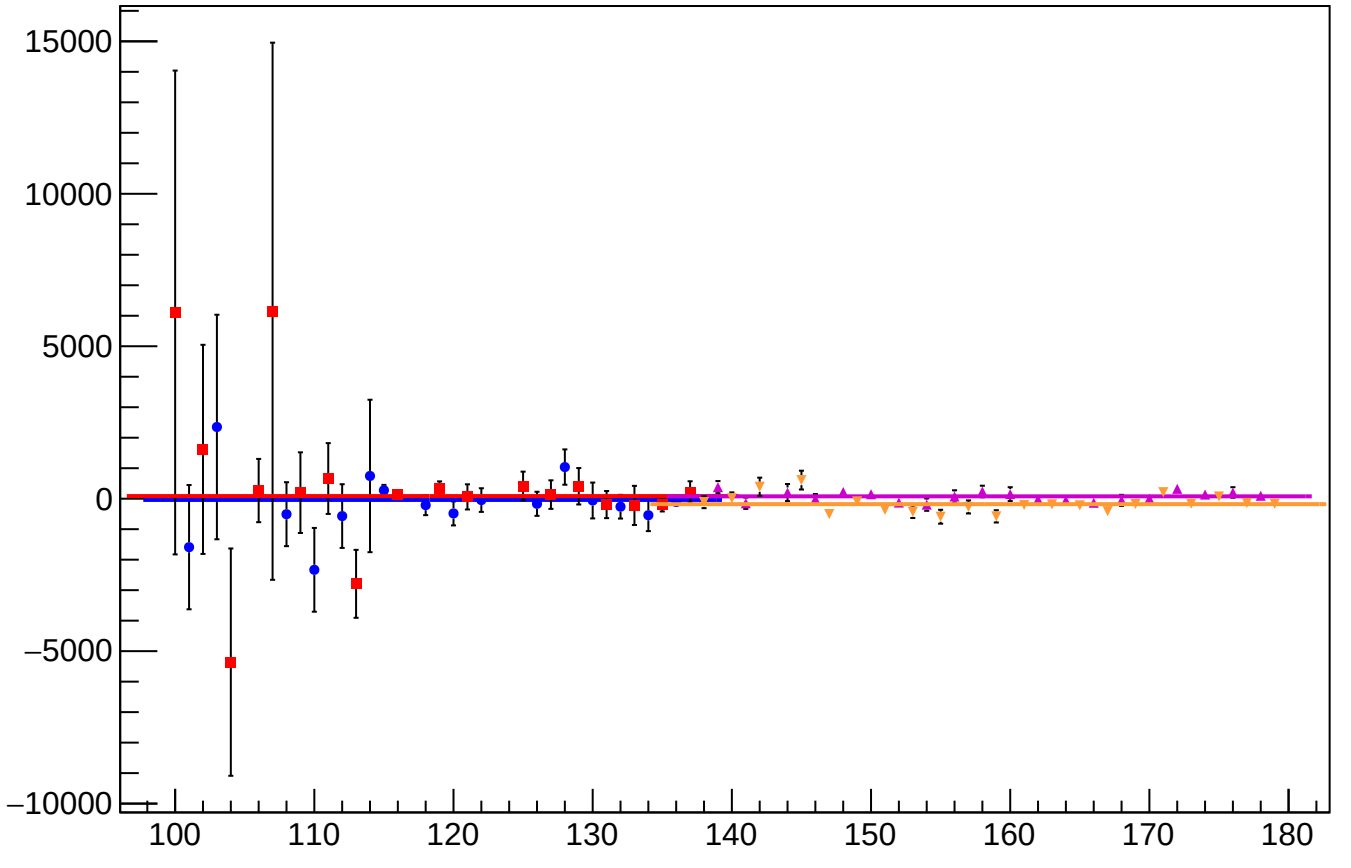
Left: 2181.063+/-0.268 χ^2/NDF: 2222.6/40

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2217.661+/-0.325 χ^2/NDF:545563.8/35

Out: 2220.764+/-0.322 χ^2/NDF:212136.6/38

All: 2219.226+/-0.229 χ^2/NDF: 757746.5/74



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -179.060+/-35.432 χ^2/NDF:39.6/20

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 77.164+/-35.728 χ^2/NDF:18.5/19

Left: -52.012+/-25.158 χ^2/NDF: 84.0/40

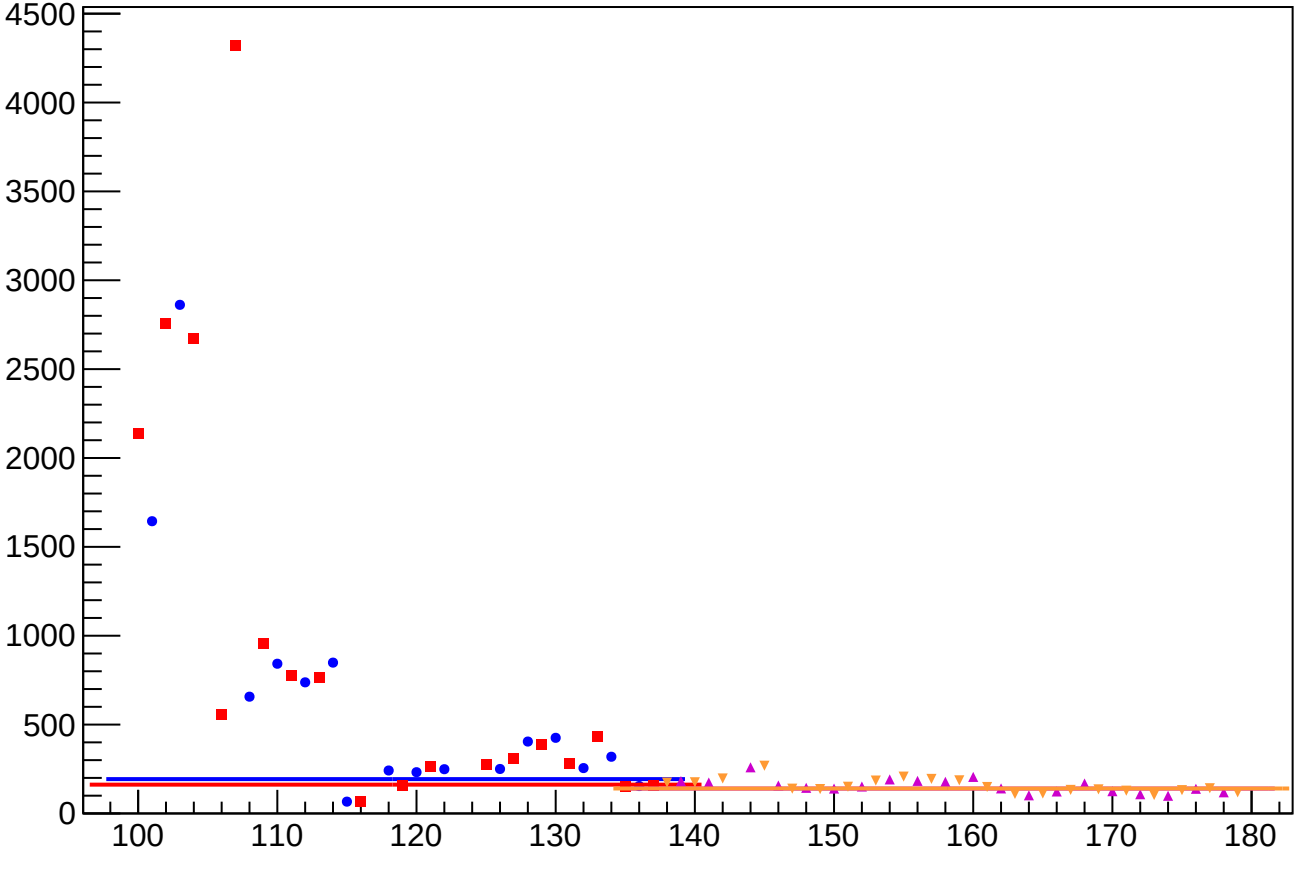
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 61.912+/-33.324 χ^2/NDF:33.9/35

Out: -140.608+/-32.766 χ^2/NDF:62.7/38

All: -41.059+/-23.364 χ^2/NDF: 115.4/74

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 140.432+/-0.025 χ^2/NDF:1534697.6/20

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 139.941+/-0.025 χ^2/NDF:1747154.1/19

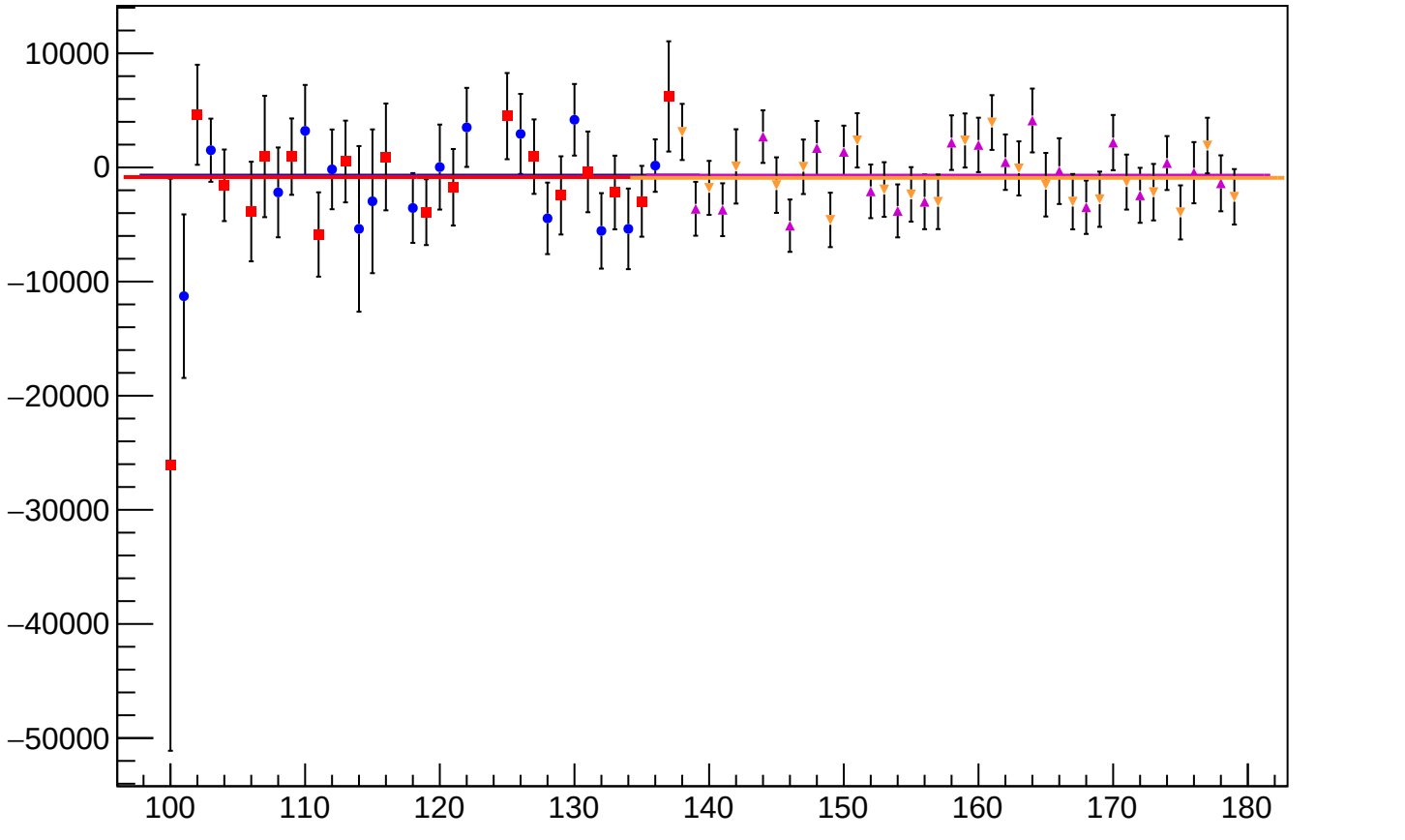
Left: 140.188+/-0.018 χ^2/NDF: 3282042.8/40

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 146.874+/-0.024 χ^2/NDF:7944153.9/35

Out: 143.573+/-0.023 χ^2/NDF:8713671.9/38

All: 145.196+/-0.017 χ^2/NDF: 16667801.4/74



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -909.461+/-533.721 χ^2/NDF:20.0/20

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -718.574+/-539.917 χ^2/NDF:23.5/19

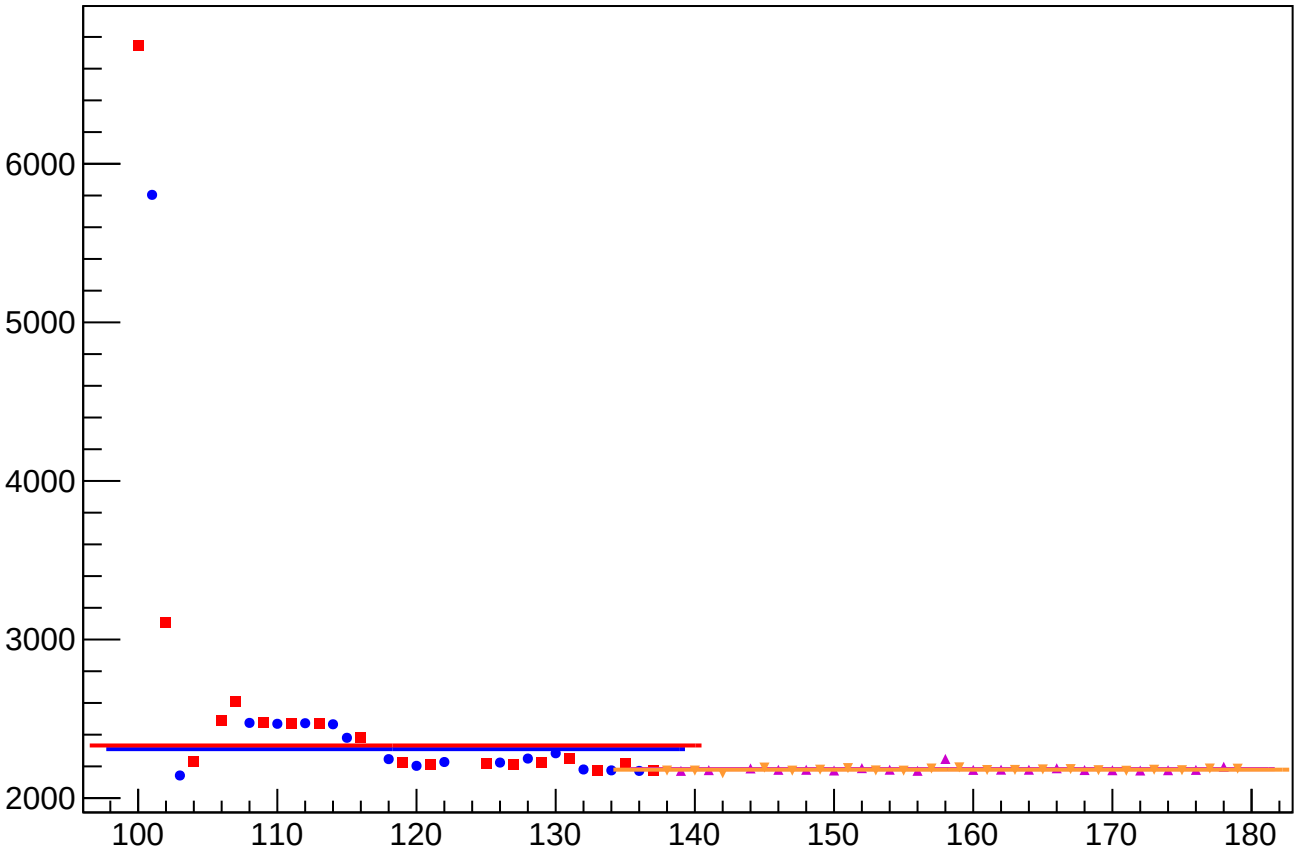
Left: -815.119+/-379.569 χ^2/NDF: 43.6/40

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -718.177+/-459.272 χ^2/NDF:39.4/35

Out: -891.168+/-455.446 χ^2/NDF:32.2/38

All: -805.396+/-323.393 χ^2/NDF: 71.6/74



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.300+/-0.377 χ^2/NDF:404.2/20

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.868+/-0.382 χ^2/NDF:1774.2/19

Left: 2181.063+/-0.268 χ^2/NDF: 2222.6/40

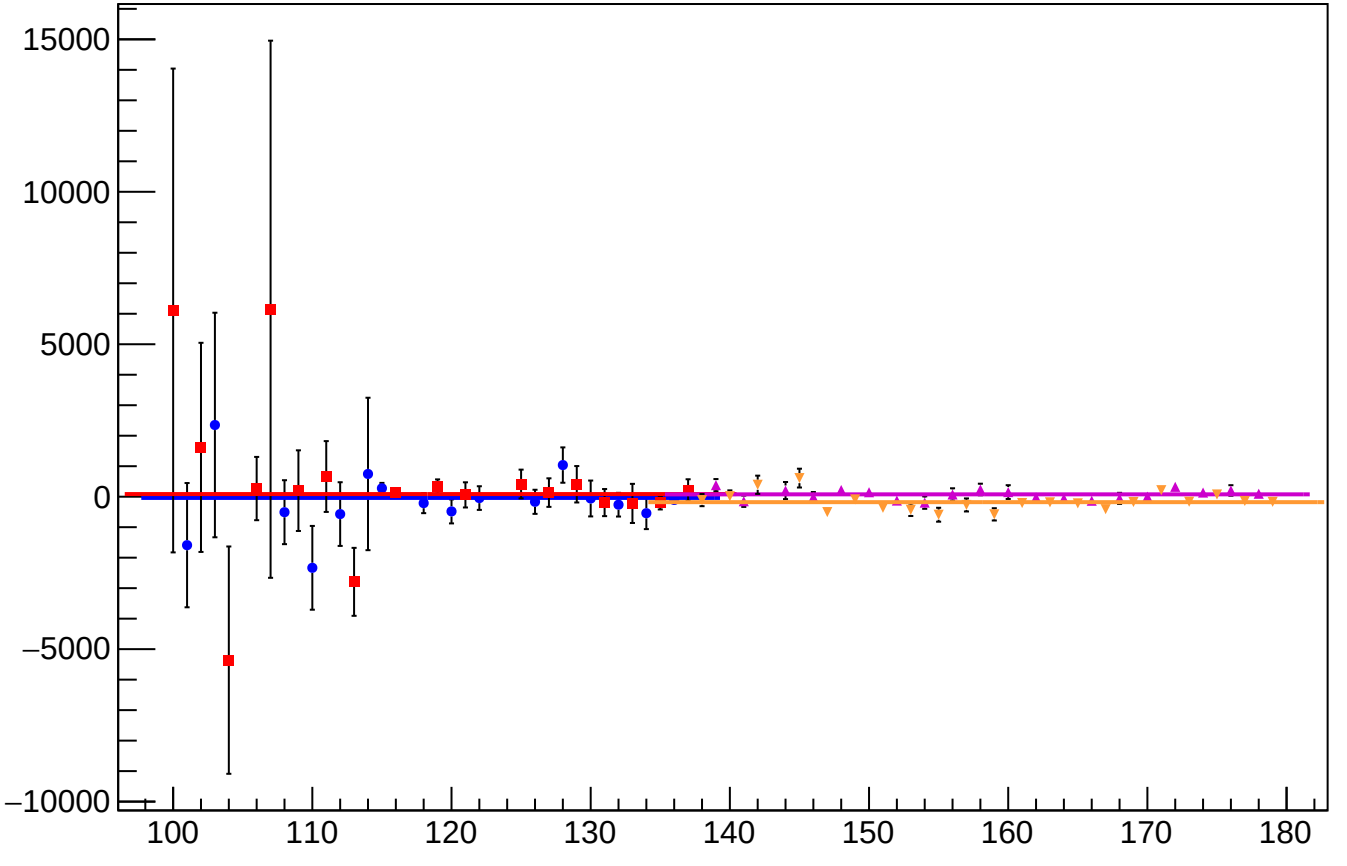
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2217.661+/-0.325 χ^2/NDF:545563.8/35

Out: 2220.764+/-0.322 χ^2/NDF:212136.5/38

All: 2219.226+/-0.229 χ^2/NDF: 757746.4/74

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -179.061+/-35.433 χ^2/NDF:39.6/20

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 77.163+/-35.728 χ^2/NDF:18.5/19

Left: -52.013+/-25.158 χ^2/NDF: 84.0/40

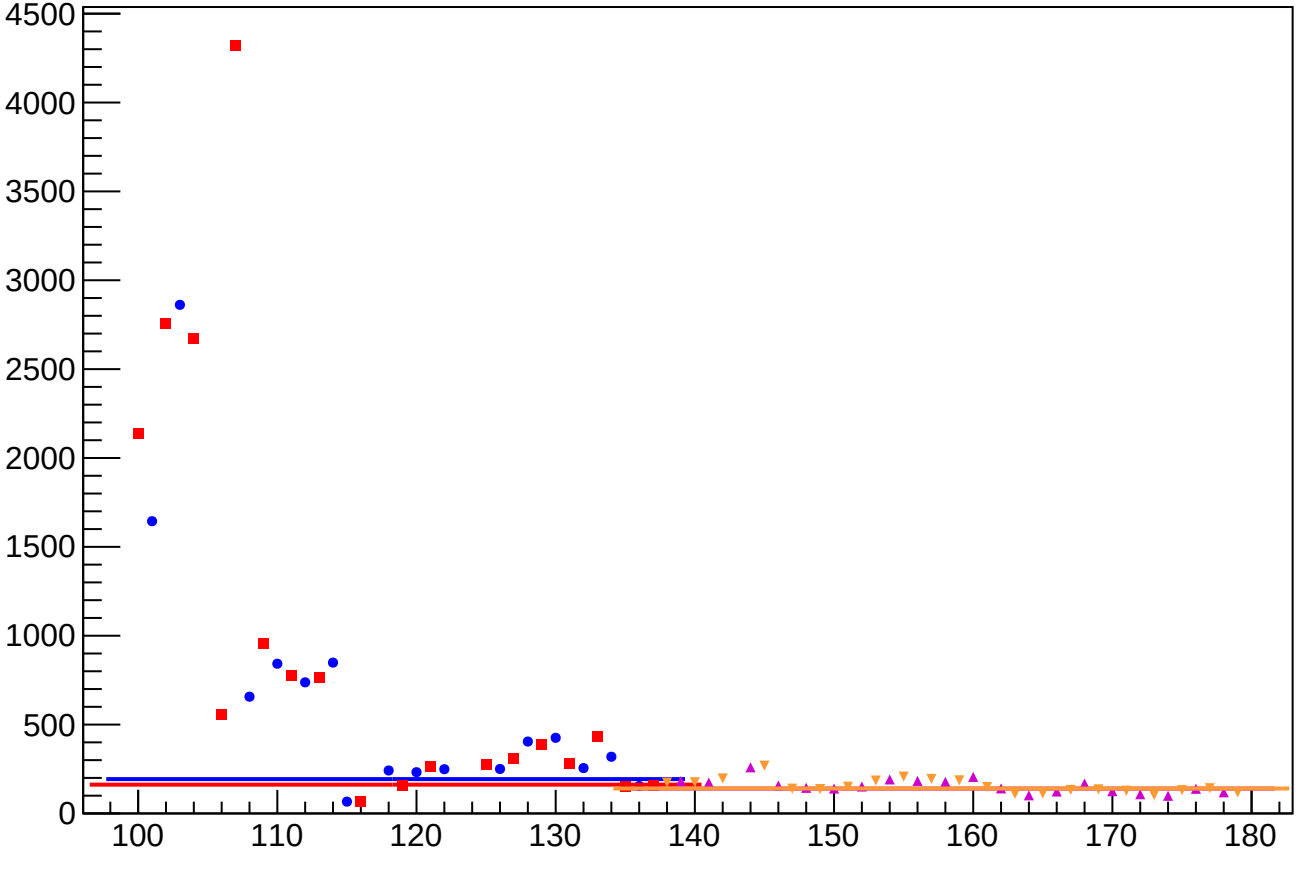
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 61.911+/-33.324 χ^2/NDF:33.9/35

Out: -140.608+/-32.766 χ^2/NDF:62.7/38

All: -41.059+/-23.364 χ^2/NDF: 115.4/74

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 140.432+/-0.025 χ^2/NDF:1534711.7/20

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 139.941+/-0.025 χ^2/NDF:1747189.1/19

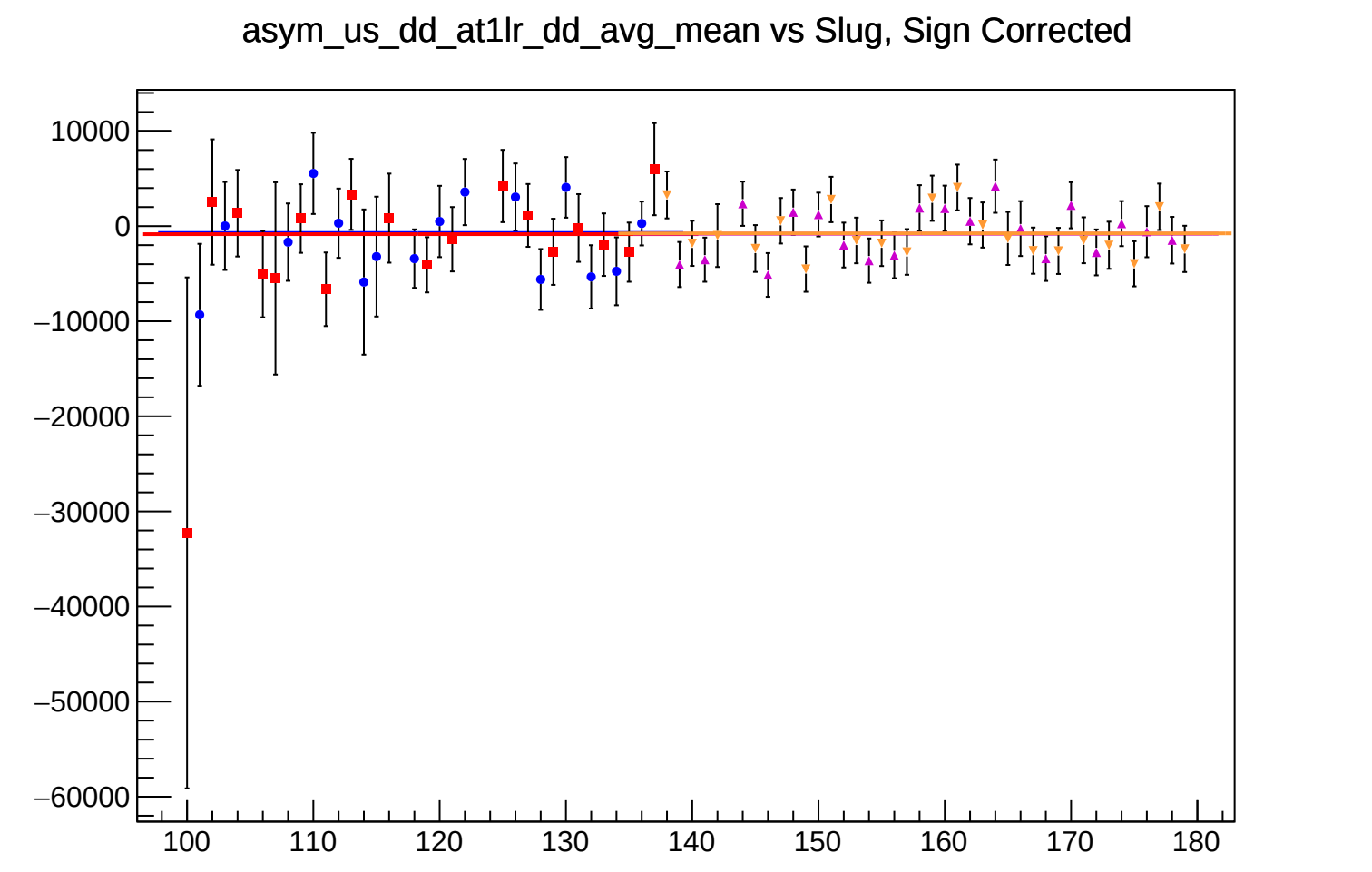
Left: 140.189+/-0.018 χ^2/NDF: 3282091.8/40

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 146.874+/-0.024 χ^2/NDF:7944181.8/35

Out: 143.573+/-0.023 χ^2/NDF:8713723.2/38

All: 145.195+/-0.017 χ^2/NDF: 16667881.8/74



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -764.399+/-535.321 χ^2/NDF:20.9/20

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -801.491+/-541.353 χ^2/NDF:22.7/19

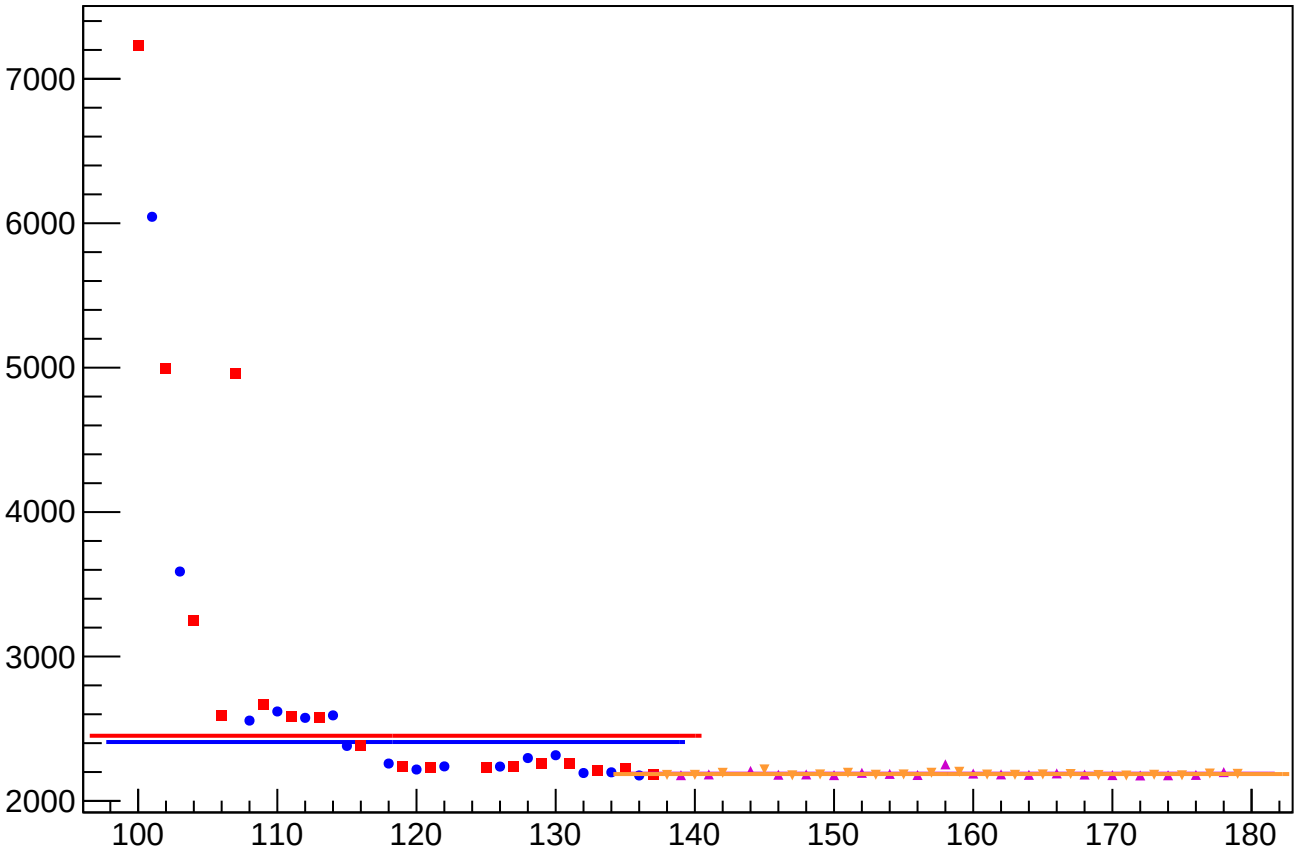
Left: -782.737+/-380.644 χ^2/NDF: 43.6/40

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -780.291+/-466.077 χ^2/NDF:38.5/35

Out: -784.453+/-463.789 χ^2/NDF:33.9/38

All: -782.382+/-328.754 χ^2/NDF: 72.3/74



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.977+/-0.379 χ^2/NDF:660.6/20

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.664+/-0.383 χ^2/NDF:1956.8/19

Left: 2187.305+/-0.269 χ^2/NDF: 2642.3/40

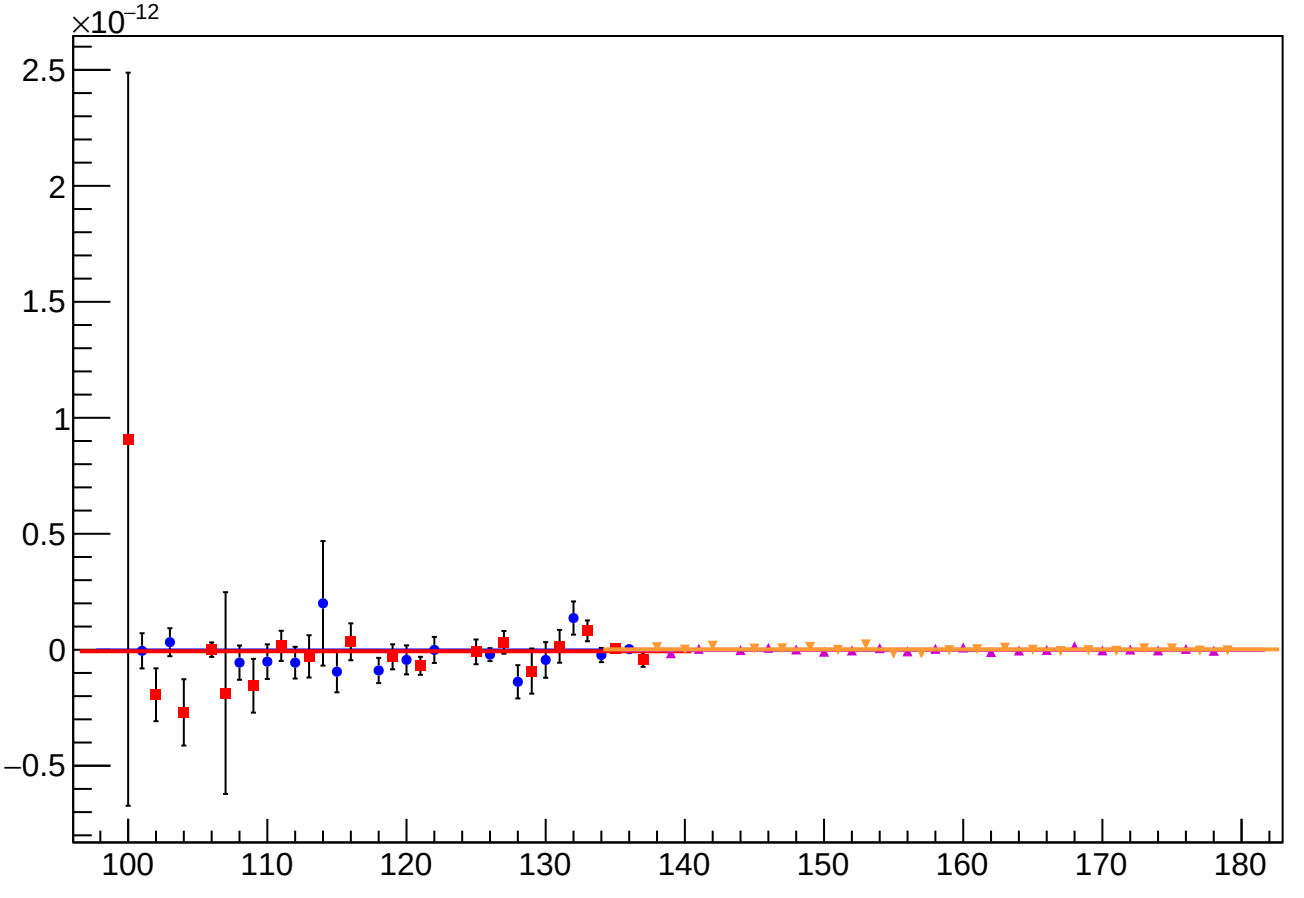
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2245.367+/-0.330 χ^2/NDF:763646.2/35

Out: 2252.120+/-0.328 χ^2/NDF:756687.2/38

All: 2248.760+/-0.232 χ^2/NDF: 1520544.3/74

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/19

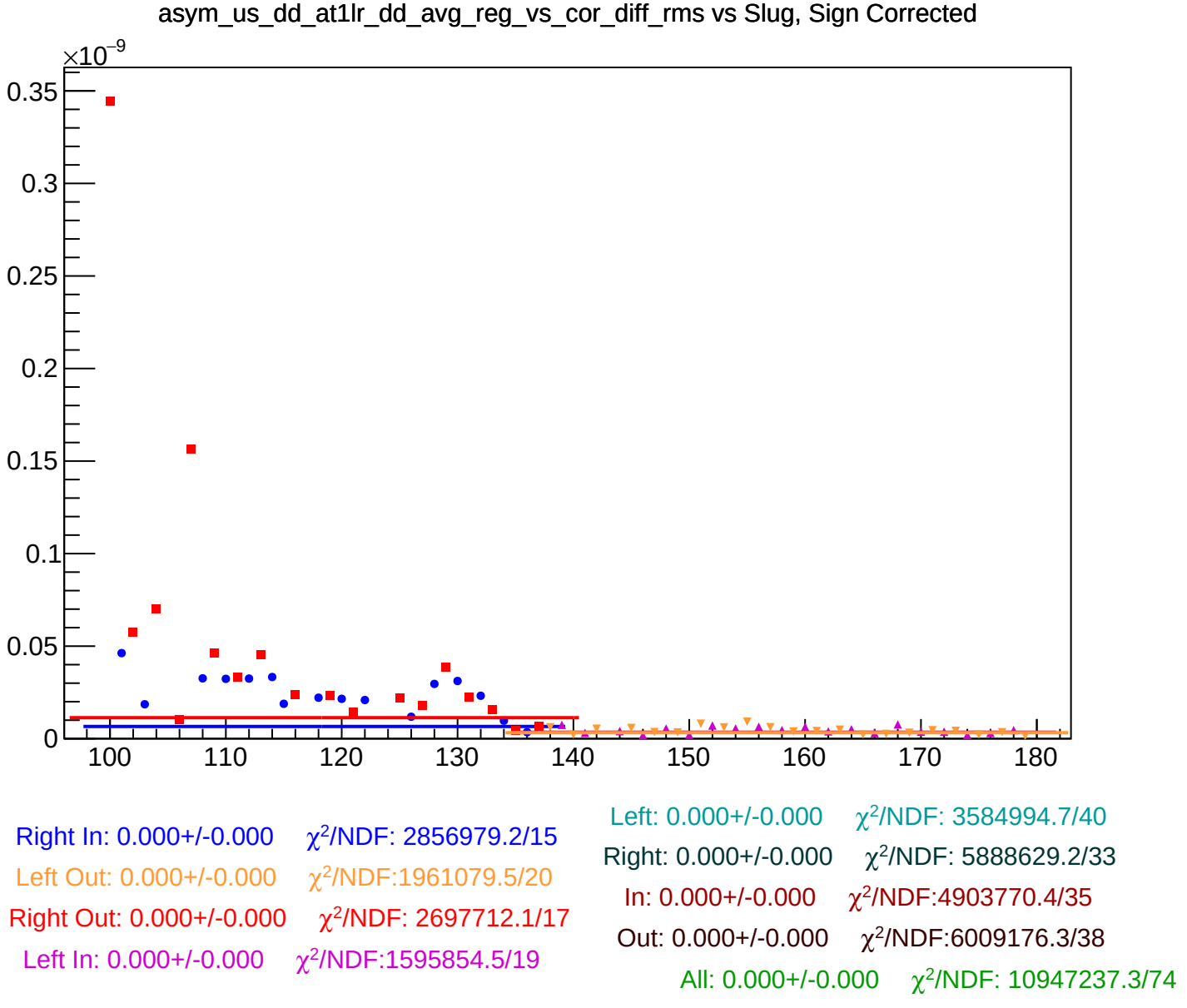
Left: 0.000+/-0.000 χ^2/NDF: 31.8/40

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

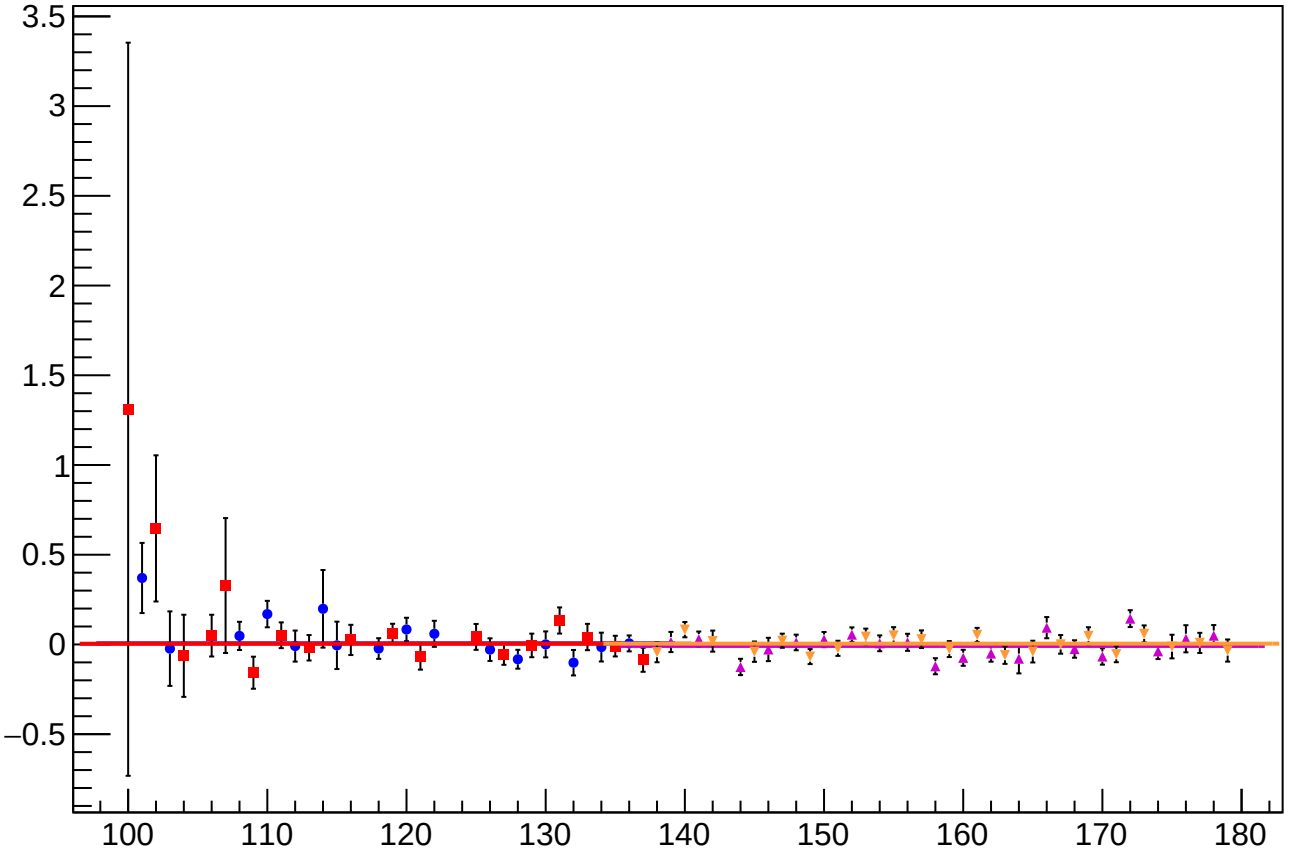
In: -0.000+/-0.000 χ^2/NDF:28.9/35

Out: 0.000+/-0.000 χ^2/NDF:37.7/38

All: 0.000+/-0.000 χ^2/NDF: 67.2/74


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1961079.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1595854.5/19
Left: 0.000+/-0.000 χ²/NDF: 3584994.7/40
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:4903770.4/35
Out: 0.000+/-0.000 χ²/NDF:6009176.3/38
All: 0.000+/-0.000 χ²/NDF: 10947237.3/74

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.008+/-0.011 χ^2/NDF:38.4/19

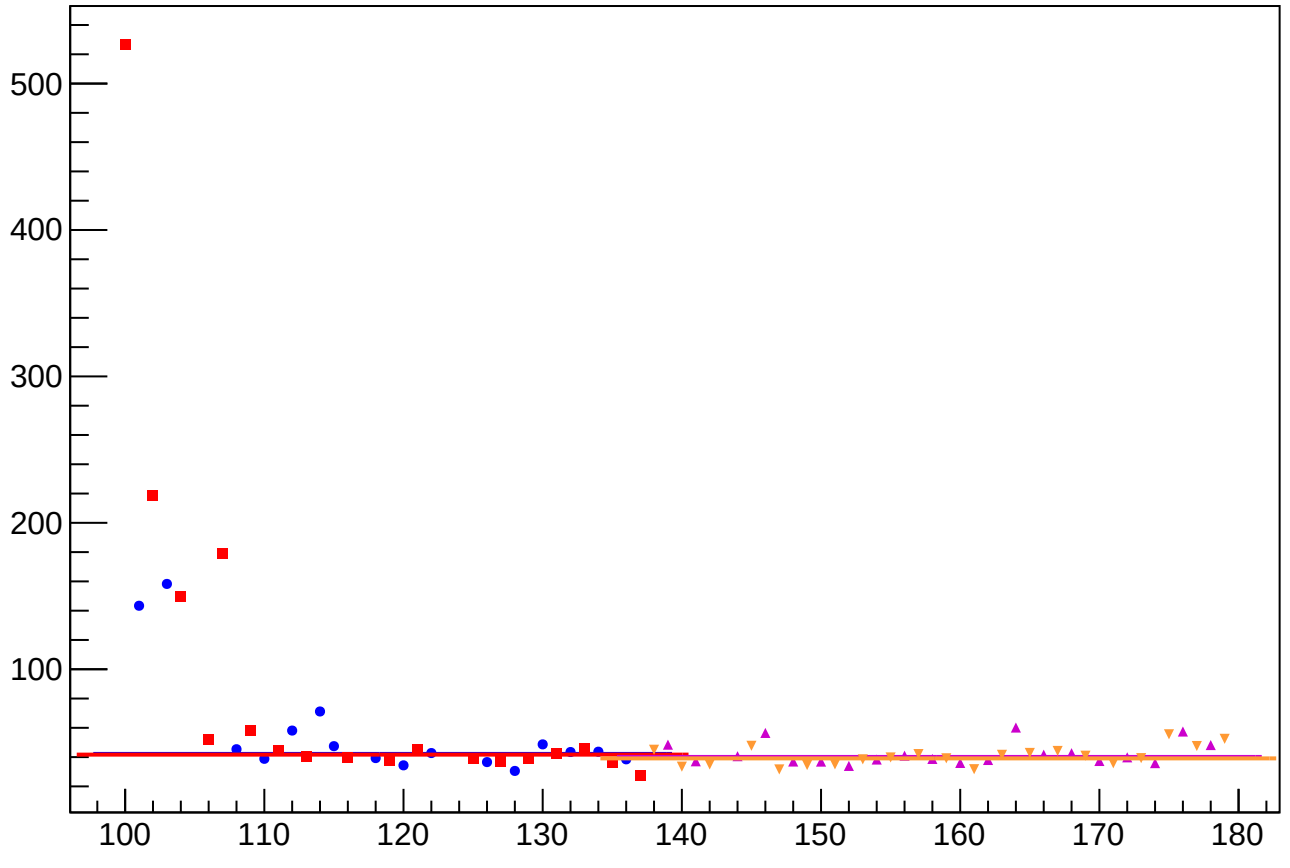
Left: -0.002+/-0.008 χ^2/NDF: 57.9/40

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: -0.000+/-0.007 χ^2/NDF: 91.6/74



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.122+/-0.007 χ^2/NDF:617365.0/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.107+/-0.008 χ^2/NDF:572618.8/19

Left: 39.601+/-0.005 χ^2/NDF: 1198482.9/40

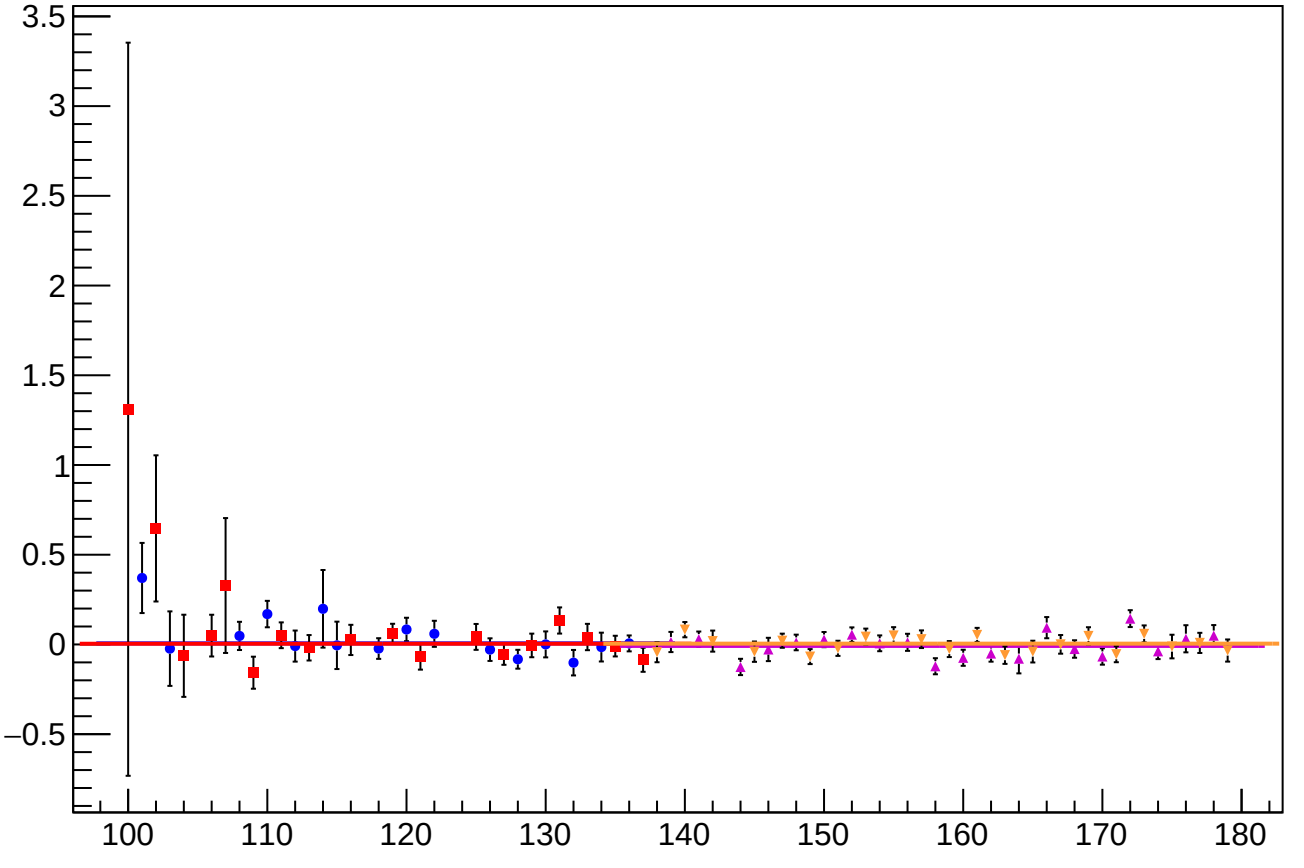
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.643+/-0.007 χ^2/NDF:2045787.1/35

Out: 39.746+/-0.006 χ^2/NDF:2087505.0/38

All: 40.187+/-0.005 χ^2/NDF: 4142719.1/74

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.008+/-0.011 χ^2/NDF:38.4/19

Left: -0.002+/-0.008 χ^2/NDF: 57.9/40

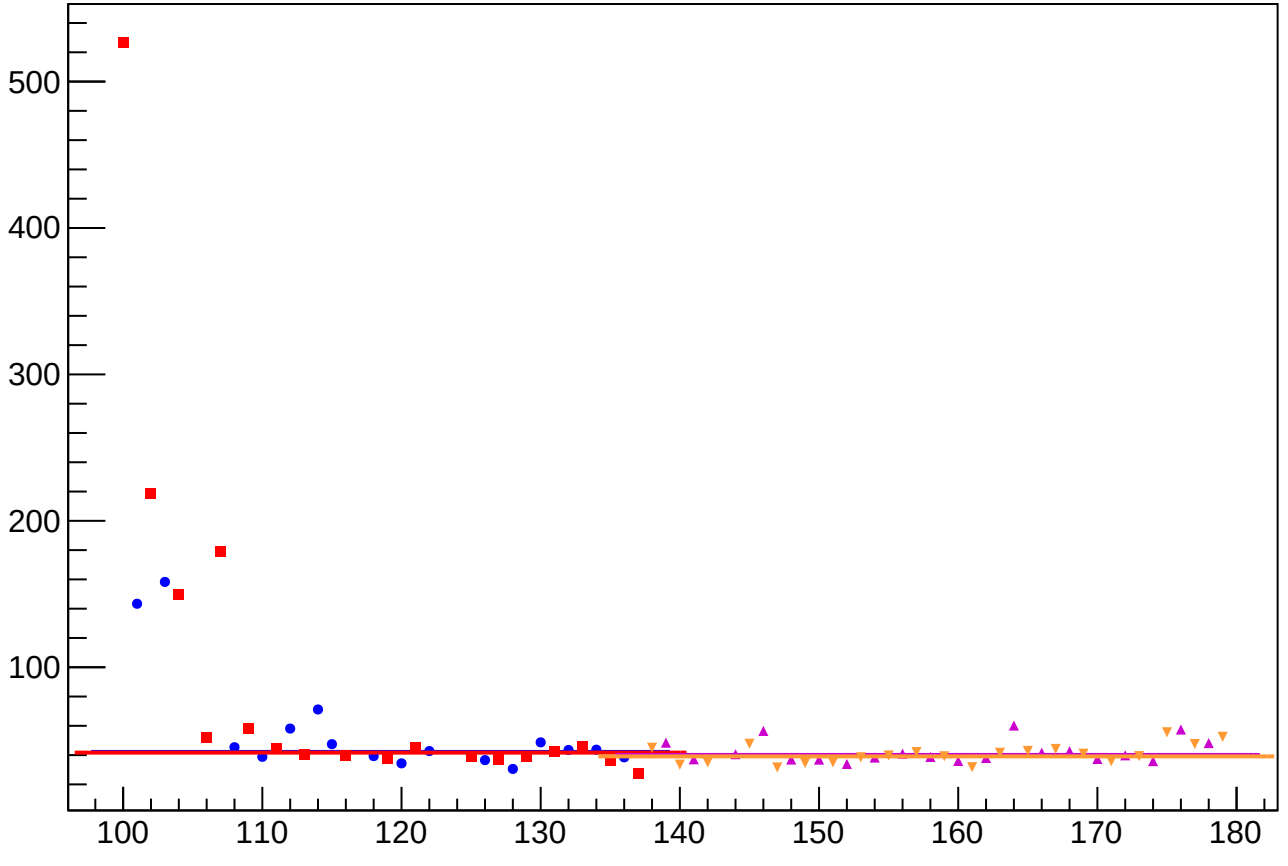
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: -0.000+/-0.007 χ^2/NDF: 91.6/74

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 39.122+/-0.007 χ^2/NDF:617365.0/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.107+/-0.008 χ^2/NDF:572618.8/19

Left: 39.601+/-0.005 χ^2/NDF: 1198482.9/40

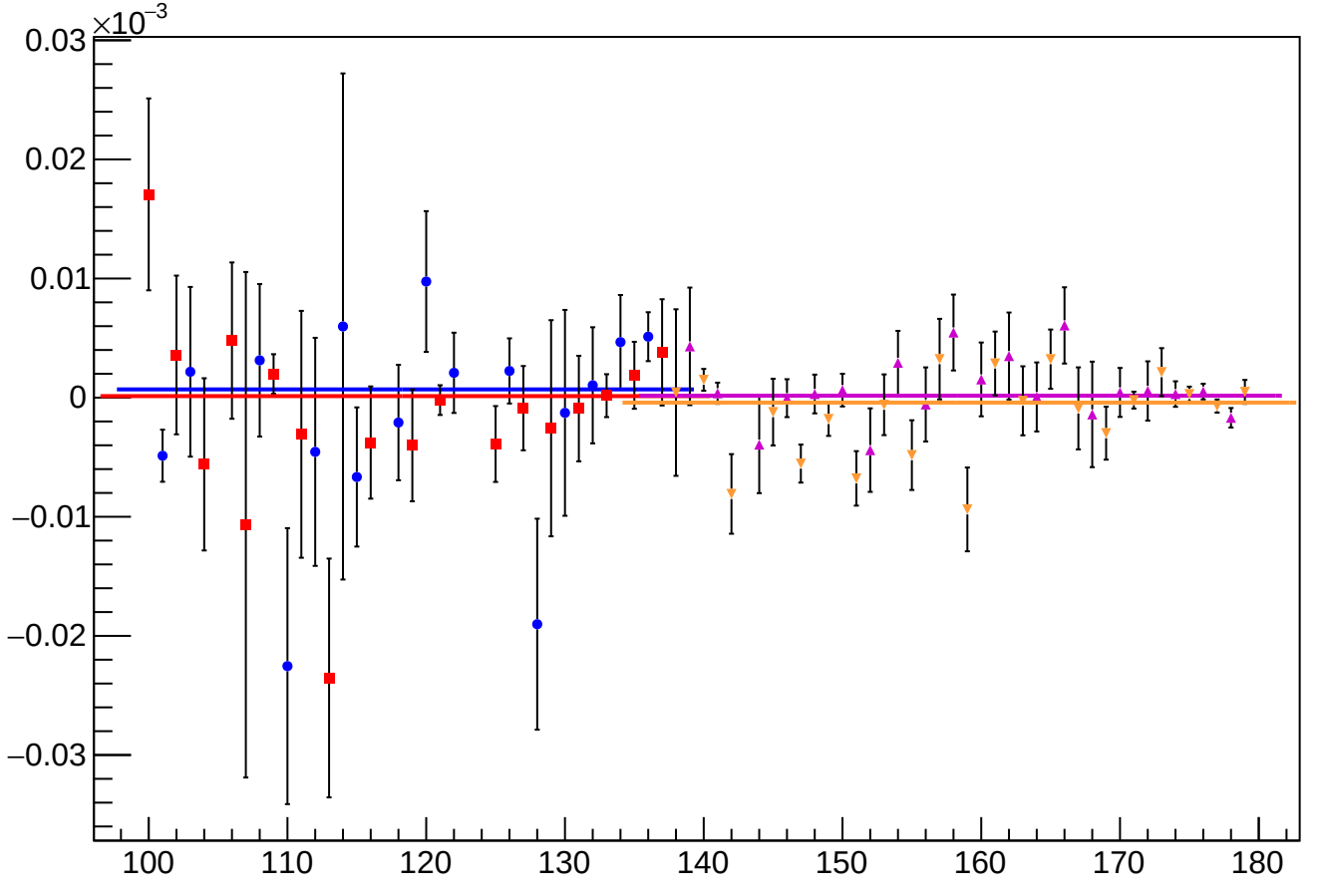
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.643+/-0.007 χ^2/NDF:2045787.1/35

Out: 39.746+/-0.006 χ^2/NDF:2087505.0/38

All: 40.187+/-0.005 χ^2/NDF: 4142719.1/74

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:17.5/19

Left: -0.000+/-0.000 χ^2/NDF: 67.0/40

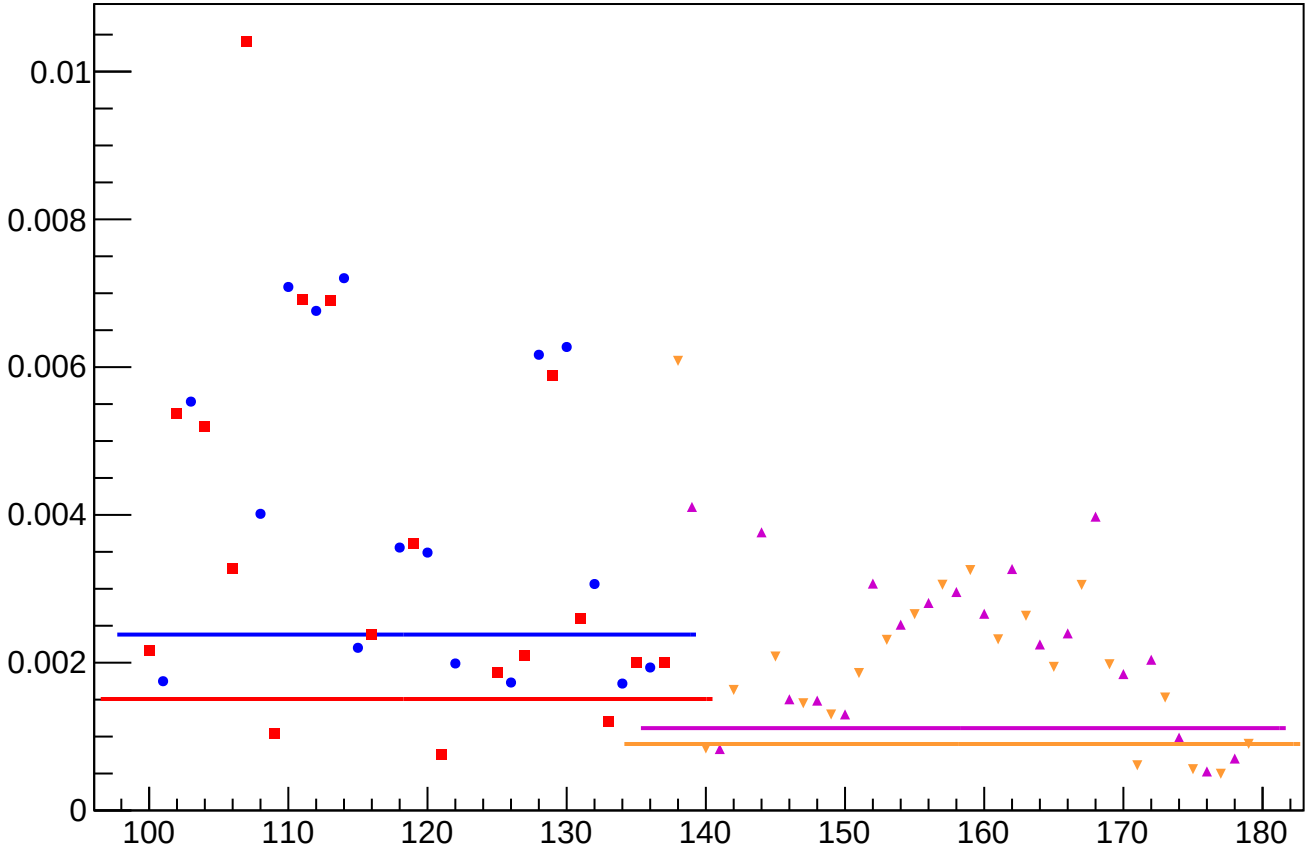
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:44.2/35

Out: -0.000+/-0.000 χ^2/NDF:65.6/38

All: -0.000+/-0.000 χ^2/NDF: 111.7/74

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:10425041.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:9784715.7/19

Left: 0.001+/-0.000 χ^2/NDF: 20683414.7/40

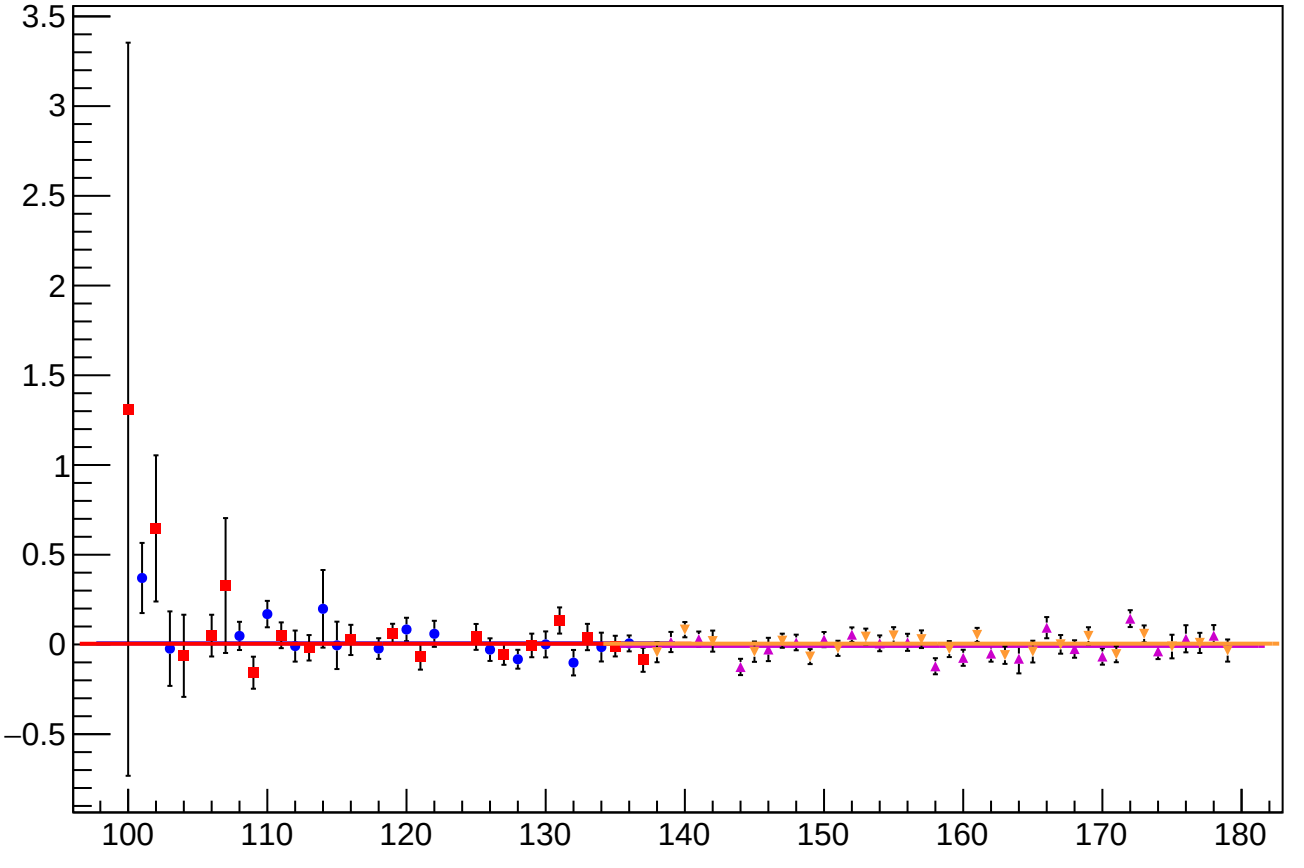
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:15402317.4/35

Out: 0.001+/-0.000 χ^2/NDF:16666433.7/38

All: 0.001+/-0.000 χ^2/NDF: 32867164.1/74

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.008+/-0.011 χ^2/NDF:38.4/19

Left: -0.002+/-0.008 χ^2/NDF: 57.9/40

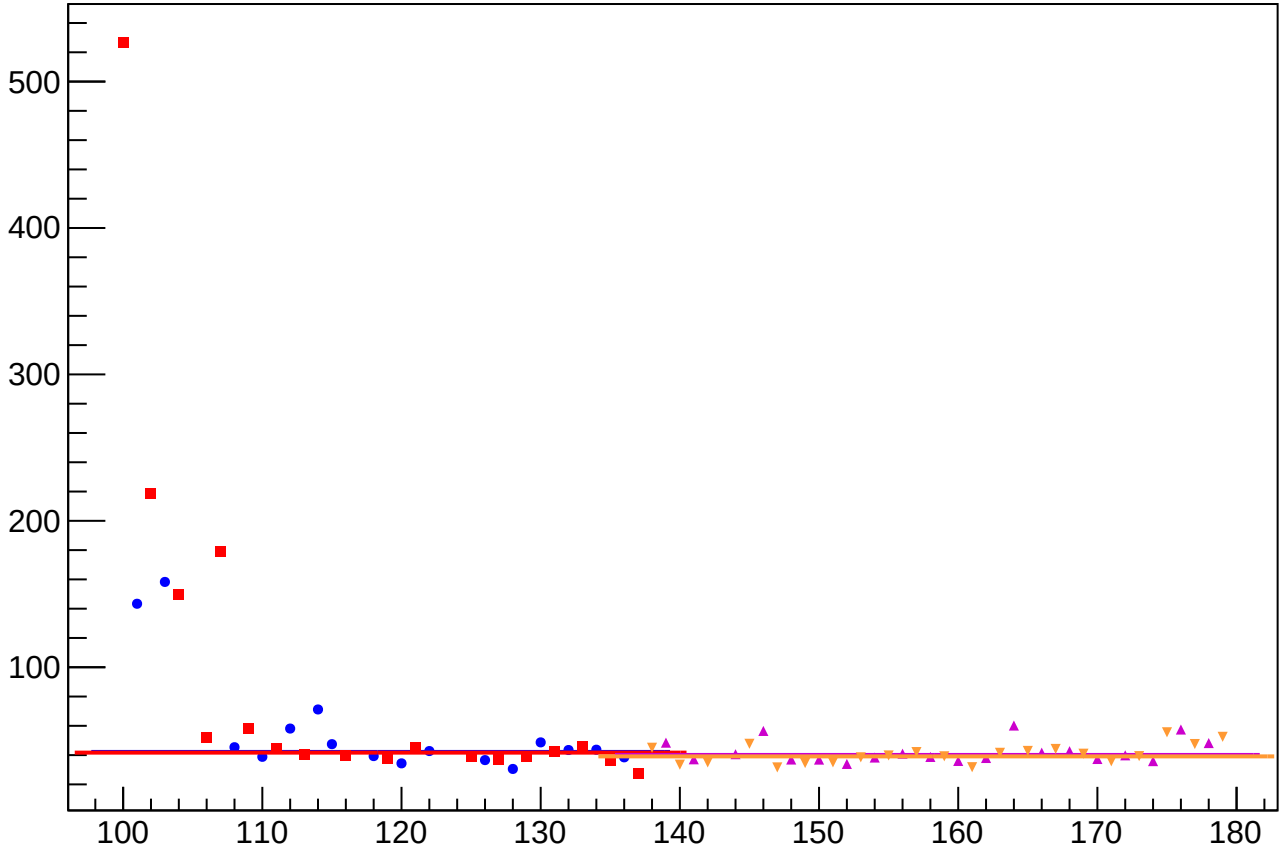
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: -0.000+/-0.007 χ^2/NDF: 91.6/74

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 39.123+/-0.007 χ^2/NDF:617341.3/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.107+/-0.008 χ^2/NDF:572654.3/19

Left: 39.601+/-0.005 χ^2/NDF: 1198492.7/40

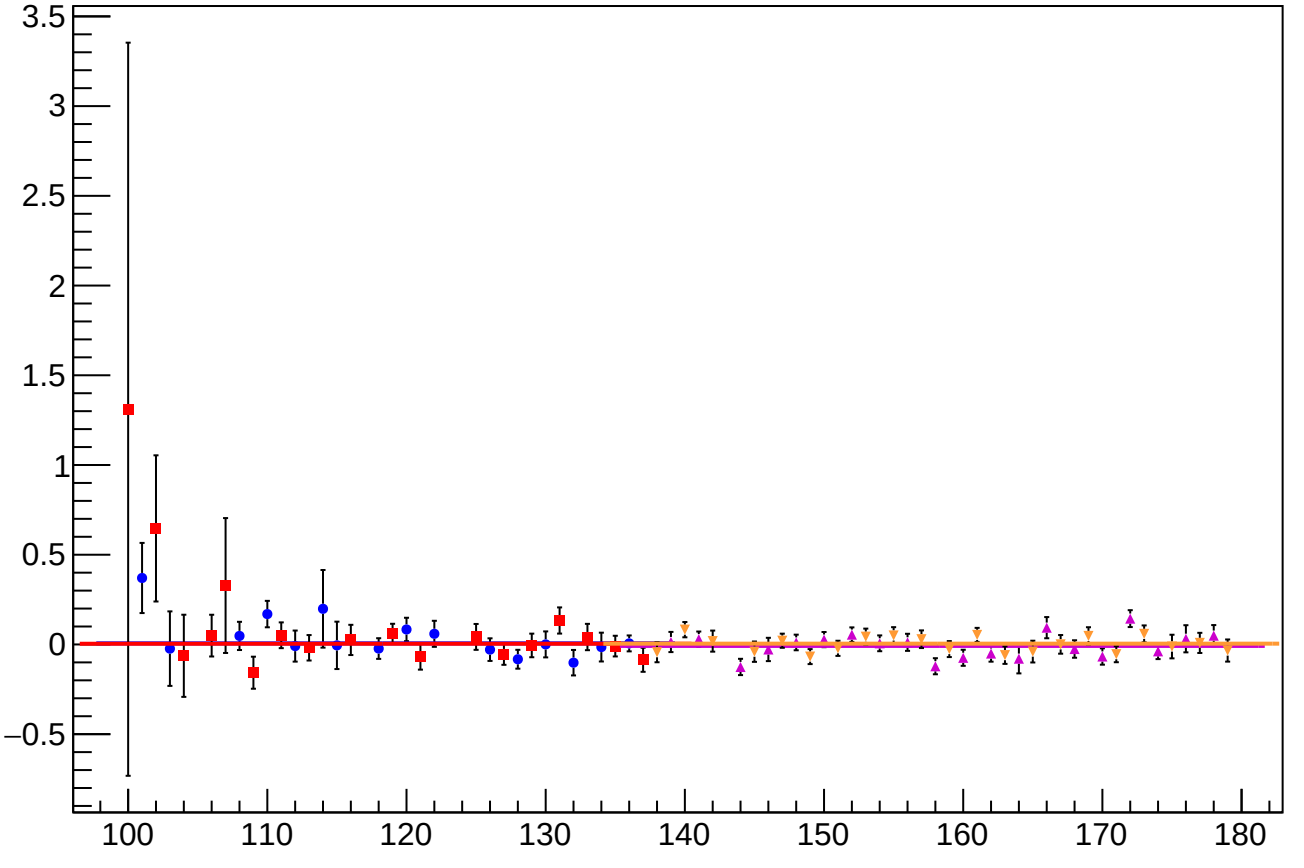
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.643+/-0.007 χ^2/NDF:2045992.7/35

Out: 39.747+/-0.006 χ^2/NDF:2087469.7/38

All: 40.187+/-0.005 χ^2/NDF: 4142872.7/74

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.004+/-0.011 χ^2/NDF:18.8/20

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.008+/-0.011 χ^2/NDF:38.4/19

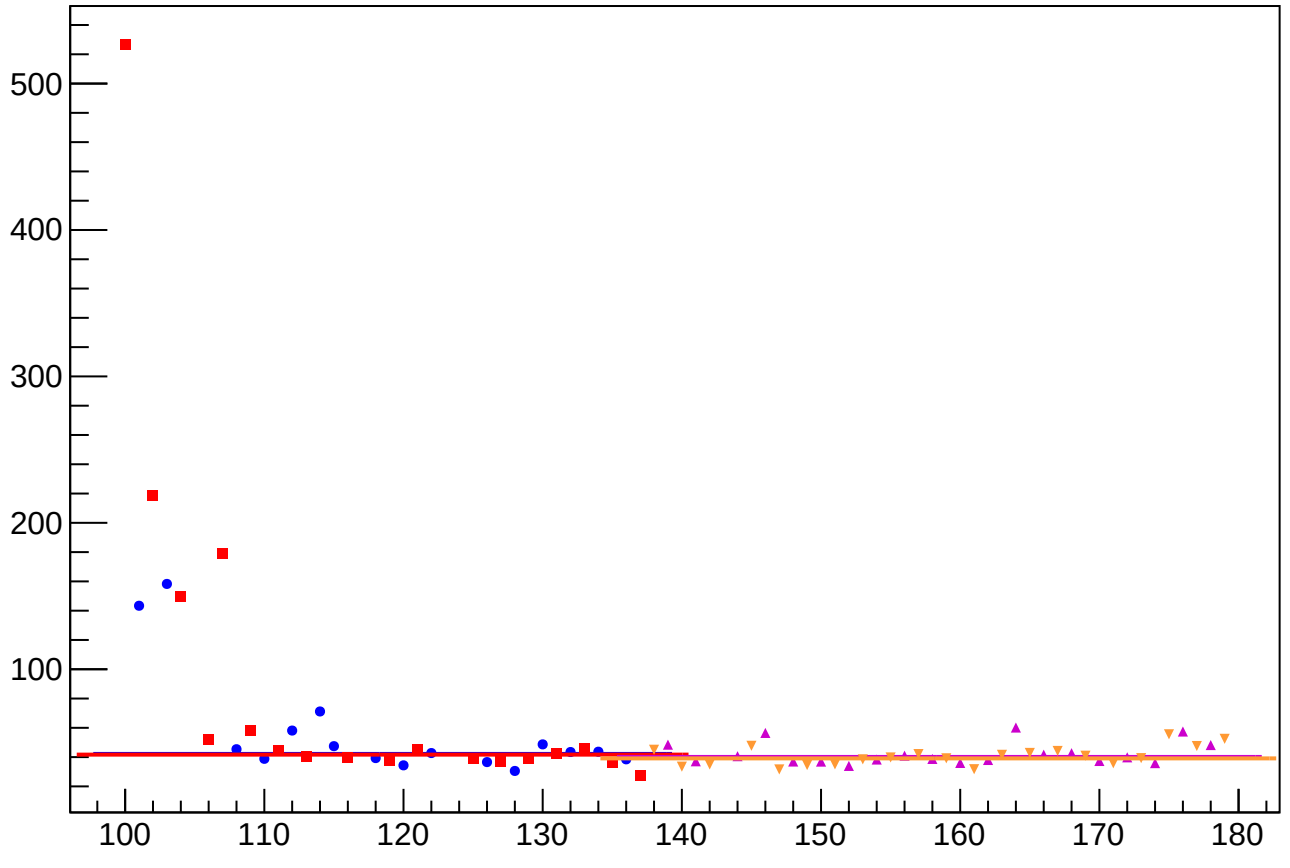
Left: -0.002+/-0.008 χ^2/NDF: 57.9/40

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.004+/-0.009 χ^2/NDF:35.1/38

All: -0.000+/-0.007 χ^2/NDF: 91.6/74



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 39.123+/-0.007 χ^2/NDF:617341.3/20

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.107+/-0.008 χ^2/NDF:572654.3/19

Left: 39.601+/-0.005 χ^2/NDF: 1198492.7/40

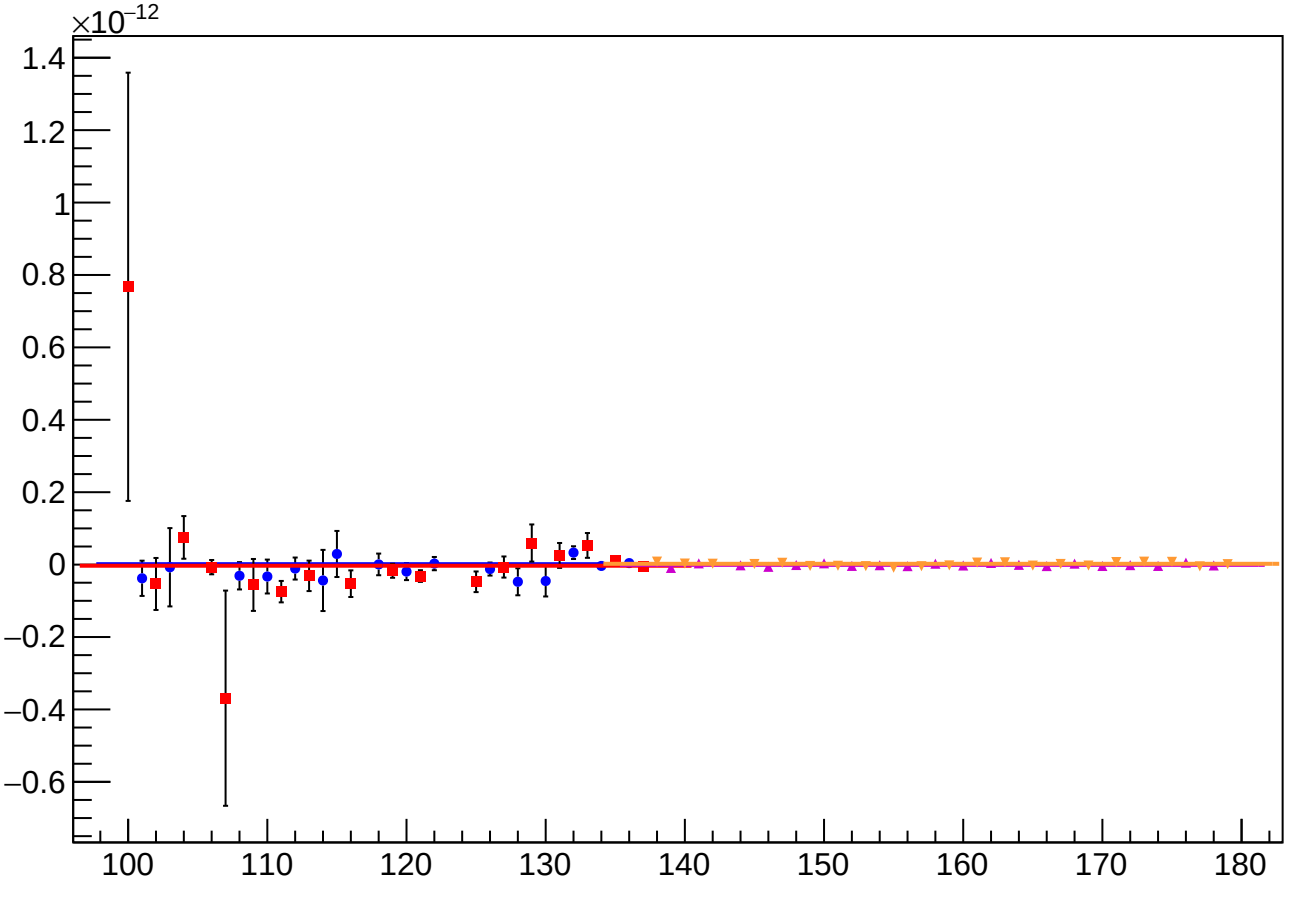
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.643+/-0.007 χ^2/NDF:2045992.7/35

Out: 39.747+/-0.006 χ^2/NDF:2087469.7/38

All: 40.187+/-0.005 χ^2/NDF: 4142872.7/74

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/19

Left: 0.000+/-0.000 χ^2/NDF: 43.9/40

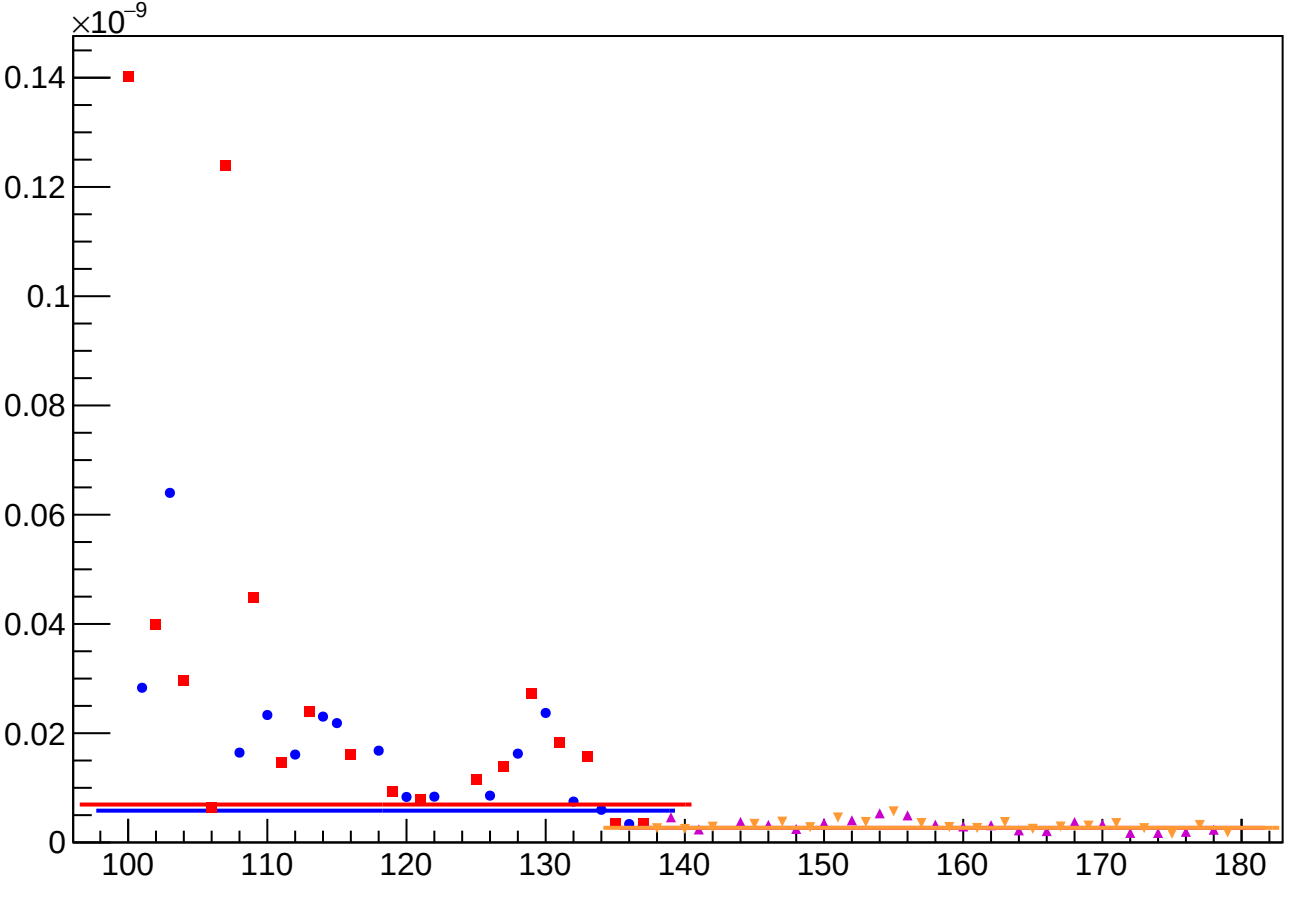
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:25.2/35

Out: 0.000+/-0.000 χ^2/NDF:54.6/38

All: 0.000+/-0.000 χ^2/NDF: 84.0/74

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521419.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1743194.9/19

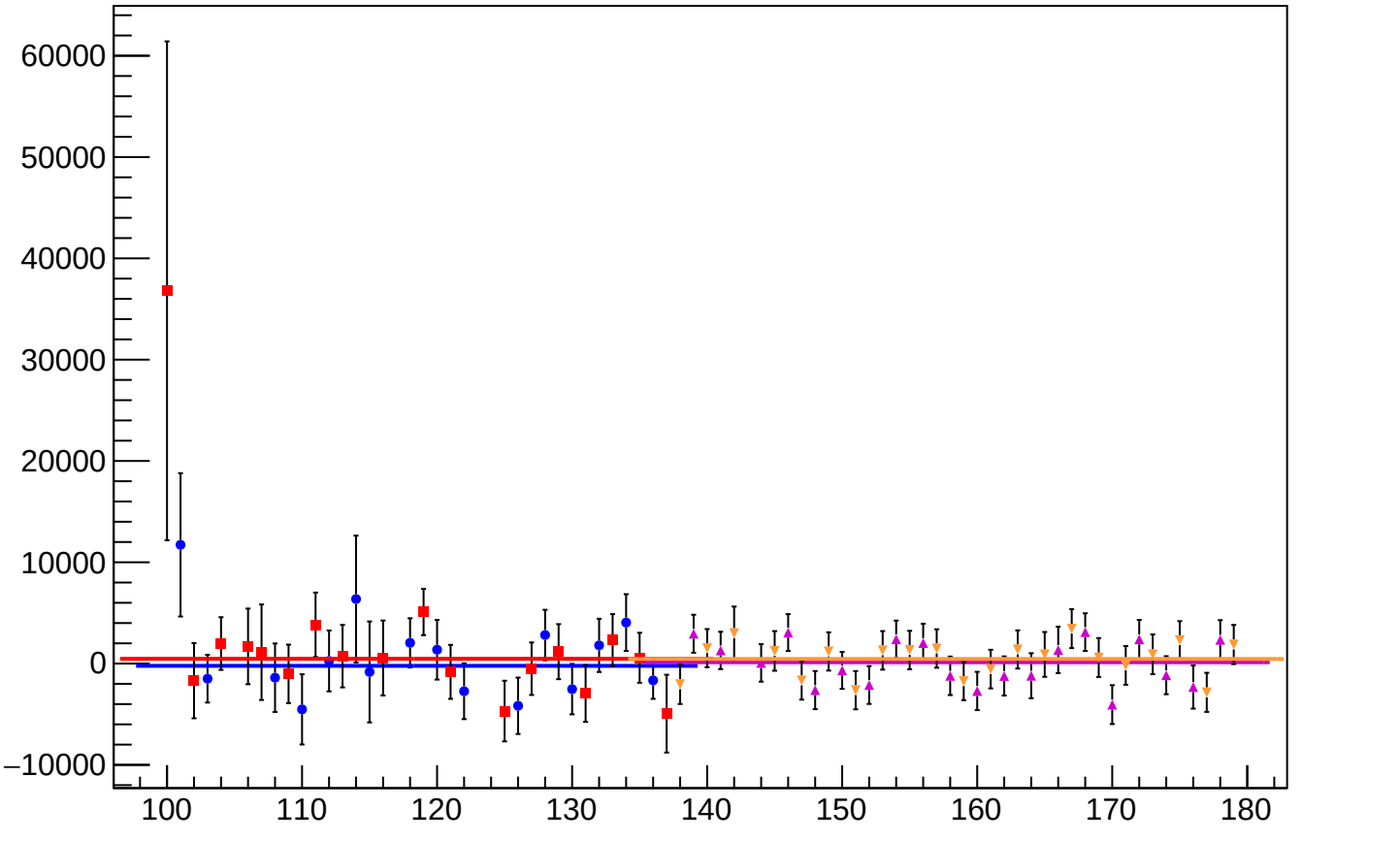
Left: 0.000+/-0.000 χ^2/NDF: 3264840.0/40

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:6261766.5/35

Out: 0.000+/-0.000 χ^2/NDF:6867653.4/38

All: 0.000+/-0.000 χ^2/NDF: 13129419.9/74



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 458.421+/-424.111 χ^2/NDF:16.8/20

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 130.977+/-428.938 χ^2/NDF:27.2/19

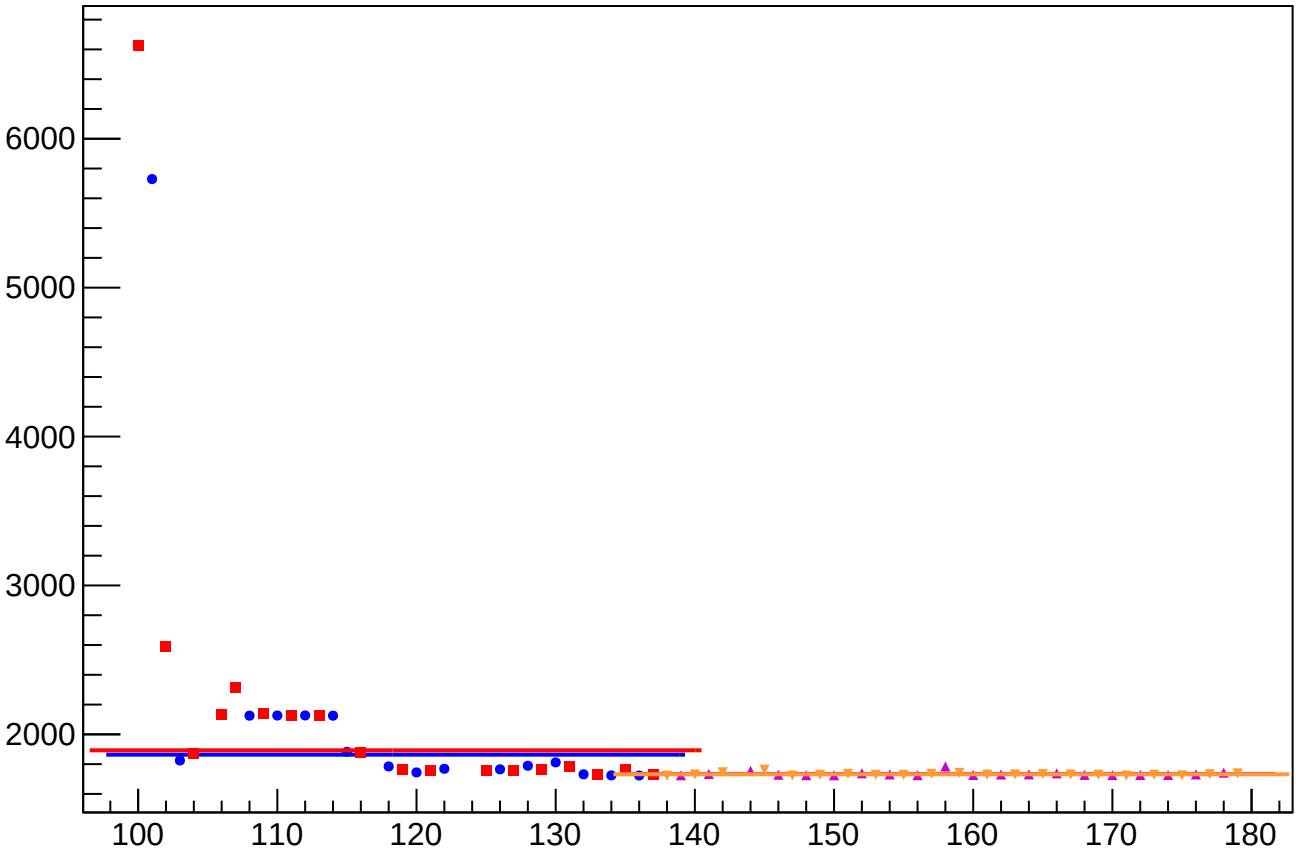
Left: 296.552+/-301.584 χ^2/NDF: 44.3/40

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 36.167+/-367.022 χ^2/NDF:43.2/35

Out: 462.088+/-364.297 χ^2/NDF:32.7/38

All: 250.714+/-258.555 χ^2/NDF: 76.6/74



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

Left: 1732.996+/-0.213 χ^2/NDF: 2943.9/40

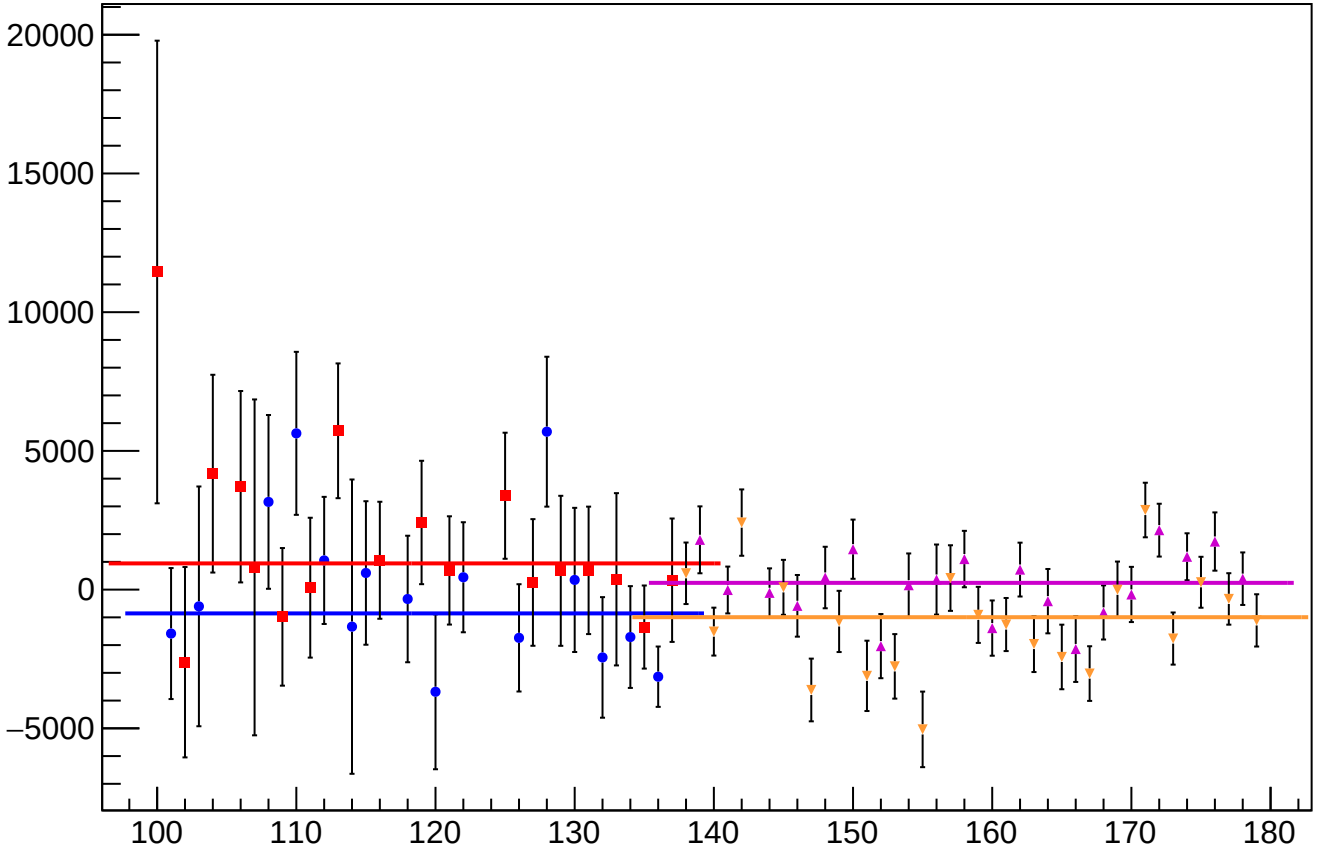
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1768.839+/-0.260 χ^2/NDF:725508.4/35

Out: 1774.058+/-0.258 χ^2/NDF:327928.9/38

All: 1771.468+/-0.183 χ^2/NDF: 1053641.1/74

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -994.517+/-226.311 χ^2/NDF:58.7/20

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 243.478+/-228.866 χ^2/NDF:24.3/19

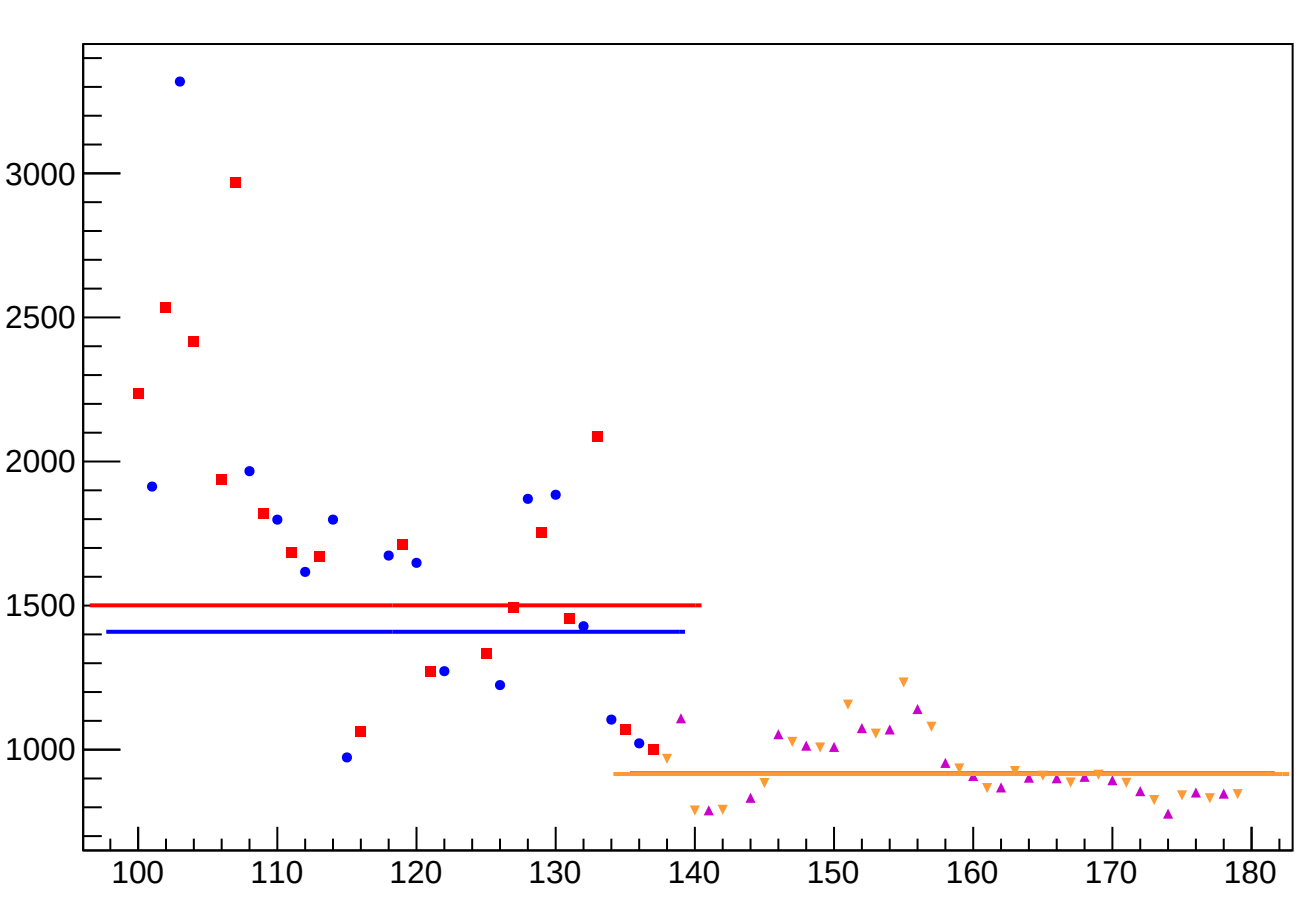
Left: -382.468+/-160.922 χ^2/NDF: 97.8/40

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: 80.900+/-211.290 χ^2/NDF:48.3/35

Out: -741.297+/-211.019 χ^2/NDF:81.2/38

All: -330.726+/-149.309 χ^2/NDF: 137.1/74



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 915.422+/-0.160 χ^2/NDF:421934.6/20

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 917.644+/-0.162 χ^2/NDF:401474.8/19

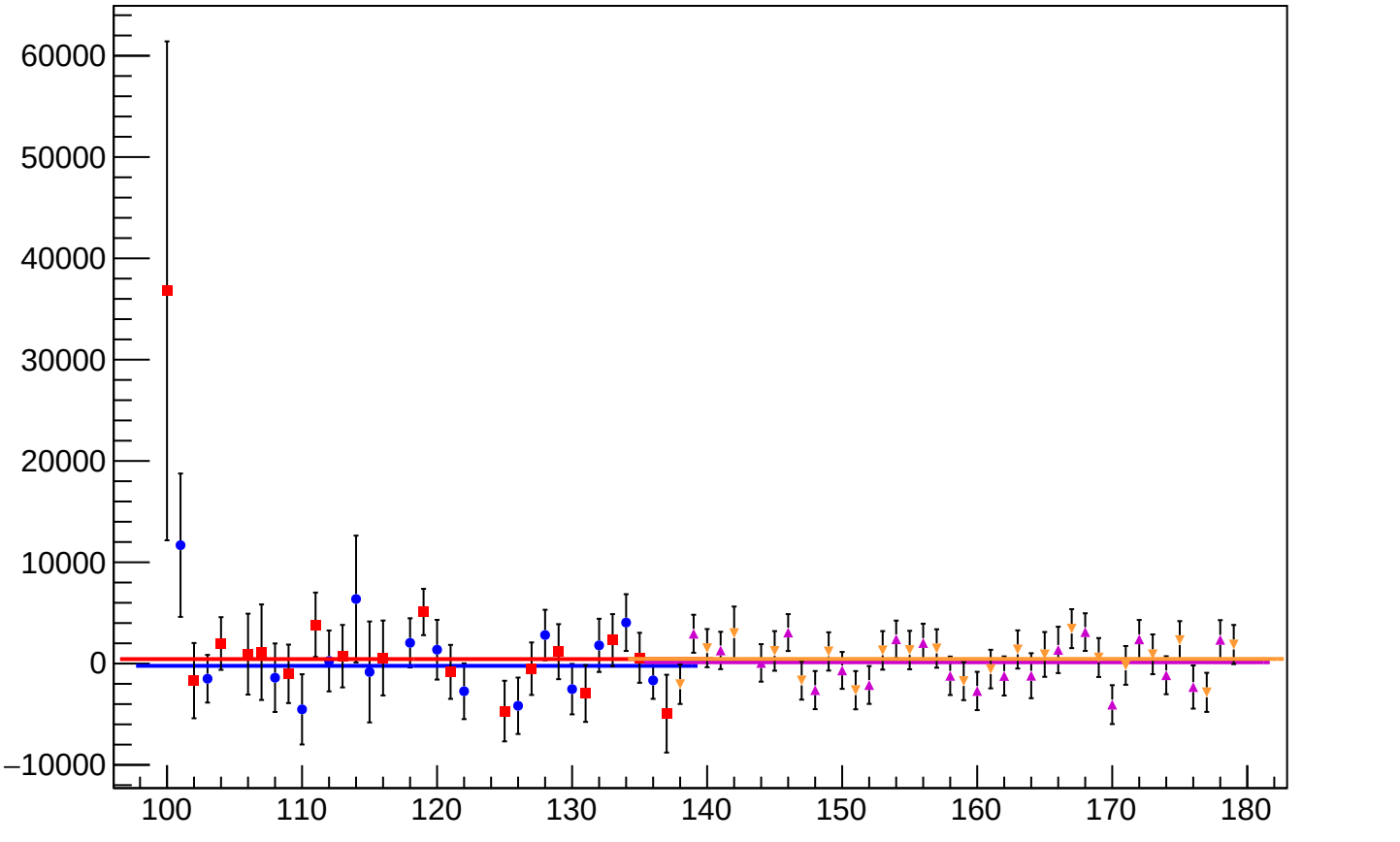
Left: 916.521+/-0.114 χ^2/NDF: 823504.7/40

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 990.228+/-0.149 χ^2/NDF:2931228.6/35

Out: 991.860+/-0.149 χ^2/NDF:3199962.0/38

All: 991.045+/-0.106 χ^2/NDF: 6131250.2/74



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 131.023+/-428.938 χ^2/NDF:27.2/19

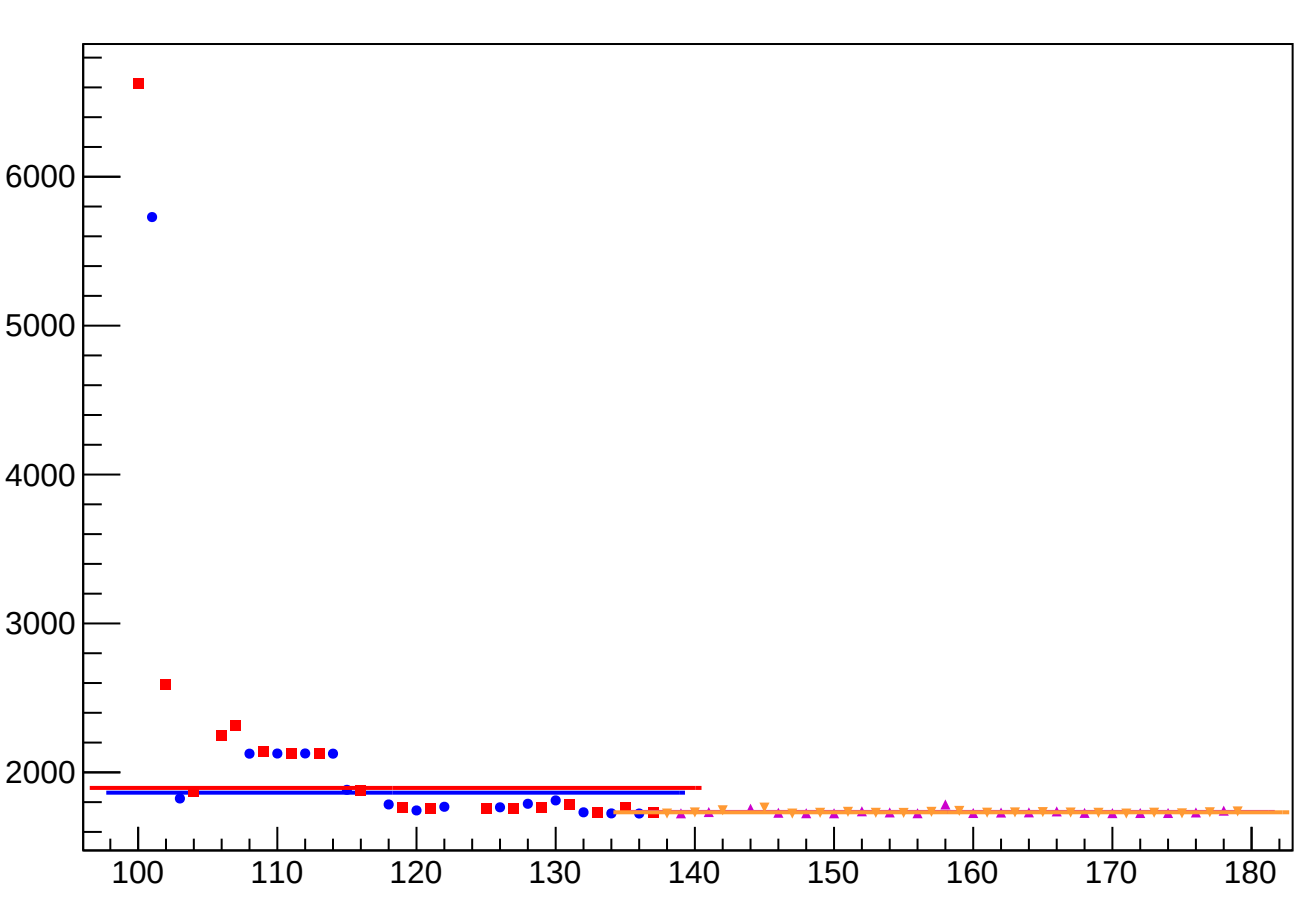
Left: 296.602+/-301.584 χ^2/NDF: 44.3/40

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 35.992+/-367.022 χ^2/NDF:43.2/35

Out: 454.437+/-364.514 χ^2/NDF:32.6/38

All: 246.649+/-258.633 χ^2/NDF: 76.4/74



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

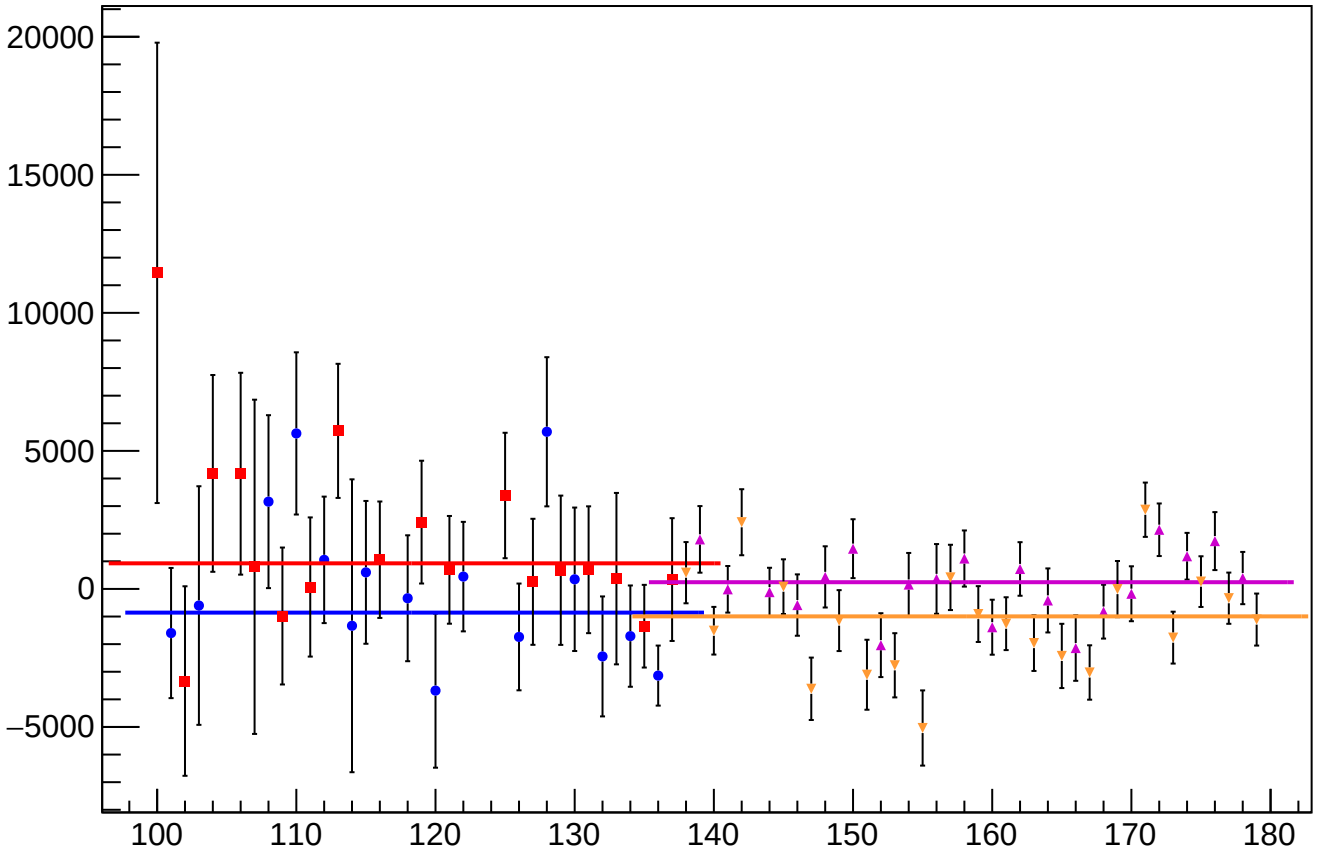
Left: 1732.996+/-0.213 χ^2/NDF: 2943.9/40

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1768.839+/-0.260 χ^2/NDF:725508.3/35

Out: 1774.602+/-0.258 χ^2/NDF:337810.6/38

All: 1771.740+/-0.183 χ^2/NDF: 1063567.2/74



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -994.542+/-226.311 χ^2/NDF:58.7/20

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 243.491+/-228.865 χ^2/NDF:24.3/19

Left: -382.471+/-160.922 χ^2/NDF: 97.8/40

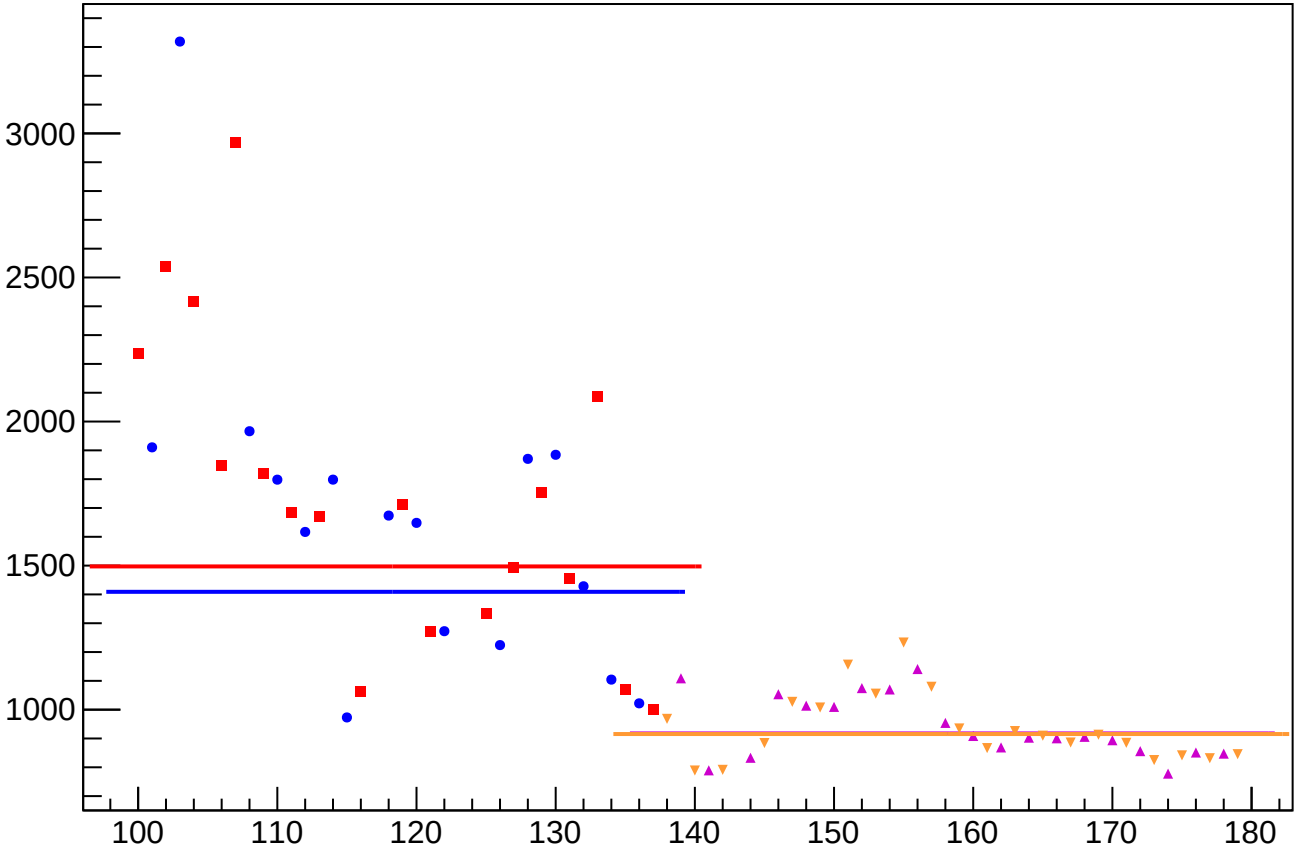
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 80.770+/-211.287 χ^2/NDF:48.3/35

Out: -744.293+/-211.063 χ^2/NDF:81.6/38

All: -332.200+/-149.323 χ^2/NDF: 137.6/74

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 917.638+/-0.162 χ^2/NDF:401498.3/19

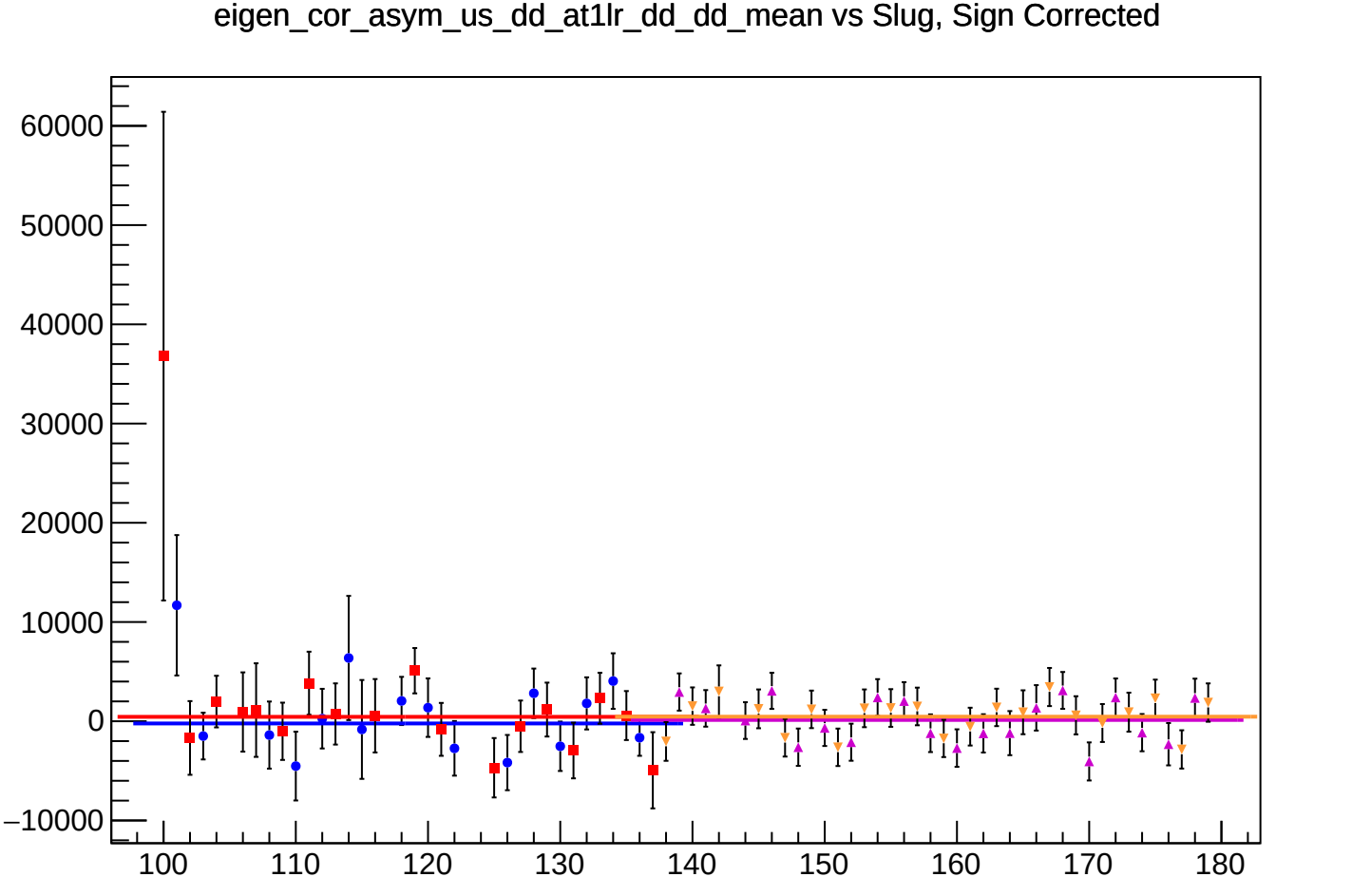
Left: 916.518+/-0.114 χ^2/NDF: 823498.1/40

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 990.221+/-0.149 χ^2/NDF:2930396.4/35

Out: 991.175+/-0.149 χ^2/NDF:3160840.2/38

All: 990.699+/-0.106 χ^2/NDF: 6091257.0/74



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 458.475+/-424.111 χ^2/NDF:16.8/20

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 131.023+/-428.938 χ^2/NDF:27.2/19

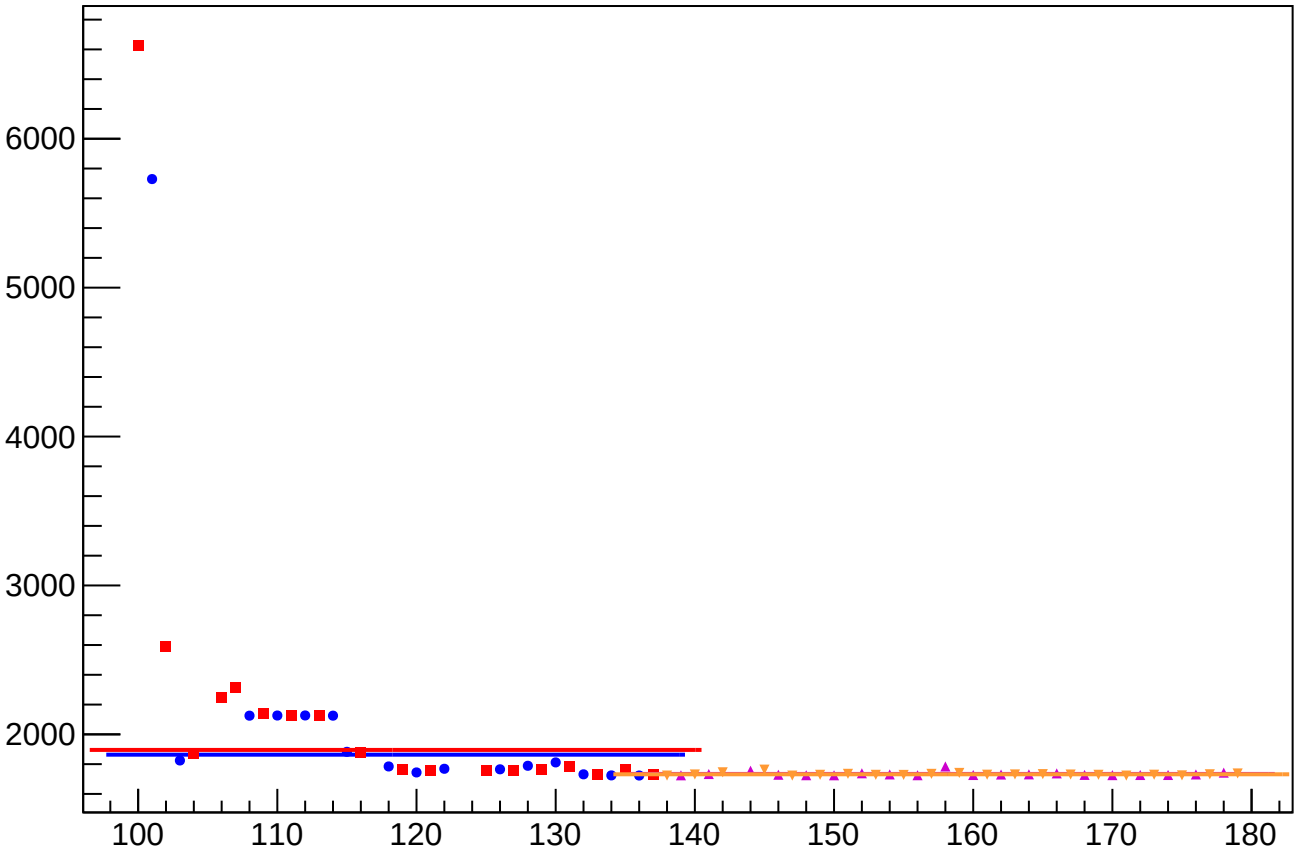
Left: 296.602+/-301.584 χ^2/NDF: 44.3/40

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 35.992+/-367.022 χ^2/NDF:43.2/35

Out: 454.437+/-364.514 χ^2/NDF:32.6/38

All: 246.649+/-258.633 χ^2/NDF: 76.4/74



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.841+/-0.300 χ^2/NDF:828.9/20

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.176+/-0.303 χ^2/NDF:2085.0/19

Left: 1732.996+/-0.213 χ^2/NDF: 2943.9/40

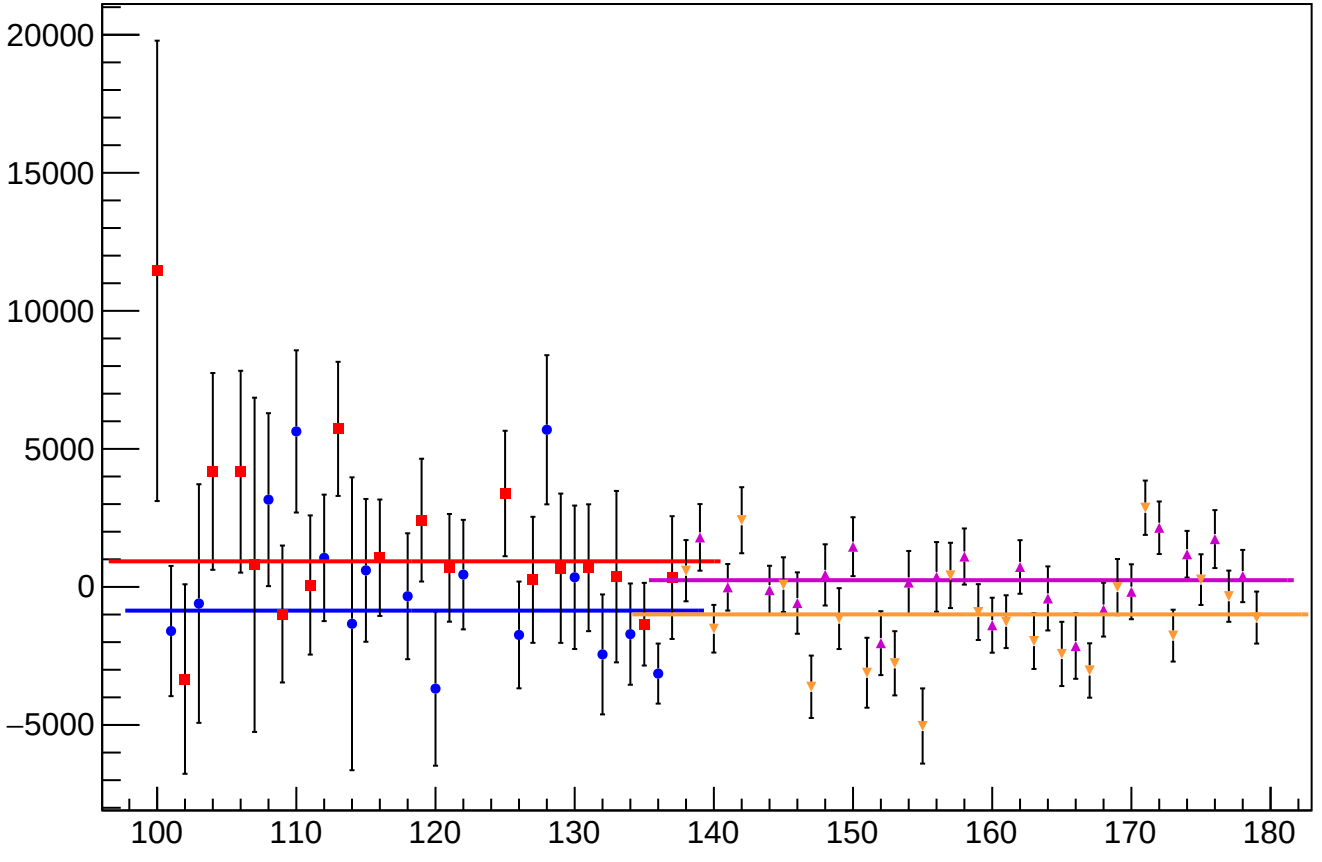
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1768.839+/-0.260 χ^2/NDF:725508.3/35

Out: 1774.602+/-0.258 χ^2/NDF:337810.6/38

All: 1771.740+/-0.183 χ^2/NDF: 1063567.2/74

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -994.542+/-226.311 χ^2/NDF:58.7/20

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 243.491+/-228.865 χ^2/NDF:24.3/19

Left: -382.471+/-160.922 χ^2/NDF: 97.8/40

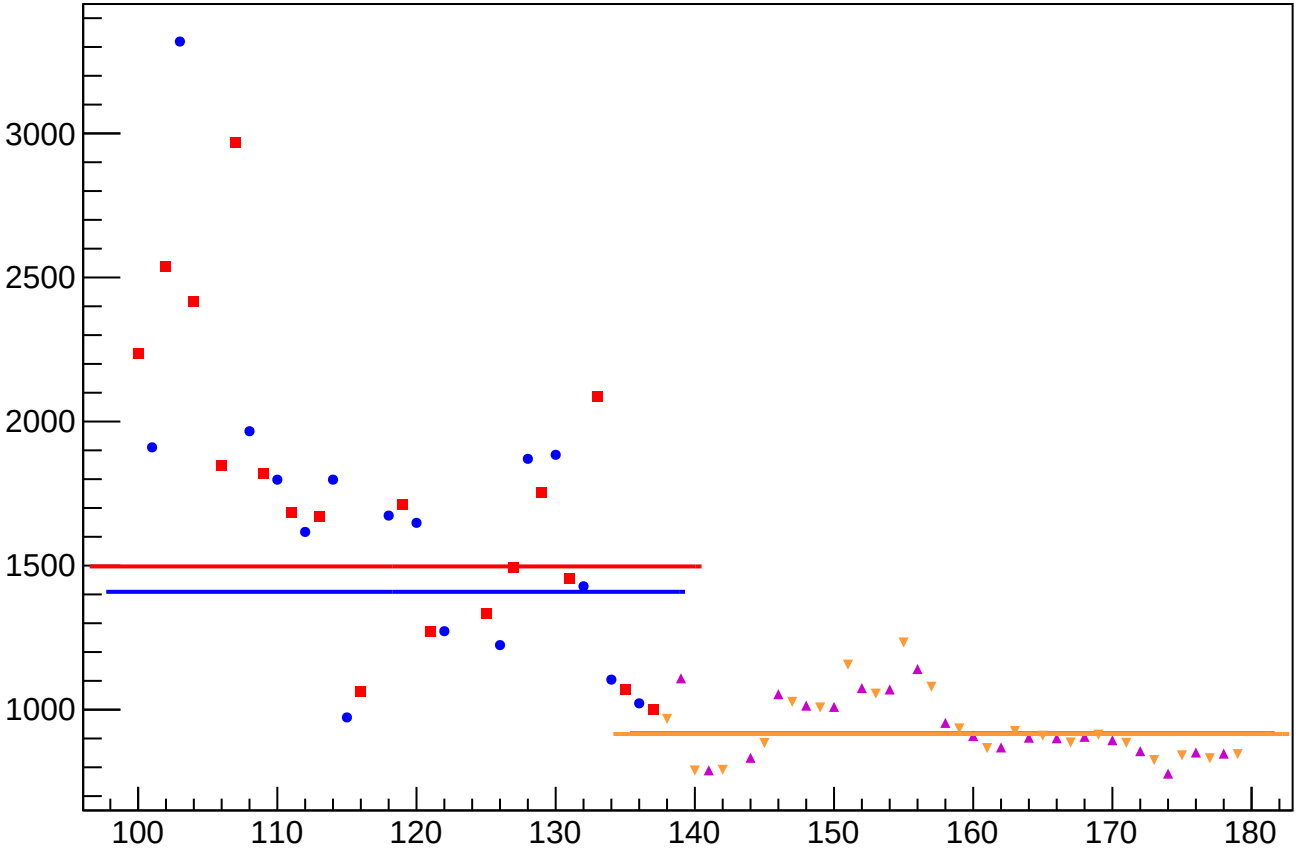
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 80.770+/-211.287 χ^2/NDF:48.3/35

Out: -744.293+/-211.063 χ^2/NDF:81.6/38

All: -332.200+/-149.323 χ^2/NDF: 137.6/74

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 915.423+/-0.160 χ^2/NDF:421905.1/20

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 917.638+/-0.162 χ^2/NDF:401498.3/19

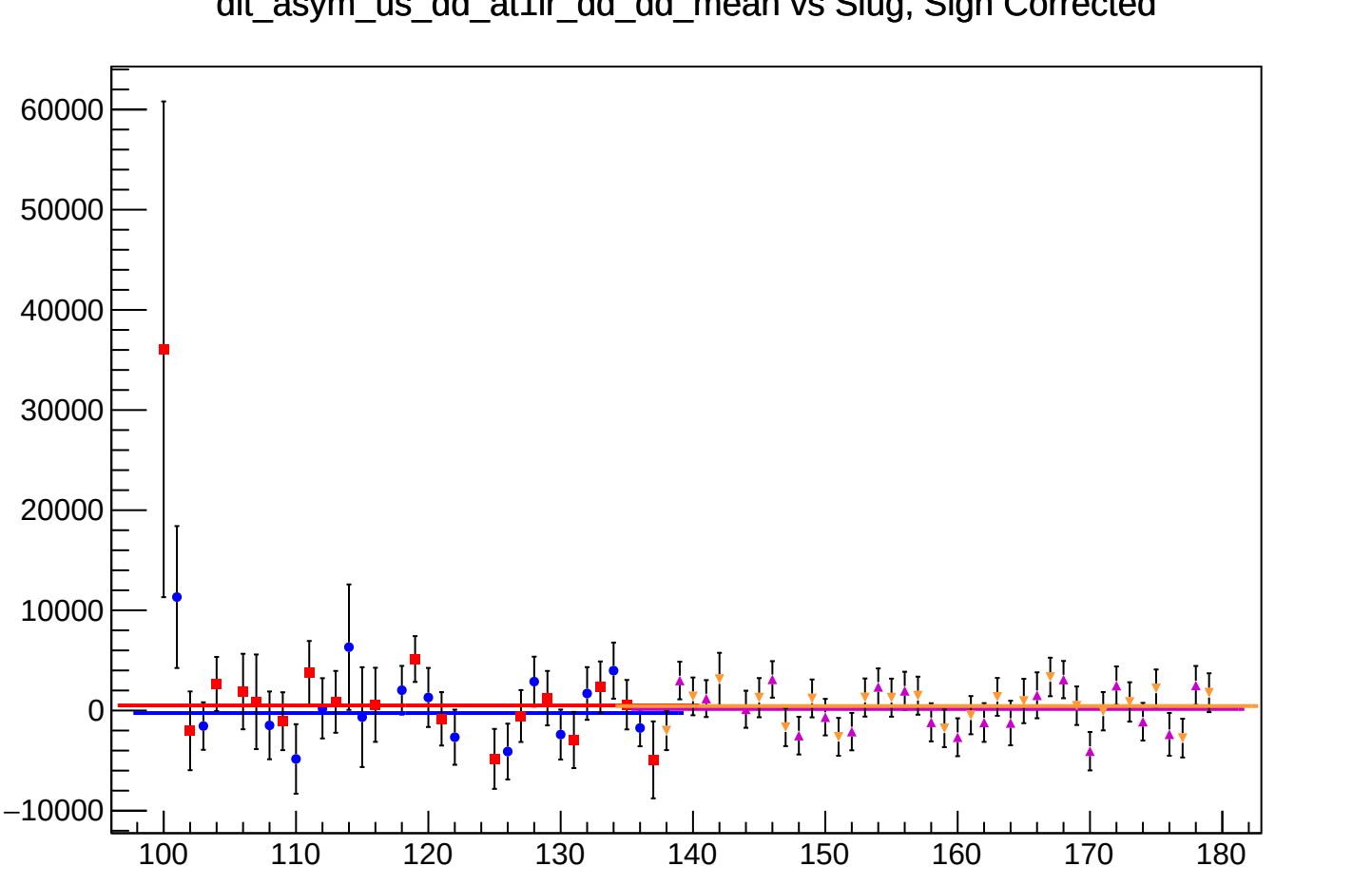
Left: 916.518+/-0.114 χ^2/NDF: 823498.1/40

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 990.221+/-0.149 χ^2/NDF:2930396.4/35

Out: 991.175+/-0.149 χ^2/NDF:3160840.2/38

All: 990.699+/-0.106 χ^2/NDF: 6091257.0/74



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 154.711+/-429.255 χ^2/NDF:27.3/19

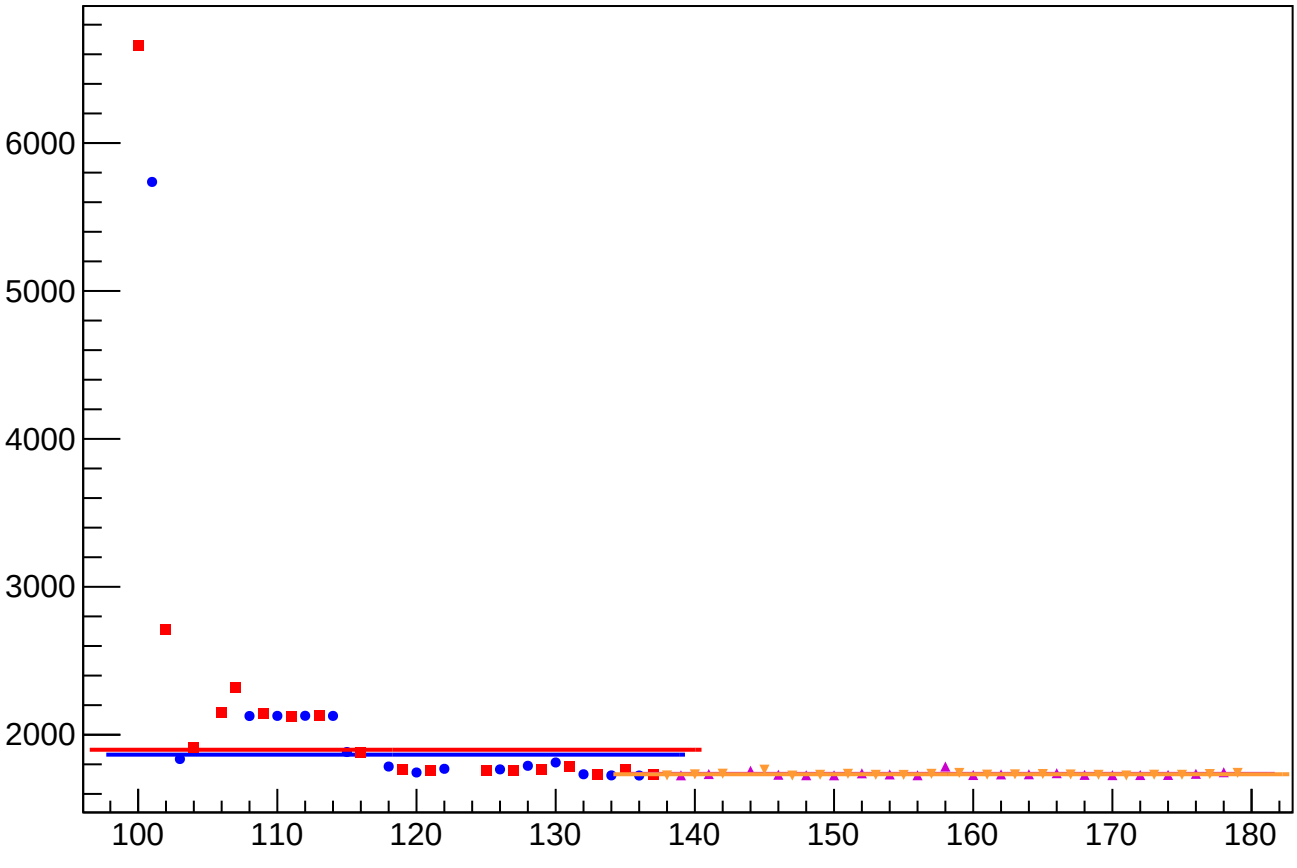
Left: 302.370+/-301.799 χ^2/NDF: 43.7/40

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 45.830+/-367.334 χ^2/NDF:43.2/35

Out: 463.215+/-365.012 χ^2/NDF:32.6/38

All: 255.846+/-258.920 χ^2/NDF: 76.5/74



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.006+/-0.300 χ^2/NDF:777.3/20

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.455+/-0.304 χ^2/NDF:2102.9/19

Left: 1734.216+/-0.213 χ^2/NDF: 2913.1/40

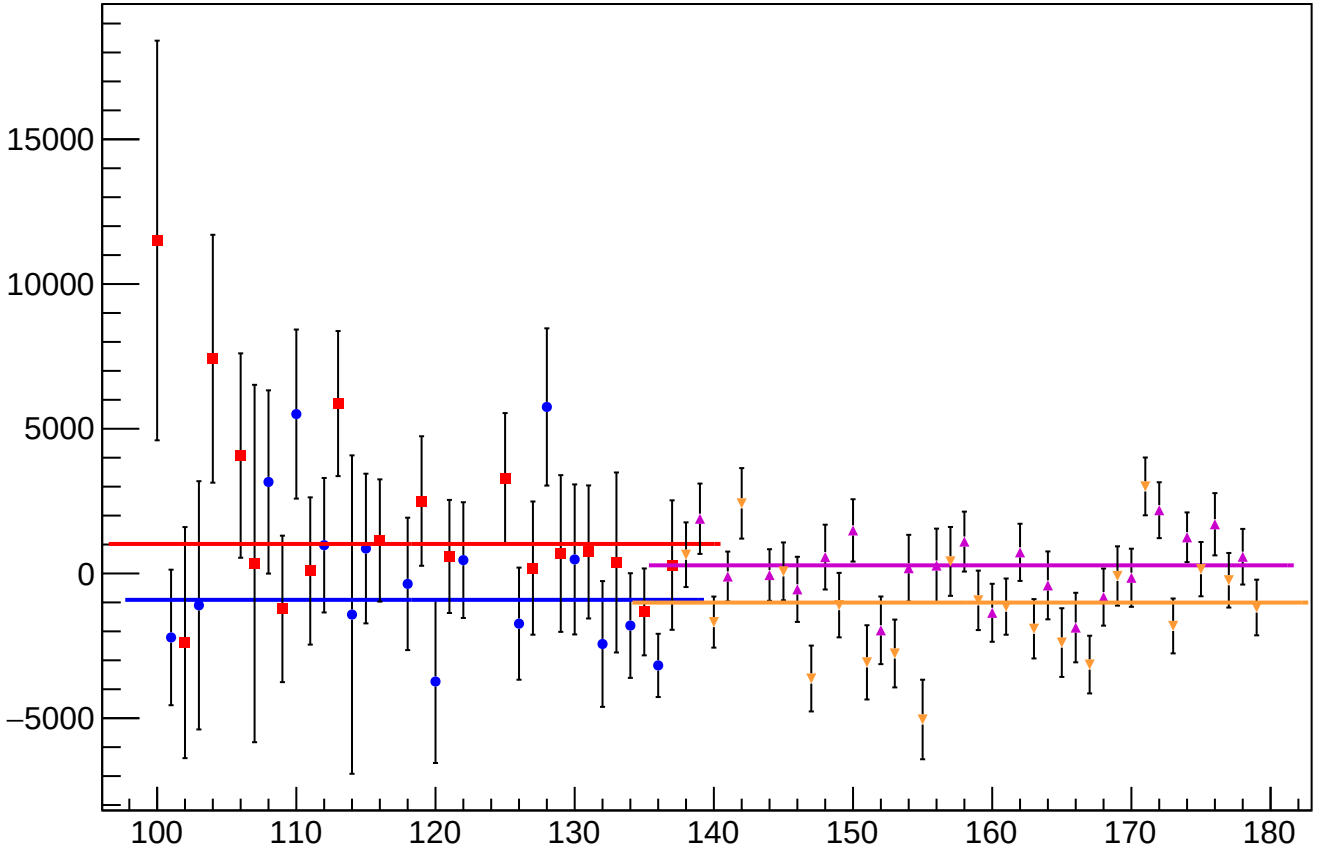
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1770.251+/-0.260 χ^2/NDF:726186.3/35

Out: 1776.110+/-0.258 χ^2/NDF:349146.0/38

All: 1773.199+/-0.183 χ^2/NDF: 1075588.4/74

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1005.464+/-229.397 χ^2/NDF:58.8/20

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 280.788+/-231.877 χ^2/NDF:23.1/19

Left: -369.251+/-163.078 χ^2/NDF: 97.5/40

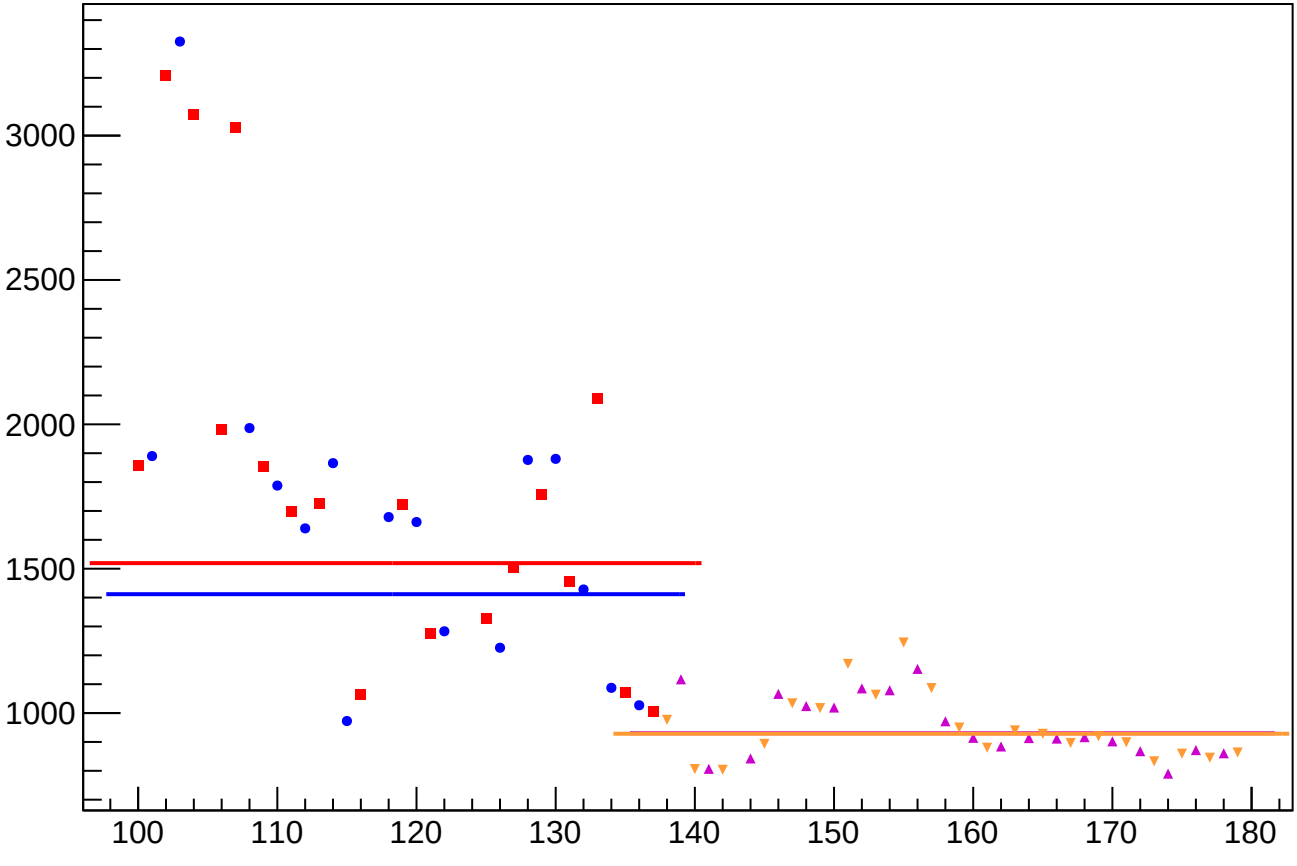
Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 101.397+/-213.713 χ^2/NDF:48.1/35

Out: -740.712+/-213.881 χ^2/NDF:83.9/38

All: -319.327+/-151.177 χ^2/NDF: 139.8/74

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 928.431+/-0.162 χ^2/NDF:400396.0/20

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 930.206+/-0.164 χ^2/NDF:382740.2/19

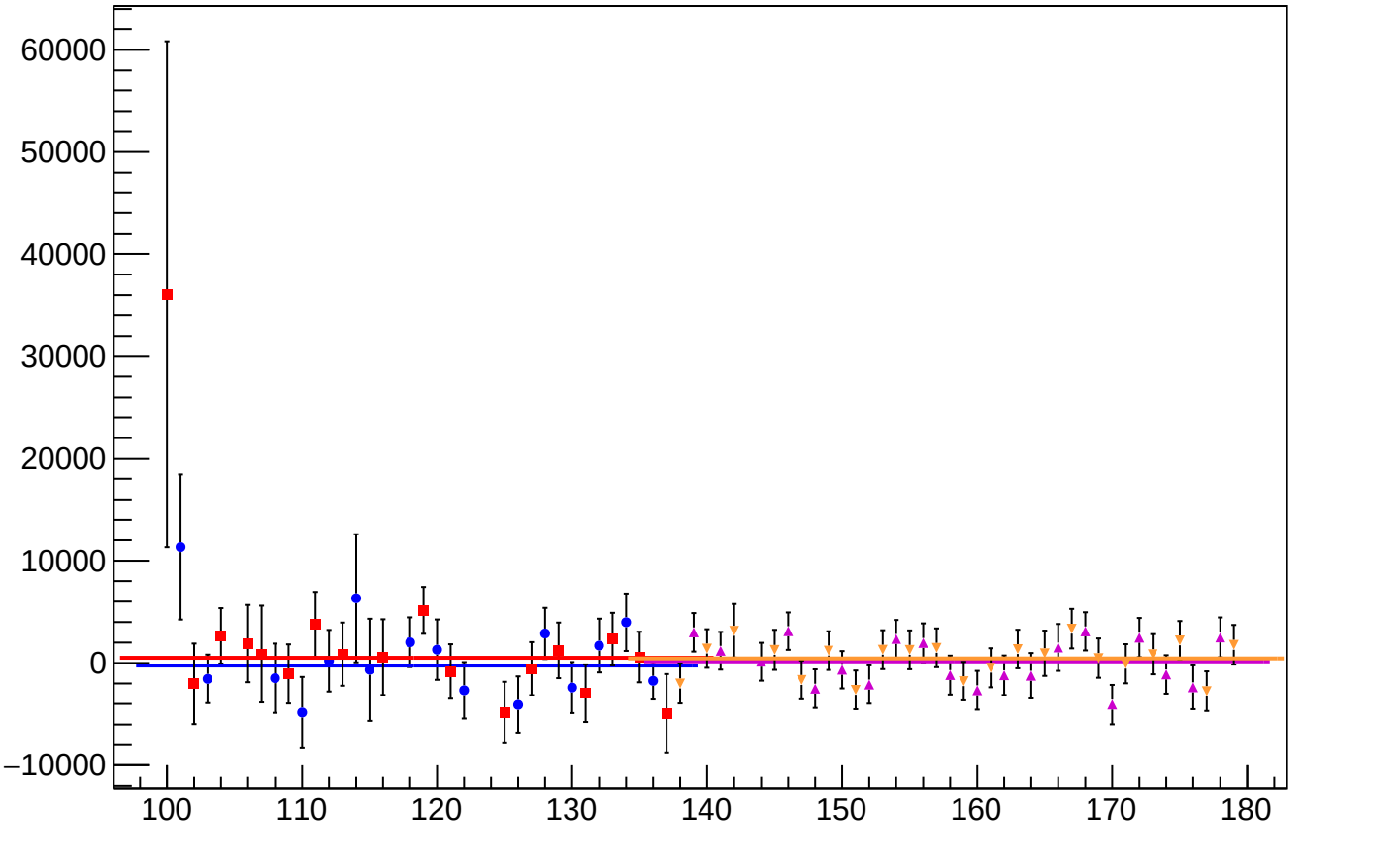
Left: 929.309+/-0.115 χ^2/NDF: 783195.5/40

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1002.692+/-0.151 χ^2/NDF:2858865.2/35

Out: 1005.661+/-0.151 χ^2/NDF:3494867.1/38

All: 1004.175+/-0.107 χ^2/NDF: 6353925.1/74



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 446.710+/-424.403 χ^2/NDF:16.2/20

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 154.711+/-429.255 χ^2/NDF:27.3/19

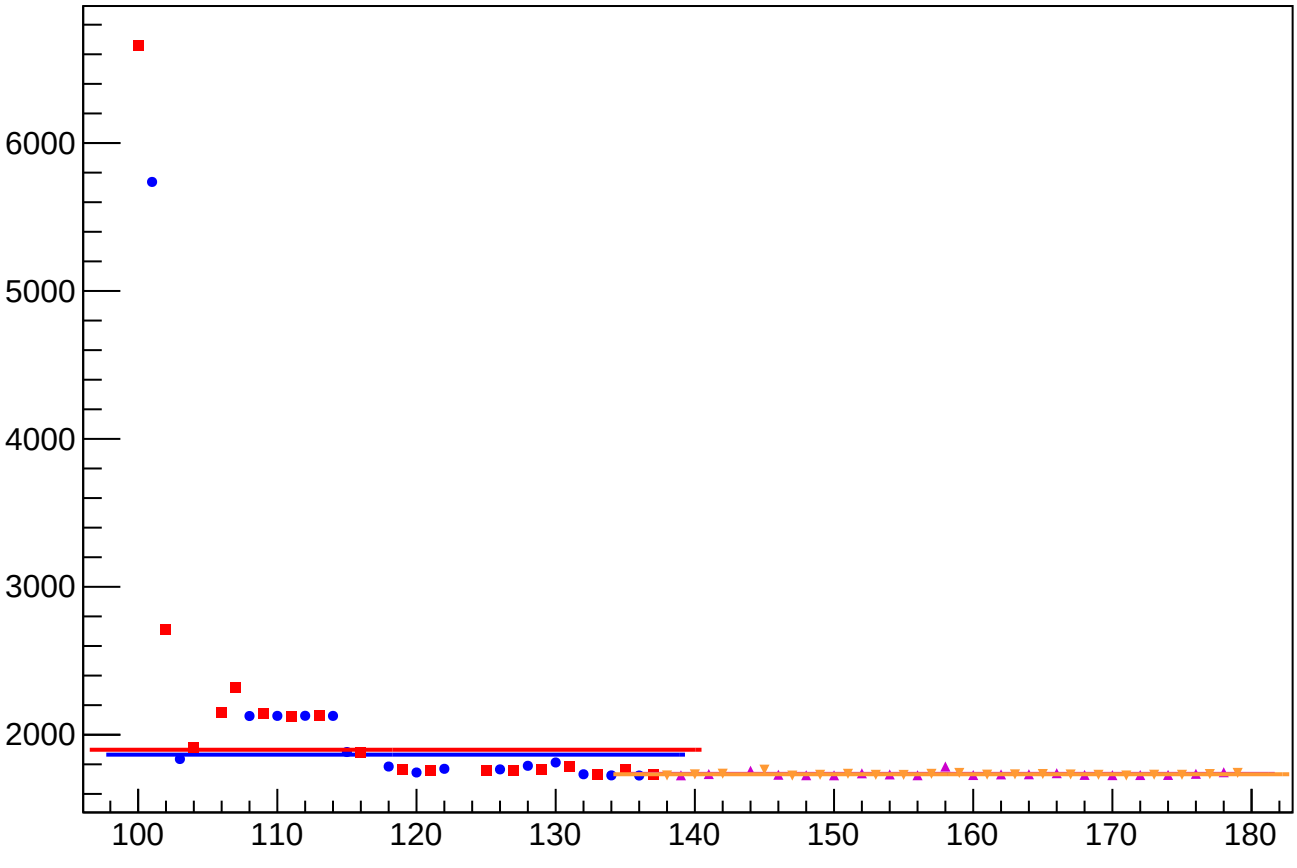
Left: 302.370+/-301.799 χ^2/NDF: 43.7/40

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 45.831+/-367.334 χ^2/NDF:43.2/35

Out: 463.214+/-365.012 χ^2/NDF:32.6/38

All: 255.846+/-258.920 χ^2/NDF: 76.5/74



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.006+/-0.300 χ^2/NDF:777.3/20

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.455+/-0.304 χ^2/NDF:2102.9/19

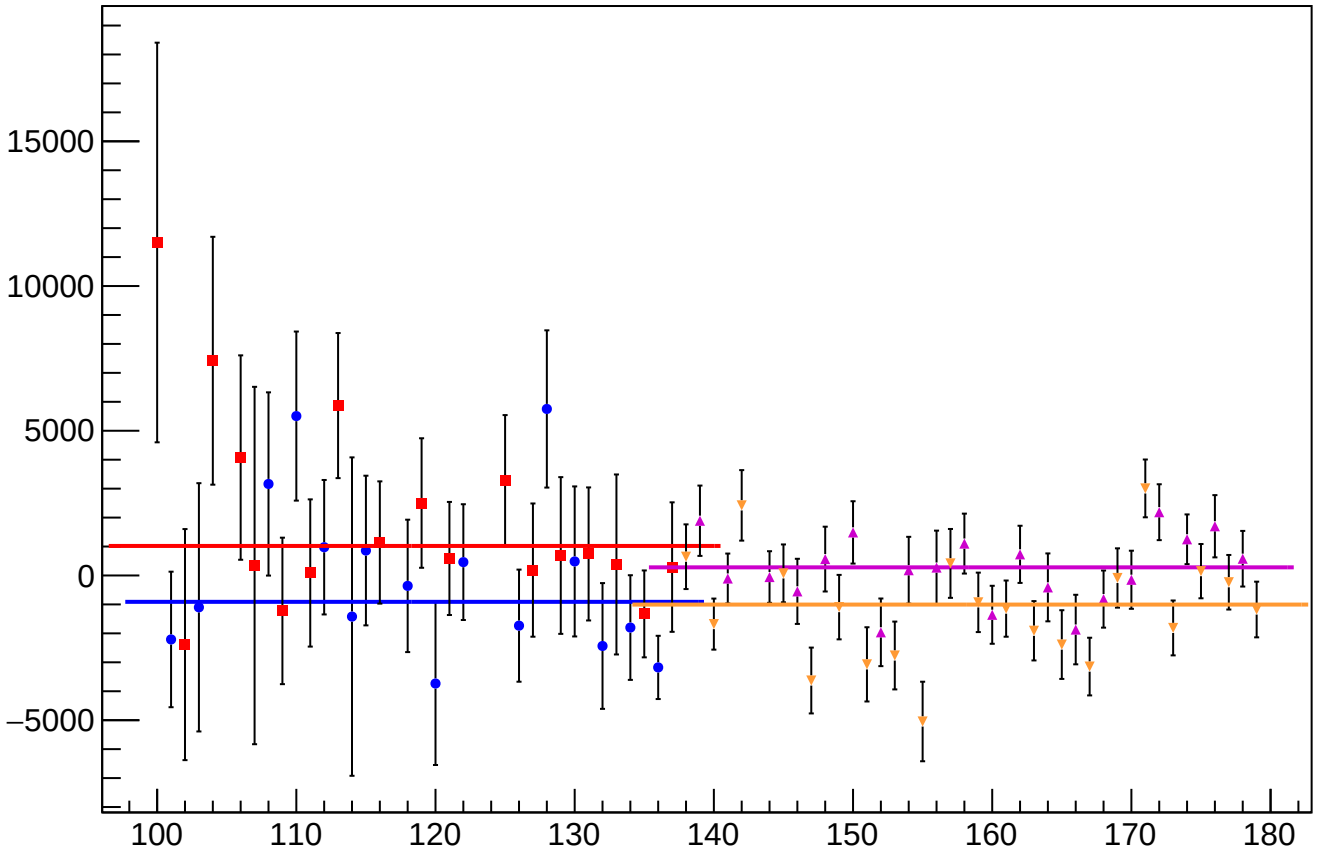
Left: 1734.216+/-0.213 χ^2/NDF: 2913.1/40

Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1770.251+/-0.260 χ^2/NDF:726186.3/35

Out: 1776.110+/-0.258 χ^2/NDF:349145.7/38

All: 1773.199+/-0.183 χ^2/NDF: 1075588.0/74



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1005.464+/-229.397 χ^2/NDF:58.8/20

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 280.787+/-231.877 χ^2/NDF:23.1/19

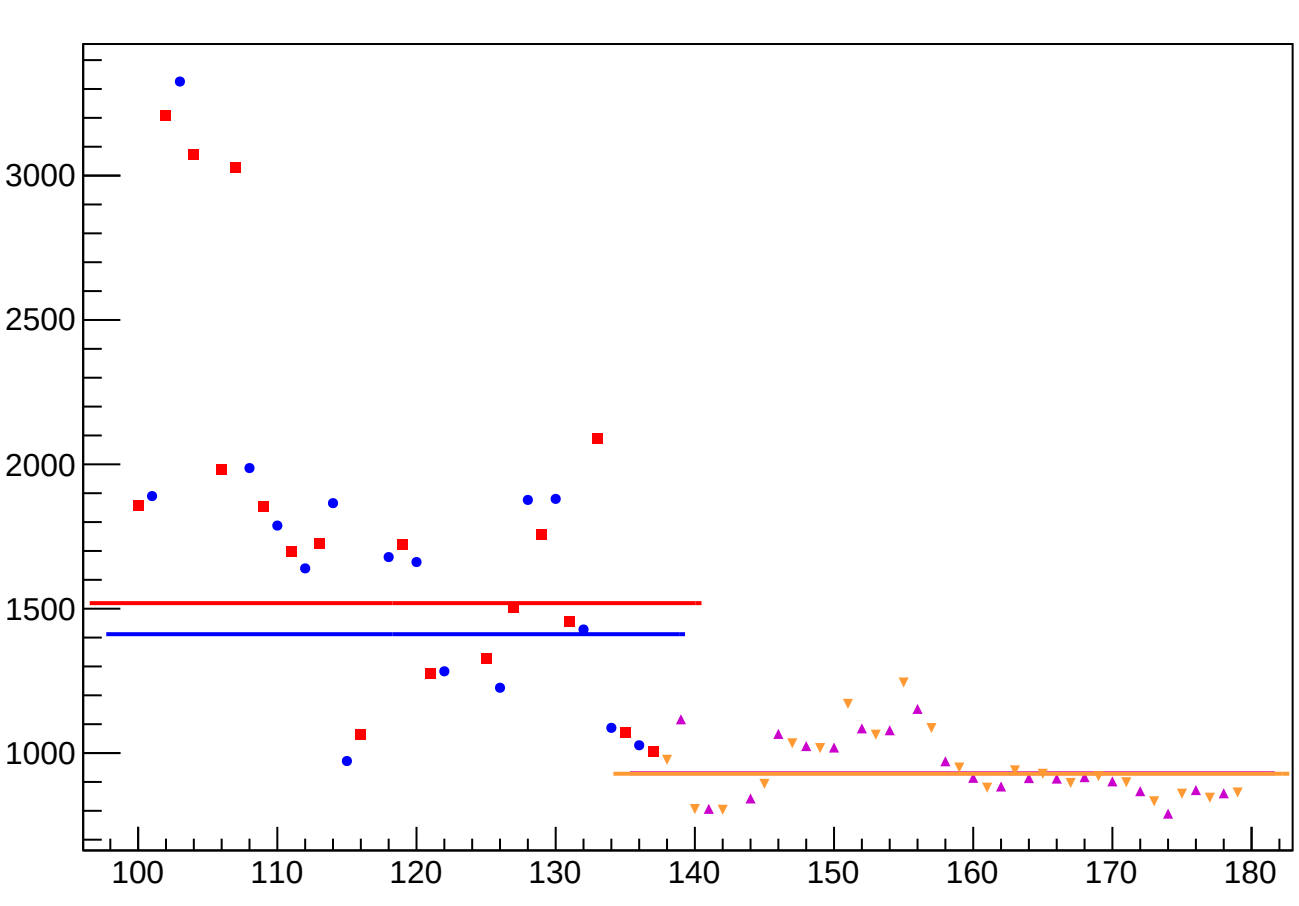
Left: -369.252+/-163.078 χ^2/NDF: 97.5/40

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 101.396+/-213.713 χ^2/NDF:48.1/35

Out: -740.711+/-213.881 χ^2/NDF:83.9/38

All: -319.327+/-151.177 χ^2/NDF: 139.8/74



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 928.431+/-0.162 χ^2/NDF:400404.5/20

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 930.206+/-0.164 χ^2/NDF:382748.8/19

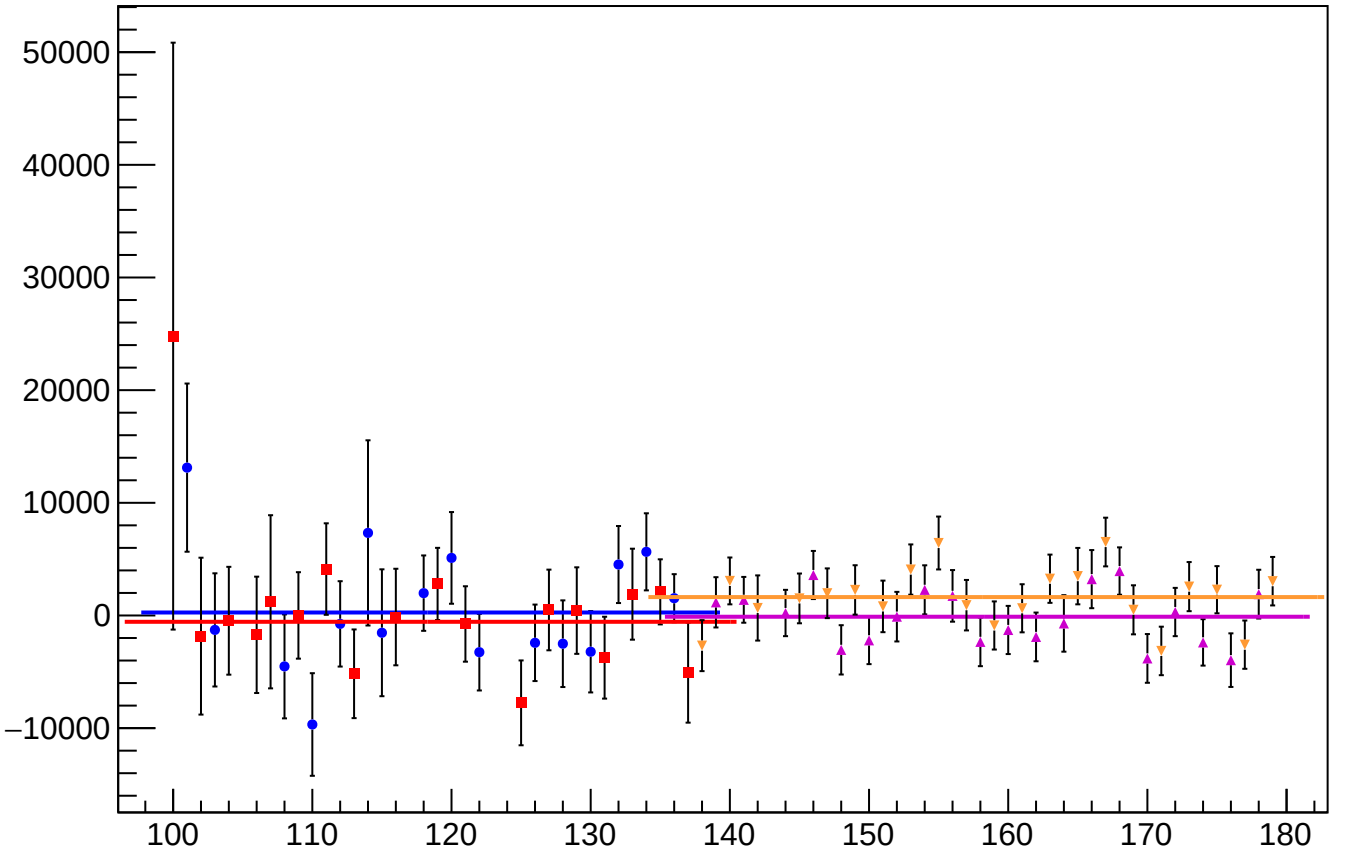
Left: 929.309+/-0.115 χ^2/NDF: 783212.5/40

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1002.692+/-0.151 χ^2/NDF:2858862.7/35

Out: 1005.660+/-0.151 χ^2/NDF:3494871.1/38

All: 1004.175+/-0.107 χ^2/NDF: 6353926.6/74



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1632.731+/-484.122 χ^2/NDF:27.6/20

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -111.549+/-489.108 χ^2/NDF:23.7/19

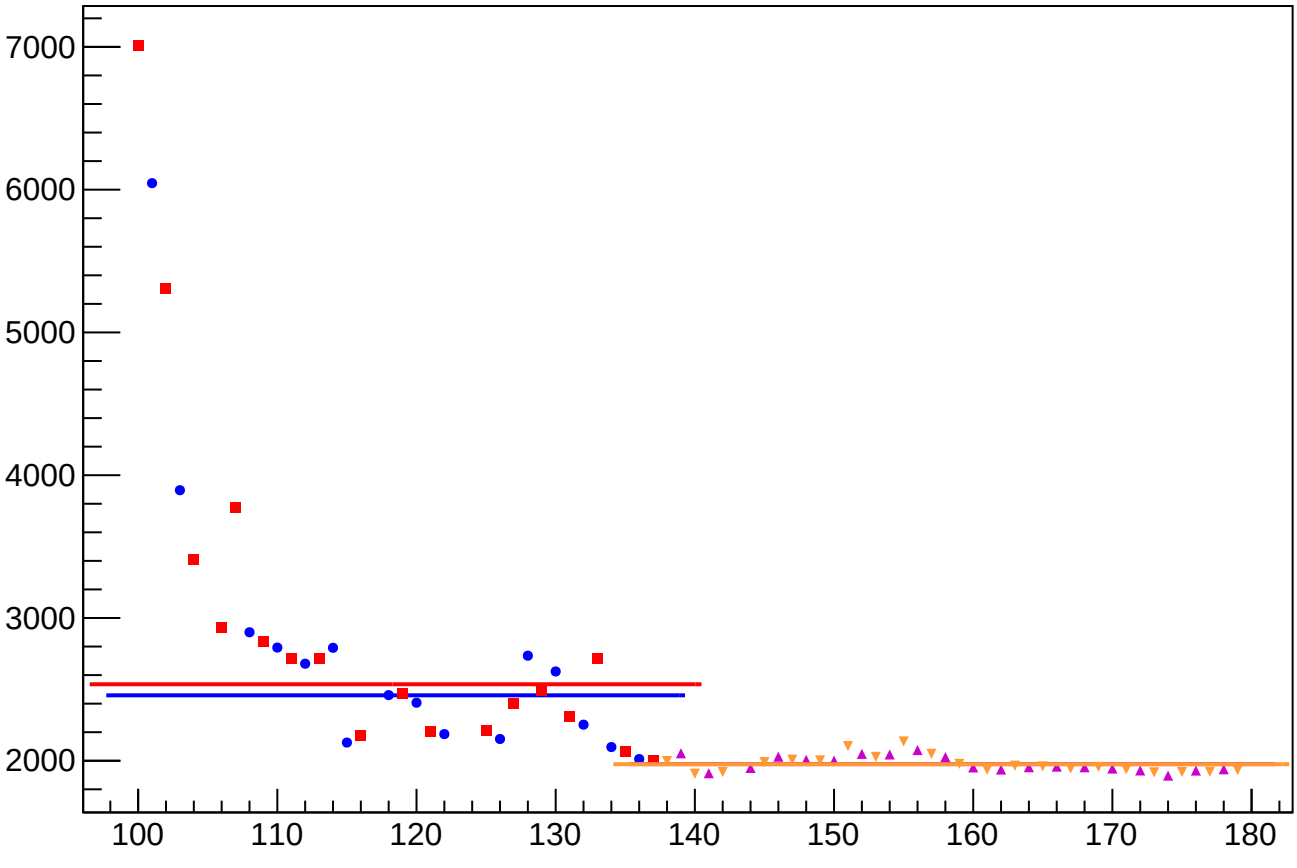
Left: 769.526+/-344.075 χ^2/NDF: 57.7/40

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -31.719+/-434.081 χ^2/NDF:42.9/35

Out: 1190.125+/-432.535 χ^2/NDF:43.5/38

All: 581.383+/-306.393 χ^2/NDF: 90.3/74



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1975.745+/-0.342 χ^2/NDF:28798.7/20

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1976.601+/-0.346 χ^2/NDF:22181.5/19

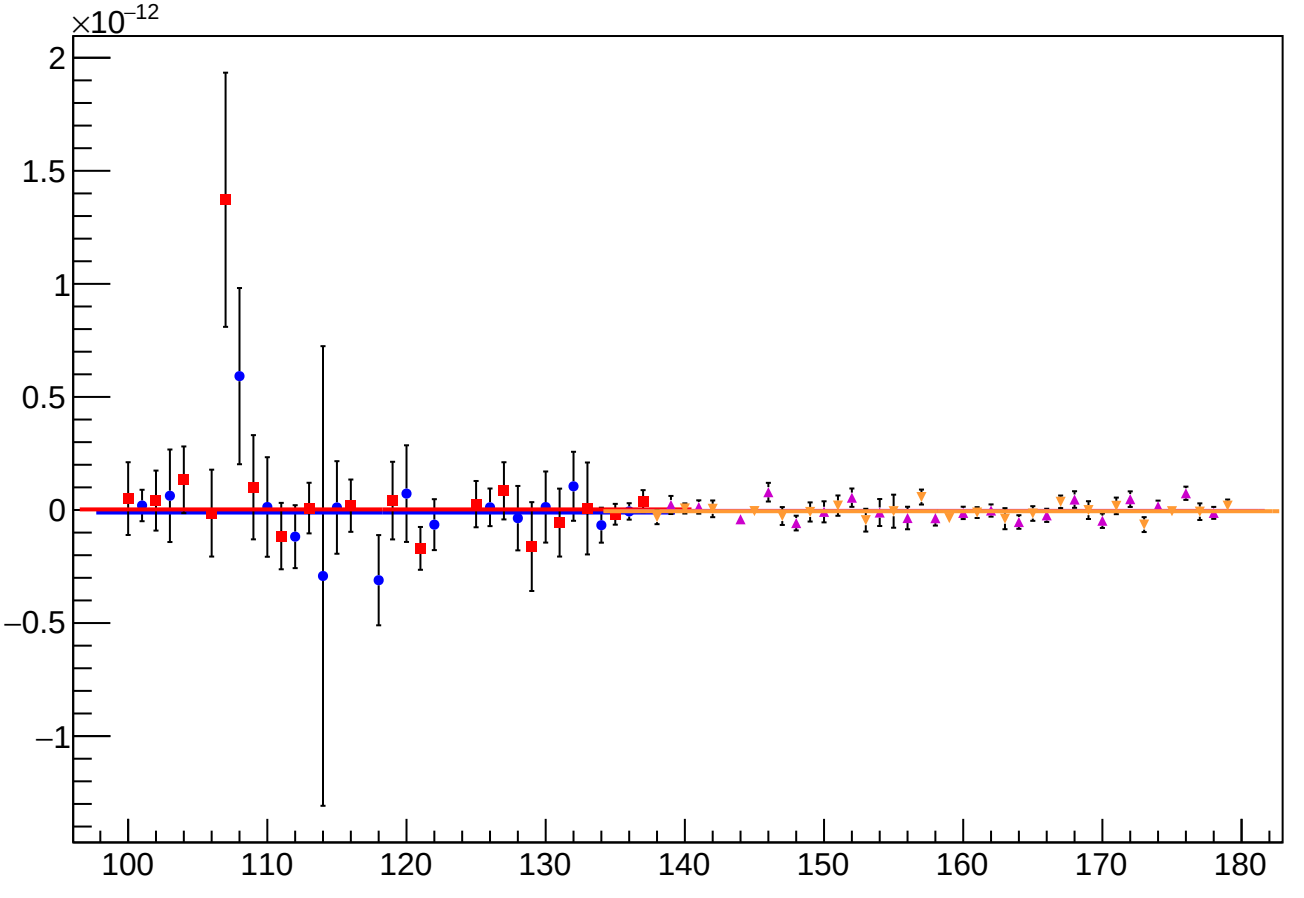
Left: 1976.168+/-0.243 χ^2/NDF: 50983.3/40

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2078.898+/-0.307 χ^2/NDF:1267061.4/35

Out: 2088.740+/-0.306 χ^2/NDF:1242141.3/38

All: 2083.836+/-0.217 χ^2/NDF: 2509718.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:31.1/19

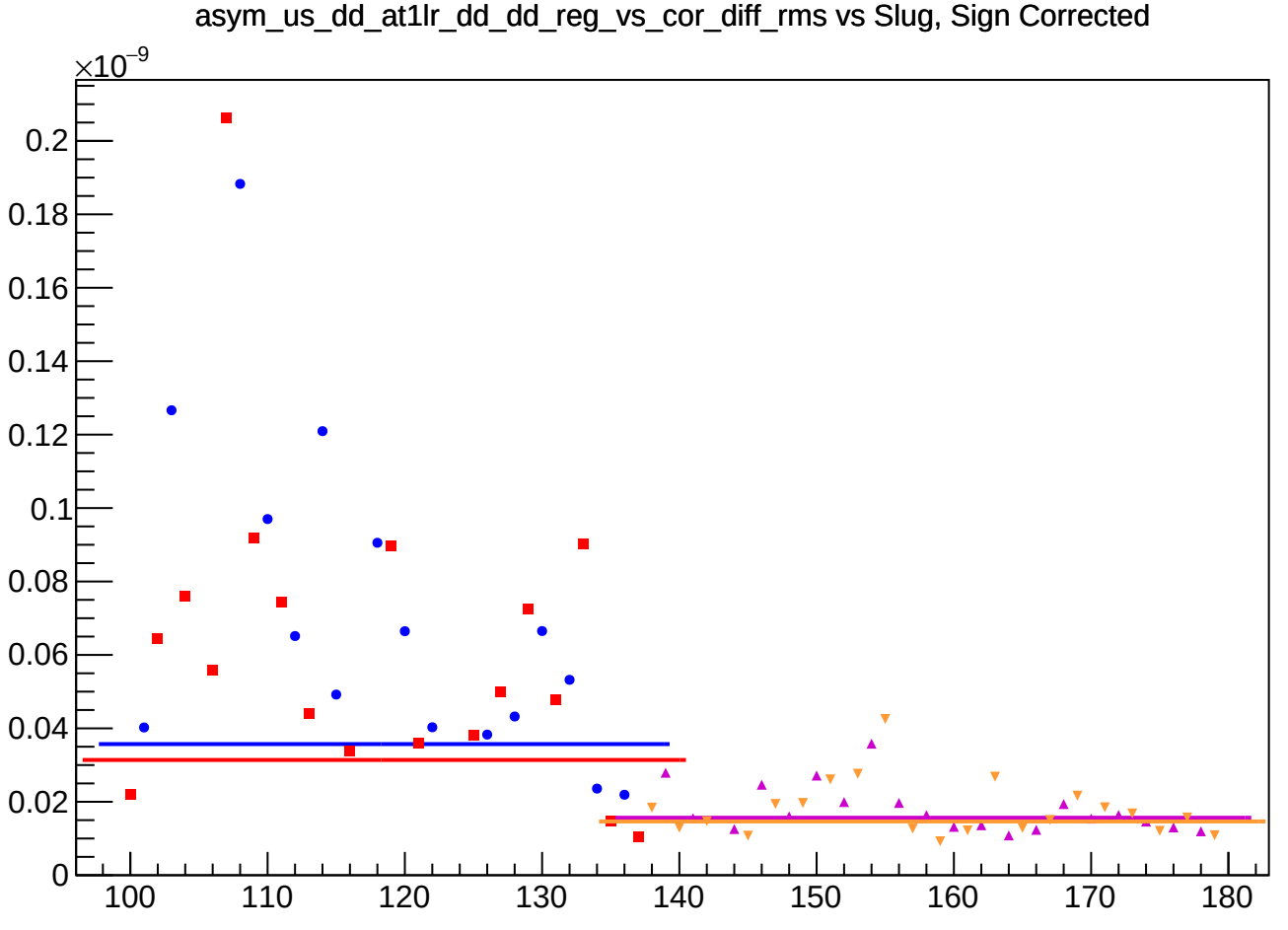
Left: -0.000+/-0.000 χ^2/NDF: 46.3/40

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:38.5/35

Out: -0.000+/-0.000 χ^2/NDF:28.4/38

All: -0.000+/-0.000 χ^2/NDF: 66.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1172432.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:897337.3/19

Left: 0.000+/-0.000 χ^2/NDF: 2091277.2/40

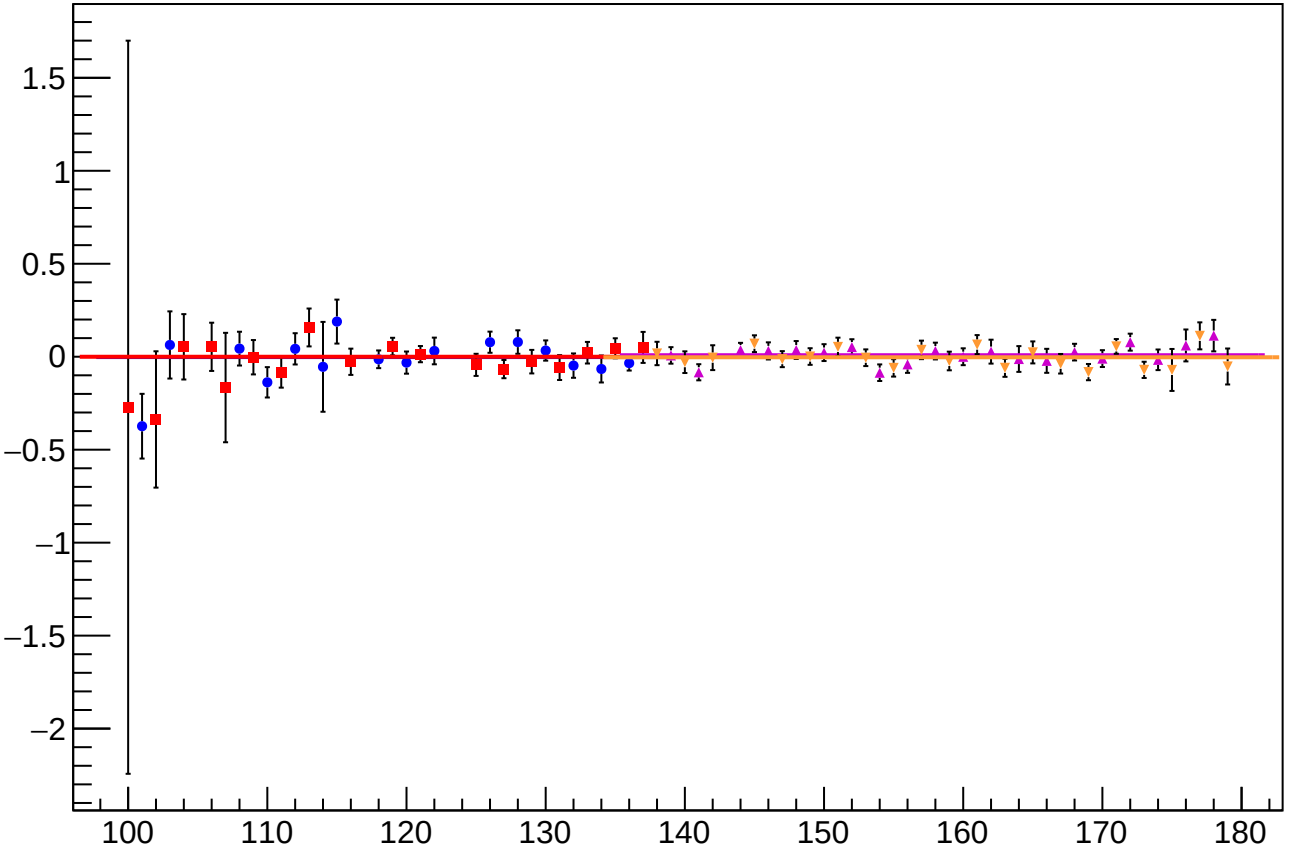
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3751472.8/35

Out: 0.000+/-0.000 χ^2/NDF:4119110.6/38

All: 0.000+/-0.000 χ^2/NDF: 7914446.8/74

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.7/40

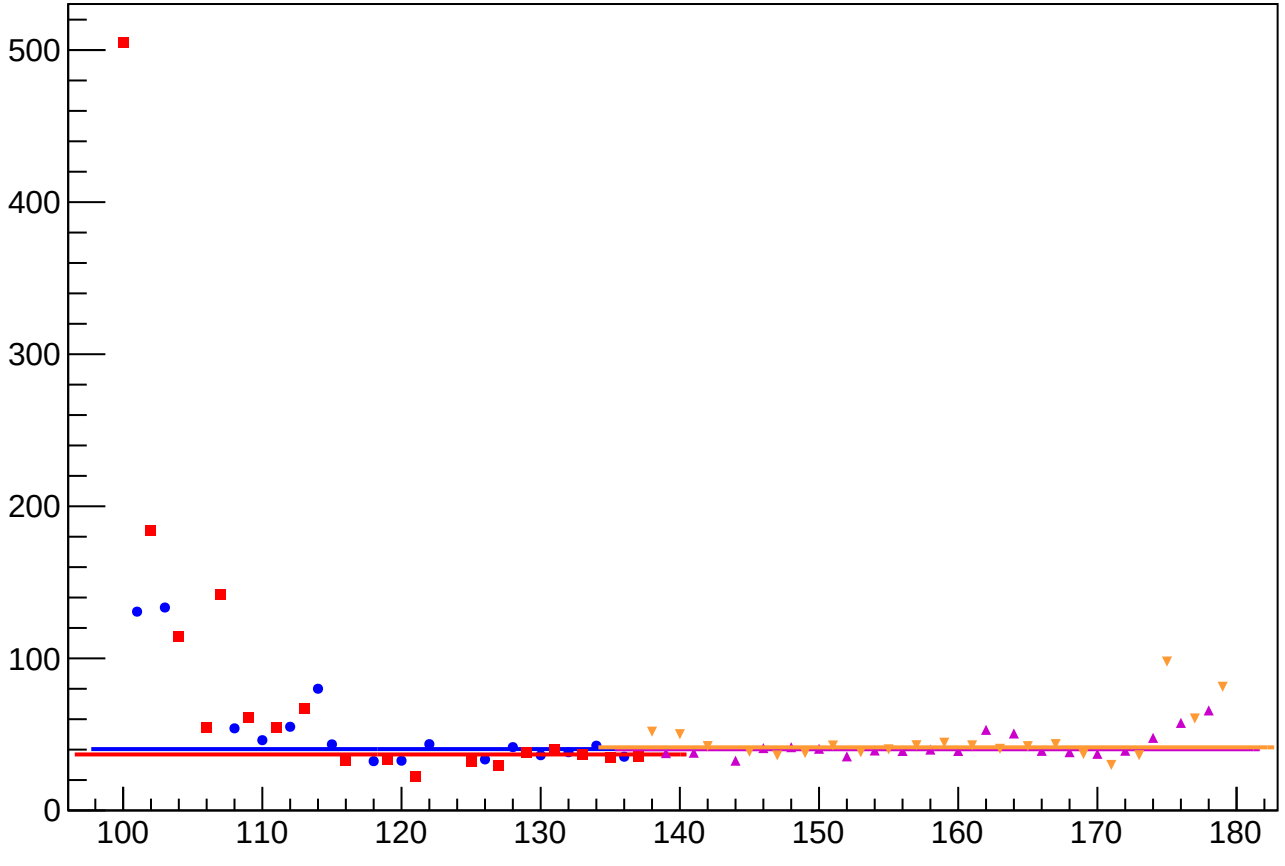
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.8/74

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.500+/-0.008 χ^2/NDF:1374864.1/20

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.239+/-0.008 χ^2/NDF:554297.8/19

Left: 40.855+/-0.006 χ^2/NDF: 1942138.6/40

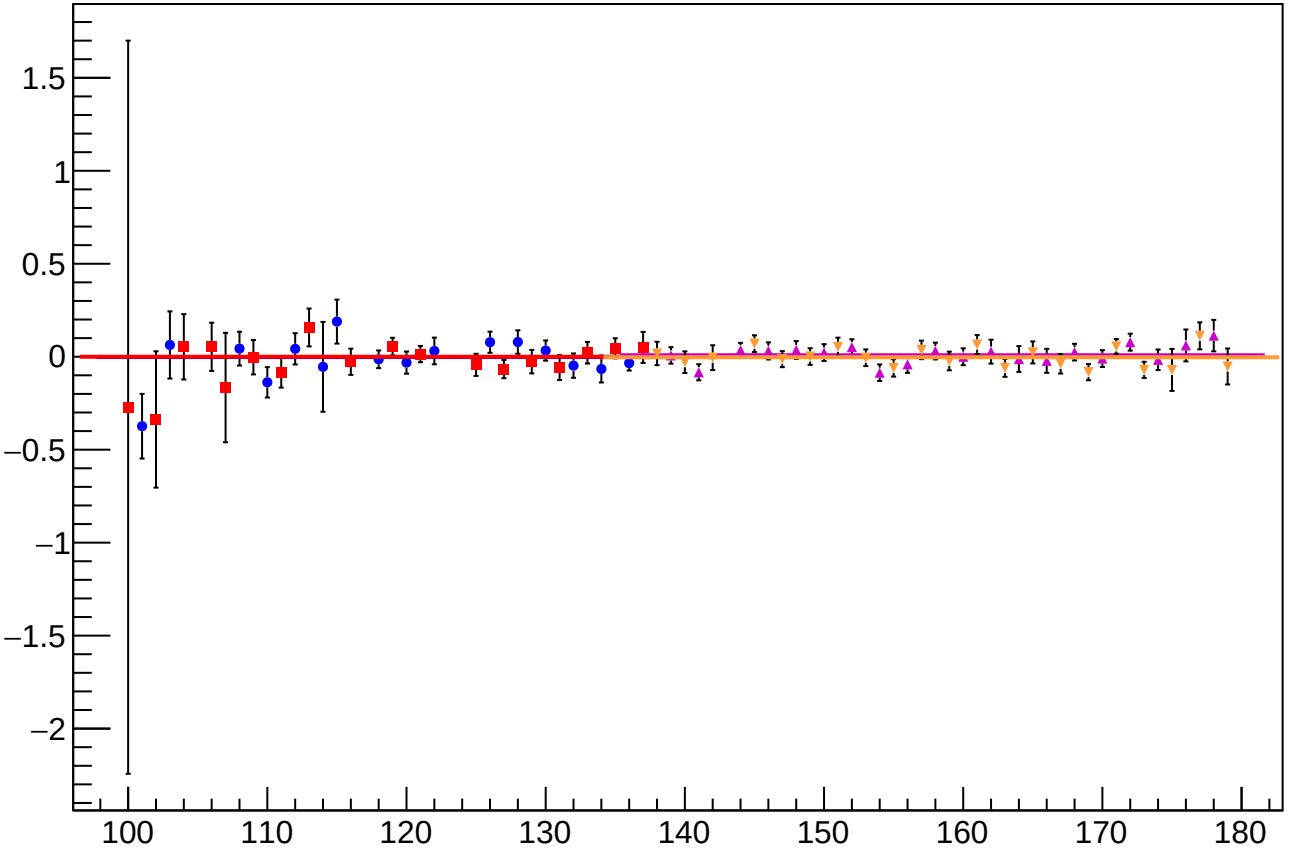
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.272+/-0.007 χ^2/NDF:1964496.5/35

Out: 40.046+/-0.007 χ^2/NDF:3320434.7/38

All: 40.160+/-0.005 χ^2/NDF: 5285525.1/74

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.7/40

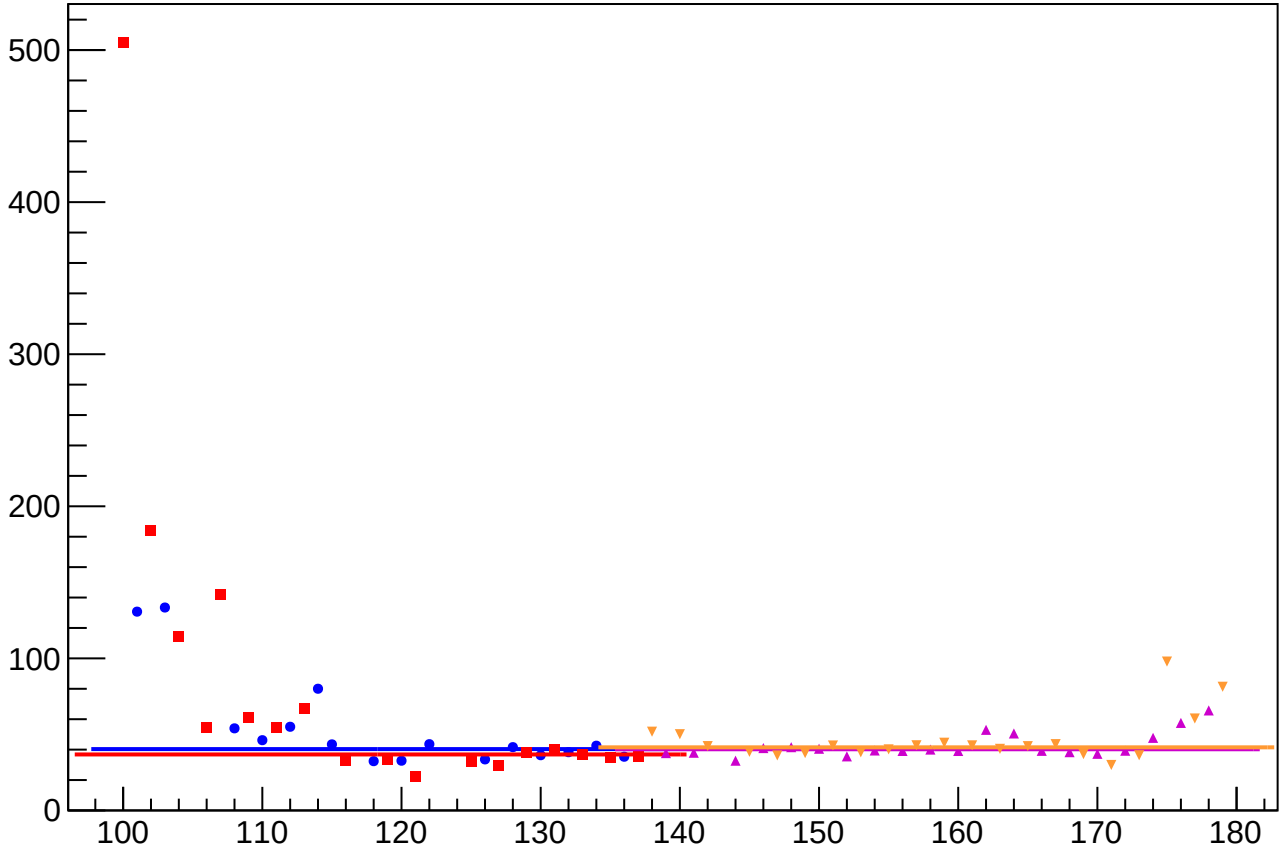
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.8/74

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.500+/-0.008 χ^2/NDF:1374864.1/20

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 40.239+/-0.008 χ^2/NDF:554297.8/19

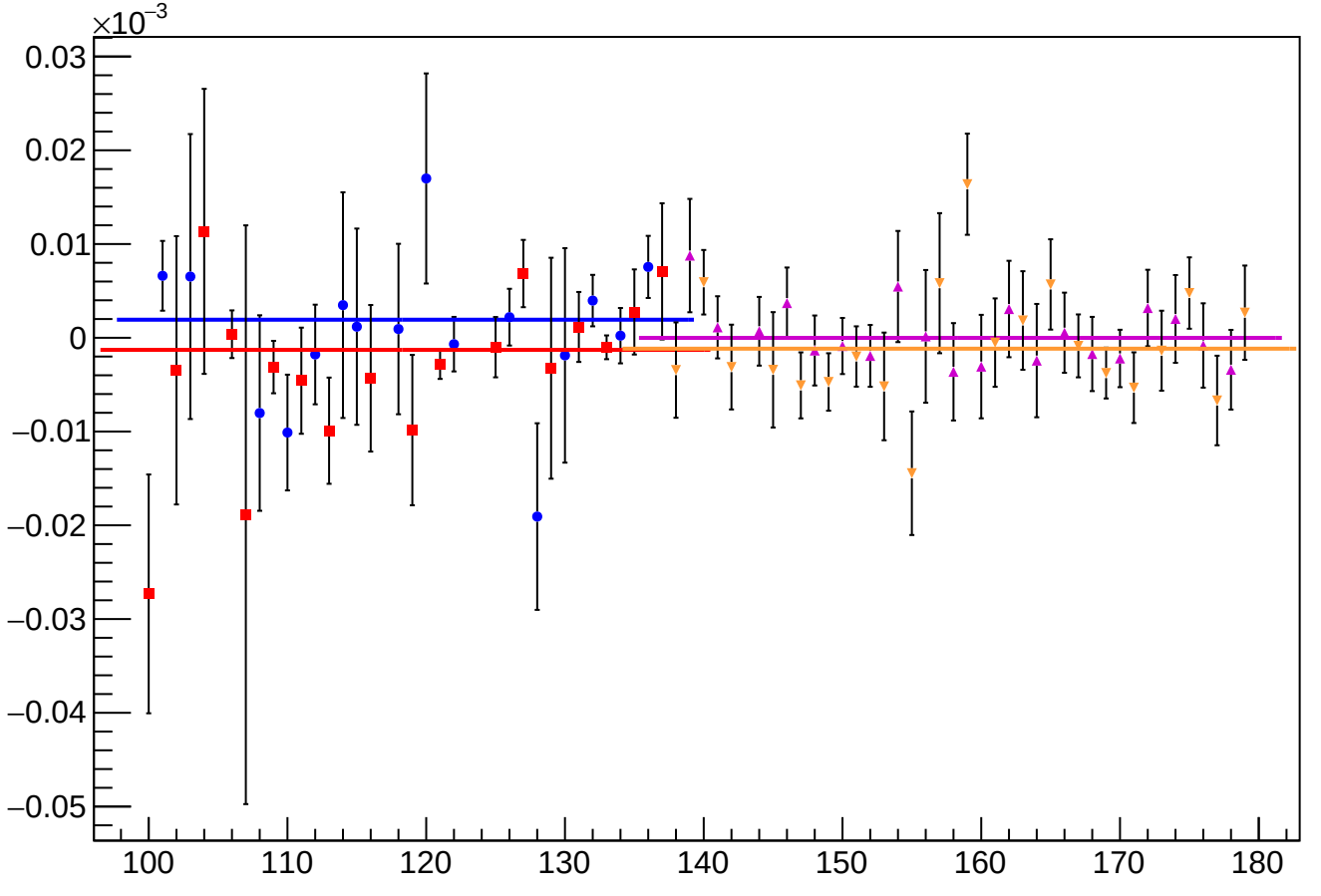
Left: 40.855+/-0.006 χ^2/NDF: 1942138.6/40

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.272+/-0.007 χ^2/NDF:1964496.5/35

Out: 40.046+/-0.007 χ^2/NDF:3320434.7/38

All: 40.160+/-0.005 χ^2/NDF: 5285525.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.1/19

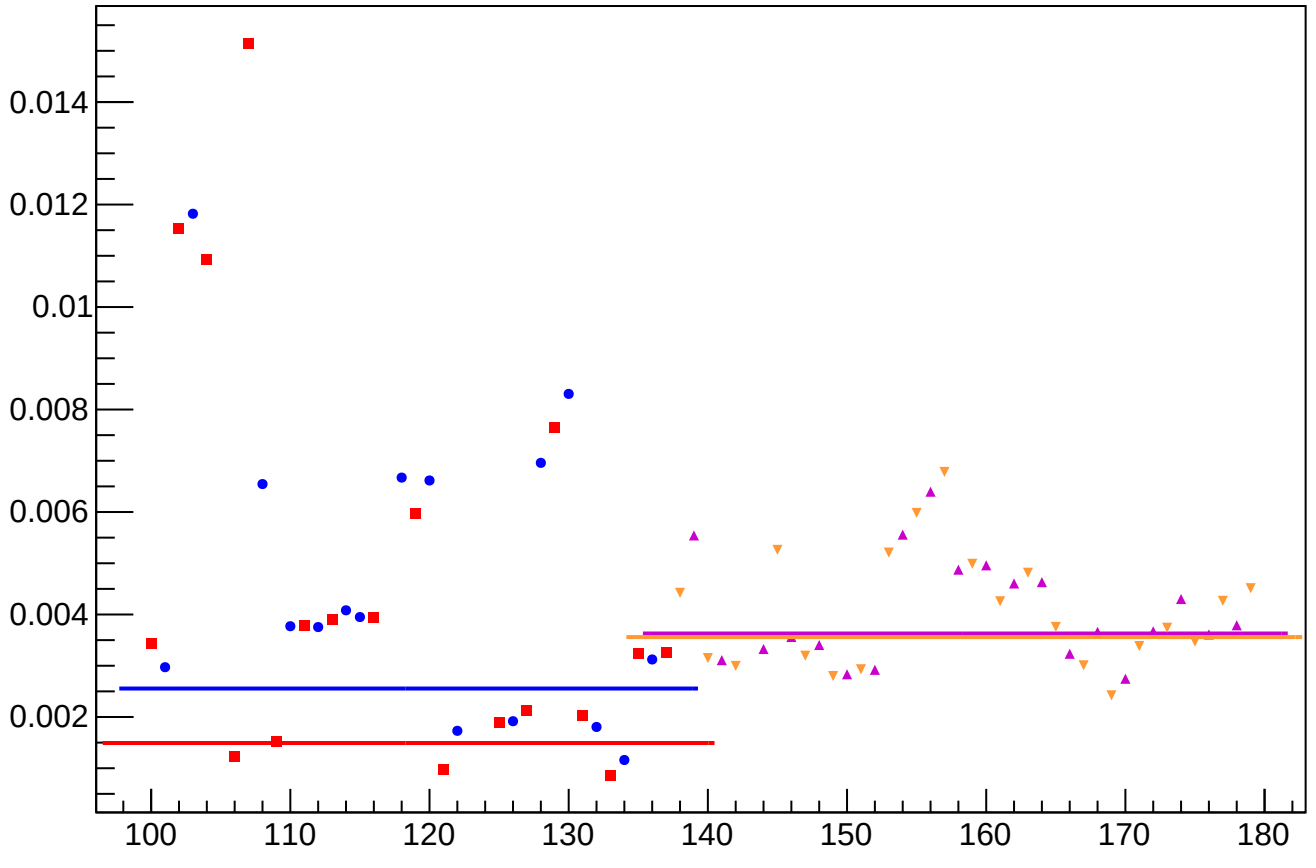
Left: -0.000+/-0.000 χ^2/NDF: 41.2/40

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:27.7/35

Out: -0.000+/-0.000 χ^2/NDF:51.2/38

All: -0.000+/-0.000 χ^2/NDF: 83.6/74



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2131090.4/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1608243.8/19

Left: 0.004+/-0.000 χ^2/NDF: 3745154.6/40

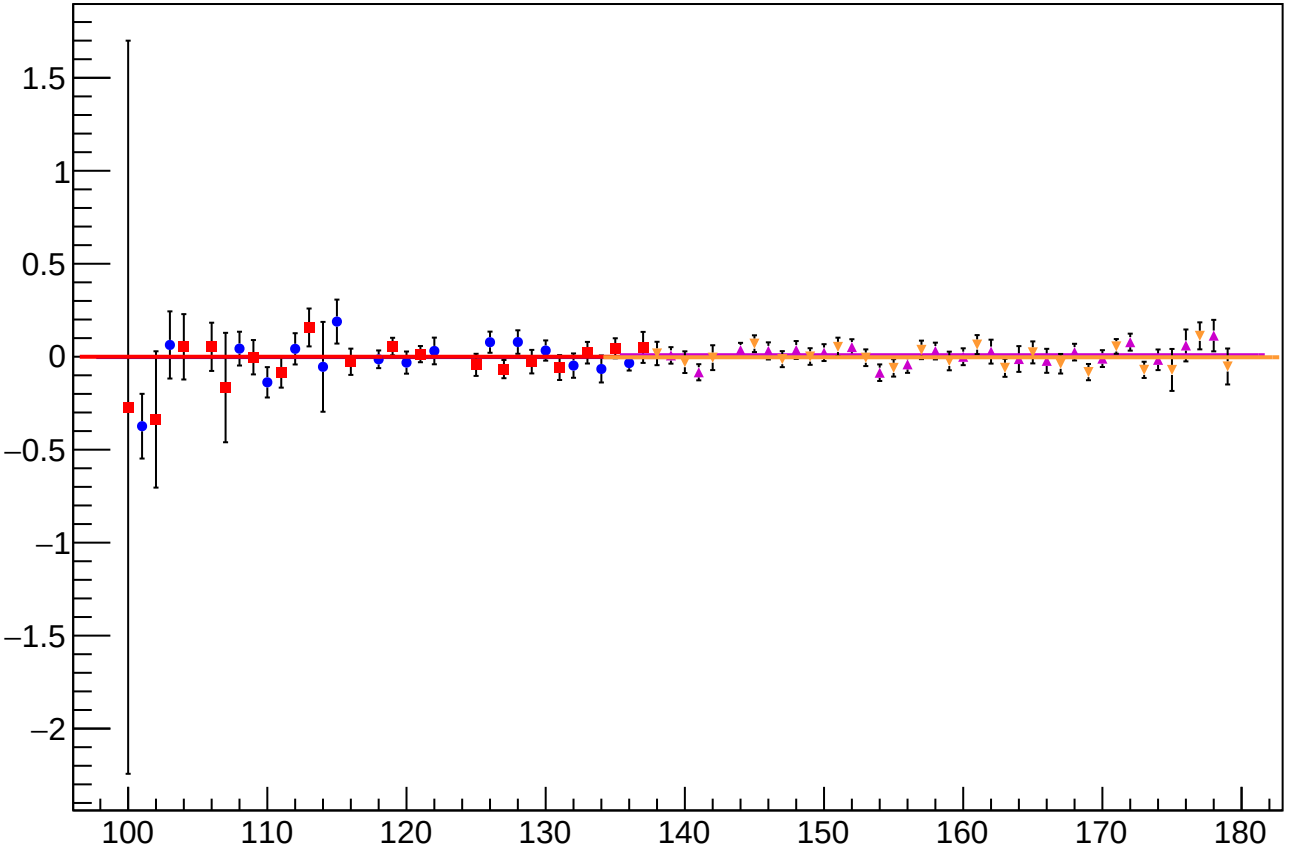
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6454440.1/35

Out: 0.002+/-0.000 χ^2/NDF:13846330.9/38

All: 0.003+/-0.000 χ^2/NDF: 22060360.9/74

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.7/40

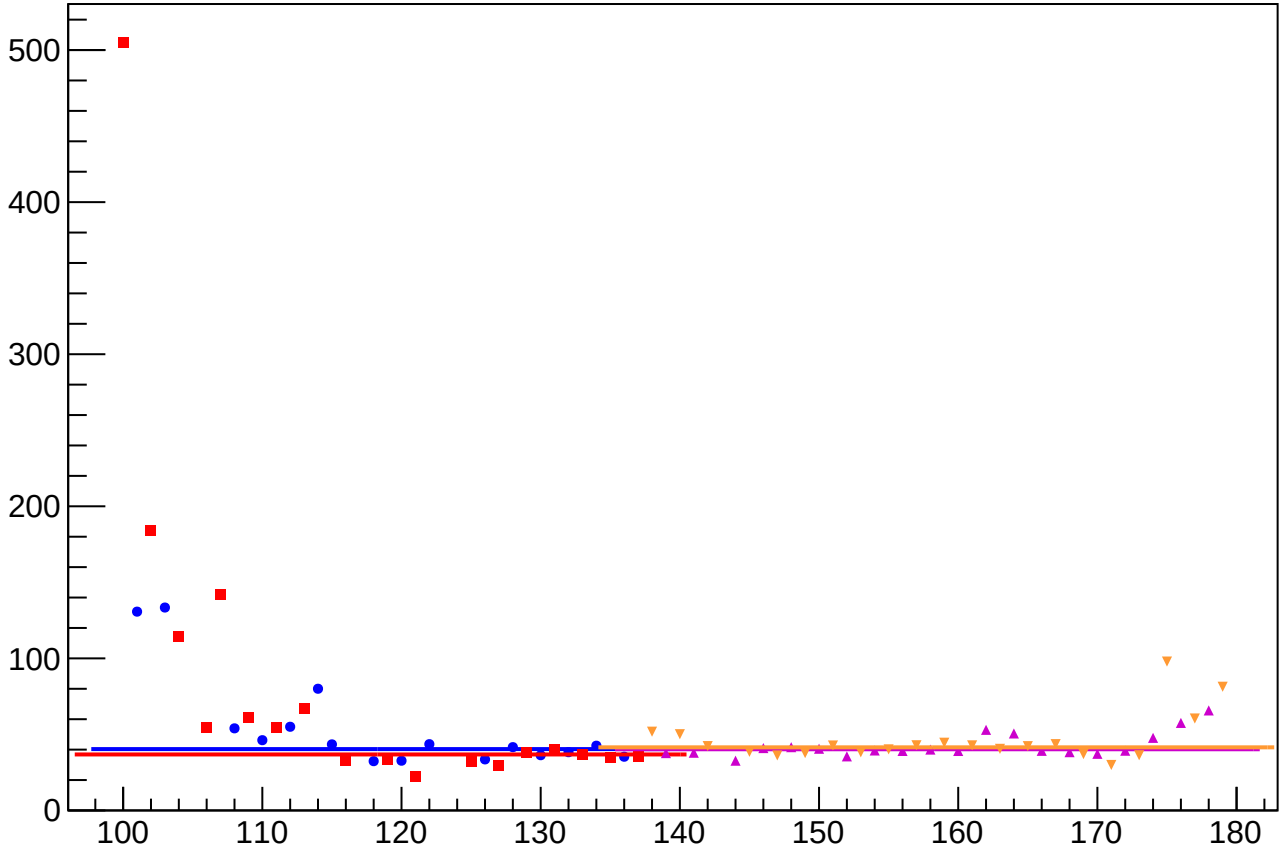
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.8/74

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.499+/-0.008 χ^2/NDF:1374899.7/20

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.239+/-0.008 χ^2/NDF:554234.6/19

Left: 40.855+/-0.006 χ^2/NDF: 1942108.9/40

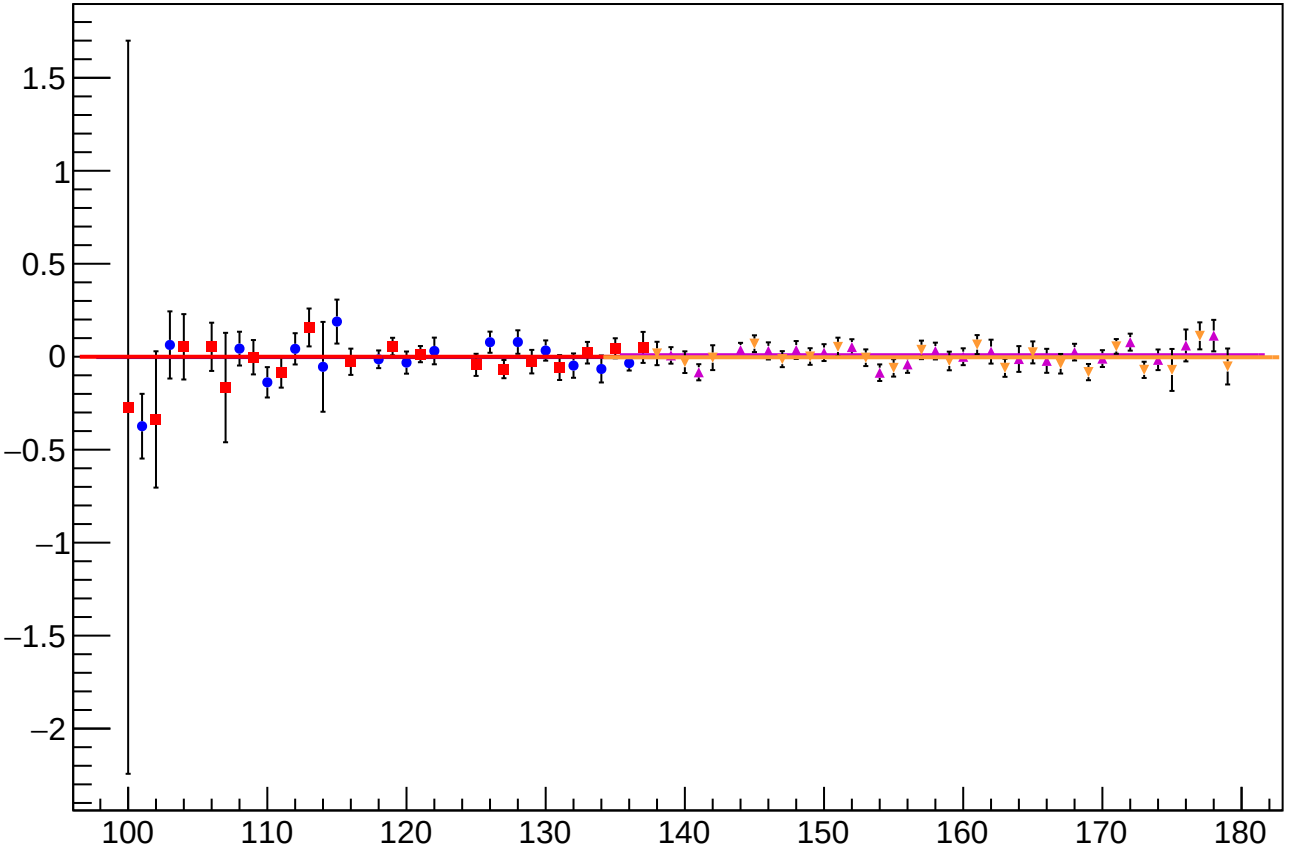
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.272+/-0.007 χ^2/NDF:1964333.7/35

Out: 40.046+/-0.007 χ^2/NDF:3320496.9/38

All: 40.160+/-0.005 χ^2/NDF: 5285427.3/74

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.003+/-0.011 χ^2/NDF:21.4/20

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.7/40

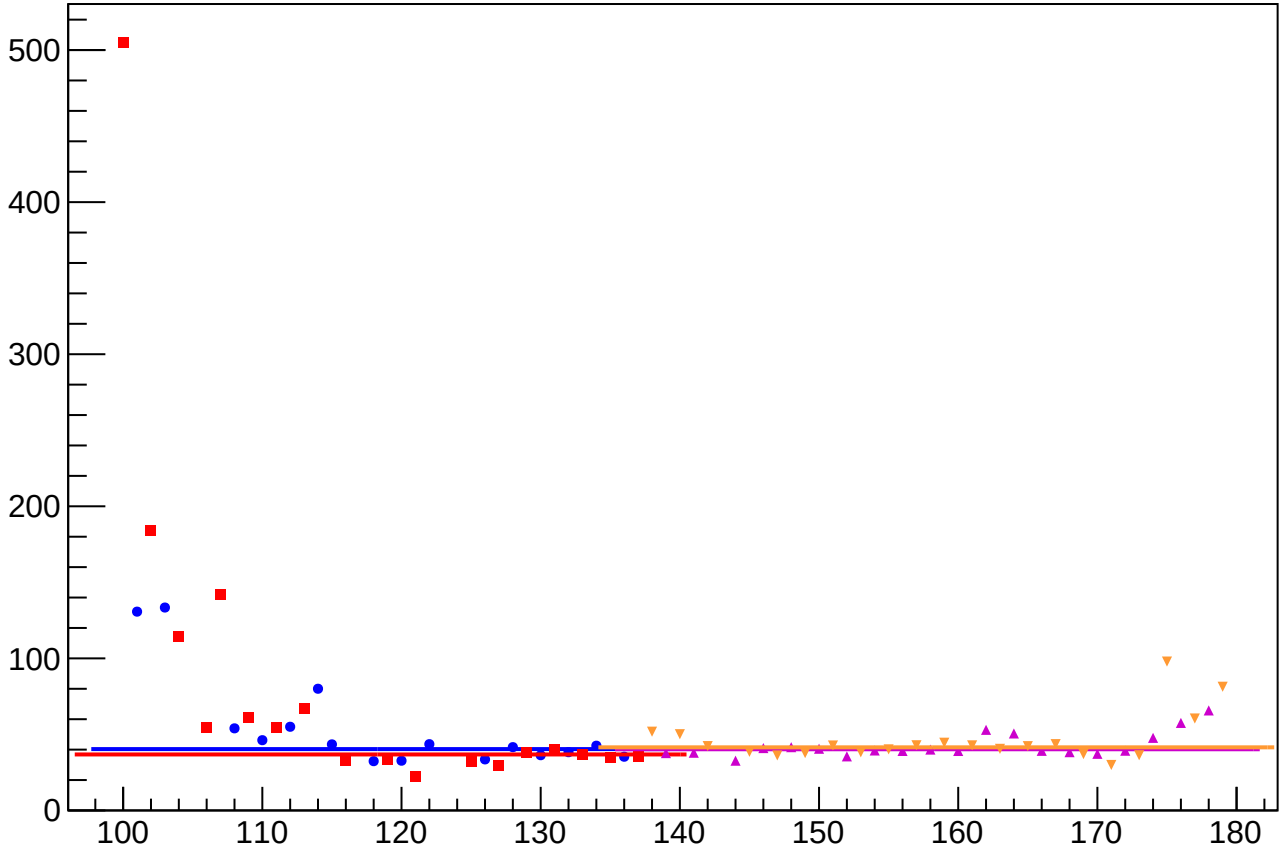
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.3/38

All: 0.002+/-0.007 χ^2/NDF: 67.8/74

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.499+/-0.008 χ^2/NDF:1374899.7/20

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 40.239+/-0.008 χ^2/NDF:554234.6/19

Left: 40.855+/-0.006 χ^2/NDF: 1942108.9/40

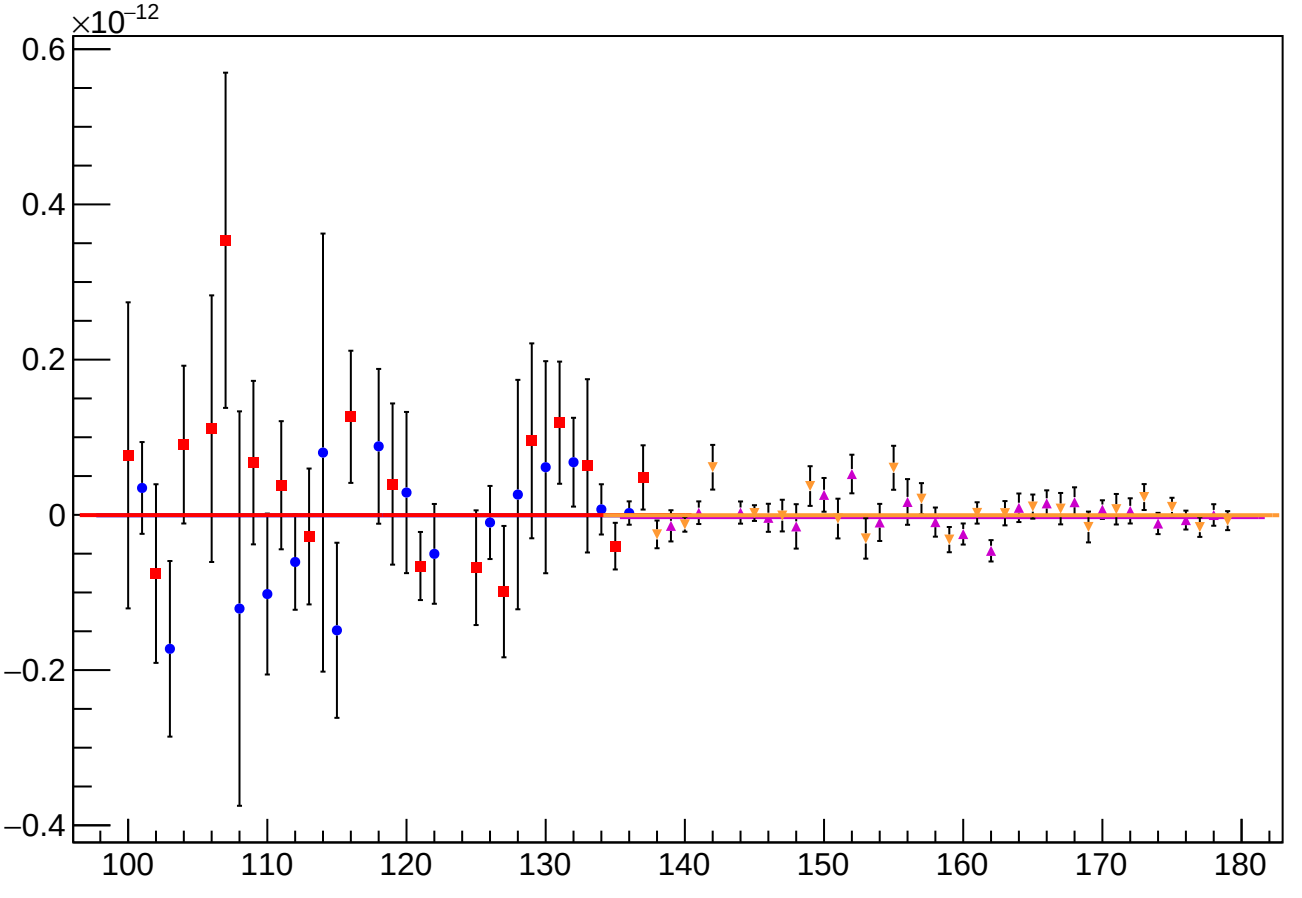
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.272+/-0.007 χ^2/NDF:1964333.7/35

Out: 40.046+/-0.007 χ^2/NDF:3320496.9/38

All: 40.160+/-0.005 χ^2/NDF: 5285427.3/74

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.7/19

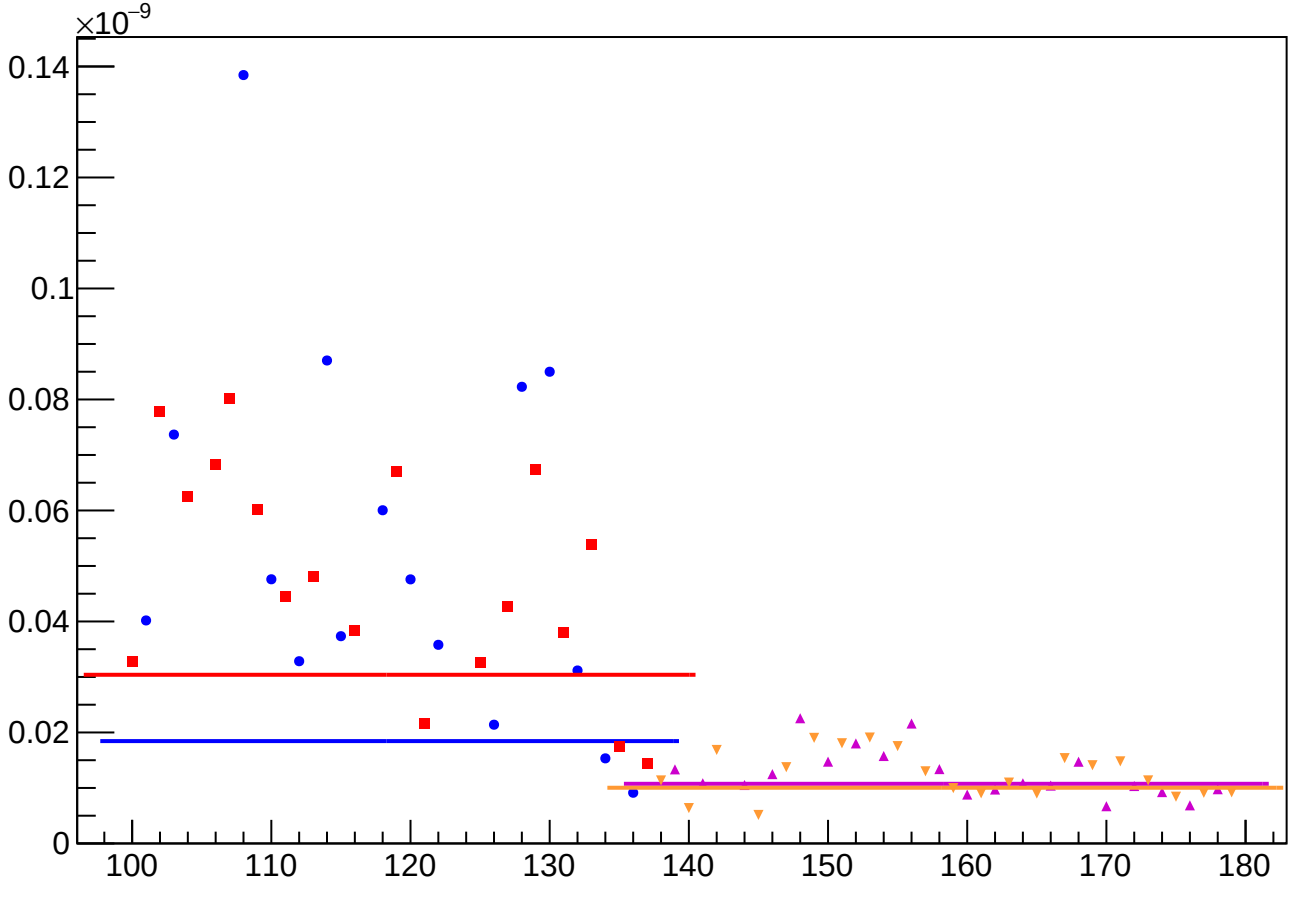
Left: -0.000+/-0.000 χ^2/NDF: 52.1/40

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:34.6/35

Out: -0.000+/-0.000 χ^2/NDF:45.6/38

All: -0.000+/-0.000 χ^2/NDF: 80.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259134.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1636152.6/19

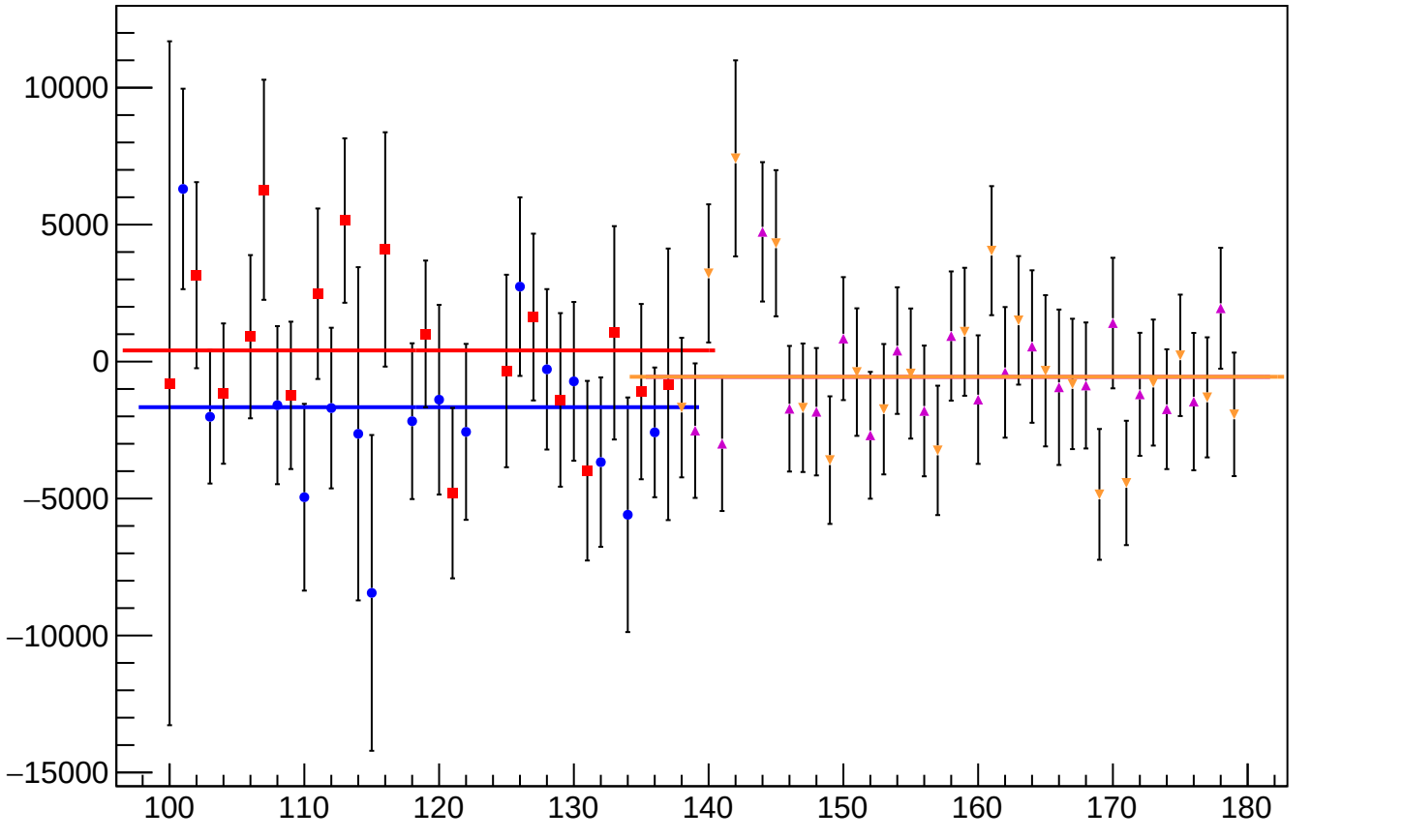
Left: 0.000+/-0.000 χ^2/NDF: 3935051.2/40

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6464107.5/35

Out: 0.000+/-0.000 χ^2/NDF:7576063.5/38

All: 0.000+/-0.000 χ^2/NDF: 14067410.4/74



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.561+/-524.635 χ^2/NDF:26.1/20

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -558.116+/-531.803 χ^2/NDF:11.4/19

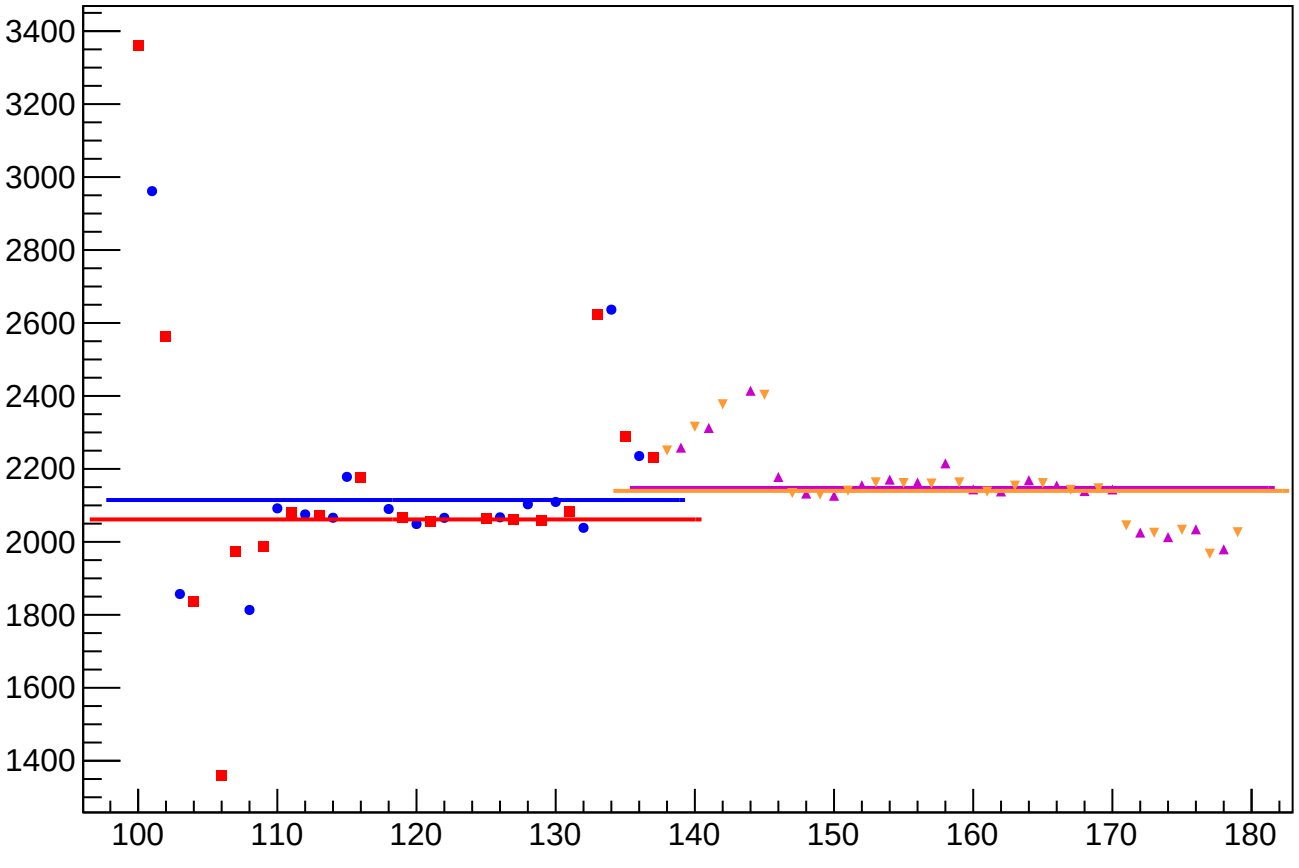
Left: -556.315+/-373.482 χ^2/NDF: 37.5/40

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -901.776+/-441.534 χ^2/NDF:23.5/35

Out: -253.589+/-434.829 χ^2/NDF:39.9/38

All: -572.723+/-309.814 χ^2/NDF: 64.5/74



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

Left: 2143.735+/-0.264 χ^2/NDF: 140374.4/40

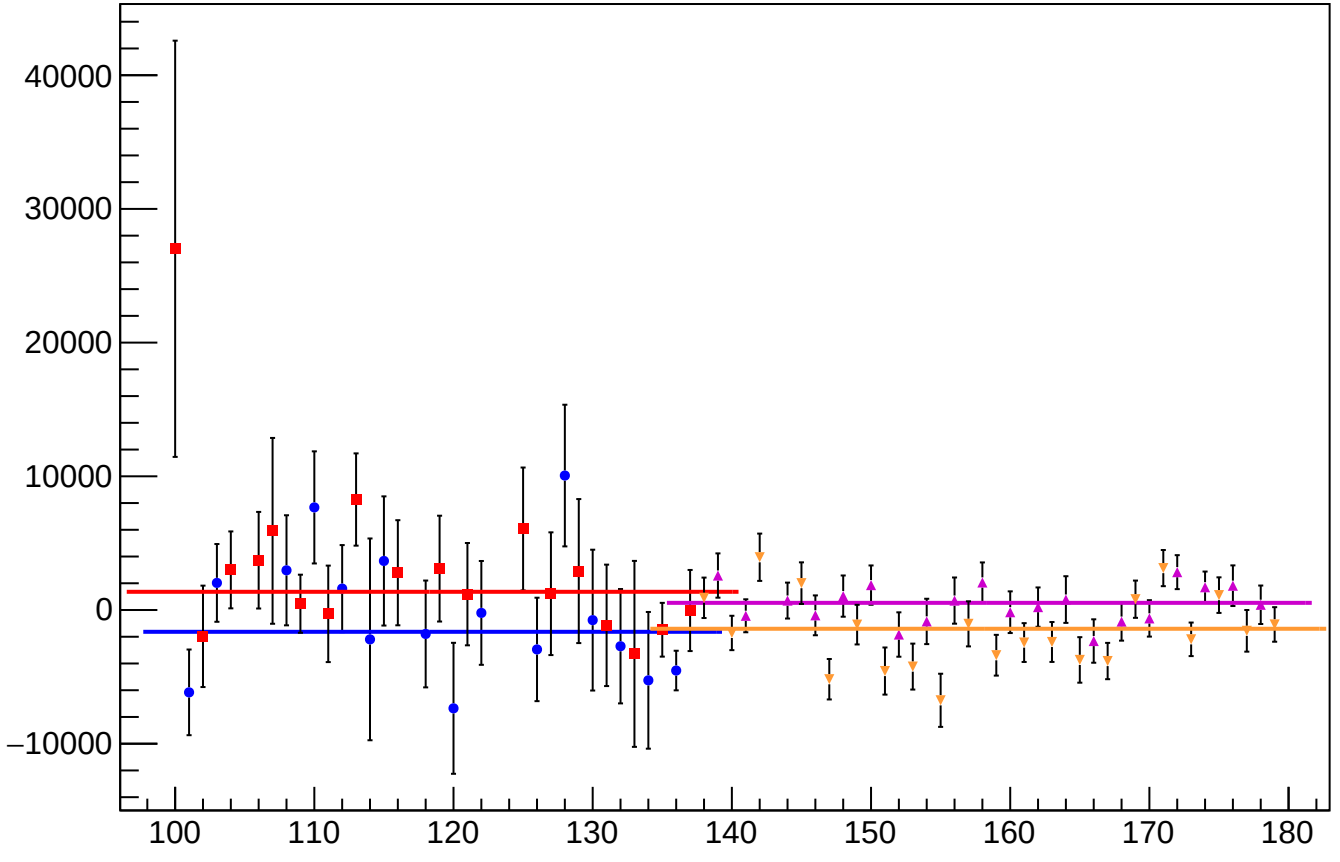
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2137.521+/-0.312 χ^2/NDF:259211.0/35

Out: 2115.305+/-0.307 χ^2/NDF:336362.5/38

All: 2126.243+/-0.219 χ^2/NDF: 598144.1/74

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1403.042+/-325.343 χ^2/NDF:61.3/20

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 535.513+/-328.260 χ^2/NDF:17.3/19

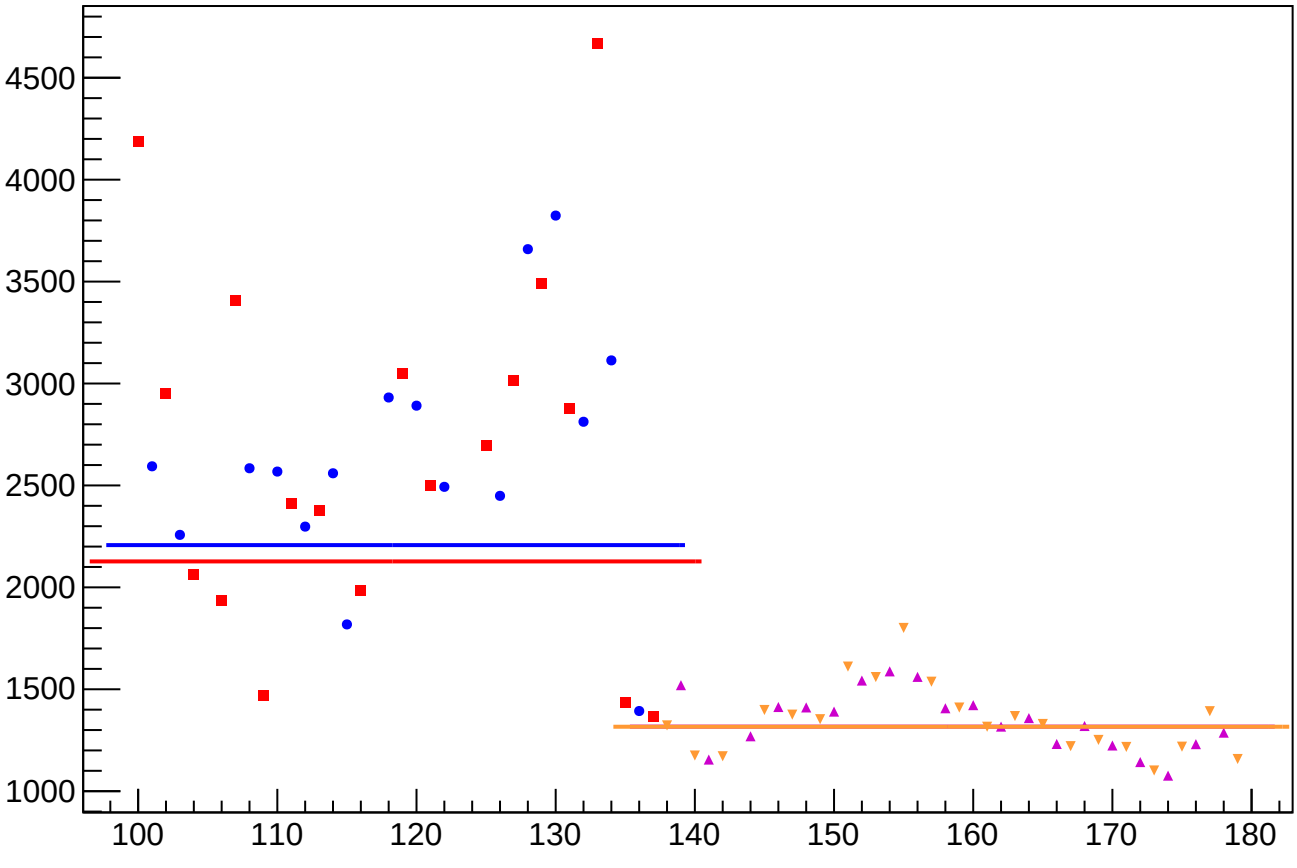
Left: -442.417+/-231.077 χ^2/NDF: 96.2/40

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 261.419+/-306.788 χ^2/NDF:45.6/35

Out: -1042.693+/-303.402 χ^2/NDF:84.2/38

All: -397.873+/-215.725 χ^2/NDF: 139.0/74



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1316.224+/-0.230 χ^2/NDF:436302.4/20

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1316.726+/-0.232 χ^2/NDF:377073.1/19

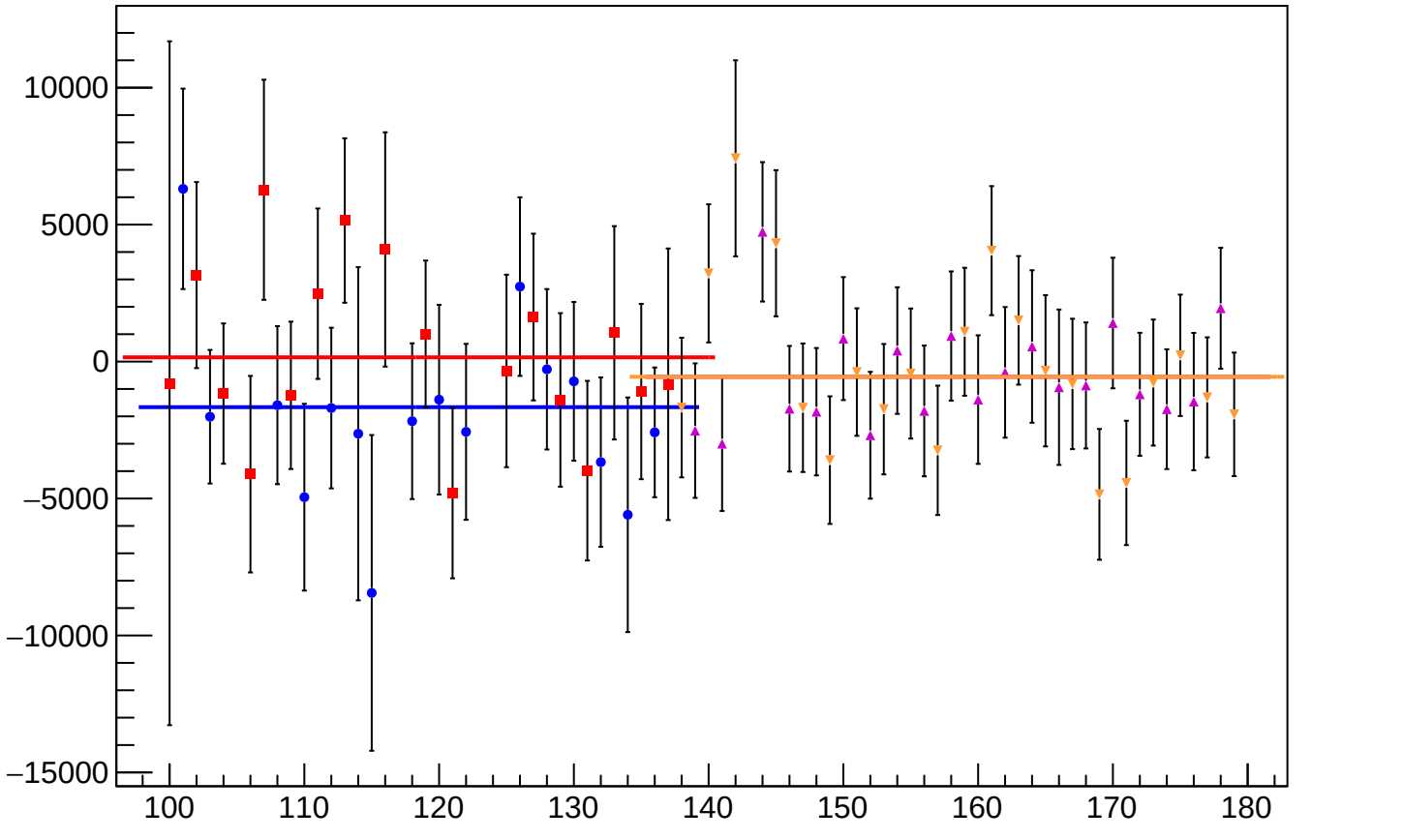
Left: 1316.473+/-0.163 χ^2/NDF: 813377.9/40

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1429.417+/-0.217 χ^2/NDF:3488991.3/35

Out: 1421.923+/-0.215 χ^2/NDF:3514052.9/38

All: 1425.628+/-0.153 χ^2/NDF: 7003647.5/74



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -558.010+/-531.803 χ^2/NDF:11.4/19

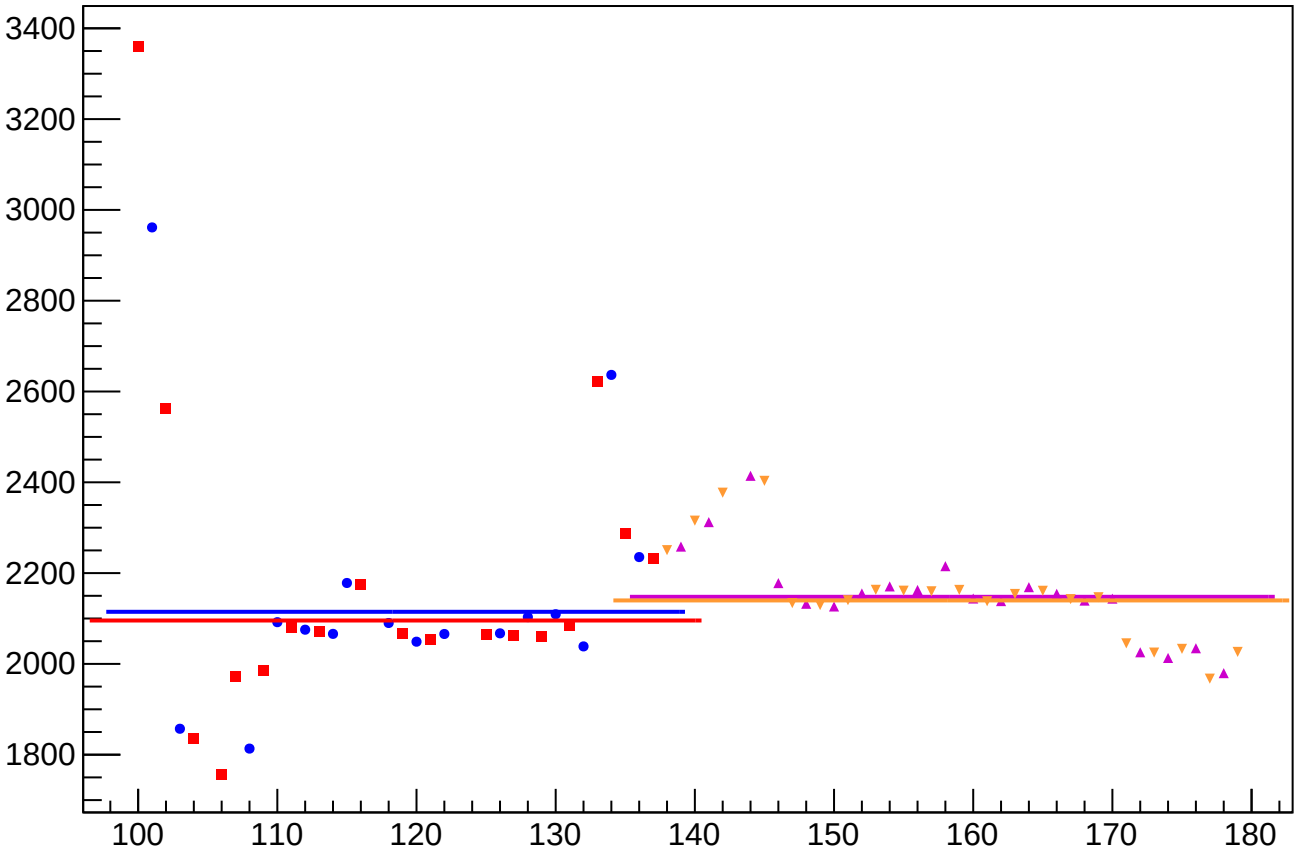
Left: -556.214+/-373.482 χ^2/NDF: 37.5/40

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -901.680+/-441.534 χ^2/NDF:23.5/35

Out: -335.363+/-436.271 χ^2/NDF:40.9/38

All: -615.126+/-310.334 χ^2/NDF: 65.2/74



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

Left: 2143.735+/-0.264 χ^2/NDF: 140374.3/40

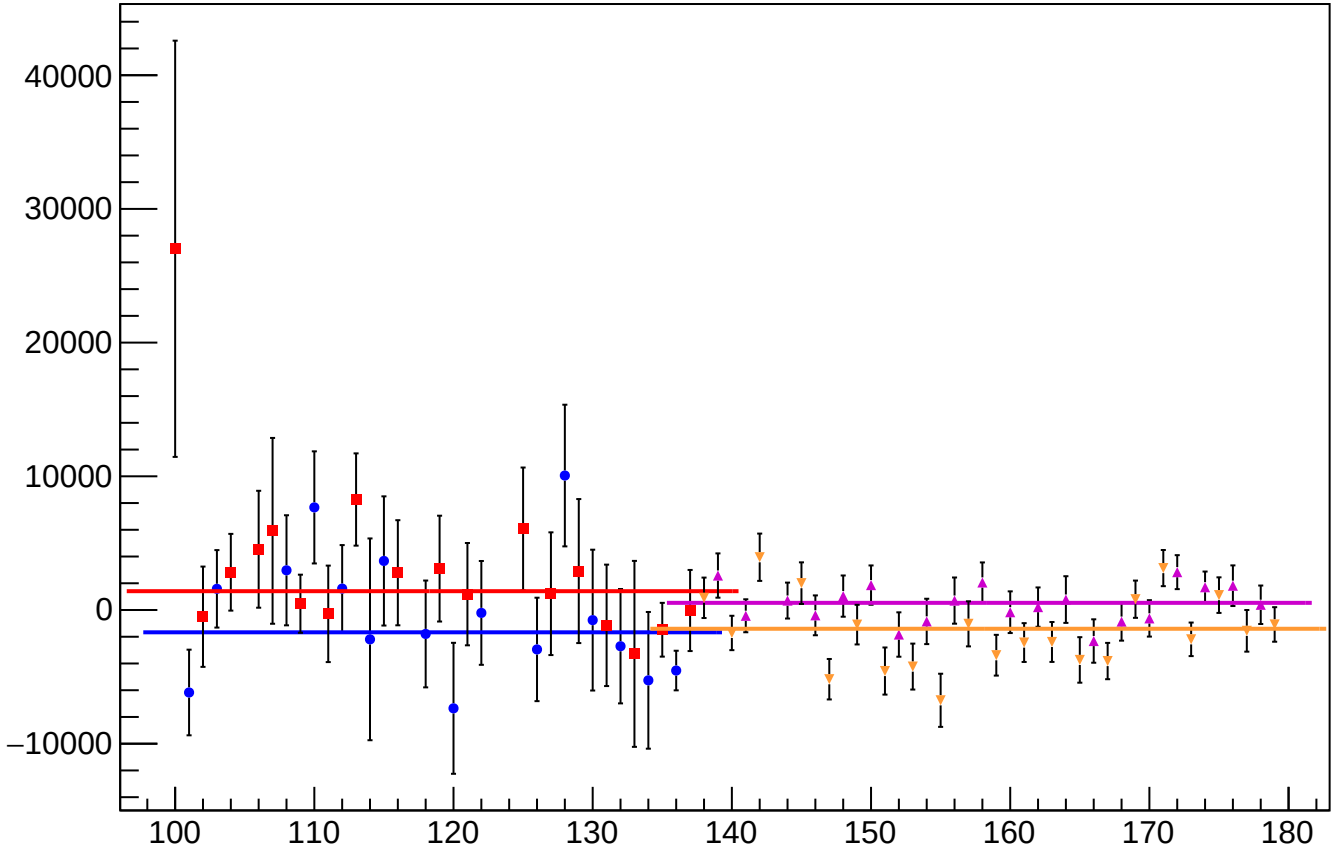
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2137.521+/-0.312 χ^2/NDF:259211.4/35

Out: 2126.162+/-0.308 χ^2/NDF:226991.7/38

All: 2131.774+/-0.219 χ^2/NDF: 486872.9/74

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1403.106+/-325.345 χ^2/NDF:61.3/20

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 535.432+/-328.261 χ^2/NDF:17.3/19

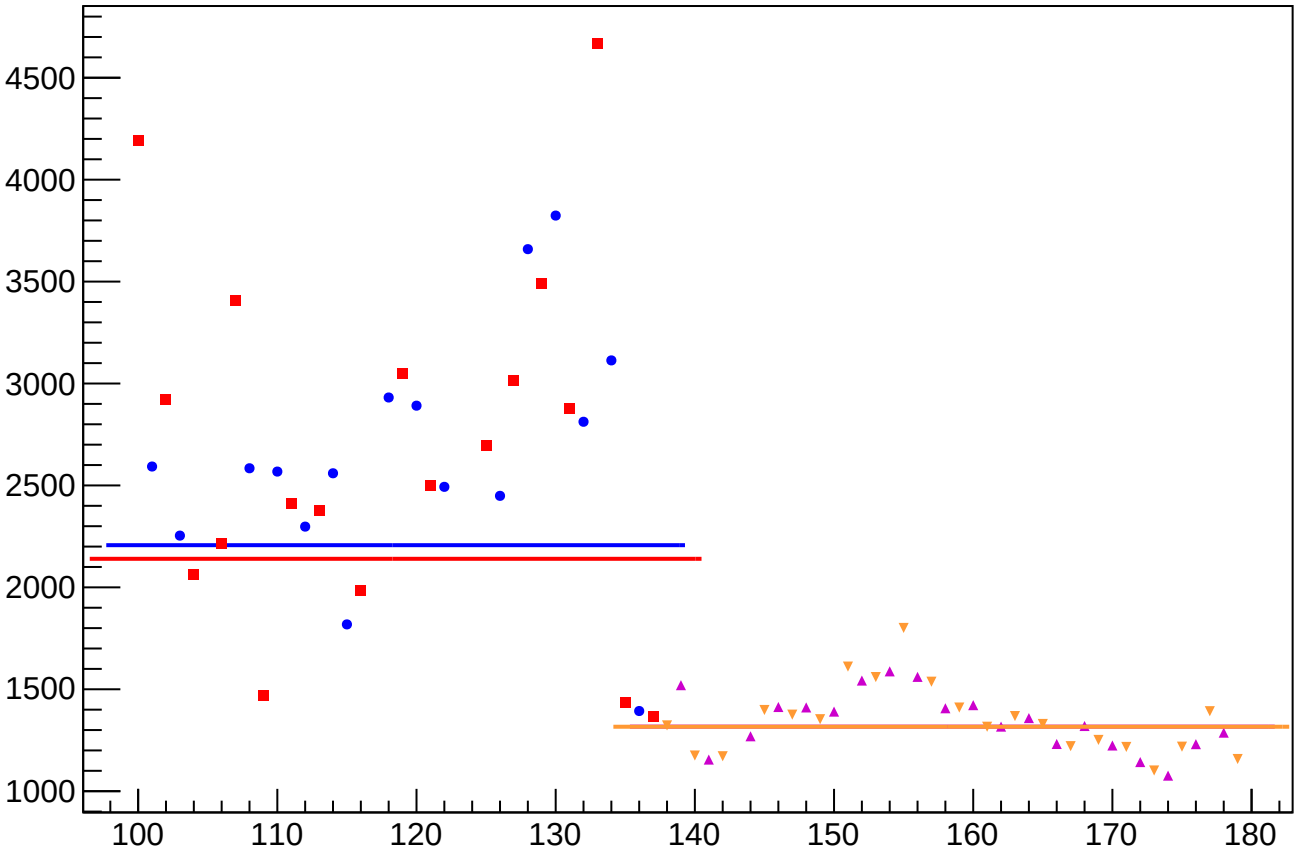
Left: -442.485+/-231.077 χ^2/NDF: 96.2/40

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 256.374+/-306.775 χ^2/NDF:45.5/35

Out: -1041.726+/-303.713 χ^2/NDF:83.9/38

All: -399.188+/-215.832 χ^2/NDF: 138.4/74



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

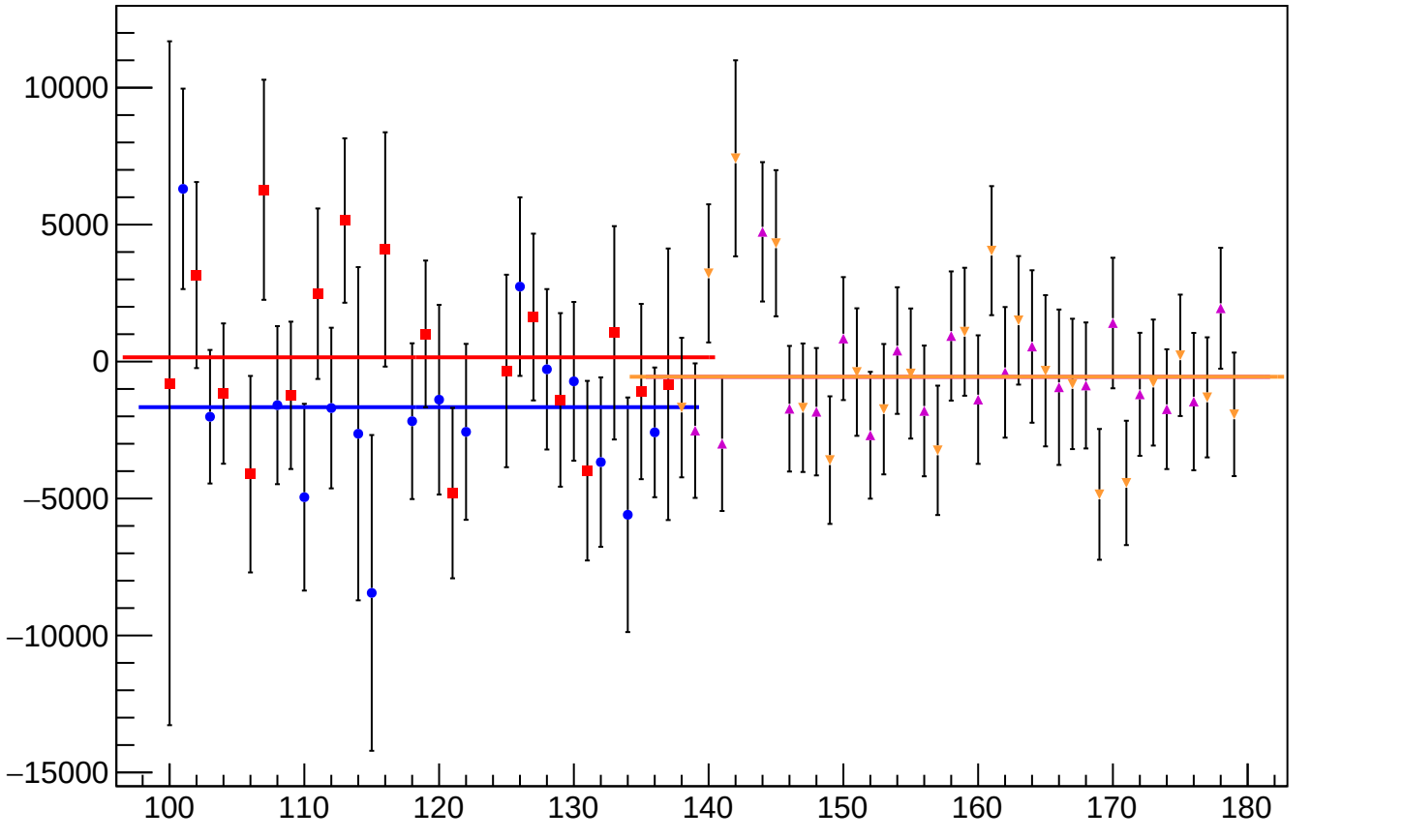
Left: 1316.477+/-0.163 χ^2/NDF: 813361.2/40

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1429.442+/-0.217 χ^2/NDF:3488463.8/35

Out: 1422.139+/-0.215 χ^2/NDF:3533193.9/38

All: 1425.754+/-0.153 χ^2/NDF: 7022230.1/74



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -554.466+/-524.635 χ^2/NDF:26.1/20

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -558.010+/-531.803 χ^2/NDF:11.4/19

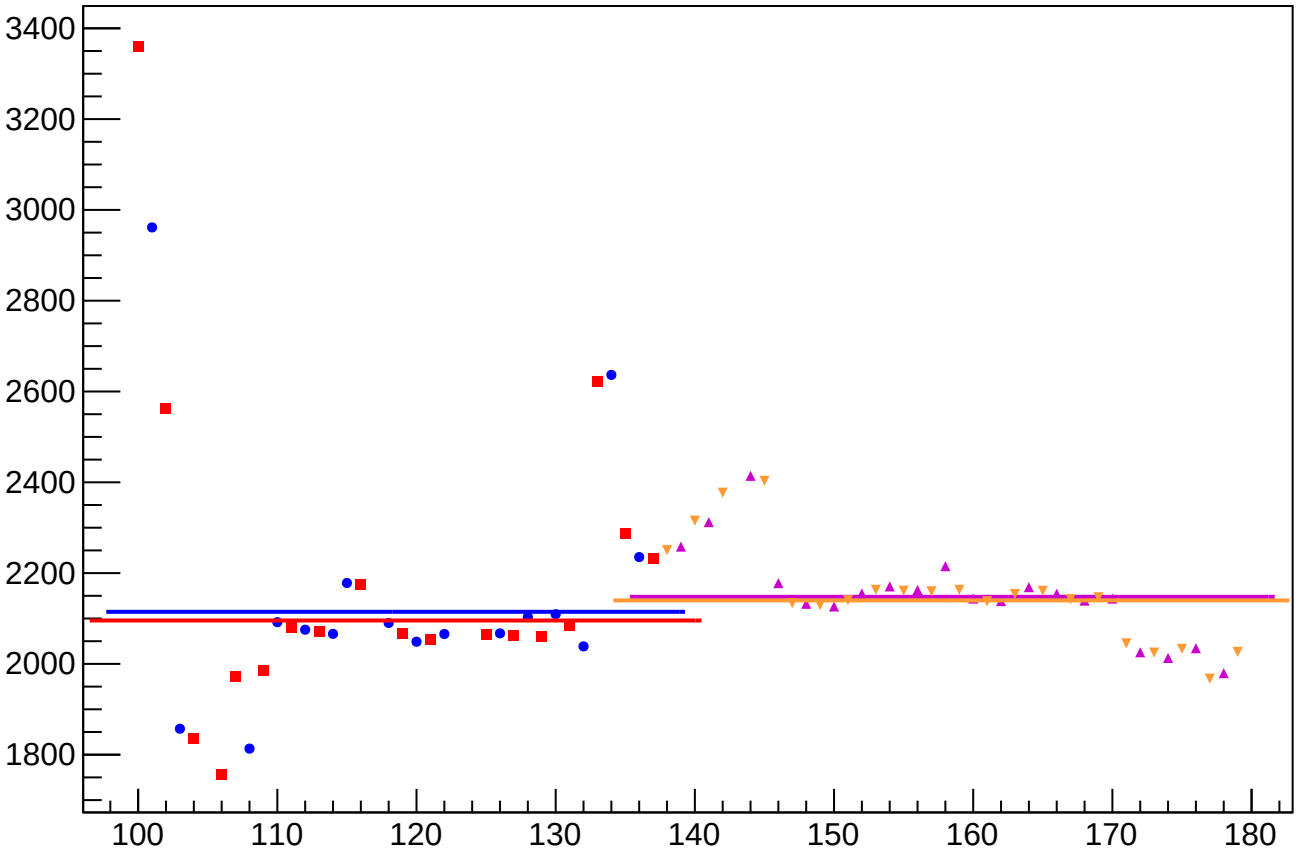
Left: -556.214+/-373.482 χ^2/NDF: 37.5/40

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -901.680+/-441.534 χ^2/NDF:23.5/35

Out: -335.363+/-436.271 χ^2/NDF:40.9/38

All: -615.126+/-310.334 χ^2/NDF: 65.2/74



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2139.798+/-0.371 χ^2/NDF:73251.8/20

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2147.782+/-0.376 χ^2/NDF:66894.1/19

Left: 2143.735+/-0.264 χ^2/NDF: 140374.3/40

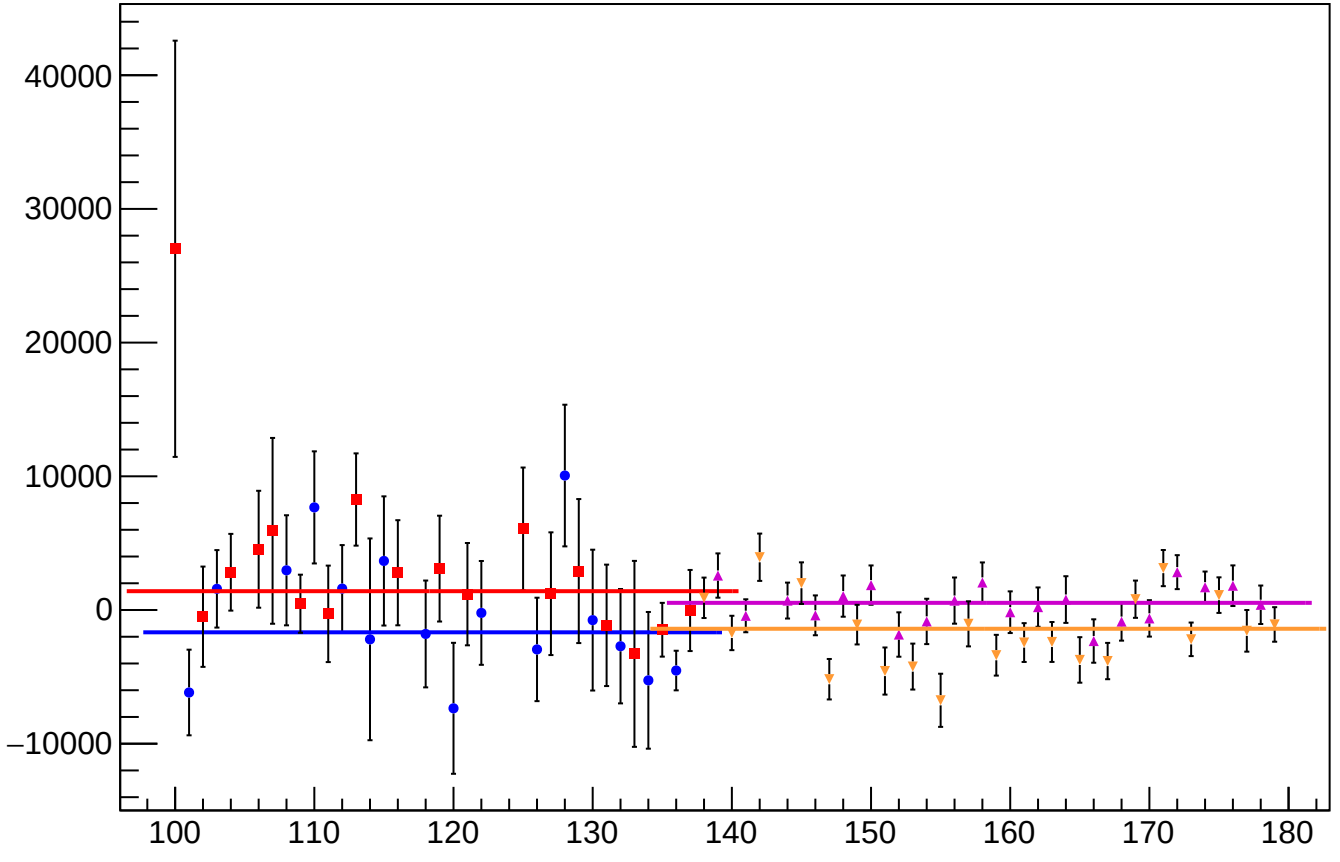
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2137.521+/-0.312 χ^2/NDF:259211.4/35

Out: 2126.162+/-0.308 χ^2/NDF:226991.7/38

All: 2131.774+/-0.219 χ^2/NDF: 486872.9/74

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1403.106+/-325.345 χ^2/NDF:61.3/20

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 535.432+/-328.261 χ^2/NDF:17.3/19

Left: -442.485+/-231.077 χ^2/NDF: 96.2/40

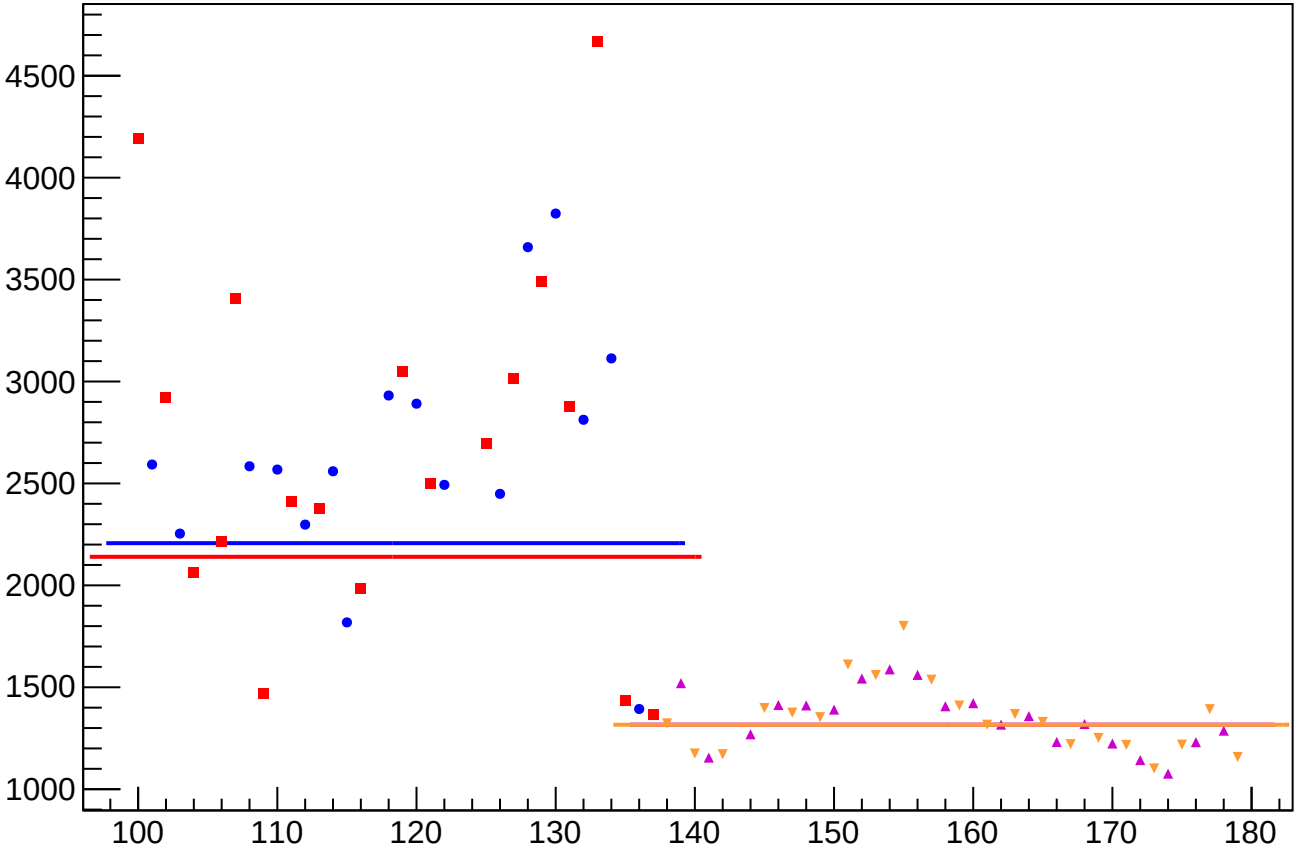
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 256.374+/-306.775 χ^2/NDF:45.5/35

Out: -1041.726+/-303.713 χ^2/NDF:83.9/38

All: -399.188+/-215.832 χ^2/NDF: 138.4/74

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1316.231+/-0.230 χ^2/NDF:436260.3/20

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

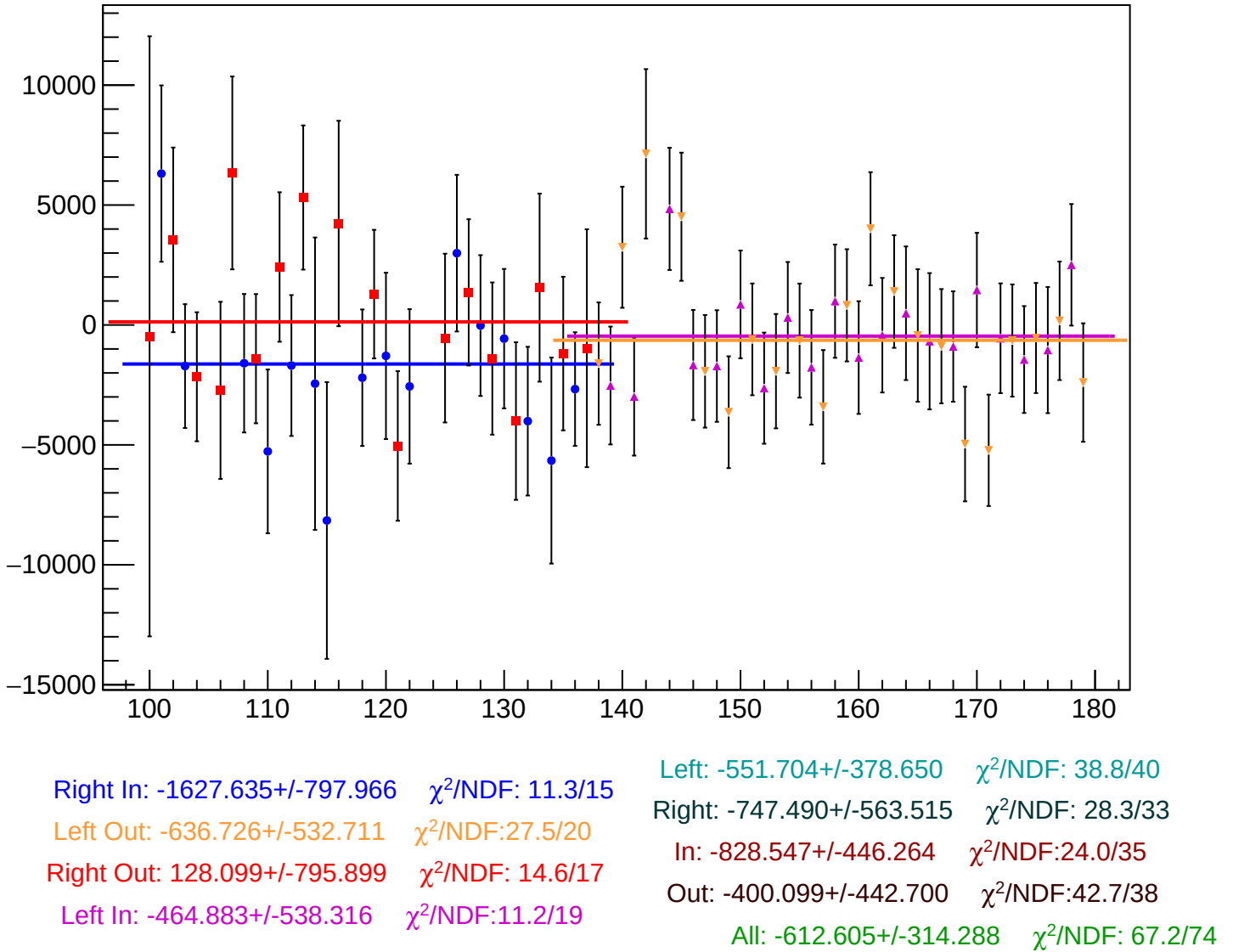
Left: 1316.477+/-0.163 χ^2/NDF: 813361.2/40

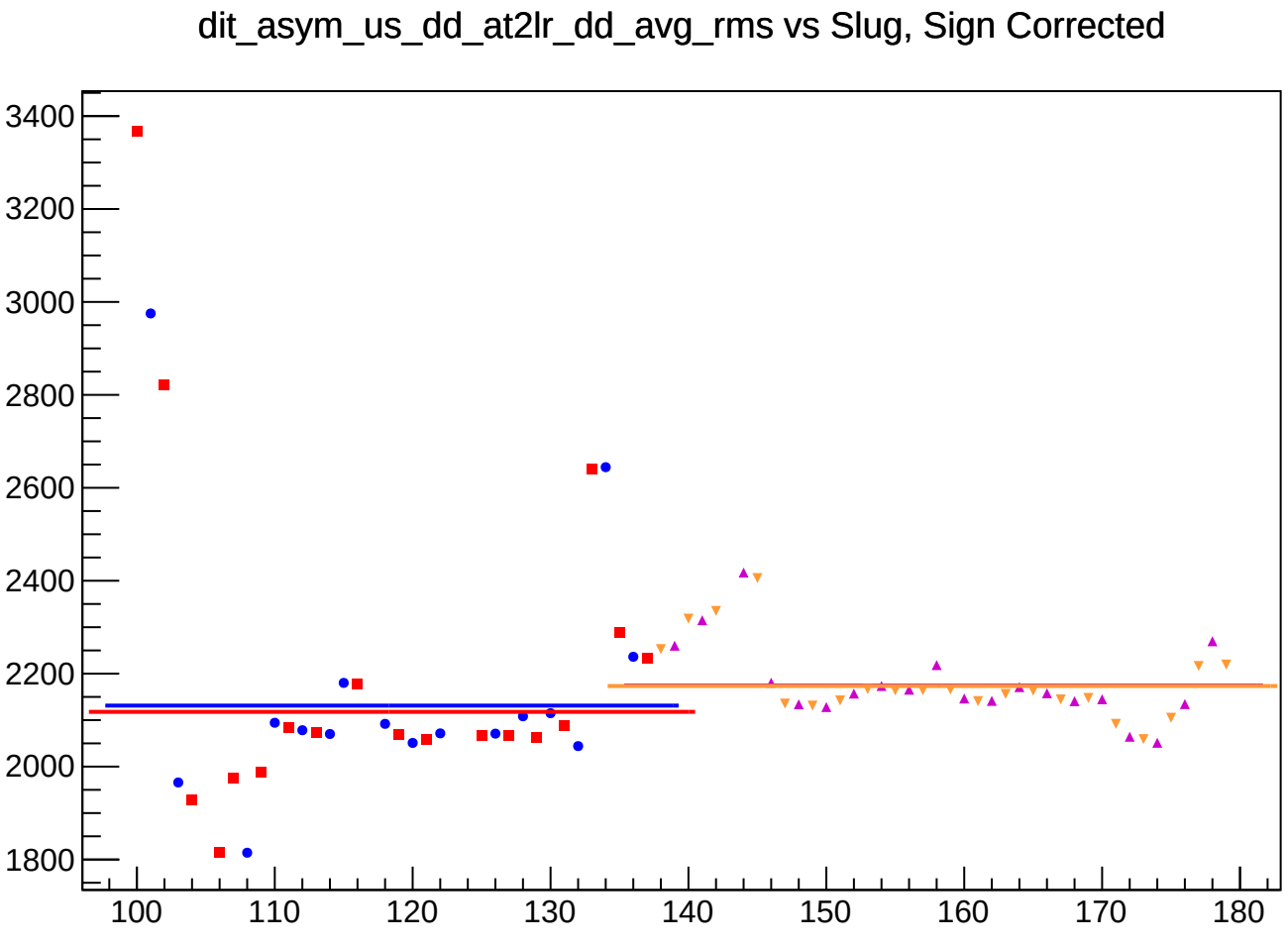
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1429.442+/-0.217 χ^2/NDF:3488463.8/35

Out: 1422.139+/-0.215 χ^2/NDF:3533193.9/38

All: 1425.754+/-0.153 χ^2/NDF: 7022230.1/74


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -636.726+/-532.711 χ²/NDF:27.5/20
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -464.883+/-538.316 χ²/NDF:11.2/19
Left: -551.704+/-378.650 χ²/NDF: 38.8/40
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -828.547+/-446.264 χ²/NDF:24.0/35
Out: -400.099+/-442.700 χ²/NDF:42.7/38
All: -612.605+/-314.288 χ²/NDF: 67.2/74



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.432+/-0.377 χ^2/NDF:40832.8/20

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2174.706+/-0.381 χ^2/NDF:44963.3/19

Left: 2174.062+/-0.268 χ^2/NDF: 85801.8/40

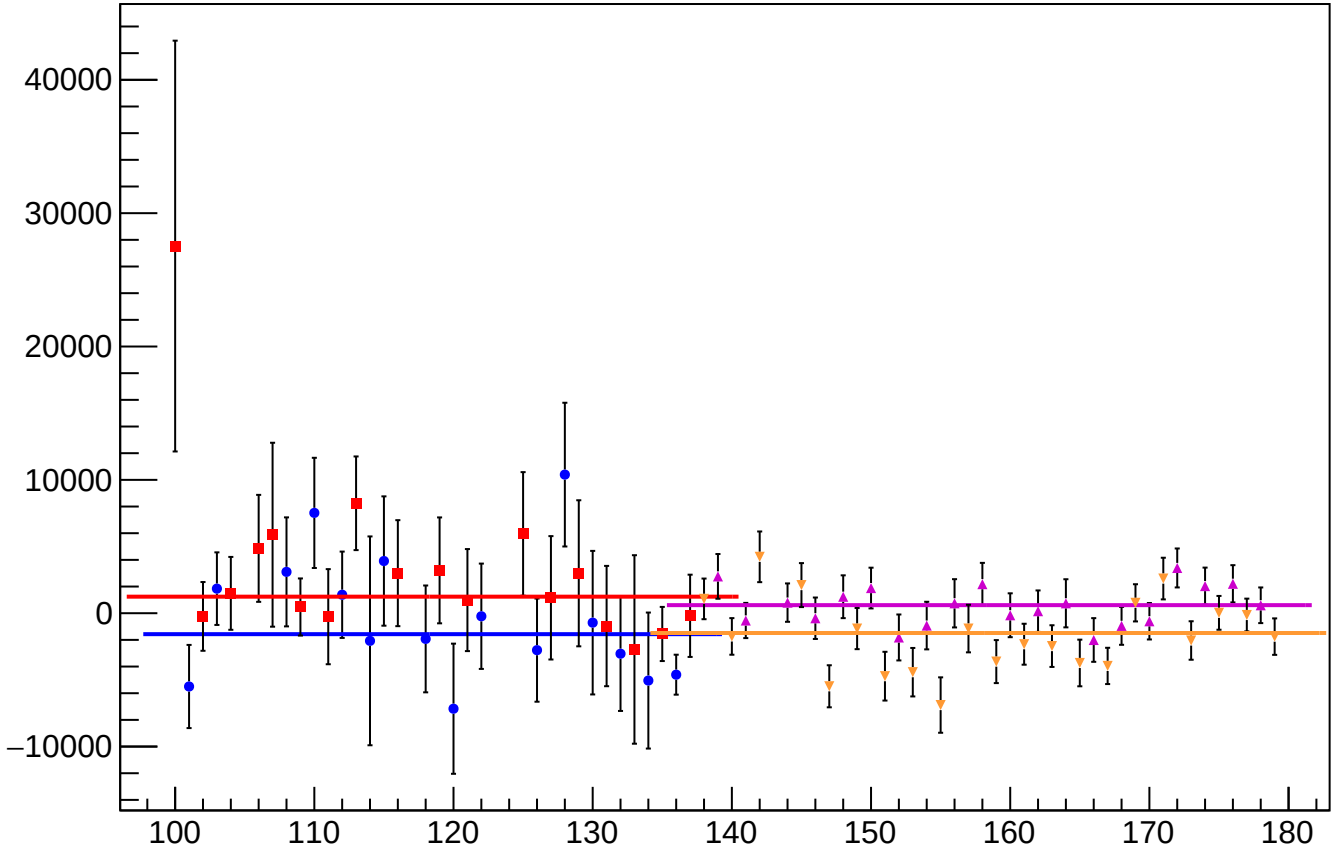
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2161.130+/-0.316 χ^2/NDF:224974.0/35

Out: 2156.241+/-0.313 χ^2/NDF:211187.5/38

All: 2158.666+/-0.222 χ^2/NDF: 436282.4/74

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1483.853+/-335.435 χ^2/NDF:55.4/20

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 605.196+/-342.025 χ^2/NDF:18.2/19

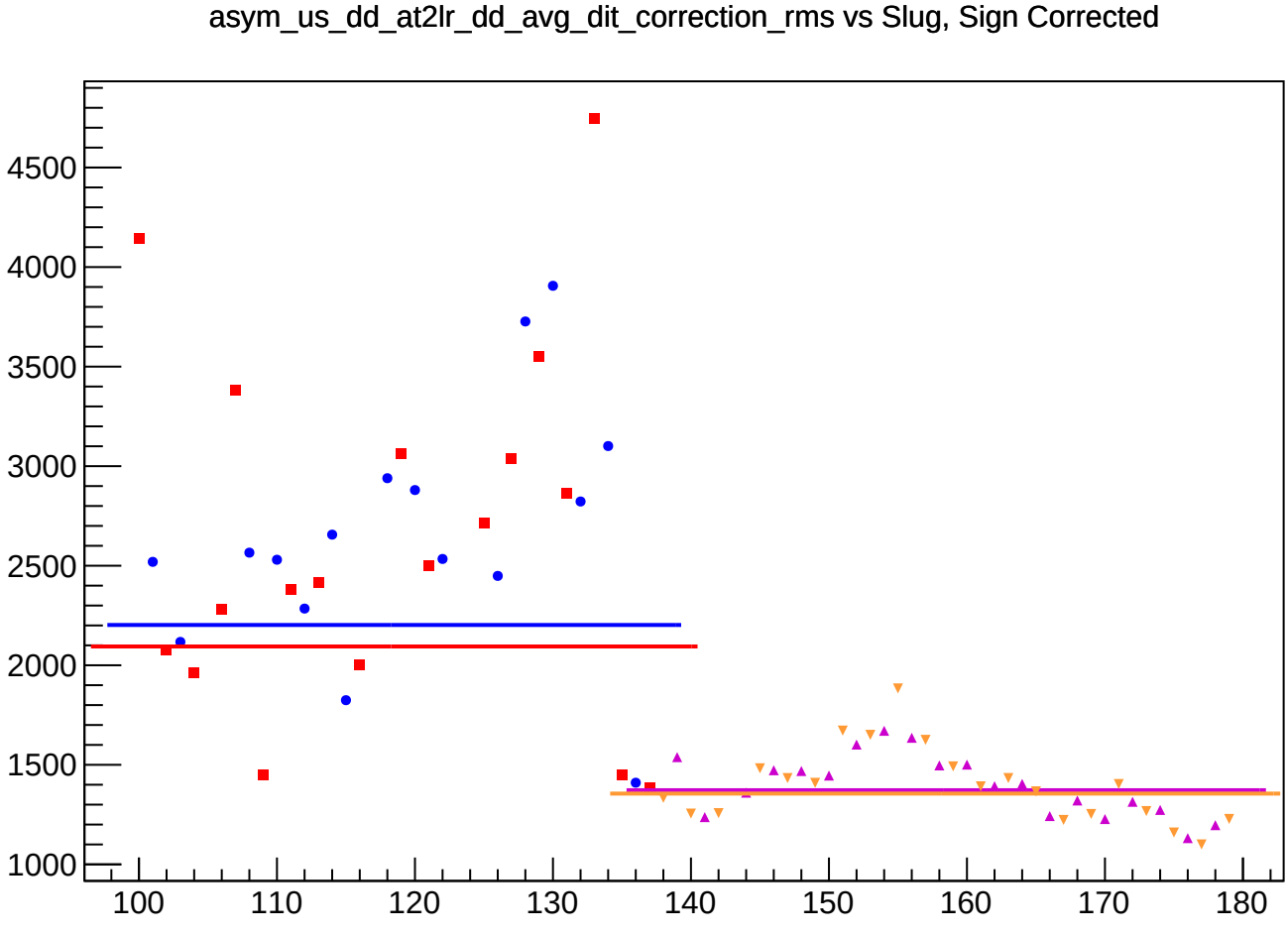
Left: -459.649+/-239.484 χ^2/NDF: 92.6/40

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 307.841+/-317.801 χ^2/NDF:46.4/35

Out: -1093.065+/-310.451 χ^2/NDF:77.9/38

All: -408.999+/-222.075 χ^2/NDF: 134.2/74



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1355.473+/-0.237 χ^2/NDF:534369.5/20

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1372.511+/-0.242 χ^2/NDF:365041.1/19

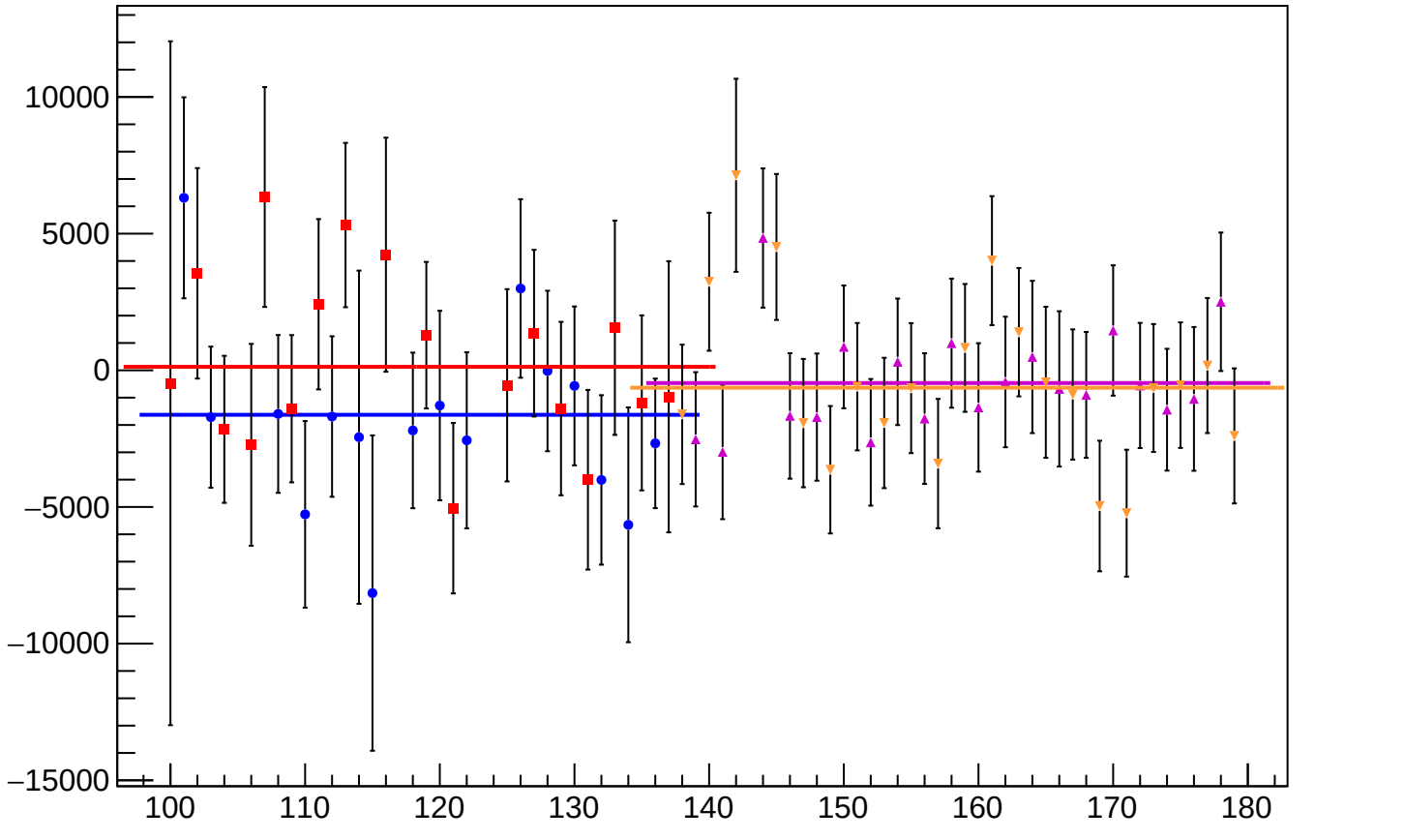
Left: 1363.826+/-0.169 χ^2/NDF: 901940.2/40

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1485.900+/-0.225 χ^2/NDF:3196776.6/35

Out: 1461.454+/-0.220 χ^2/NDF:3300132.3/38

All: 1473.391+/-0.157 χ^2/NDF: 6502964.5/74



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -636.723+/-532.711 χ^2/NDF:27.5/20

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -464.884+/-538.316 χ^2/NDF:11.2/19

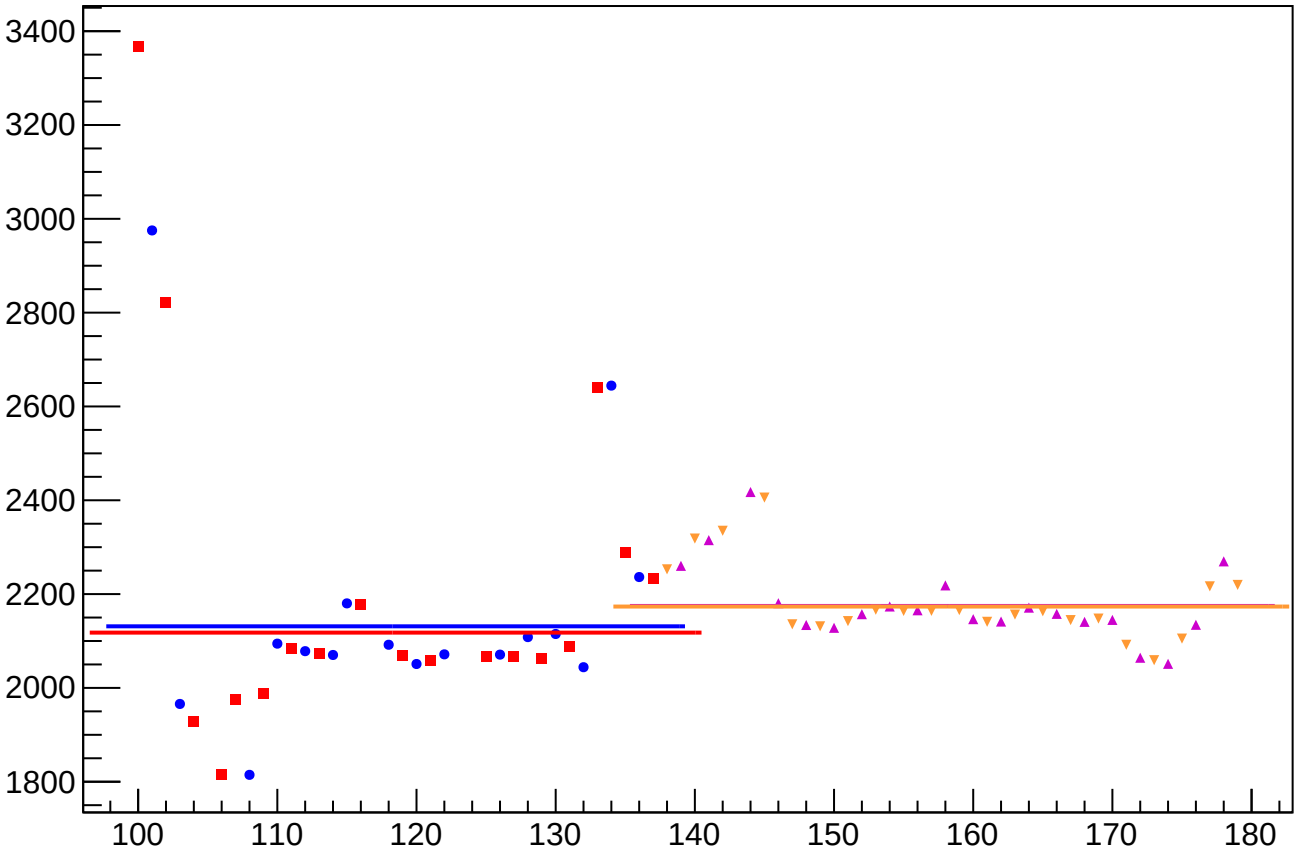
Left: -551.703+/-378.650 χ^2/NDF: 38.8/40

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -828.548+/-446.263 χ^2/NDF:24.0/35

Out: -400.099+/-442.699 χ^2/NDF:42.7/38

All: -612.606+/-314.288 χ^2/NDF: 67.2/74



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2173.431+/-0.377 χ^2/NDF:40832.9/20

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2174.706+/-0.381 χ^2/NDF:44963.2/19

Left: 2174.062+/-0.268 χ^2/NDF: 85801.8/40

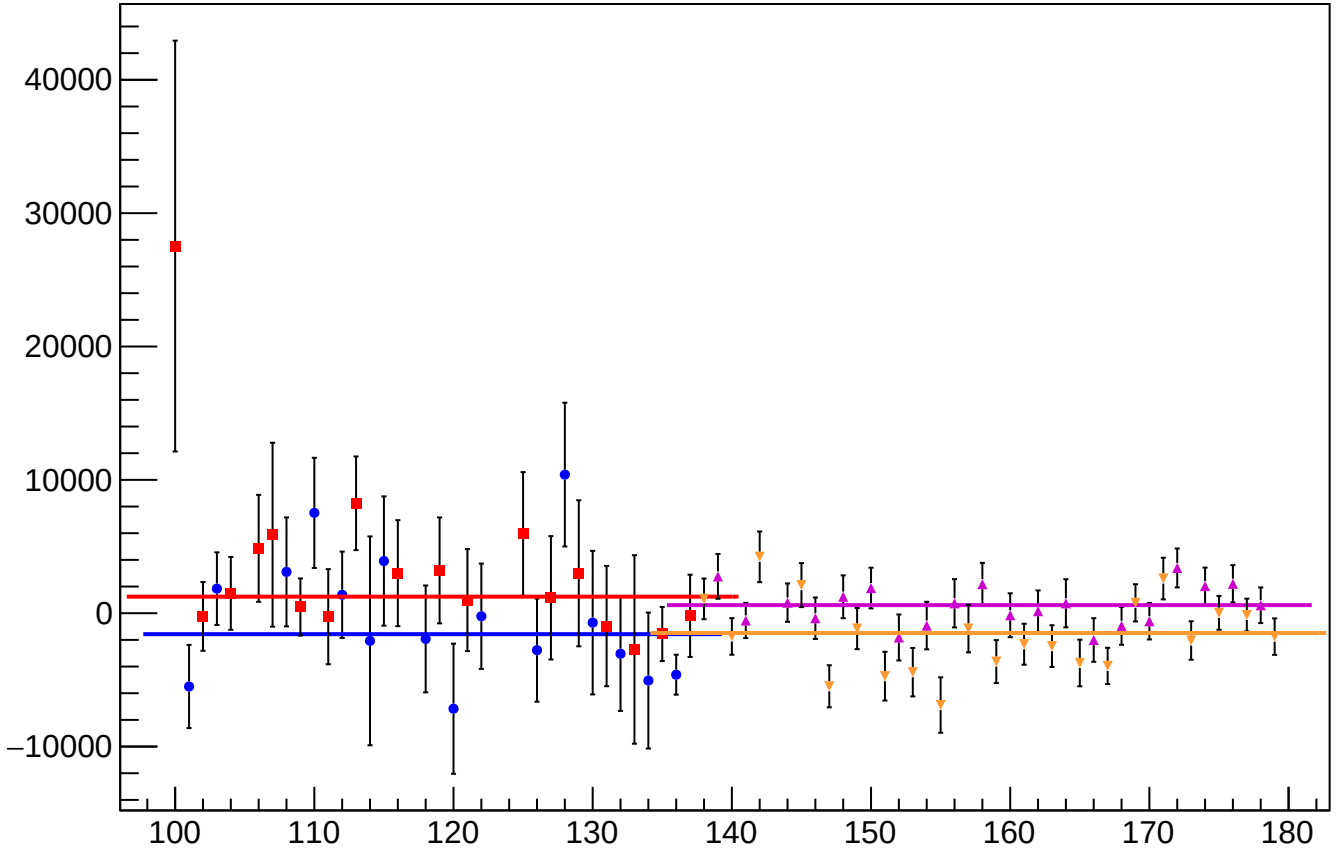
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2161.130+/-0.316 χ^2/NDF:224973.8/35

Out: 2156.240+/-0.313 χ^2/NDF:211187.4/38

All: 2158.665+/-0.222 χ^2/NDF: 436282.2/74

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1483.856+/-335.435 χ^2/NDF:55.4/20

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 605.192+/-342.025 χ^2/NDF:18.2/19

Left: -459.651+/-239.484 χ^2/NDF: 92.6/40

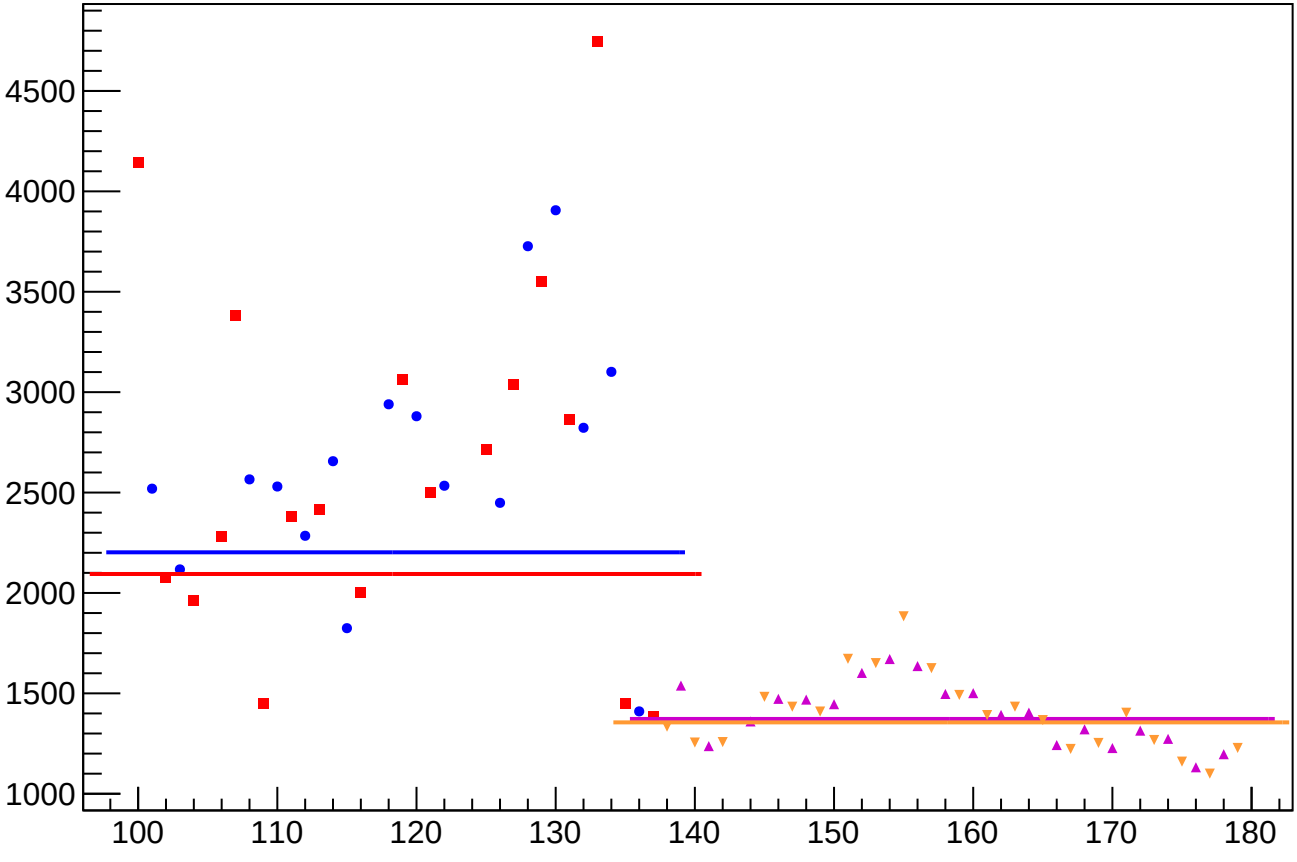
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 307.842+/-317.801 χ^2/NDF:46.4/35

Out: -1093.068+/-310.451 χ^2/NDF:77.9/38

All: -408.999+/-222.075 χ^2/NDF: 134.2/74

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1355.473+/-0.237 χ^2/NDF:534367.6/20

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1372.509+/-0.242 χ^2/NDF:365048.4/19

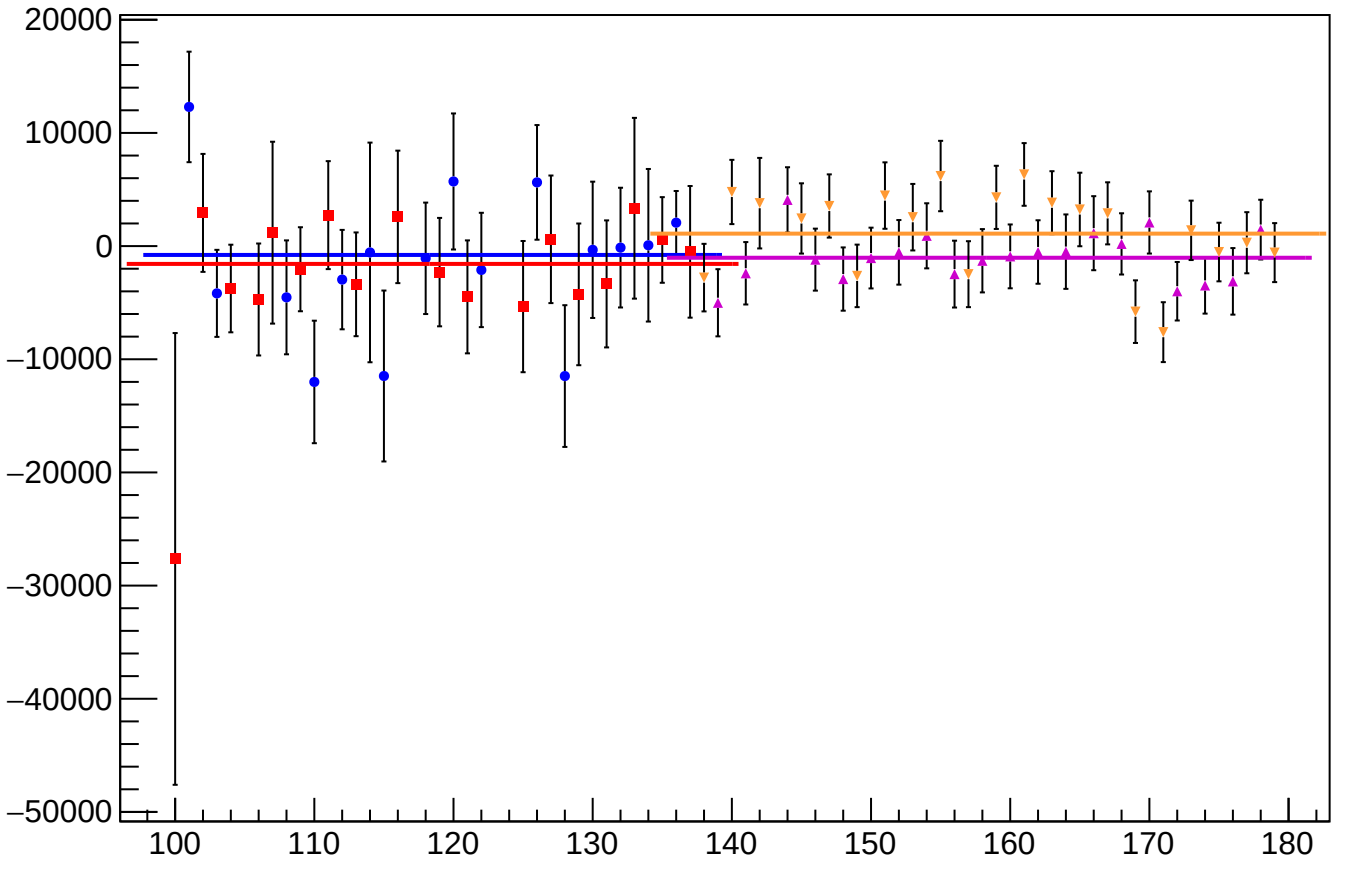
Left: 1363.826+/-0.169 χ^2/NDF: 901945.3/40

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1485.900+/-0.225 χ^2/NDF:3196767.6/35

Out: 1461.455+/-0.220 χ^2/NDF:3300120.5/38

All: 1473.391+/-0.157 χ^2/NDF: 6502943.1/74



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1101.220+/-622.284 χ^2/NDF:37.0/20

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1030.891+/-628.742 χ^2/NDF:12.0/19

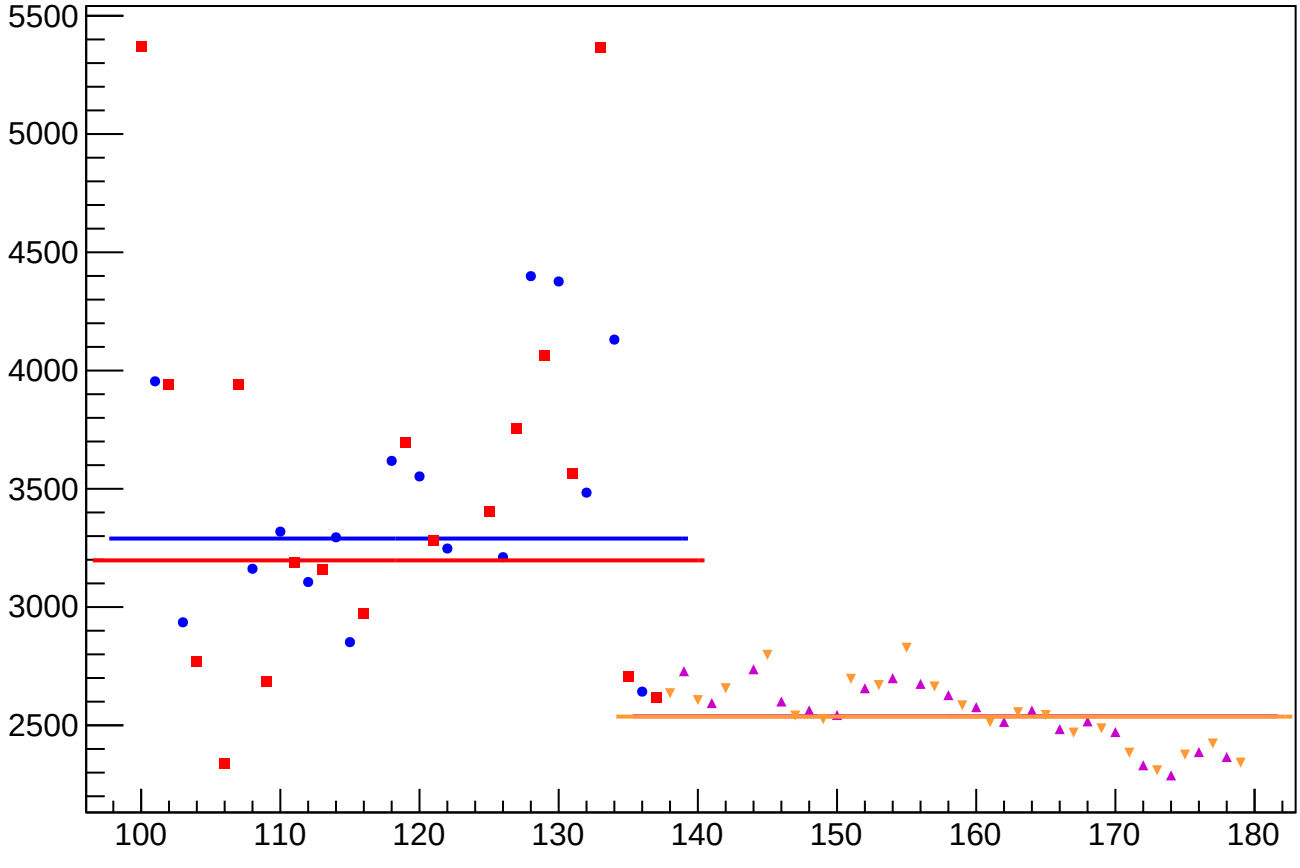
Left: 46.170+/-442.287 χ^2/NDF: 54.9/40

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -980.022+/-560.931 χ^2/NDF:34.0/35

Out: 548.017+/-554.240 χ^2/NDF:47.6/38

All: -206.834+/-394.251 χ^2/NDF: 85.3/74



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2536.748+/-0.440 χ^2/NDF:97517.4/20

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2538.217+/-0.445 χ^2/NDF:85180.4/19

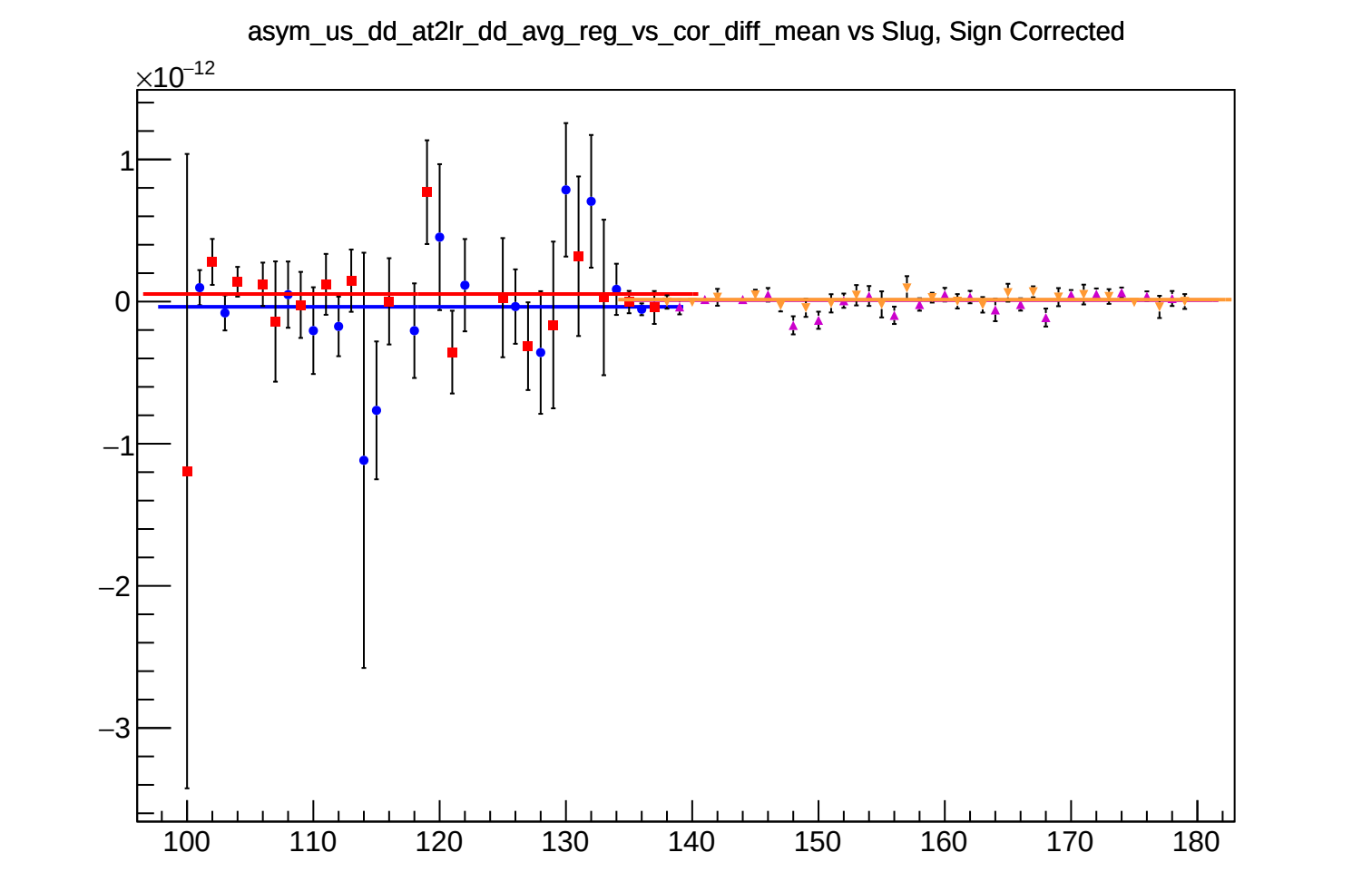
Left: 2537.475+/-0.313 χ^2/NDF: 182703.3/40

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2691.570+/-0.397 χ^2/NDF:1015804.6/35

Out: 2673.326+/-0.392 χ^2/NDF:1063457.6/38

All: 2682.339+/-0.279 χ^2/NDF: 2080332.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:29.5/19

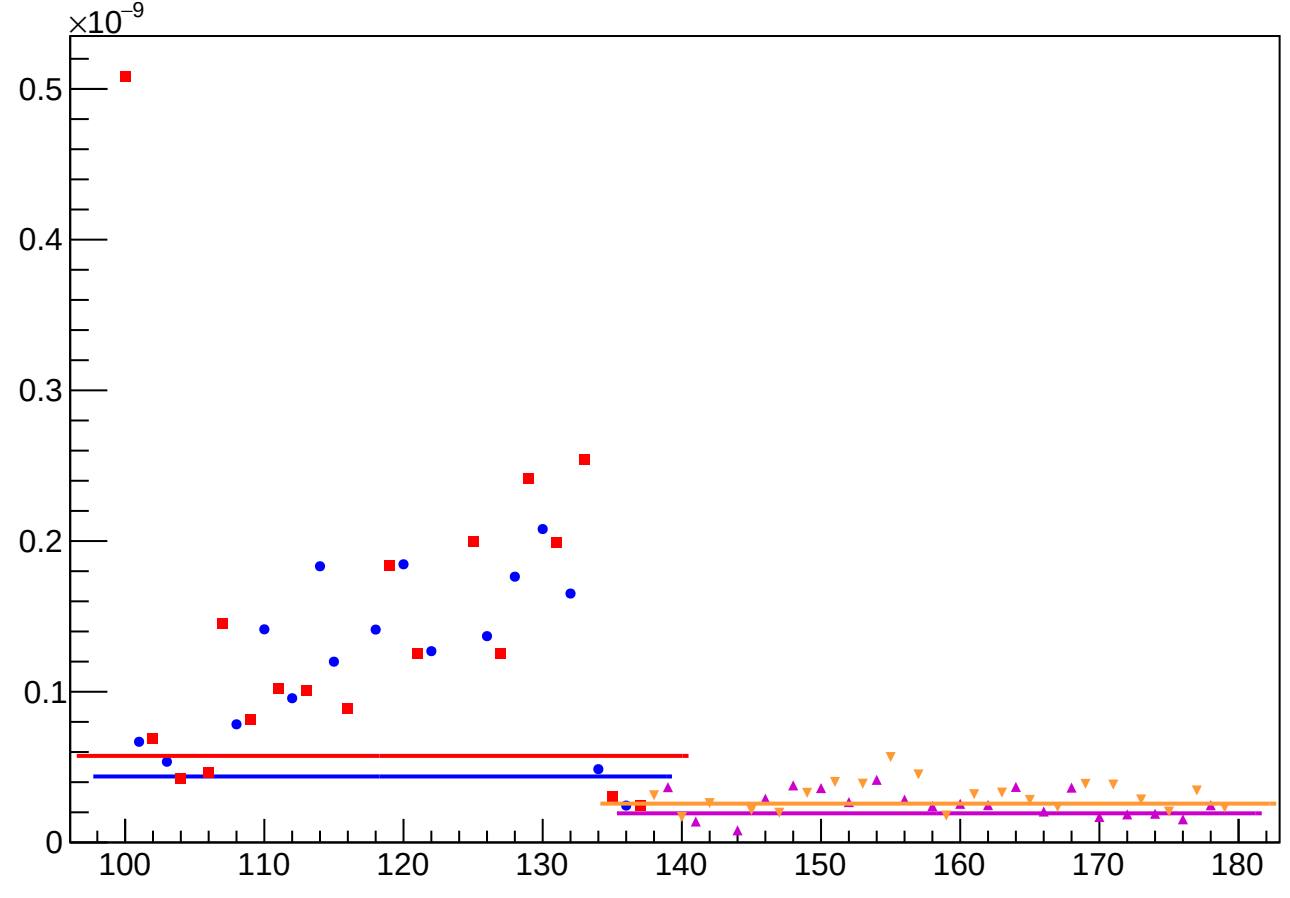
Left: 0.000+/-0.000 χ^2/NDF: 38.9/40

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:44.4/35

Out: 0.000+/-0.000 χ^2/NDF:22.6/38

All: 0.000+/-0.000 χ^2/NDF: 67.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1213433.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2157431.4/19

Left: 0.000+/-0.000 χ^2/NDF: 3800928.9/40

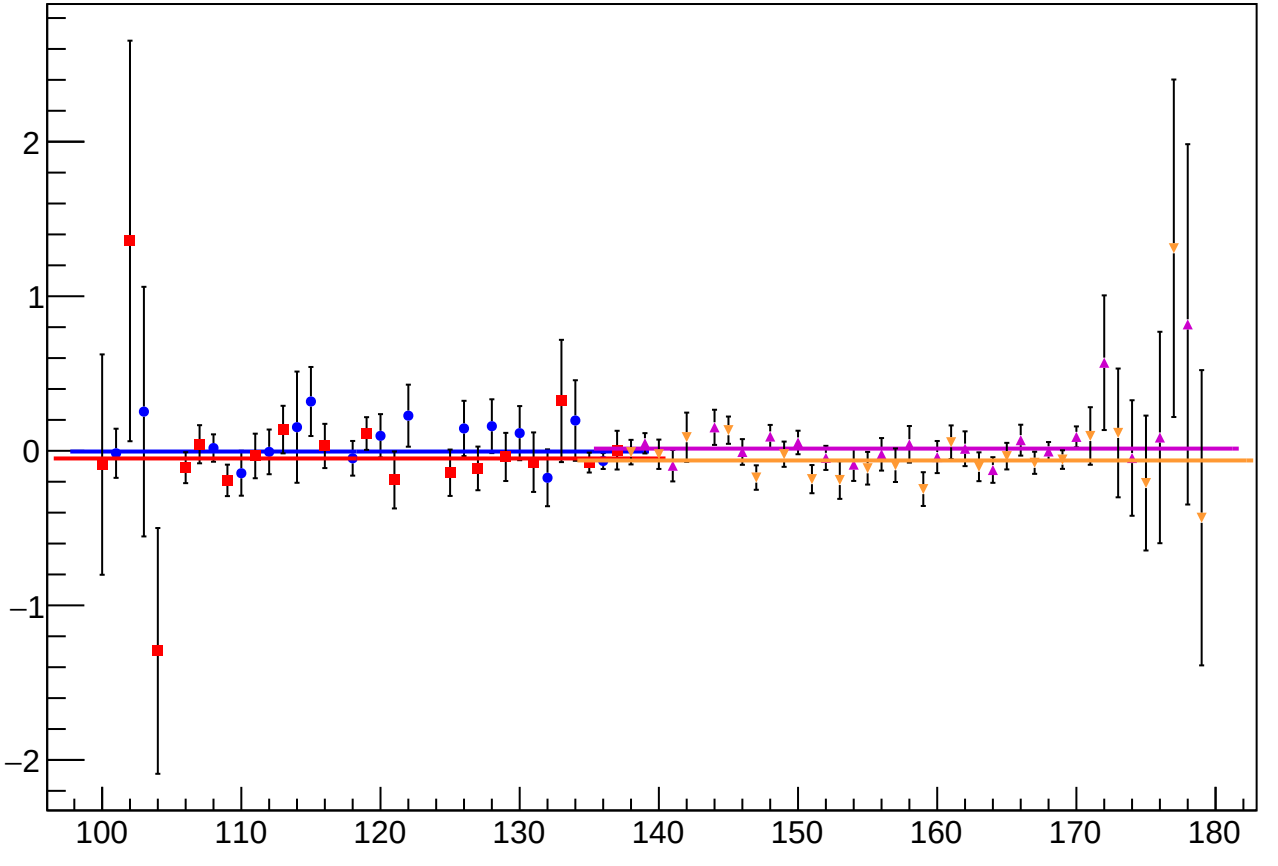
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5333245.4/35

Out: 0.000+/-0.000 χ^2/NDF:4307524.0/38

All: 0.000+/-0.000 χ^2/NDF: 10128567.3/74

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 38.1/40

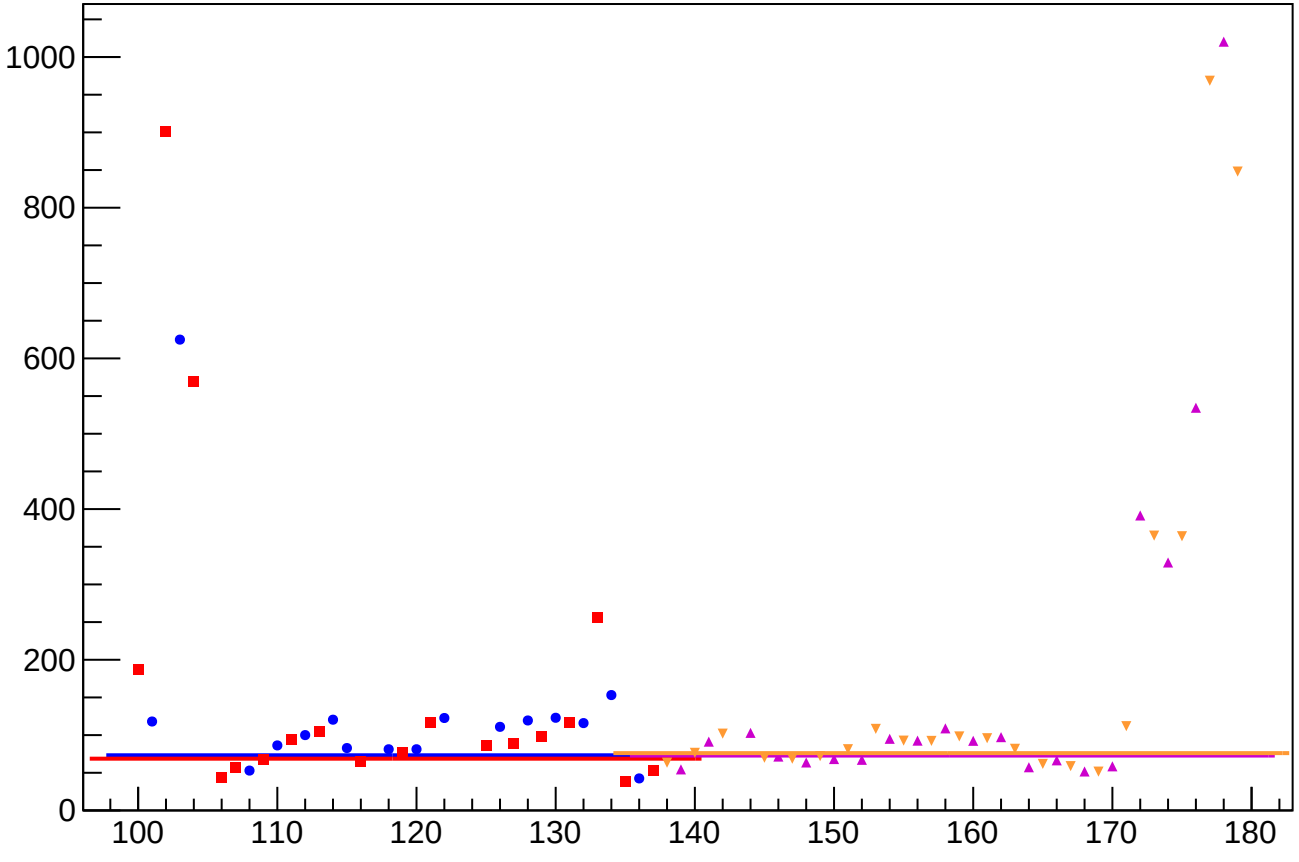
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 62.5/74

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.094+/-0.016 χ^2/NDF:5583262.0/20

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.860+/-0.015 χ^2/NDF:5571006.3/19

Left: 74.403+/-0.011 χ^2/NDF: 11176571.1/40

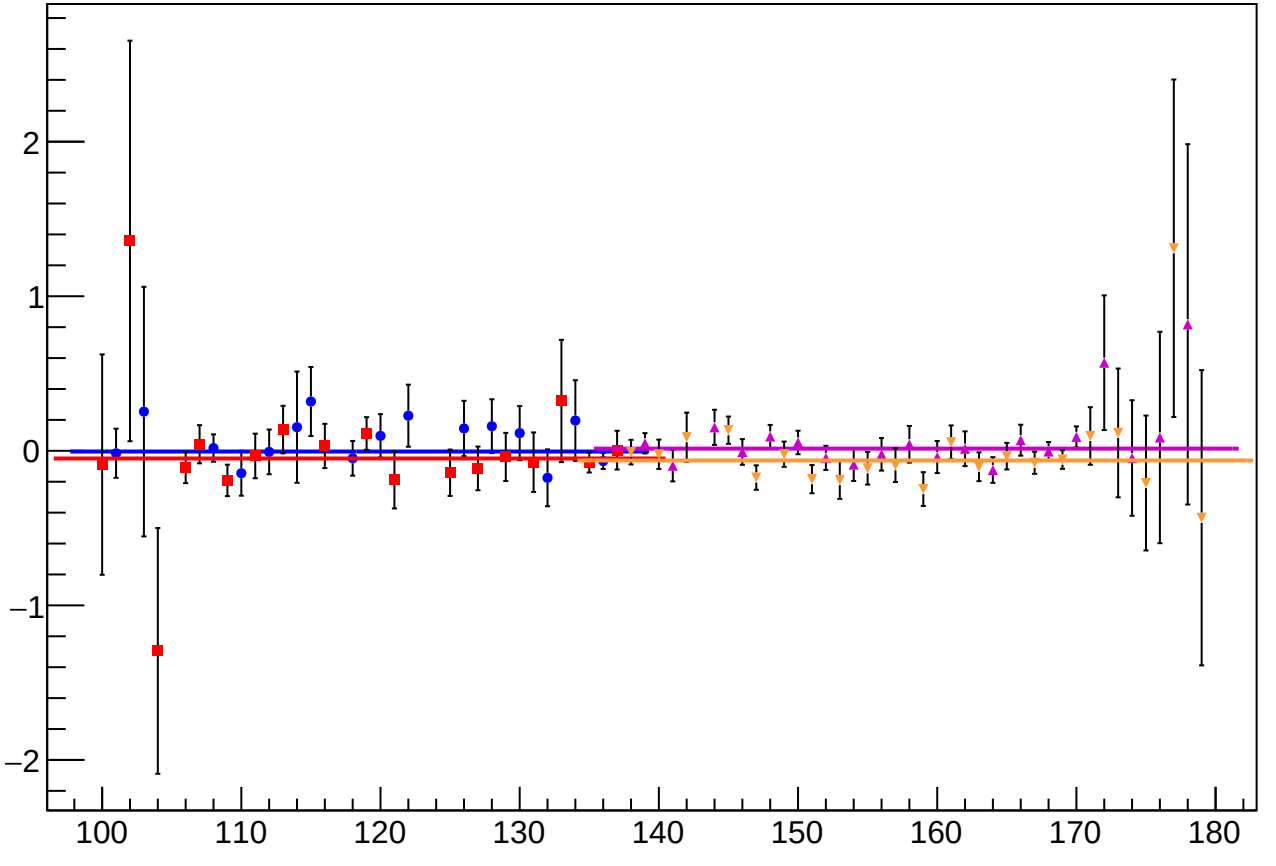
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.973+/-0.013 χ^2/NDF:8425796.4/35

Out: 73.673+/-0.013 χ^2/NDF:8987783.1/38

All: 73.314+/-0.009 χ^2/NDF: 17415107.7/74

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 38.1/40

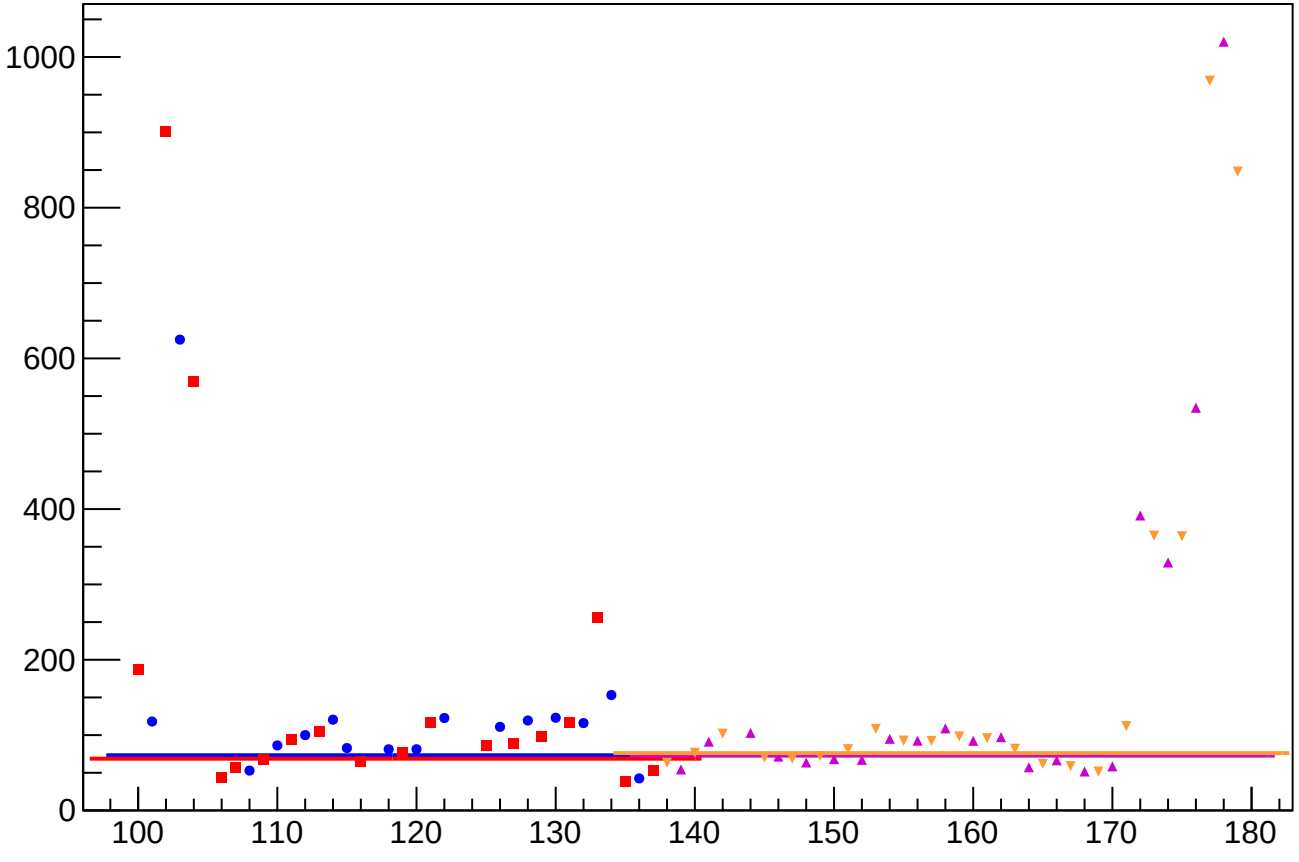
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 62.5/74

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 76.094+/-0.016 χ^2/NDF:5583262.0/20

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.860+/-0.015 χ^2/NDF:5571006.3/19

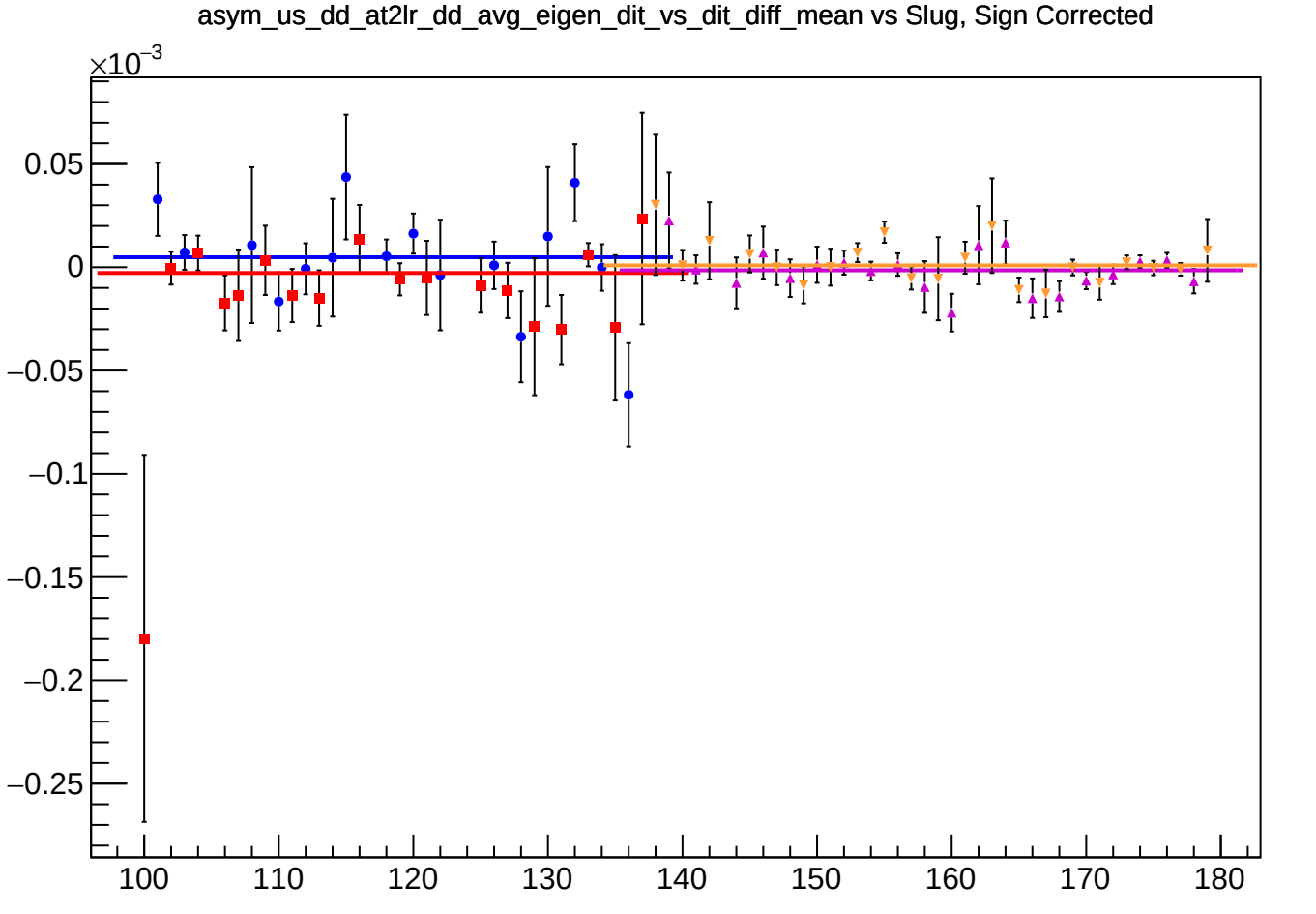
Left: 74.403+/-0.011 χ^2/NDF: 11176571.1/40

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.973+/-0.013 χ^2/NDF:8425796.4/35

Out: 73.673+/-0.013 χ^2/NDF:8987783.1/38

All: 73.314+/-0.009 χ^2/NDF: 17415107.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:21.2/19

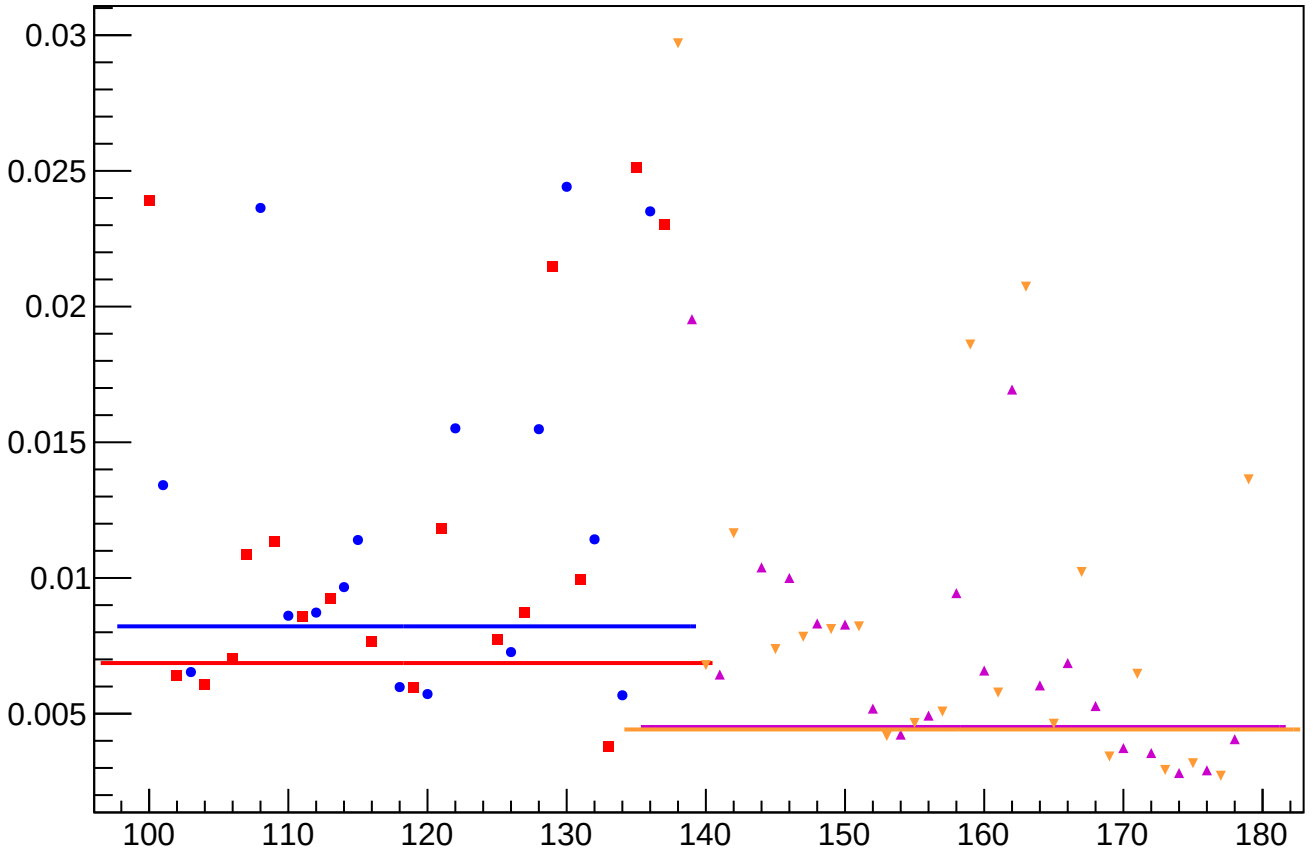
Left: -0.000+/-0.000 χ^2/NDF: 46.8/40

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: -0.000+/-0.000 χ^2/NDF:46.6/35

Out: 0.000+/-0.000 χ^2/NDF:42.2/38

All: -0.000+/-0.000 χ^2/NDF: 89.1/74



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7757268.4/20

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5226312.9/19

Left: 0.004+/-0.000 χ^2/NDF: 12988479.8/40

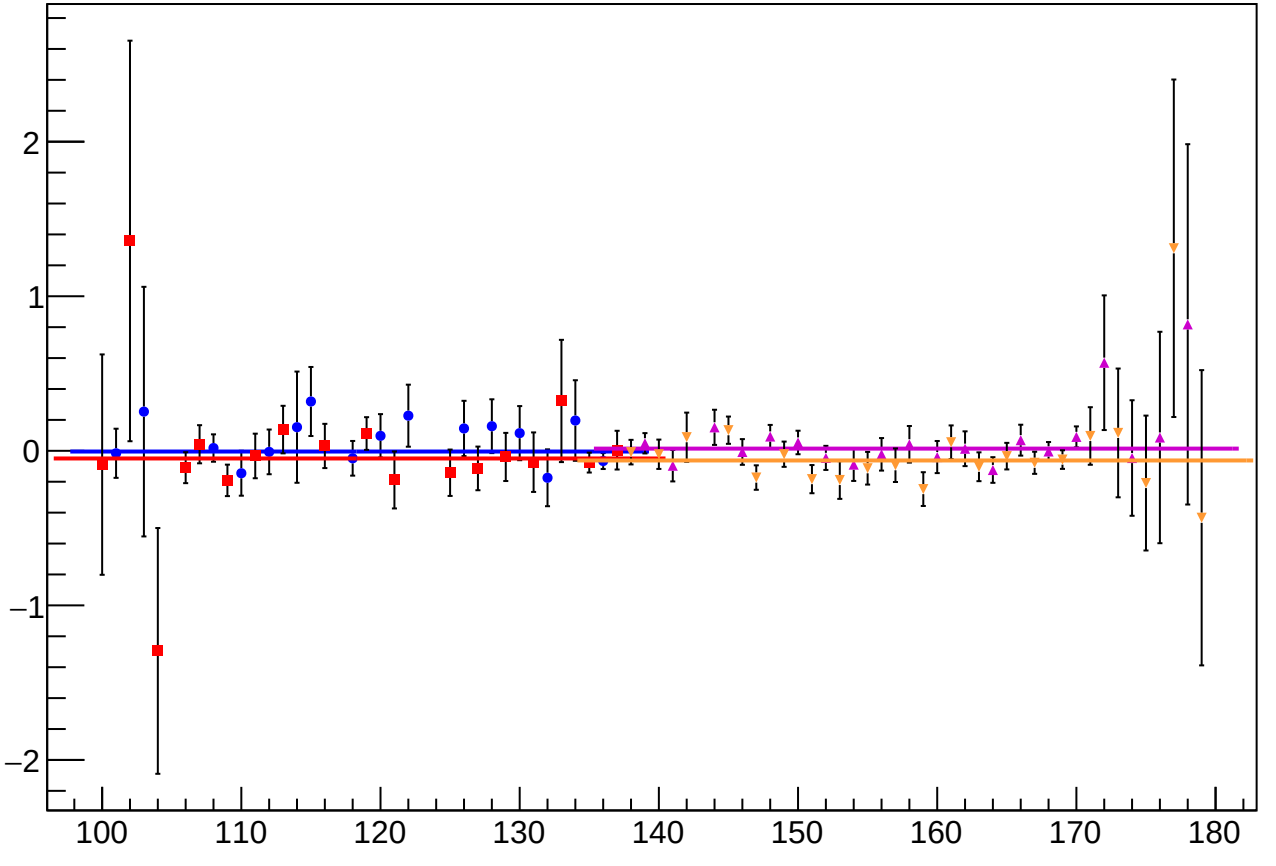
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:9843527.9/35

Out: 0.005+/-0.000 χ^2/NDF:11423682.6/38

All: 0.005+/-0.000 χ^2/NDF: 21285571.2/74

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 38.1/40

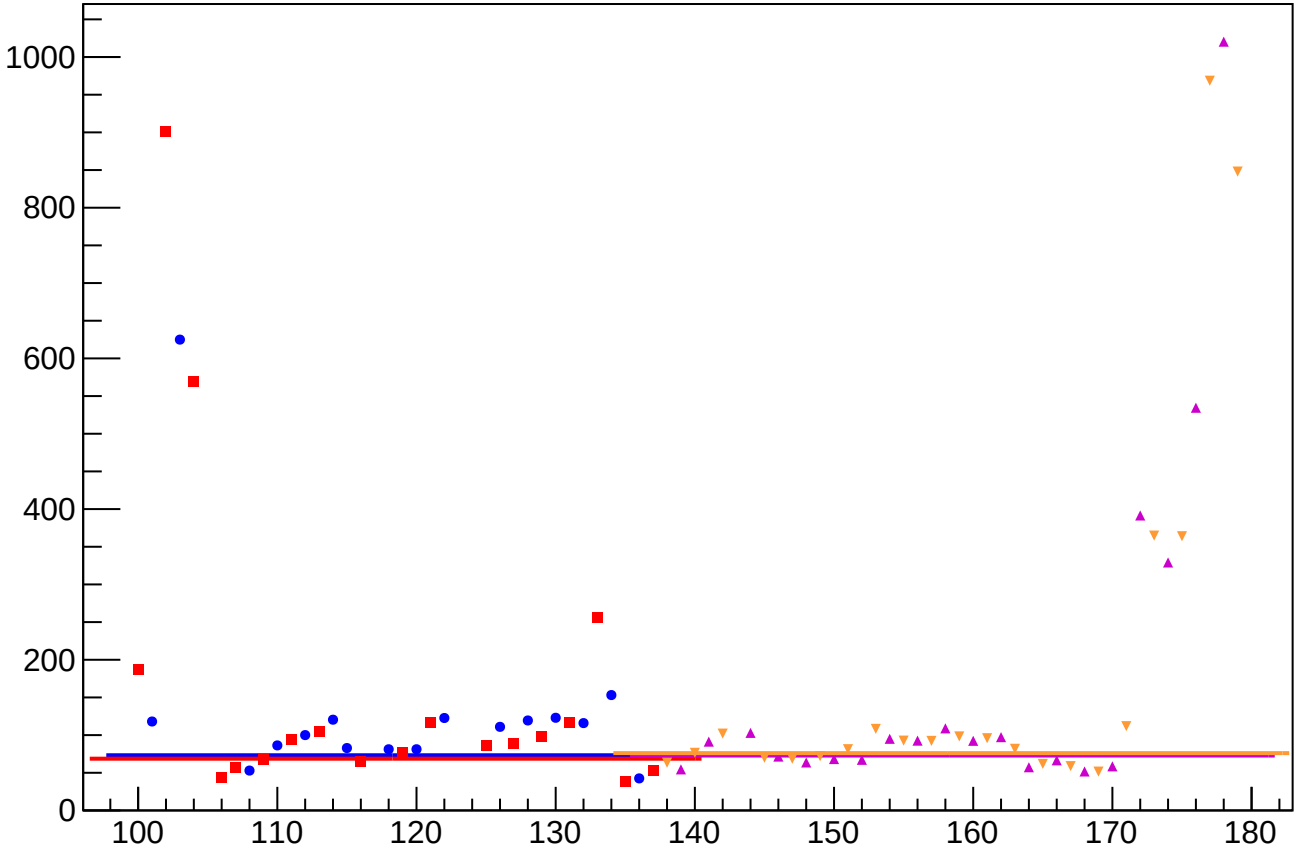
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 62.5/74

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.861+/-0.015 χ^2/NDF:5570738.2/19

Left: 74.404+/-0.011 χ^2/NDF: 11176196.3/40

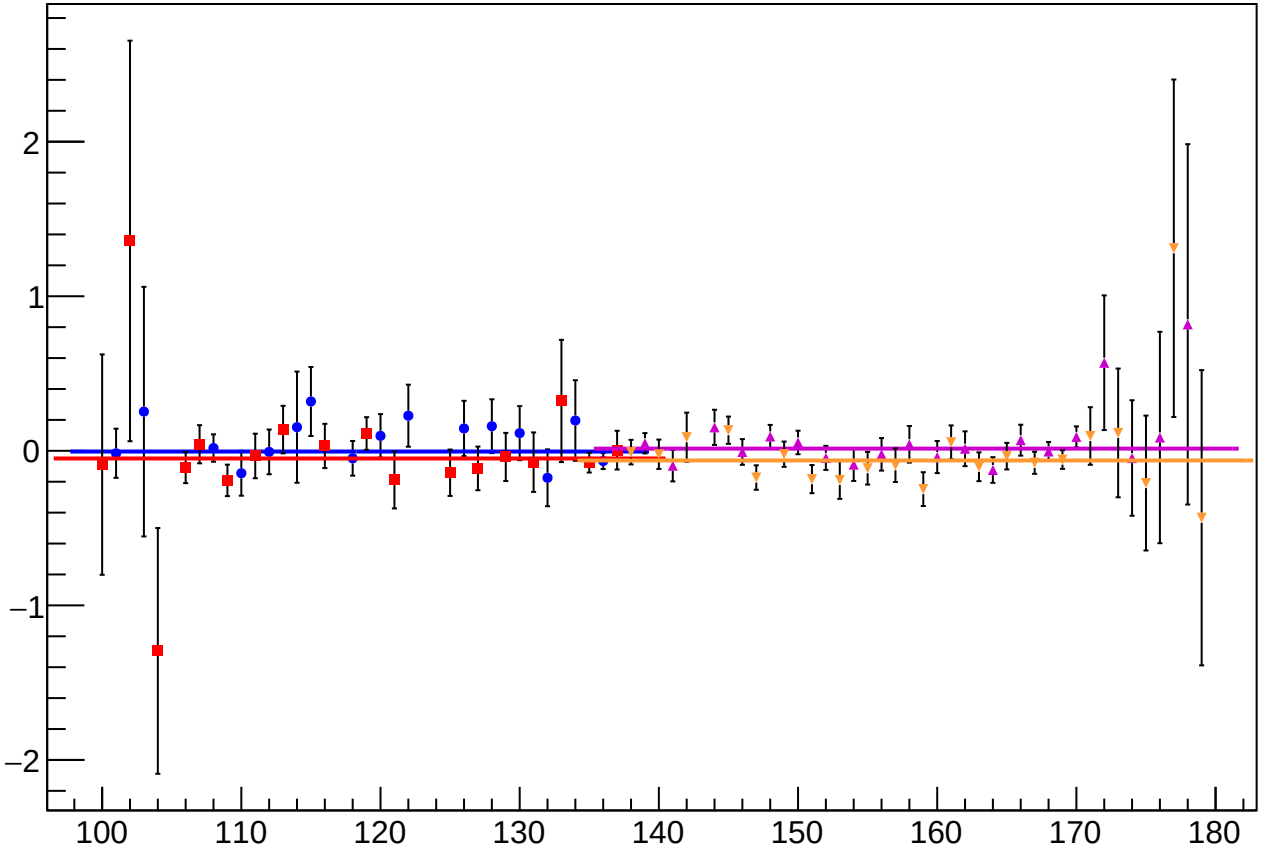
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.981+/-0.013 χ^2/NDF:8423258.5/35

Out: 73.669+/-0.013 χ^2/NDF:8988921.9/38

All: 73.316+/-0.009 χ^2/NDF: 17413654.5/74

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:18.9/20

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 38.1/40

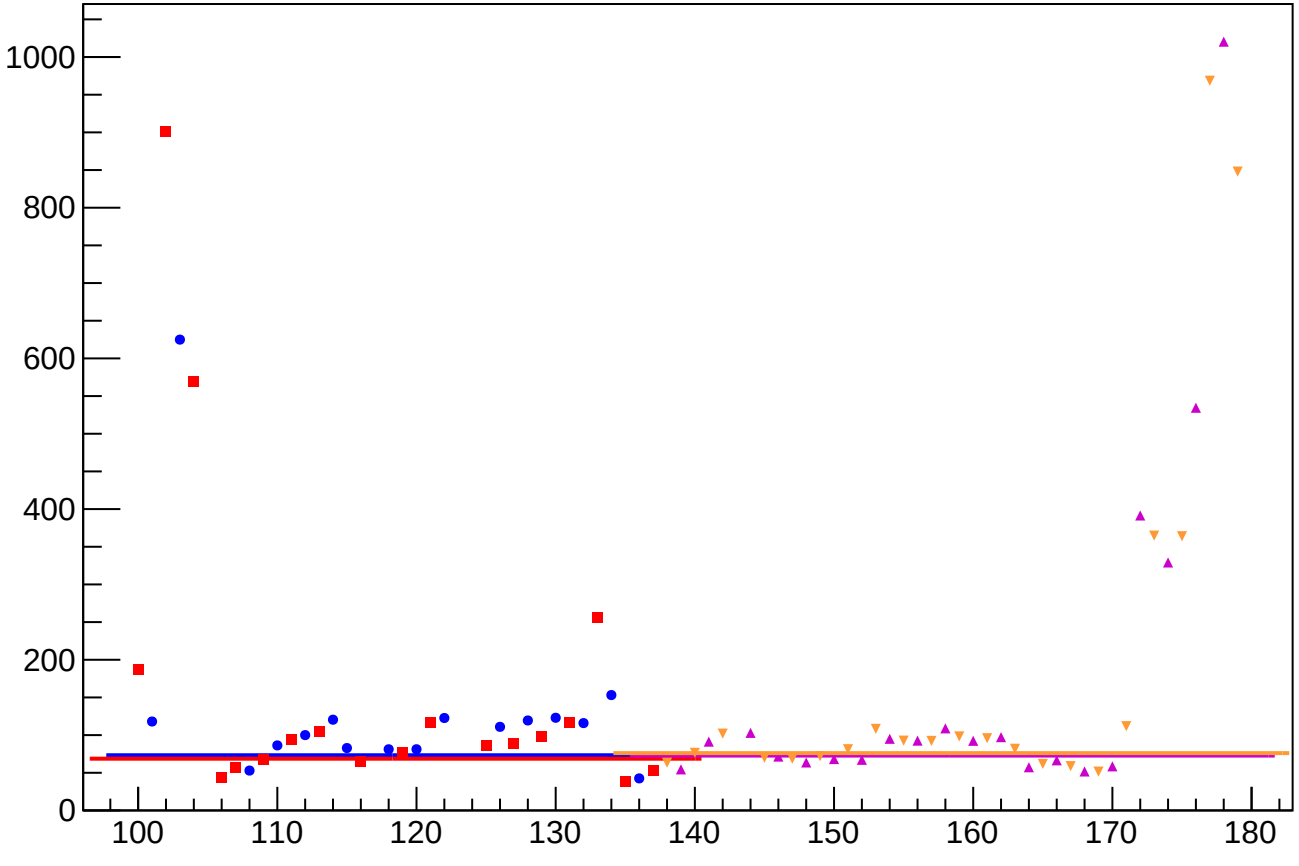
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:32.1/38

All: -0.024+/-0.013 χ^2/NDF: 62.5/74

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 76.093+/-0.016 χ^2/NDF:5583176.4/20

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.861+/-0.015 χ^2/NDF:5570738.2/19

Left: 74.404+/-0.011 χ^2/NDF: 11176196.3/40

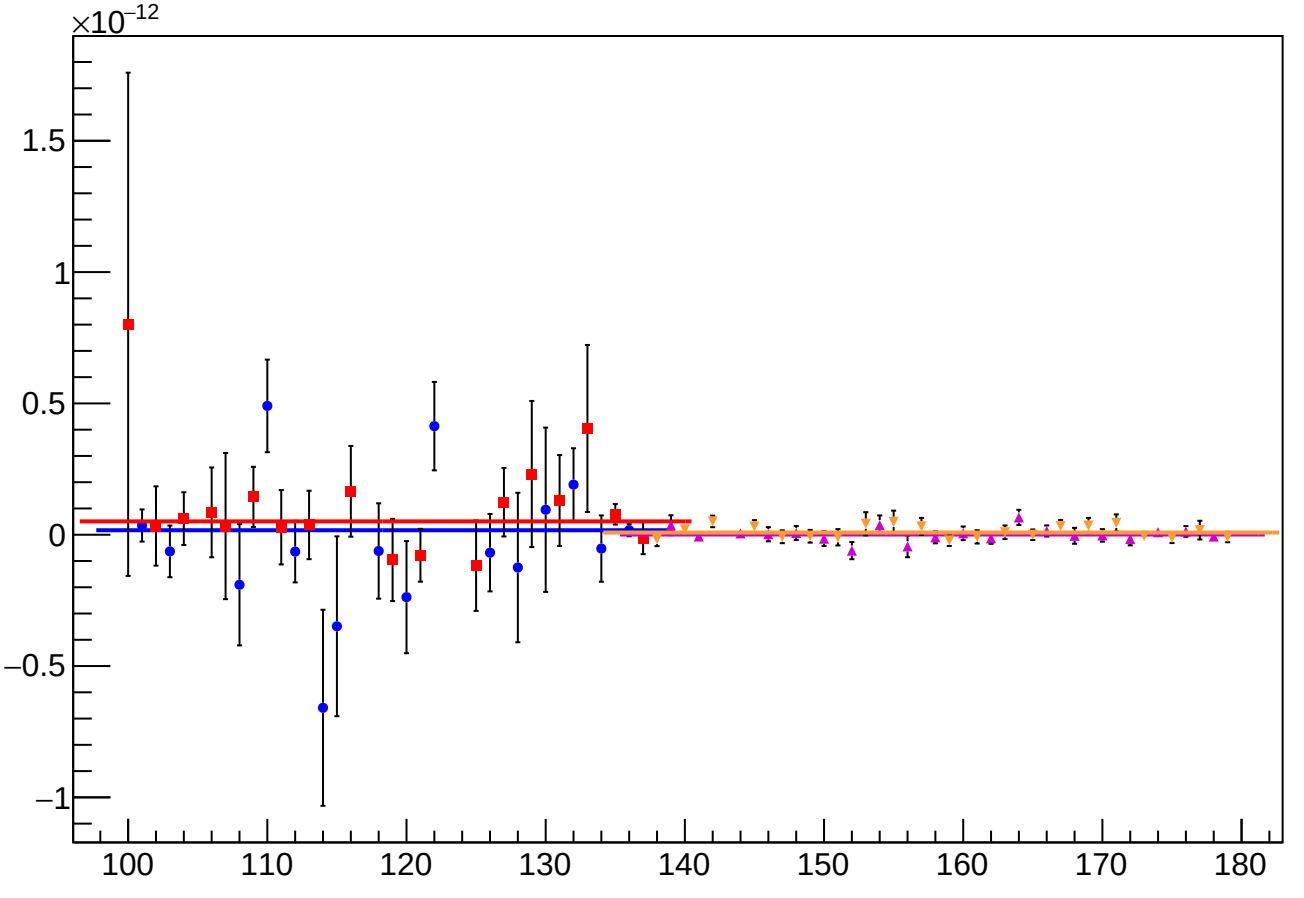
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.981+/-0.013 χ^2/NDF:8423258.5/35

Out: 73.669+/-0.013 χ^2/NDF:8988921.9/38

All: 73.316+/-0.009 χ^2/NDF: 17413654.5/74

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.5/19

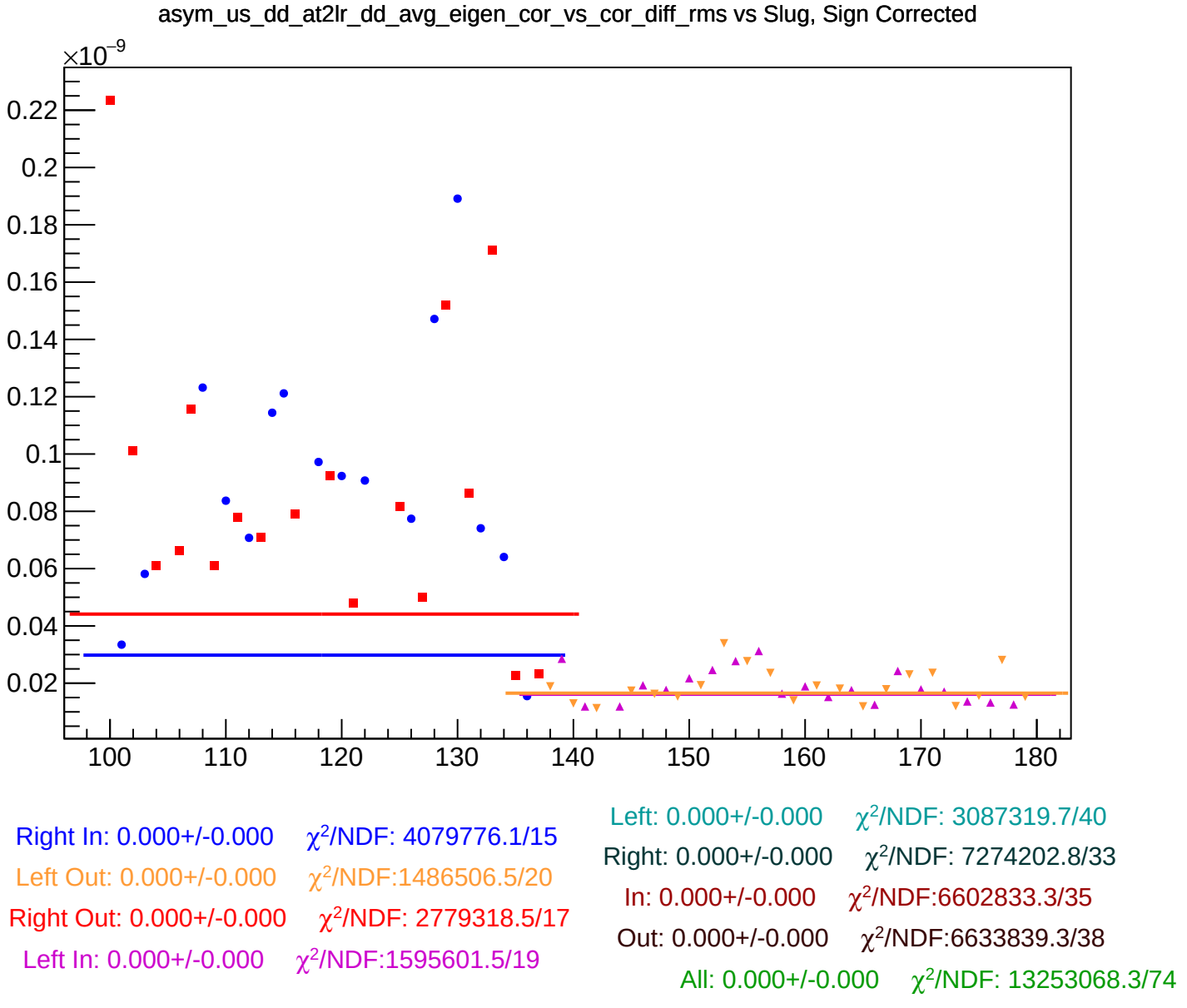
Left: 0.000+/-0.000 χ^2/NDF: 32.5/40

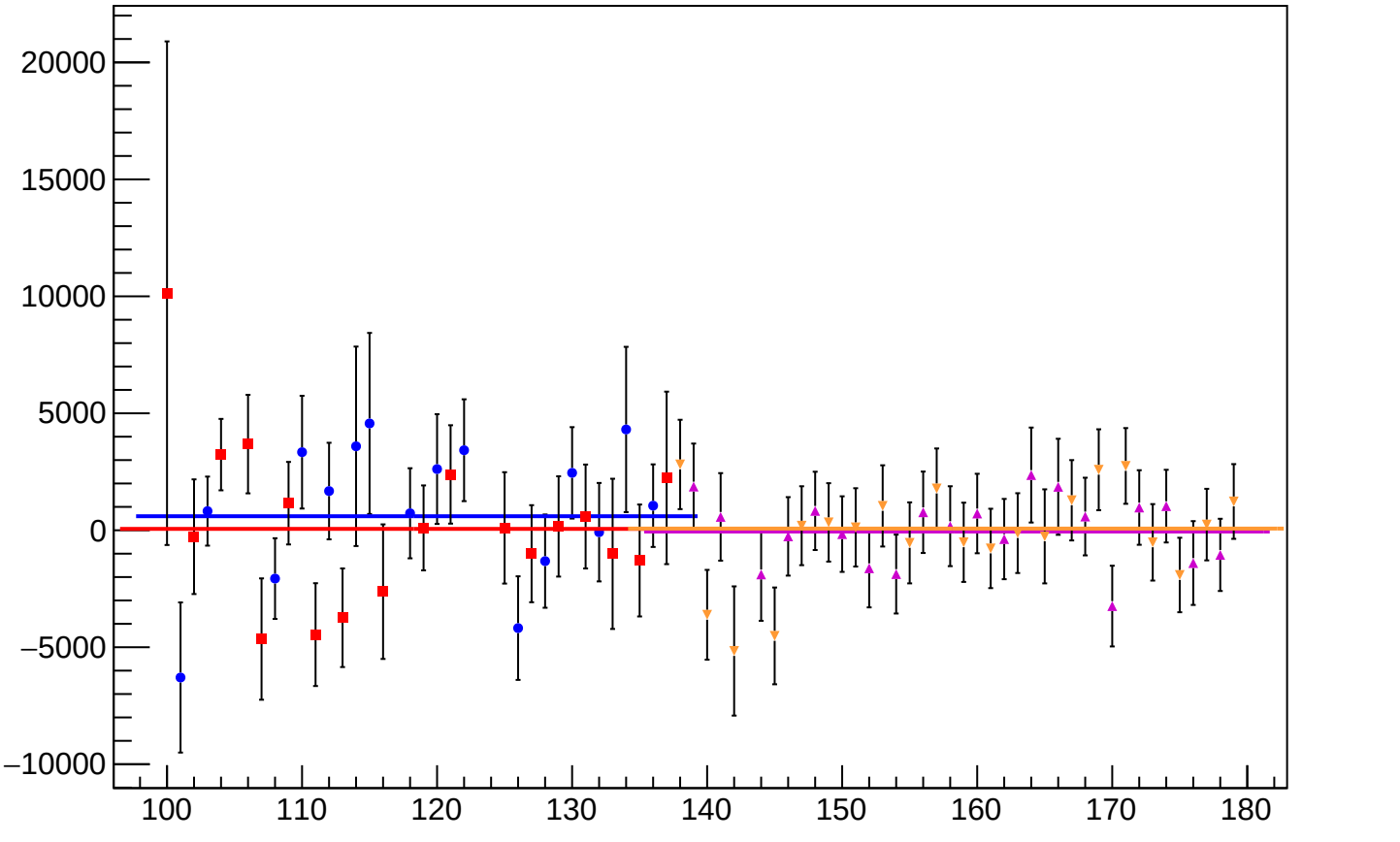
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:38.6/35

Out: 0.000+/-0.000 χ^2/NDF:28.9/38

All: 0.000+/-0.000 χ^2/NDF: 68.7/74


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1486506.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1595601.5/19
Left: 0.000+/-0.000 χ²/NDF: 3087319.7/40
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6602833.3/35
Out: 0.000+/-0.000 χ²/NDF:6633839.3/38
All: 0.000+/-0.000 χ²/NDF: 13253068.3/74



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.348+/-380.338 χ^2/NDF:23.7/20

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -53.218+/-385.794 χ^2/NDF:12.6/19

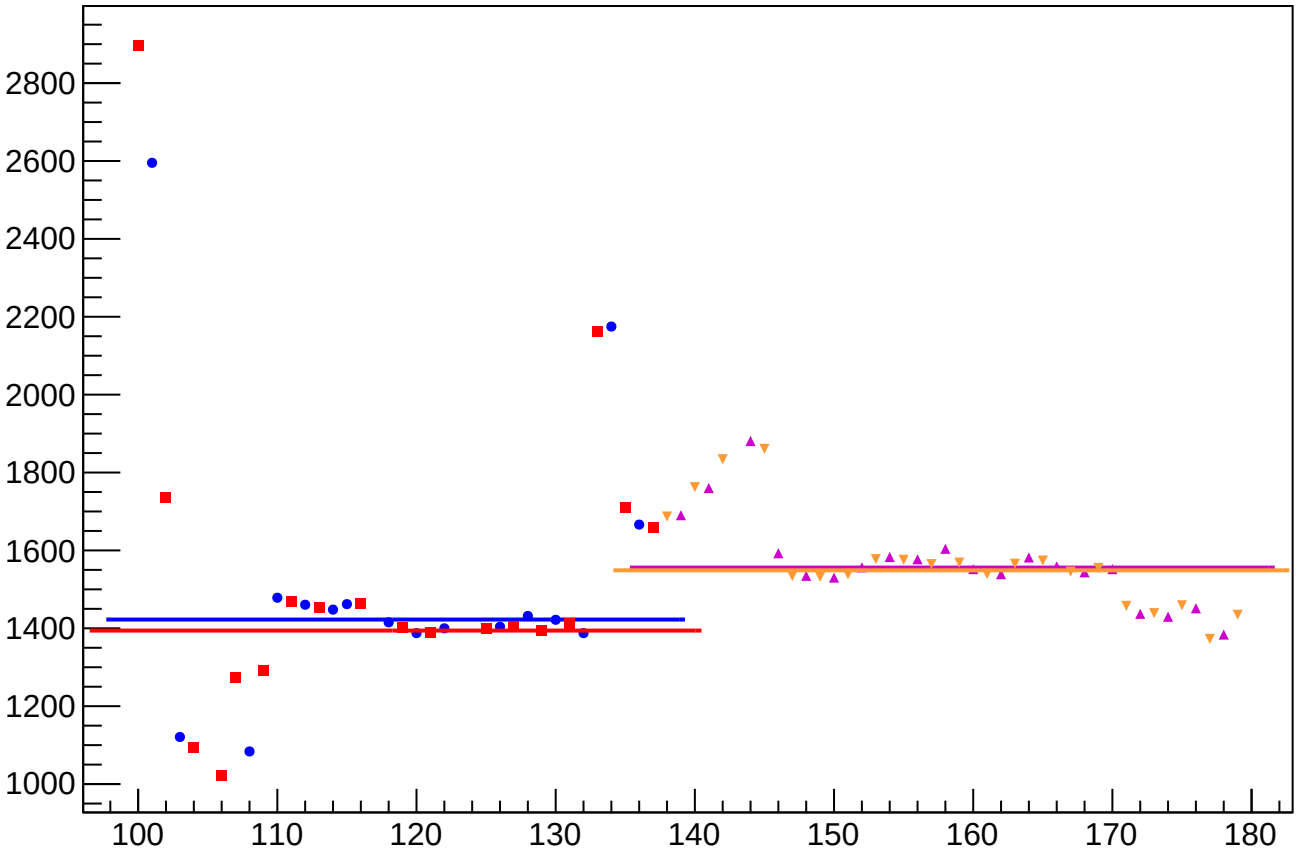
Left: 10.459+/-270.848 χ^2/NDF: 36.4/40

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 167.545+/-313.922 χ^2/NDF:33.9/35

Out: 67.844+/-309.047 χ^2/NDF:46.3/38

All: 116.914+/-220.232 χ^2/NDF: 80.2/74



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

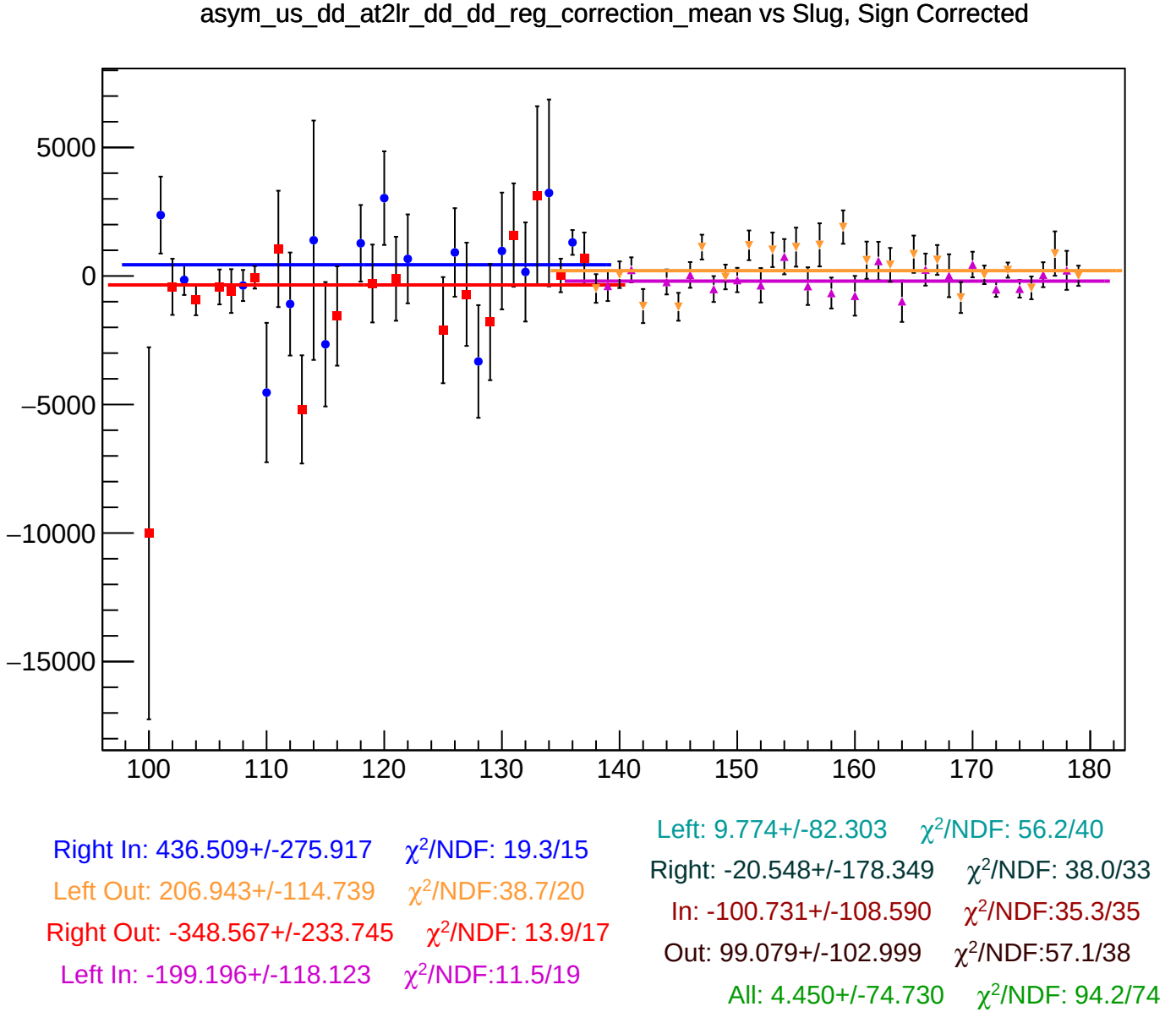
Left: 1552.387+/-0.192 χ^2/NDF: 312503.6/40

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

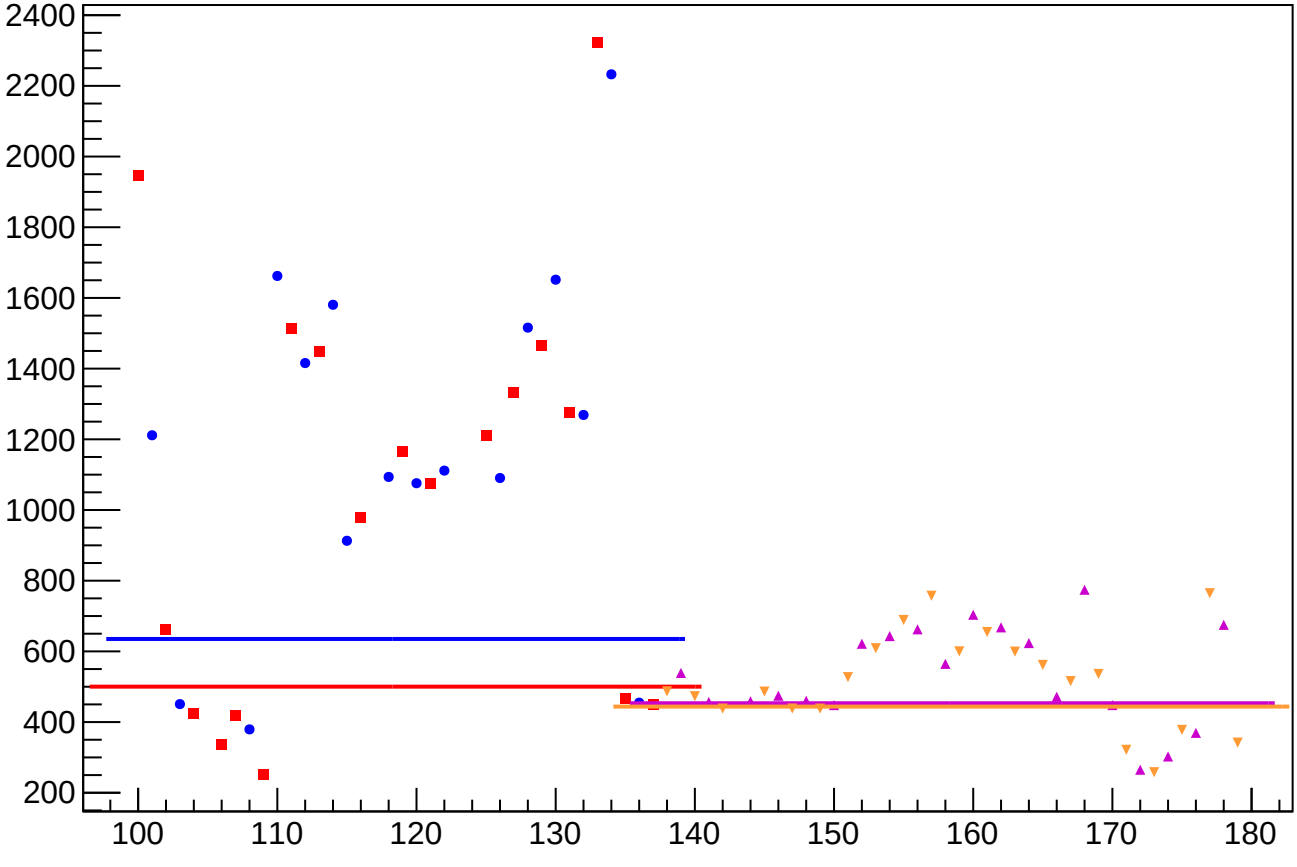
In: 1510.871+/-0.222 χ^2/NDF:790208.6/35

Out: 1496.340+/-0.219 χ^2/NDF:669216.2/38

All: 1503.492+/-0.156 χ^2/NDF: 1461601.0/74


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 206.943+/-114.739 χ²/NDF:38.7/20
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -199.196+/-118.123 χ²/NDF:11.5/19
Left: 9.774+/-82.303 χ²/NDF: 56.2/40
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: -100.731+/-108.590 χ²/NDF:35.3/35
Out: 99.079+/-102.999 χ²/NDF:57.1/38
All: 4.450+/-74.730 χ²/NDF: 94.2/74

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 443.803+/-0.081 χ^2/NDF:2688583.8/20

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 453.246+/-0.084 χ^2/NDF:2746456.9/19

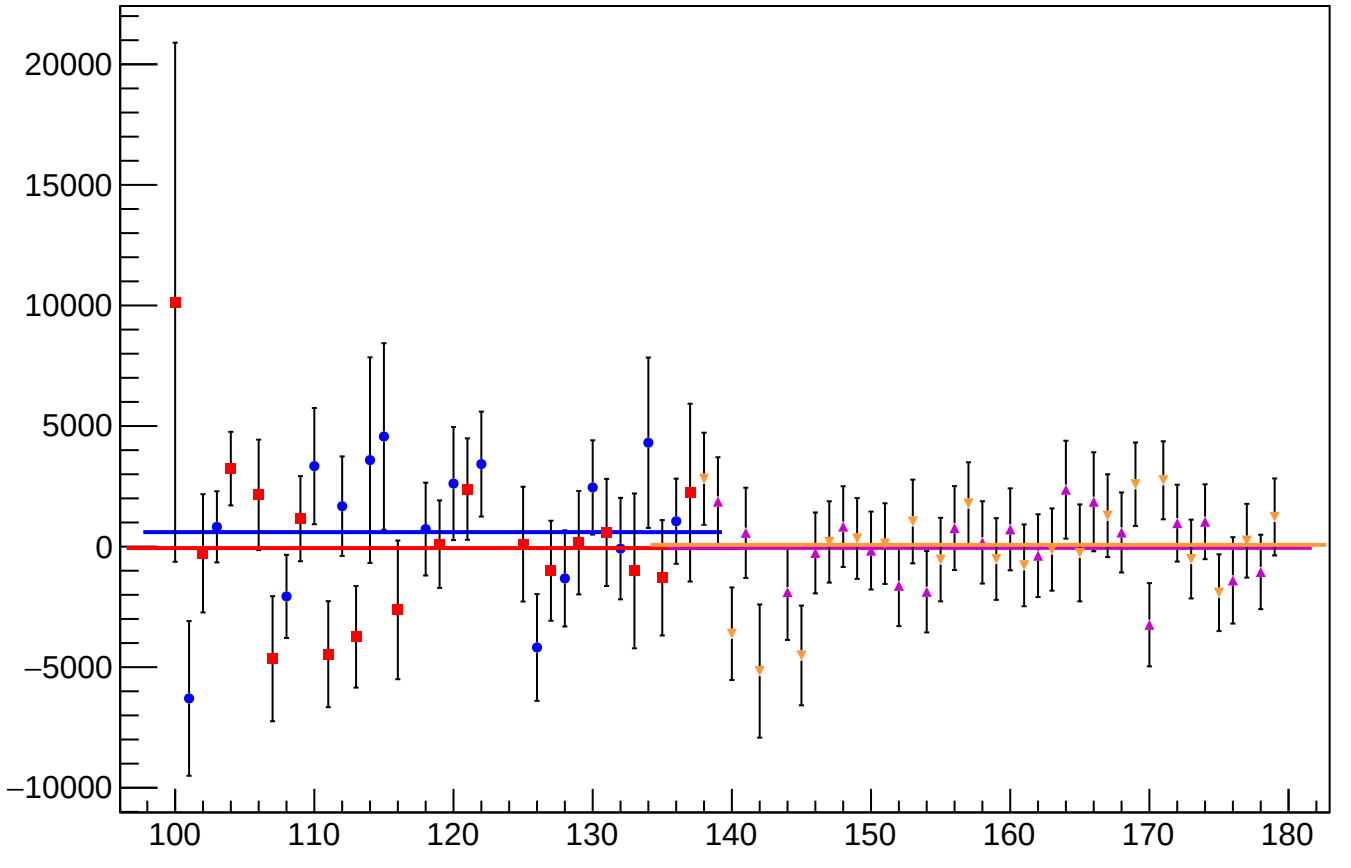
Left: 448.387+/-0.058 χ^2/NDF: 5441617.1/40

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 481.419+/-0.077 χ^2/NDF:7233552.8/35

Out: 454.760+/-0.073 χ^2/NDF:7091602.7/38

All: 467.385+/-0.053 χ^2/NDF: 14388610.2/74



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -53.263+/-385.794 χ^2/NDF:12.6/19

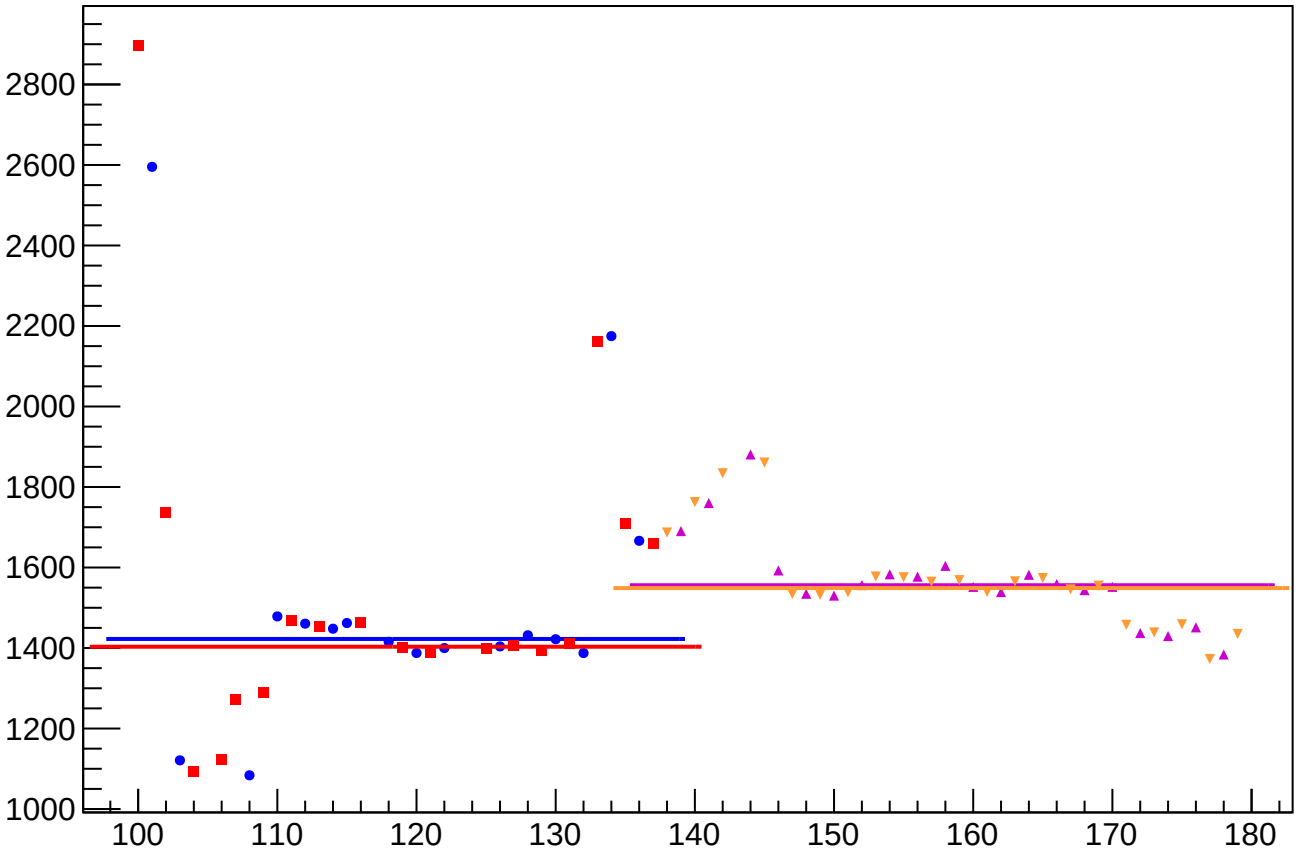
Left: 10.436+/-270.848 χ^2/NDF: 36.4/40

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 167.473+/-313.922 χ^2/NDF:33.9/35

Out: 27.551+/-309.563 χ^2/NDF:44.1/38

All: 96.534+/-220.419 χ^2/NDF: 78.1/74



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

Left: 1552.387+/-0.192 χ^2/NDF: 312503.5/40

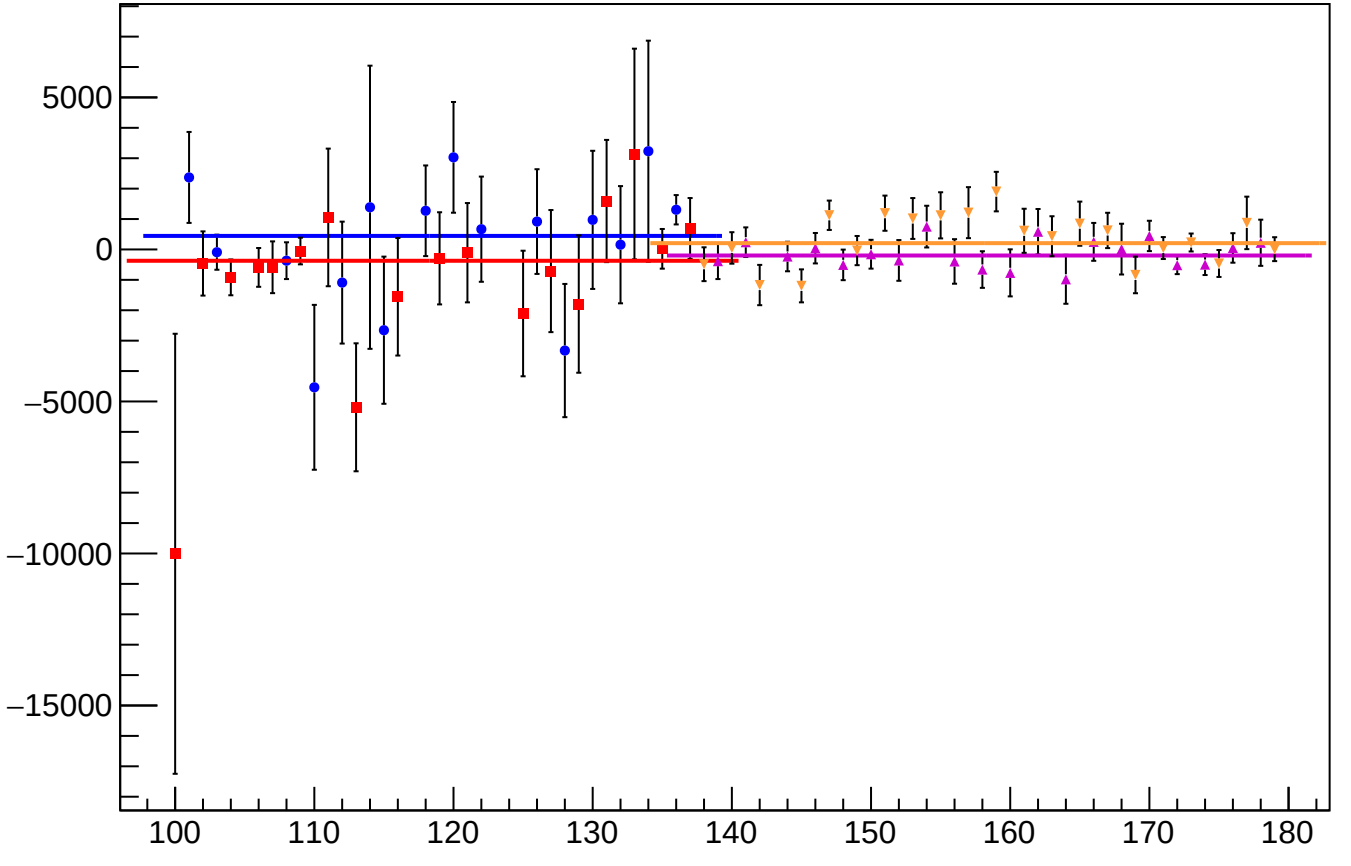
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1510.871+/-0.222 χ^2/NDF:790209.0/35

Out: 1499.736+/-0.219 χ^2/NDF:621245.2/38

All: 1505.226+/-0.156 χ^2/NDF: 1412729.9/74

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 207.015+/-114.739 χ^2/NDF:38.7/20

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -199.363+/-118.124 χ^2/NDF:11.5/19

Left: 9.731+/-82.303 χ^2/NDF: 56.2/40

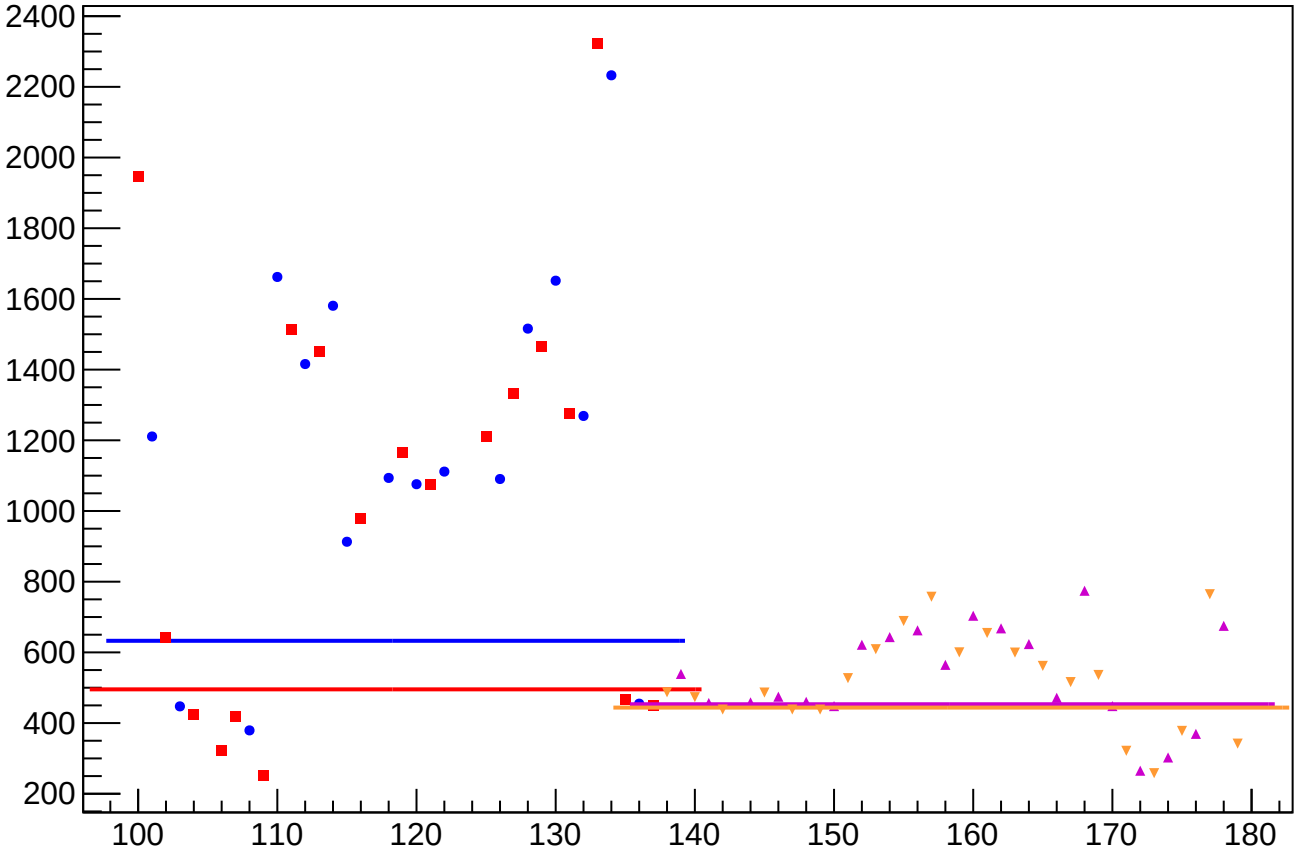
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -98.812+/-108.519 χ^2/NDF:35.3/35

Out: 92.606+/-102.792 χ^2/NDF:57.7/38

All: 2.080+/-74.627 χ^2/NDF: 94.7/74

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 443.801+/-0.081 χ^2/NDF:2688851.1/20

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 453.251+/-0.084 χ^2/NDF:2746175.7/19

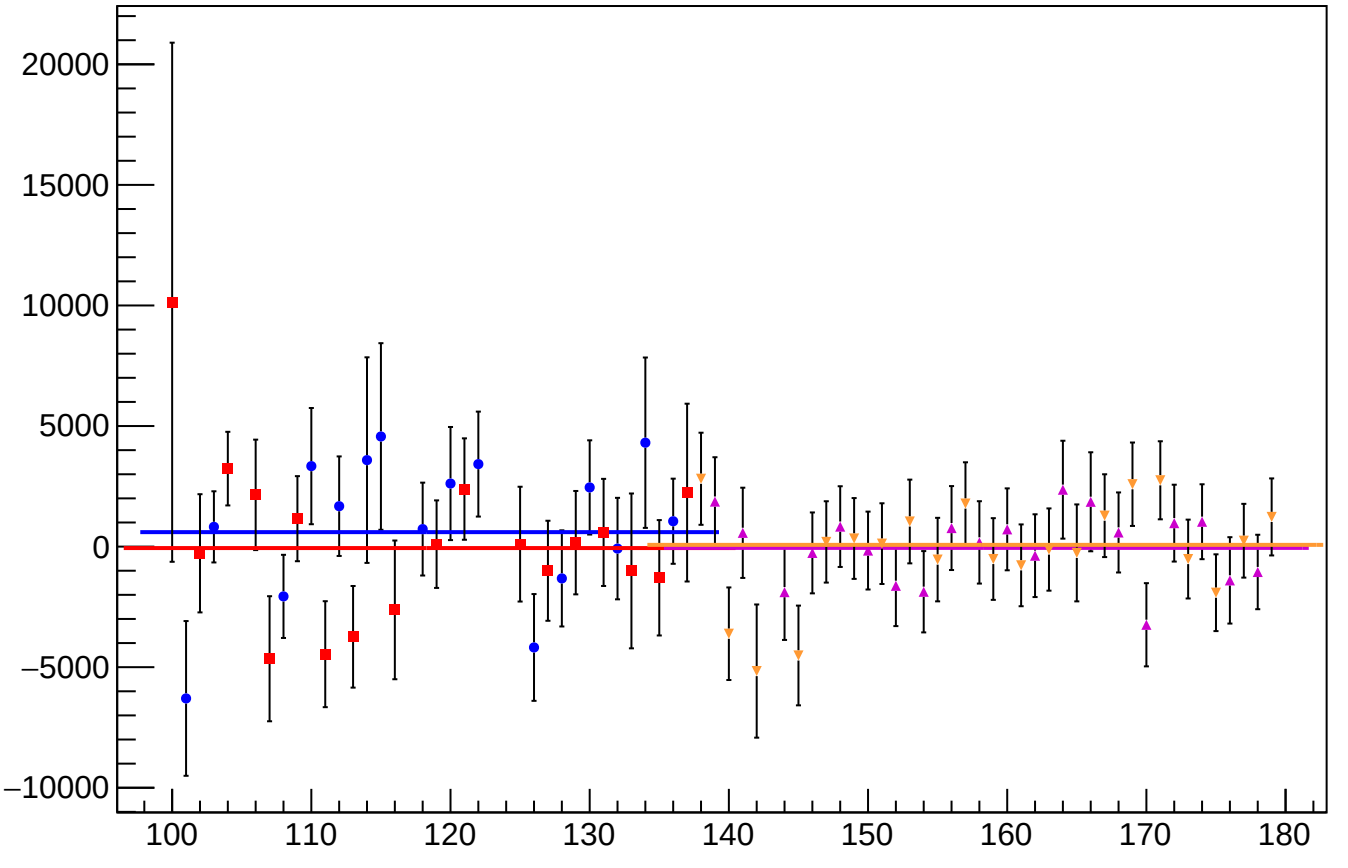
Left: 448.389+/-0.058 χ^2/NDF: 5441612.7/40

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 481.257+/-0.077 χ^2/NDF:7234460.0/35

Out: 453.983+/-0.073 χ^2/NDF:7106119.5/38

All: 466.881+/-0.053 χ^2/NDF: 14407163.1/74



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 72.345+/-380.338 χ^2/NDF:23.7/20

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -53.263+/-385.794 χ^2/NDF:12.6/19

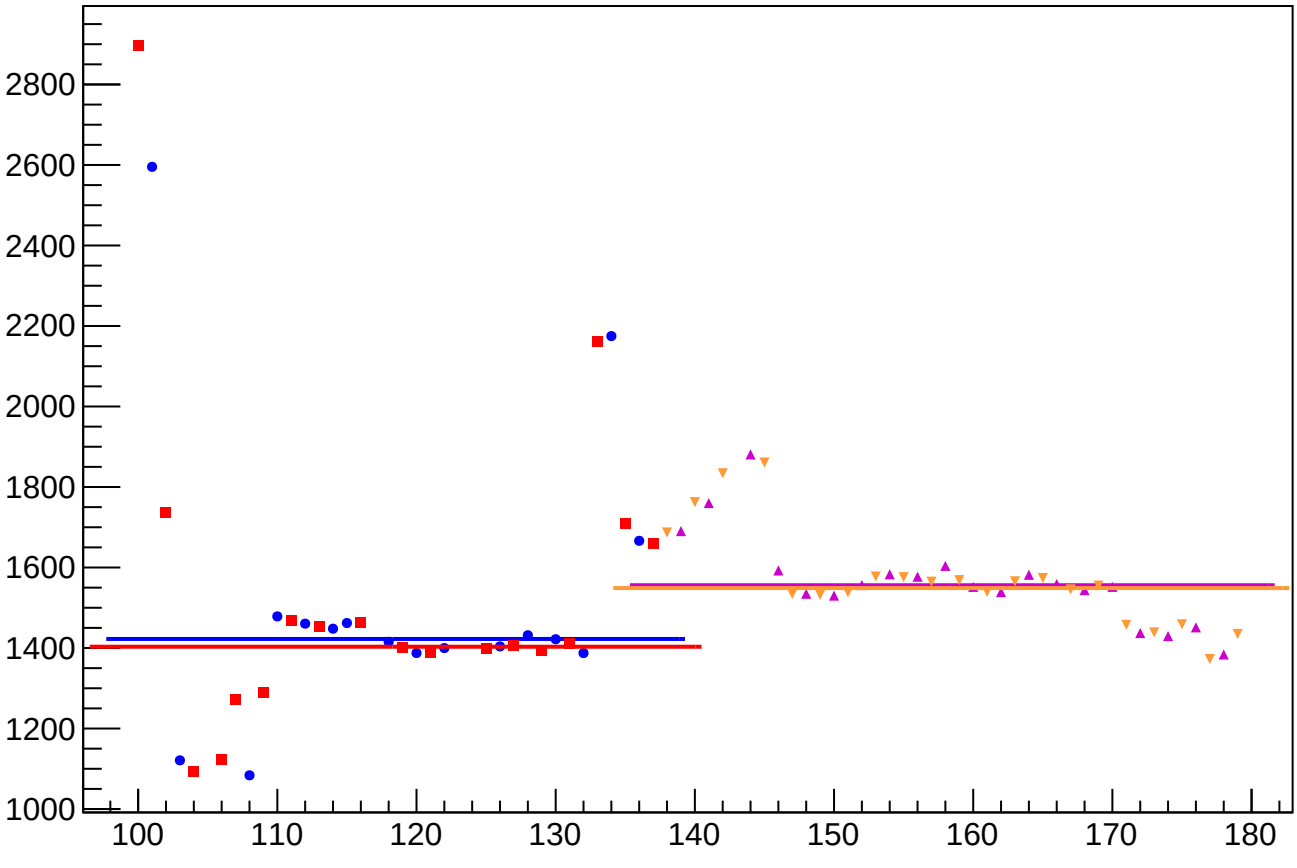
Left: 10.436+/-270.848 χ^2/NDF: 36.4/40

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 167.473+/-313.922 χ^2/NDF:33.9/35

Out: 27.551+/-309.563 χ^2/NDF:44.1/38

All: 96.534+/-220.419 χ^2/NDF: 78.1/74



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1548.914+/-0.269 χ^2/NDF:163069.7/20

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1555.961+/-0.273 χ^2/NDF:149095.5/19

Left: 1552.387+/-0.192 χ^2/NDF: 312503.5/40

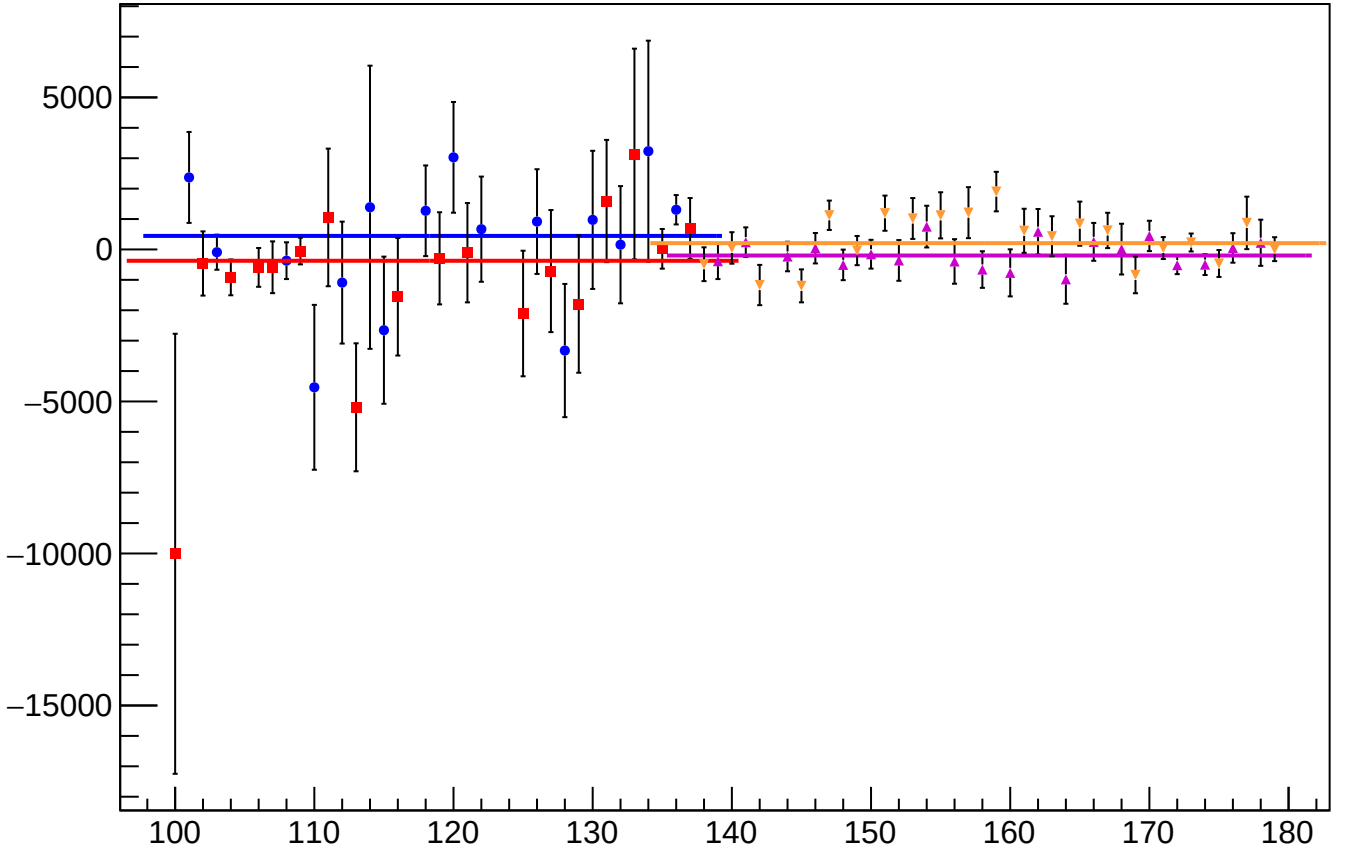
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1510.871+/-0.222 χ^2/NDF:790209.0/35

Out: 1499.736+/-0.219 χ^2/NDF:621245.2/38

All: 1505.226+/-0.156 χ^2/NDF: 1412729.9/74

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 207.015+/-114.739 χ^2/NDF:38.7/20

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -199.363+/-118.124 χ^2/NDF:11.5/19

Left: 9.731+/-82.303 χ^2/NDF: 56.2/40

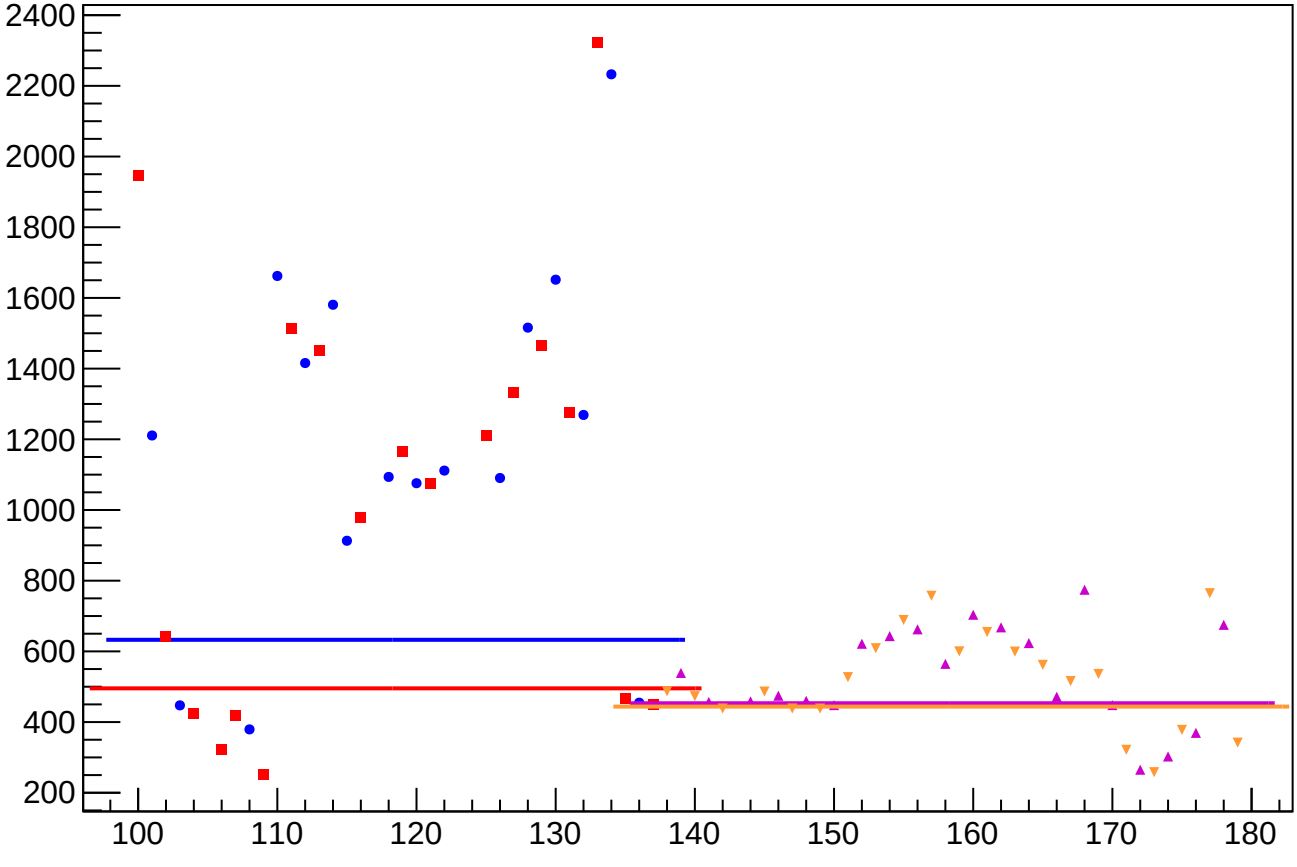
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -98.812+/-108.519 χ^2/NDF:35.3/35

Out: 92.606+/-102.792 χ^2/NDF:57.7/38

All: 2.080+/-74.627 χ^2/NDF: 94.7/74

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 443.801+/-0.081 χ^2/NDF:2688851.1/20

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 453.251+/-0.084 χ^2/NDF:2746175.7/19

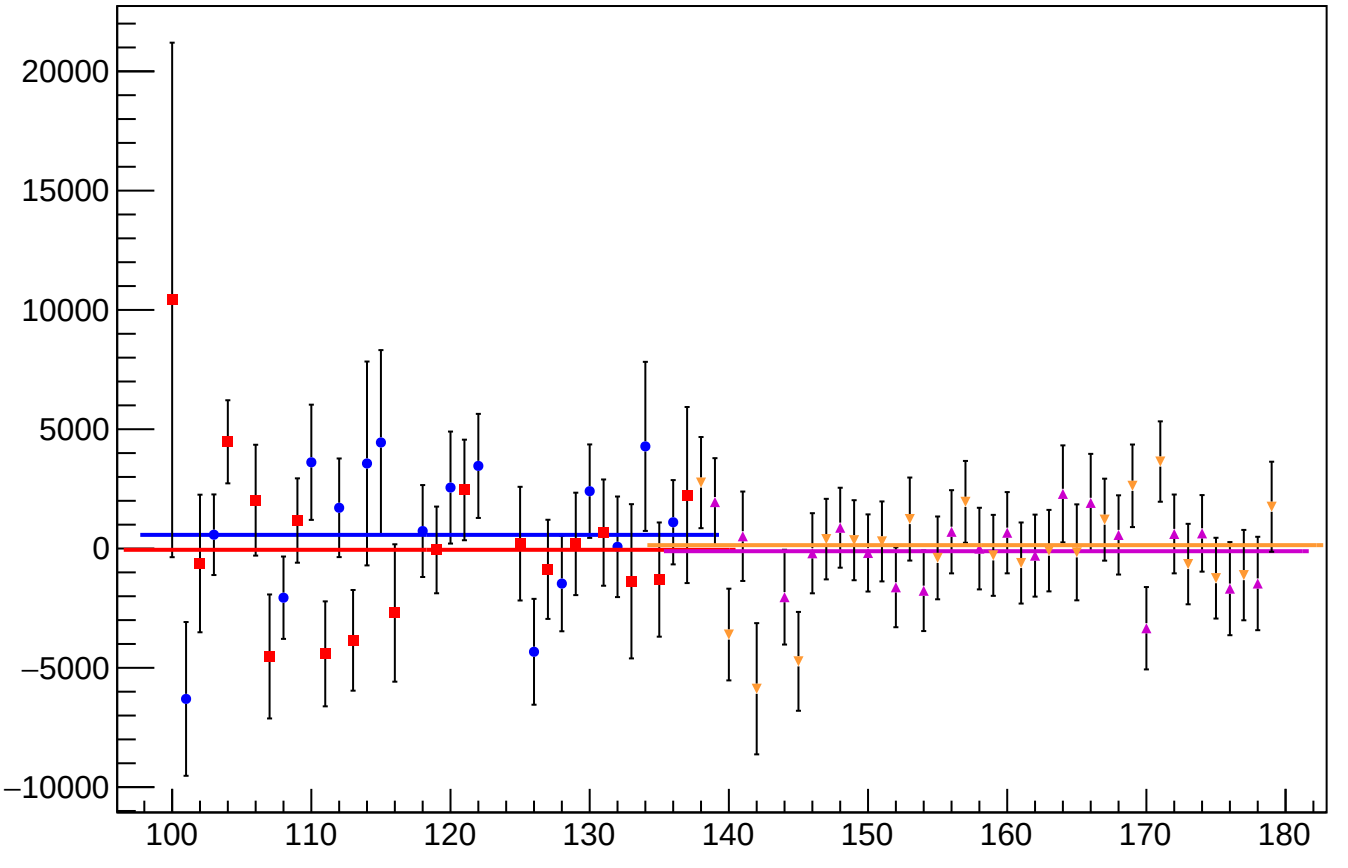
Left: 448.389+/-0.058 χ^2/NDF: 5441612.7/40

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 481.257+/-0.077 χ^2/NDF:7234460.0/35

Out: 453.983+/-0.073 χ^2/NDF:7106119.5/38

All: 466.881+/-0.053 χ^2/NDF: 14407163.1/74



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.447+/-390.896 χ^2/NDF:26.8/20

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -112.523+/-393.935 χ^2/NDF:12.4/19

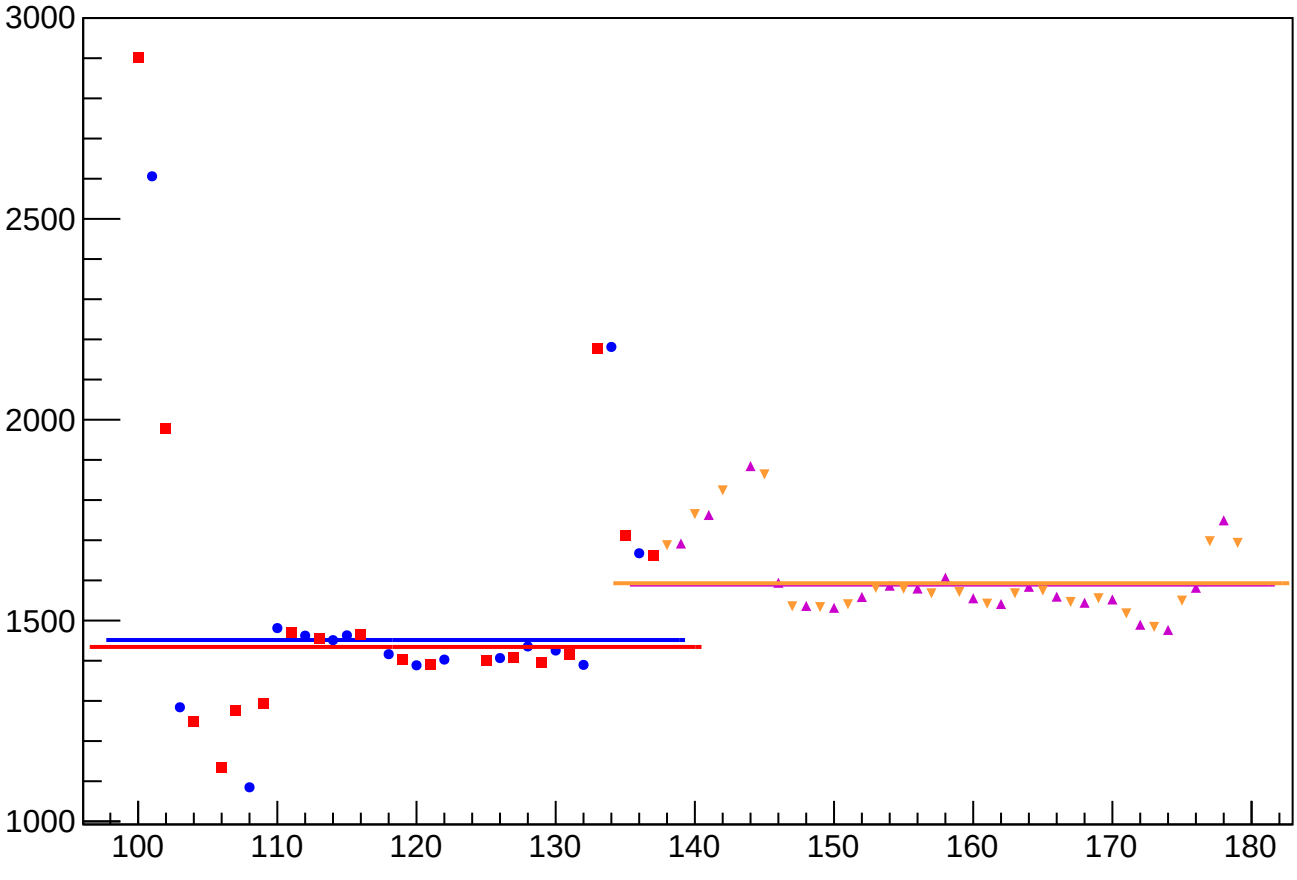
Left: 15.446+/-277.474 χ^2/NDF: 39.4/40

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 119.875+/-320.190 χ^2/NDF:34.2/35

Out: 75.196+/-317.711 χ^2/NDF:49.4/38

All: 97.362+/-225.527 χ^2/NDF: 83.6/74



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1592.939+/-0.276 χ^2/NDF:107228.4/20

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.513+/-0.279 χ^2/NDF:108763.2/19

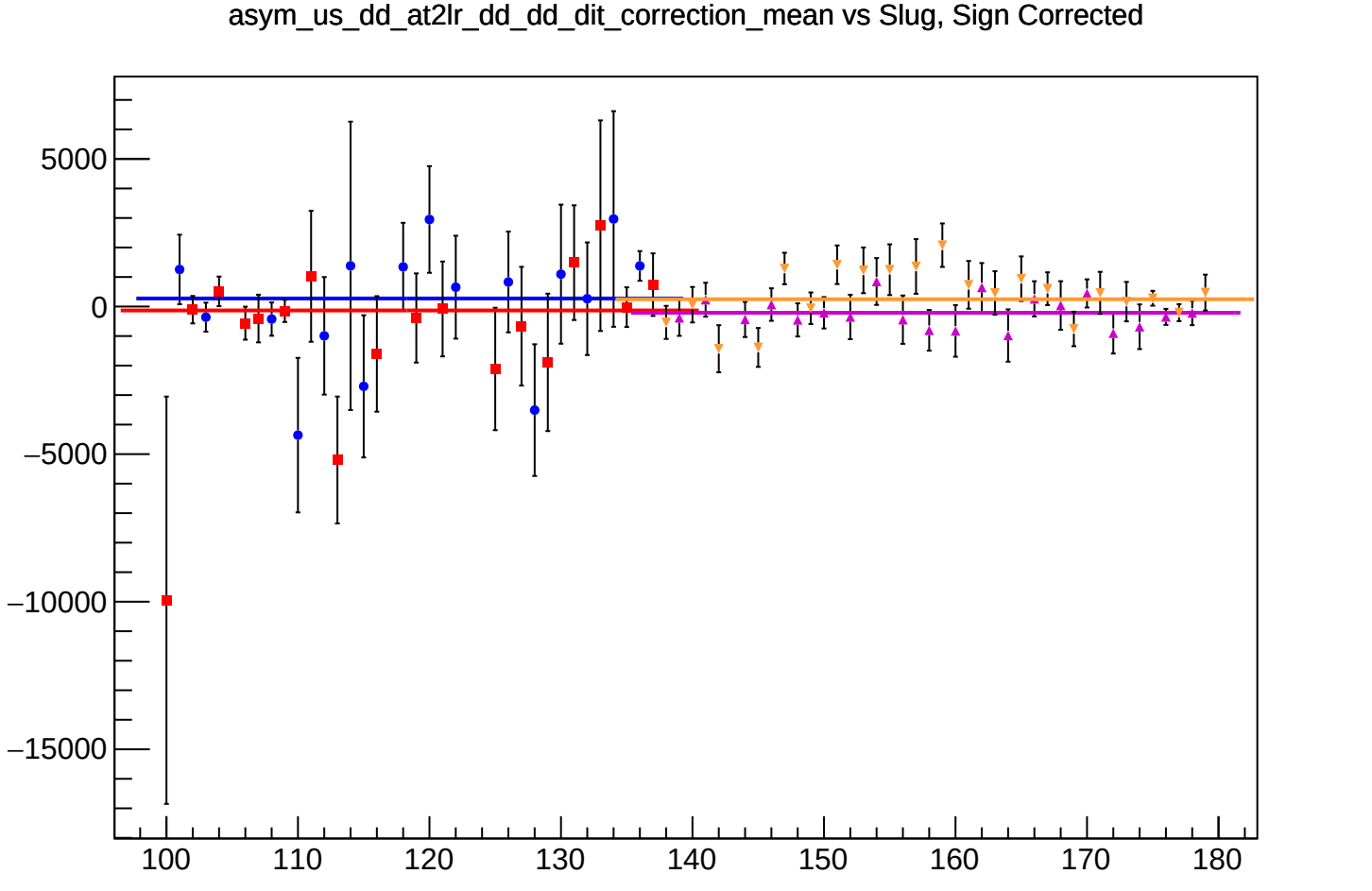
Left: 1591.239+/-0.196 χ^2/NDF: 216067.8/40

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1542.704+/-0.226 χ^2/NDF:679812.0/35

Out: 1539.104+/-0.225 χ^2/NDF:547587.0/38

All: 1540.890+/-0.159 χ^2/NDF: 1227526.3/74



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 247.262+/-118.351 χ^2/NDF:38.0/20

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -210.437+/-127.514 χ^2/NDF:10.5/19

Left: 35.446+/-86.746 χ^2/NDF: 55.4/40

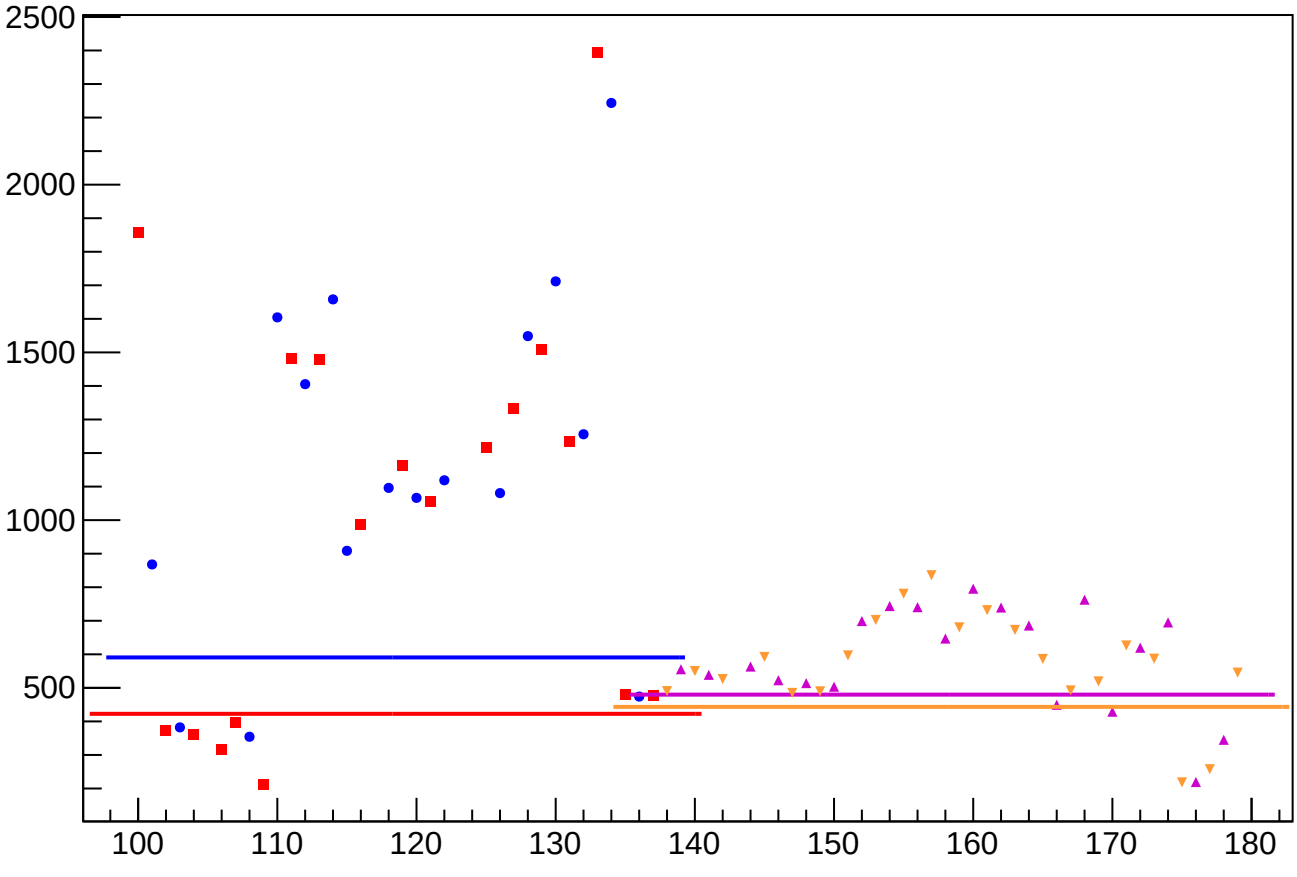
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -116.928+/-114.532 χ^2/NDF:33.5/35

Out: 145.722+/-101.305 χ^2/NDF:55.2/38

All: 30.434+/-75.881 χ^2/NDF: 91.6/74

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 443.312+/-0.084 χ^2/NDF:4729575.3/20

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 479.848+/-0.090 χ^2/NDF:3960666.2/19

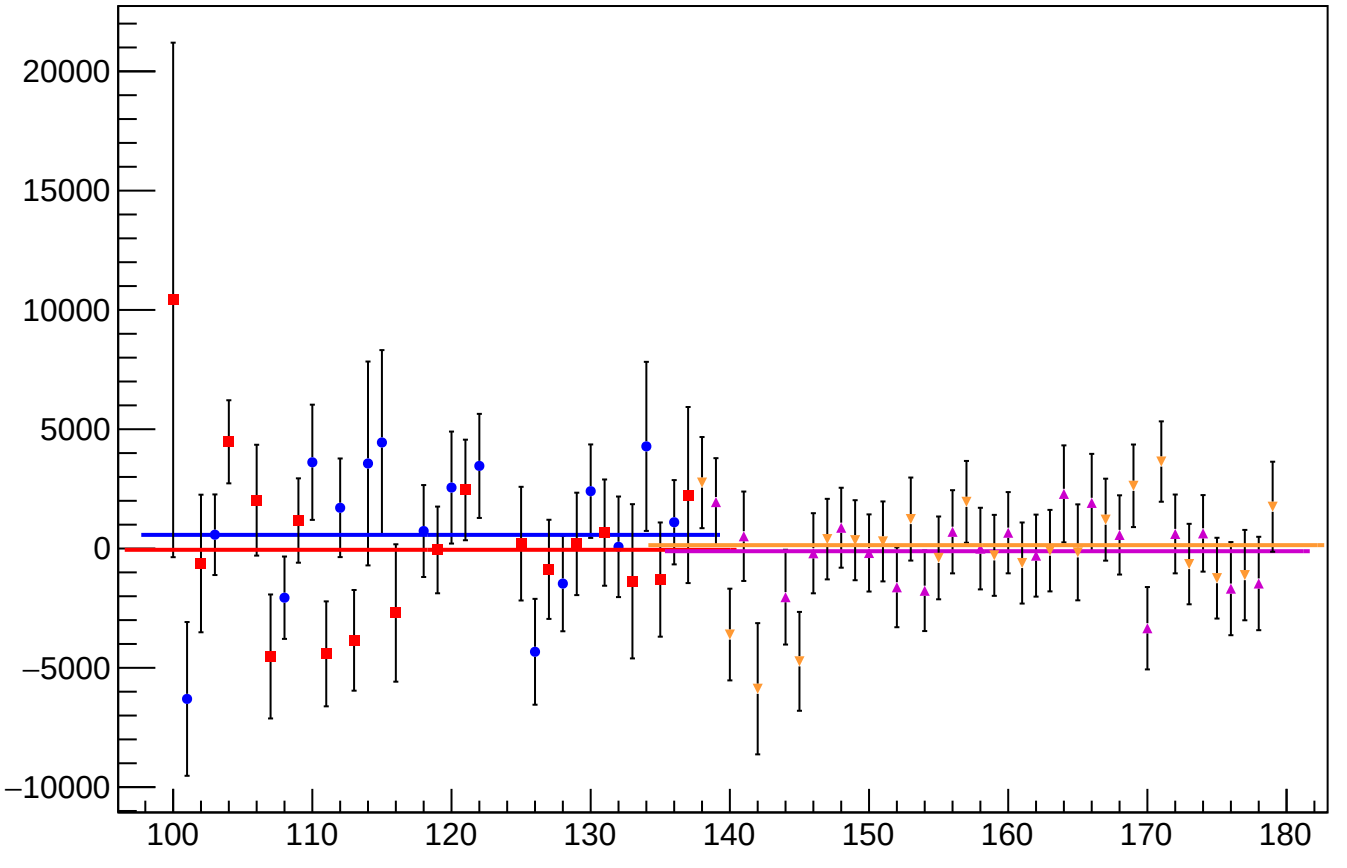
Left: 460.220+/-0.061 χ^2/NDF: 8778451.5/40

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 501.280+/-0.081 χ^2/NDF:8138516.5/35

Out: 437.782+/-0.072 χ^2/NDF:9603918.5/38

All: 465.654+/-0.054 χ^2/NDF: 18087332.1/74



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 141.443+/-390.896 χ^2/NDF:26.8/20

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -112.520+/-393.935 χ^2/NDF:12.4/19

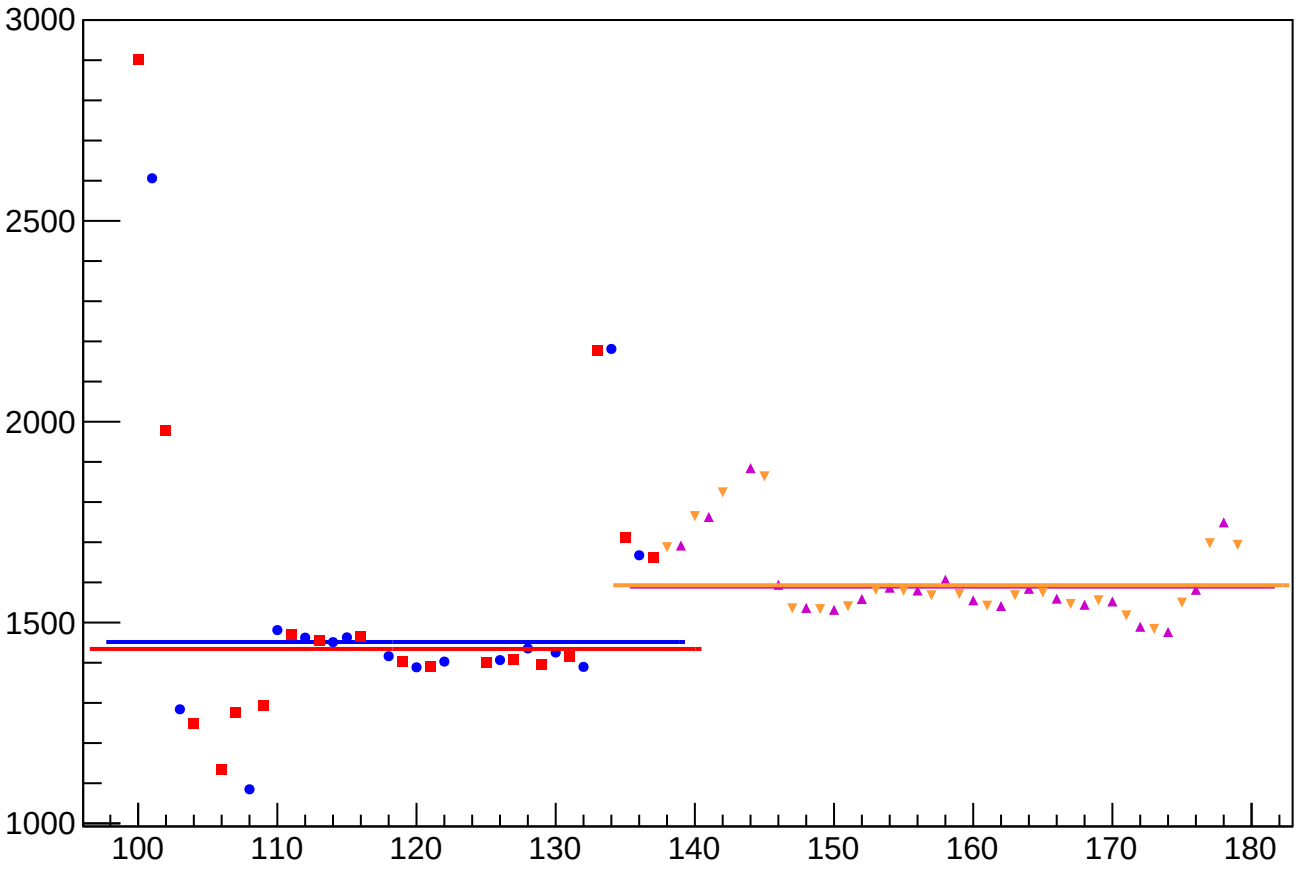
Left: 15.445+/-277.474 χ^2/NDF: 39.4/40

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 119.877+/-320.190 χ^2/NDF:34.2/35

Out: 75.194+/-317.711 χ^2/NDF:49.4/38

All: 97.362+/-225.527 χ^2/NDF: 83.6/74



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1592.938+/-0.276 χ^2/NDF:107229.0/20

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1589.513+/-0.279 χ^2/NDF:108763.6/19

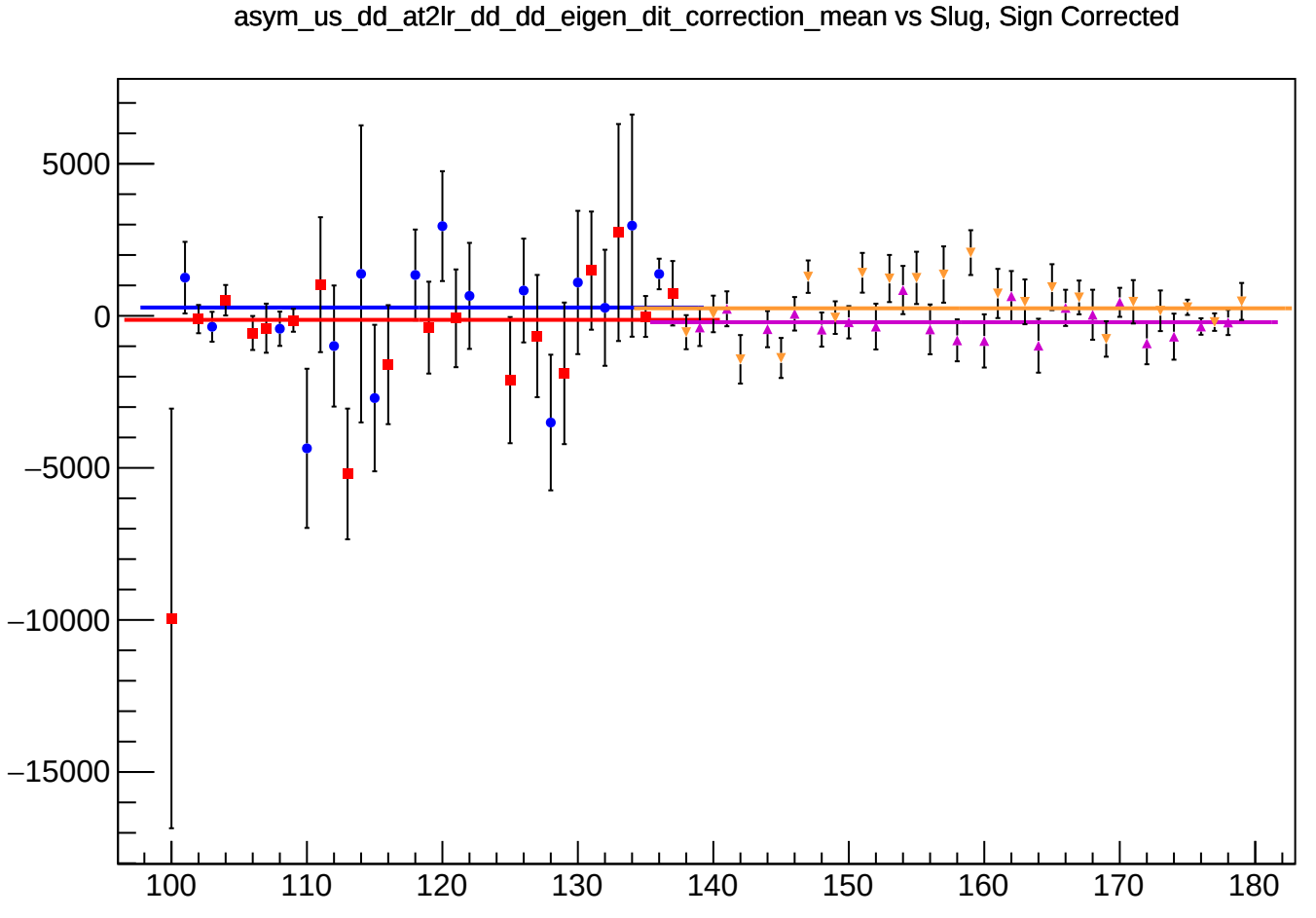
Left: 1591.239+/-0.196 χ^2/NDF: 216068.8/40

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1542.704+/-0.226 χ^2/NDF:679811.6/35

Out: 1539.104+/-0.225 χ^2/NDF:547587.3/38

All: 1540.890+/-0.159 χ^2/NDF: 1227526.3/74



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 247.268+/-118.352 χ^2/NDF:38.0/20

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -210.437+/-127.515 χ^2/NDF:10.5/19

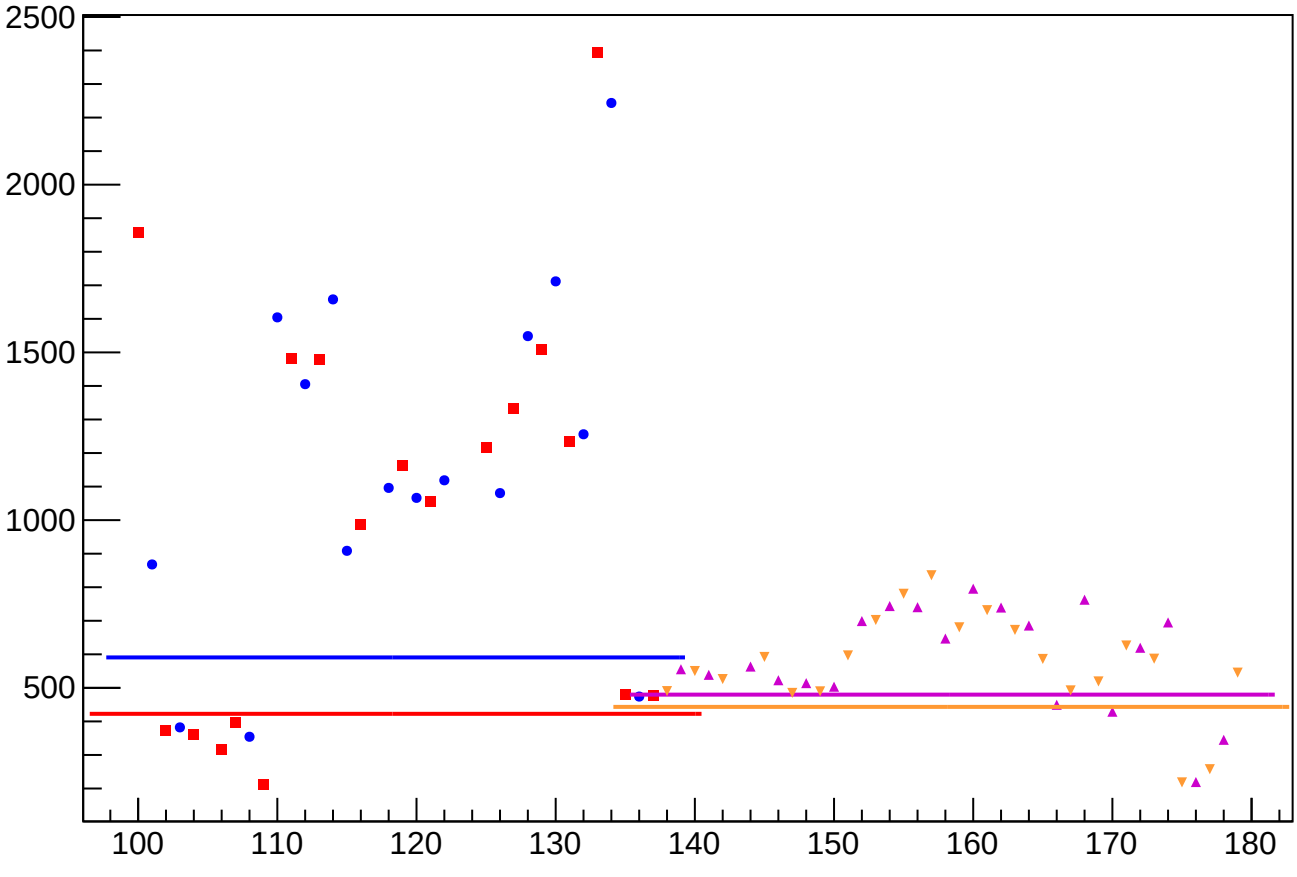
Left: 35.449+/-86.746 χ^2/NDF: 55.4/40

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -116.930+/-114.533 χ^2/NDF:33.5/35

Out: 145.728+/-101.305 χ^2/NDF:55.2/38

All: 30.436+/-75.881 χ^2/NDF: 91.6/74



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 443.315+/-0.084 χ^2/NDF:4729431.9/20

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 479.851+/-0.090 χ^2/NDF:3960577.8/19

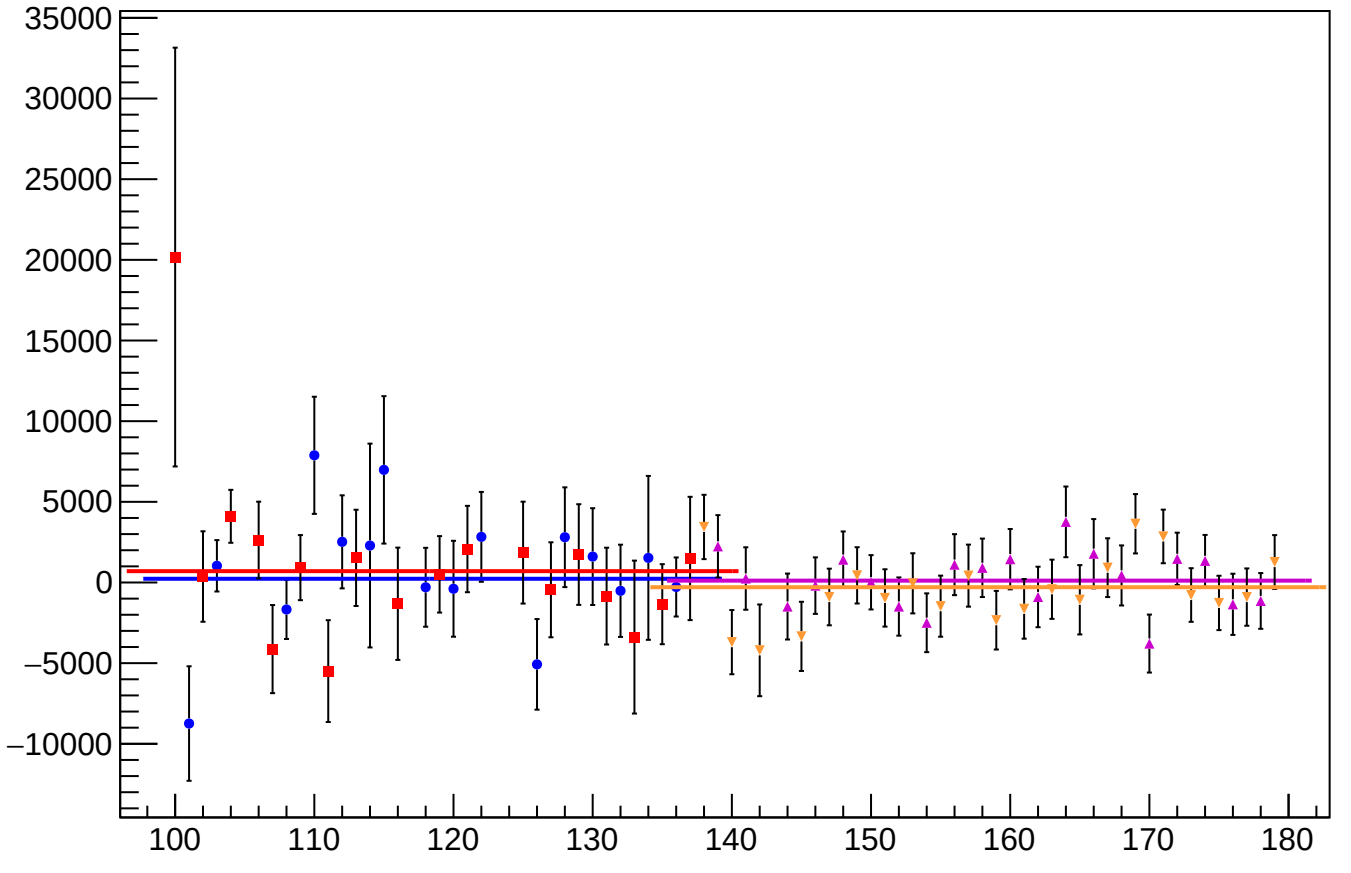
Left: 460.223+/-0.061 χ^2/NDF: 8778211.6/40

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 501.281+/-0.081 χ^2/NDF:8138434.6/35

Out: 437.787+/-0.072 χ^2/NDF:9603690.4/38

All: 465.657+/-0.054 χ^2/NDF: 18086991.0/74



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -292.641+/-404.520 χ^2/NDF:23.3/20

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 115.611+/-410.105 χ^2/NDF:17.0/19

Left: -91.313+/-287.993 χ^2/NDF: 40.8/40

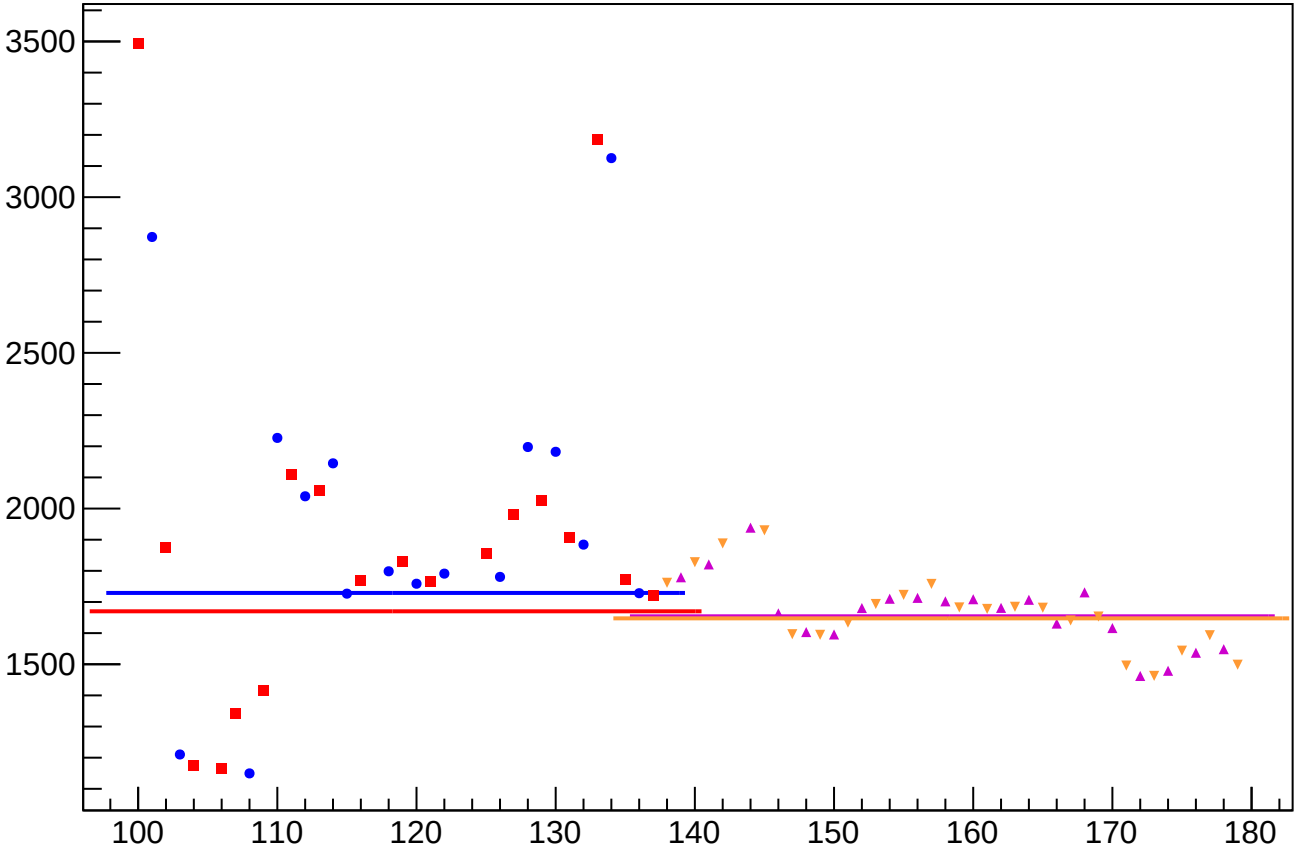
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 147.252+/-349.243 χ^2/NDF:37.8/35

Out: -13.845+/-343.194 χ^2/NDF:42.0/38

All: 65.296+/-244.786 χ^2/NDF: 79.9/74

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1647.413+/-0.286 χ^2/NDF:156096.1/20

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1654.023+/-0.290 χ^2/NDF:146401.5/19

Left: 1650.673+/-0.204 χ^2/NDF: 302761.0/40

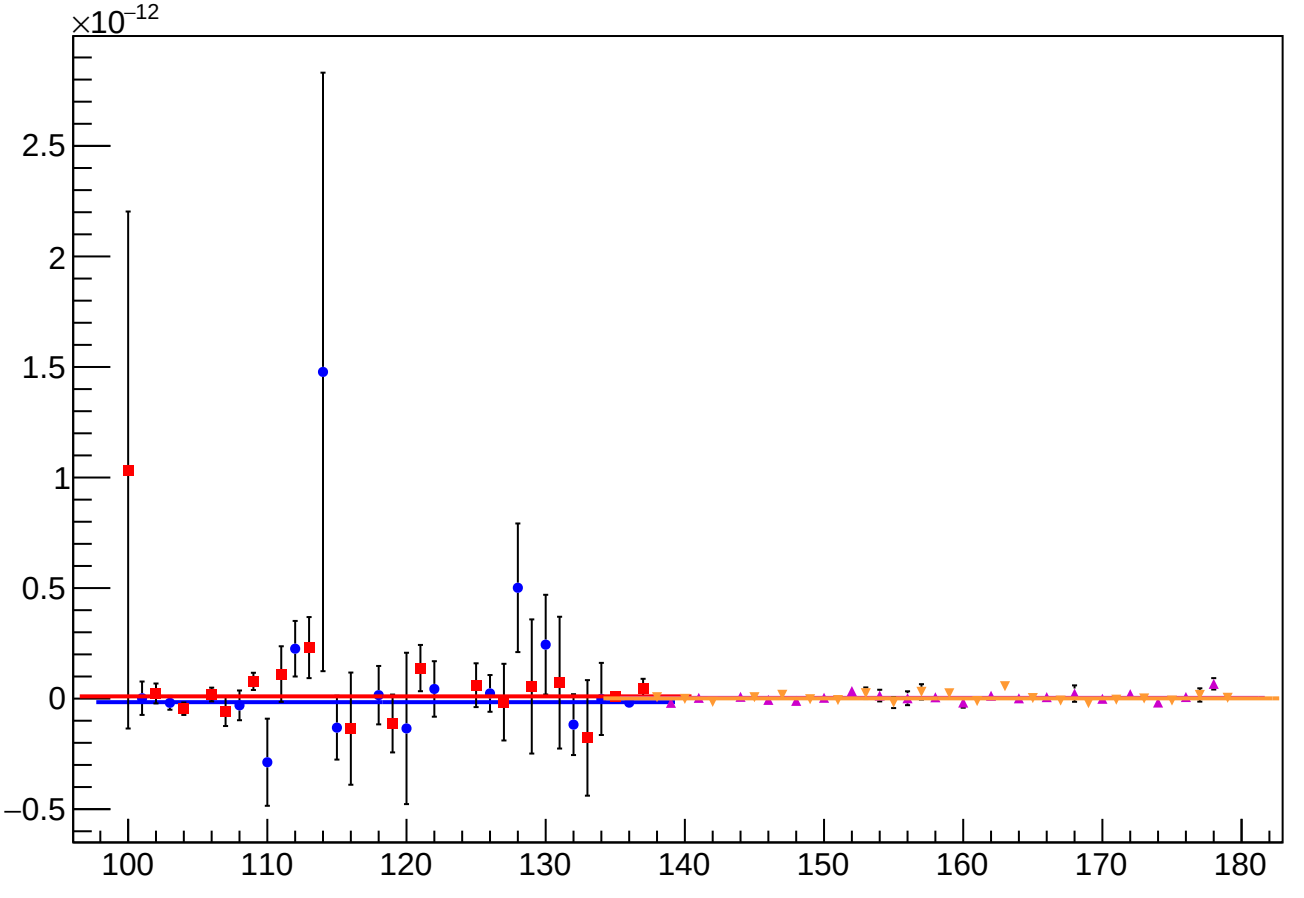
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1674.640+/-0.247 χ^2/NDF:1106873.9/35

Out: 1653.758+/-0.243 χ^2/NDF:902304.2/38

All: 1664.016+/-0.173 χ^2/NDF: 2012815.6/74

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:18.1/19

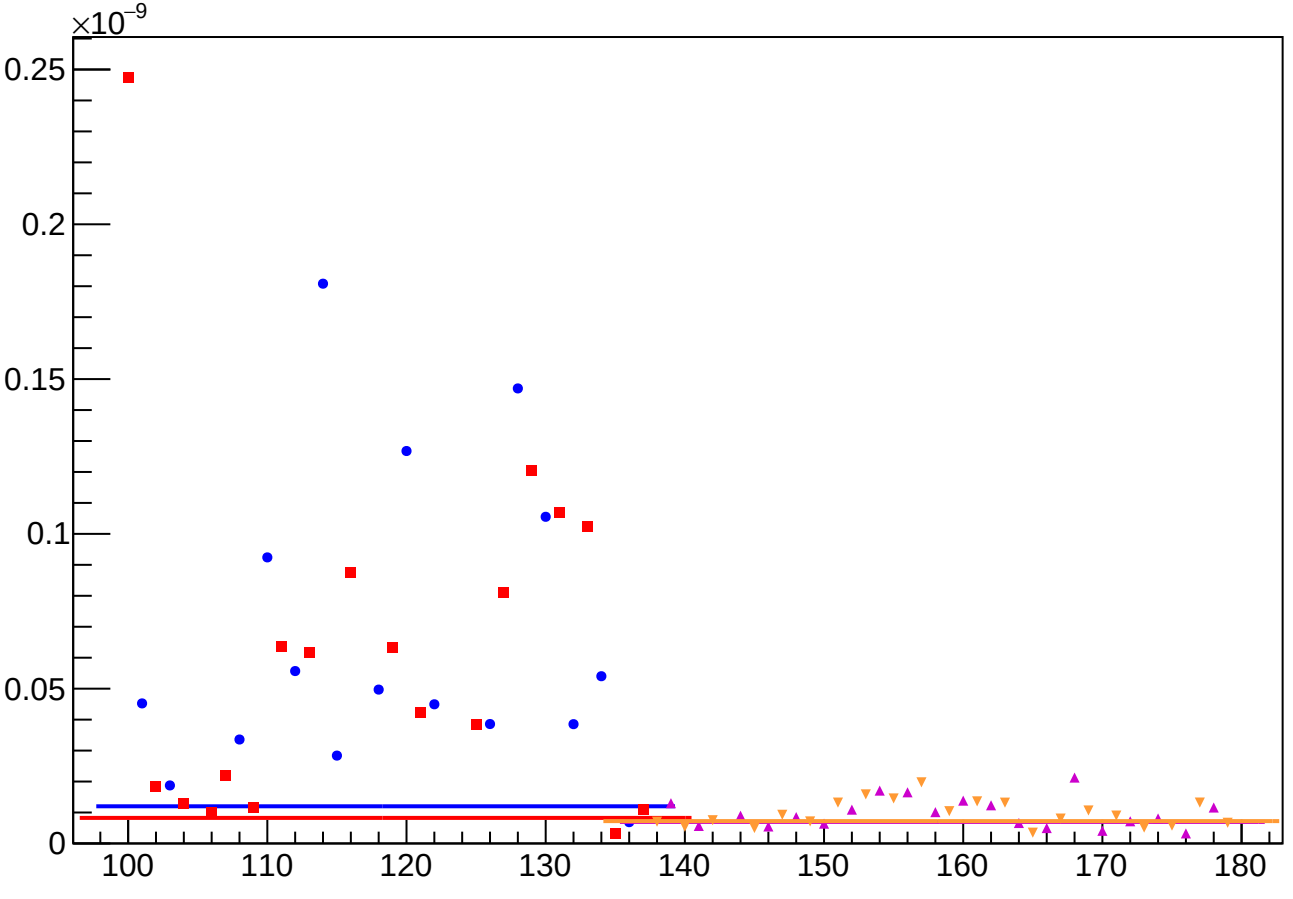
Left: 0.000+/-0.000 χ^2/NDF: 35.1/40

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:34.7/35

Out: 0.000+/-0.000 χ^2/NDF:34.1/38

All: 0.000+/-0.000 χ^2/NDF: 68.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2045721.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2335823.4/19

Left: 0.000+/-0.000 χ^2/NDF: 4389073.7/40

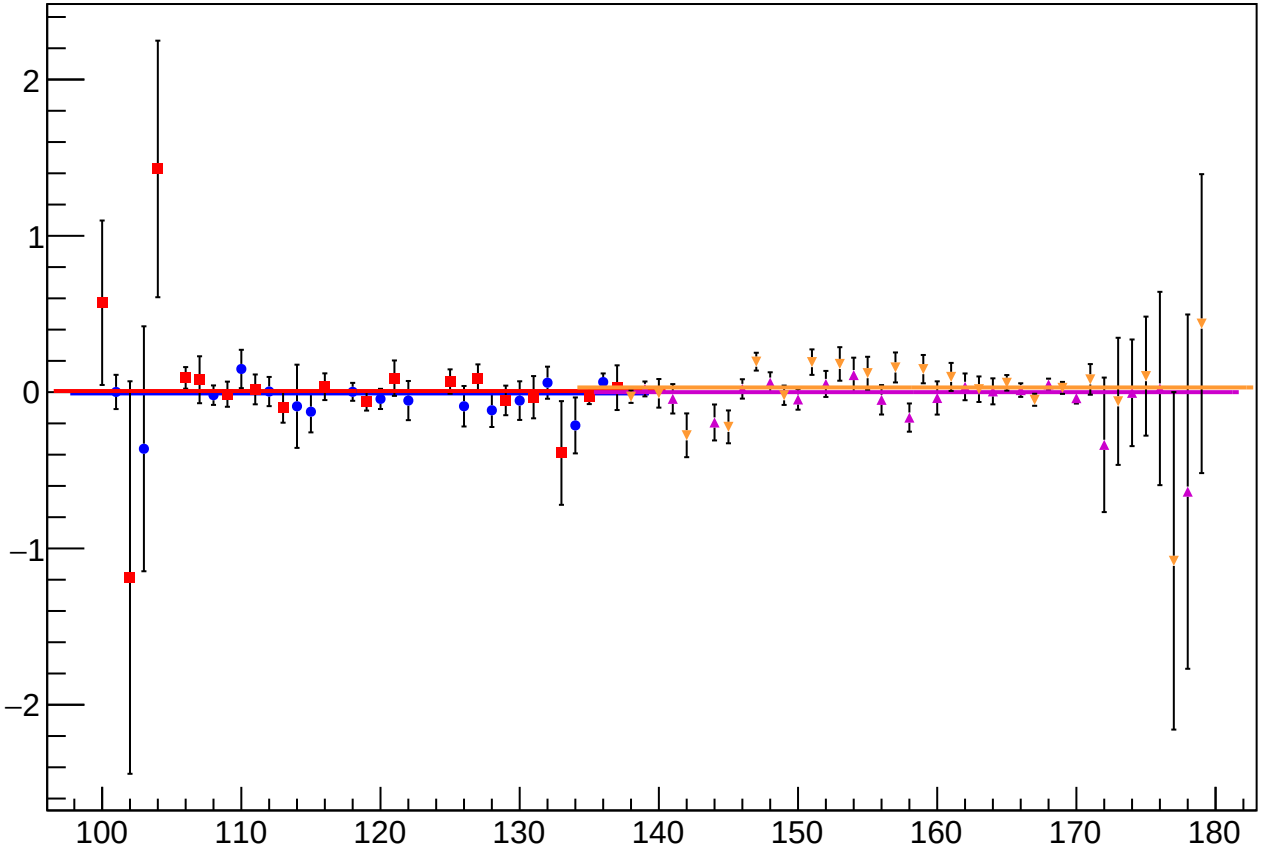
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6207879.5/35

Out: 0.000+/-0.000 χ^2/NDF:5581129.8/38

All: 0.000+/-0.000 χ^2/NDF: 11789113.3/74

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.6/40

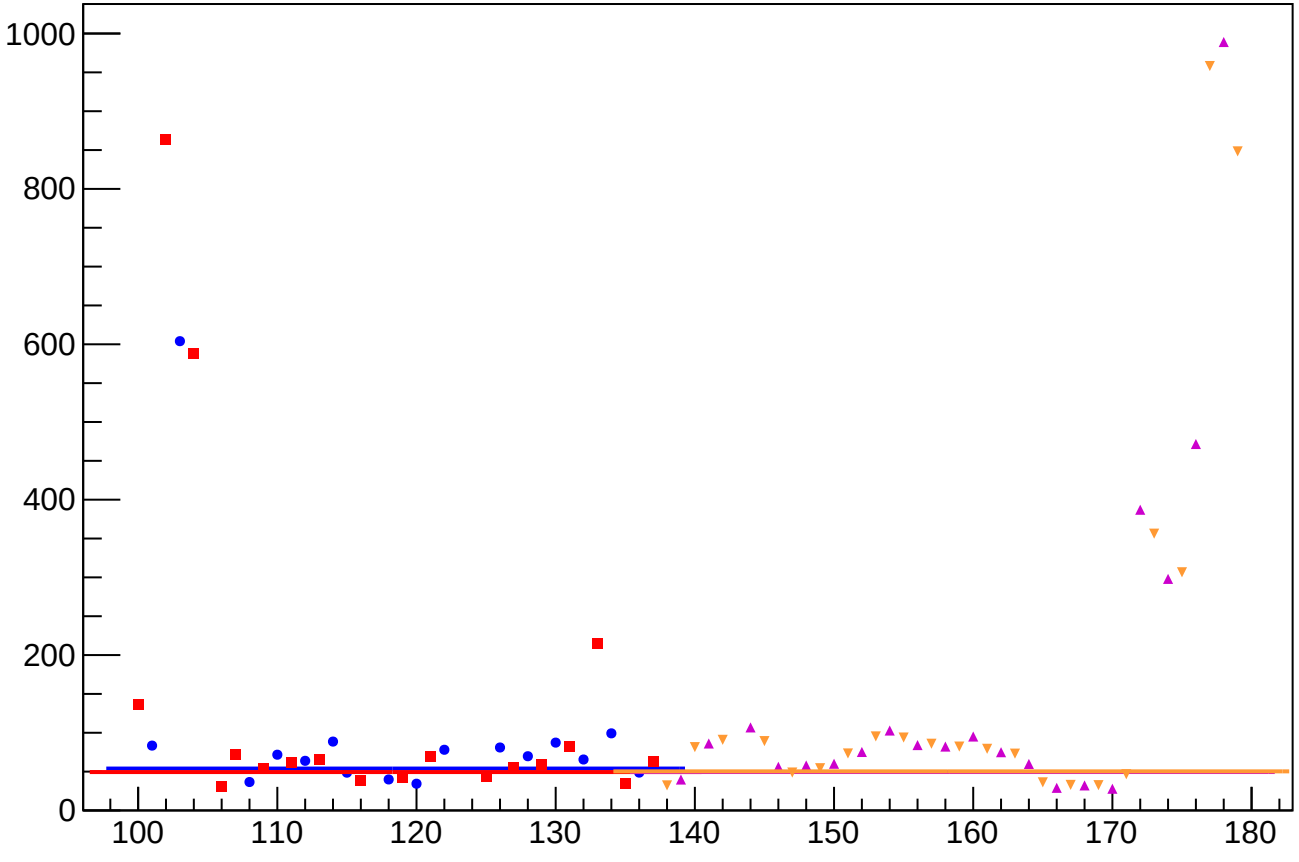
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 77.4/74

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.314+/-0.011 χ^2/NDF:8687036.8/20

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.461+/-0.011 χ^2/NDF:9003123.3/19

Left: 49.882+/-0.008 χ^2/NDF: 17693236.7/40

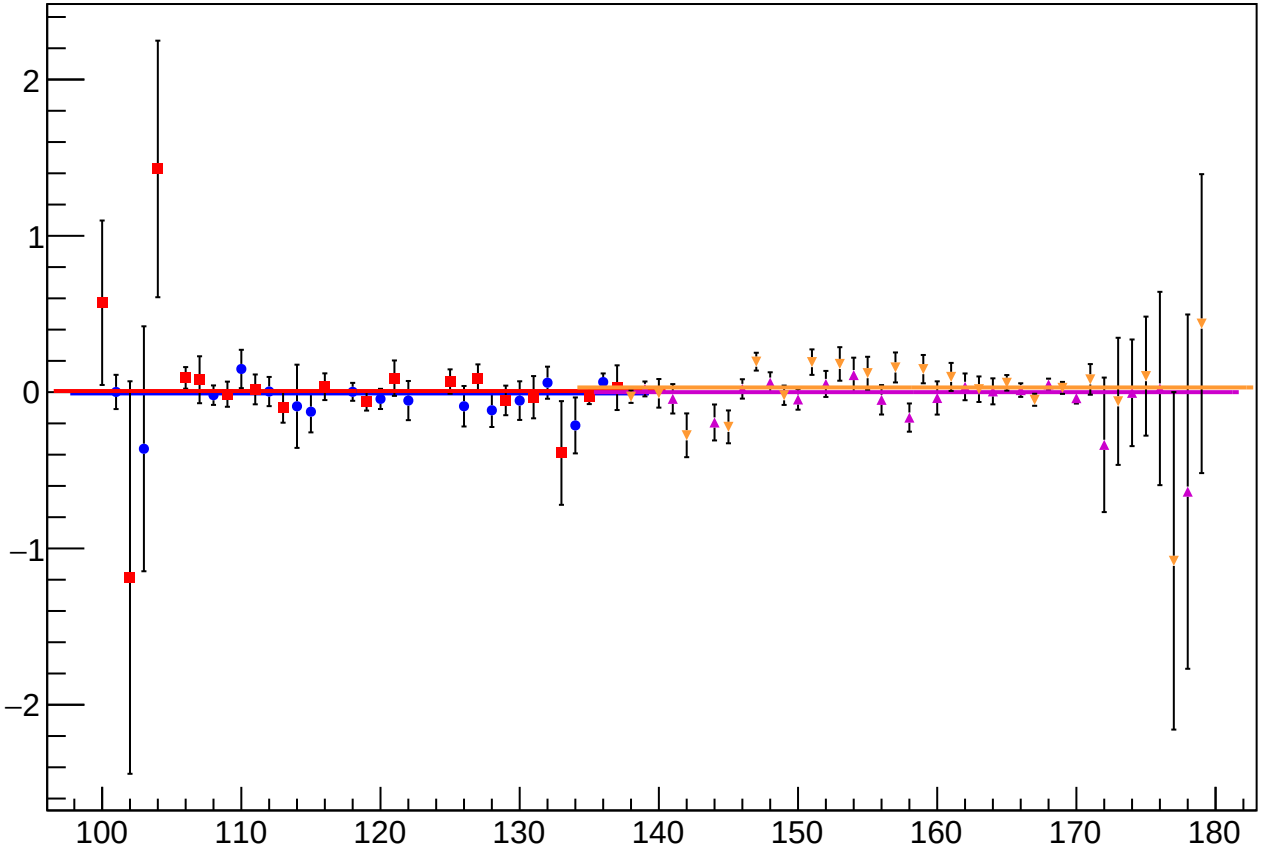
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.818+/-0.009 χ^2/NDF:11269444.4/35

Out: 50.022+/-0.009 χ^2/NDF:11706936.2/38

All: 50.419+/-0.006 χ^2/NDF: 22980301.9/74

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.6/40

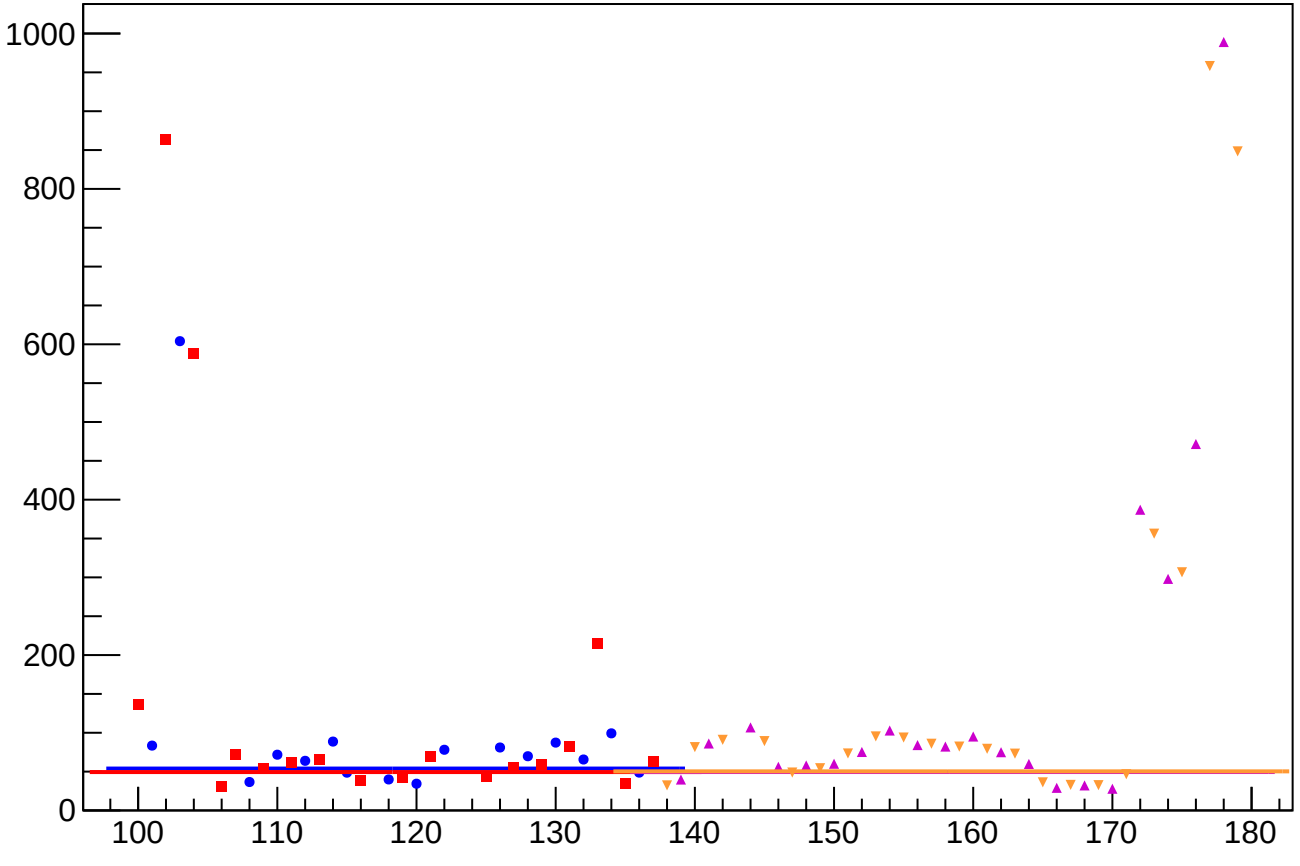
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 77.4/74

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 50.314+/-0.011 χ^2/NDF:8687036.8/20

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.461+/-0.011 χ^2/NDF:9003123.3/19

Left: 49.882+/-0.008 χ^2/NDF: 17693236.7/40

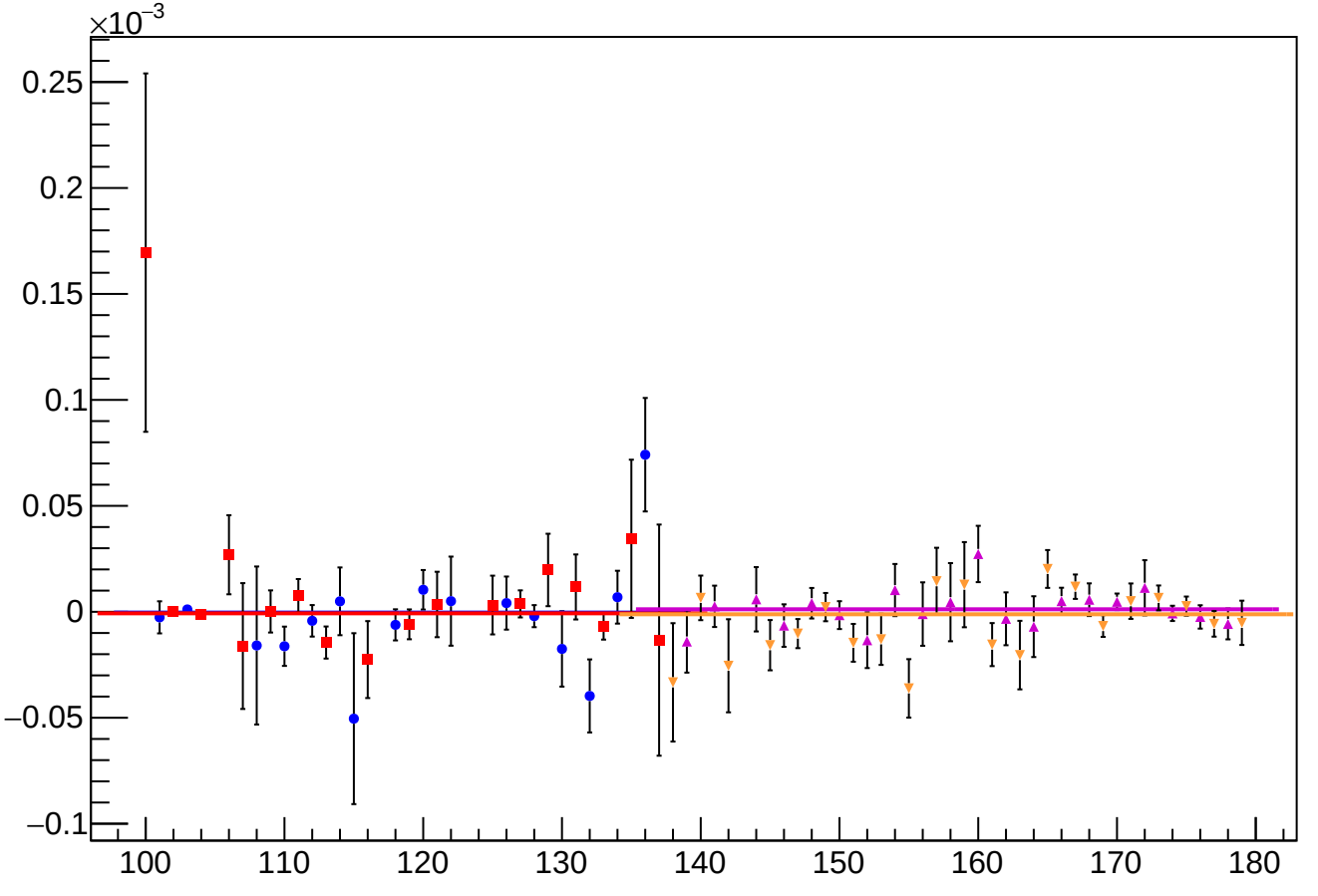
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.818+/-0.009 χ^2/NDF:11269444.4/35

Out: 50.022+/-0.009 χ^2/NDF:11706936.2/38

All: 50.419+/-0.006 χ^2/NDF: 22980301.9/74

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/19

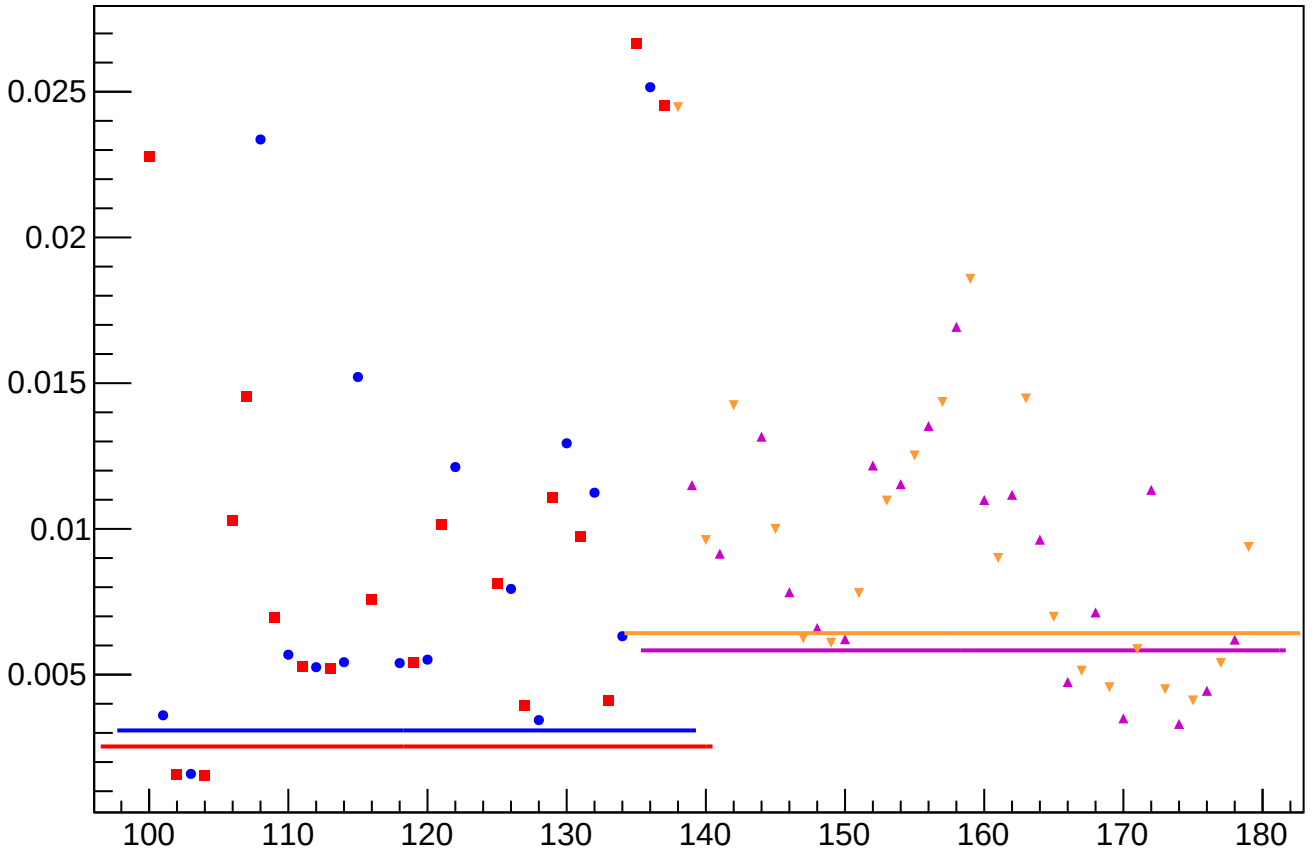
Left: 0.000+/-0.000 χ^2/NDF: 49.8/40

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:34.6/35

Out: -0.000+/-0.000 χ^2/NDF:54.8/38

All: -0.000+/-0.000 χ^2/NDF: 90.0/74



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5379126.4/20

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6366903.1/19

Left: 0.006+/-0.000 χ^2/NDF: 11862052.1/40

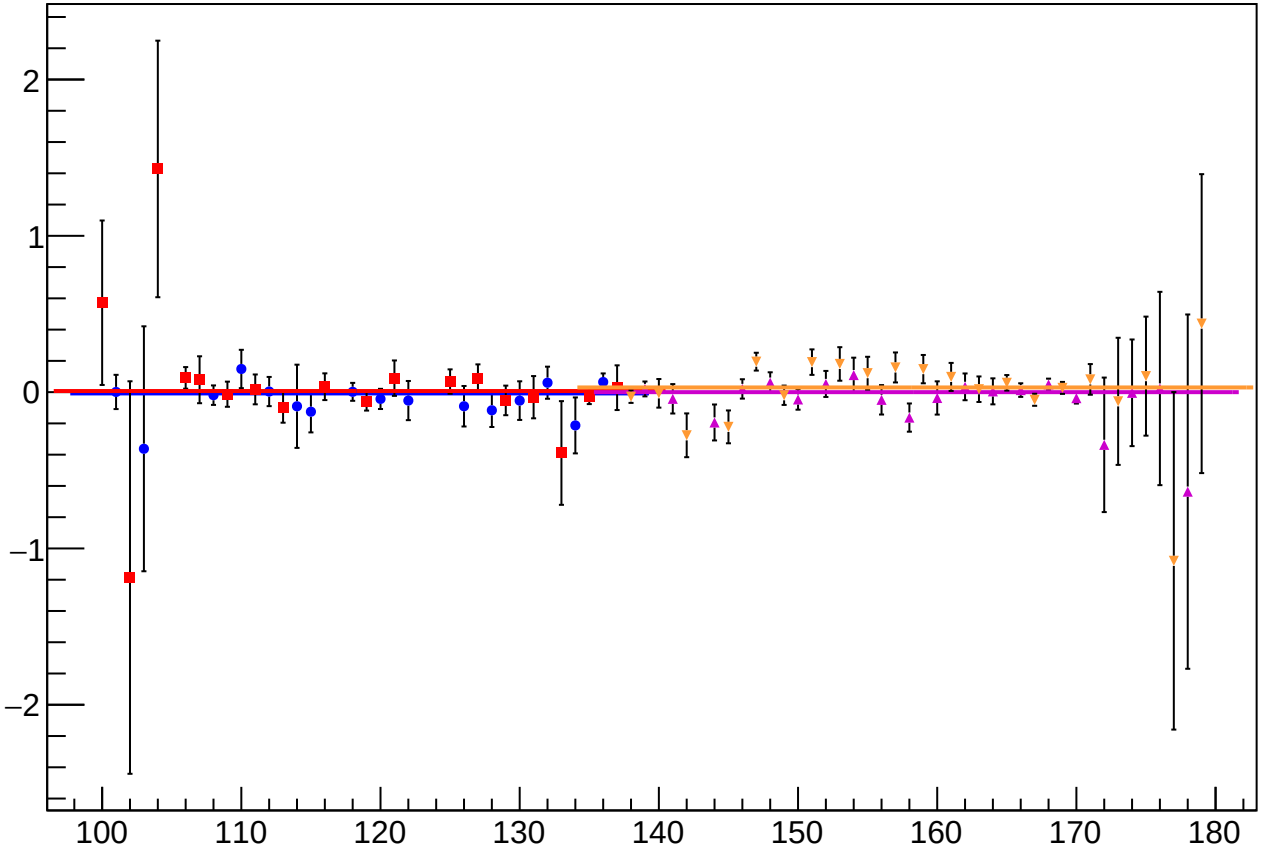
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14902262.5/35

Out: 0.004+/-0.000 χ^2/NDF:17965466.4/38

All: 0.004+/-0.000 χ^2/NDF: 33118946.3/74

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.6/40

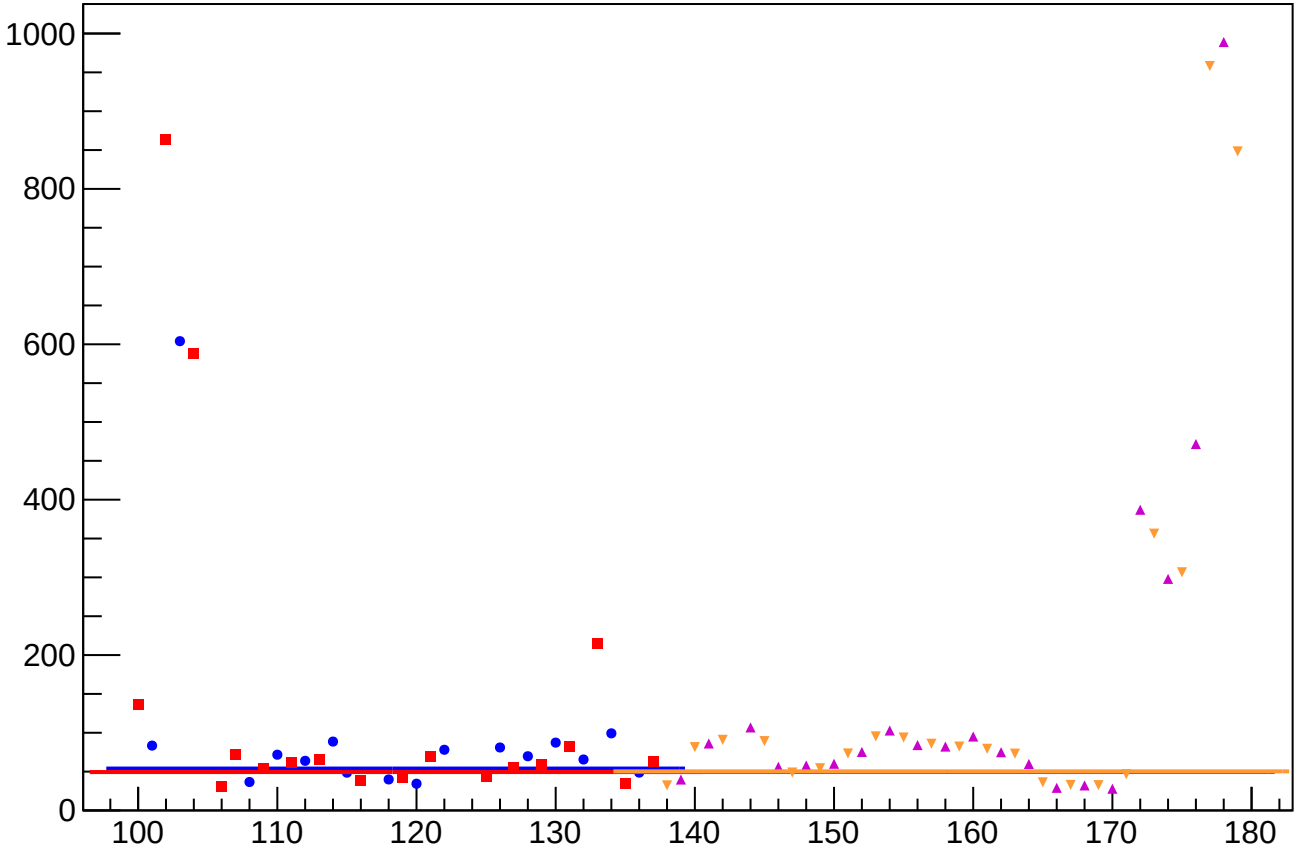
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 77.4/74

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.316+/-0.011 χ^2/NDF:8686233.4/20

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.461+/-0.011 χ^2/NDF:9003064.3/19

Left: 49.883+/-0.008 χ^2/NDF: 17692391.3/40

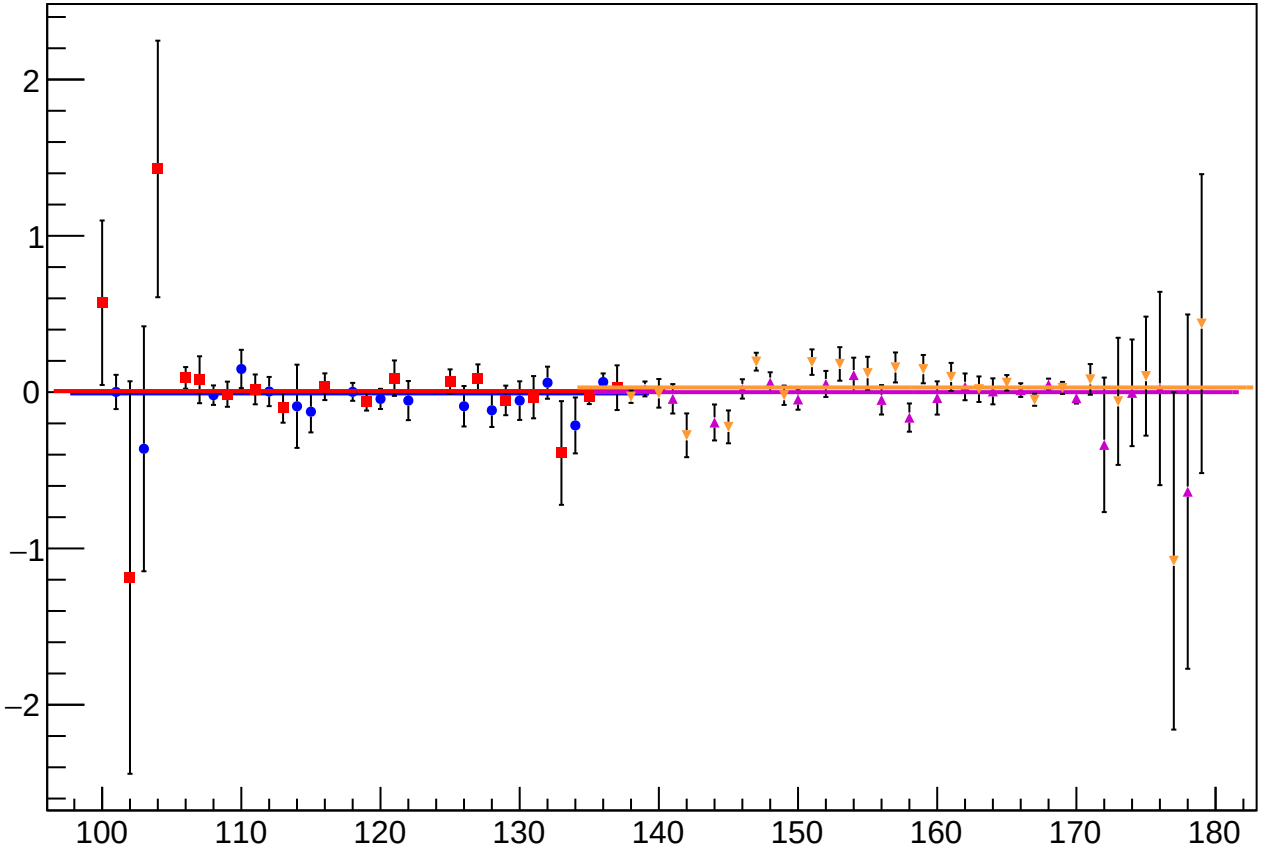
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.819+/-0.009 χ^2/NDF:11269060.9/35

Out: 50.024+/-0.009 χ^2/NDF:11705855.4/38

All: 50.421+/-0.006 χ^2/NDF: 22978824.3/74

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.8/20

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.6/40

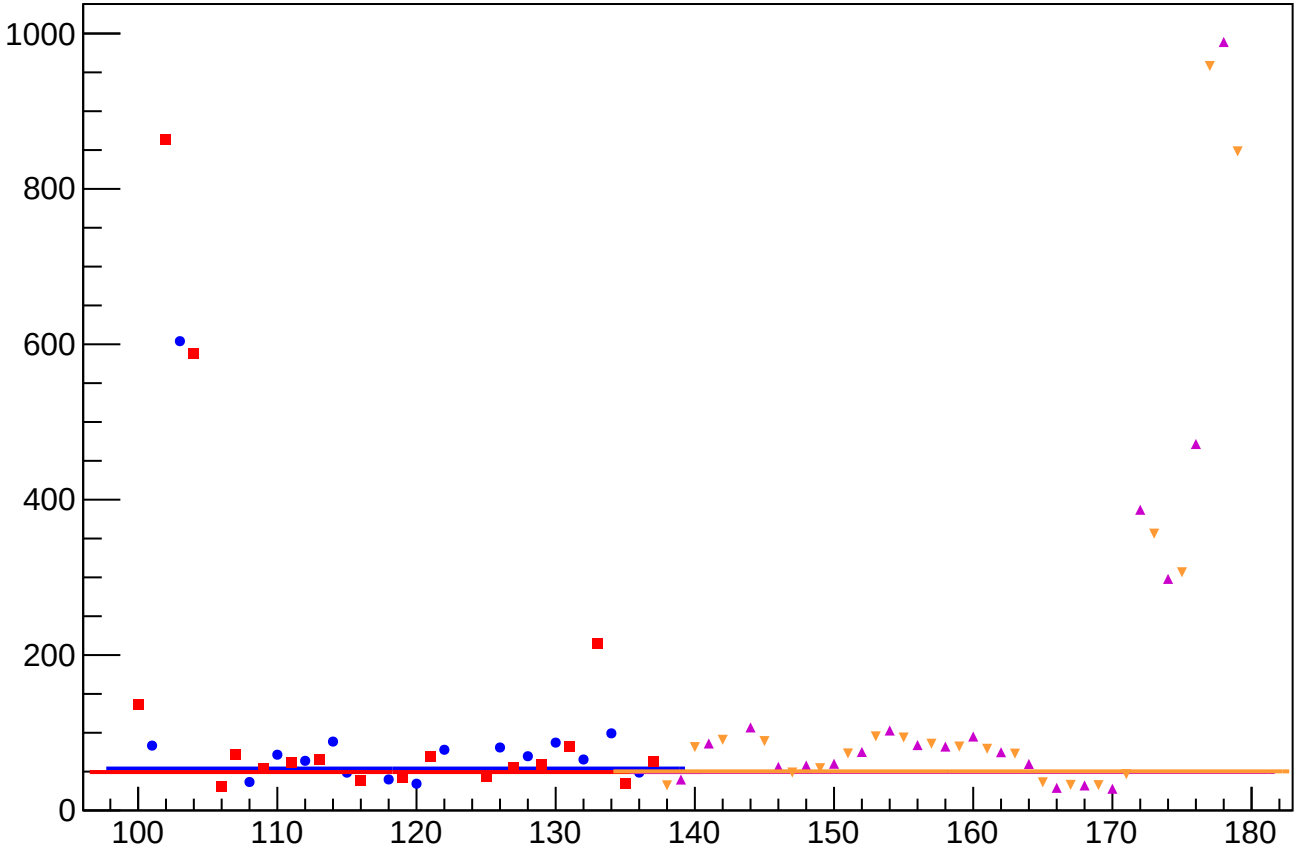
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.023+/-0.013 χ^2/NDF:53.2/38

All: 0.010+/-0.009 χ^2/NDF: 77.4/74

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 50.316+/-0.011 χ^2/NDF:8686233.4/20

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.461+/-0.011 χ^2/NDF:9003064.3/19

Left: 49.883+/-0.008 χ^2/NDF: 17692391.3/40

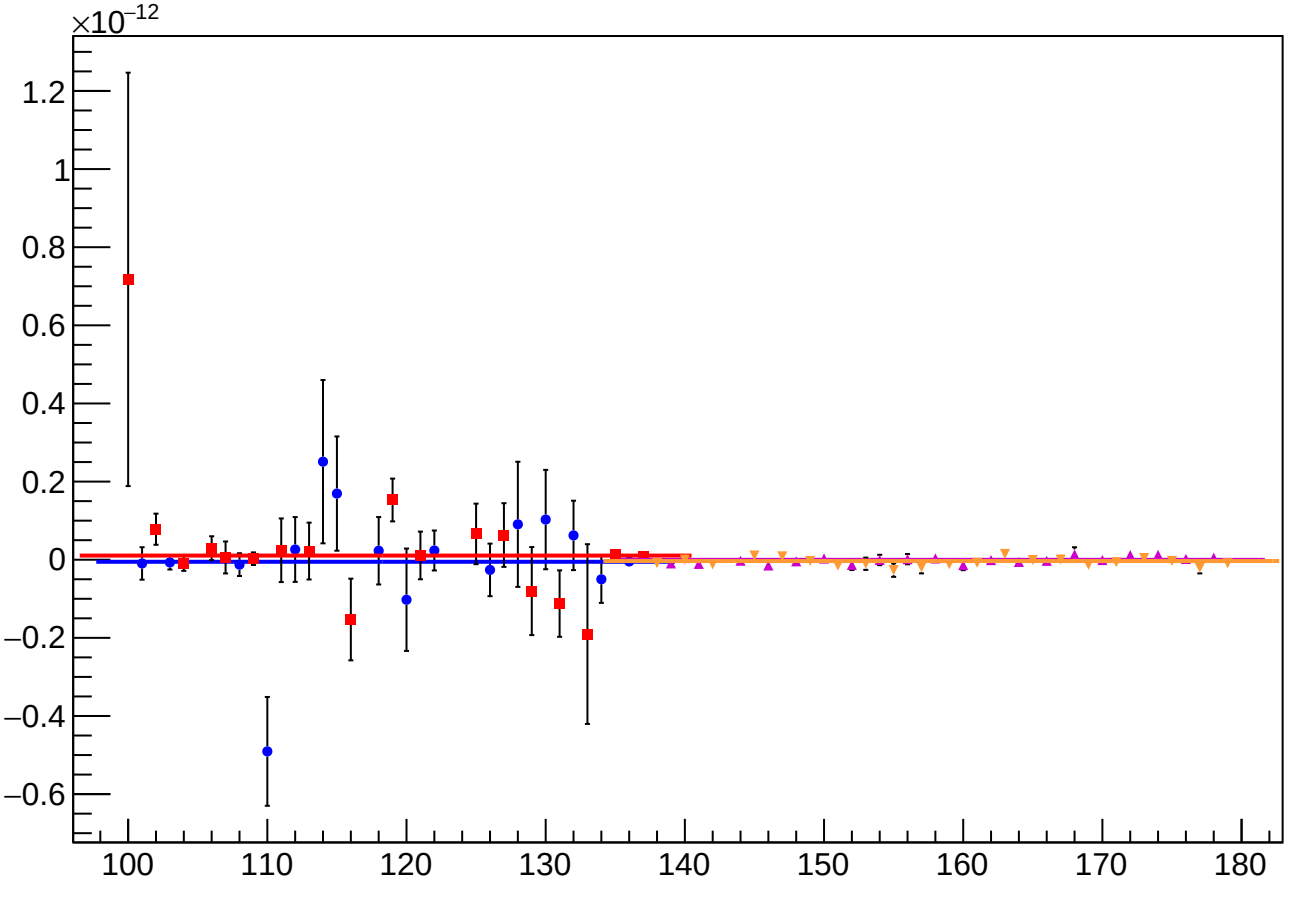
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.819+/-0.009 χ^2/NDF:11269060.9/35

Out: 50.024+/-0.009 χ^2/NDF:11705855.4/38

All: 50.421+/-0.006 χ^2/NDF: 22978824.3/74

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:17.4/19

Left: -0.000+/-0.000 χ^2/NDF: 38.0/40

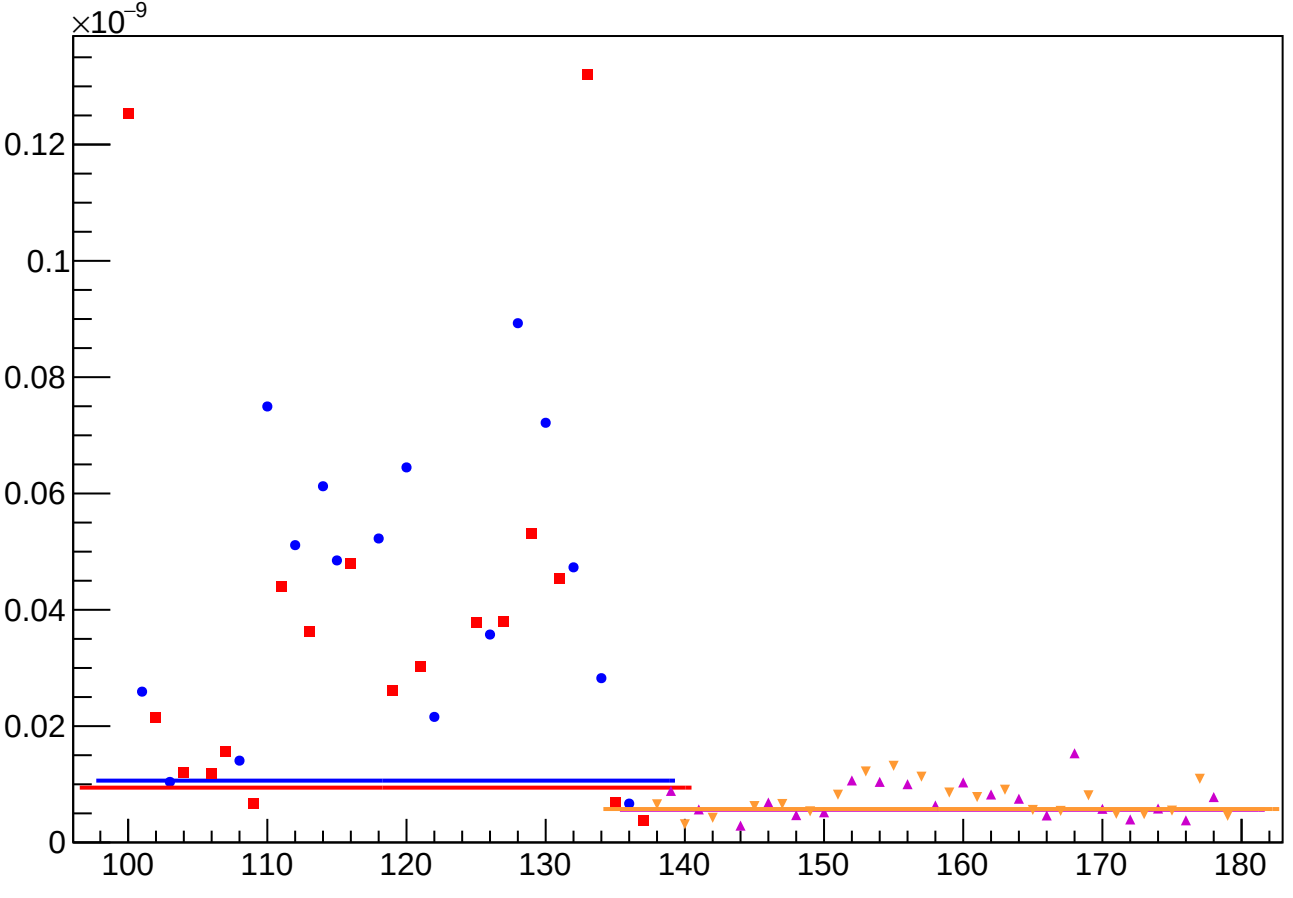
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: -0.000+/-0.000 χ^2/NDF:43.7/38

All: -0.000+/-0.000 χ^2/NDF: 80.6/74

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2723114.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:3131953.1/19

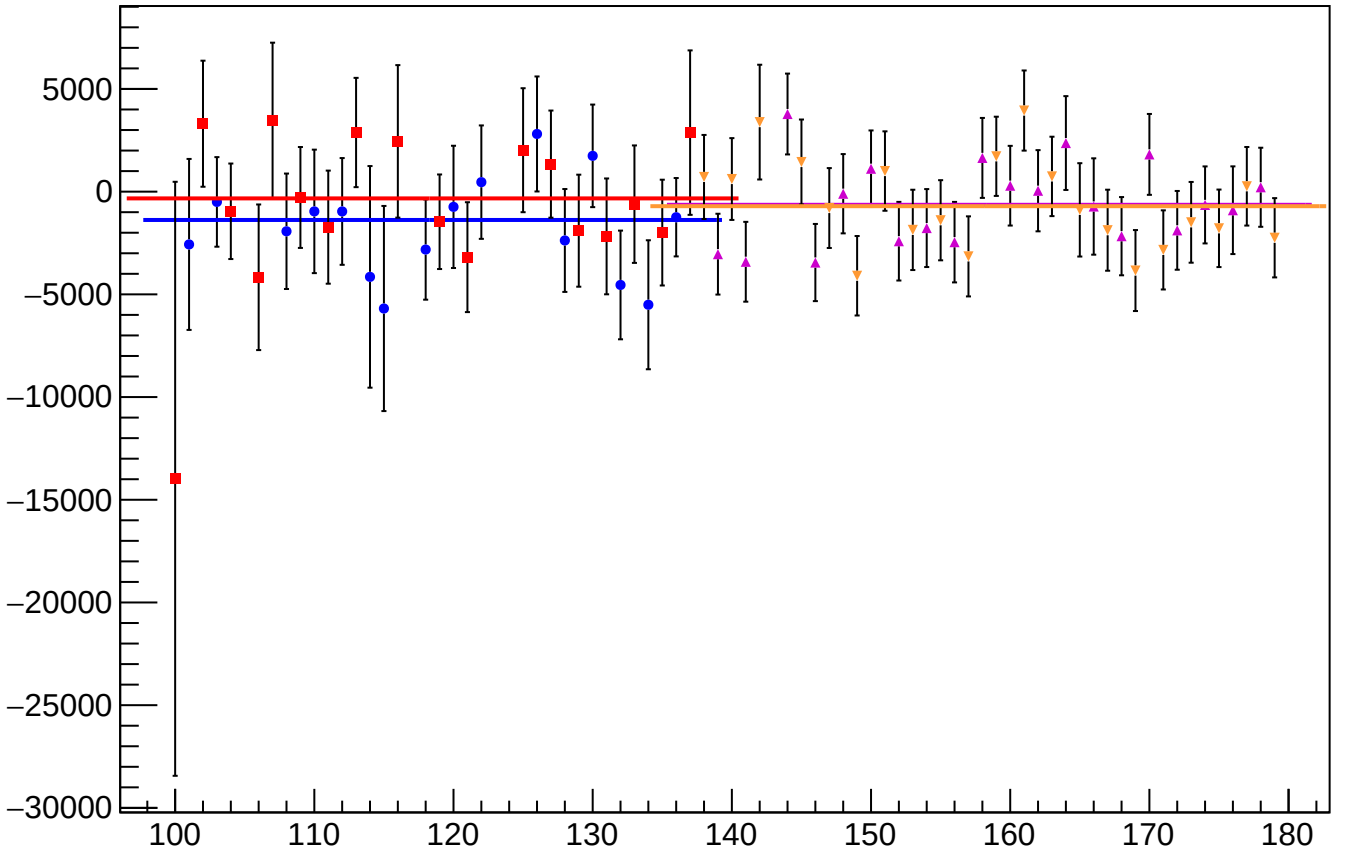
Left: 0.000+/-0.000 χ^2/NDF: 5859916.6/40

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8692158.0/35

Out: 0.000+/-0.000 χ^2/NDF:7353969.5/38

All: 0.000+/-0.000 χ^2/NDF: 16047496.1/74



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -708.022+/-434.431 χ^2/NDF:23.4/20

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -640.594+/-439.746 χ^2/NDF:20.1/19

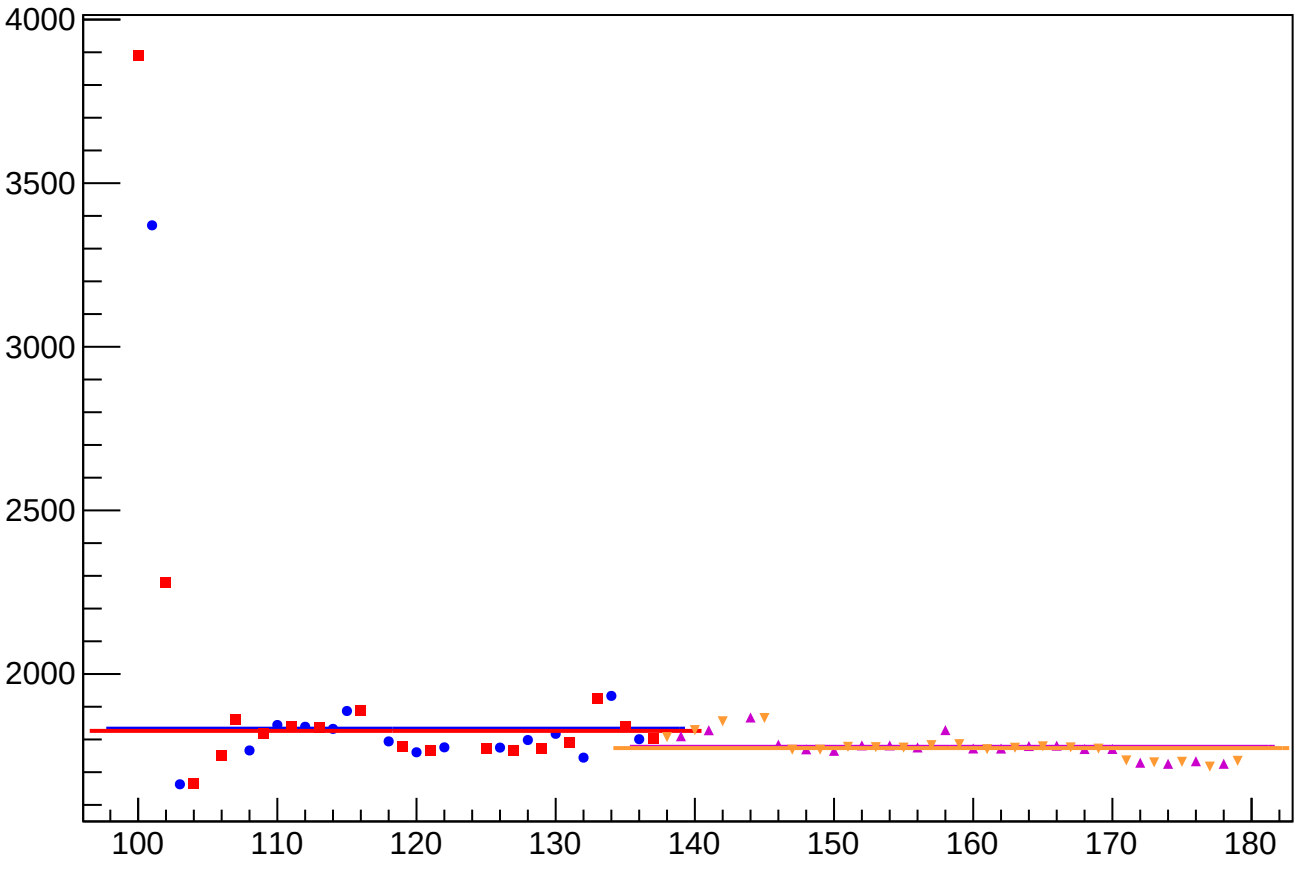
Left: -674.718+/-309.051 χ^2/NDF: 43.5/40

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -854.238+/-370.687 χ^2/NDF:30.3/35

Out: -598.983+/-366.700 χ^2/NDF:34.6/38

All: -725.231+/-260.694 χ^2/NDF: 65.1/74



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

Left: 1775.569+/-0.219 χ^2/NDF: 26084.6/40

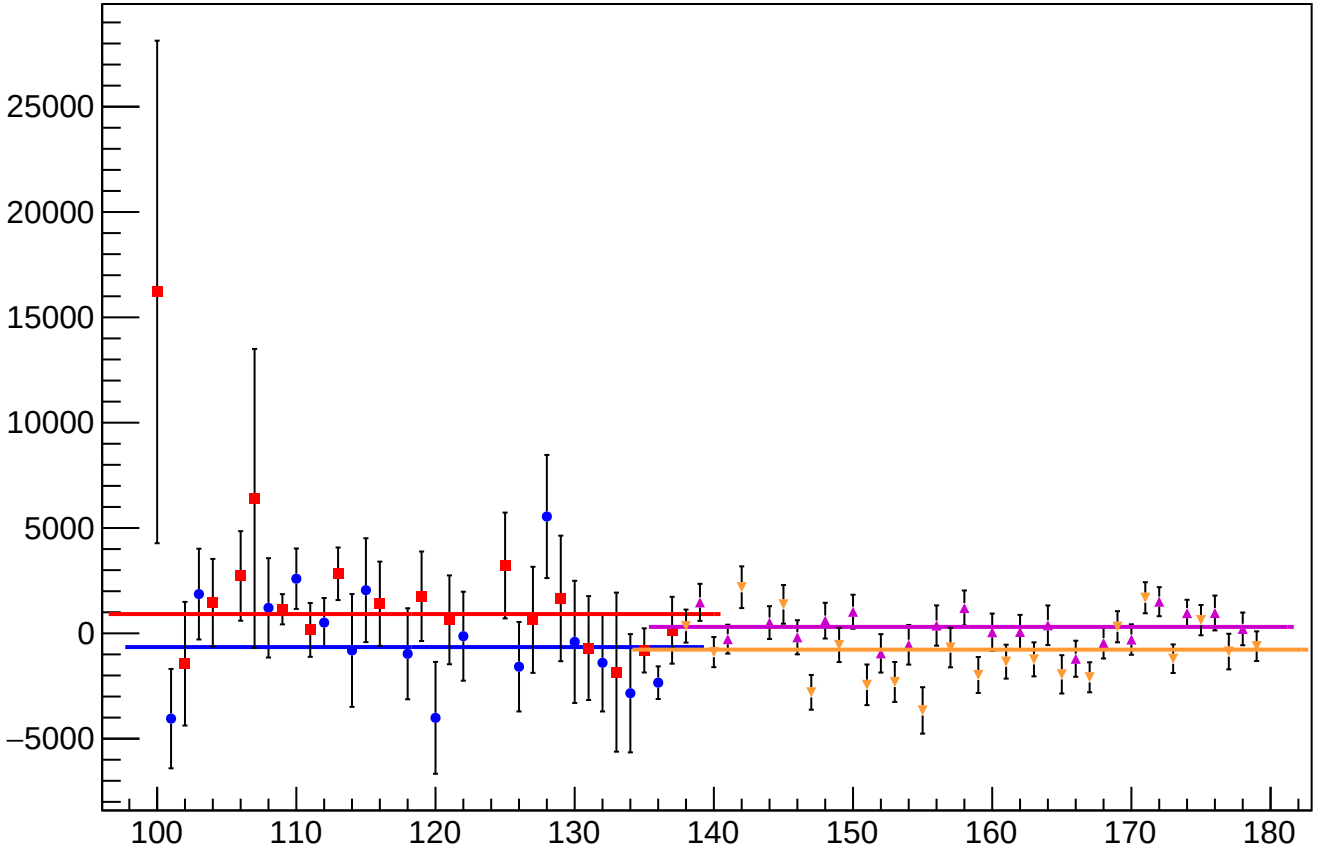
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1793.588+/-0.262 χ^2/NDF:317417.1/35

Out: 1788.746+/-0.259 χ^2/NDF:124639.7/38

All: 1791.141+/-0.184 χ^2/NDF: 442229.2/74

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -773.283+/-177.503 χ^2/NDF:60.5/20

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 305.958+/-179.091 χ^2/NDF:17.5/19

Left: -238.470+/-126.071 χ^2/NDF: 96.3/40

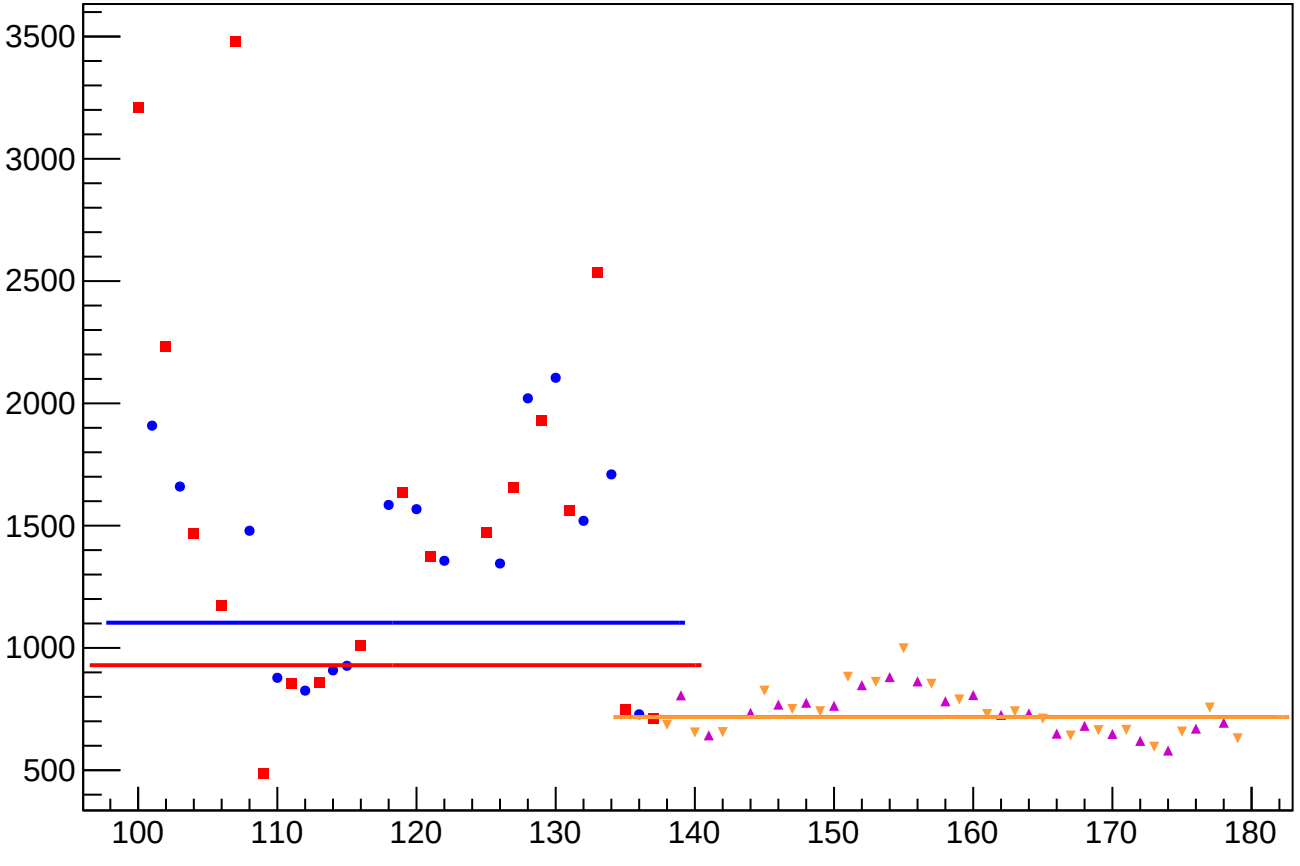
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 170.944+/-165.991 χ^2/NDF:44.8/35

Out: -487.788+/-161.797 χ^2/NDF:87.3/38

All: -166.848+/-115.862 χ^2/NDF: 140.2/74

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 717.280+/-0.126 χ^2/NDF:507570.2/20

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 717.602+/-0.127 χ^2/NDF:428063.8/19

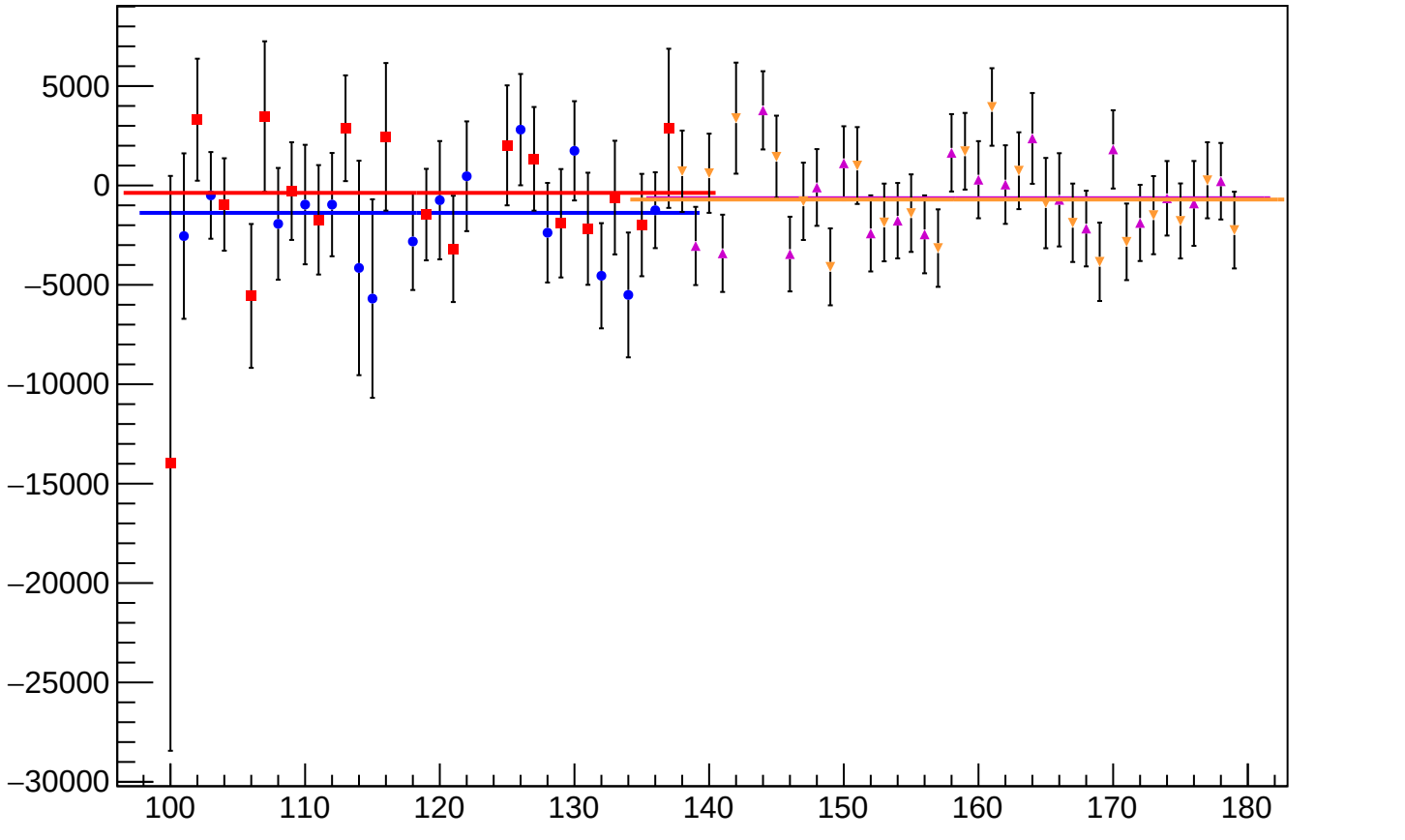
Left: 717.439+/-0.089 χ^2/NDF: 935637.2/40

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 771.949+/-0.117 χ^2/NDF:3612927.3/35

Out: 753.149+/-0.114 χ^2/NDF:4044535.3/38

All: 762.308+/-0.082 χ^2/NDF: 7670619.0/74



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -707.953+/-434.431 χ^2/NDF:23.4/20

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -640.533+/-439.746 χ^2/NDF:20.1/19

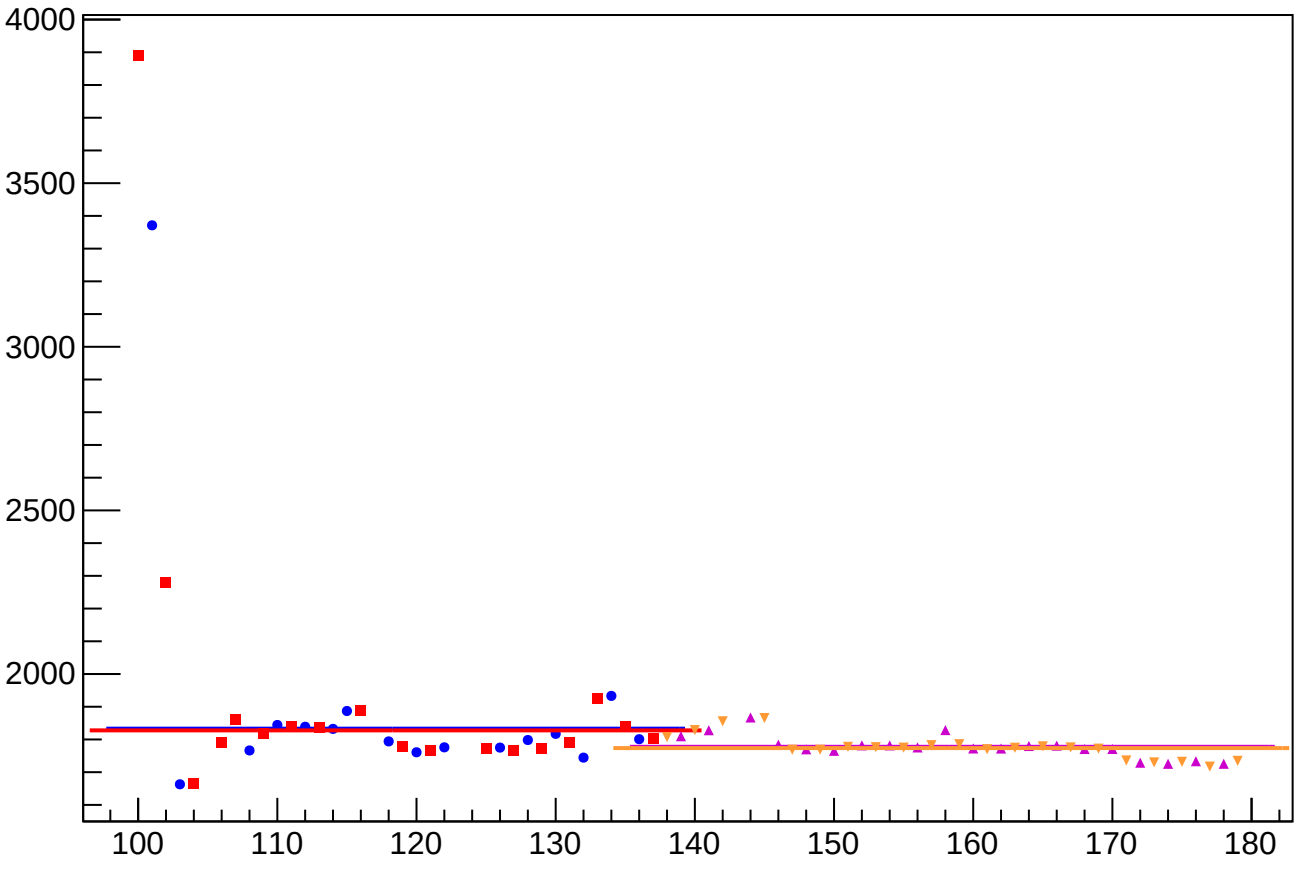
Left: -674.653+/-309.051 χ^2/NDF: 43.5/40

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -854.014+/-370.687 χ^2/NDF:30.3/35

Out: -611.621+/-366.780 χ^2/NDF:35.5/38

All: -731.533+/-260.723 χ^2/NDF: 66.0/74



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

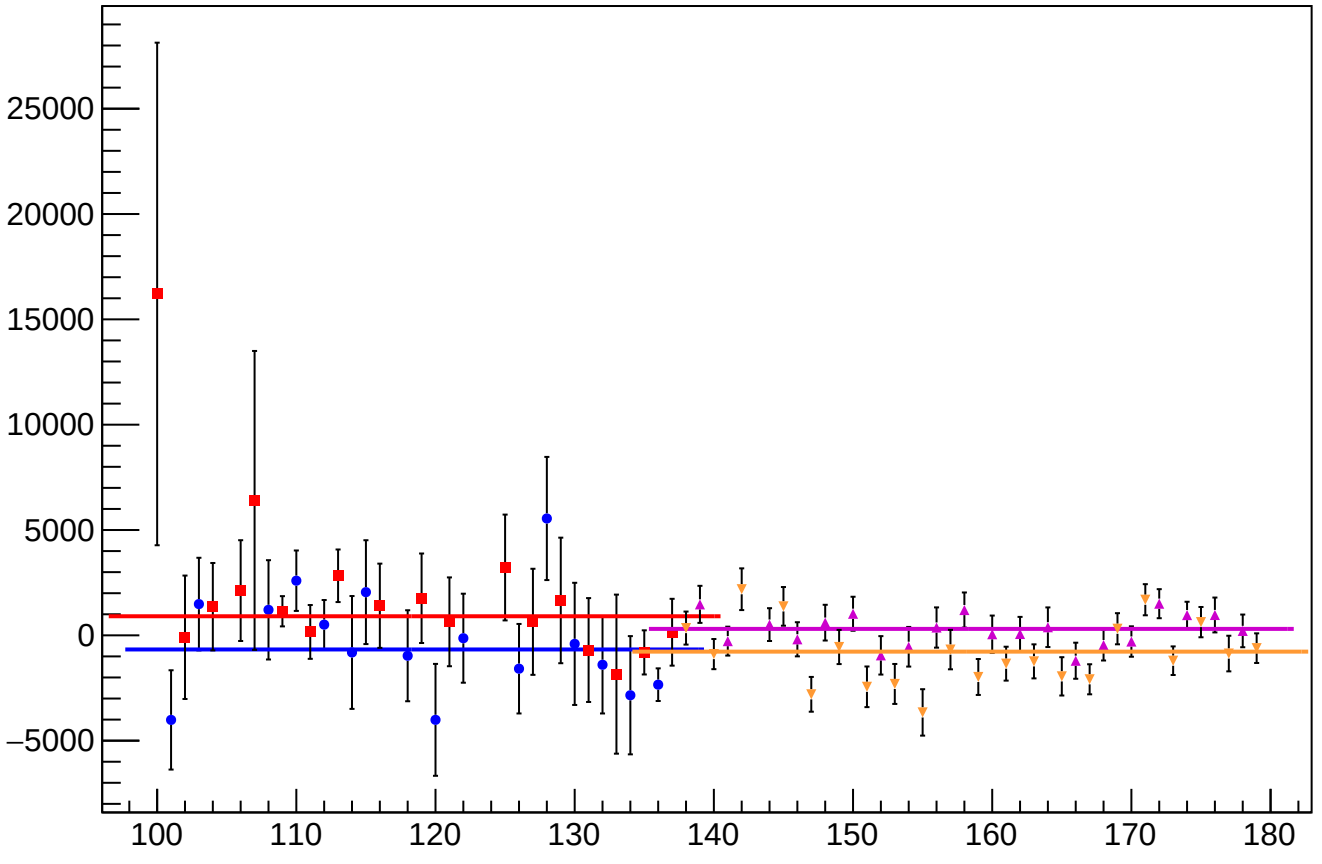
Left: 1775.569+/-0.219 χ^2/NDF: 26084.6/40

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1793.588+/-0.262 χ^2/NDF:317418.9/35

Out: 1789.183+/-0.259 χ^2/NDF:124406.6/38

All: 1791.362+/-0.184 χ^2/NDF: 441968.2/74



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -773.304+/-177.504 χ^2/NDF:60.5/20

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 305.902+/-179.092 χ^2/NDF:17.5/19

Left: -238.508+/-126.072 χ^2/NDF: 96.3/40

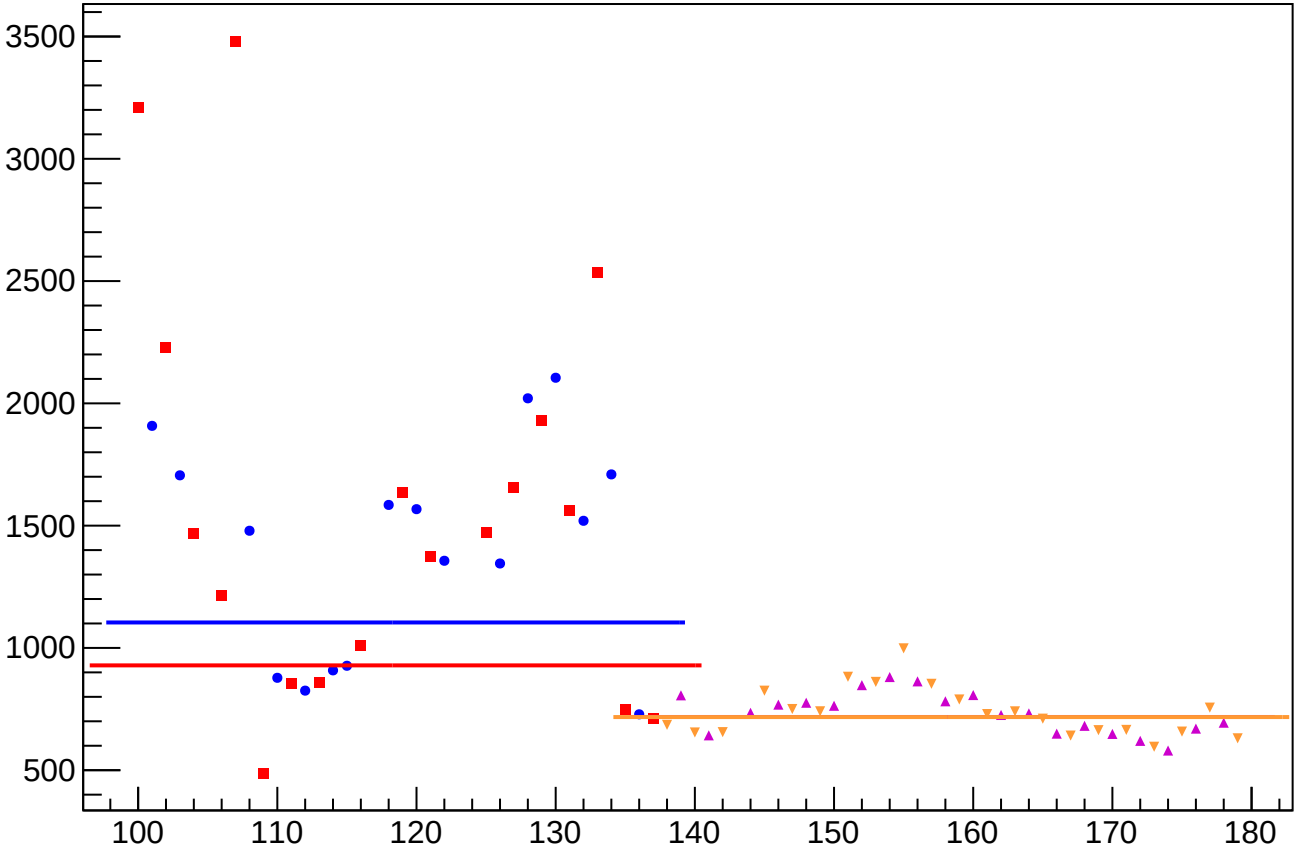
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 168.471+/-166.011 χ^2/NDF:44.5/35

Out: -490.962+/-161.895 χ^2/NDF:86.1/38

All: -169.523+/-115.905 χ^2/NDF: 138.6/74

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 717.285+/-0.126 χ^2/NDF:507507.5/20

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 717.607+/-0.127 χ^2/NDF:428088.6/19

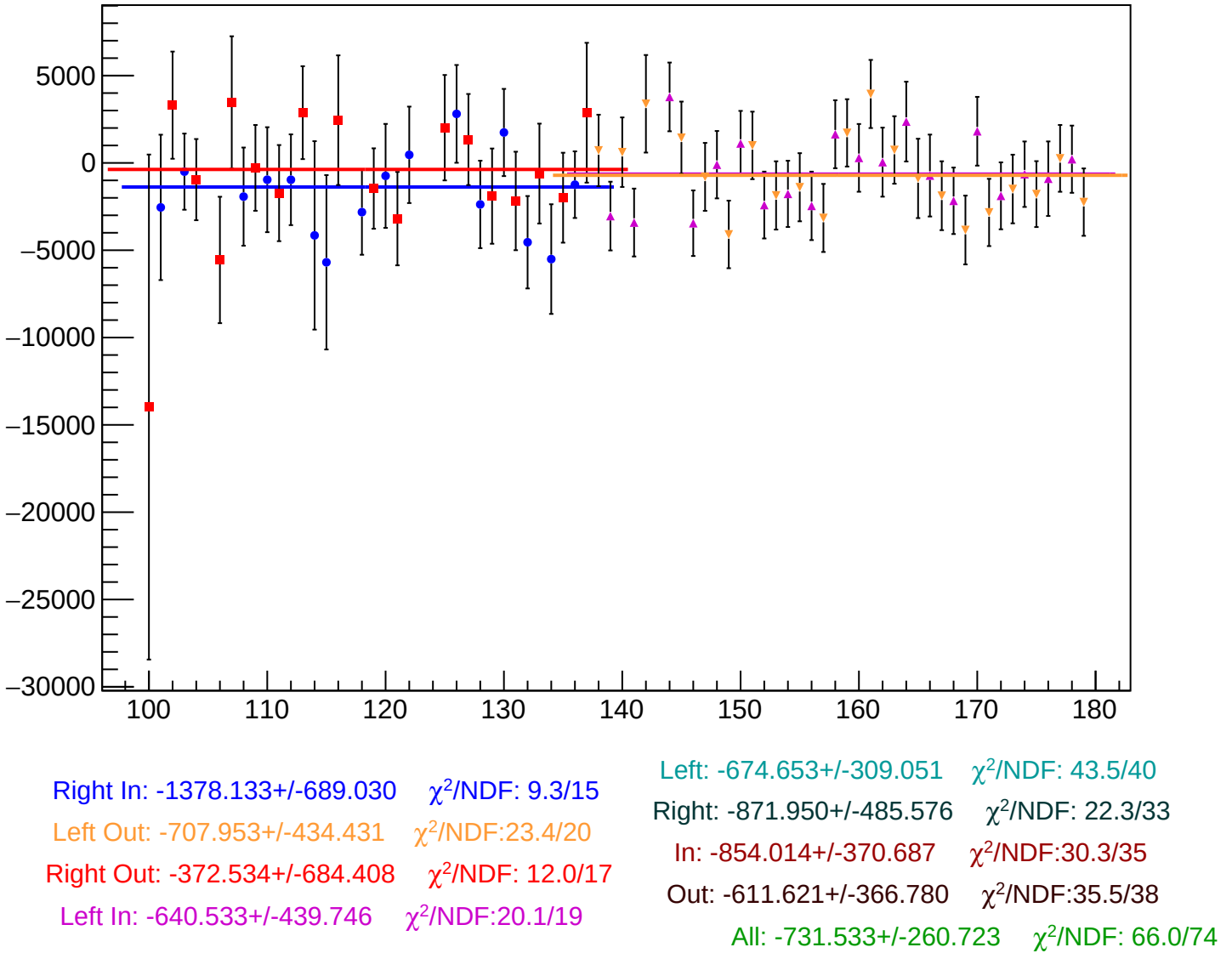
Left: 717.444+/-0.089 χ^2/NDF: 935599.4/40

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 772.005+/-0.117 χ^2/NDF:3633575.4/35

Out: 752.821+/-0.114 χ^2/NDF:4038618.2/38

All: 762.172+/-0.082 χ^2/NDF: 7685882.1/74


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−25000
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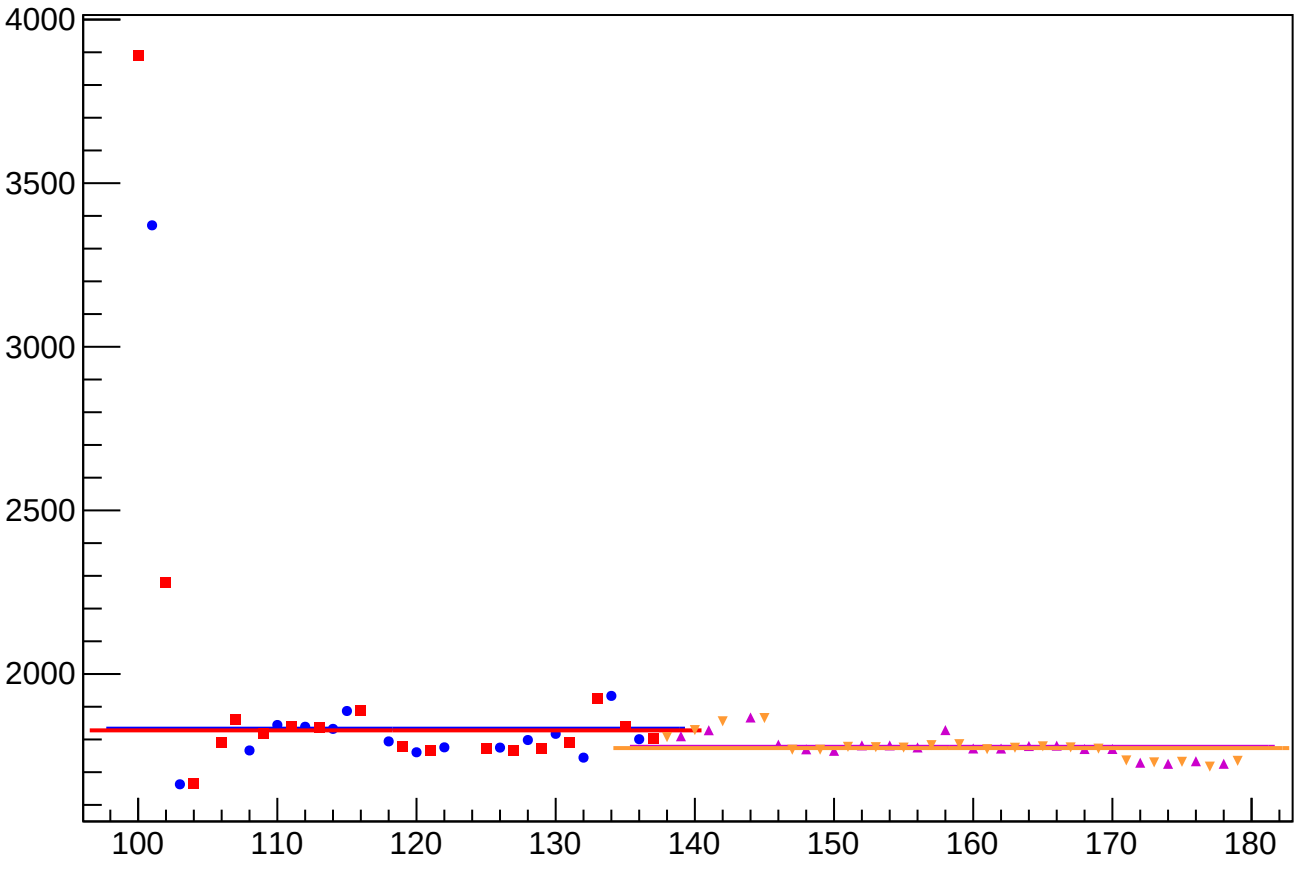
140
150
160
170
180
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -707.953+/-434.431 χ²/NDF:23.4/20
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -640.533+/-439.746 χ²/NDF:20.1/19
Left: -674.653+/-309.051 χ²/NDF: 43.5/40
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -854.014+/-370.687 χ²/NDF:30.3/35
Out: -611.621+/-366.780 χ²/NDF:35.5/38
All: -731.533+/-260.723 χ²/NDF: 66.0/74



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Left Out: 1773.629+/-0.307 χ^2/NDF:13210.2/20

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1777.556+/-0.311 χ^2/NDF:12793.7/19

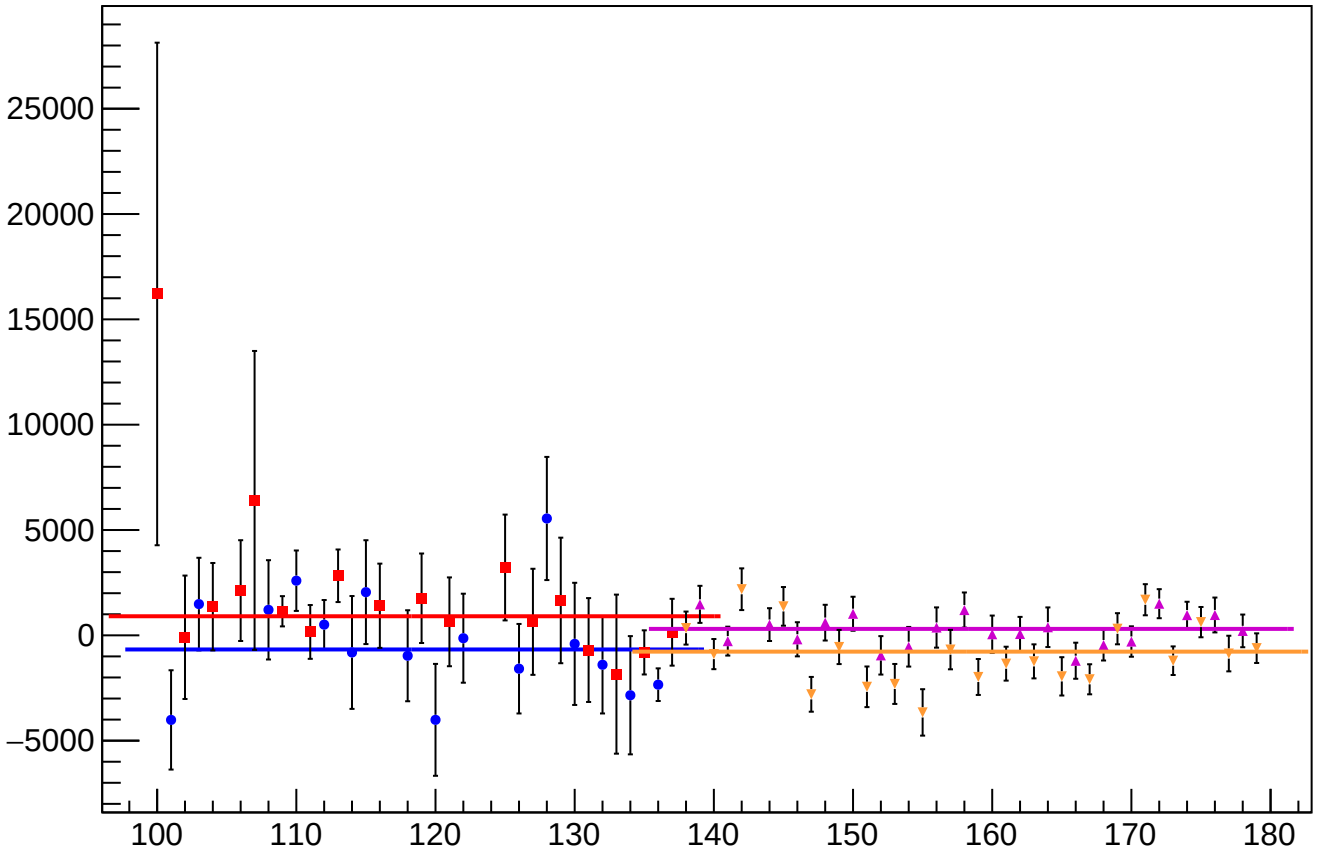
Left: 1775.569+/-0.219 χ^2/NDF: 26084.6/40

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1793.588+/-0.262 χ^2/NDF:317418.9/35

Out: 1789.183+/-0.259 χ^2/NDF:124406.6/38

All: 1791.362+/-0.184 χ^2/NDF: 441968.2/74



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -773.304+/-177.504 χ^2/NDF:60.5/20

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 305.902+/-179.092 χ^2/NDF:17.5/19

Left: -238.508+/-126.072 χ^2/NDF: 96.3/40

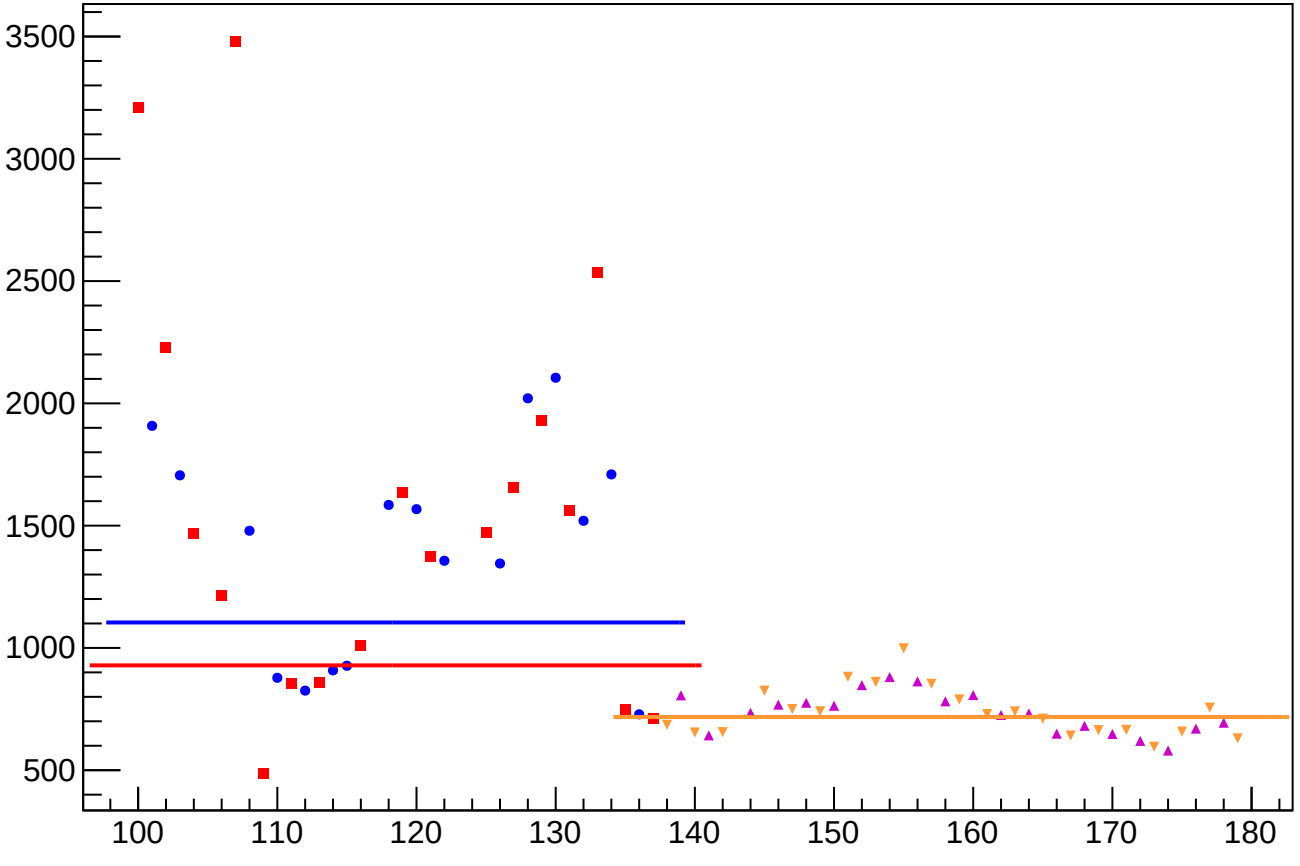
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 168.471+/-166.011 χ^2/NDF:44.5/35

Out: -490.962+/-161.895 χ^2/NDF:86.1/38

All: -169.523+/-115.905 χ^2/NDF: 138.6/74

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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Left Out: 717.285+/-0.126 χ^2/NDF:507507.5/20

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 717.607+/-0.127 χ^2/NDF:428088.6/19

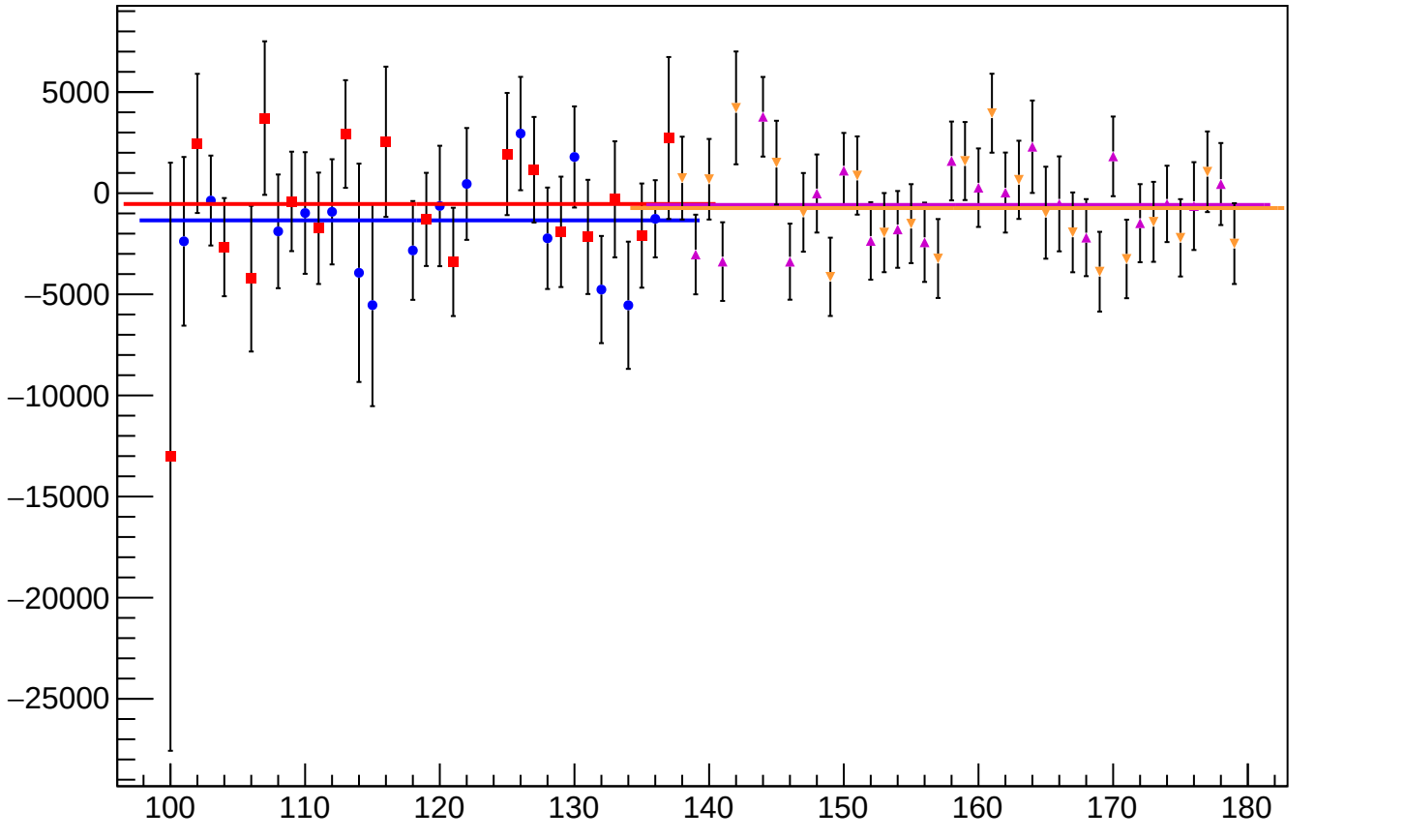
Left: 717.444+/-0.089 χ^2/NDF: 935599.4/40

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 772.005+/-0.117 χ^2/NDF:3633575.4/35

Out: 752.821+/-0.114 χ^2/NDF:4038618.2/38

All: 762.172+/-0.082 χ^2/NDF: 7685882.1/74



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -735.885+/-436.885 χ^2/NDF:26.0/20

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -581.119+/-441.782 χ^2/NDF:19.6/19

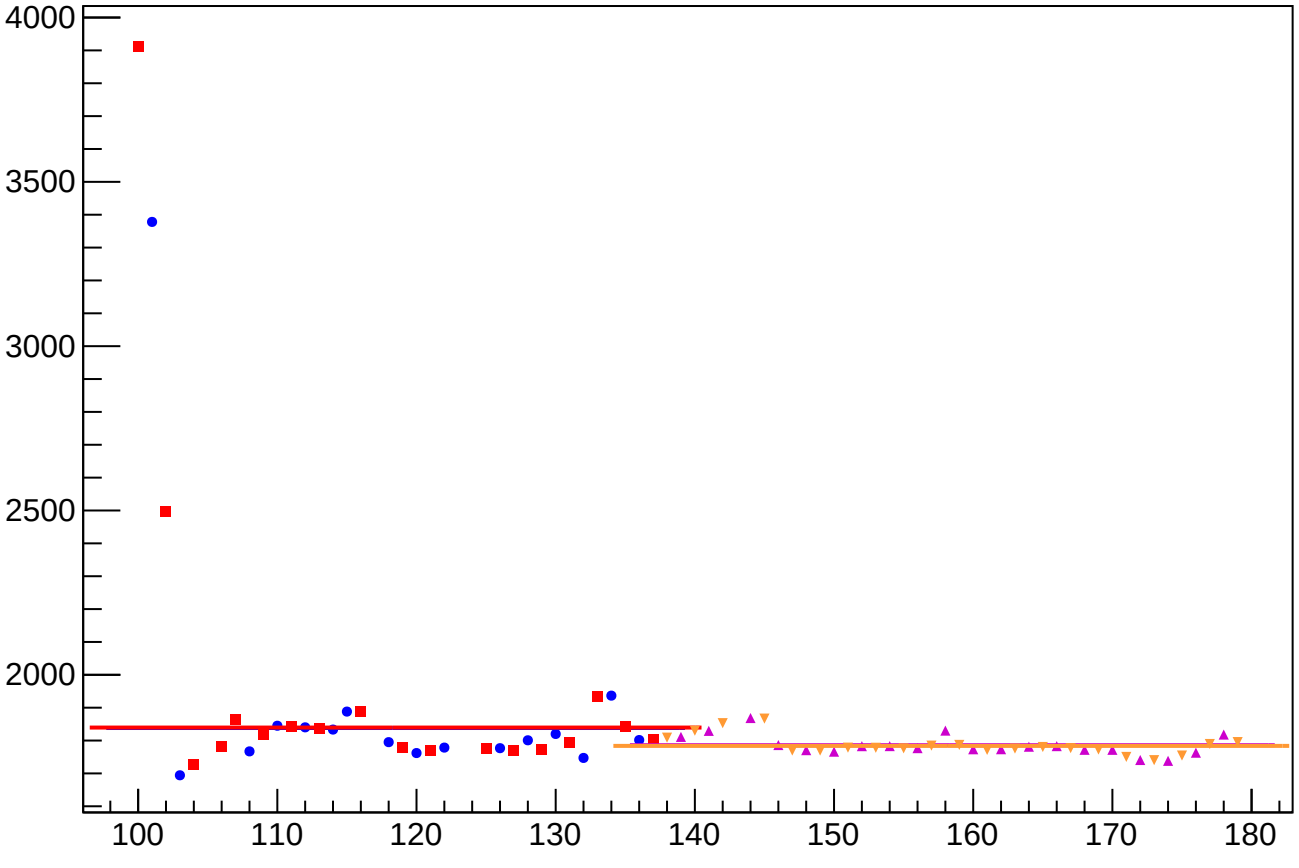
Left: -659.364+/-310.641 χ^2/NDF: 45.7/40

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -802.484+/-372.203 χ^2/NDF:30.1/35

Out: -678.282+/-369.265 χ^2/NDF:37.1/38

All: -739.891+/-262.142 χ^2/NDF: 67.3/74



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.755+/-0.309 χ^2/NDF:8419.9/20

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.850+/-0.312 χ^2/NDF:9759.0/19

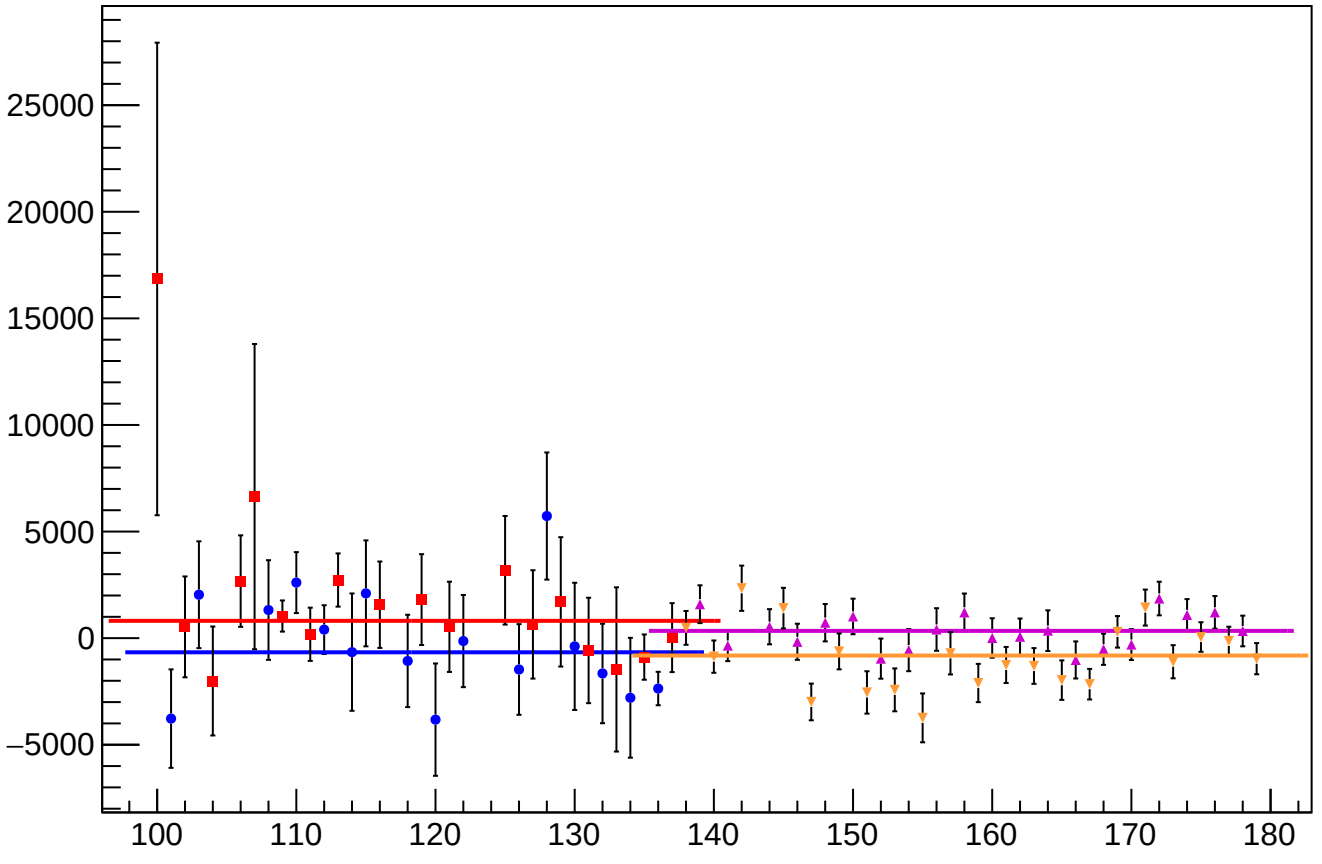
Left: 1784.791+/-0.220 χ^2/NDF: 18201.7/40

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.029+/-0.263 χ^2/NDF:309879.9/35

Out: 1799.681+/-0.261 χ^2/NDF:145978.9/38

All: 1800.350+/-0.185 χ^2/NDF: 455872.0/74



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -815.584+/-182.225 χ^2/NDF:55.4/20

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 340.645+/-185.782 χ^2/NDF:18.7/19

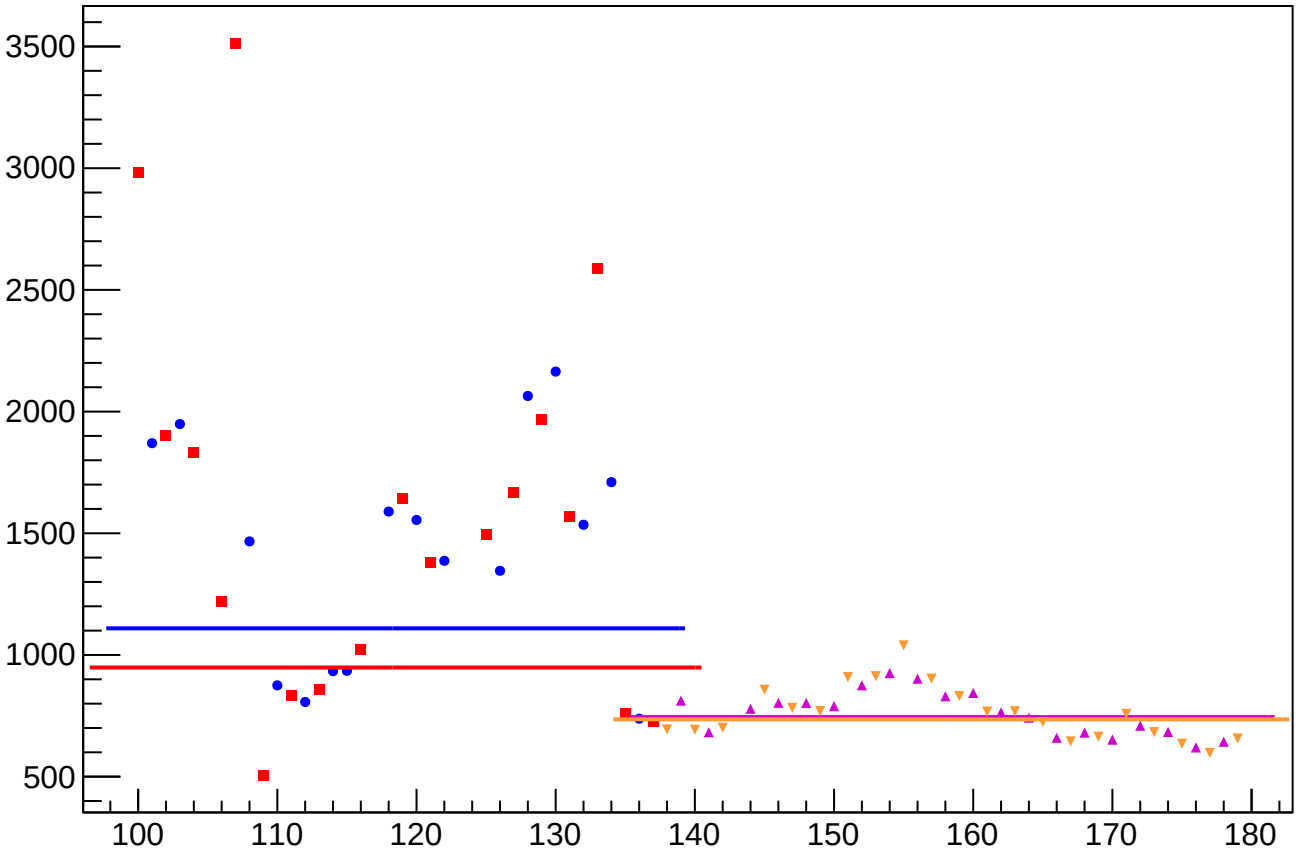
Left: -248.643+/-130.092 χ^2/NDF: 93.9/40

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 192.119+/-171.493 χ^2/NDF:45.8/35

Out: -532.535+/-165.626 χ^2/NDF:81.6/38

All: -182.815+/-119.135 χ^2/NDF: 136.6/74



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 735.384+/-0.129 χ^2/NDF:617362.5/20

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 744.712+/-0.131 χ^2/NDF:429140.3/19

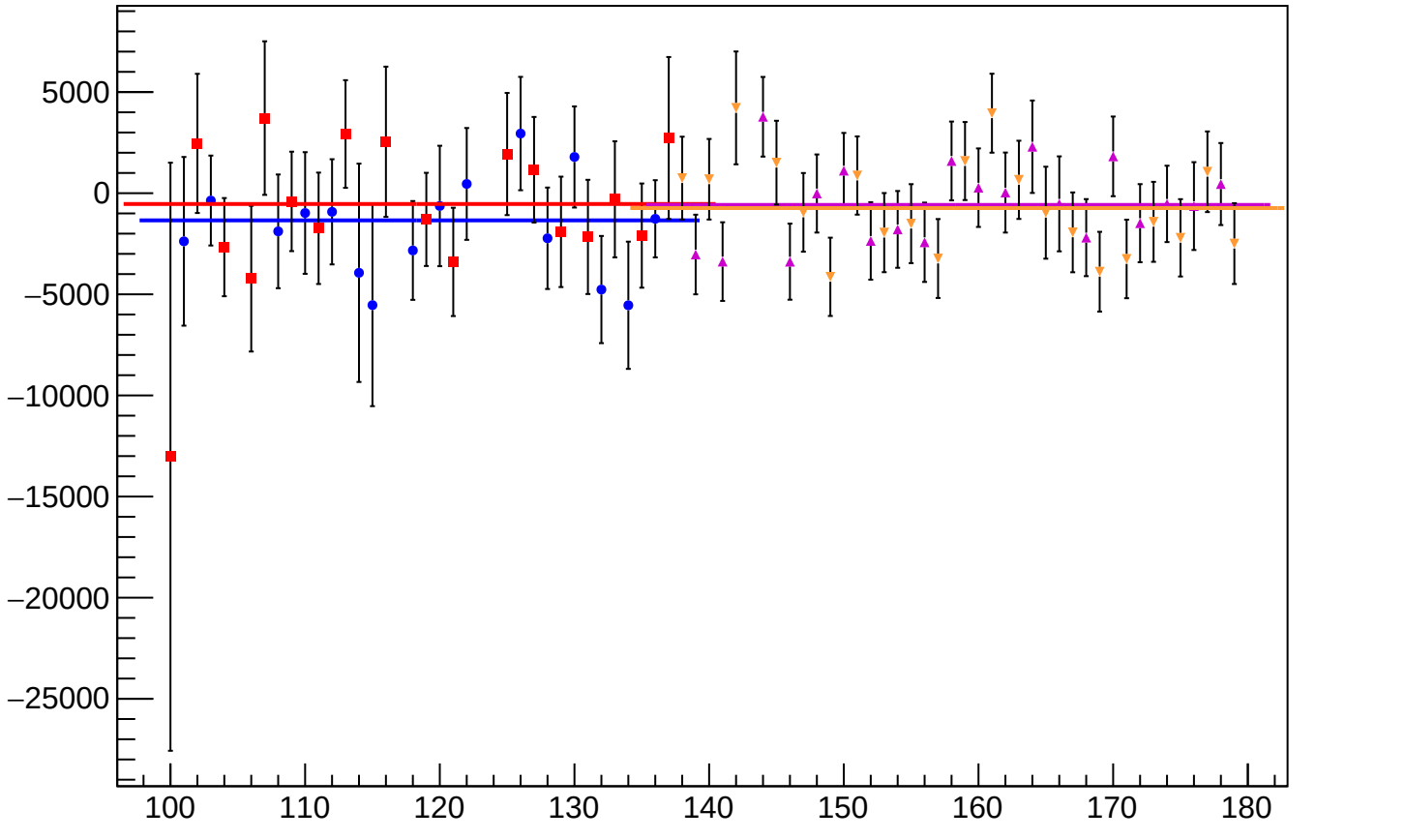
Left: 739.958+/-0.092 χ^2/NDF: 1049072.1/40

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 798.648+/-0.121 χ^2/NDF:3542188.9/35

Out: 772.432+/-0.117 χ^2/NDF:4146432.2/38

All: 785.084+/-0.084 χ^2/NDF: 7712804.8/74



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -735.884+/-436.885 χ^2/NDF:26.0/20

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -581.119+/-441.782 χ^2/NDF:19.6/19

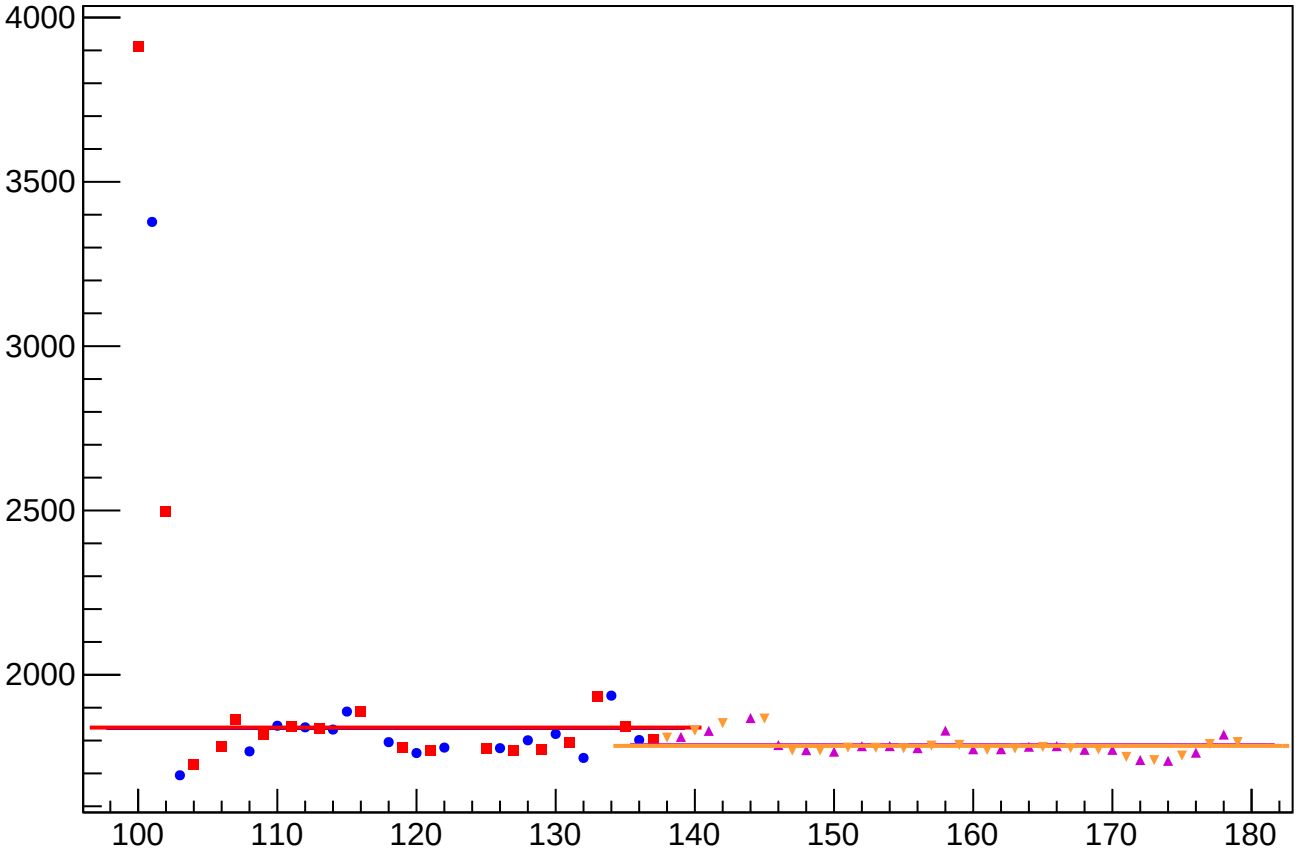
Left: -659.364+/-310.641 χ^2/NDF: 45.7/40

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -802.484+/-372.203 χ^2/NDF:30.1/35

Out: -678.283+/-369.265 χ^2/NDF:37.1/38

All: -739.891+/-262.142 χ^2/NDF: 67.3/74



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.755+/-0.309 χ^2/NDF:8419.9/20

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.850+/-0.312 χ^2/NDF:9759.0/19

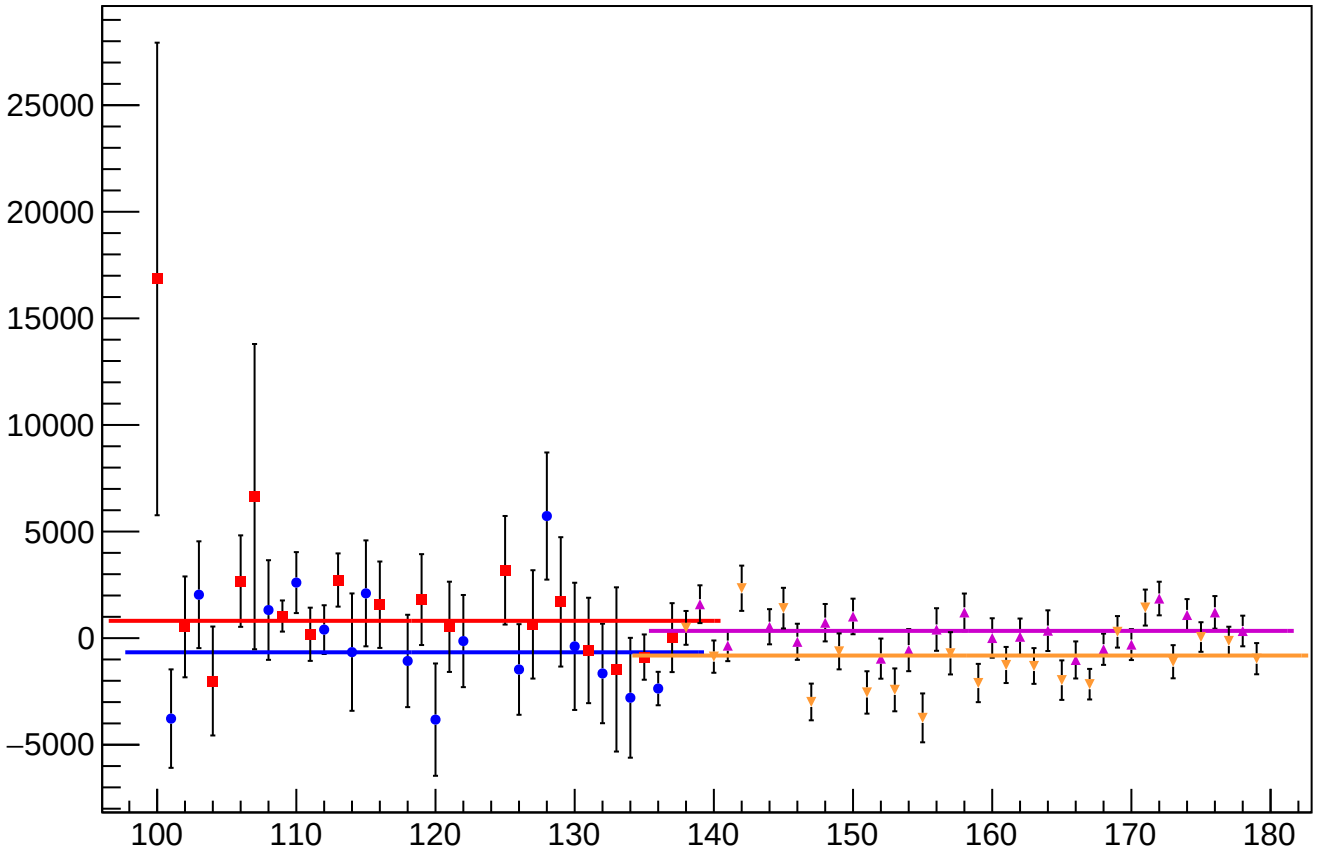
Left: 1784.791+/-0.220 χ^2/NDF: 18201.7/40

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.029+/-0.263 χ^2/NDF:309879.9/35

Out: 1799.681+/-0.261 χ^2/NDF:145979.0/38

All: 1800.350+/-0.185 χ^2/NDF: 455872.0/74



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -815.586+/-182.225 χ^2/NDF:55.4/20

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 340.643+/-185.782 χ^2/NDF:18.7/19

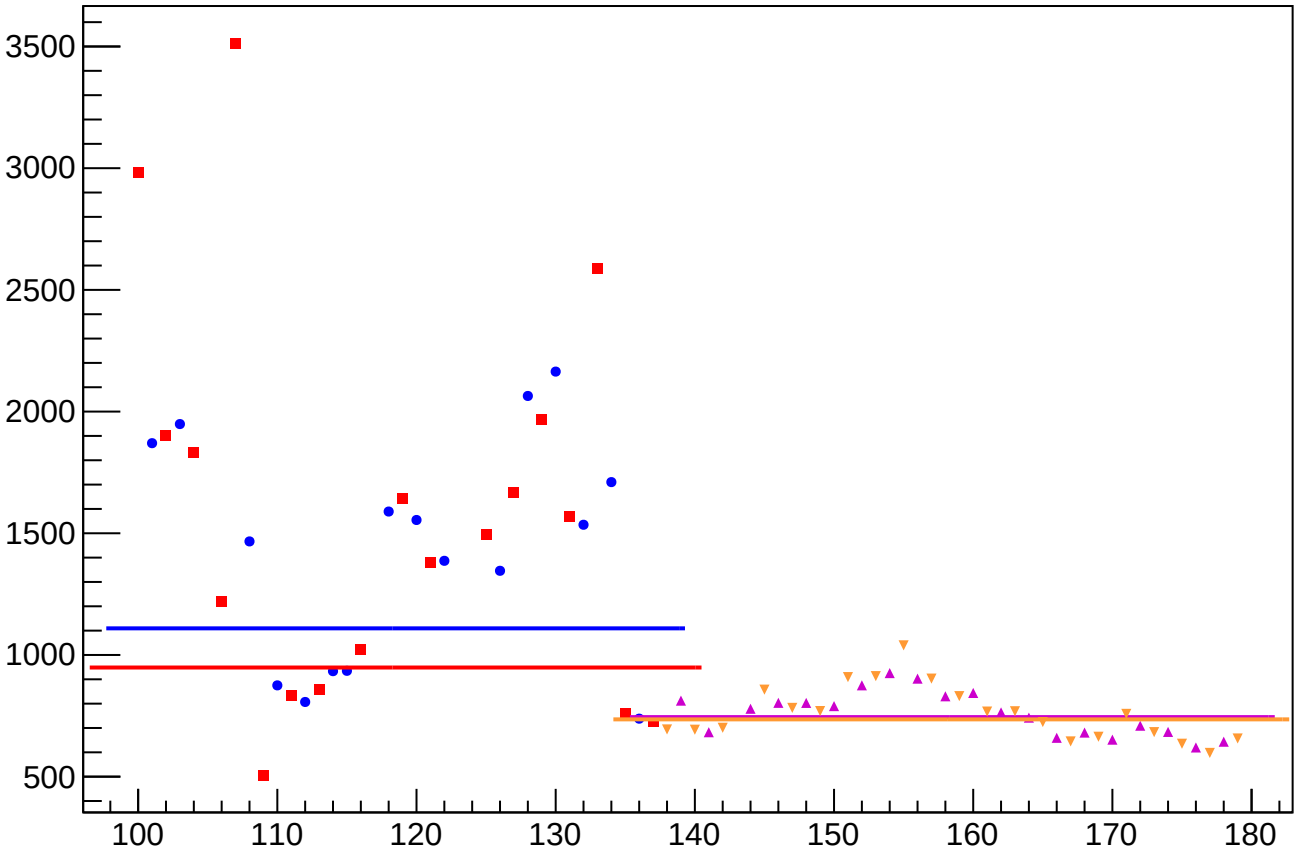
Left: -248.645+/-130.092 χ^2/NDF: 93.9/40

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 192.120+/-171.493 χ^2/NDF:45.8/35

Out: -532.536+/-165.626 χ^2/NDF:81.6/38

All: -182.815+/-119.135 χ^2/NDF: 136.6/74



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 735.384+/-0.129 χ^2/NDF:617359.0/20

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 744.711+/-0.131 χ^2/NDF:429150.2/19

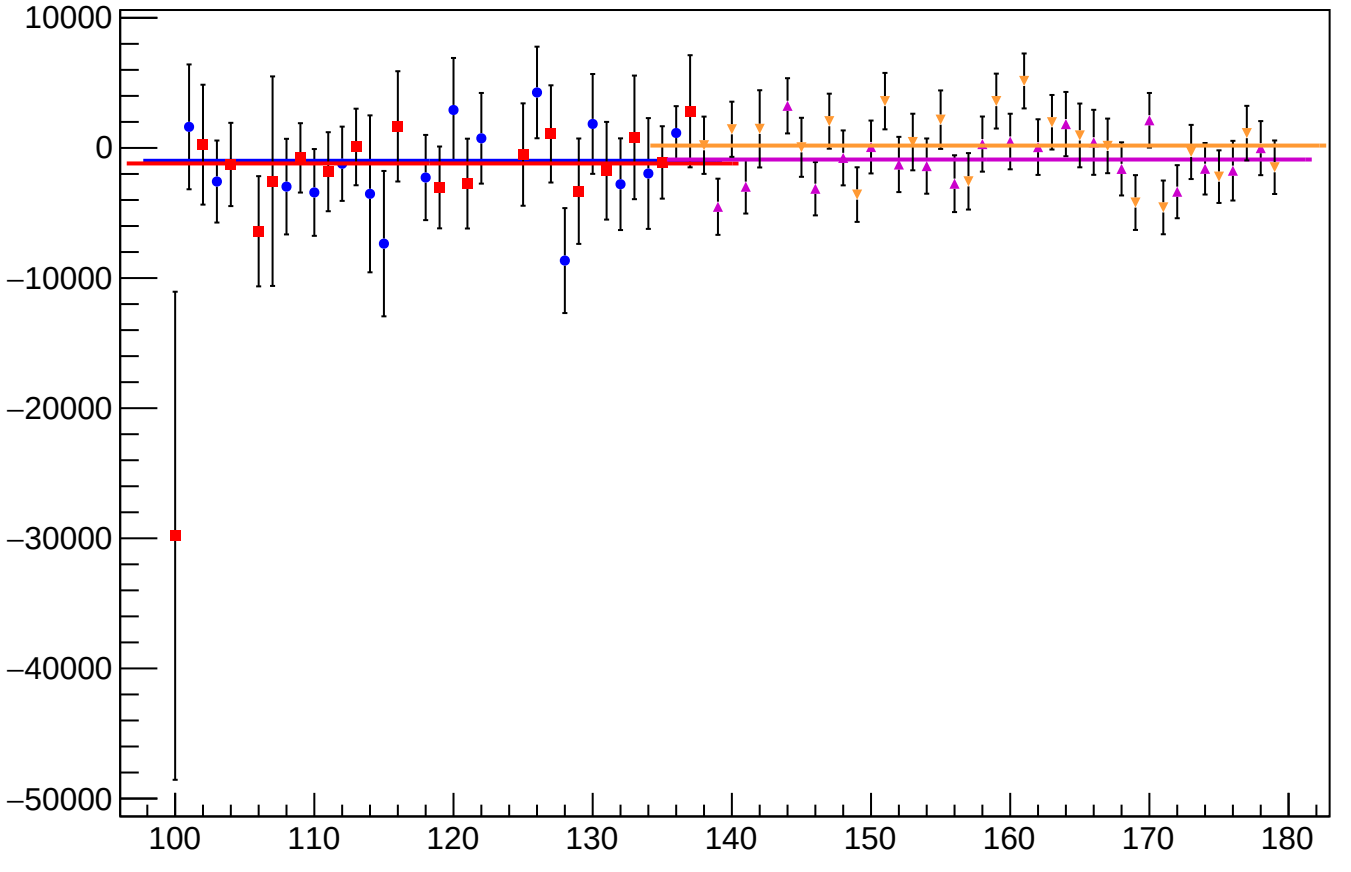
Left: 739.958+/-0.092 χ^2/NDF: 1049078.2/40

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 798.648+/-0.121 χ^2/NDF:3542177.9/35

Out: 772.432+/-0.117 χ^2/NDF:4146411.5/38

All: 785.084+/-0.084 χ^2/NDF: 7712772.1/74



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 182.339+/-471.811 χ^2/NDF:30.4/20

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -890.268+/-476.787 χ^2/NDF:16.4/19

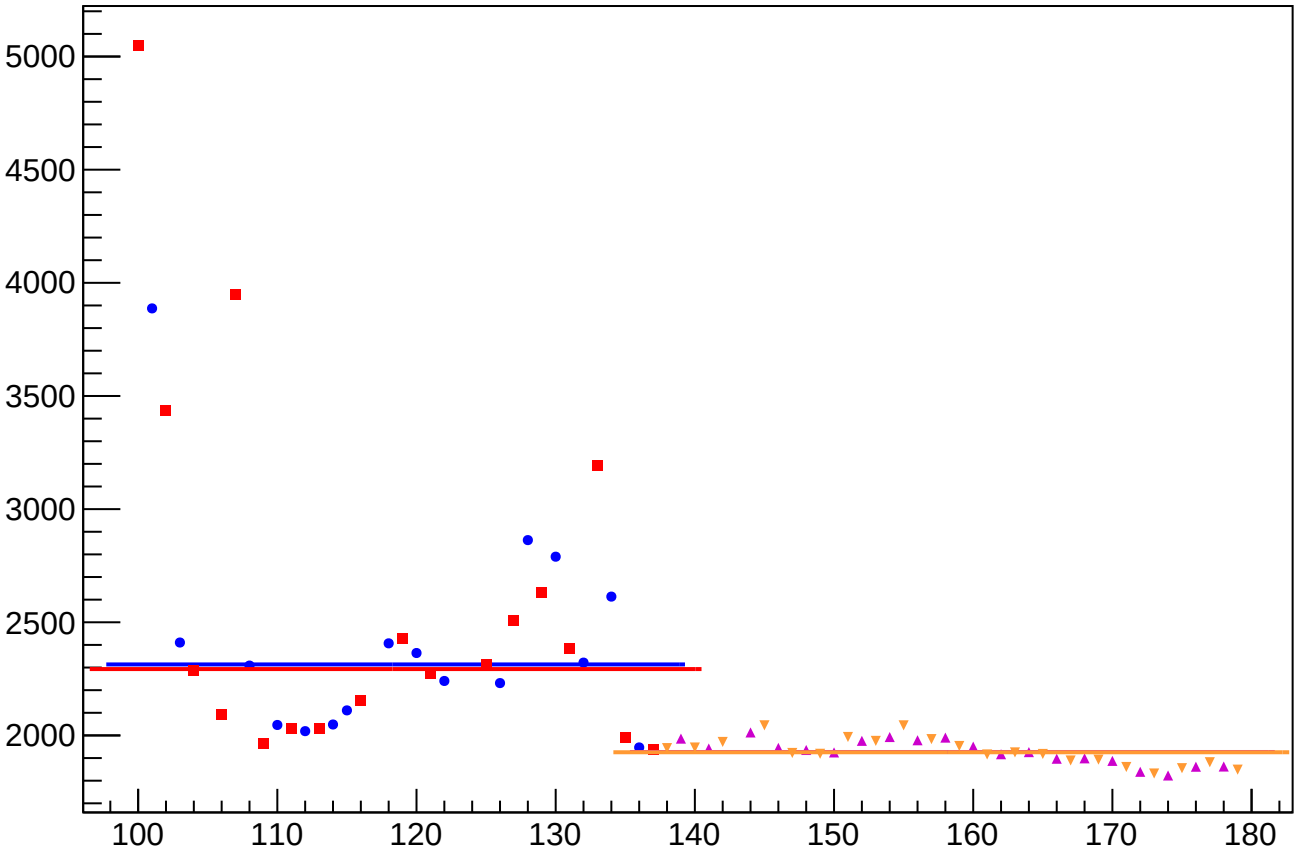
Left: -348.338+/-335.366 χ^2/NDF: 49.3/40

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -912.581+/-418.540 χ^2/NDF:28.4/35

Out: -129.797+/-414.794 χ^2/NDF:39.3/38

All: -517.671+/-294.619 χ^2/NDF: 69.4/74



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1925.659+/-0.334 χ^2/NDF:30018.5/20

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1926.814+/-0.337 χ^2/NDF:25410.8/19

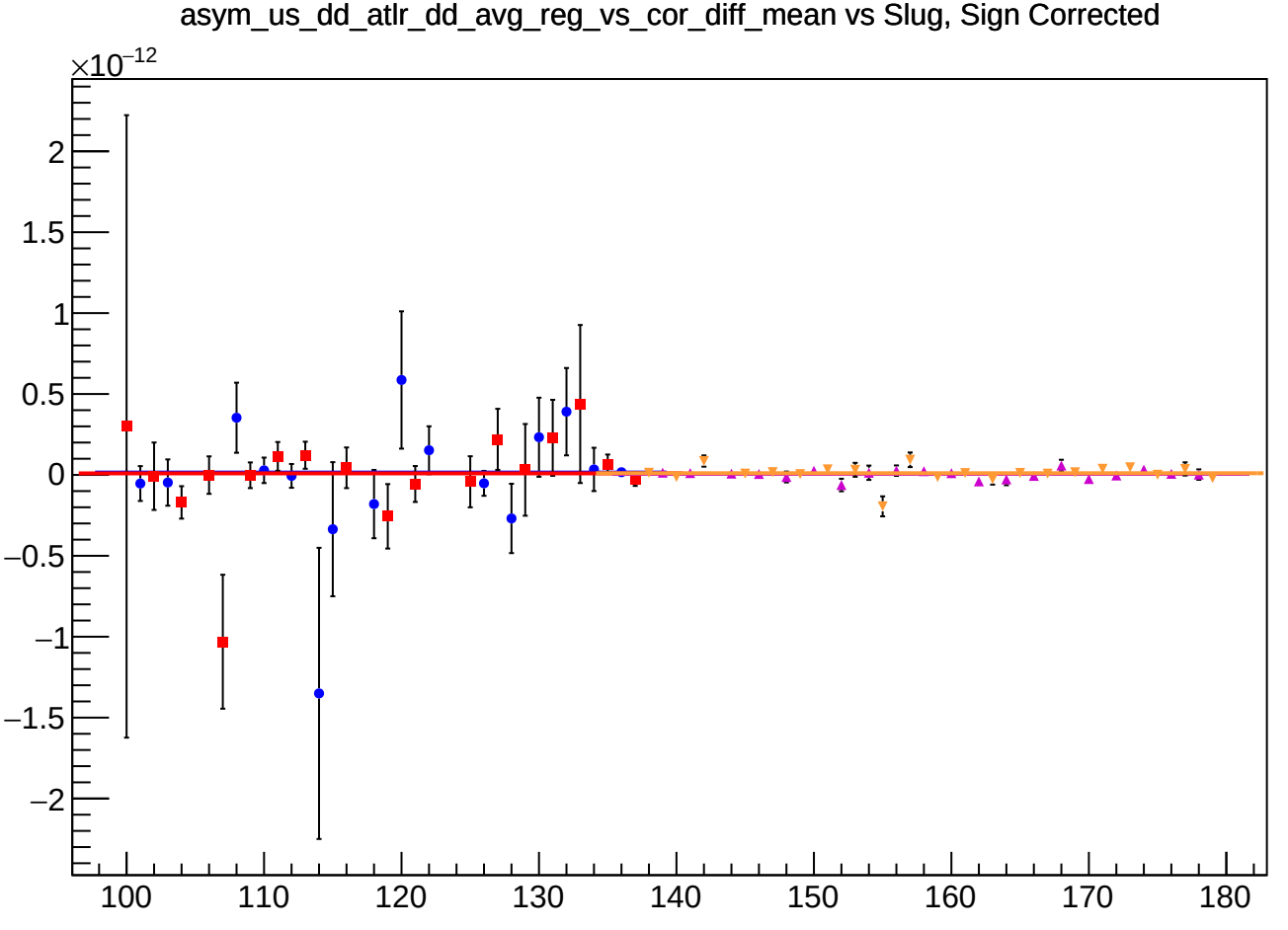
Left: 1926.231+/-0.237 χ^2/NDF: 55435.2/40

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

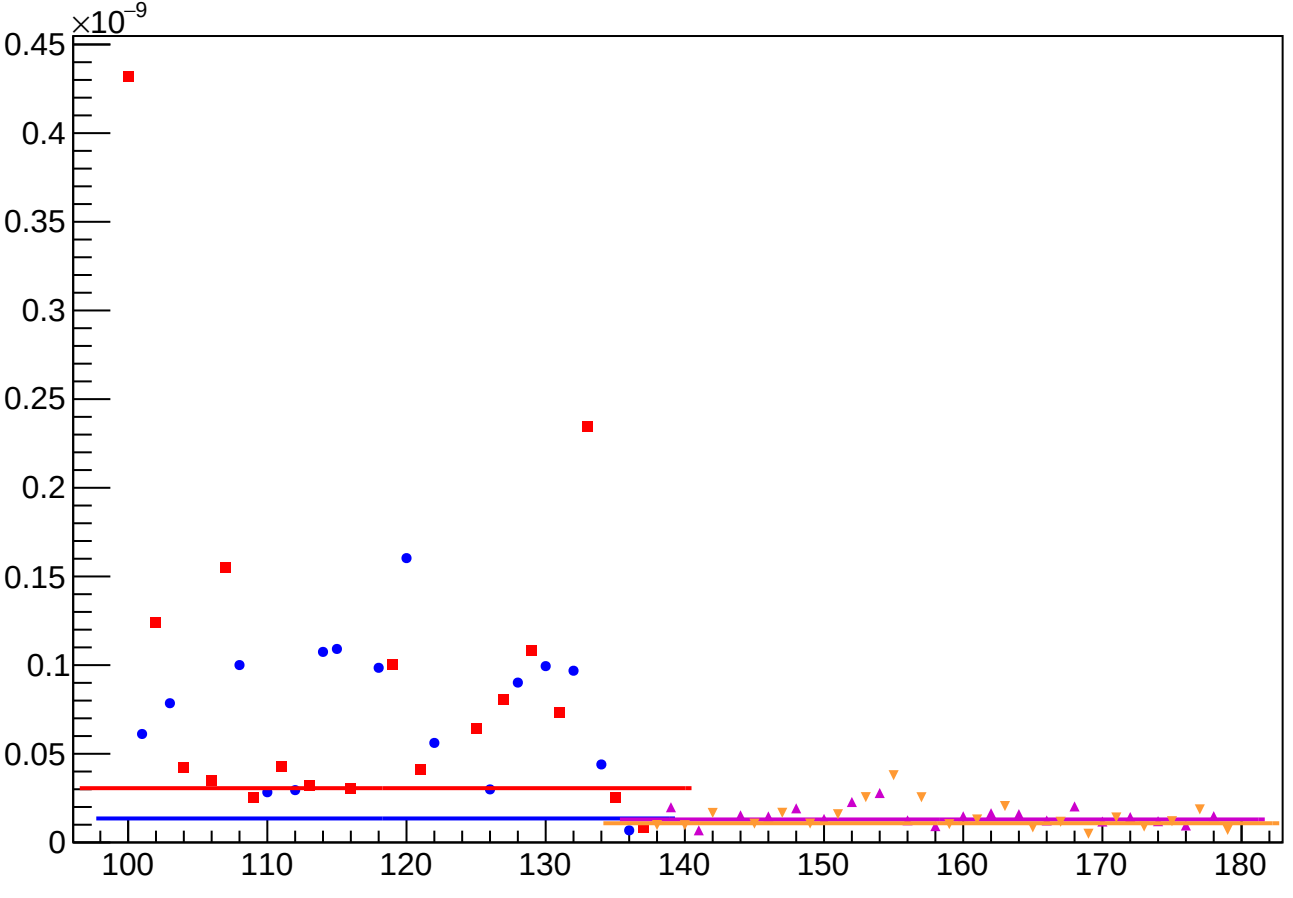
In: 2015.579+/-0.296 χ^2/NDF:730335.9/35

Out: 2009.141+/-0.293 χ^2/NDF:758948.4/38

All: 2012.331+/-0.208 χ^2/NDF: 1489523.0/74


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: 0.000+/-0.000 χ²/NDF:31.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 19.5/17
Left In: 0.000+/-0.000 χ²/NDF:14.7/19
Left: 0.000+/-0.000 χ²/NDF: 46.9/40
Right: 0.000+/-0.000 χ²/NDF: 34.5/33
In: 0.000+/-0.000 χ²/NDF:30.0/35
Out: 0.000+/-0.000 χ²/NDF:51.5/38
All: 0.000+/-0.000 χ²/NDF: 81.6/74

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1881214.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1207769.1/19

Left: 0.000+/-0.000 χ^2/NDF: 3248596.9/40

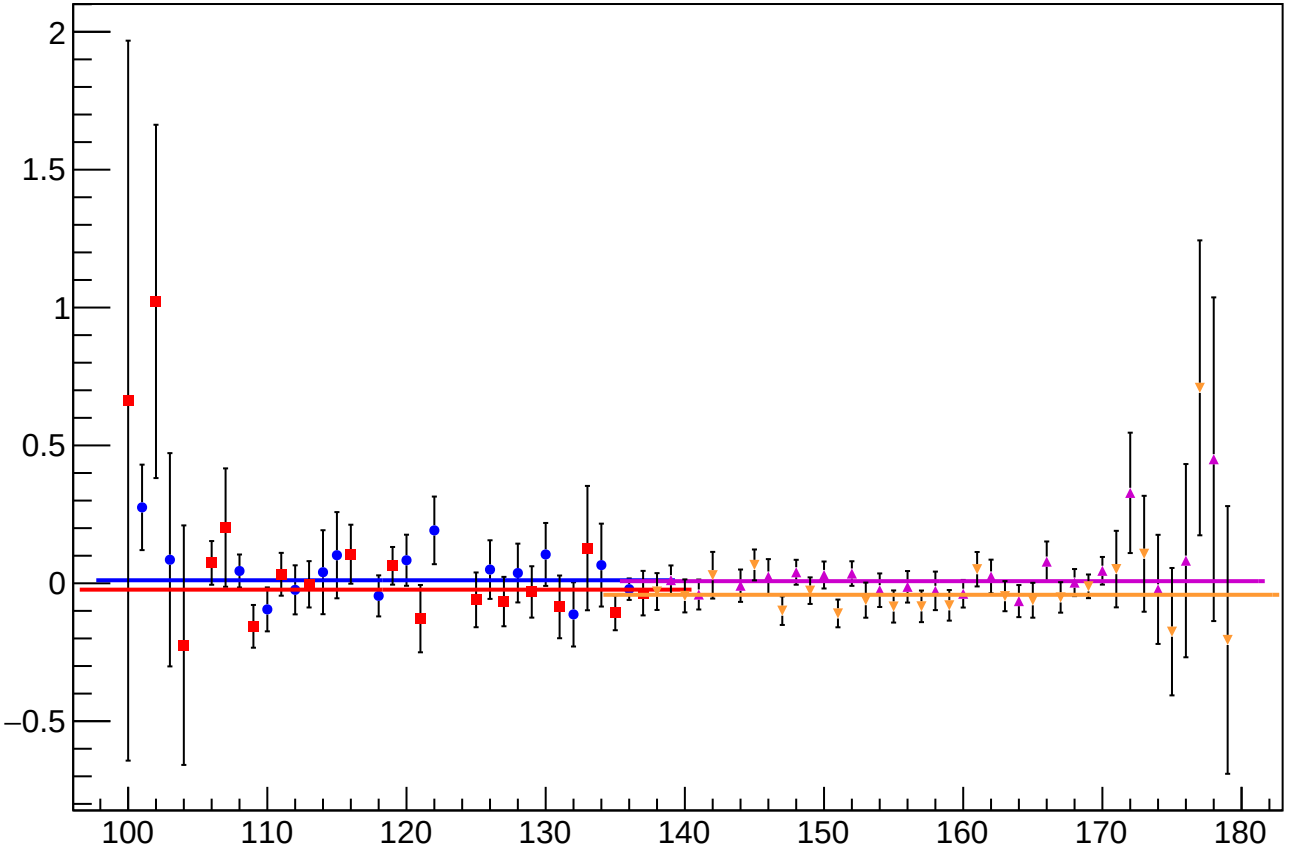
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4626587.1/35

Out: 0.000+/-0.000 χ^2/NDF:5523523.1/38

All: 0.000+/-0.000 χ^2/NDF: 10227139.7/74

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.4/40

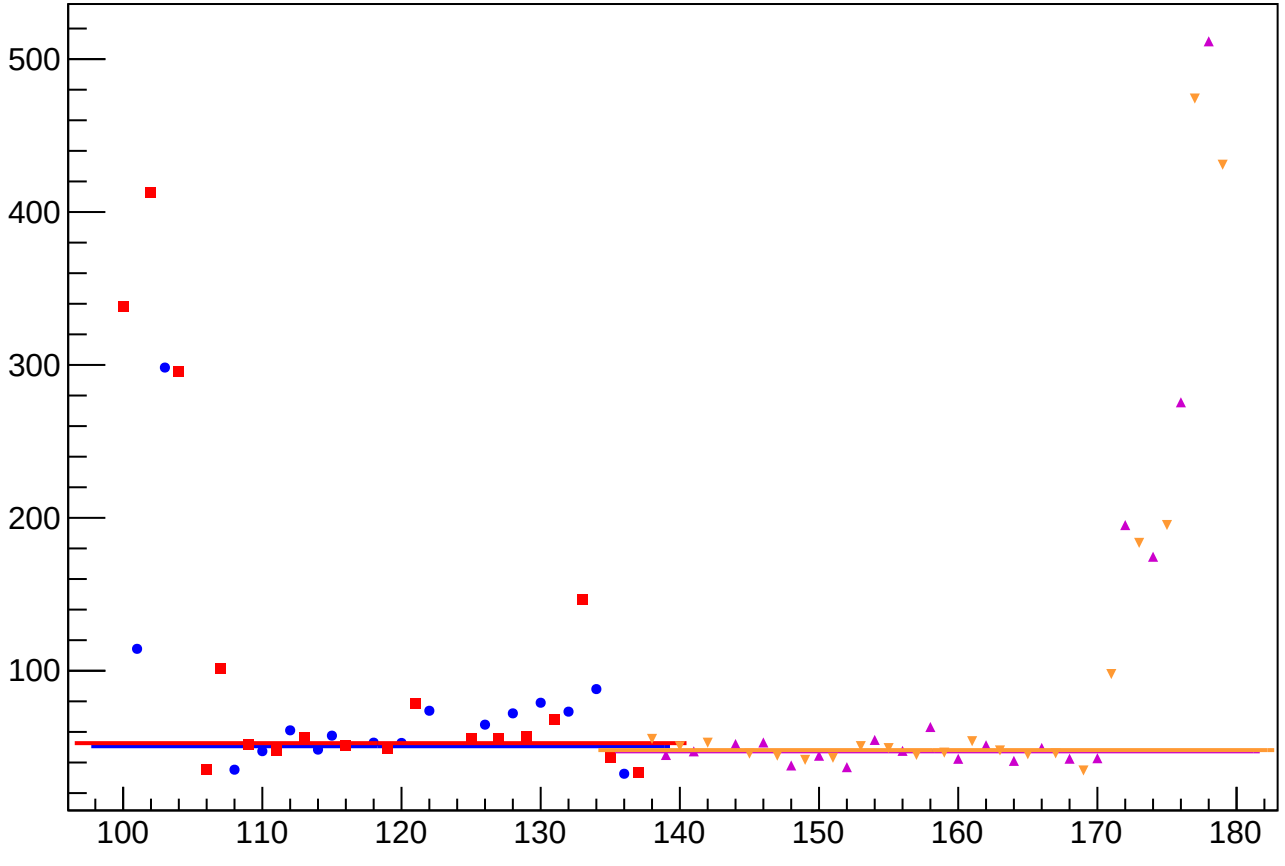
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 60.6/74

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

Left: 47.694+/-0.007 χ^2/NDF: 9049815.6/40

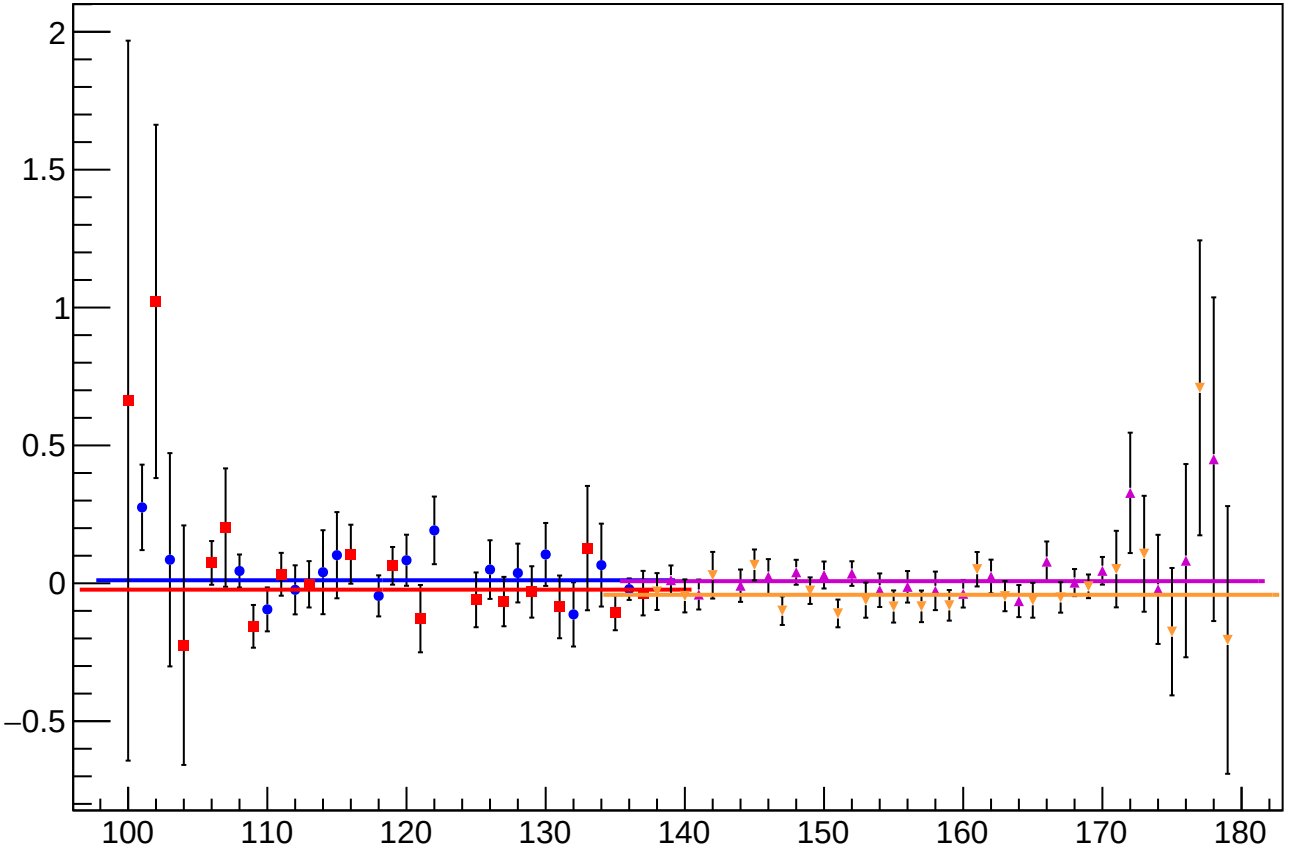
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.229+/-0.008 χ^2/NDF:6600954.8/35

Out: 49.325+/-0.008 χ^2/NDF:7014564.2/38

All: 48.757+/-0.006 χ^2/NDF: 13624260.9/74

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.4/40

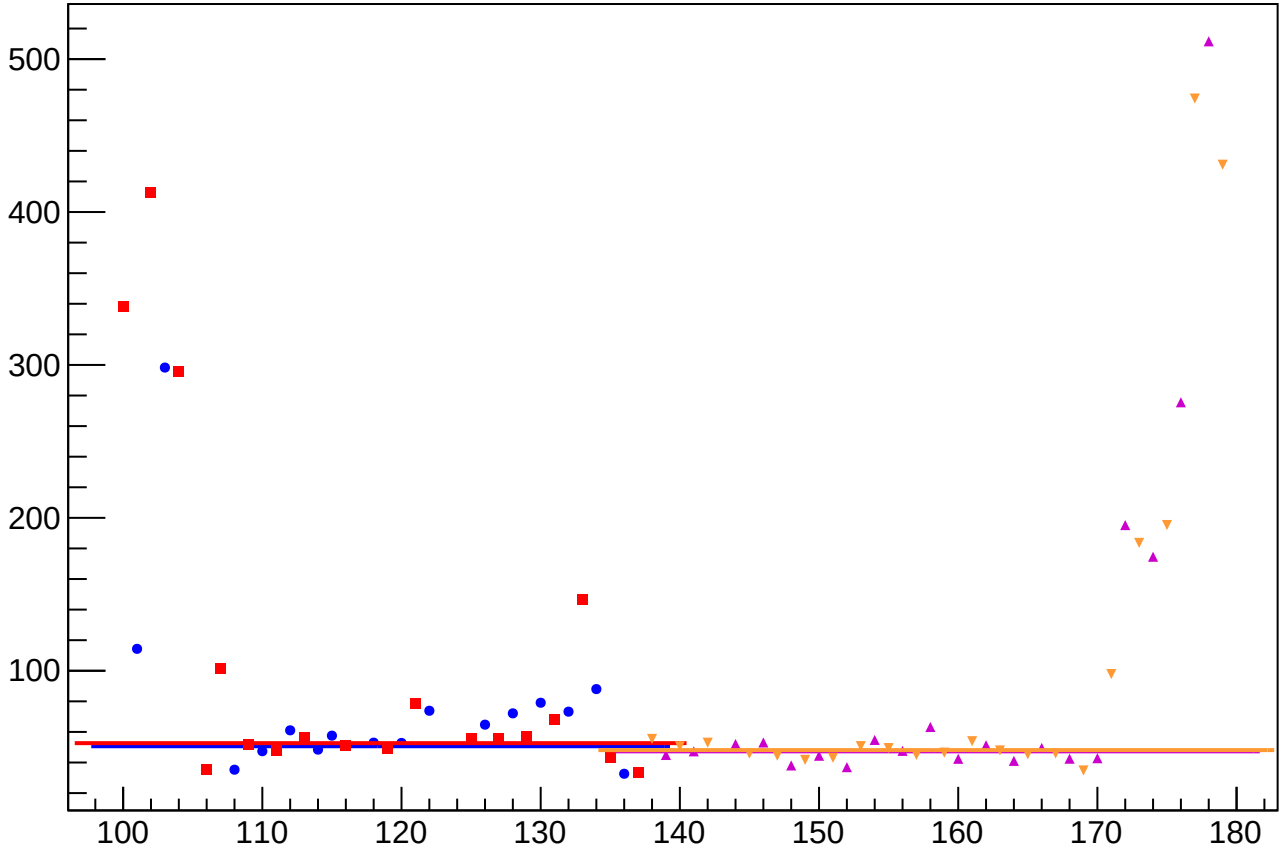
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 60.6/74

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 48.110+/-0.010 χ^2/NDF:4745633.8/20

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

Left: 47.694+/-0.007 χ^2/NDF: 9049815.6/40

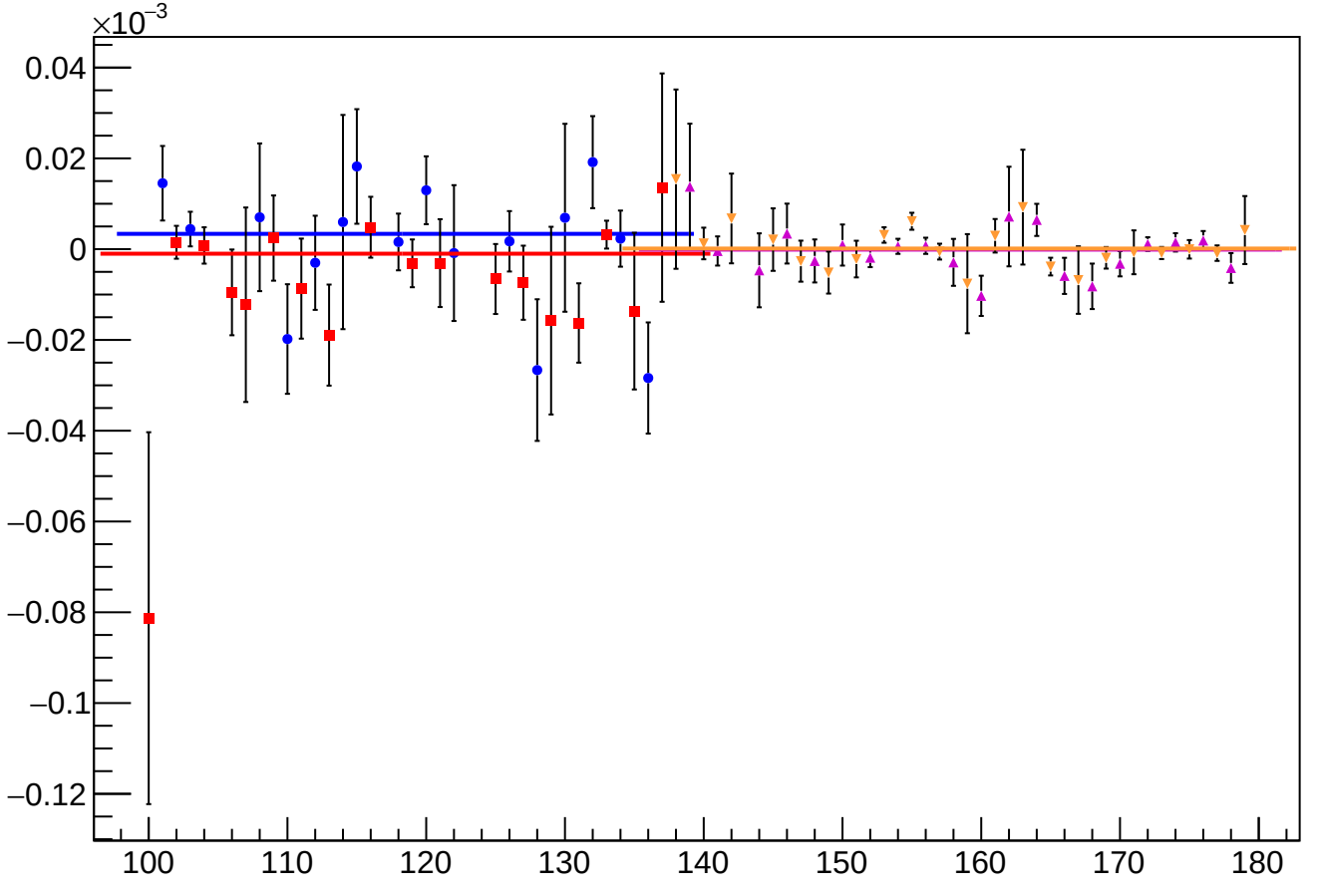
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.229+/-0.008 χ^2/NDF:6600954.8/35

Out: 49.325+/-0.008 χ^2/NDF:7014564.2/38

All: 48.757+/-0.006 χ^2/NDF: 13624260.9/74

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:22.2/19

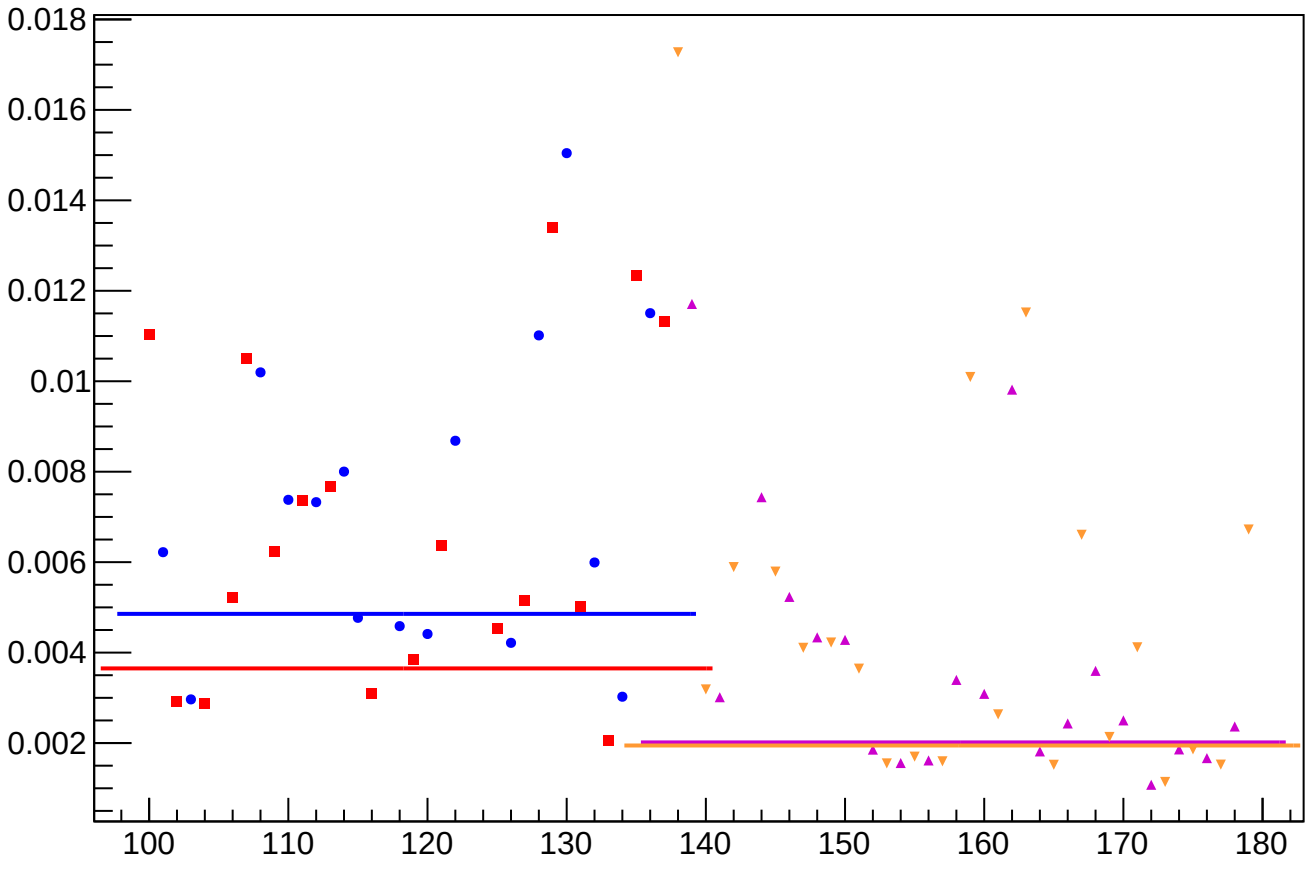
Left: 0.000+/-0.000 χ^2/NDF: 47.7/40

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:47.0/35

Out: -0.000+/-0.000 χ^2/NDF:43.1/38

All: 0.000+/-0.000 χ^2/NDF: 90.1/74



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:9219477.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6200517.8/19

Left: 0.002+/-0.000 χ^2/NDF: 15432814.1/40

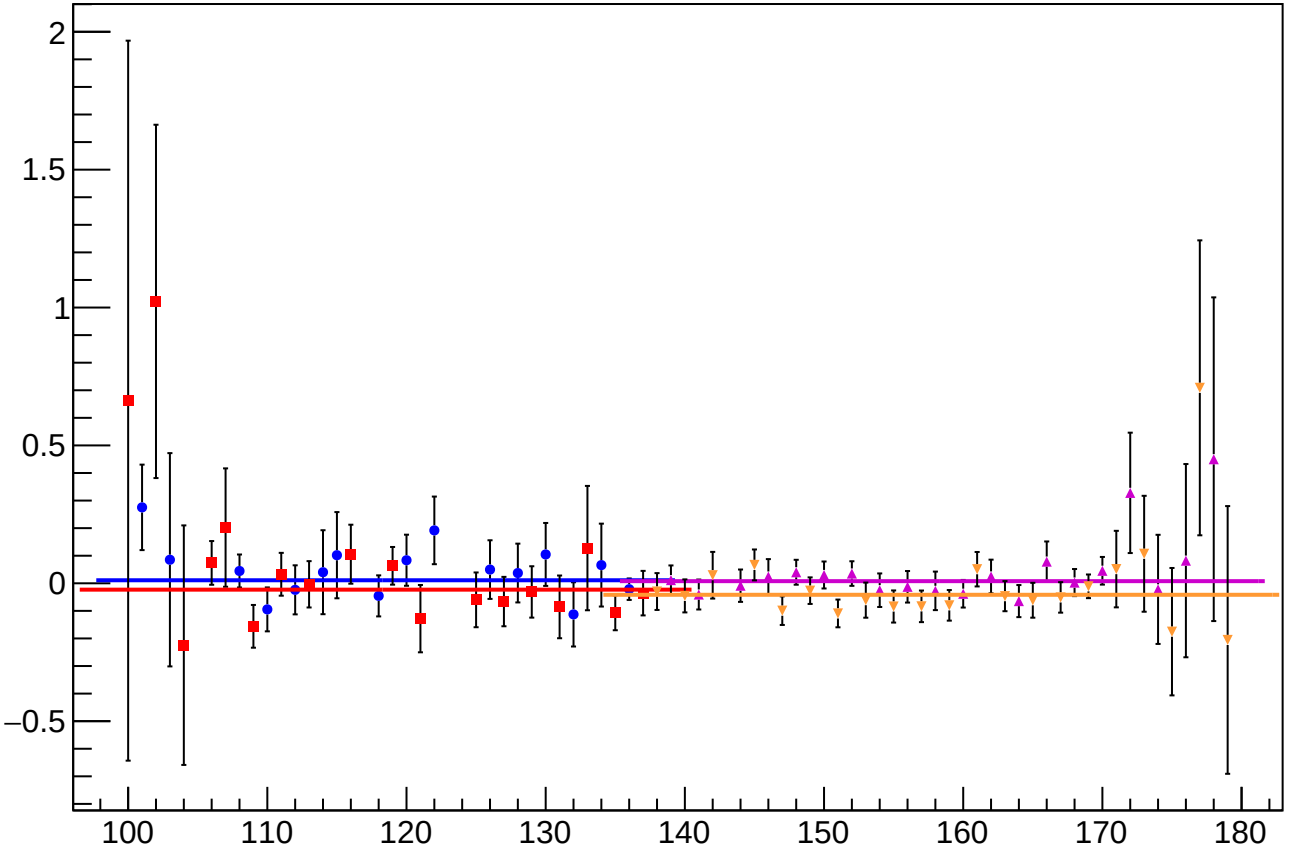
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12370208.9/35

Out: 0.002+/-0.000 χ^2/NDF:14410733.5/38

All: 0.002+/-0.000 χ^2/NDF: 26811139.3/74

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.4/40

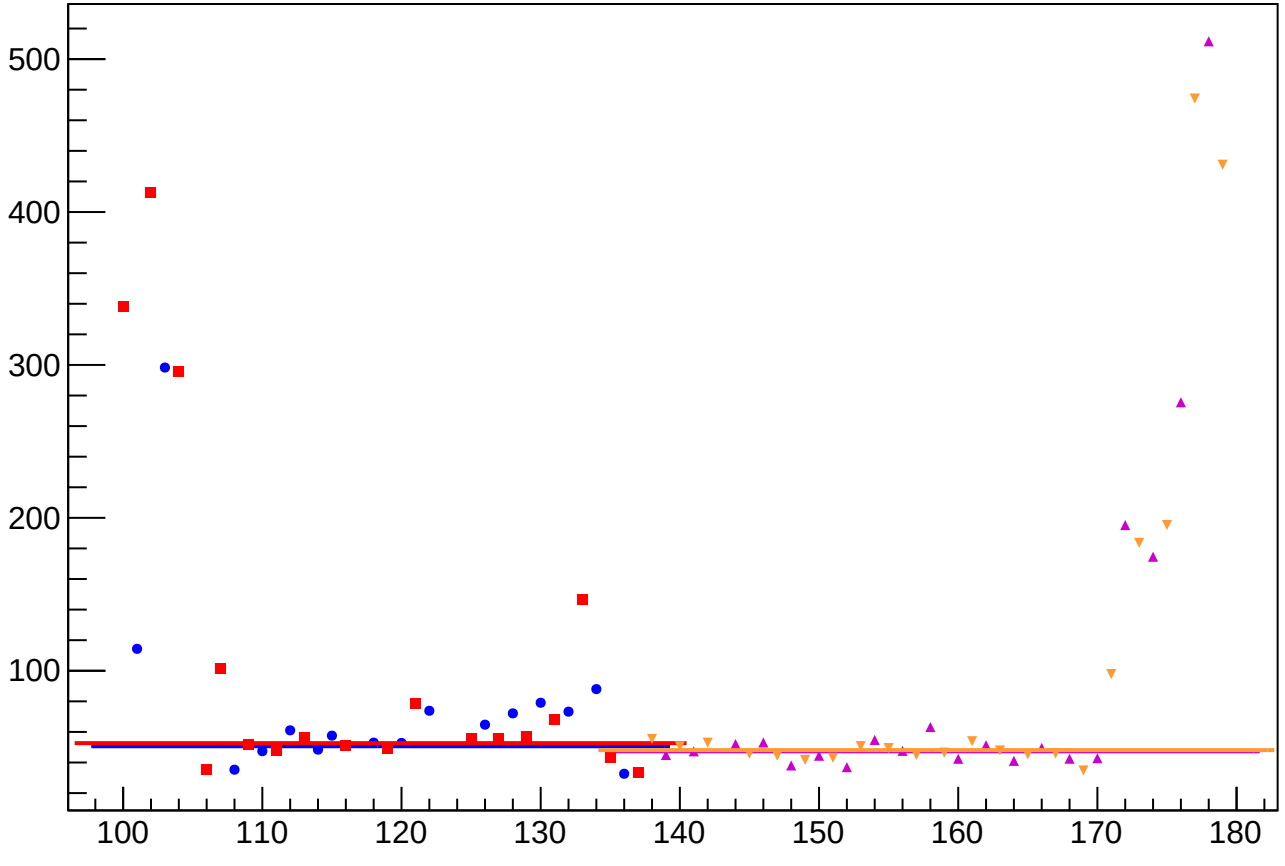
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 60.6/74

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.109+/-0.010 χ^2/NDF:4745649.8/20

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.301+/-0.010 χ^2/NDF:4300659.7/19

Left: 47.694+/-0.007 χ^2/NDF: 9049765.1/40

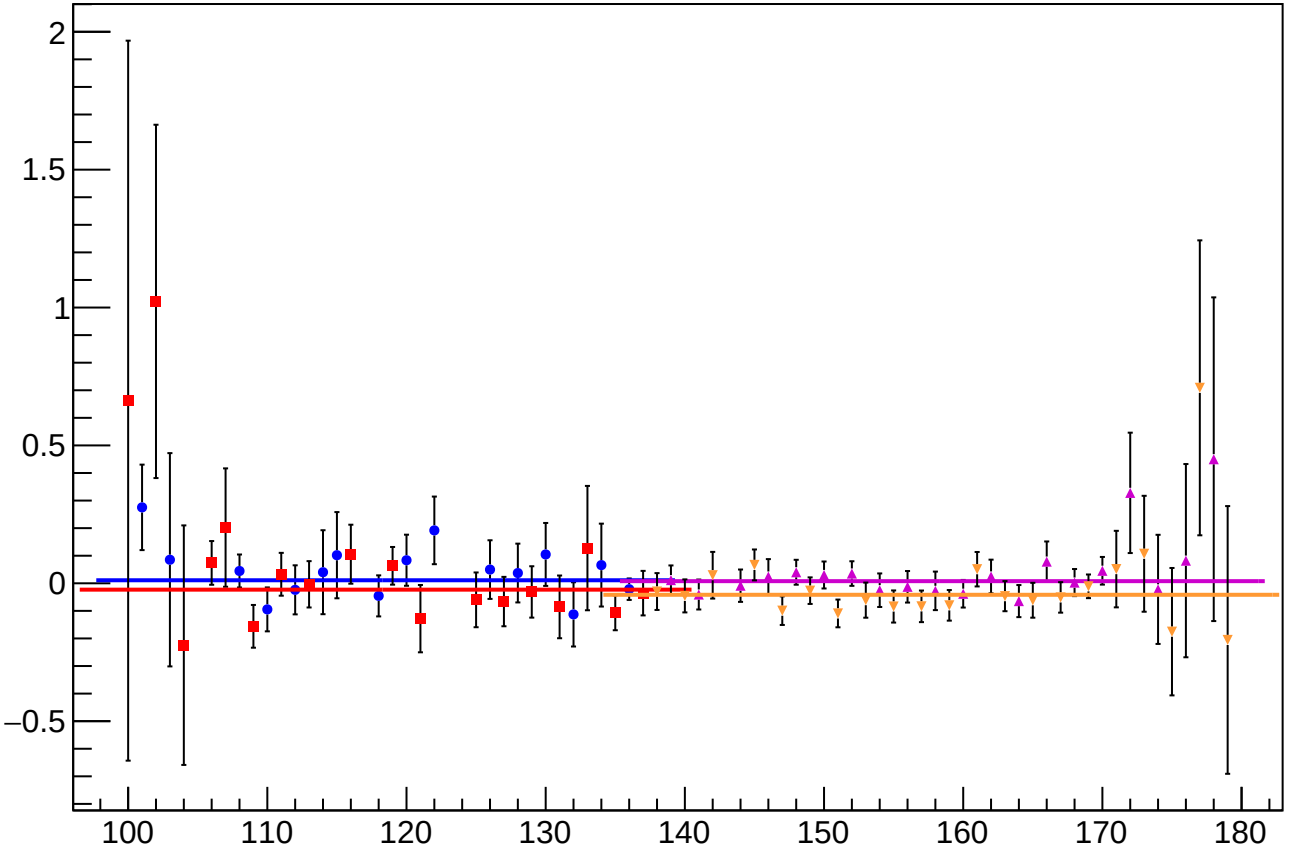
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.229+/-0.008 χ^2/NDF:6600800.1/35

Out: 49.325+/-0.008 χ^2/NDF:7014492.1/38

All: 48.758+/-0.006 χ^2/NDF: 13624028.3/74

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.5/20

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.4/40

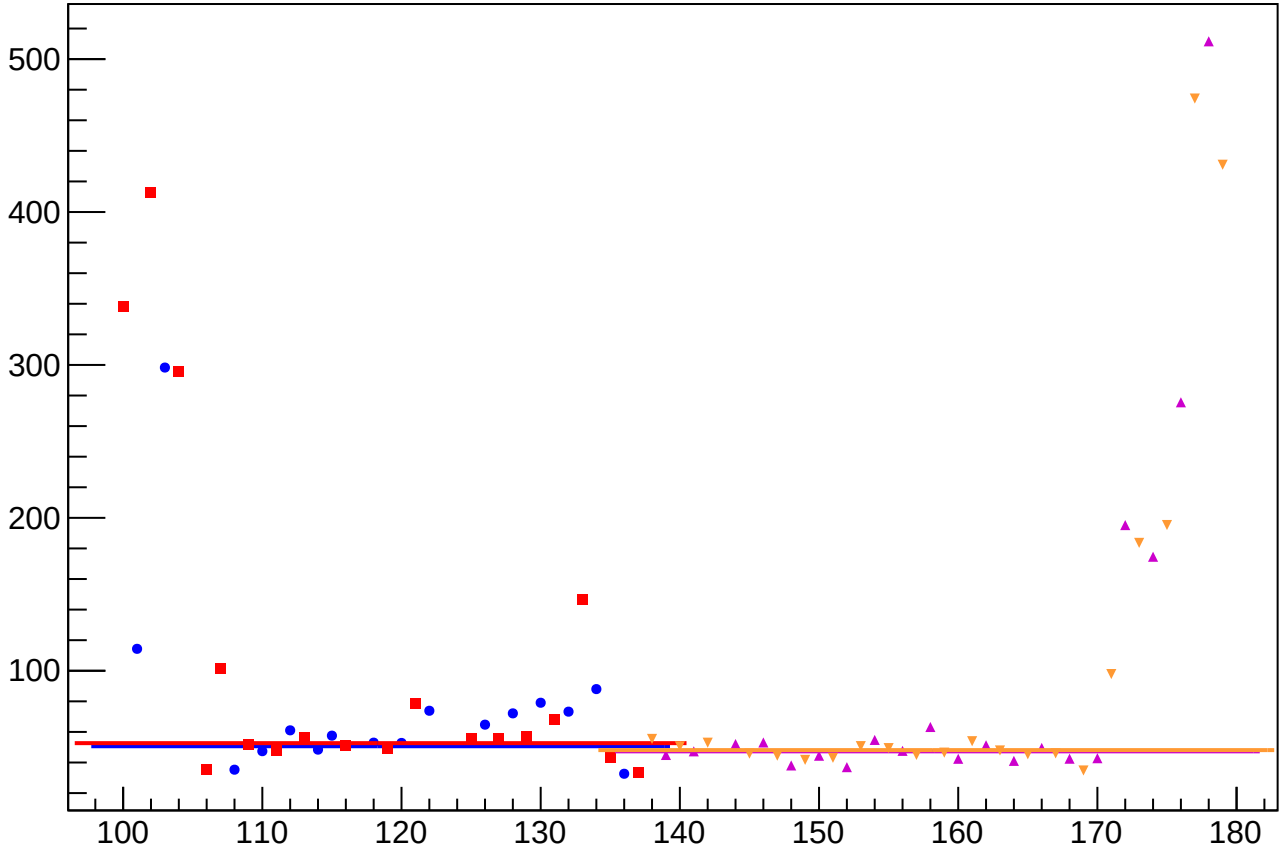
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.9/38

All: -0.013+/-0.008 χ^2/NDF: 60.6/74

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.109+/-0.010 χ^2/NDF:4745649.8/20

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.301+/-0.010 χ^2/NDF:4300659.7/19

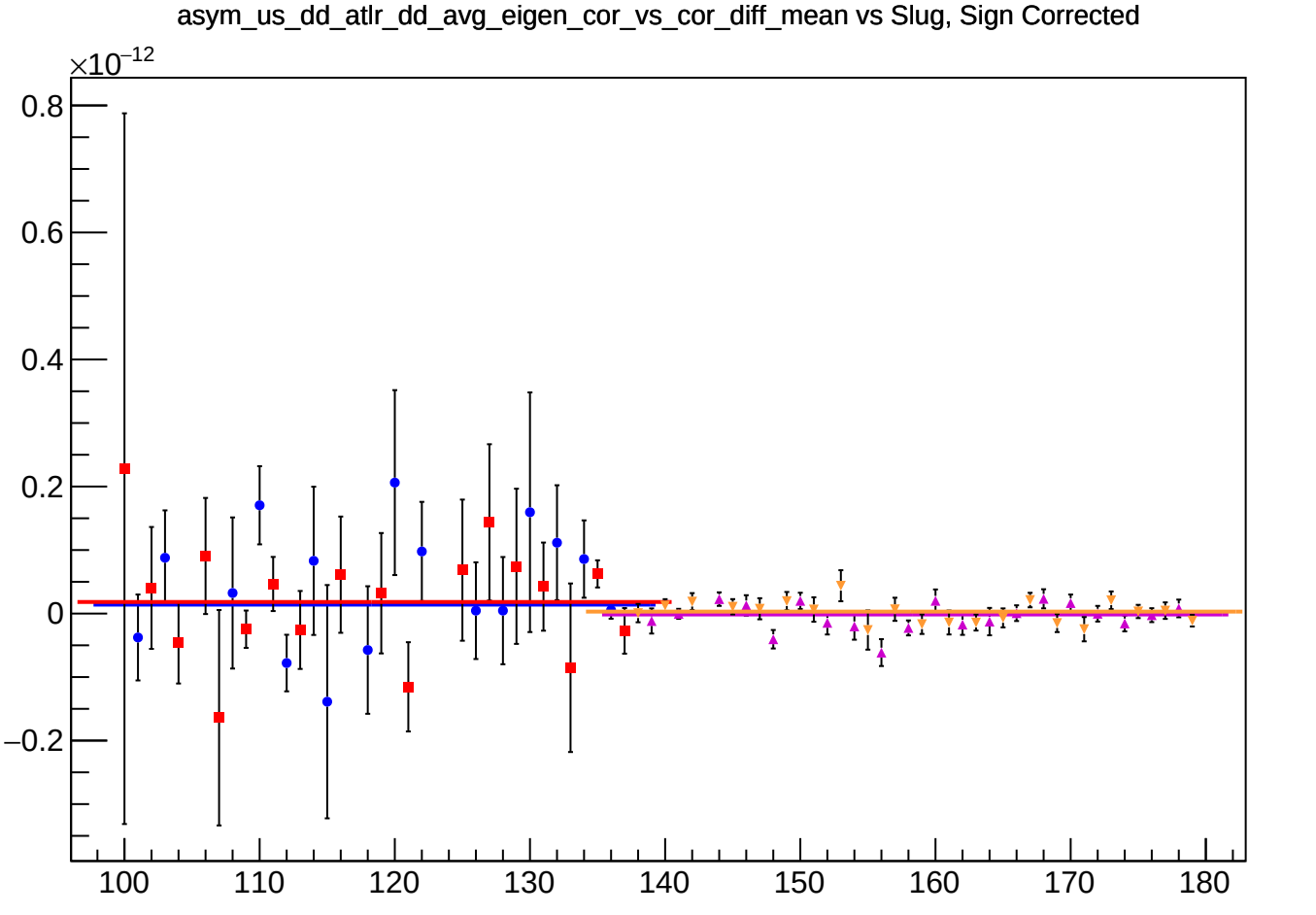
Left: 47.694+/-0.007 χ^2/NDF: 9049765.1/40

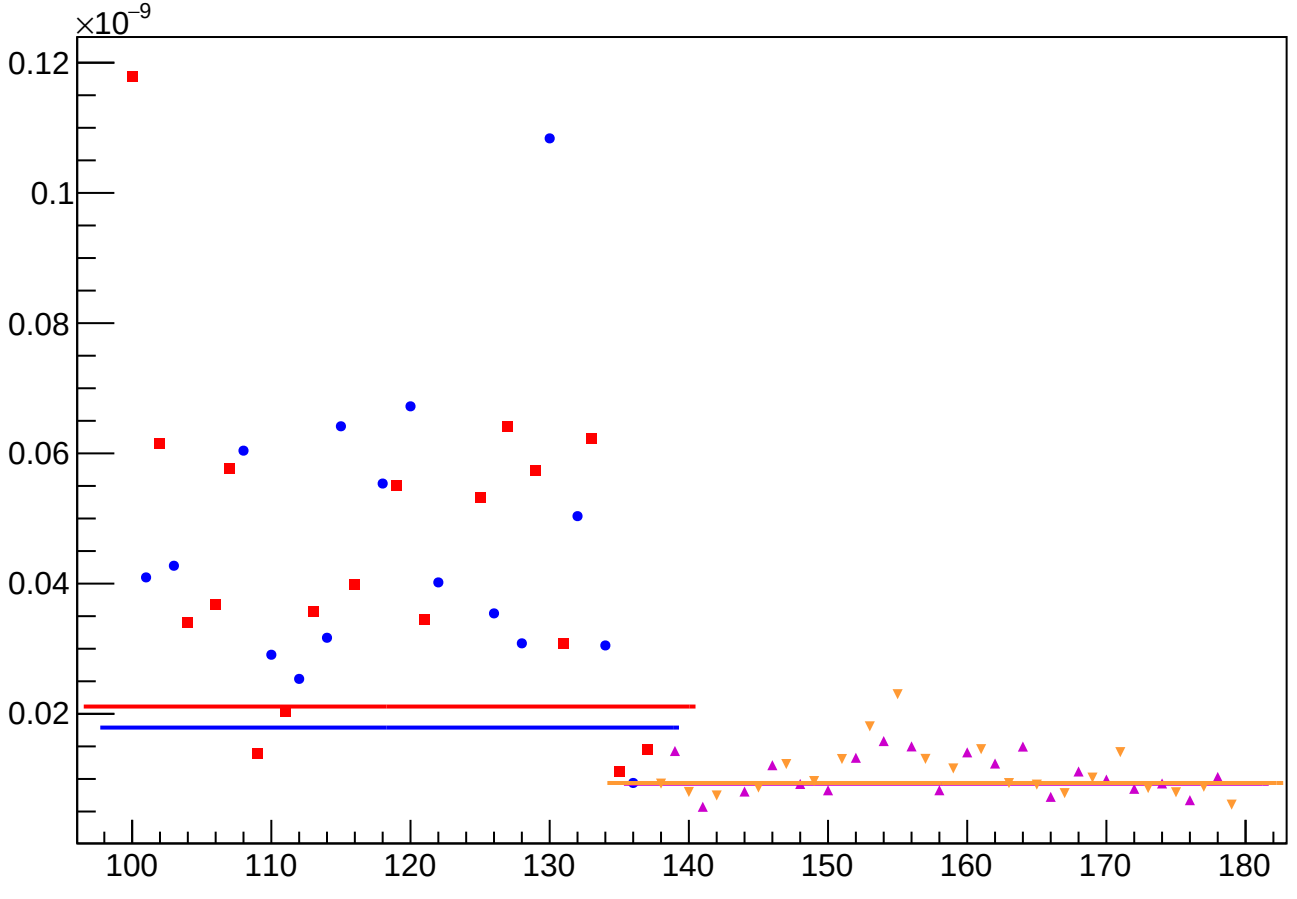
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.229+/-0.008 χ^2/NDF:6600800.1/35

Out: 49.325+/-0.008 χ^2/NDF:7014492.1/38

All: 48.758+/-0.006 χ^2/NDF: 13624028.3/74


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 20.3/15
Left Out: 0.000+/-0.000 χ²/NDF:22.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/17
Left In: -0.000+/-0.000 χ²/NDF:37.8/19
Left: 0.000+/-0.000 χ²/NDF: 61.8/40
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:59.9/35
Out: 0.000+/-0.000 χ²/NDF:42.3/38
All: 0.000+/-0.000 χ²/NDF: 103.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1617081.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1662137.9/19

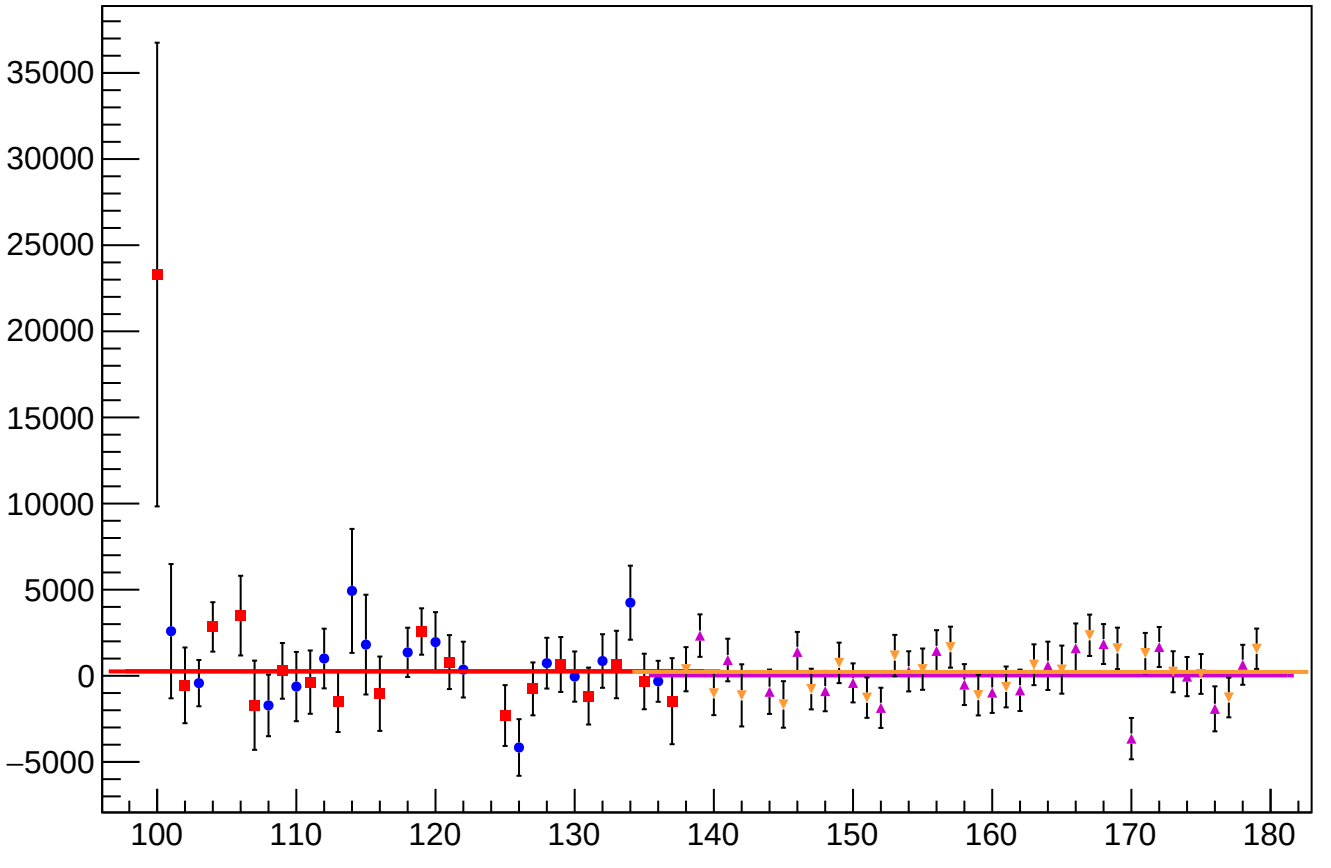
Left: 0.000+/-0.000 χ^2/NDF: 3280830.0/40

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6145289.7/35

Out: 0.000+/-0.000 χ^2/NDF:5896301.0/38

All: 0.000+/-0.000 χ^2/NDF: 12045886.7/74



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.098+/-266.733 χ^2/NDF:18.4/20

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 22.577+/-270.011 χ^2/NDF:29.9/19

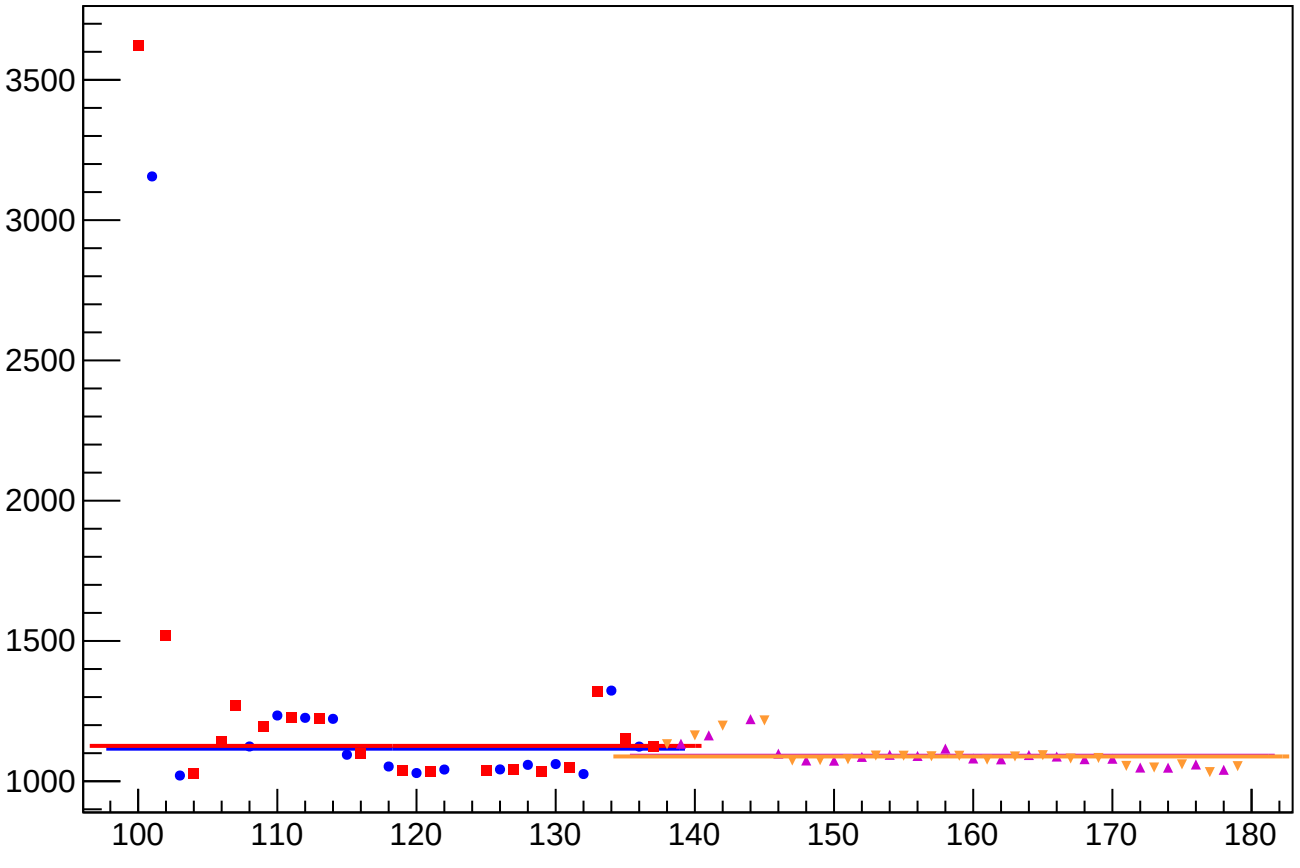
Left: 125.074+/-189.757 χ^2/NDF: 48.6/40

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 91.159+/-227.853 χ^2/NDF:47.0/35

Out: 233.788+/-226.041 χ^2/NDF:35.8/38

All: 163.043+/-160.472 χ^2/NDF: 83.0/74



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

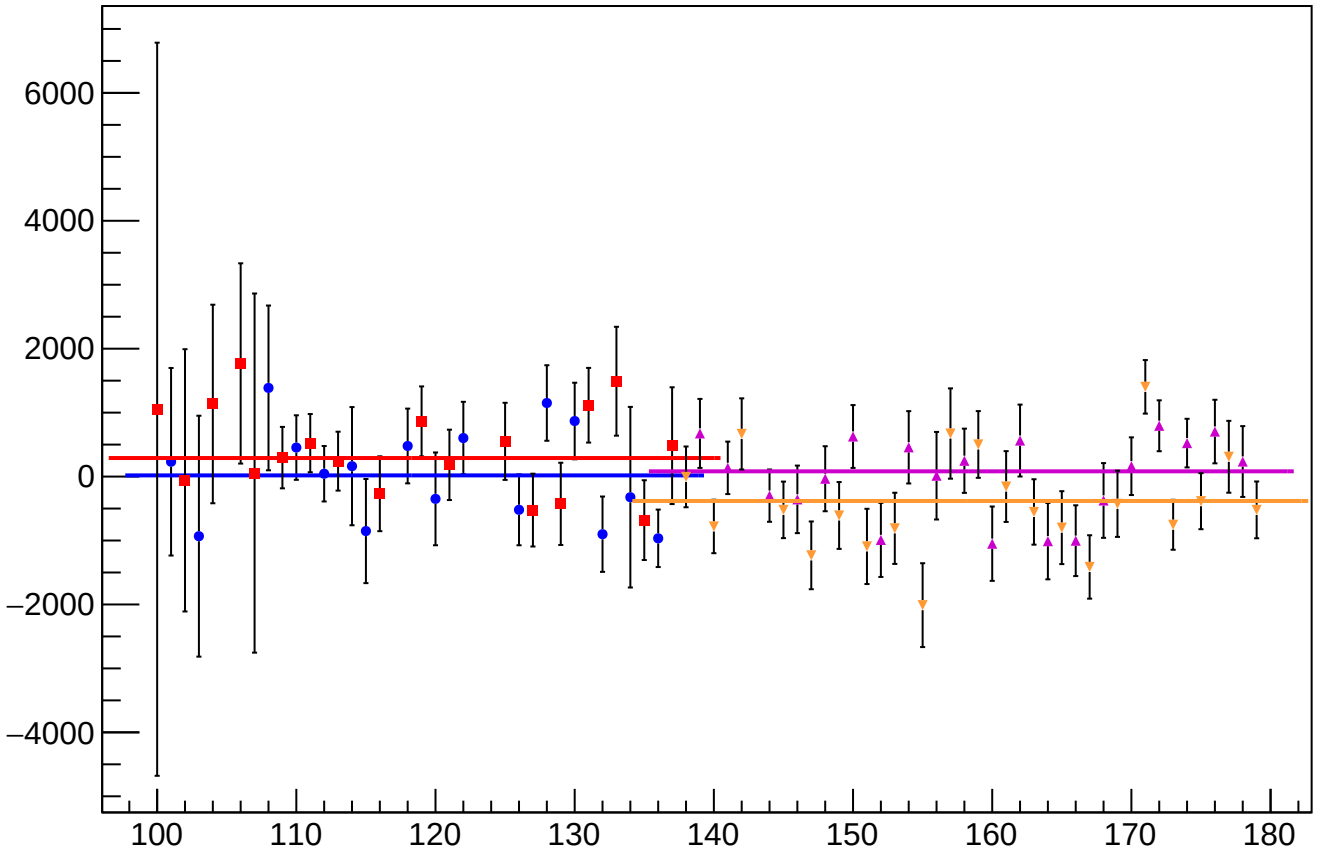
Left: 1089.598+/-0.134 χ^2/NDF: 90267.1/40

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1098.142+/-0.161 χ^2/NDF:671194.2/35

Out: 1098.958+/-0.160 χ^2/NDF:280742.0/38

All: 1098.554+/-0.113 χ^2/NDF: 951949.2/74



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -381.630+/-109.425 χ^2/NDF:47.1/20

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 82.083+/-111.983 χ^2/NDF:26.6/19

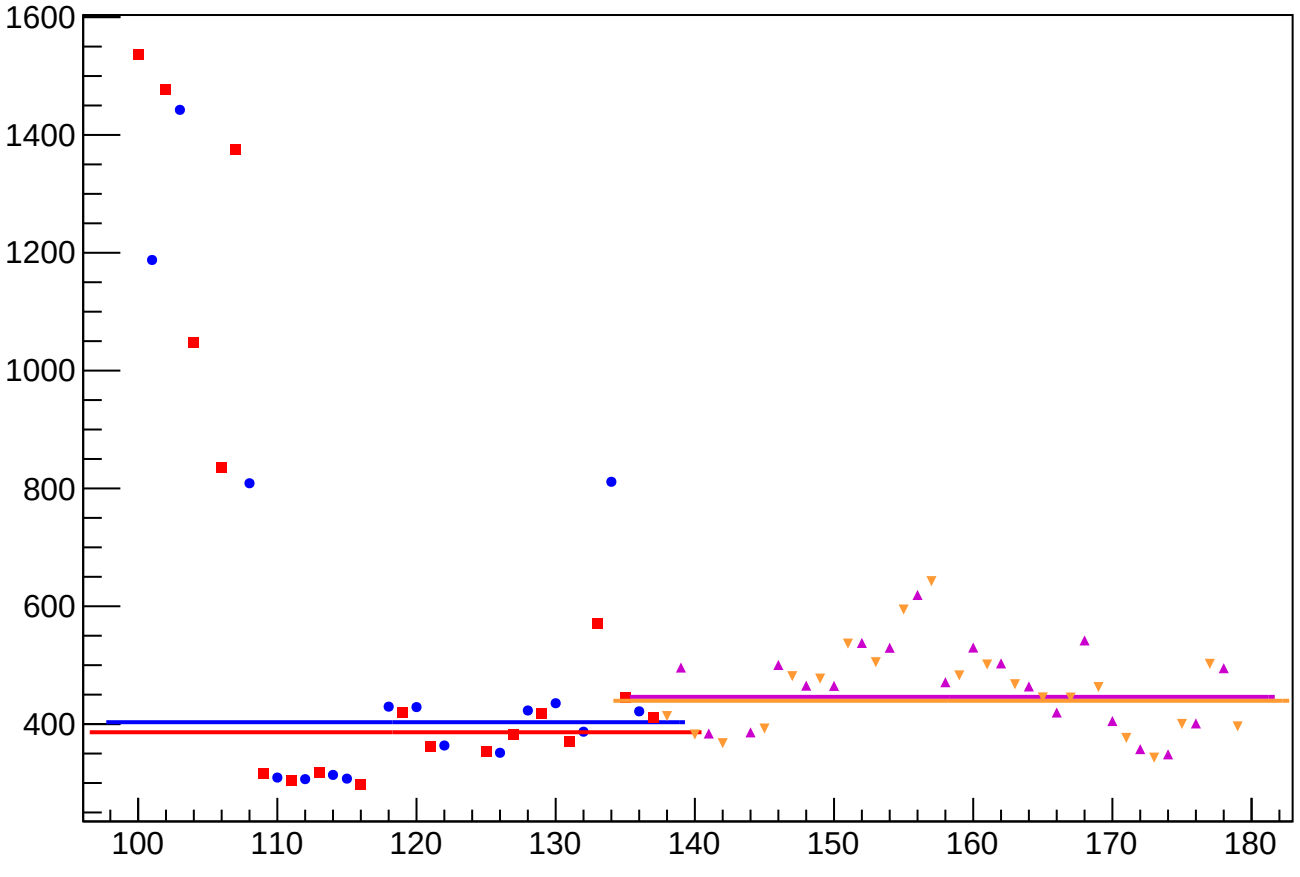
Left: -155.129+/-78.264 χ^2/NDF: 82.5/40

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 61.382+/-91.976 χ^2/NDF:45.9/35

Out: -160.523+/-89.620 χ^2/NDF:73.0/38

All: -52.449+/-64.188 χ^2/NDF: 121.9/74



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 439.585+/-0.077 χ^2/NDF:757931.2/20

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 446.205+/-0.079 χ^2/NDF:760456.7/19

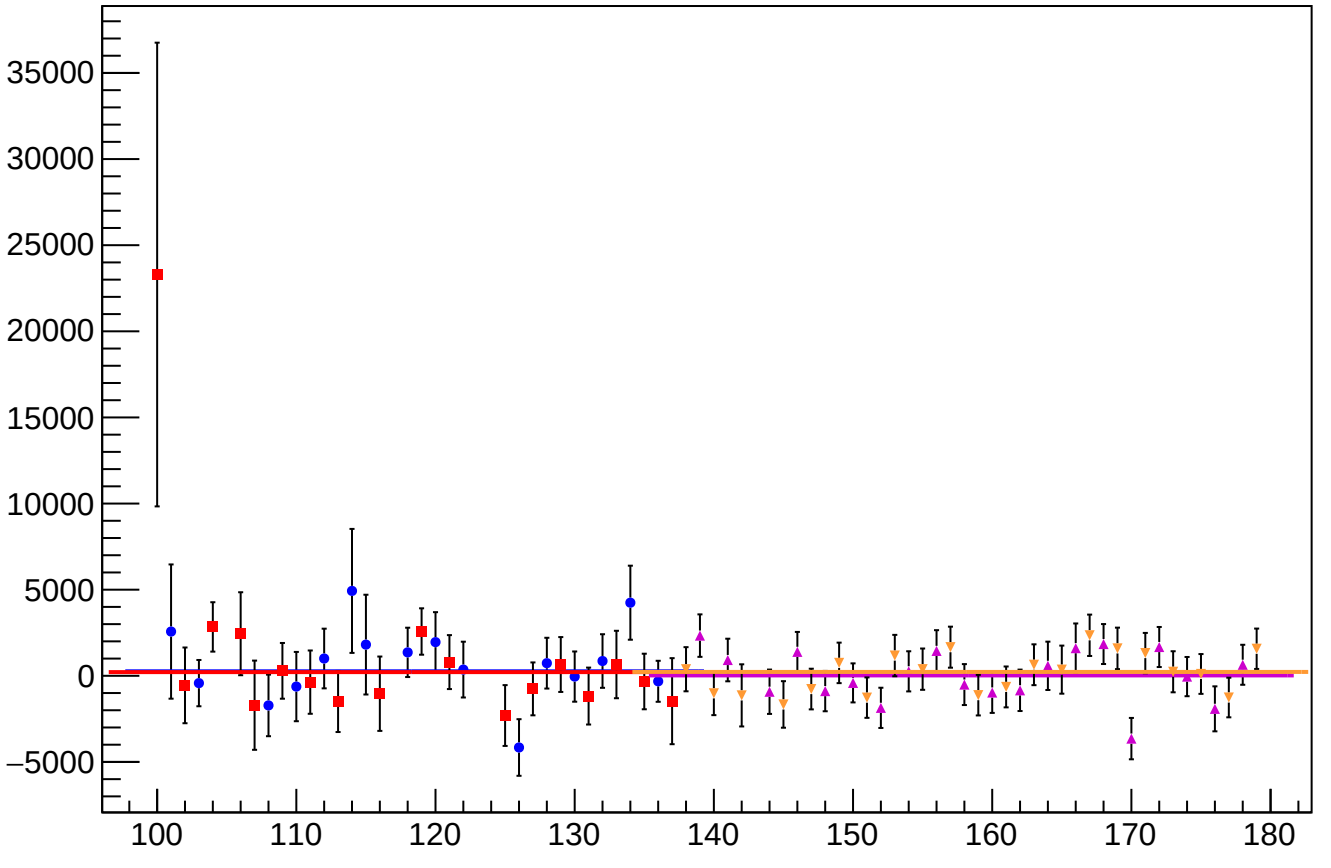
Left: 442.819+/-0.055 χ^2/NDF: 1521962.9/40

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 432.209+/-0.065 χ^2/NDF:2664896.1/35

Out: 421.991+/-0.063 χ^2/NDF:2674089.2/38

All: 426.968+/-0.045 χ^2/NDF: 5351647.3/74



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 22.578+/-270.011 χ^2/NDF:29.9/19

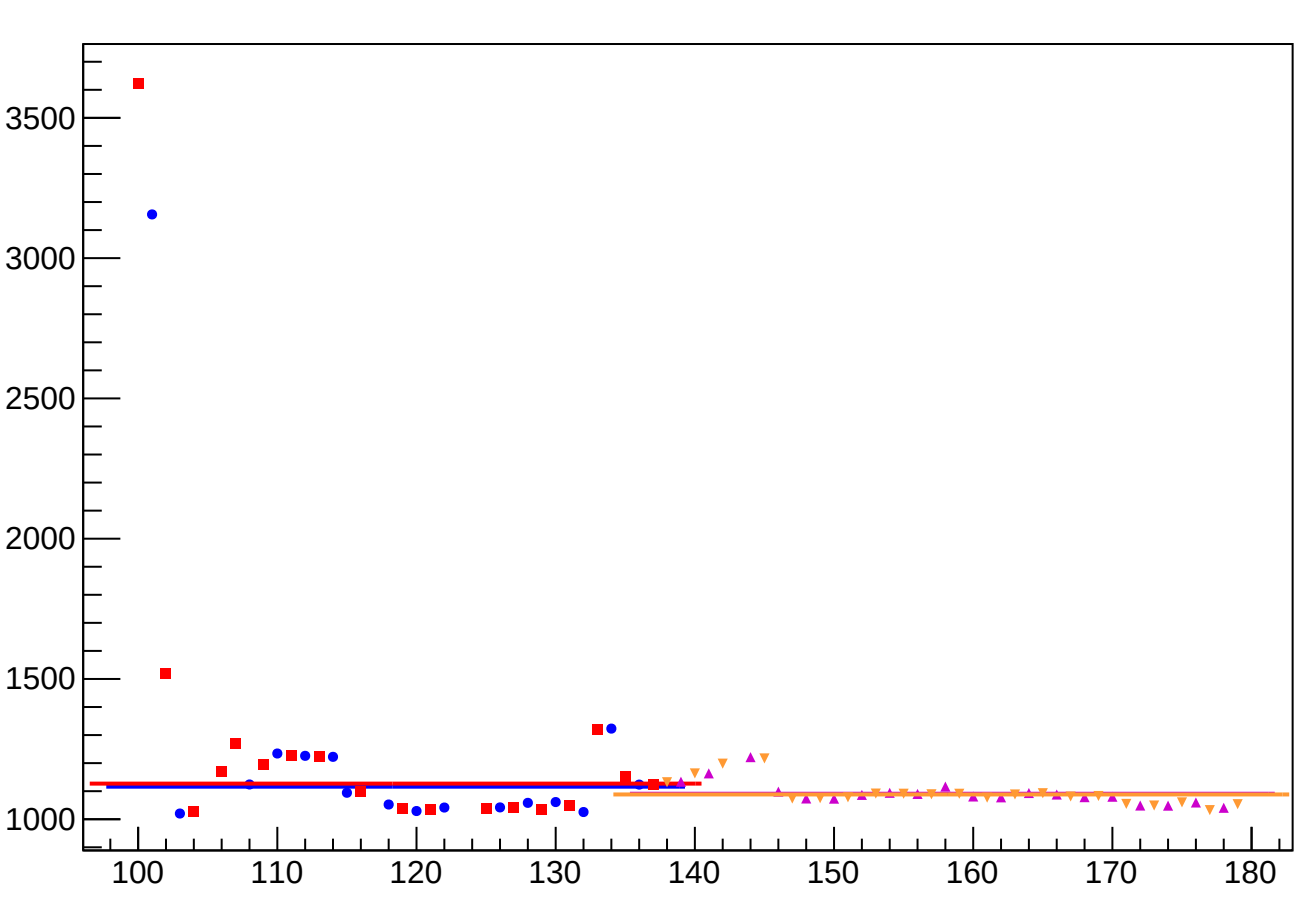
Left: 125.084+/-189.757 χ^2/NDF: 48.6/40

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 91.050+/-227.853 χ^2/NDF:47.0/35

Out: 222.130+/-226.125 χ^2/NDF:34.6/38

All: 157.089+/-160.502 χ^2/NDF: 81.8/74



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

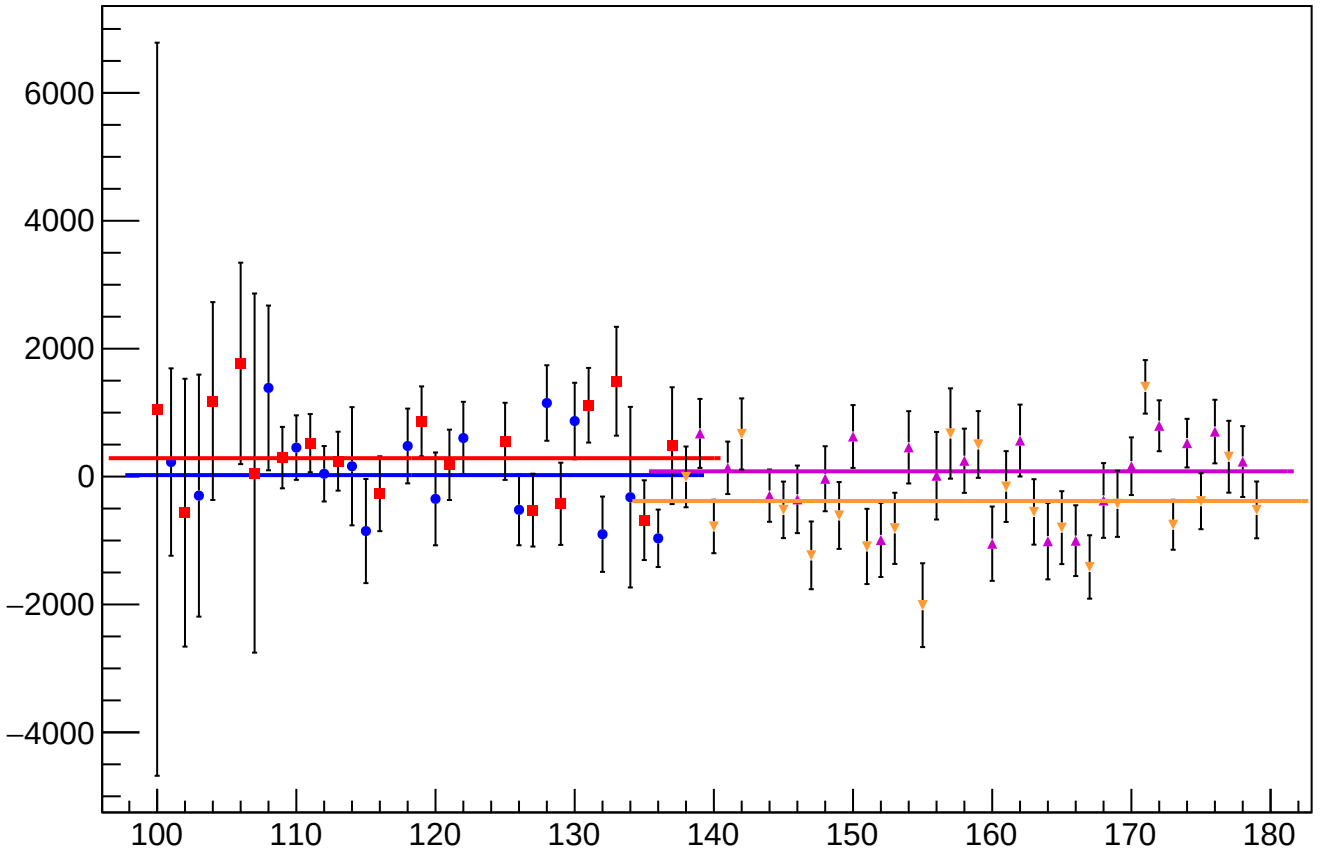
Left: 1089.598+/-0.134 χ^2/NDF: 90267.1/40

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1098.142+/-0.161 χ^2/NDF:671195.1/35

Out: 1099.204+/-0.160 χ^2/NDF:281925.1/38

All: 1098.677+/-0.113 χ^2/NDF: 953142.1/74



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -381.668+/-109.425 χ^2/NDF:47.1/20

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 82.061+/-111.983 χ^2/NDF:26.6/19

Left: -155.160+/-78.264 χ^2/NDF: 82.5/40

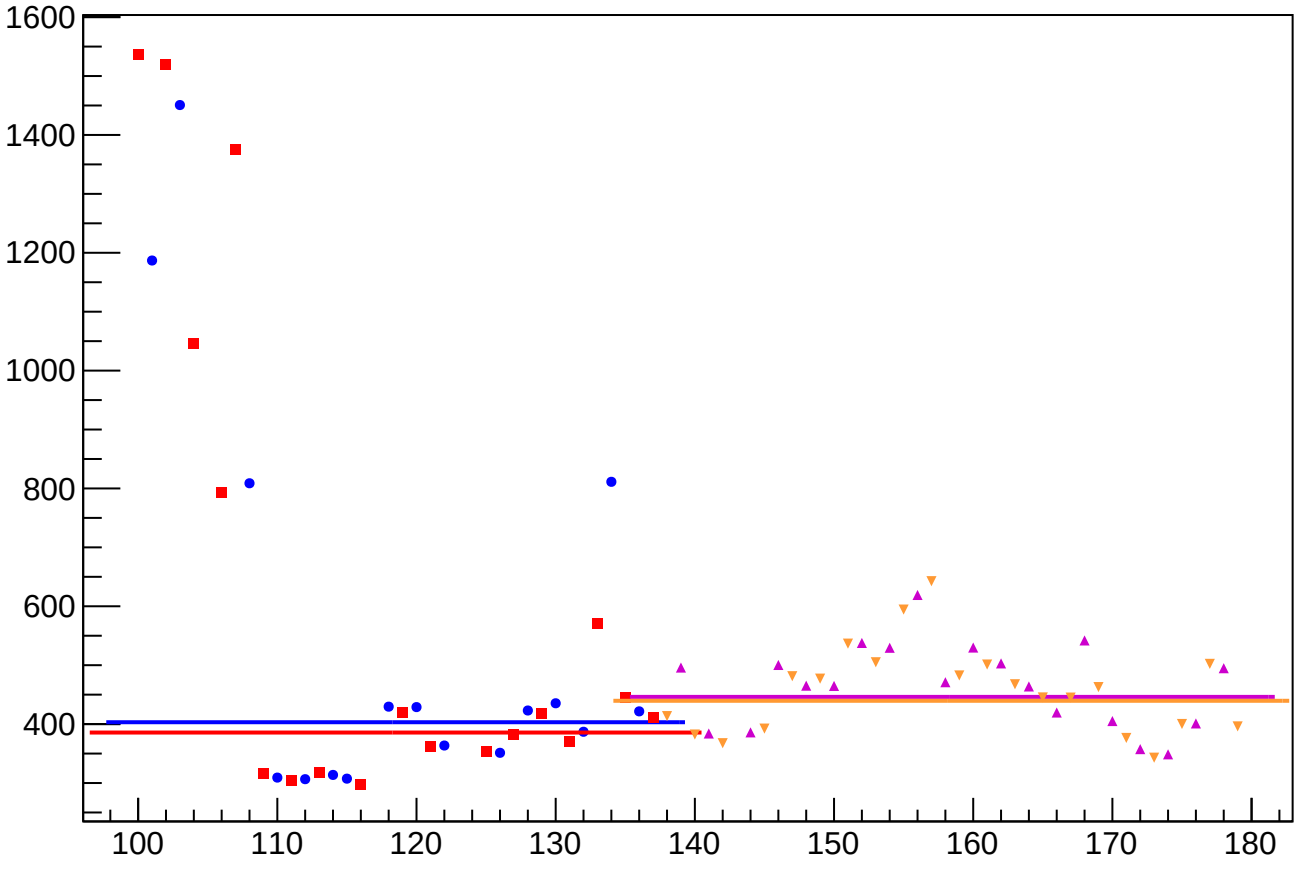
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 62.817+/-91.976 χ^2/NDF:45.6/35

Out: -161.362+/-89.624 χ^2/NDF:73.1/38

All: -52.176+/-64.189 χ^2/NDF: 121.8/74

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

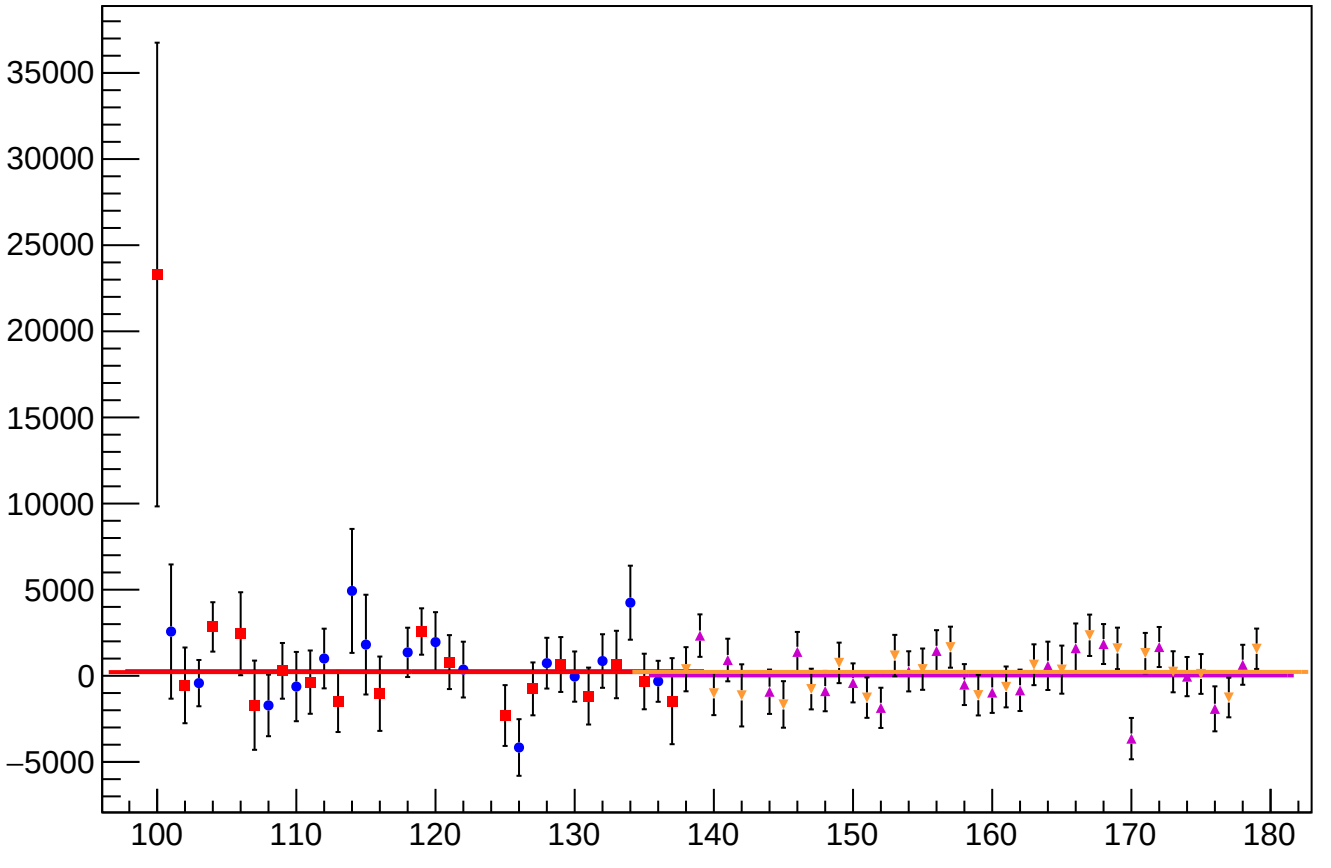
Left: 442.818+/-0.055 χ^2/NDF: 1521904.7/40

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 432.206+/-0.065 χ^2/NDF:2668507.8/35

Out: 421.841+/-0.063 χ^2/NDF:2664888.9/38

All: 426.889+/-0.045 χ^2/NDF: 5346426.5/74



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 225.116+/-266.733 χ^2/NDF:18.4/20

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 22.578+/-270.011 χ^2/NDF:29.9/19

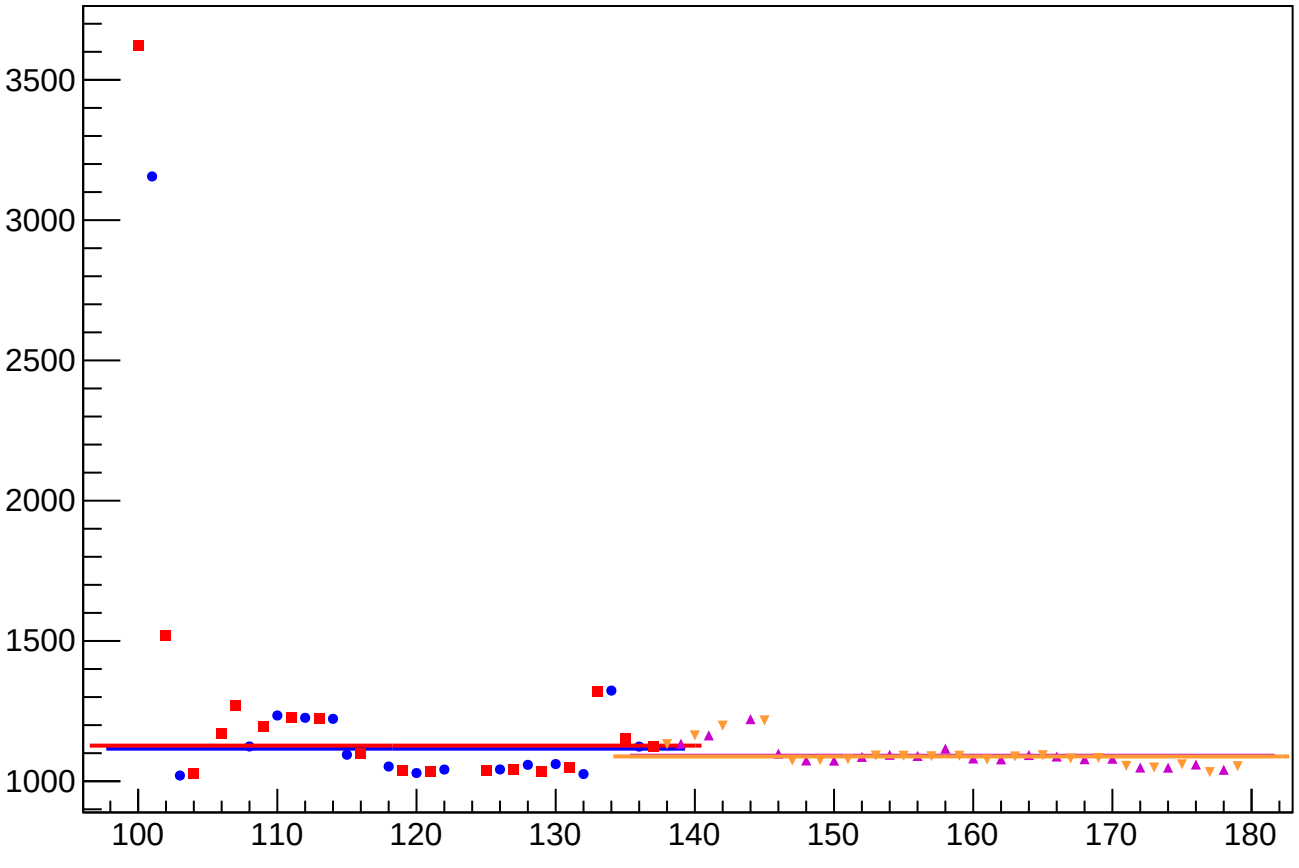
Left: 125.084+/-189.757 χ^2/NDF: 48.6/40

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 91.050+/-227.853 χ^2/NDF:47.0/35

Out: 222.130+/-226.125 χ^2/NDF:34.6/38

All: 157.089+/-160.502 χ^2/NDF: 81.8/74



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1088.340+/-0.189 χ^2/NDF:47390.0/20

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1090.887+/-0.191 χ^2/NDF:42787.0/19

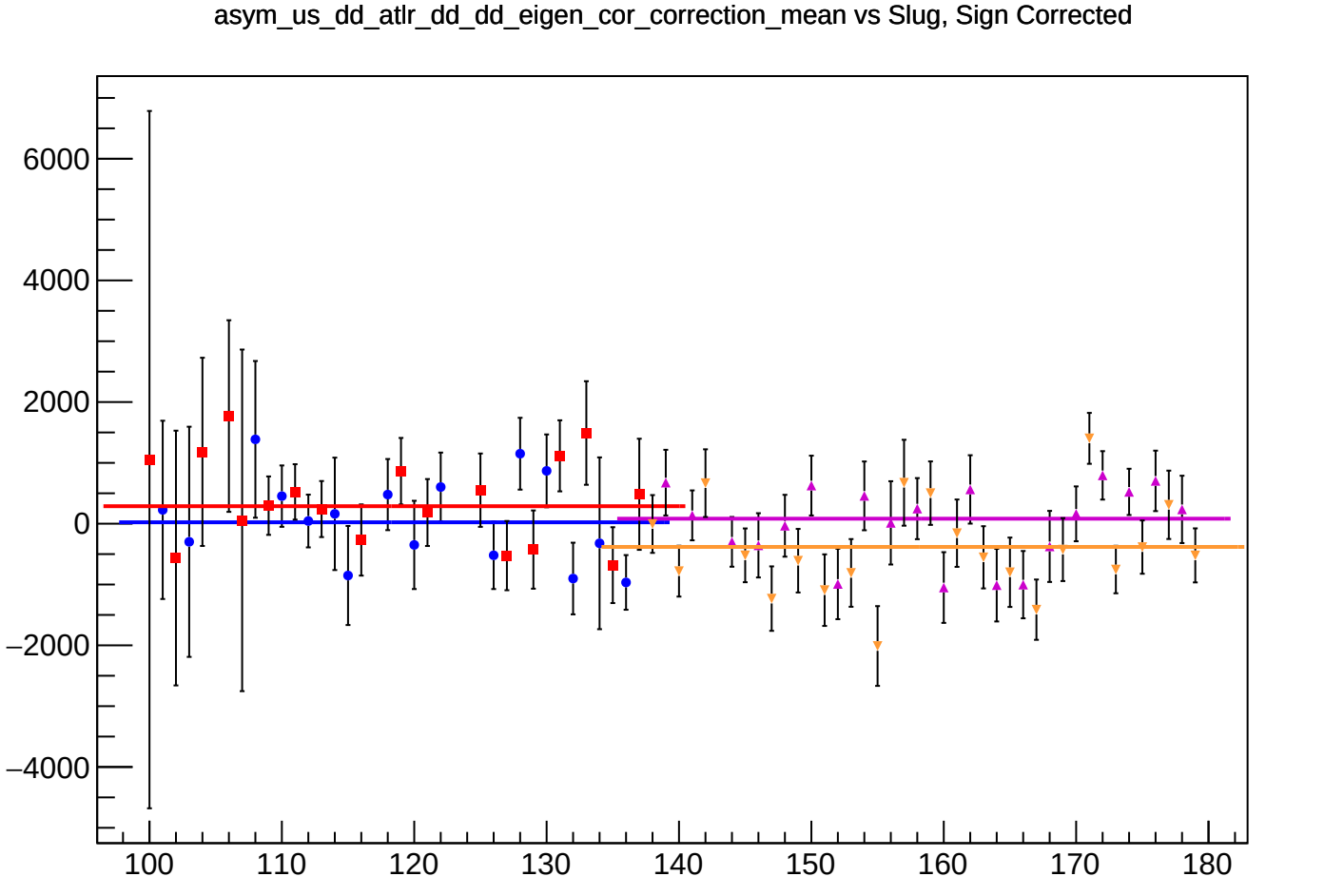
Left: 1089.598+/-0.134 χ^2/NDF: 90267.1/40

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1098.142+/-0.161 χ^2/NDF:671195.1/35

Out: 1099.204+/-0.160 χ^2/NDF:281925.1/38

All: 1098.677+/-0.113 χ^2/NDF: 953142.1/74



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -381.668+/-109.425 χ^2/NDF:47.1/20

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 82.061+/-111.983 χ^2/NDF:26.6/19

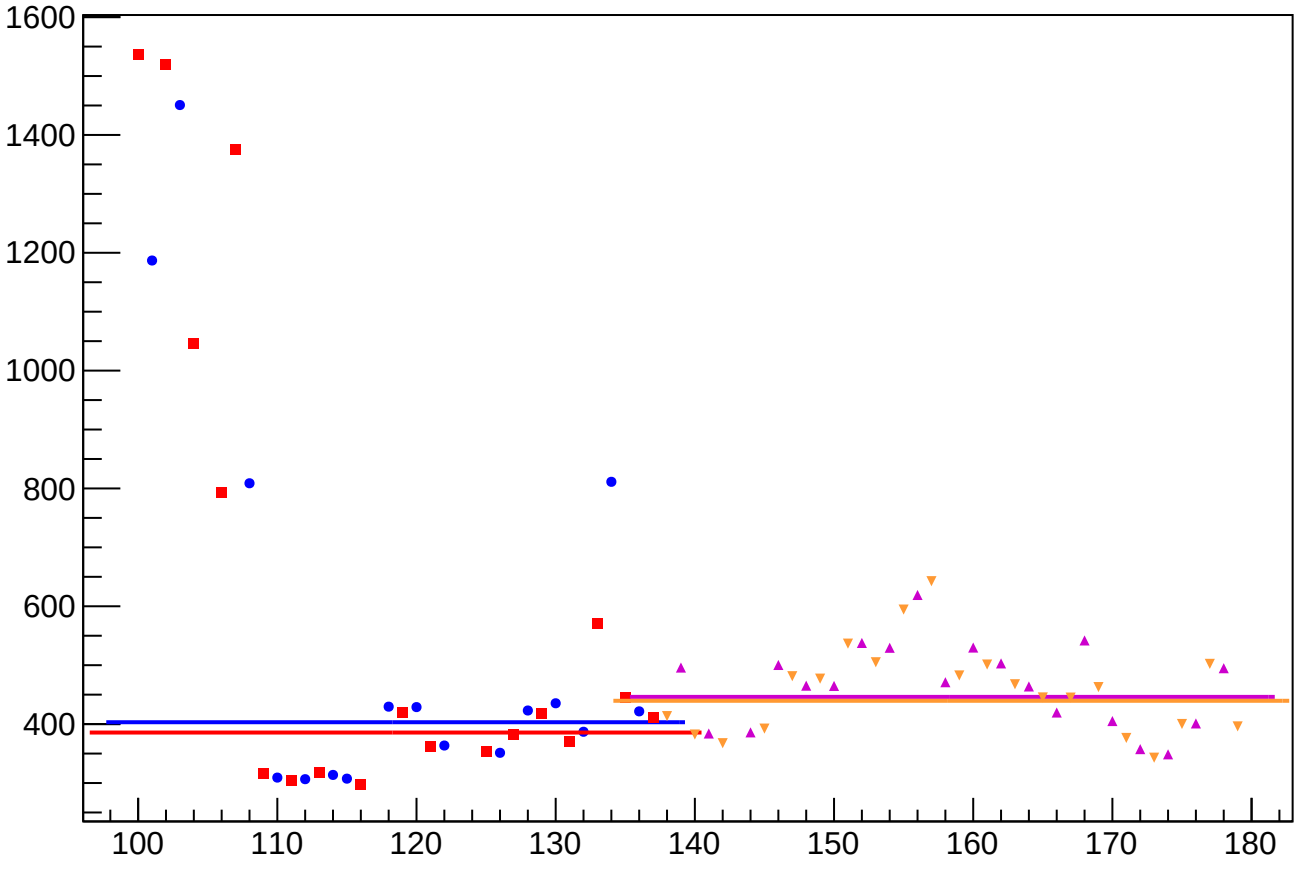
Left: -155.160+/-78.264 χ^2/NDF: 82.5/40

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 62.817+/-91.976 χ^2/NDF:45.6/35

Out: -161.362+/-89.624 χ^2/NDF:73.1/38

All: -52.176+/-64.189 χ^2/NDF: 121.8/74



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 439.583+/-0.077 χ^2/NDF:757993.7/20

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

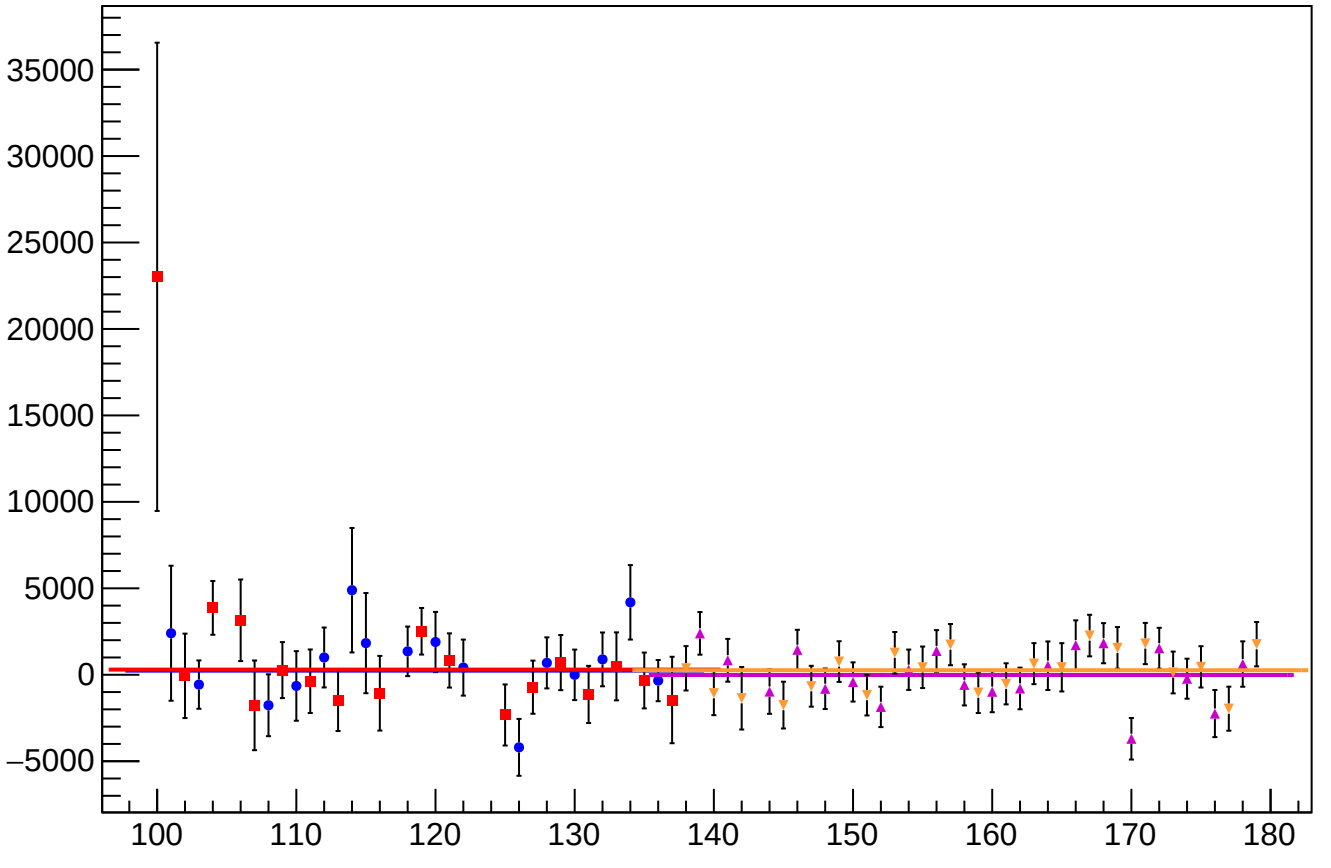
Left: 442.818+/-0.055 χ^2/NDF: 1521904.7/40

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 432.206+/-0.065 χ^2/NDF:2668507.8/35

Out: 421.841+/-0.063 χ^2/NDF:2664888.9/38

All: 426.889+/-0.045 χ^2/NDF: 5346426.5/74



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 260.625+/-270.386 χ^2/NDF:20.5/20

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -13.746+/-272.834 χ^2/NDF:30.4/19

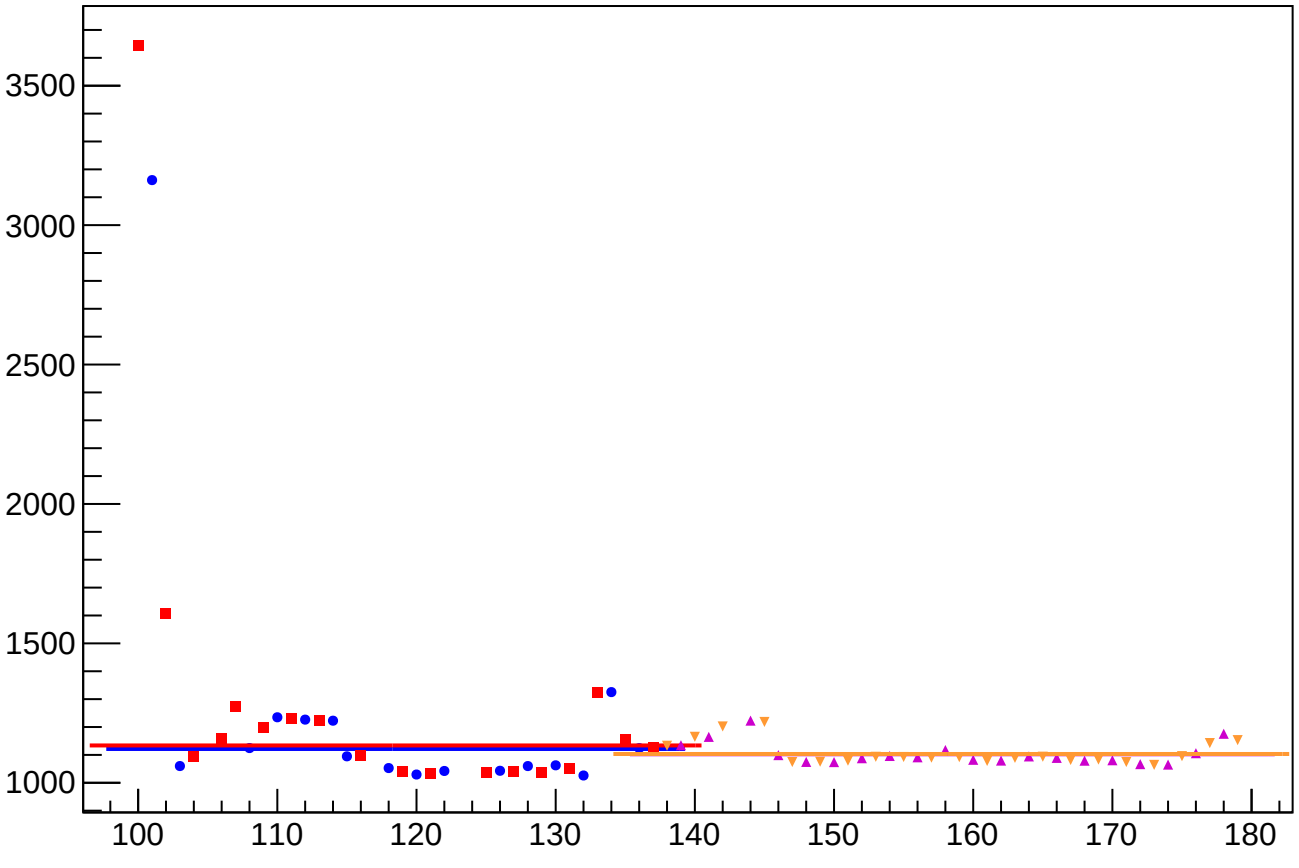
Left: 124.675+/-192.052 χ^2/NDF: 51.4/40

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 60.156+/-229.846 χ^2/NDF:47.6/35

Out: 271.448+/-229.010 χ^2/NDF:39.2/38

All: 166.187+/-162.229 χ^2/NDF: 87.3/74



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.285+/-0.191 χ^2/NDF:40698.8/20

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.264+/-0.193 χ^2/NDF:40195.5/19

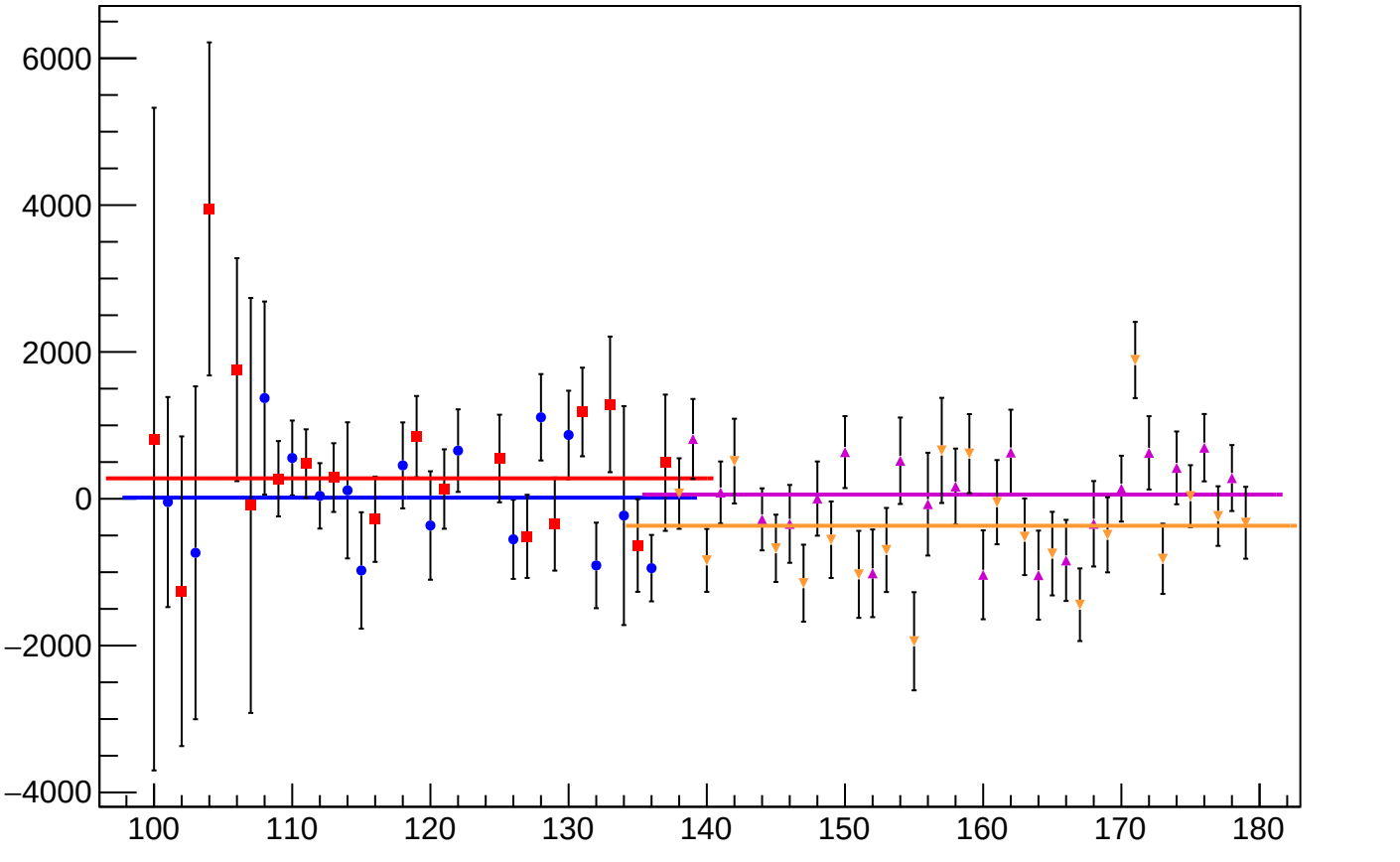
Left: 1102.779+/-0.136 χ^2/NDF: 80908.5/40

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

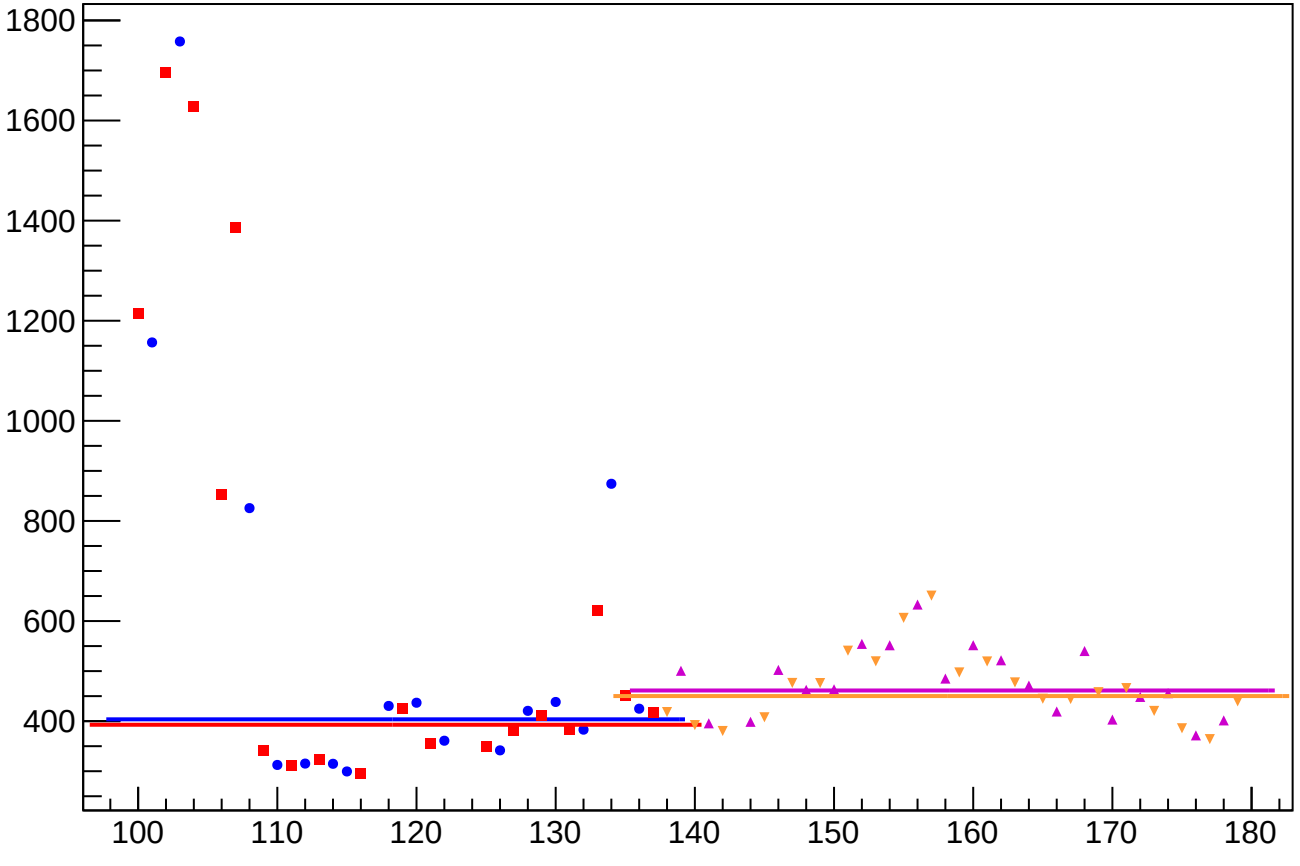
In: 1107.788+/-0.163 χ^2/NDF:660048.5/35

Out: 1111.946+/-0.162 χ^2/NDF:275416.8/38

All: 1109.875+/-0.115 χ^2/NDF: 935793.7/74


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -367.471+/-111.800 χ²/NDF:46.1/20
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: 57.087+/-115.420 χ²/NDF:23.1/19
Left: -161.954+/-80.304 χ²/NDF: 76.3/40
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: 42.997+/-93.971 χ²/NDF:42.8/35
Out: -153.530+/-91.422 χ²/NDF:72.3/38
All: -57.968+/-65.528 χ²/NDF: 117.3/74

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 450.146+/-0.079 χ^2/NDF:641681.1/20

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 461.302+/-0.082 χ^2/NDF:596716.7/19

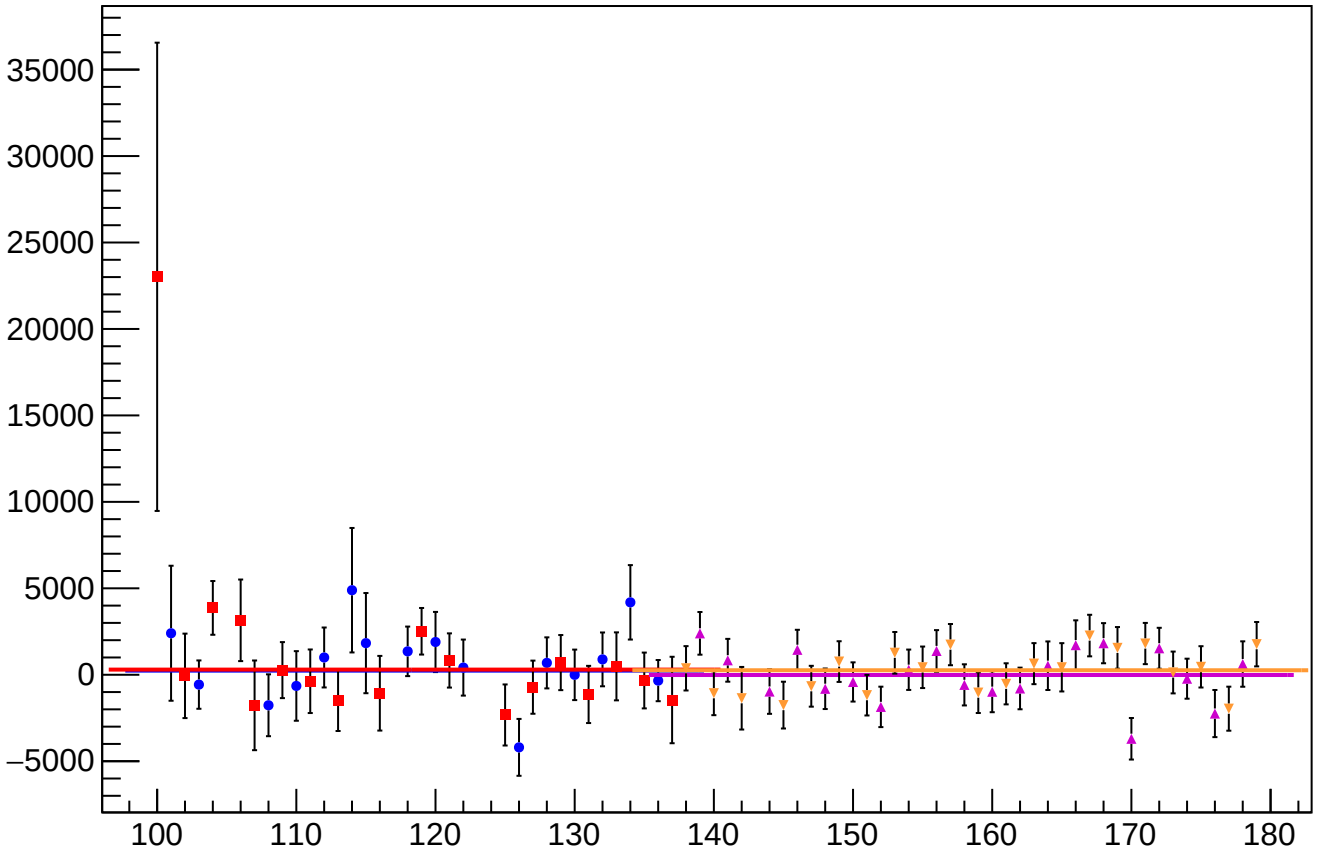
Left: 455.546+/-0.057 χ^2/NDF: 1248038.4/40

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 441.868+/-0.066 χ^2/NDF:2694506.4/35

Out: 431.153+/-0.065 χ^2/NDF:3019353.9/38

All: 436.363+/-0.046 χ^2/NDF: 5727220.4/74



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 260.622+/-270.386 χ^2/NDF:20.5/20

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -13.745+/-272.834 χ^2/NDF:30.4/19

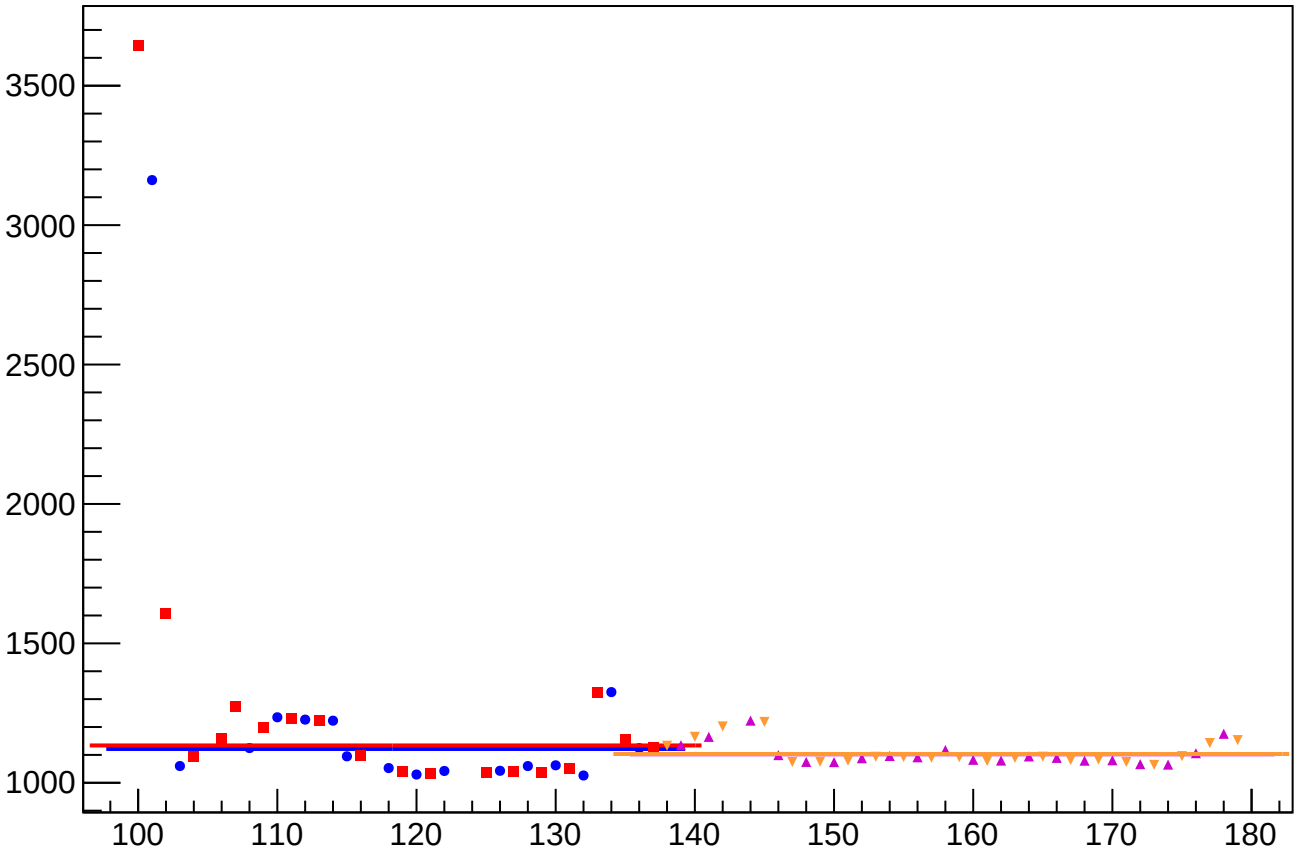
Left: 124.675+/-192.052 χ^2/NDF: 51.4/40

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 60.158+/-229.846 χ^2/NDF:47.6/35

Out: 271.447+/-229.010 χ^2/NDF:39.2/38

All: 166.187+/-162.229 χ^2/NDF: 87.3/74



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1103.285+/-0.191 χ^2/NDF:40699.2/20

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1102.264+/-0.193 χ^2/NDF:40195.7/19

Left: 1102.779+/-0.136 χ^2/NDF: 80909.0/40

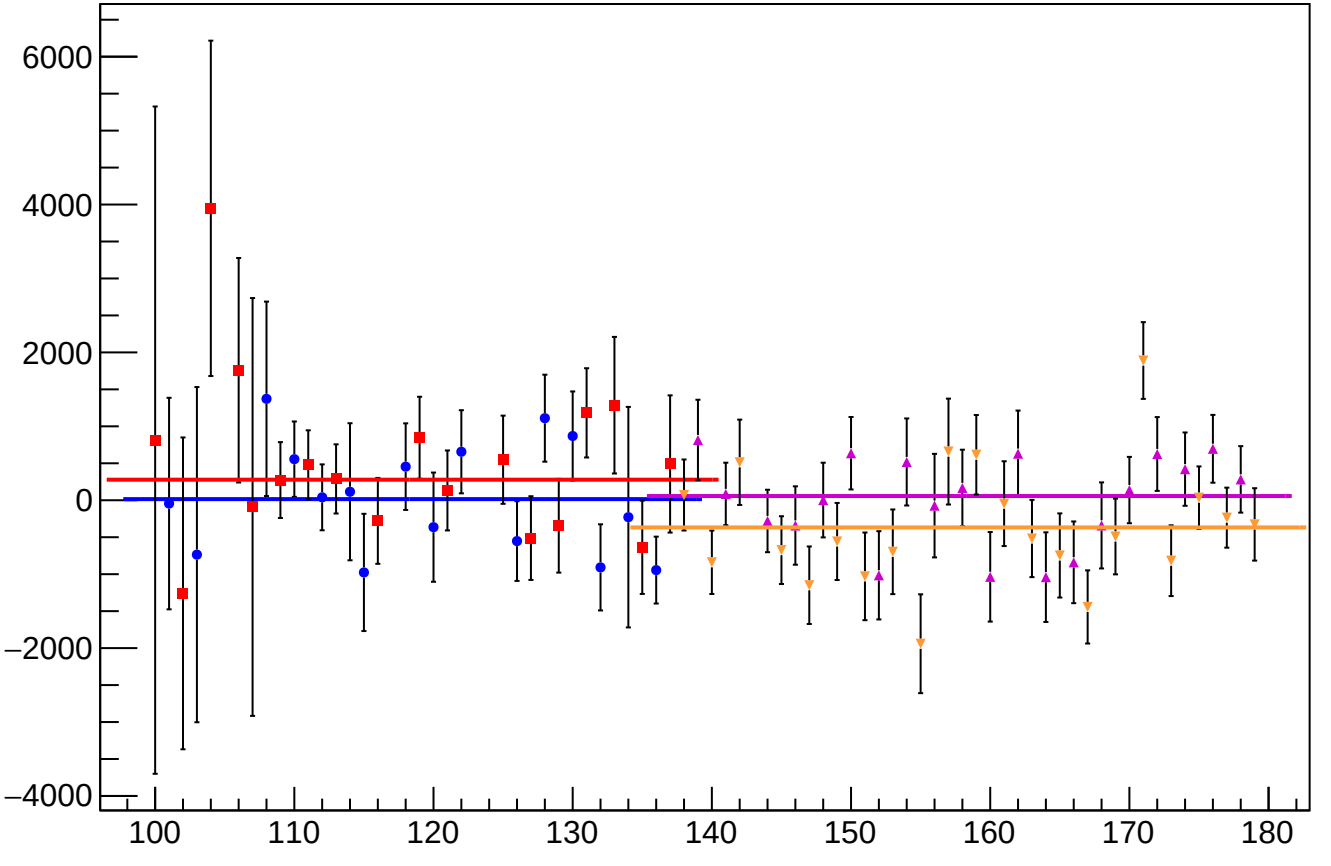
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1107.788+/-0.163 χ^2/NDF:660048.8/35

Out: 1111.946+/-0.162 χ^2/NDF:275417.2/38

All: 1109.875+/-0.115 χ^2/NDF: 935794.4/74

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -367.473+/-111.800 χ^2/NDF:46.1/20

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 57.088+/-115.420 χ^2/NDF:23.1/19

Left: -161.954+/-80.304 χ^2/NDF: 76.3/40

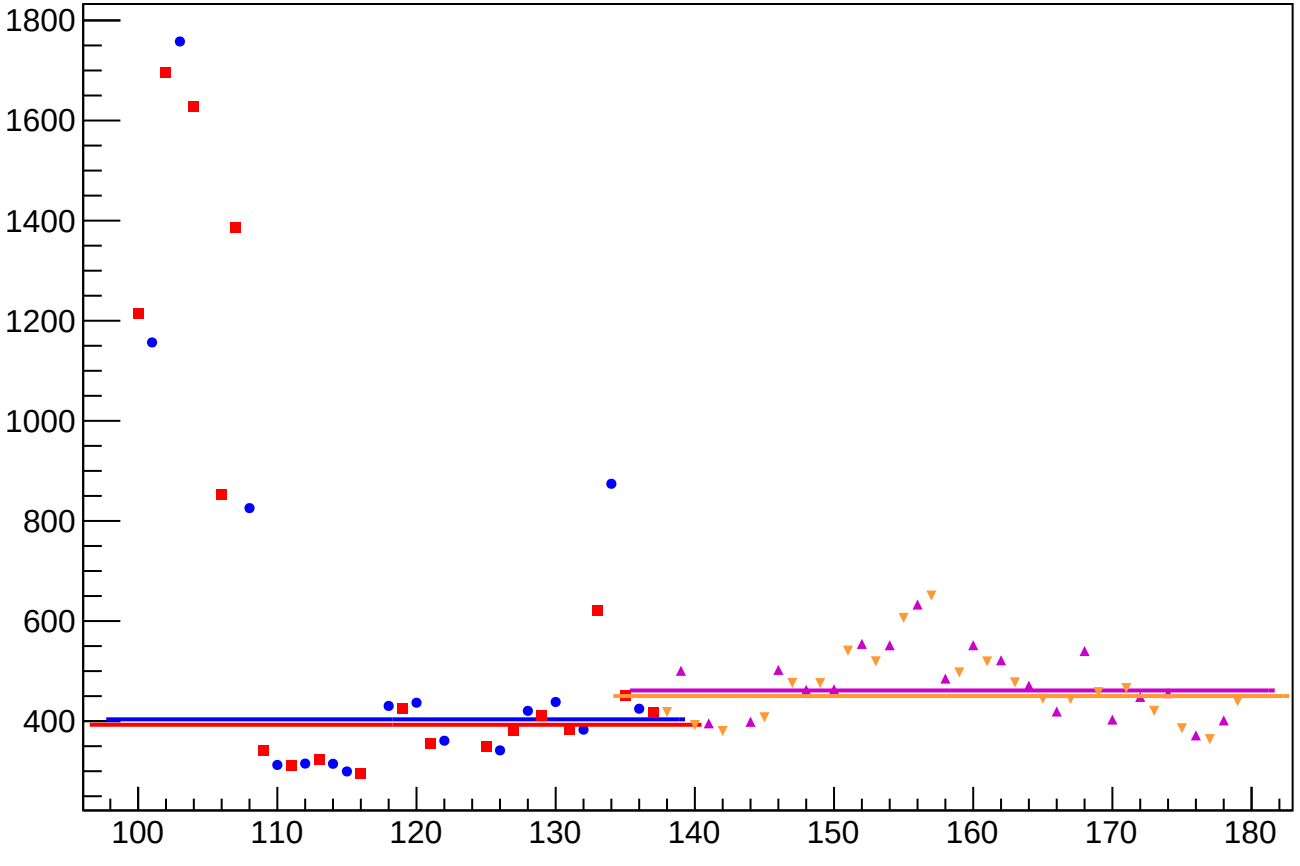
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 42.996+/-93.971 χ^2/NDF:42.8/35

Out: -153.529+/-91.422 χ^2/NDF:72.3/38

All: -57.969+/-65.528 χ^2/NDF: 117.3/74

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 450.146+/-0.079 χ^2/NDF:641700.5/20

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 461.303+/-0.082 χ^2/NDF:596727.7/19

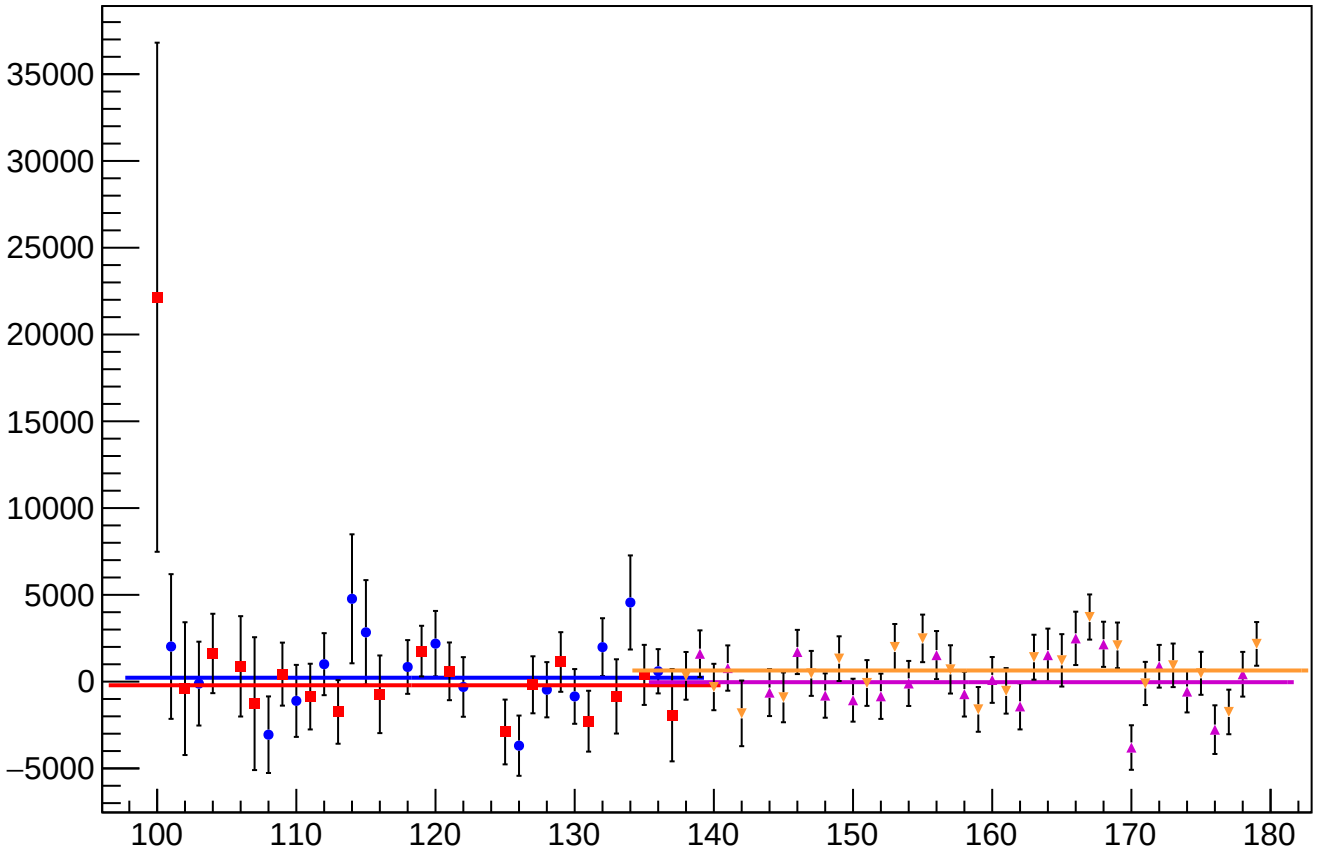
Left: 455.546+/-0.057 χ^2/NDF: 1248069.5/40

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 441.867+/-0.066 χ^2/NDF:2694535.5/35

Out: 431.151+/-0.065 χ^2/NDF:3019400.6/38

All: 436.362+/-0.046 χ^2/NDF: 5727297.1/74



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 642.073+/-291.032 χ^2/NDF:23.4/20

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -31.949+/-294.618 χ^2/NDF:27.9/19

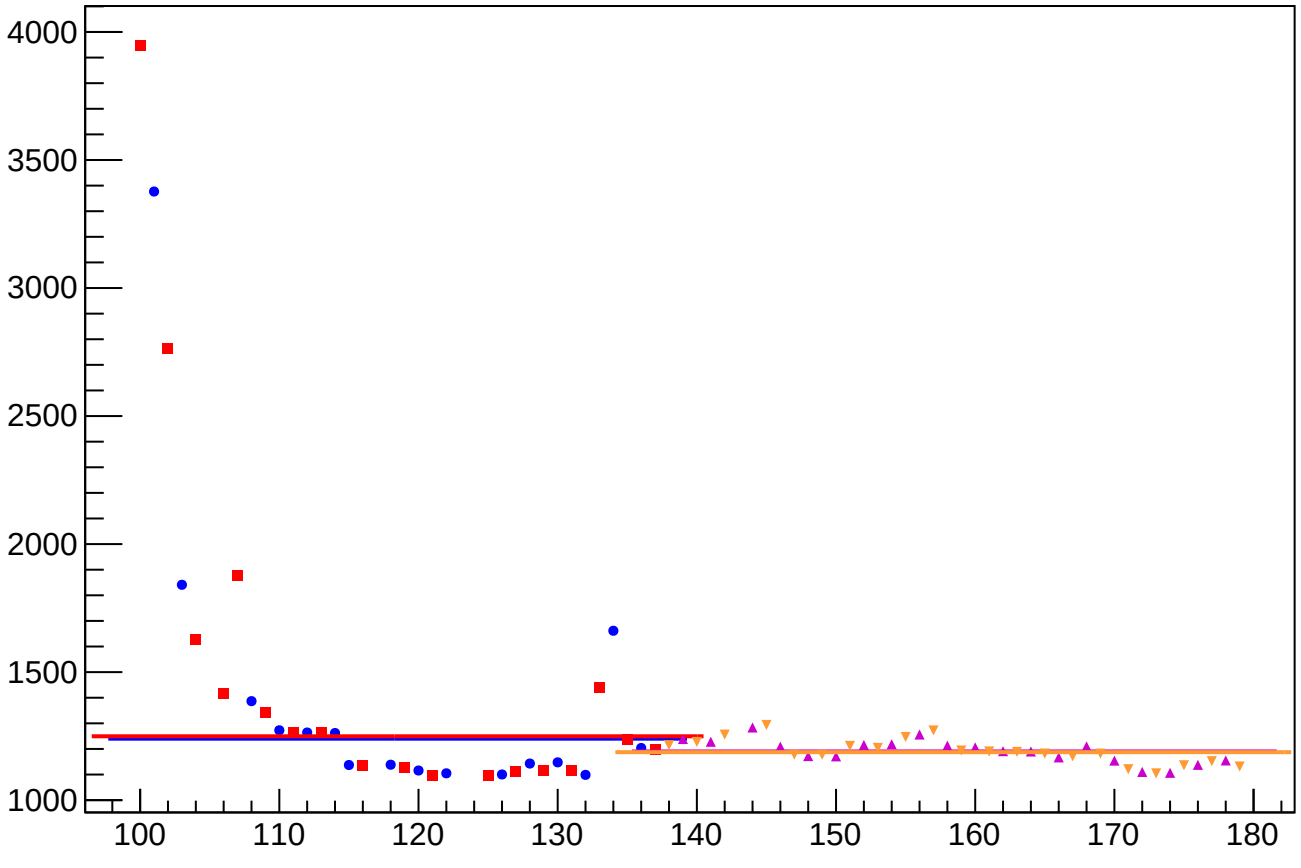
Left: 309.188+/-207.047 χ^2/NDF: 54.0/40

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 39.483+/-250.304 χ^2/NDF:44.2/35

Out: 411.573+/-248.556 χ^2/NDF:36.7/38

All: 226.831+/-176.371 χ^2/NDF: 82.0/74



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1187.361+/-0.206 χ^2/NDF:52286.6/20

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1190.169+/-0.208 χ^2/NDF:47125.1/19

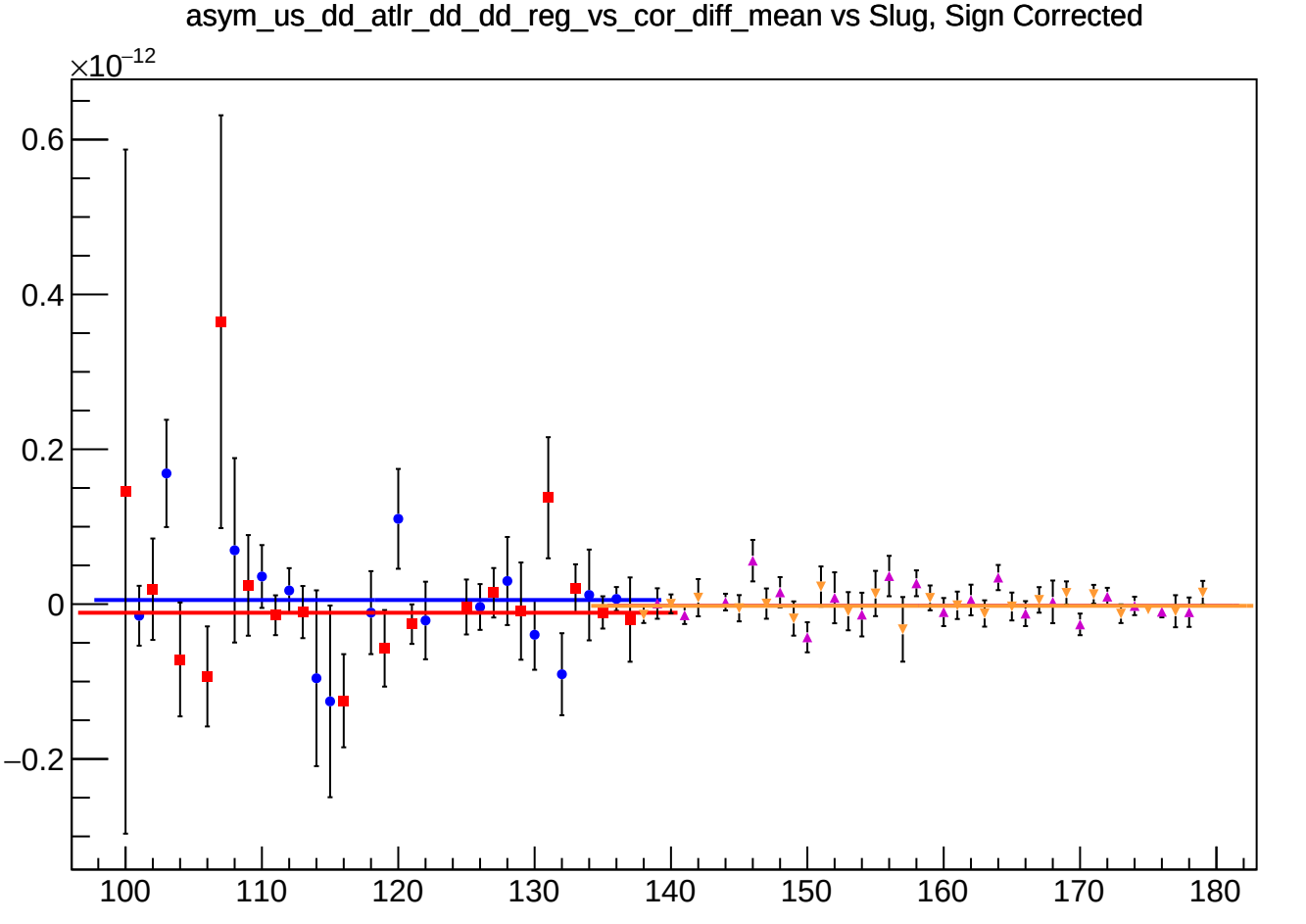
Left: 1188.748+/-0.146 χ^2/NDF: 99503.7/40

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1204.071+/-0.177 χ^2/NDF:845811.3/35

Out: 1204.152+/-0.176 χ^2/NDF:682986.3/38

All: 1204.112+/-0.125 χ^2/NDF: 1528797.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:27.9/19

Left: -0.000+/-0.000 χ^2/NDF: 38.1/40

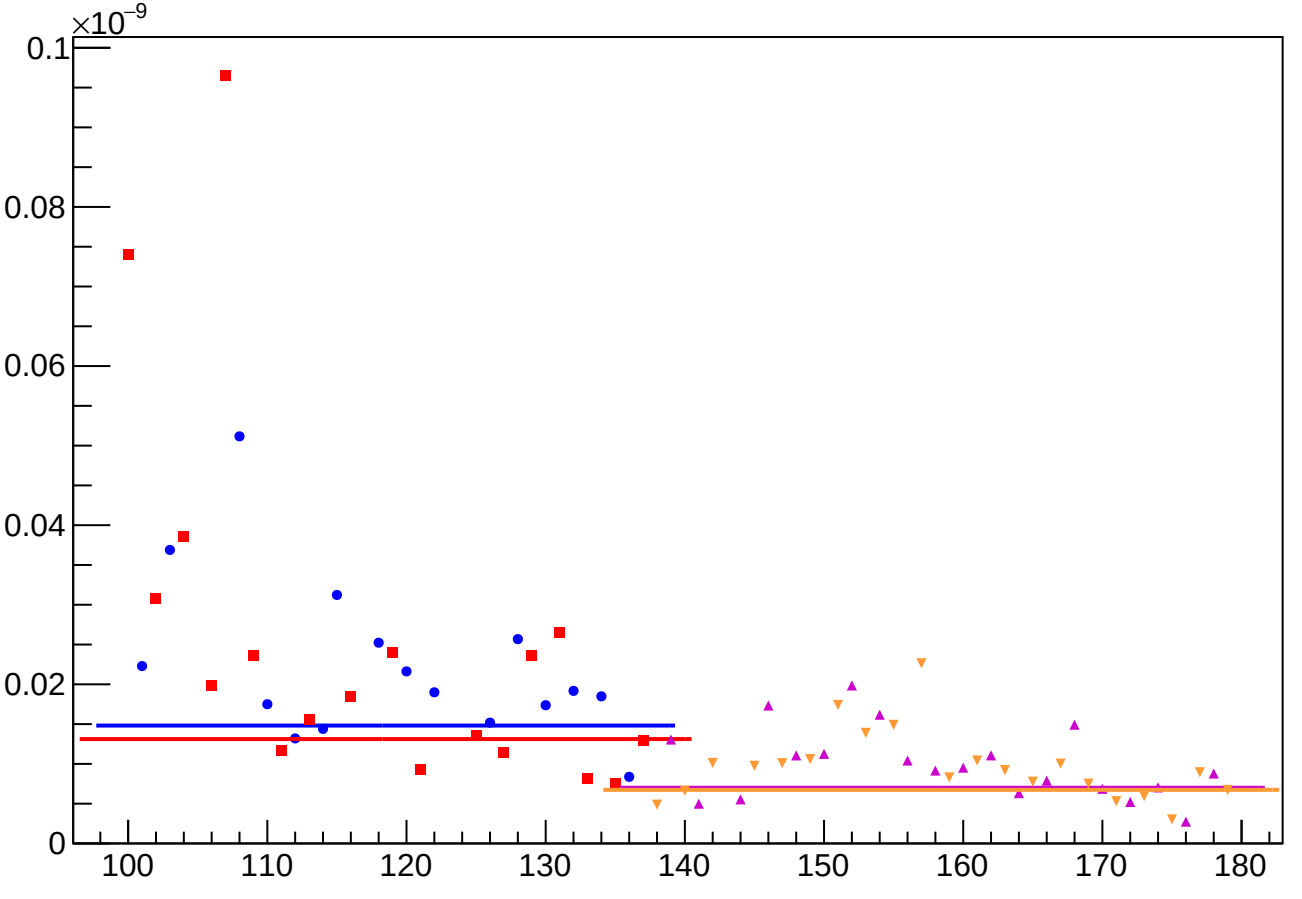
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:44.8/35

Out: -0.000+/-0.000 χ^2/NDF:26.1/38

All: -0.000+/-0.000 χ^2/NDF: 71.0/74

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2259375.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2407581.1/19

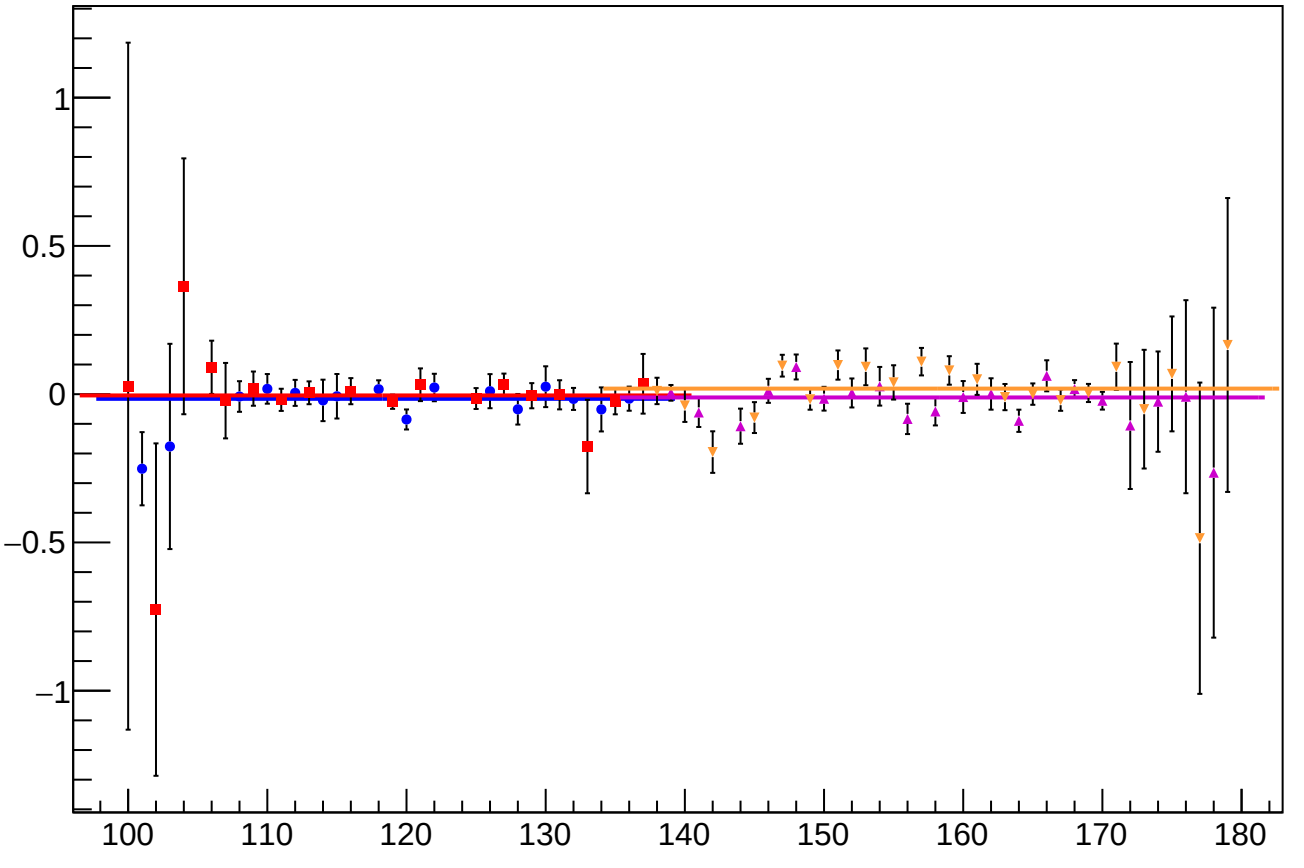
Left: 0.000+/-0.000 χ^2/NDF: 4673162.7/40

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4661453.8/35

Out: 0.000+/-0.000 χ^2/NDF:4272765.4/38

All: 0.000+/-0.000 χ^2/NDF: 8954270.4/74



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.1/40

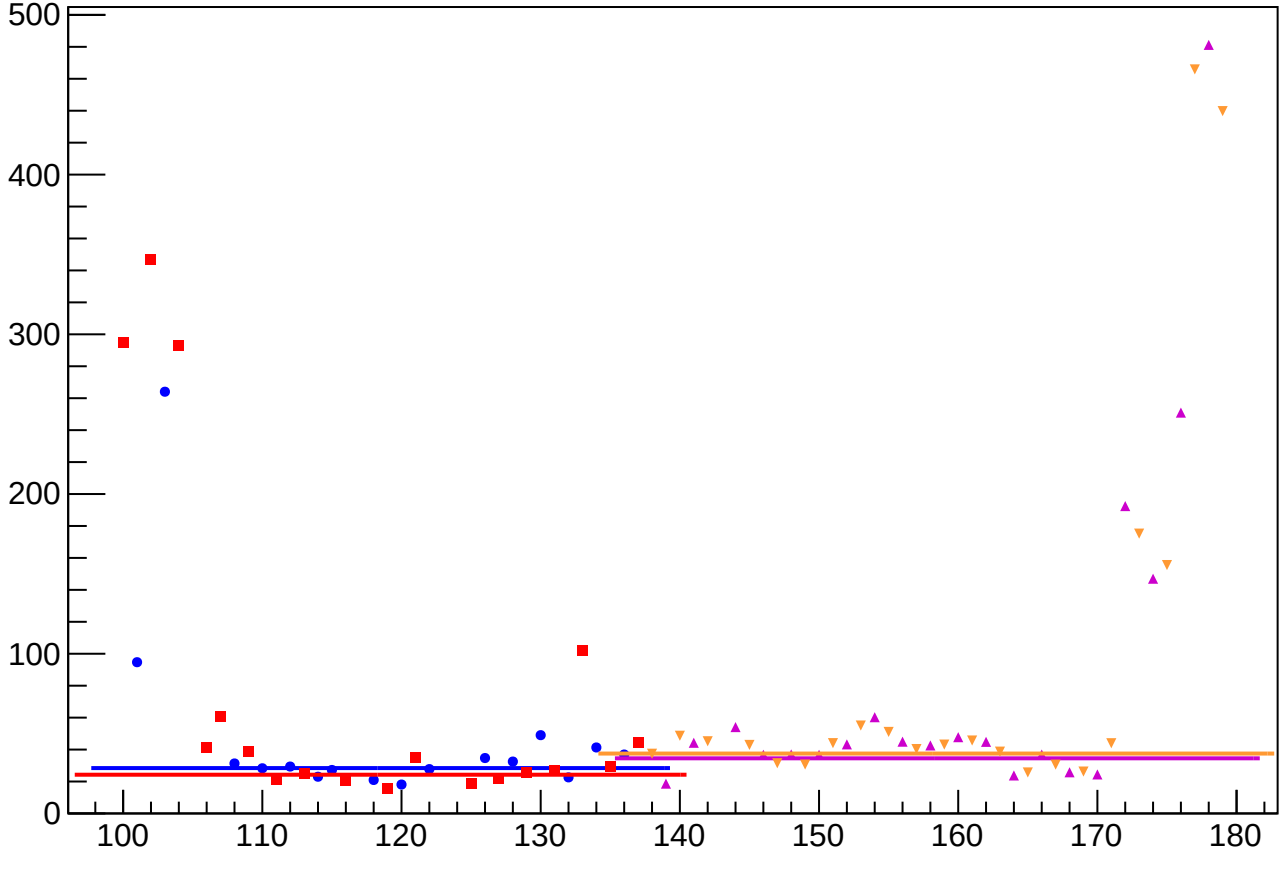
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 80.6/74

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.521+/-0.007 χ^2/NDF:6454900.1/19

Left: 35.934+/-0.005 χ^2/NDF: 12094578.4/40

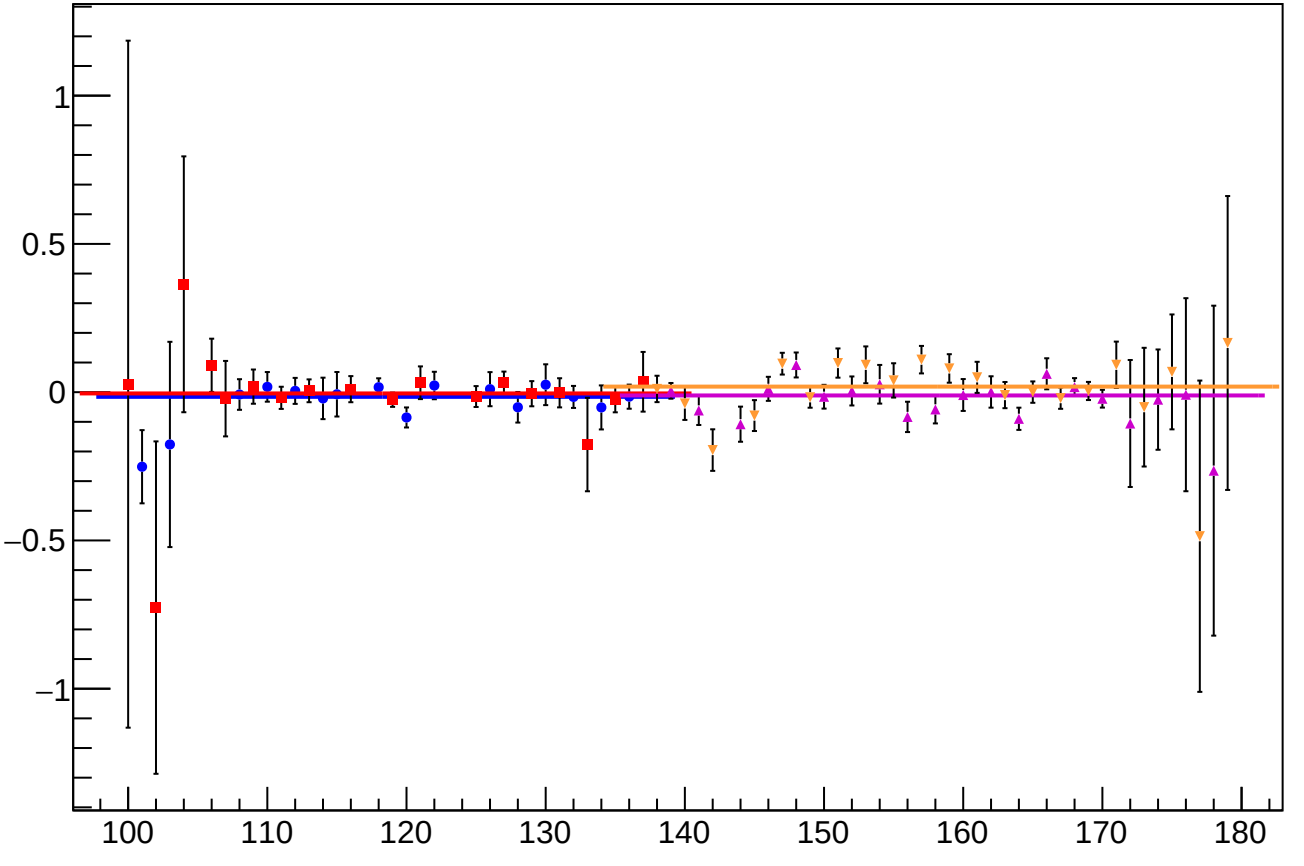
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.010+/-0.006 χ^2/NDF:8990936.4/35

Out: 31.243+/-0.006 χ^2/NDF:9888429.9/38

All: 31.625+/-0.004 χ^2/NDF: 18888865.9/74

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.1/40

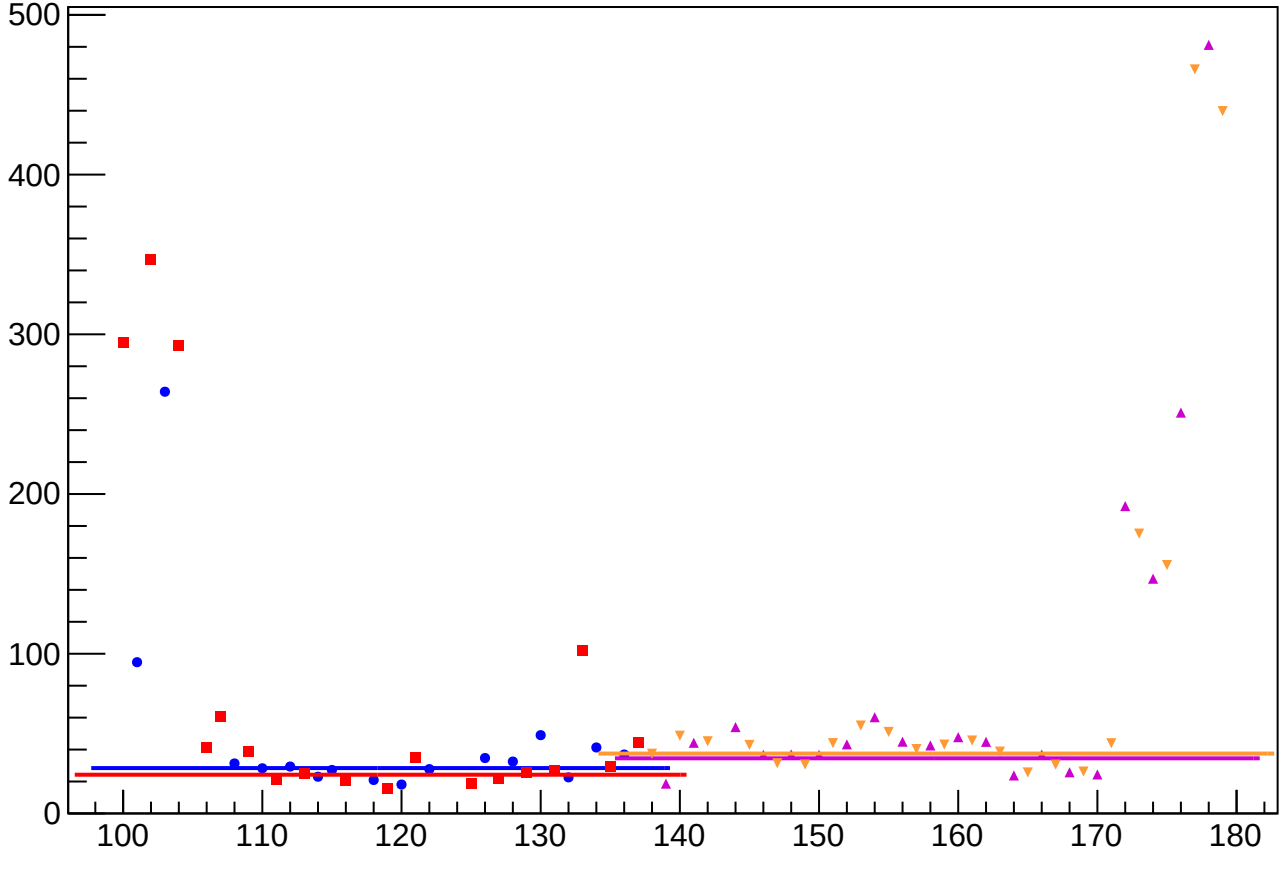
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 80.6/74

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.502+/-0.008 χ^2/NDF:5559904.1/20

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.521+/-0.007 χ^2/NDF:6454900.1/19

Left: 35.934+/-0.005 χ^2/NDF: 12094578.4/40

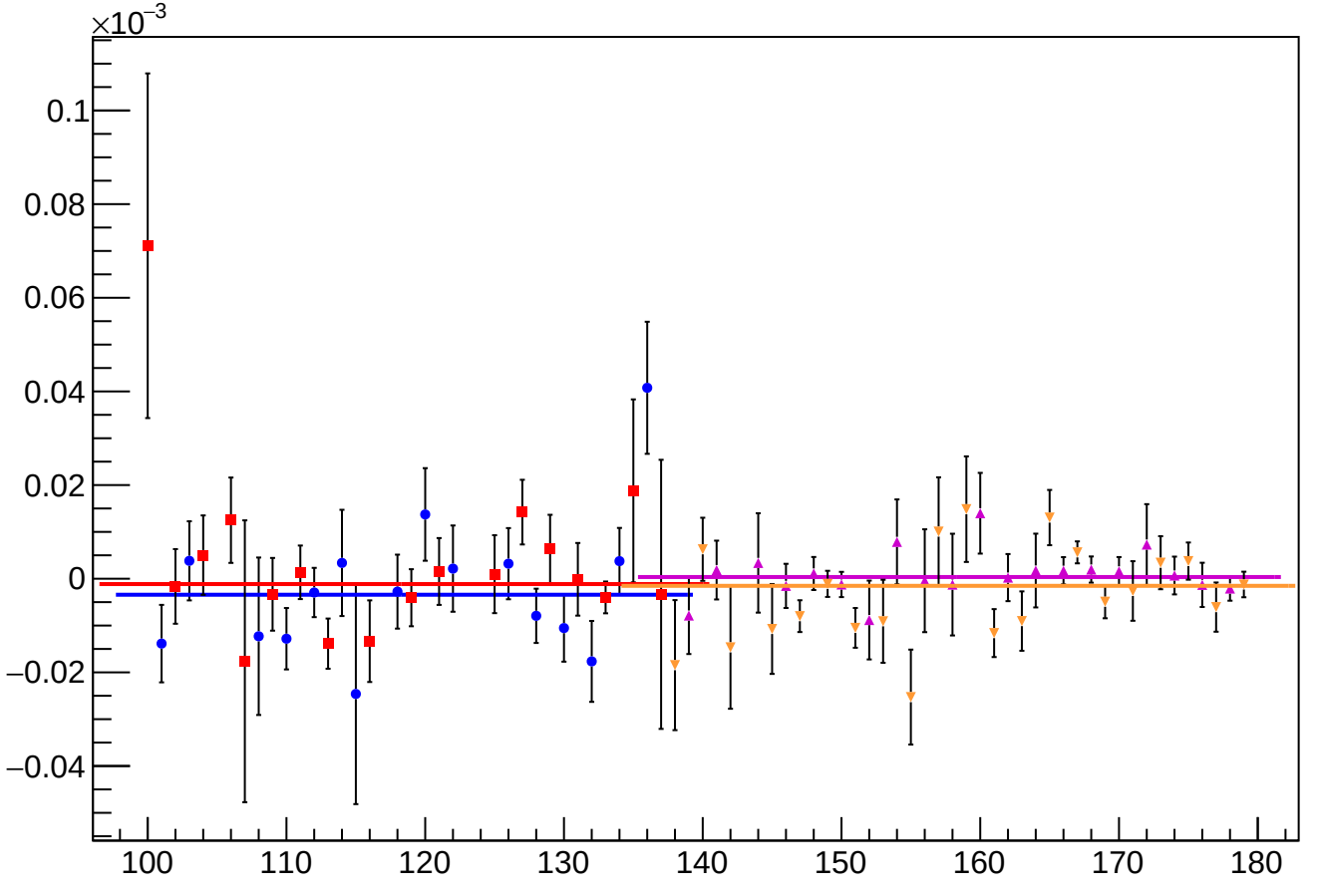
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.010+/-0.006 χ^2/NDF:8990936.4/35

Out: 31.243+/-0.006 χ^2/NDF:9888429.9/38

All: 31.625+/-0.004 χ^2/NDF: 18888865.9/74

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.5/19

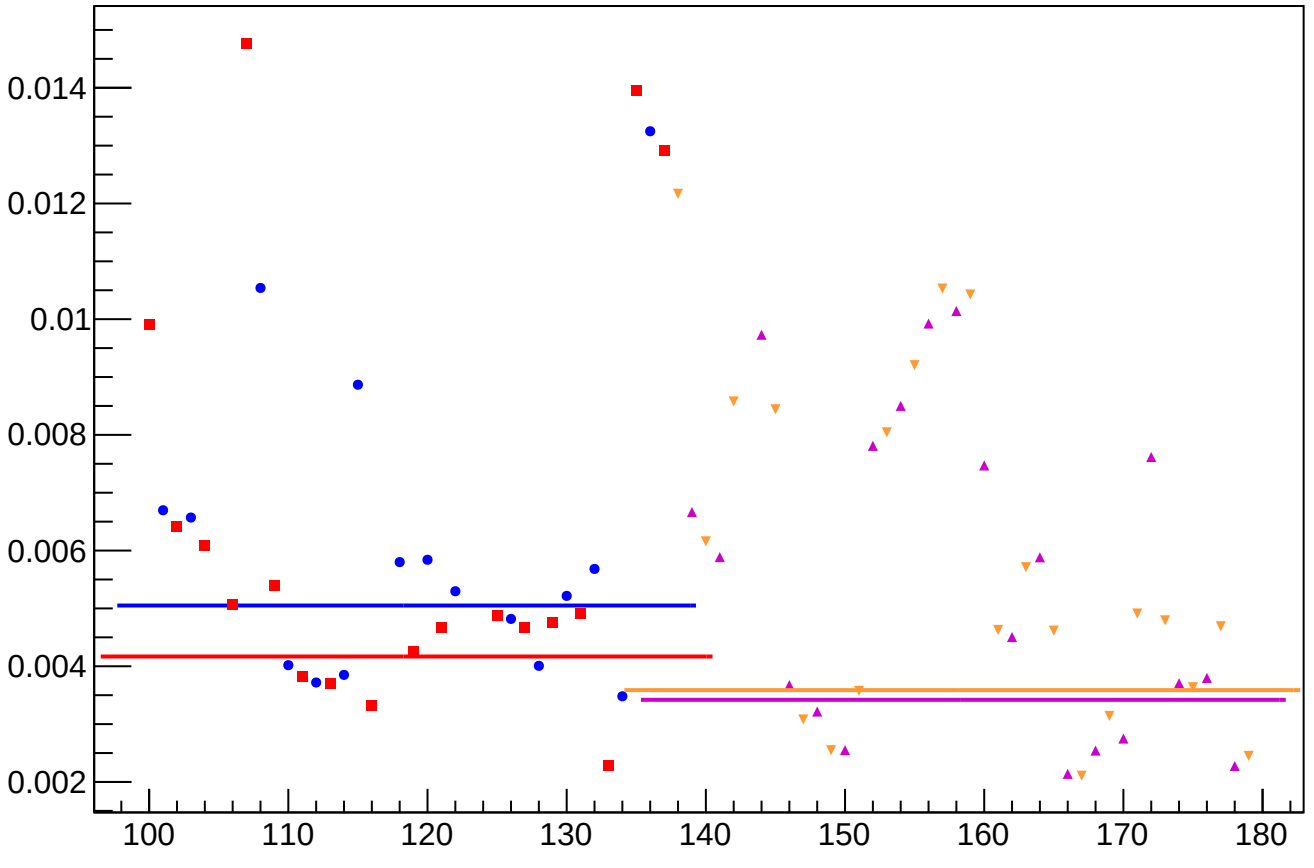
Left: -0.000+/-0.000 χ^2/NDF: 57.4/40

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: -0.000+/-0.000 χ^2/NDF:70.2/38

All: -0.000+/-0.000 χ^2/NDF: 107.4/74



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6558505.4/20

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.003+/-0.000 χ^2/NDF:6483729.4/19

Left: 0.004+/-0.000 χ^2/NDF: 13070751.6/40

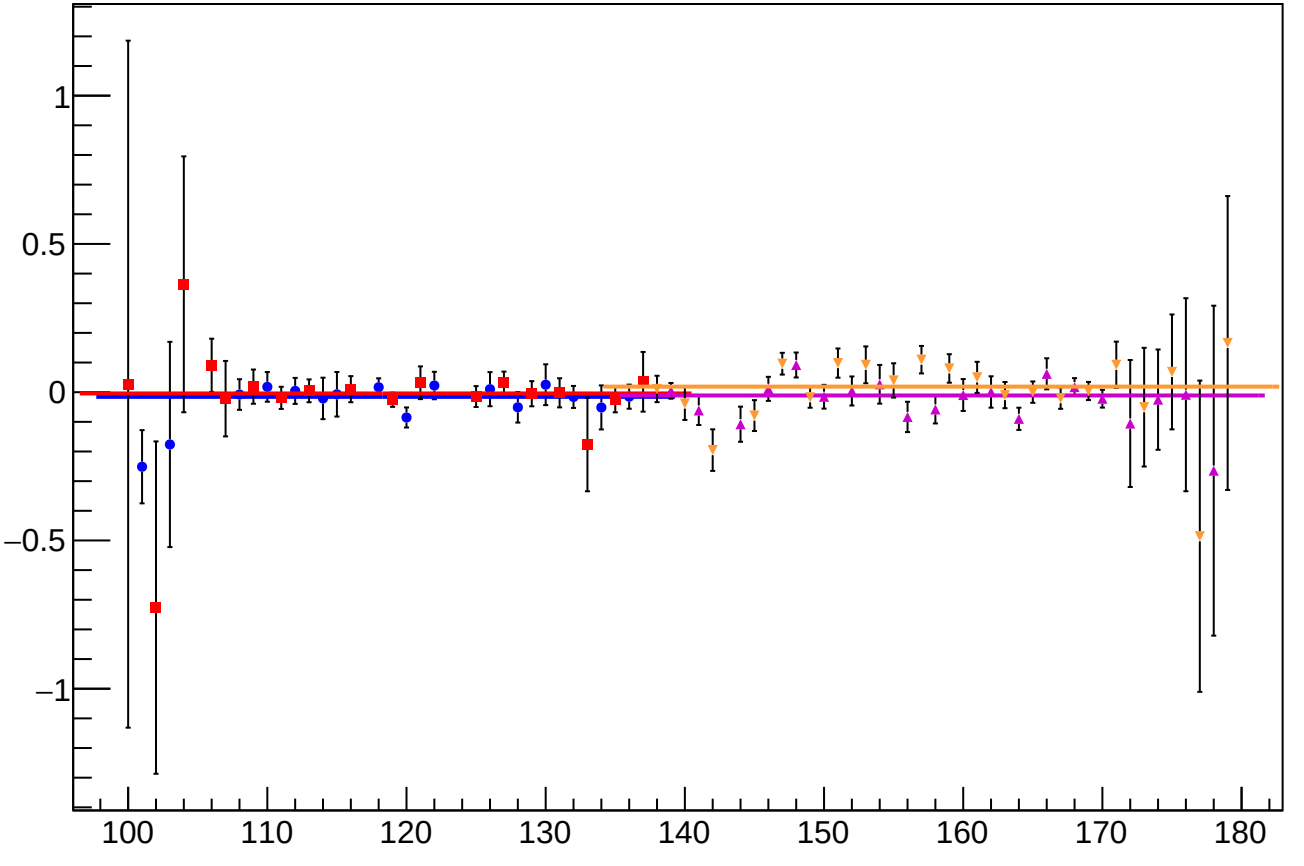
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:9028814.8/35

Out: 0.004+/-0.000 χ^2/NDF:8774143.1/38

All: 0.004+/-0.000 χ^2/NDF: 17803060.3/74

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.1/40

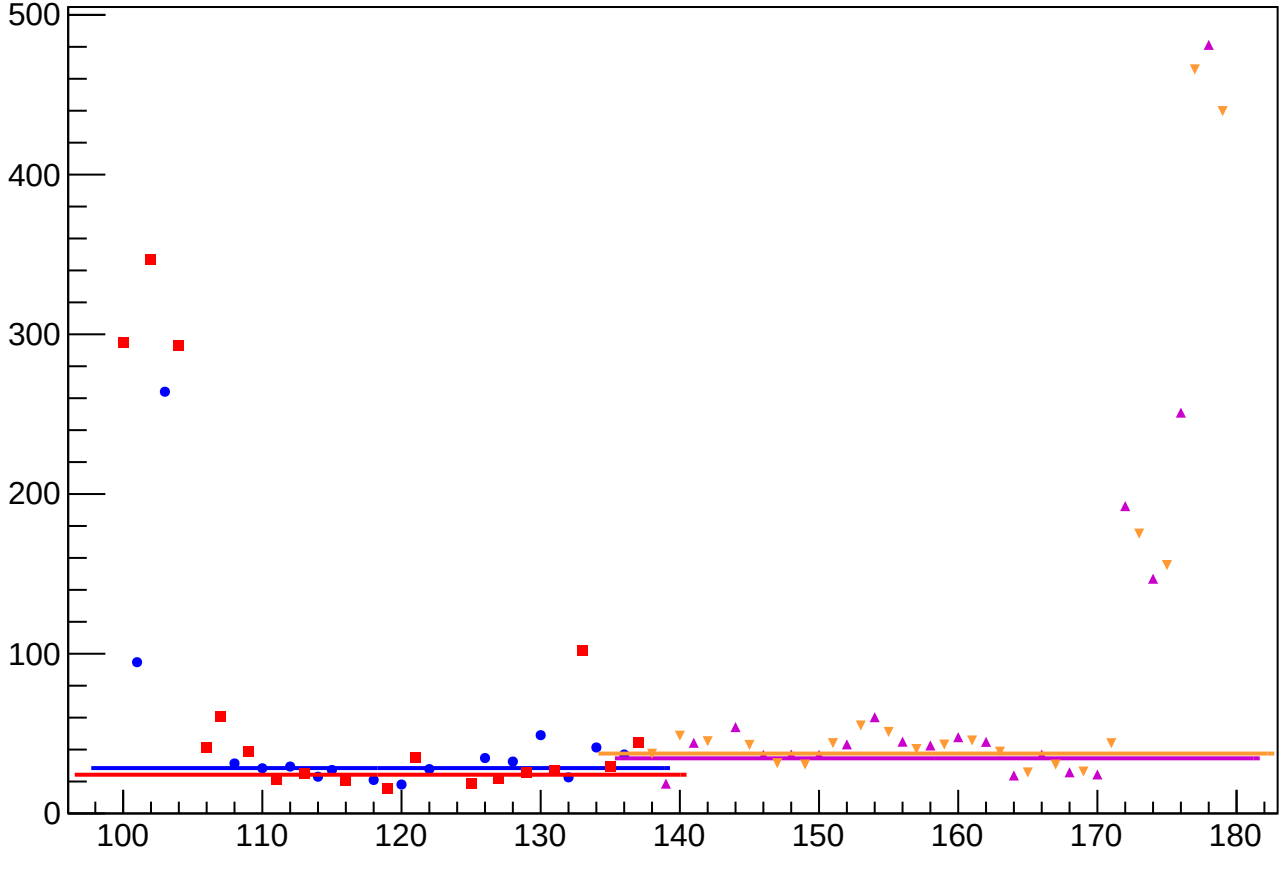
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 80.6/74

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.502+/-0.008 χ^2/NDF:5560062.4/20

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.521+/-0.007 χ^2/NDF:6455321.3/19

Left: 35.934+/-0.005 χ^2/NDF: 12095156.8/40

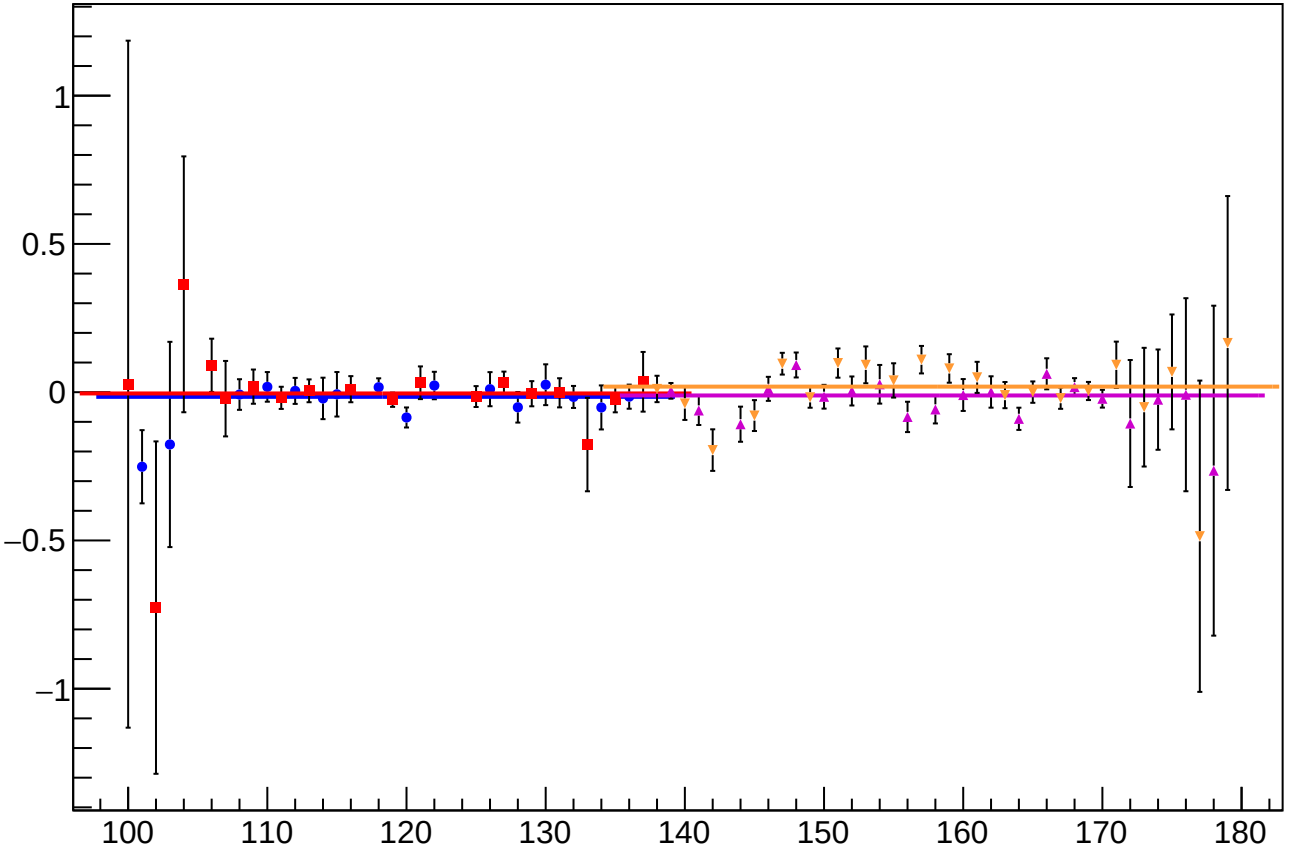
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.010+/-0.006 χ^2/NDF:8991351.6/35

Out: 31.242+/-0.006 χ^2/NDF:9889160.9/38

All: 31.625+/-0.004 χ^2/NDF: 18890037.4/74

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.5/20

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.1/40

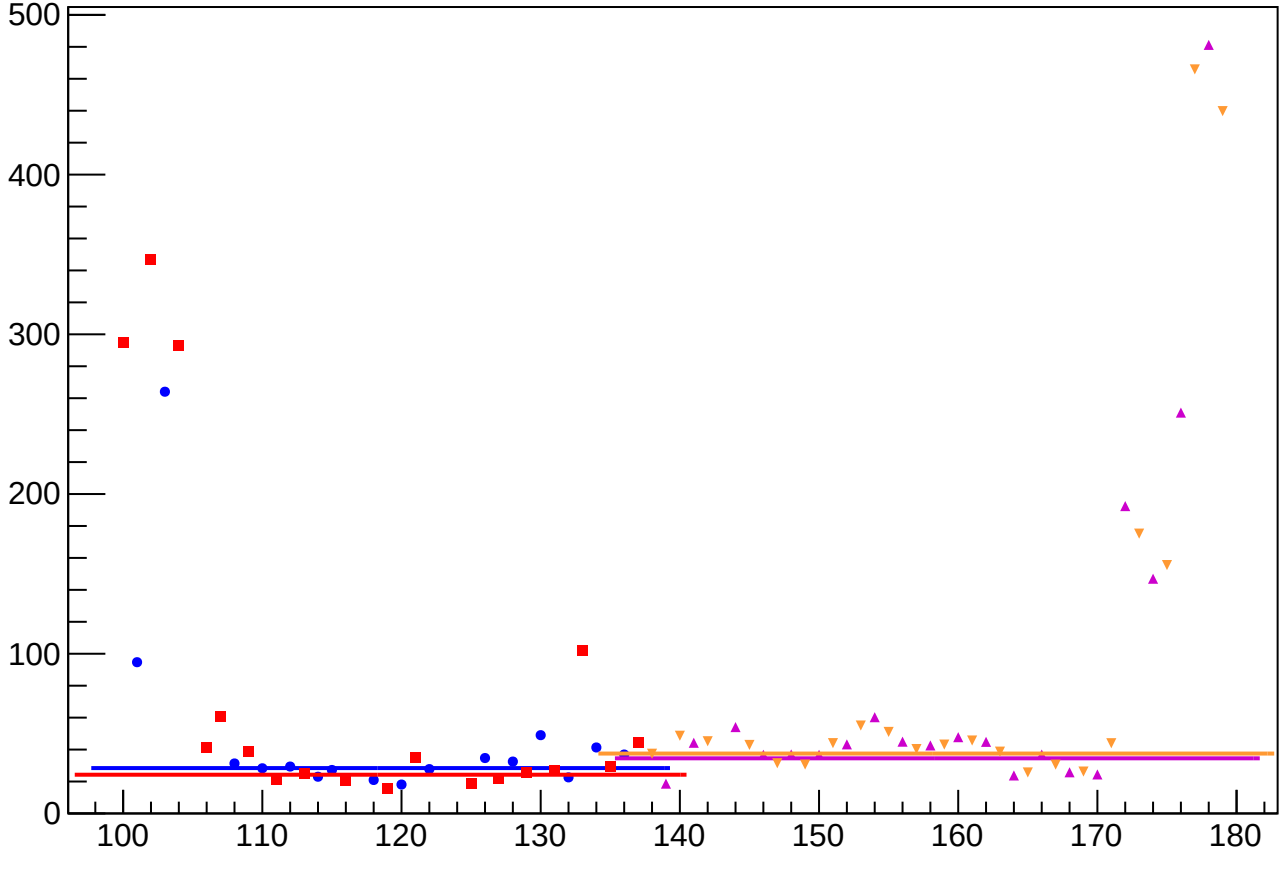
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.5/38

All: -0.002+/-0.006 χ^2/NDF: 80.6/74

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.502+/-0.008 χ^2/NDF:5560062.4/20

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.521+/-0.007 χ^2/NDF:6455321.3/19

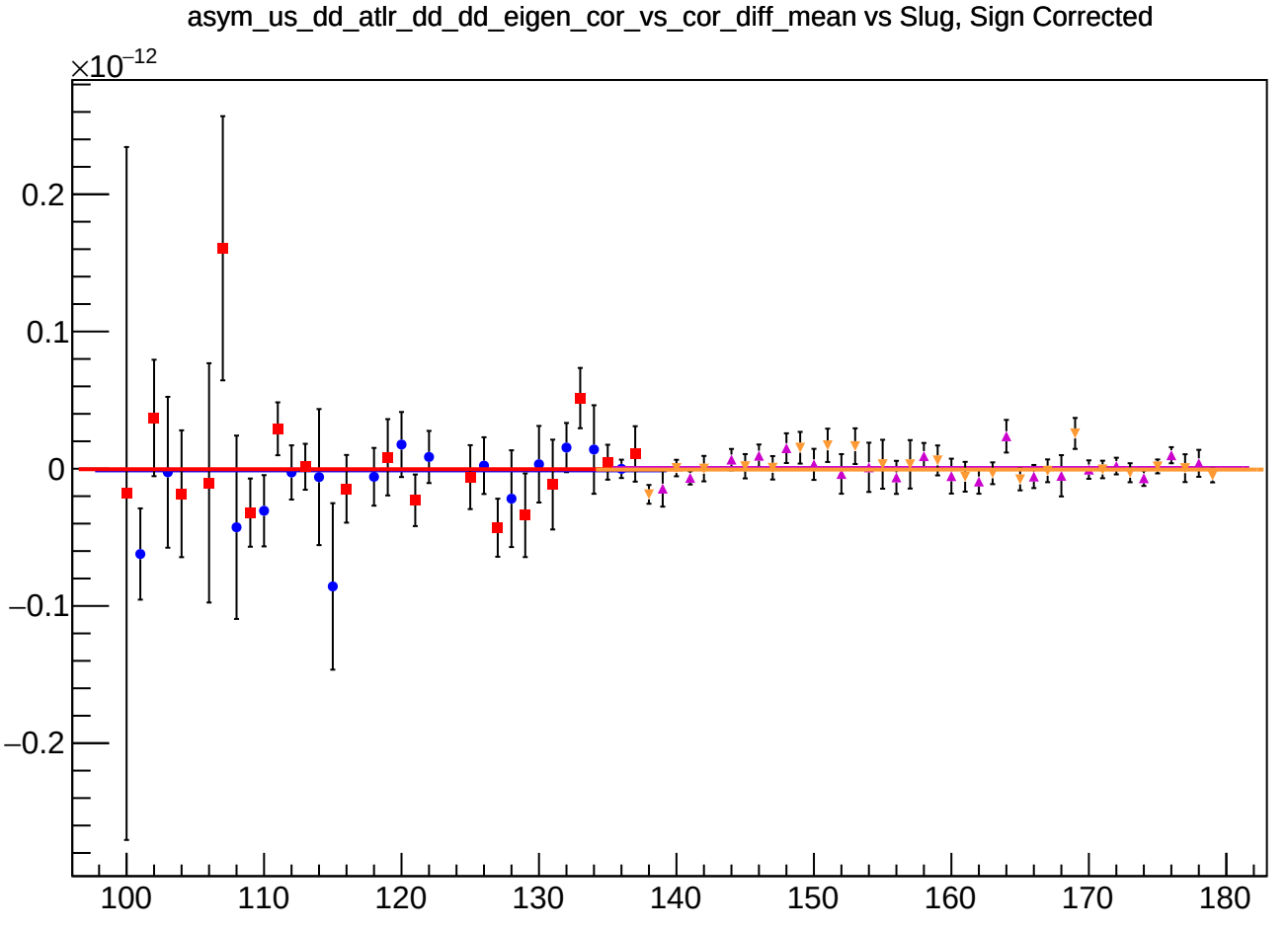
Left: 35.934+/-0.005 χ^2/NDF: 12095156.8/40

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.010+/-0.006 χ^2/NDF:8991351.6/35

Out: 31.242+/-0.006 χ^2/NDF:9889160.9/38

All: 31.625+/-0.004 χ^2/NDF: 18890037.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:18.7/19

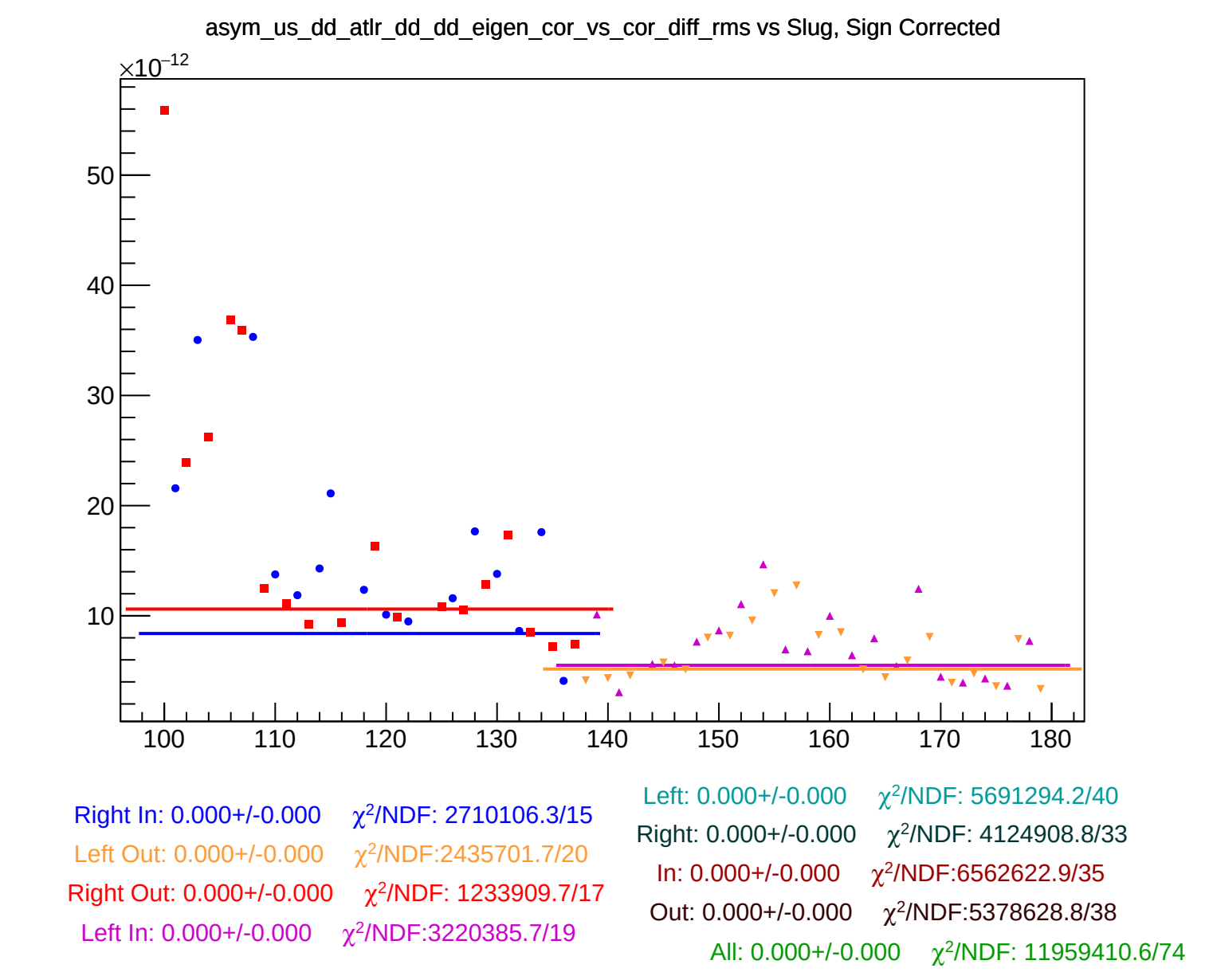
Left: -0.000+/-0.000 χ^2/NDF: 39.9/40

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

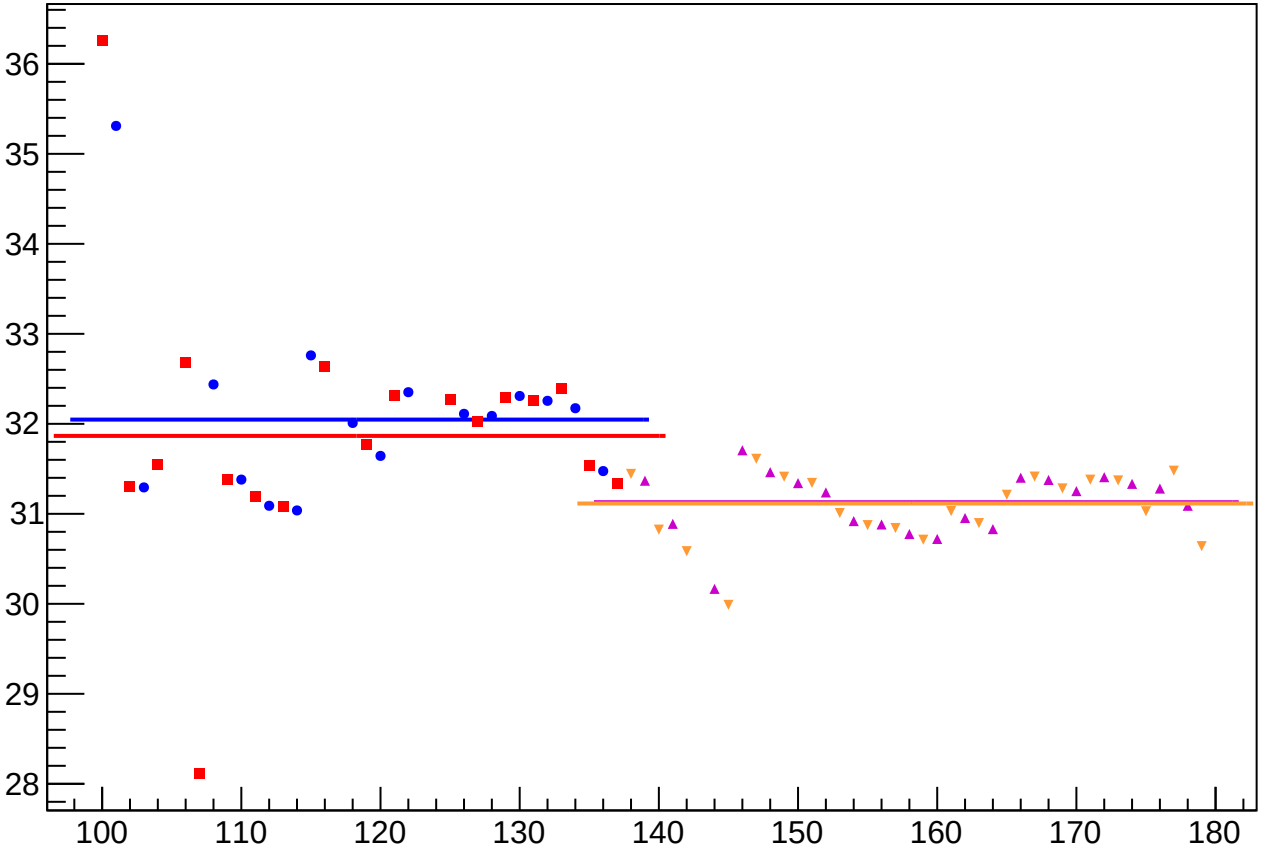
In: 0.000+/-0.000 χ^2/NDF:28.3/35

Out: -0.000+/-0.000 χ^2/NDF:42.0/38

All: -0.000+/-0.000 χ^2/NDF: 70.4/74


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2435701.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3220385.7/19
Left: 0.000+/-0.000 χ²/NDF: 5691294.2/40
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6562622.9/35
Out: 0.000+/-0.000 χ²/NDF:5378628.8/38
All: 0.000+/-0.000 χ²/NDF: 11959410.6/74

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.115+/-0.000 χ^2/NDF:313827160.2/20

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.129+/-0.000 χ^2/NDF:276695731.6/19

Left: 31.122+/-0.000 χ^2/NDF: 590788502.5/40

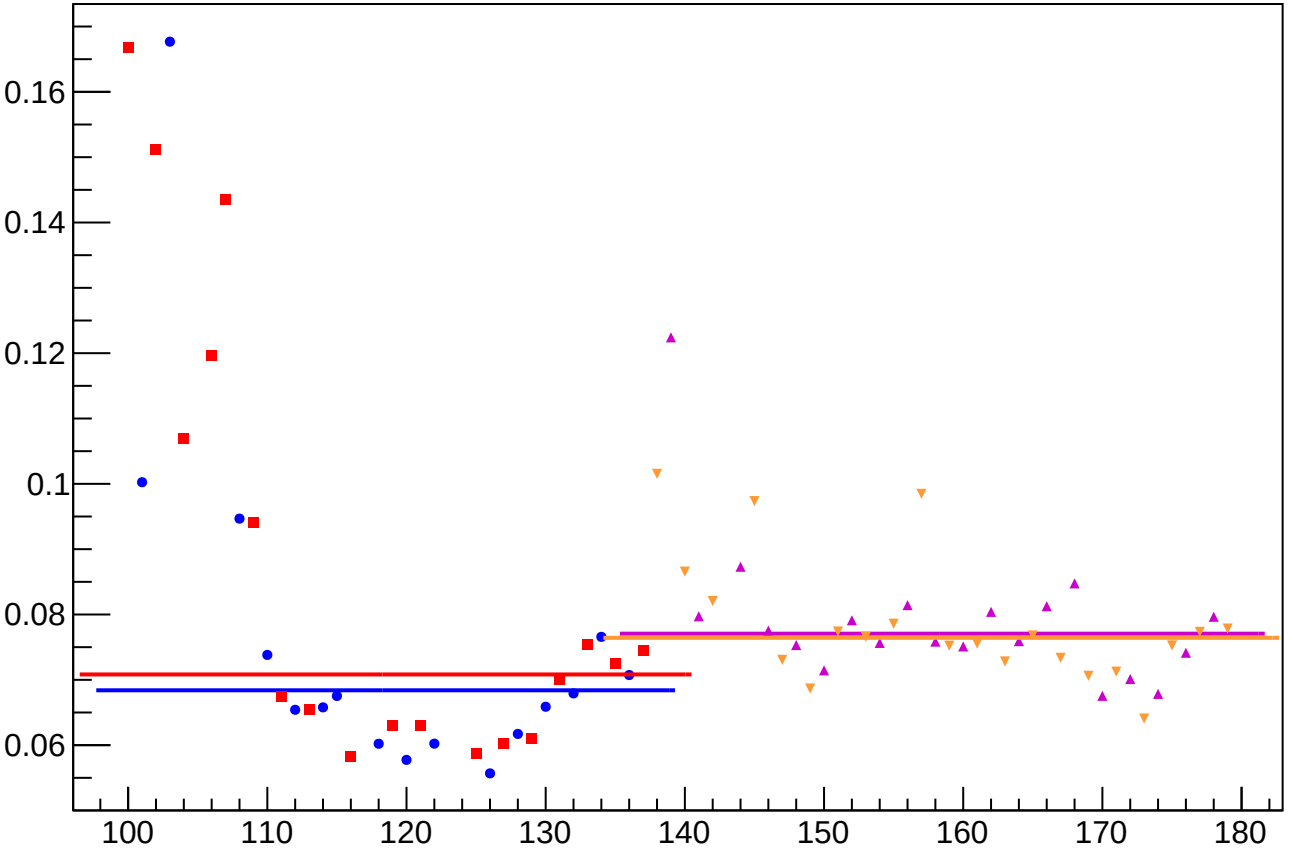
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.451+/-0.000 χ^2/NDF:1906500967.0/35

Out: 31.360+/-0.000 χ^2/NDF:1271857952.2/38

All: 31.406+/-0.000 χ^2/NDF: 3194418903.0/7

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:352403.2/20

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:354771.4/19

Left: 0.077+/-0.000 χ^2/NDF: 708191.9/40

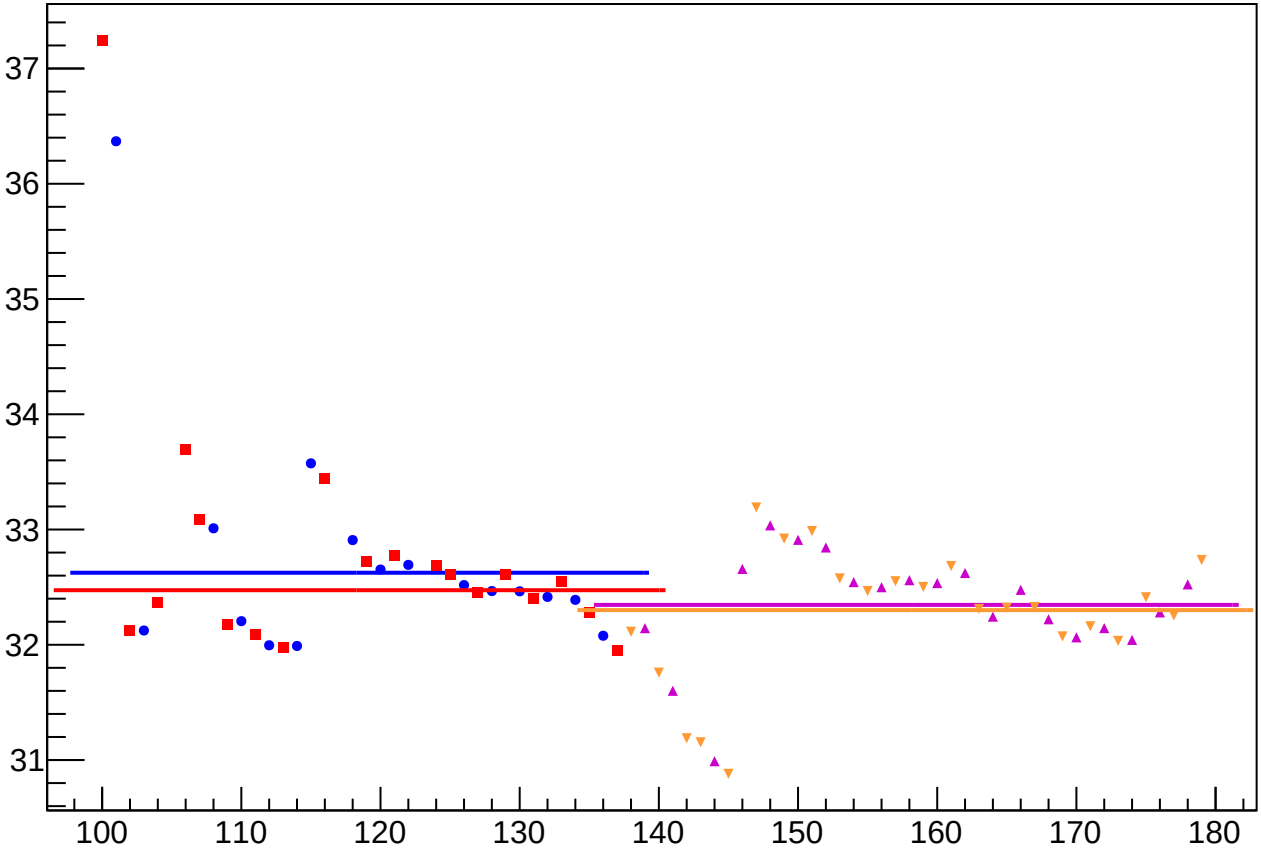
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1188358.3/35

Out: 0.075+/-0.000 χ^2/NDF:1273186.2/38

All: 0.074+/-0.000 χ^2/NDF: 2462824.7/74

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.301+/-0.000 χ^2/NDF:819849036.4/21

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.346+/-0.000 χ^2/NDF:579563832.6/19

Left: 32.323+/-0.000 χ^2/NDF: 1402095911.3/41

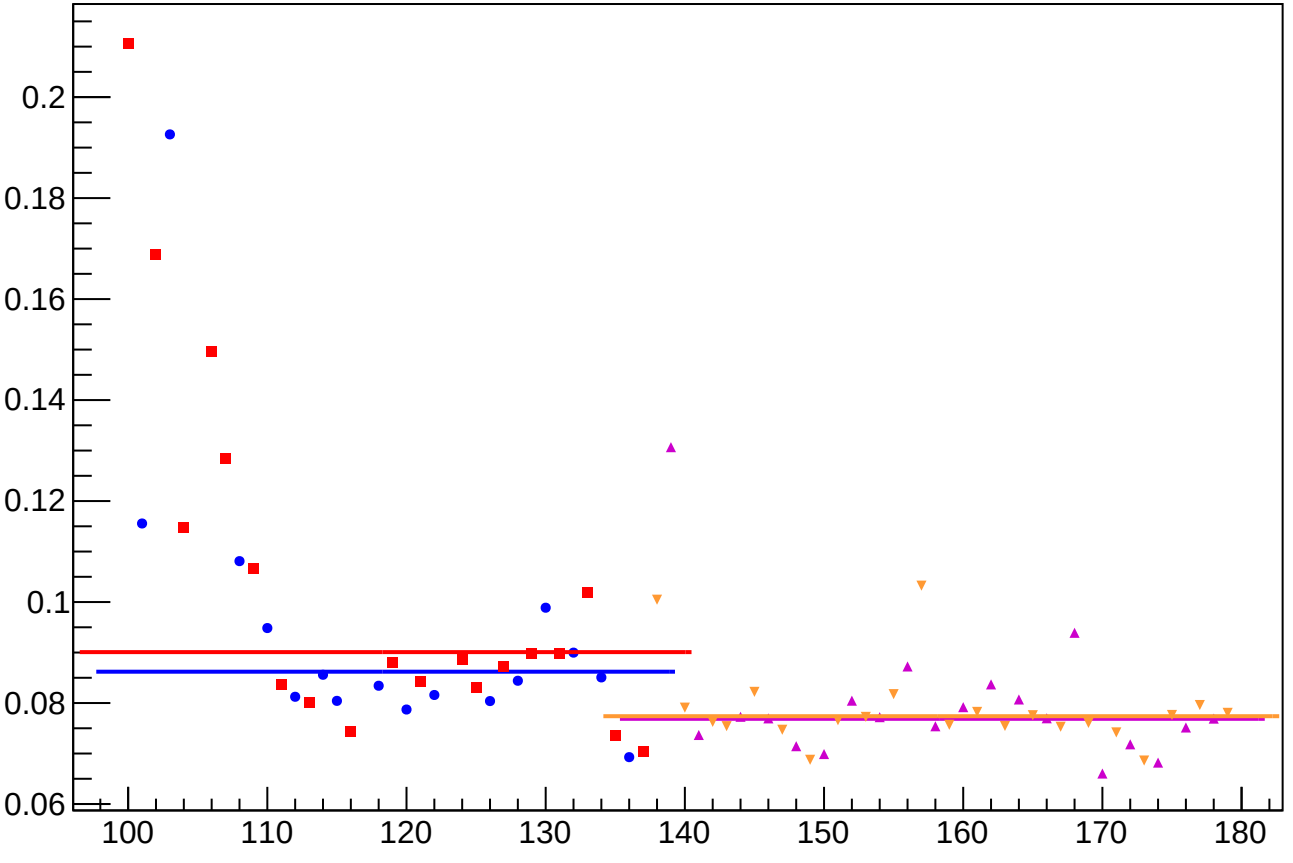
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.416+/-0.000 χ^2/NDF:1367941679.4/35

Out: 32.340+/-0.000 χ^2/NDF:994925852.4/40

All: 32.378+/-0.000 χ^2/NDF: 2372590543.0/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:231274.6/21

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:472768.3/19

Left: 0.077+/-0.000 χ^2/NDF: 704735.7/41

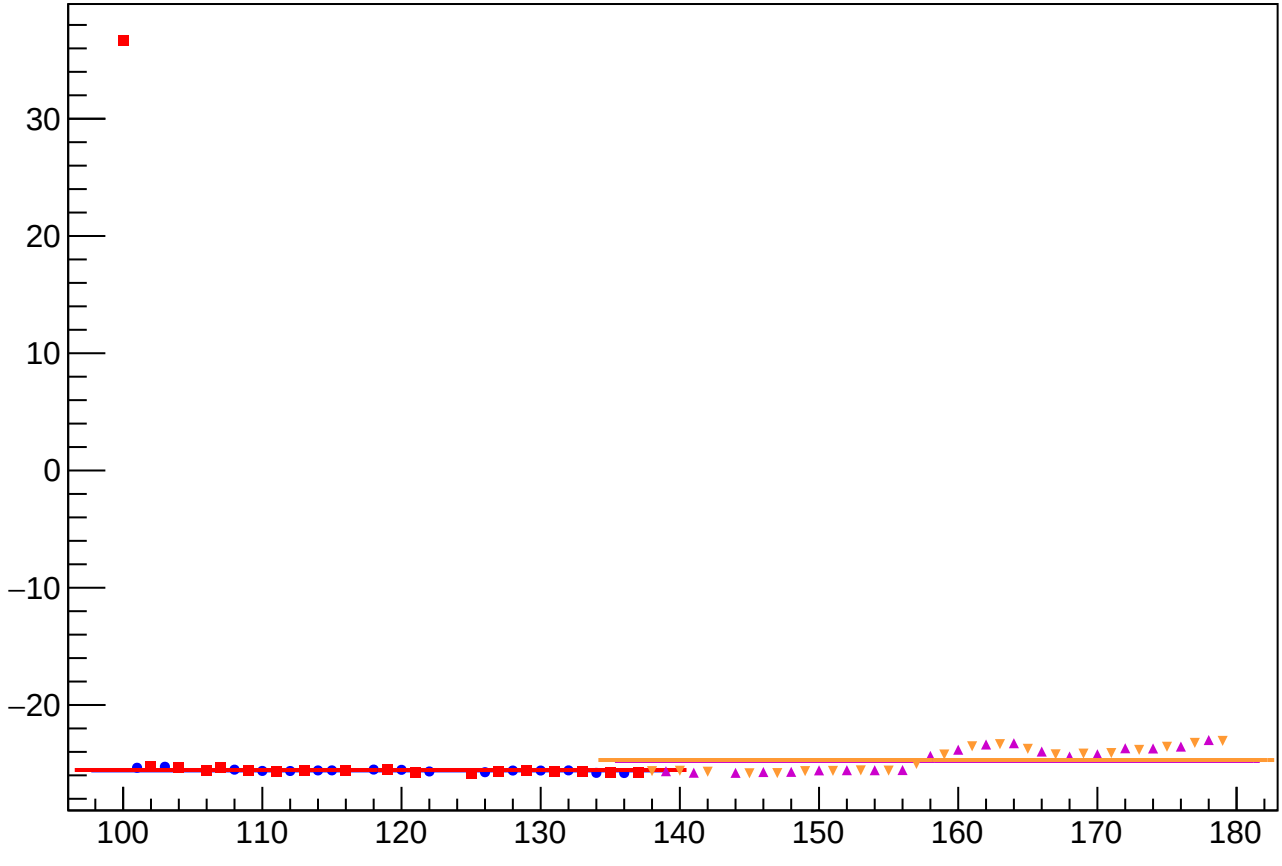
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1181739.0/35

Out: 0.080+/-0.000 χ^2/NDF:1050022.9/40

All: 0.080+/-0.000 χ^2/NDF: 2235917.9/76

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.693+/-0.000 χ^2/NDF:8108665630.1/20

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.774+/-0.000 χ^2/NDF:8013335082.7/19

Left: -24.734+/-0.000 χ^2/NDF: 16147785904.2/40

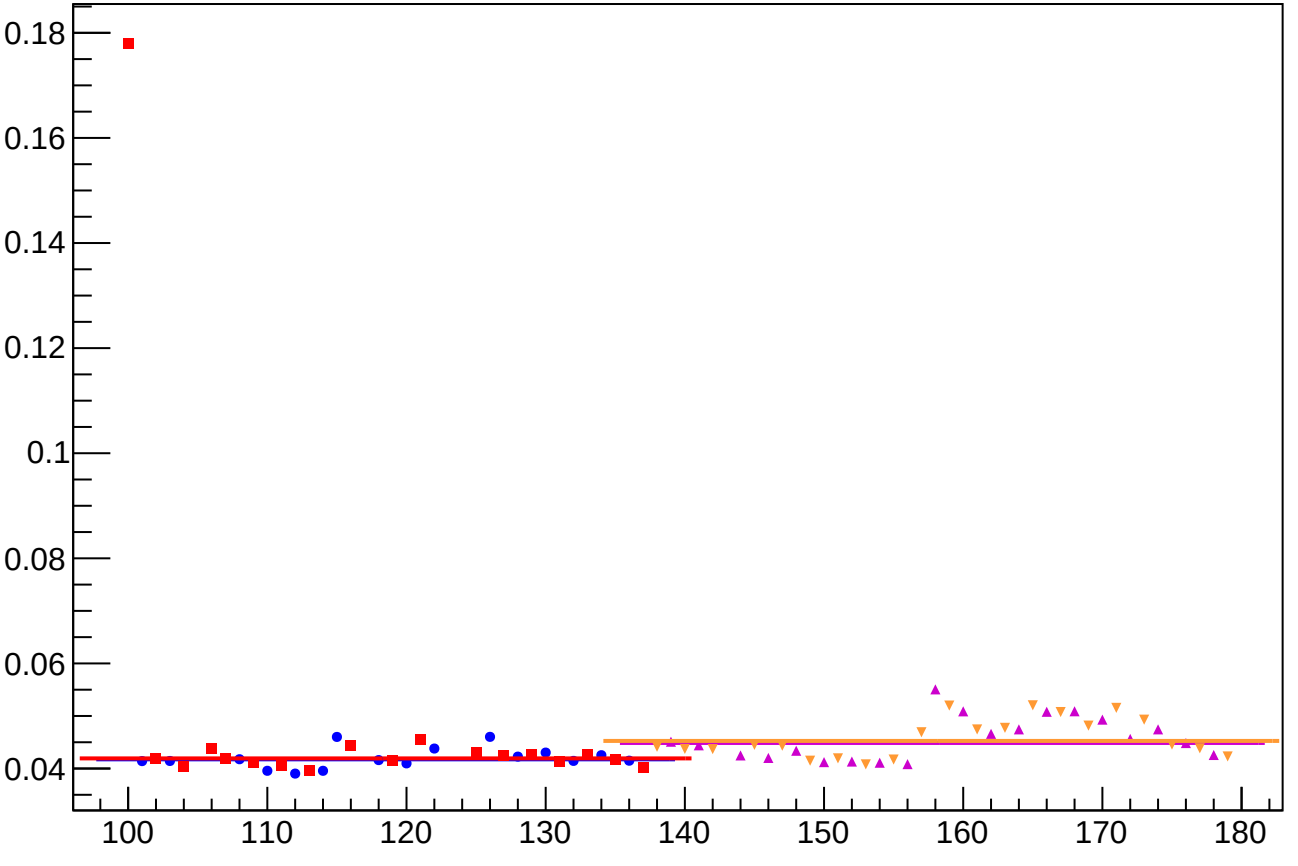
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.050+/-0.000 χ^2/NDF:9862800603.0/35

Out: -24.985+/-0.000 χ^2/NDF:18974050815.9/38

All: -25.017+/-0.000 χ^2/NDF: 28862233464.8

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:185195.2/20

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:220812.5/19

Left: 0.045+/-0.000 χ^2/NDF: 407180.2/40

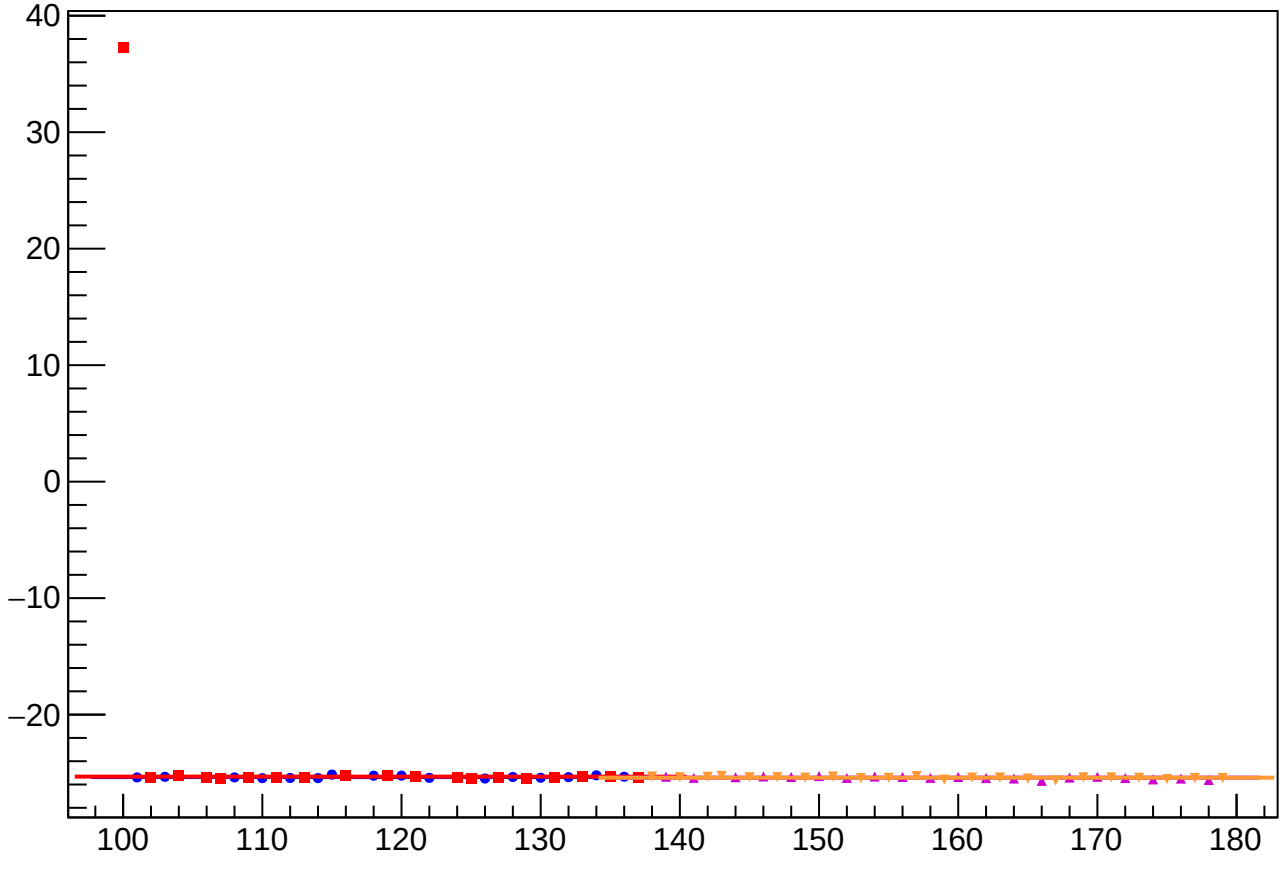
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:294145.9/35

Out: 0.044+/-0.000 χ^2/NDF:345172.2/38

All: 0.044+/-0.000 χ^2/NDF: 640504.5/74

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.413+/-0.000 χ^2/NDF:46502349.3/21

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.413+/-0.000 χ^2/NDF:54572356.8/19

Left: -25.413+/-0.000 χ^2/NDF: 101076168.5/41

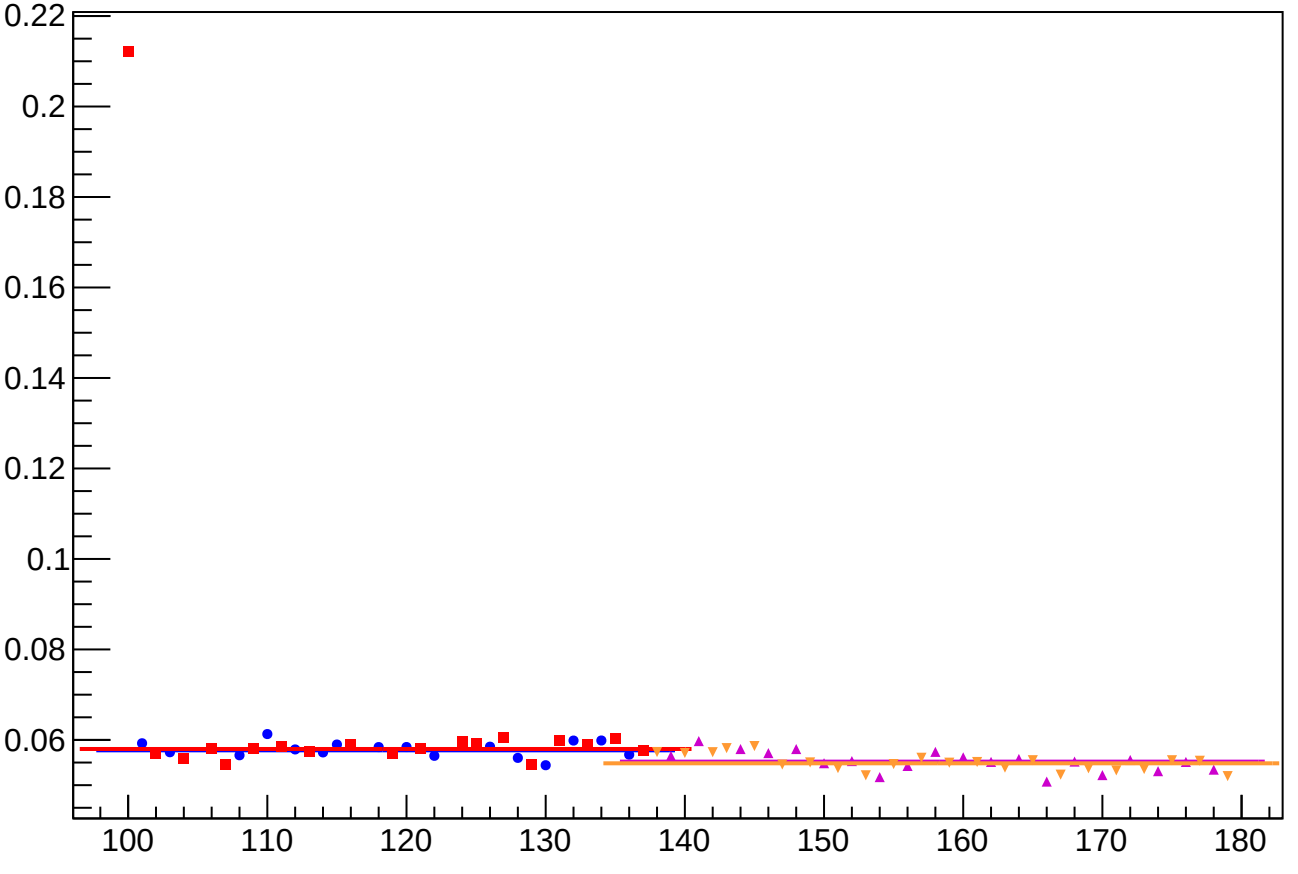
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.398+/-0.000 χ^2/NDF:71962908.5/35

Out: -25.388+/-0.000 χ^2/NDF:6374367728.0/40

All: -25.393+/-0.000 χ^2/NDF: 6446666358.1/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:36594.7/21

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:49057.8/19

Left: 0.055+/-0.000 χ^2/NDF: 86396.4/41

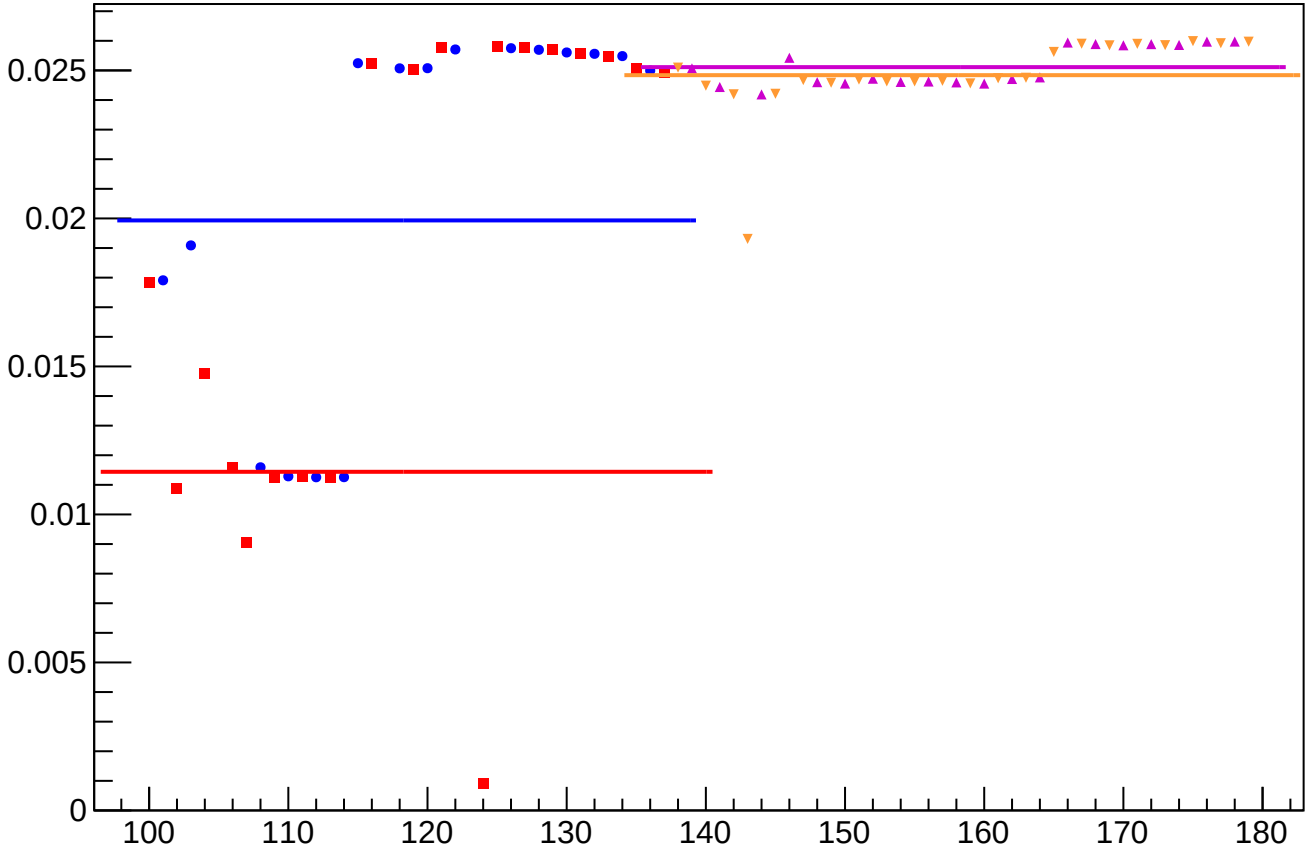
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:79453.6/35

Out: 0.056+/-0.000 χ^2/NDF:156415.9/40

All: 0.056+/-0.000 χ^2/NDF: 236216.0/76

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:7096492492.6/21

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:1279324263.4/19

Left: 0.025+/-0.000 χ^2/NDF: 8499460323.3/41

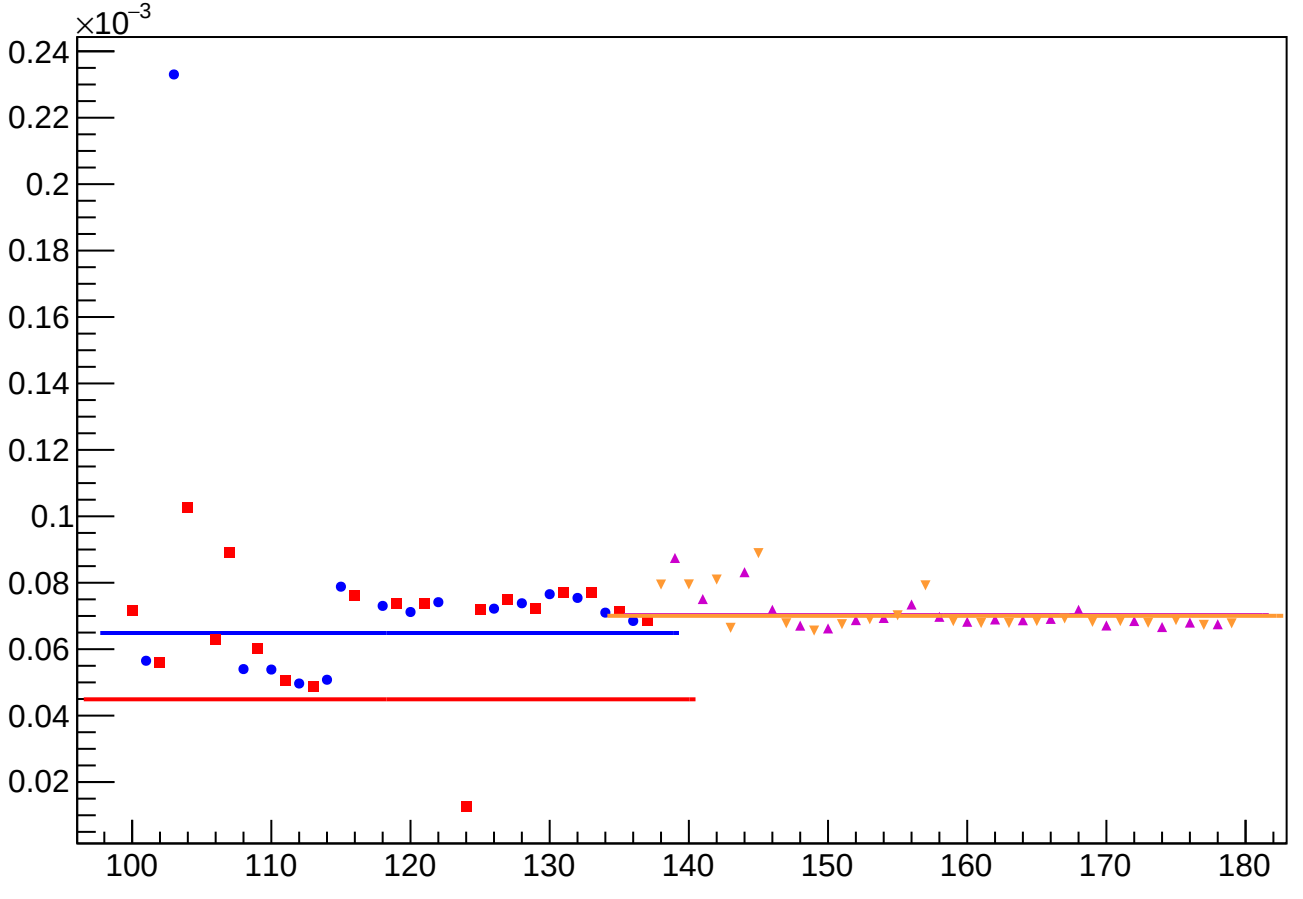
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:91948605591.0/35

Out: 0.019+/-0.000 χ^2/NDF:523361208357.4/40

All: 0.021+/-0.000 χ^2/NDF: 662853446586.8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:180268.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:143885.7/19

Left: 0.000+/-0.000 χ^2/NDF: 324314.0/41

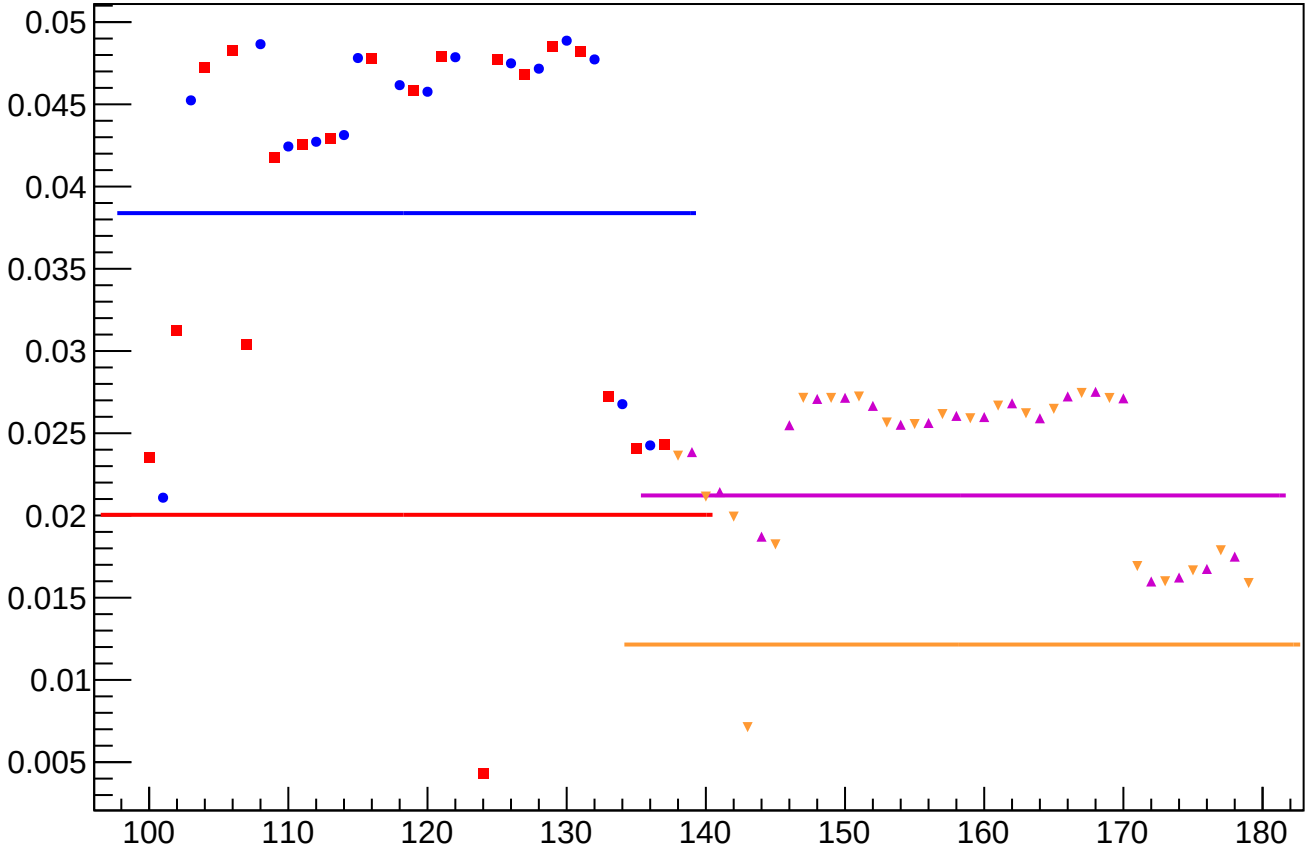
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1021933.1/35

Out: 0.000+/-0.000 χ^2/NDF:5797990.1/40

All: 0.000+/-0.000 χ^2/NDF: 7255218.8/76

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:35507464206.1/21

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.021+/-0.000 χ^2/NDF:5347763263.6/19

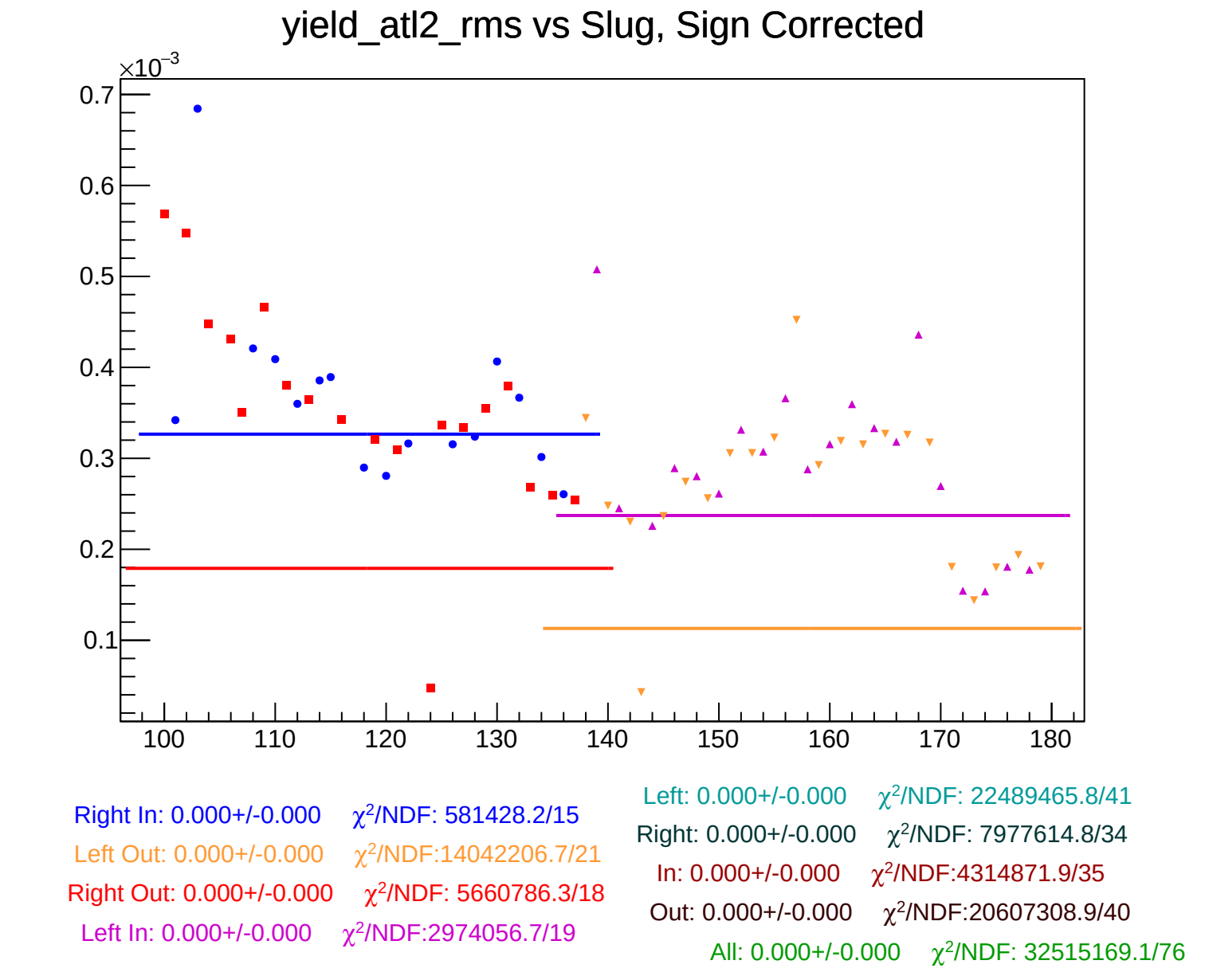
Left: 0.014+/-0.000 χ^2/NDF: 55450958593.6/41

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

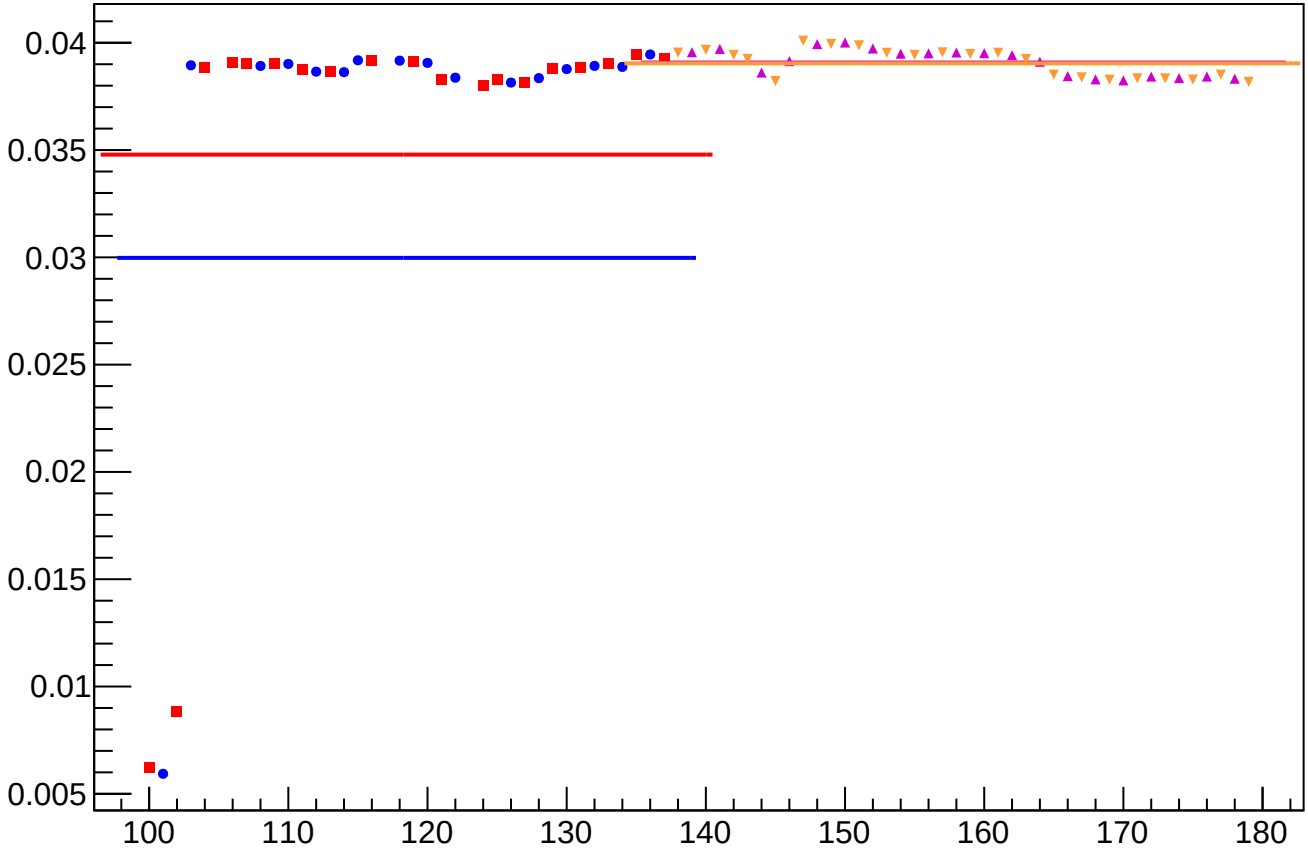
In: 0.025+/-0.000 χ^2/NDF:26415593432.2/35

Out: 0.013+/-0.000 χ^2/NDF:84142712698.2/40

All: 0.016+/-0.000 χ^2/NDF: 138321494183.6


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14042206.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:2974056.7/19
Left: 0.000+/-0.000 χ²/NDF: 22489465.8/41
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:4314871.9/35
Out: 0.000+/-0.000 χ²/NDF:20607308.9/40
All: 0.000+/-0.000 χ²/NDF: 32515169.1/76

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:433389688.2/21

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:357800244.1/19

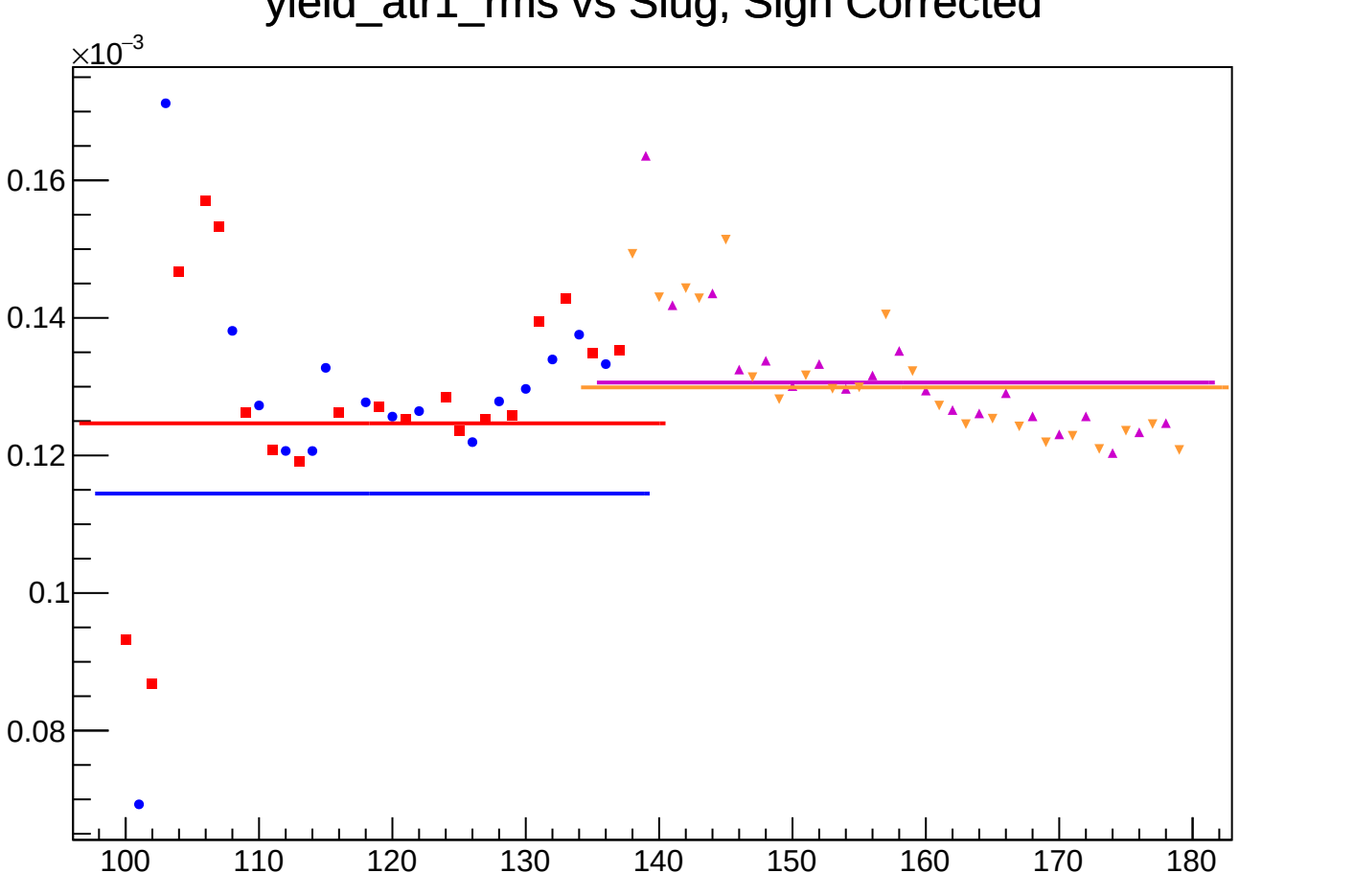
Left: 0.039+/-0.000 χ^2/NDF: 791845741.0/41

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:135857432652.3/35

Out: 0.038+/-0.000 χ^2/NDF:53289555457.4/40

All: 0.037+/-0.000 χ^2/NDF: 191664052383.2



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:147077.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:130412.9/19

Left: 0.000+/-0.000 χ^2/NDF: 277974.3/41

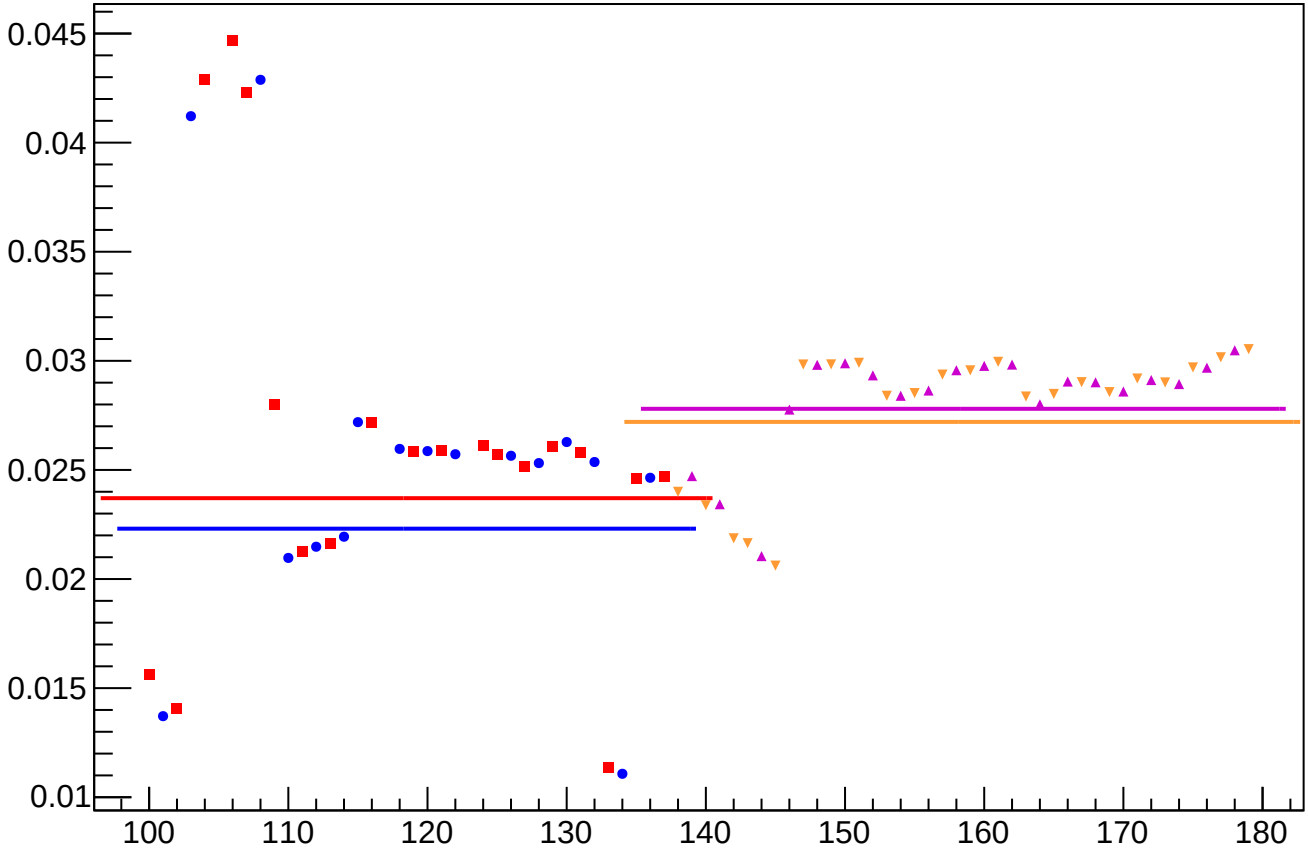
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1154825.3/35

Out: 0.000+/-0.000 χ^2/NDF:424345.9/40

All: 0.000+/-0.000 χ^2/NDF: 1595689.9/76

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:2150526981.1/21

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1407135140.2/19

Left: 0.027+/-0.000 χ^2/NDF: 3589791681.3/41

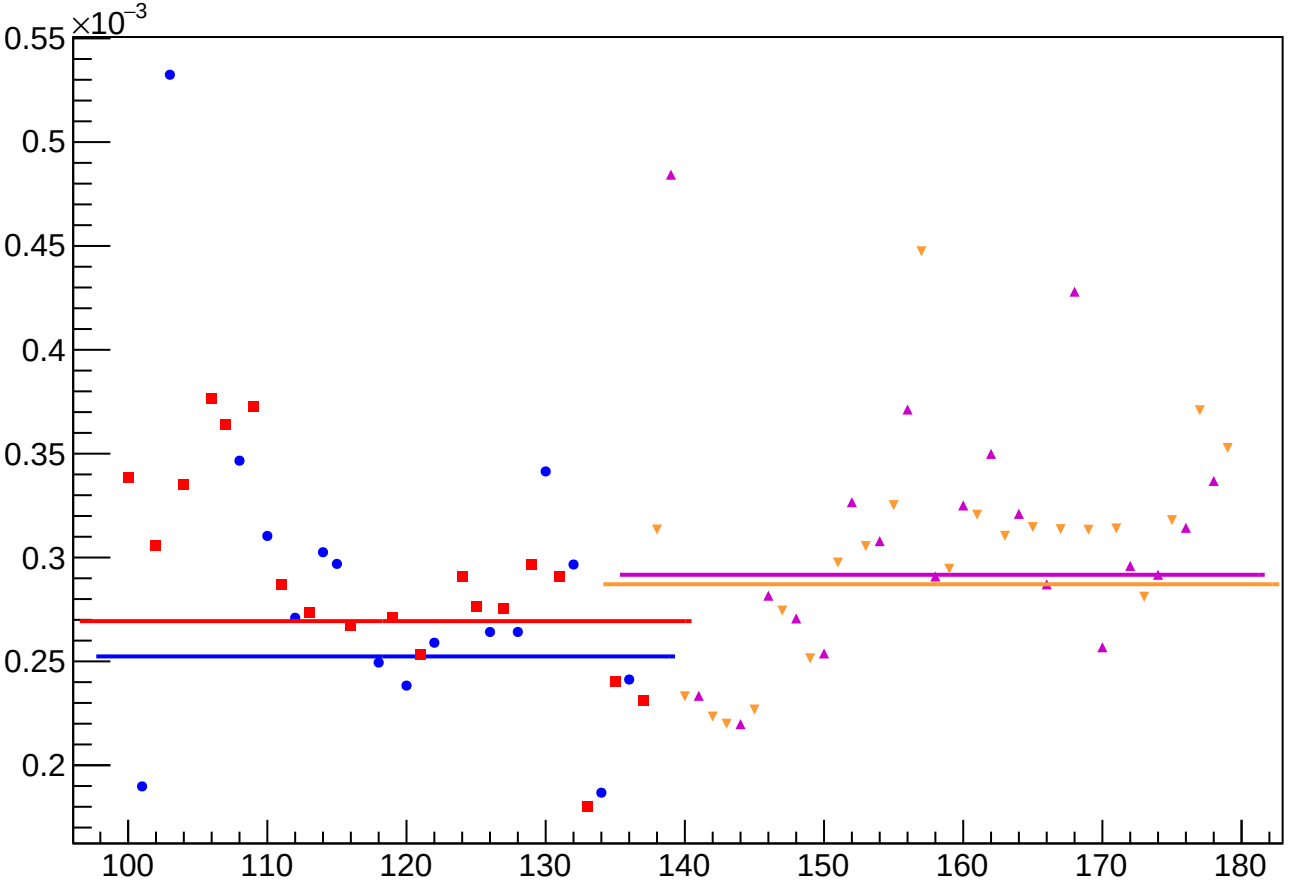
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8303928078.4/35

Out: 0.026+/-0.000 χ^2/NDF:8469352929.2/40

All: 0.026+/-0.000 χ^2/NDF: 16782999173.9/7

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:812370.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:958283.0/19

Left: 0.000+/-0.000 χ^2/NDF: 1774375.7/41

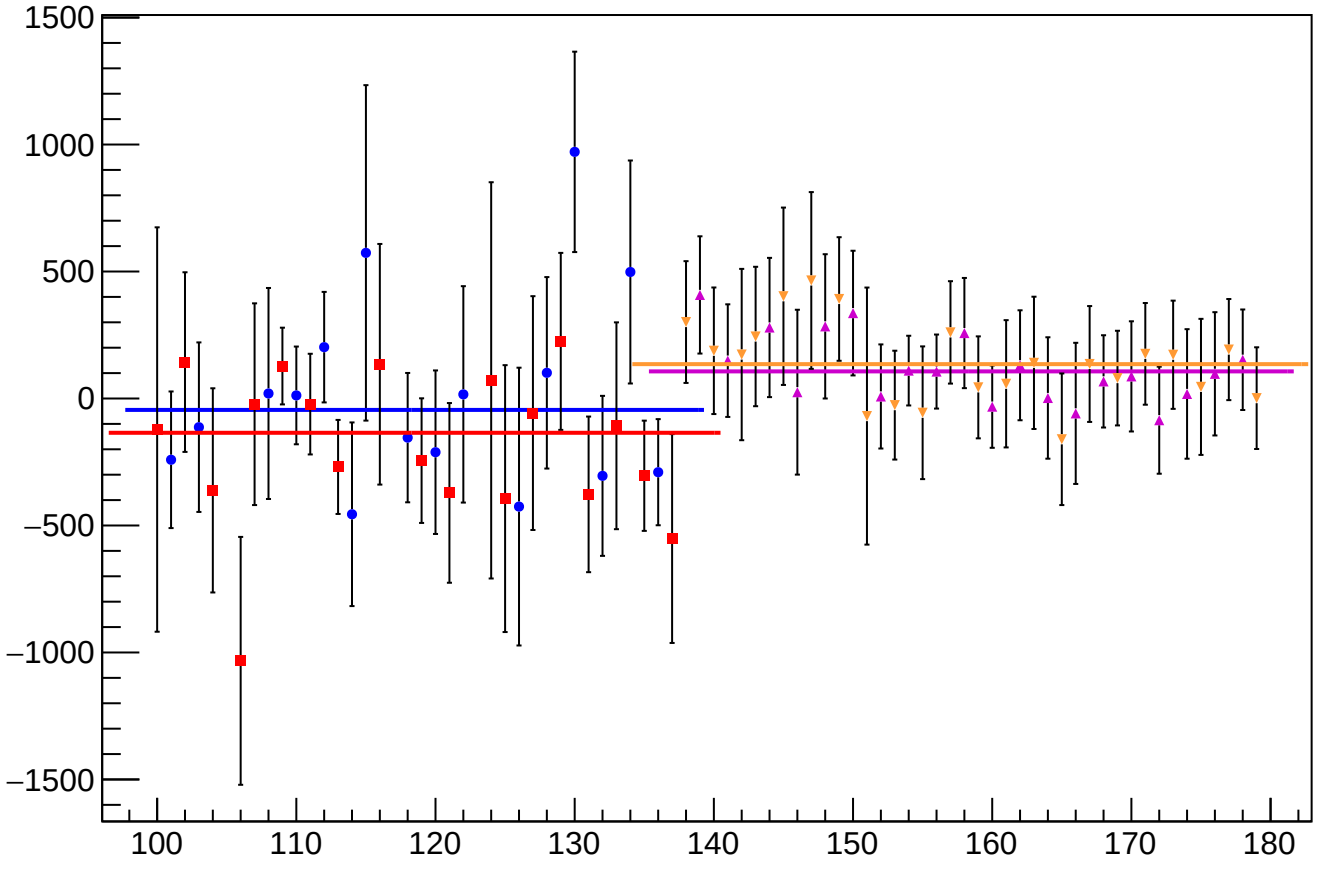
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1859069.8/35

Out: 0.000+/-0.000 χ^2/NDF:1296747.0/40

All: 0.000+/-0.000 χ^2/NDF: 3160150.1/76

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 135.281+/-51.074 χ^2/NDF:7.3/21

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 106.754+/-46.732 χ^2/NDF:6.5/19

Left: 119.753+/-34.477 χ^2/NDF: 14.0/41

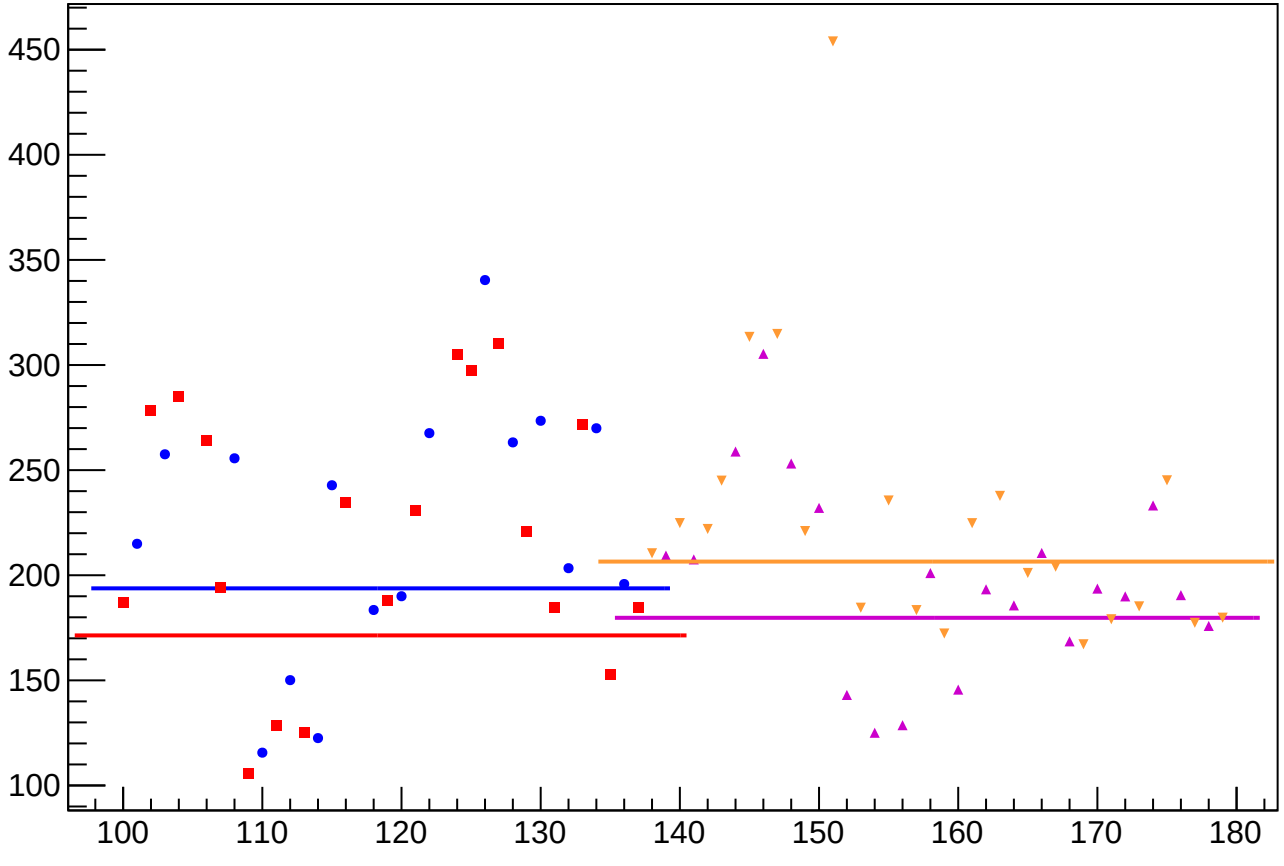
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 65.299+/-39.837 χ^2/NDF:24.9/35

Out: 37.913+/-40.851 χ^2/NDF:30.4/40

All: 51.951+/-28.521 χ^2/NDF: 55.5/76

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.500+/-0.036 χ^2/NDF:1358310.1/21

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

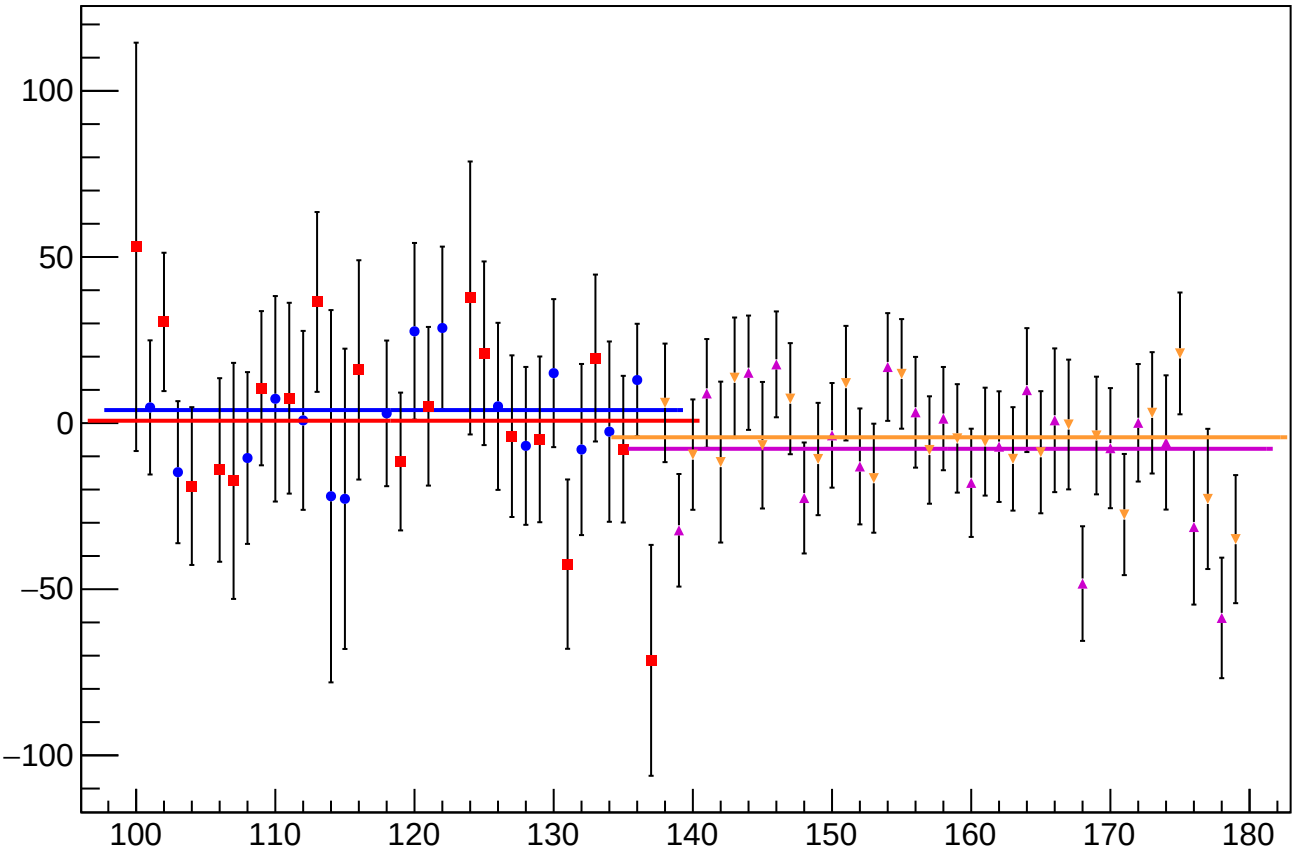
Left: 191.943+/-0.024 χ^2/NDF: 3293119.7/41

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.585+/-0.028 χ^2/NDF:2733549.9/35

Out: 193.849+/-0.029 χ^2/NDF:3357031.8/40

All: 188.588+/-0.020 χ^2/NDF: 6155288.3/76



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -4.261+/-3.772 χ^2/NDF:12.3/21

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -7.732+/-3.884 χ^2/NDF:27.6/19

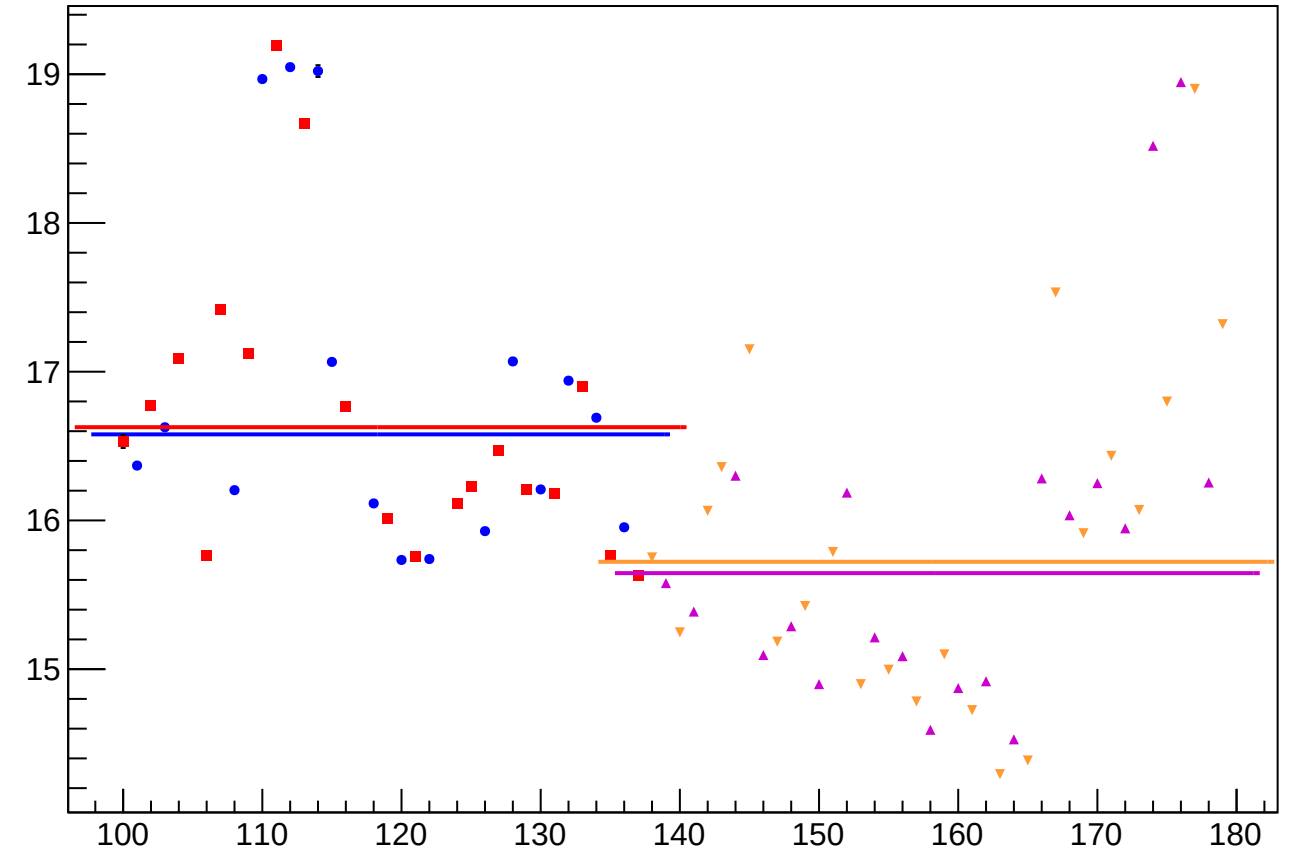
Left: -5.946+/-2.706 χ^2/NDF: 40.2/41

Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -4.426+/-3.287 χ^2/NDF:34.6/35

Out: -2.877+/-3.205 χ^2/NDF:28.7/40

All: -3.632+/-2.295 χ^2/NDF: 63.4/76



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.722+/-0.003 χ^2/NDF:159190.8/21

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.646+/-0.003 χ^2/NDF:129704.9/19

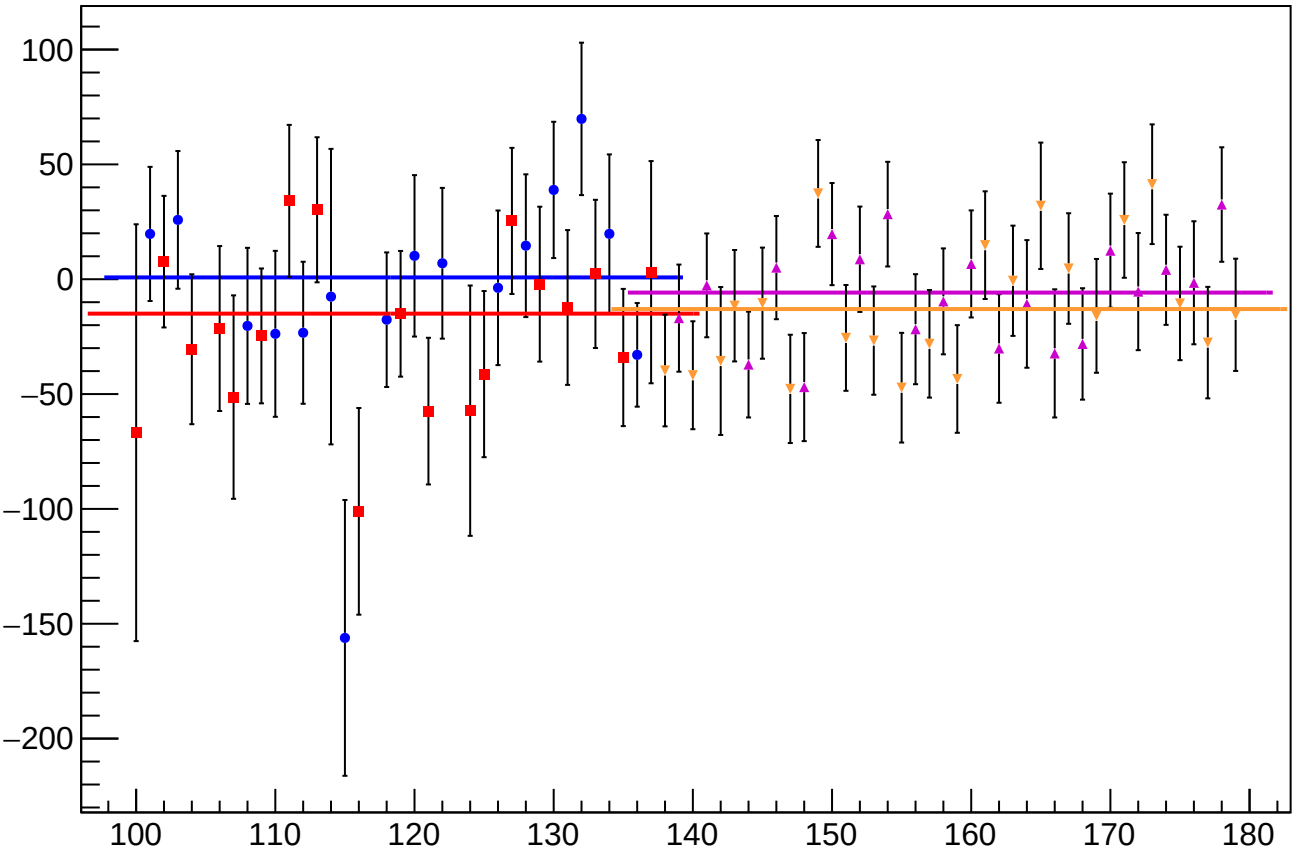
Left: 15.685+/-0.002 χ^2/NDF: 289291.8/41

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.910+/-0.002 χ^2/NDF:207015.8/35

Out: 15.974+/-0.002 χ^2/NDF:234672.6/40

All: 15.943+/-0.002 χ^2/NDF: 442068.6/76



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.985+/-5.206 χ^2/NDF:26.9/21

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -5.816+/-5.364 χ^2/NDF:16.1/19

Left: -9.508+/-3.736 χ^2/NDF: 43.9/41

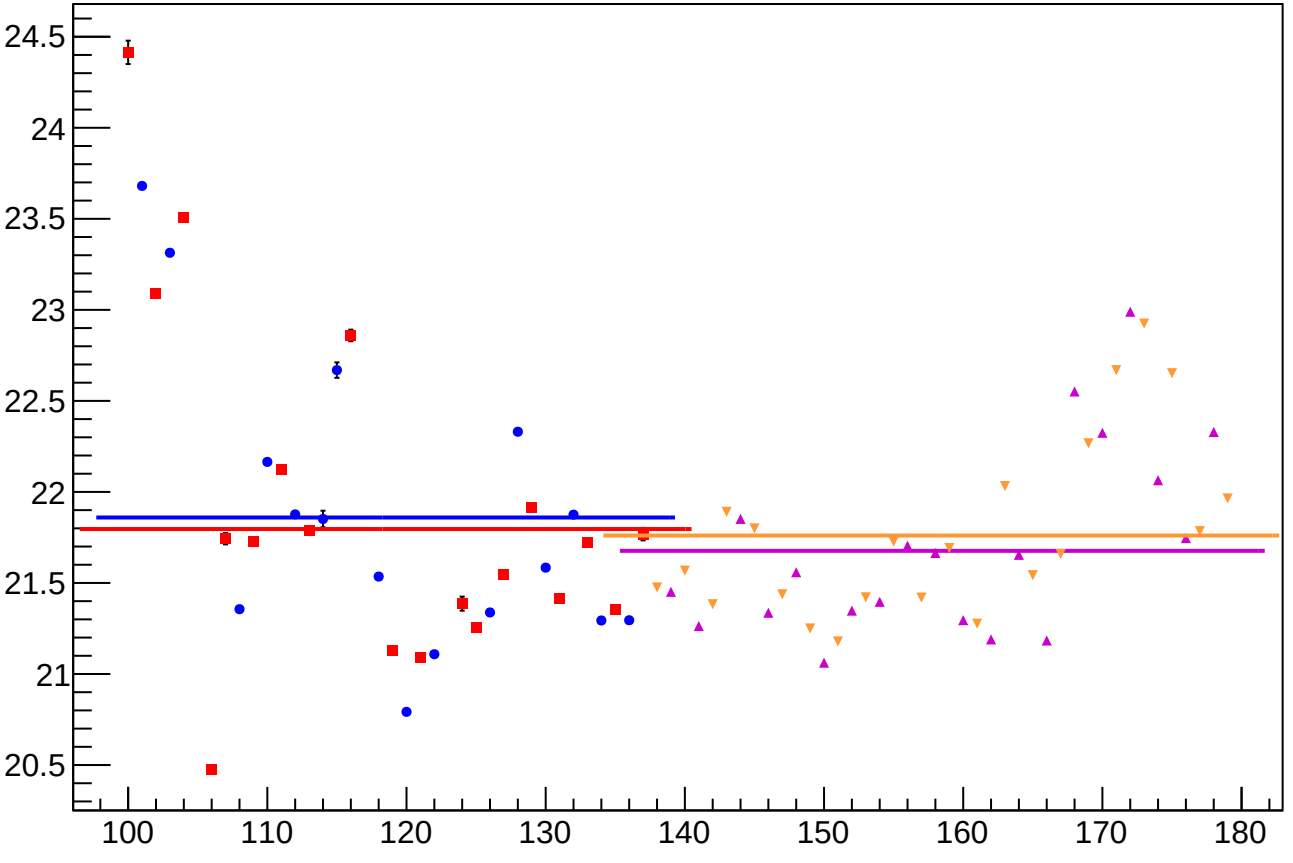
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.811+/-4.476 χ^2/NDF:35.2/35

Out: -13.584+/-4.356 χ^2/NDF:42.3/40

All: -8.831+/-3.122 χ^2/NDF: 79.9/76

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.761+/-0.004 χ^2/NDF:15671.7/21

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.676+/-0.004 χ^2/NDF:16909.3/19

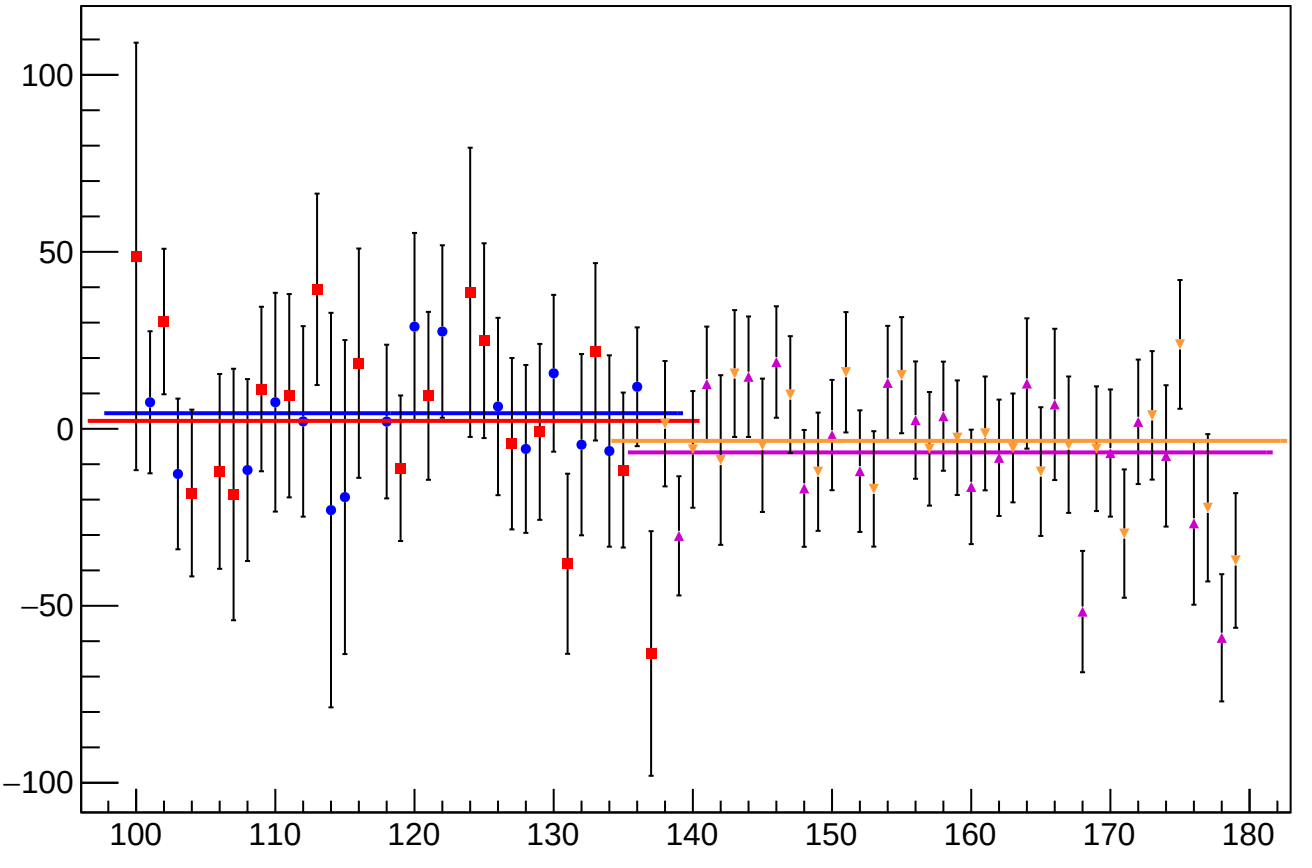
Left: 21.720+/-0.003 χ^2/NDF: 32835.0/41

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.732+/-0.003 χ^2/NDF:37085.9/35

Out: 21.771+/-0.003 χ^2/NDF:34561.3/40

All: 21.752+/-0.002 χ^2/NDF: 71726.4/76



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -3.403+/-3.736 χ^2/NDF:14.2/21

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -6.665+/-3.847 χ^2/NDF:28.7/19

Left: -4.986+/-2.680 χ^2/NDF: 43.3/41

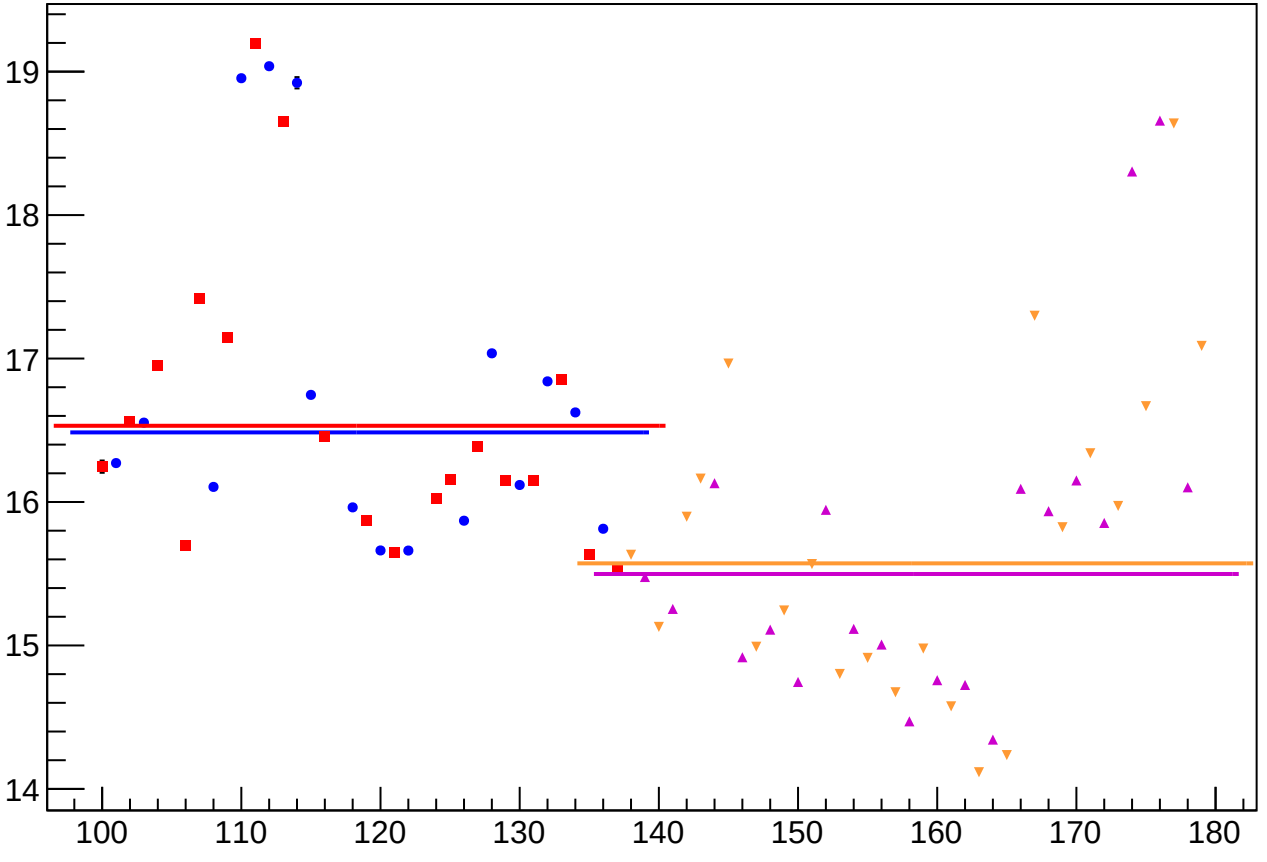
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -3.543+/-3.259 χ^2/NDF:35.3/35

Out: -1.841+/-3.178 χ^2/NDF:30.2/40

All: -2.671+/-2.275 χ^2/NDF: 65.7/76

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.572+/-0.003 χ^2/NDF:155697.6/21

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.498+/-0.003 χ^2/NDF:127116.8/19

Left: 15.536+/-0.002 χ^2/NDF: 283197.0/41

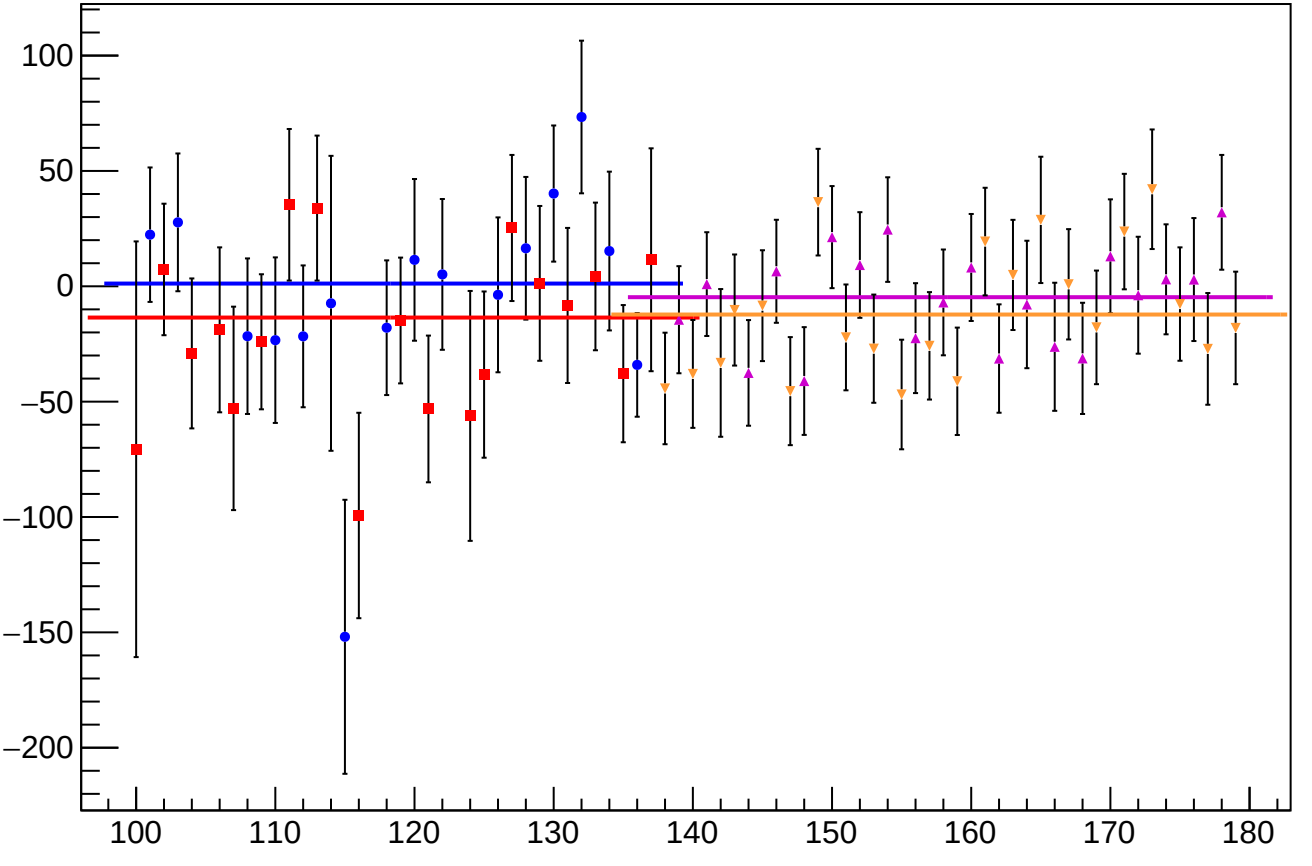
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.776+/-0.002 χ^2/NDF:211441.7/35

Out: 15.837+/-0.002 χ^2/NDF:238619.3/40

All: 15.808+/-0.002 χ^2/NDF: 450420.5/76

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -12.241+/-5.177 χ^2/NDF:26.4/21

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -4.722+/-5.336 χ^2/NDF:15.3/19

Left: -8.595+/-3.716 χ^2/NDF: 42.6/41

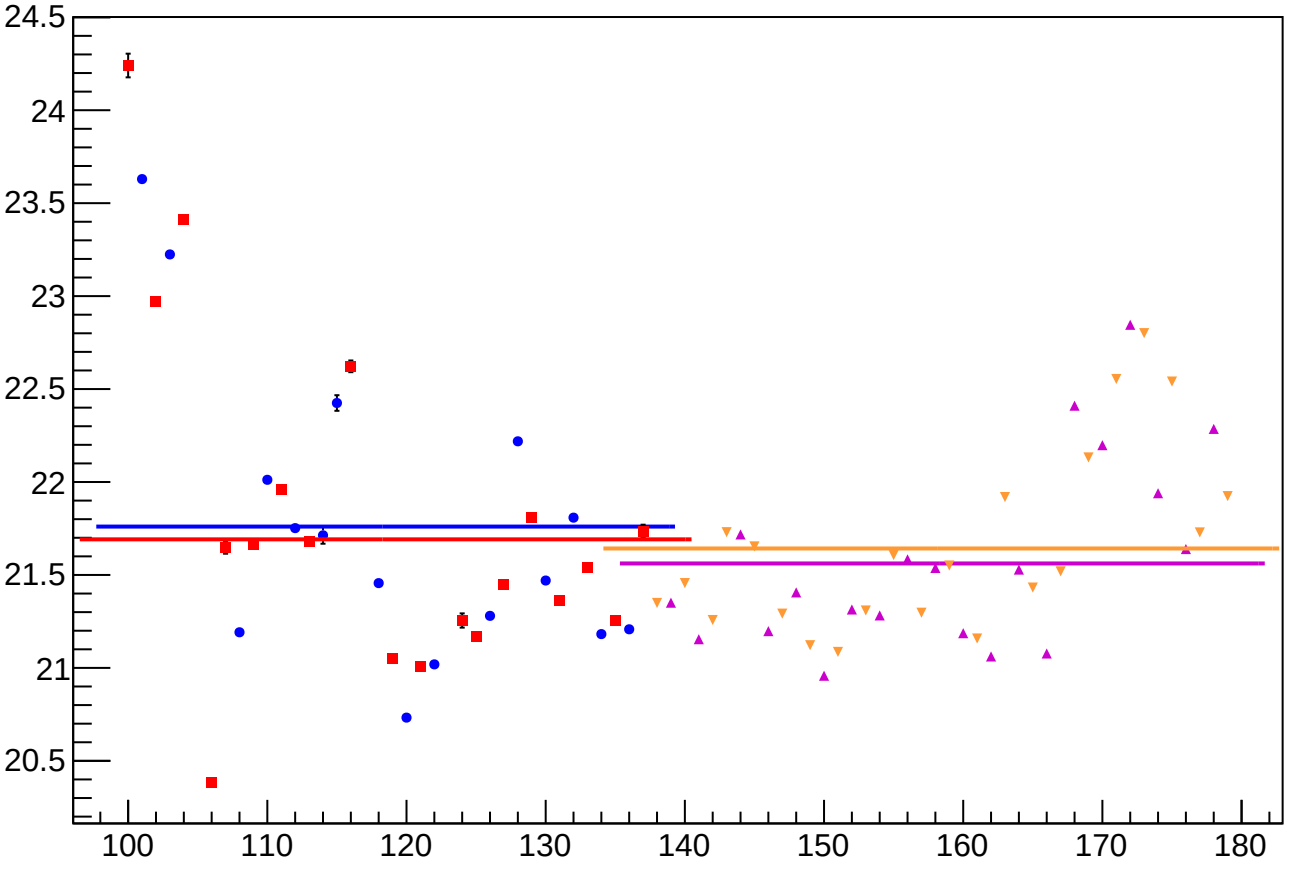
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.931+/-4.454 χ^2/NDF:35.0/35

Out: -12.633+/-4.333 χ^2/NDF:42.3/40

All: -7.915+/-3.106 χ^2/NDF: 79.8/76

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.642+/-0.004 χ^2/NDF:15961.7/21

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.562+/-0.004 χ^2/NDF:16766.4/19

Left: 21.603+/-0.003 χ^2/NDF: 32962.9/41

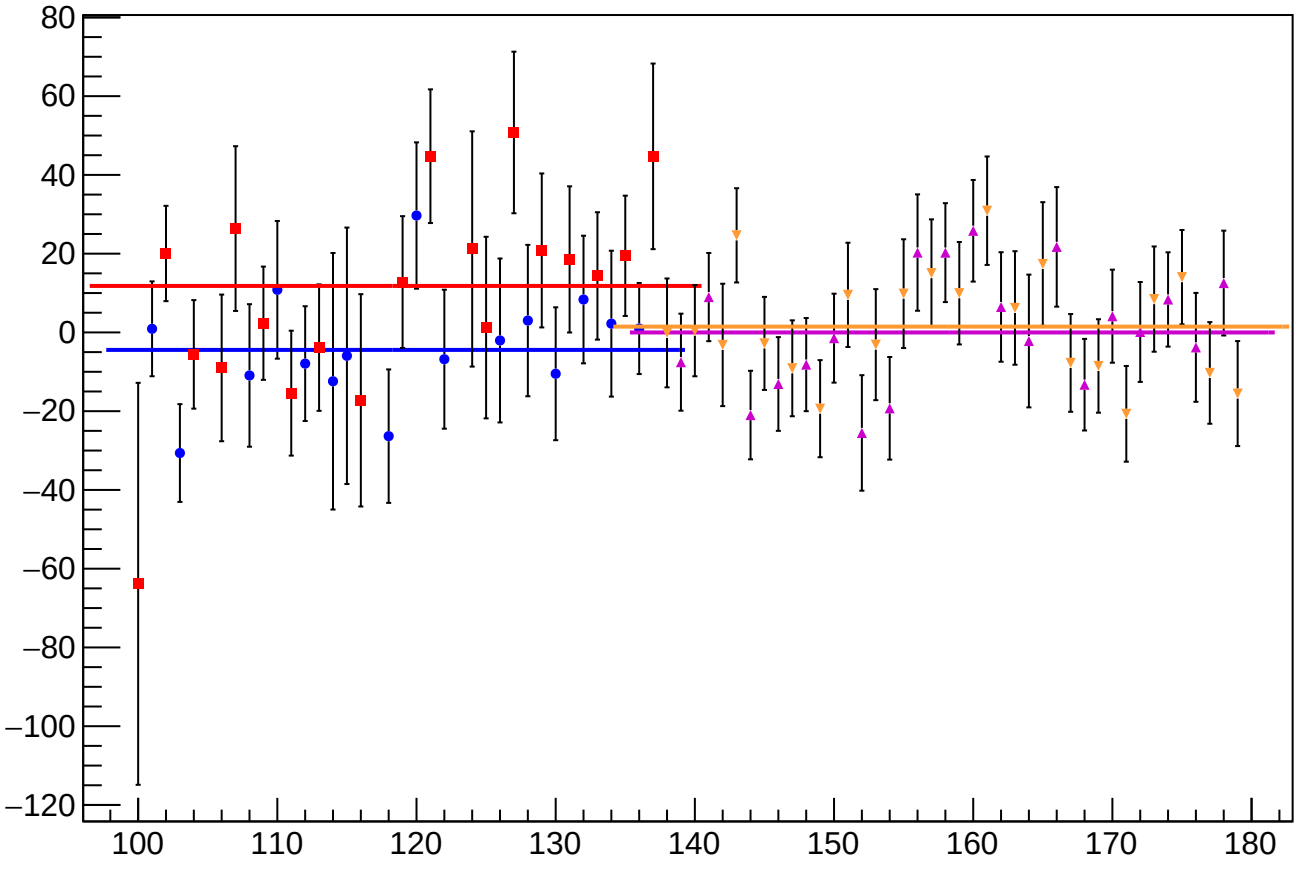
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.622+/-0.003 χ^2/NDF:37350.7/35

Out: 21.657+/-0.003 χ^2/NDF:34346.4/40

All: 21.640+/-0.002 χ^2/NDF: 71760.9/76

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.473+/-2.771 χ^2/NDF:24.0/21

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.009+/-2.844 χ^2/NDF:25.1/19

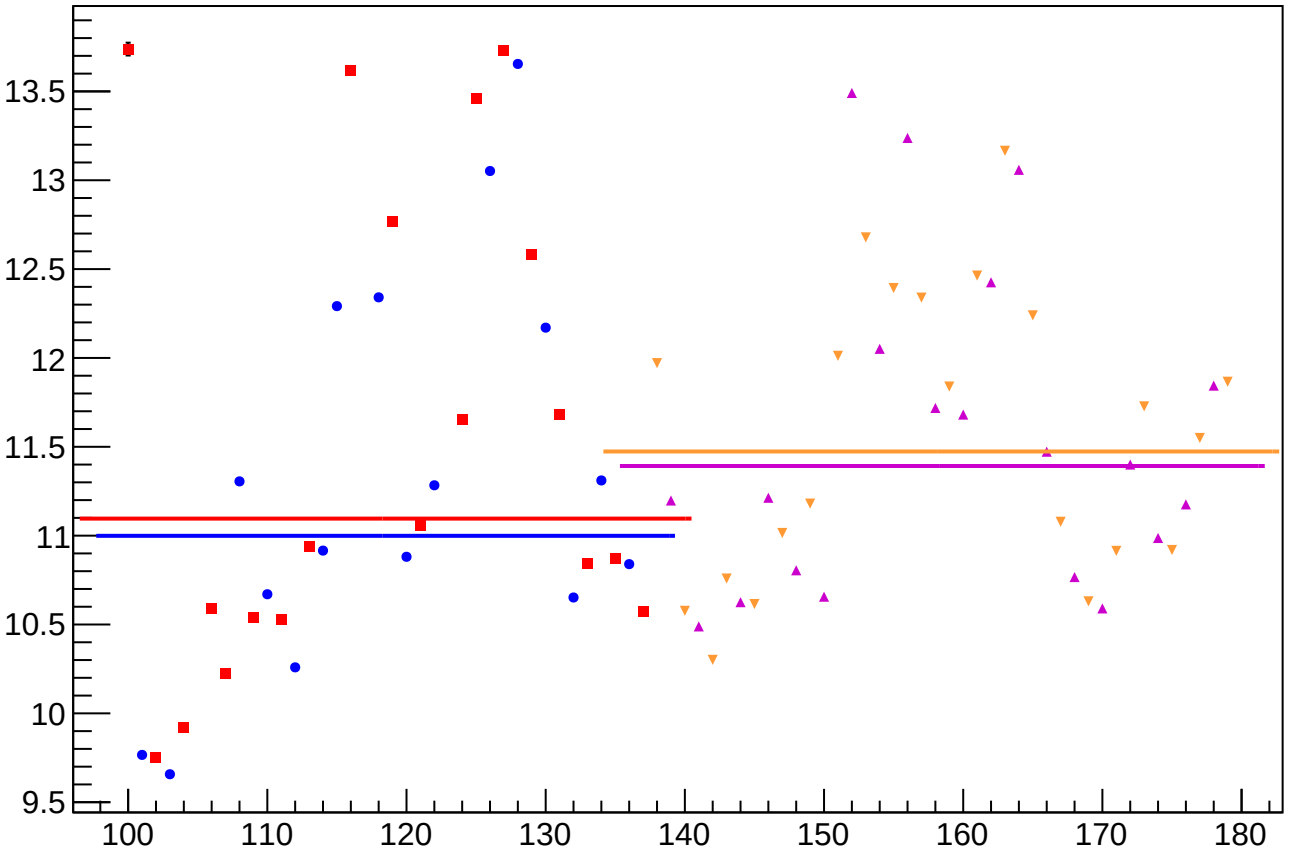
Left: 0.751+/-1.985 χ^2/NDF: 49.2/41

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.434+/-2.343 χ^2/NDF:37.8/35

Out: 4.715+/-2.295 χ^2/NDF:50.1/40

All: 1.703+/-1.639 χ^2/NDF: 91.4/76



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.474+/-0.002 χ^2/NDF:149885.1/21

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

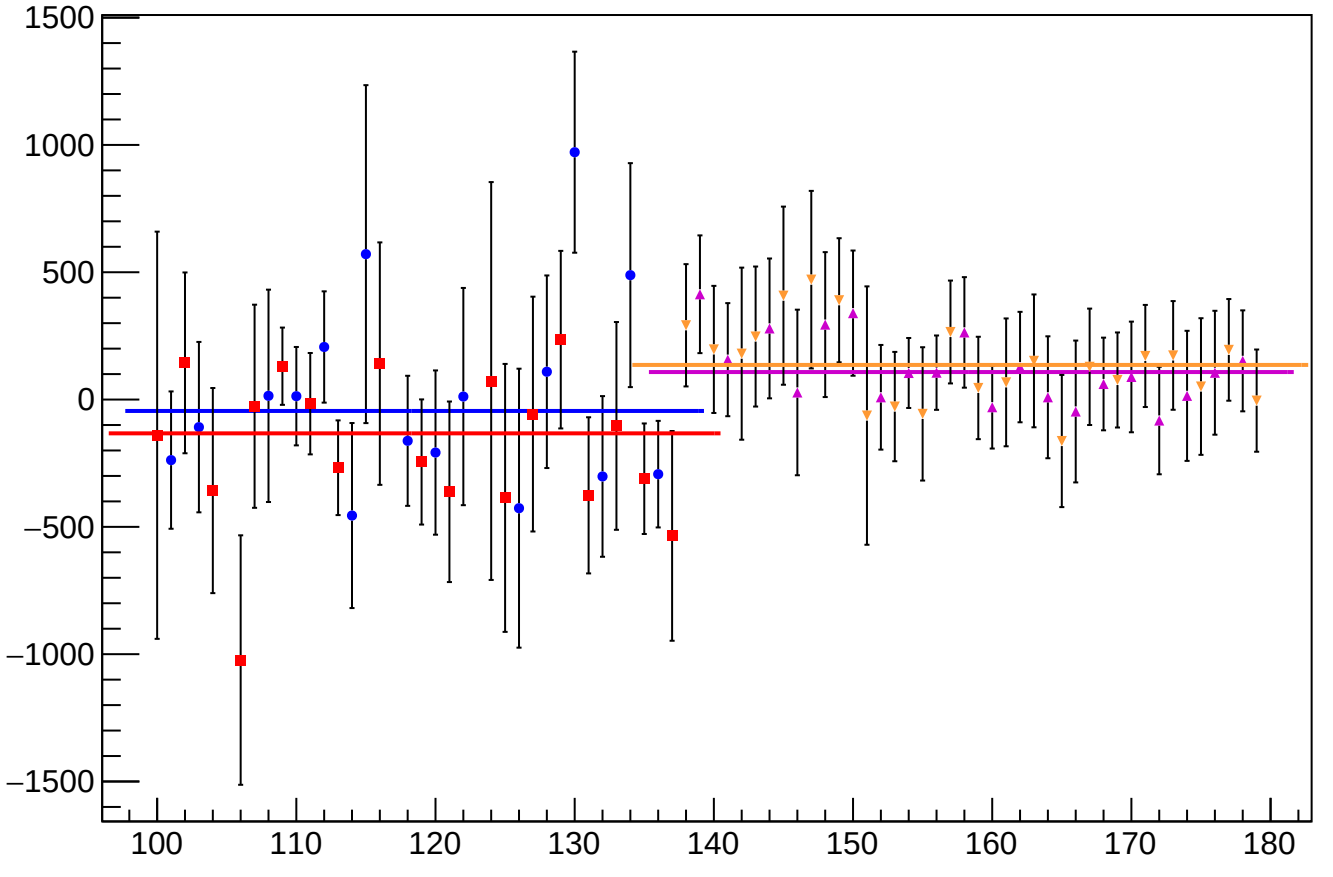
Left: 11.434+/-0.001 χ^2/NDF: 317765.3/41

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.266+/-0.002 χ^2/NDF:315469.1/35

Out: 11.355+/-0.002 χ^2/NDF:324453.2/40

All: 11.311+/-0.001 χ^2/NDF: 641412.5/76



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 135.971+/-51.172 χ^2/NDF:7.4/21

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 108.004+/-46.810 χ^2/NDF:6.6/19

Left: 120.745+/-34.539 χ^2/NDF: 14.2/41

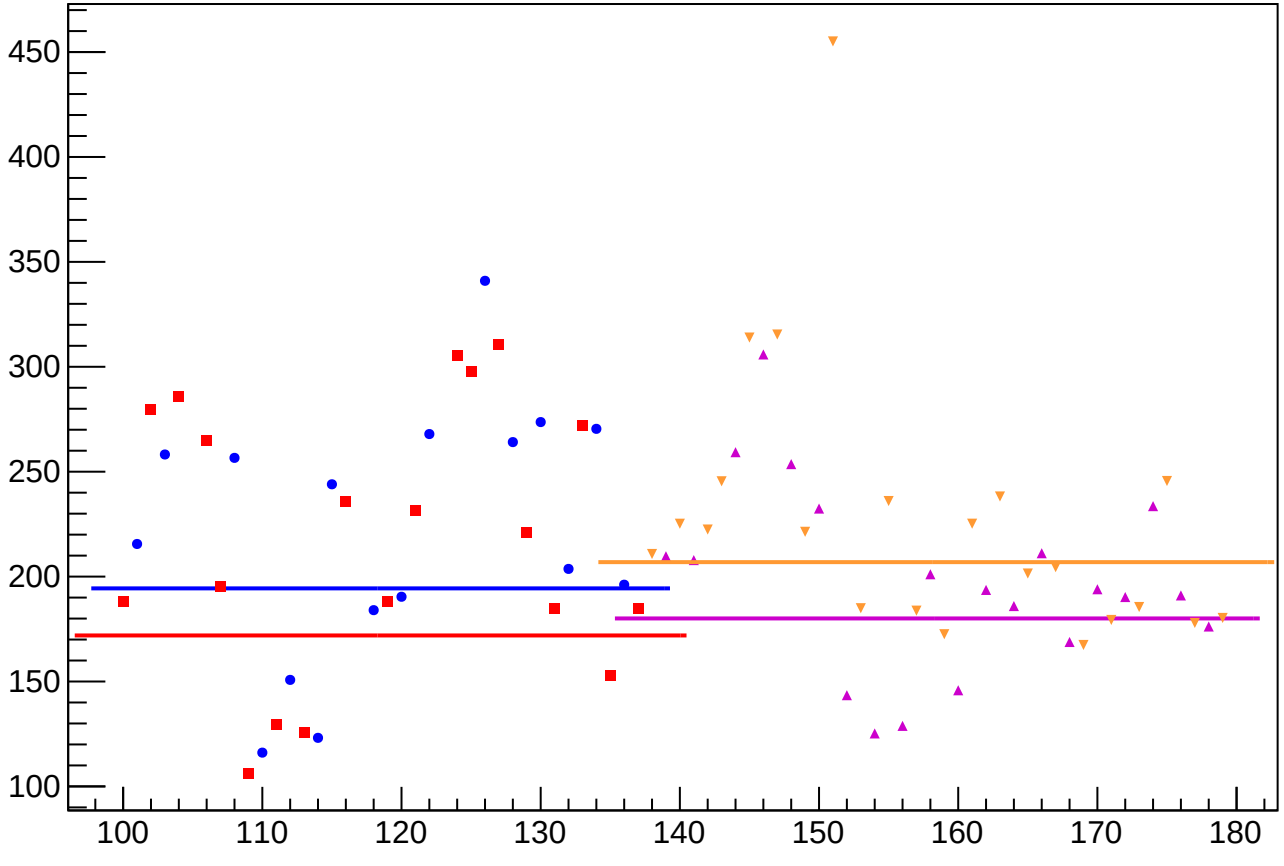
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 66.318+/-39.917 χ^2/NDF:24.9/35

Out: 39.312+/-40.946 χ^2/NDF:30.2/40

All: 53.158+/-28.583 χ^2/NDF: 55.3/76

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 206.893+/-0.036 χ^2/NDF:1358158.4/21

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.055+/-0.033 χ^2/NDF:1636835.8/19

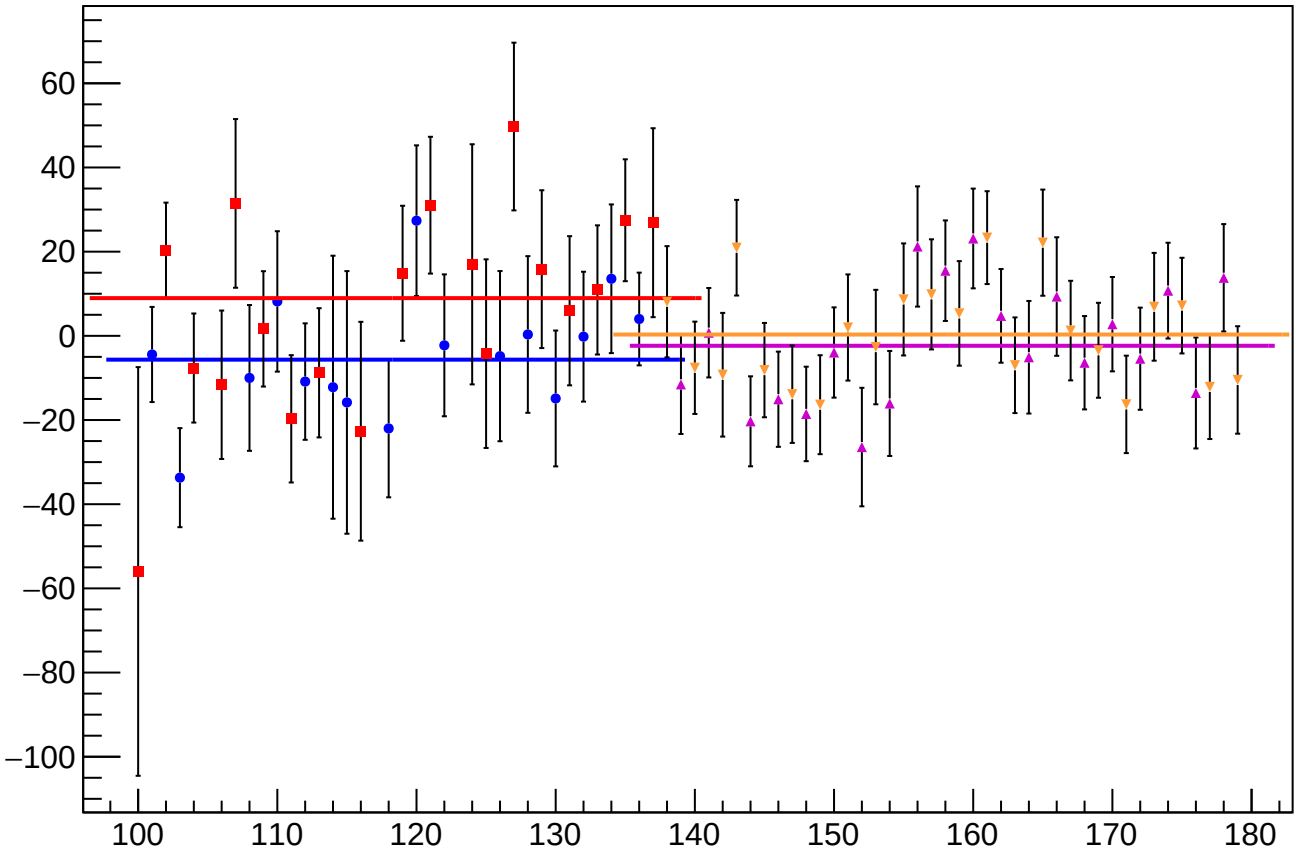
Left: 192.282+/-0.024 χ^2/NDF: 3294507.6/41

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 183.965+/-0.028 χ^2/NDF:2729994.2/35

Out: 194.323+/-0.029 χ^2/NDF:3345007.4/40

All: 189.012+/-0.020 χ^2/NDF: 6140625.2/76



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.310+/-2.582 χ^2/NDF:22.1/21

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.363+/-2.664 χ^2/NDF:25.8/19

Left: -0.985+/-1.854 χ^2/NDF: 48.4/41

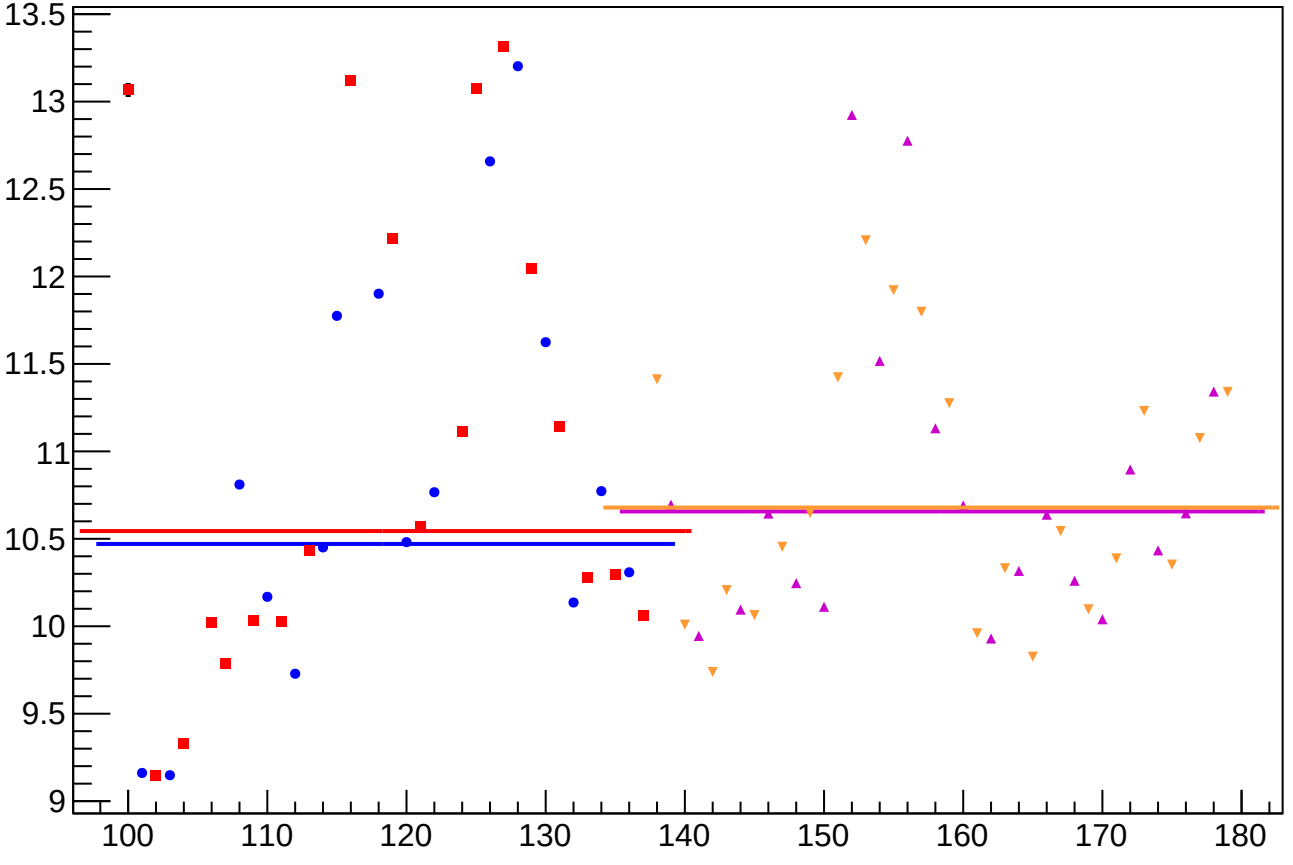
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.396+/-2.207 χ^2/NDF:39.9/35

Out: 2.946+/-2.153 χ^2/NDF:48.3/40

All: -0.148+/-1.541 χ^2/NDF: 92.5/76

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.679+/-0.002 χ^2/NDF:140127.7/21

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.656+/-0.002 χ^2/NDF:156706.1/19

Left: 10.668+/-0.001 χ^2/NDF: 296906.5/41

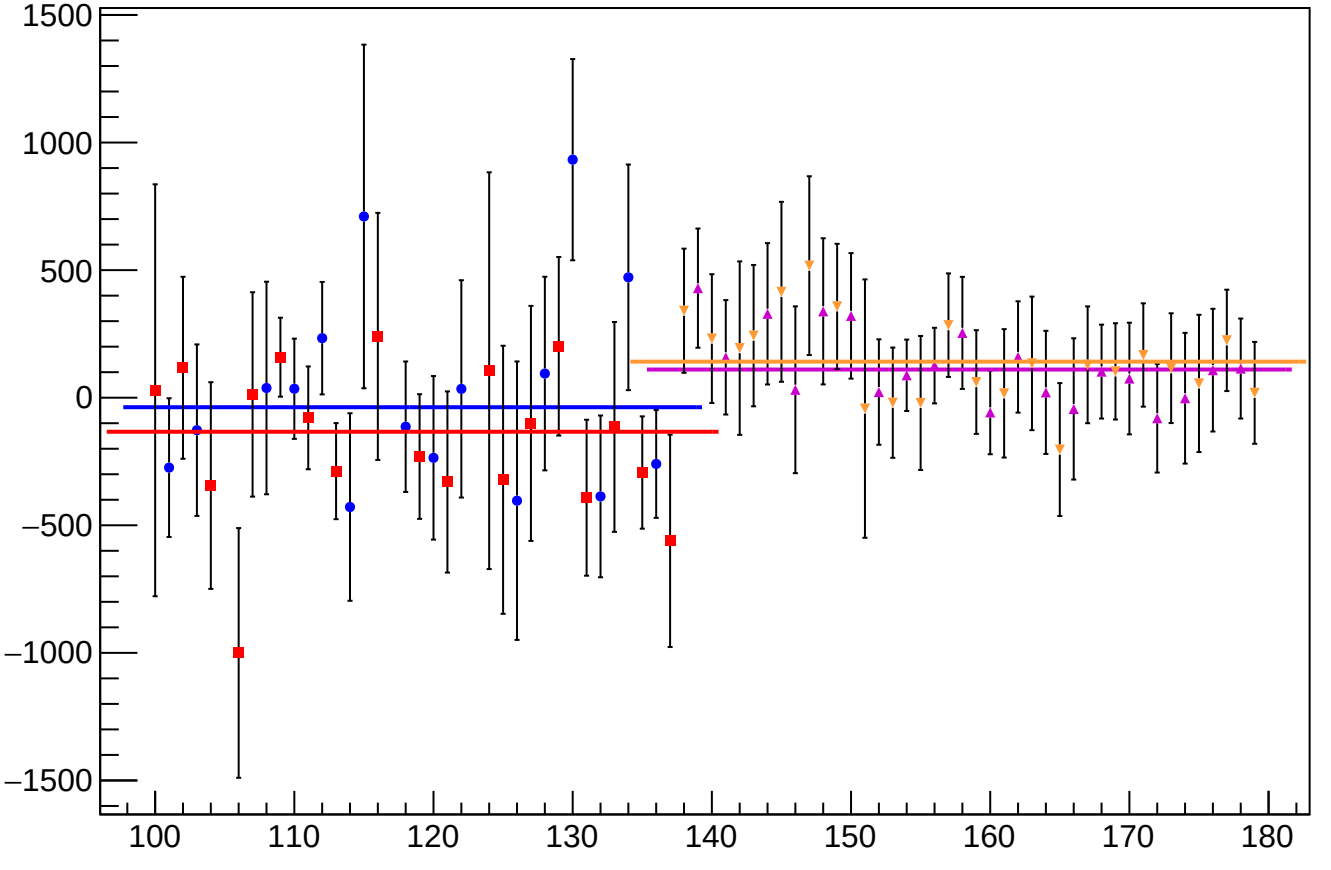
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.598+/-0.002 χ^2/NDF:317126.6/35

Out: 10.638+/-0.002 χ^2/NDF:328560.0/40

All: 10.618+/-0.001 χ^2/NDF: 646018.6/76

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 141.275+/-51.433 χ^2/NDF:7.9/21

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 110.432+/-47.161 χ^2/NDF:7.2/19

Left: 124.519+/-34.760 χ^2/NDF: 15.3/41

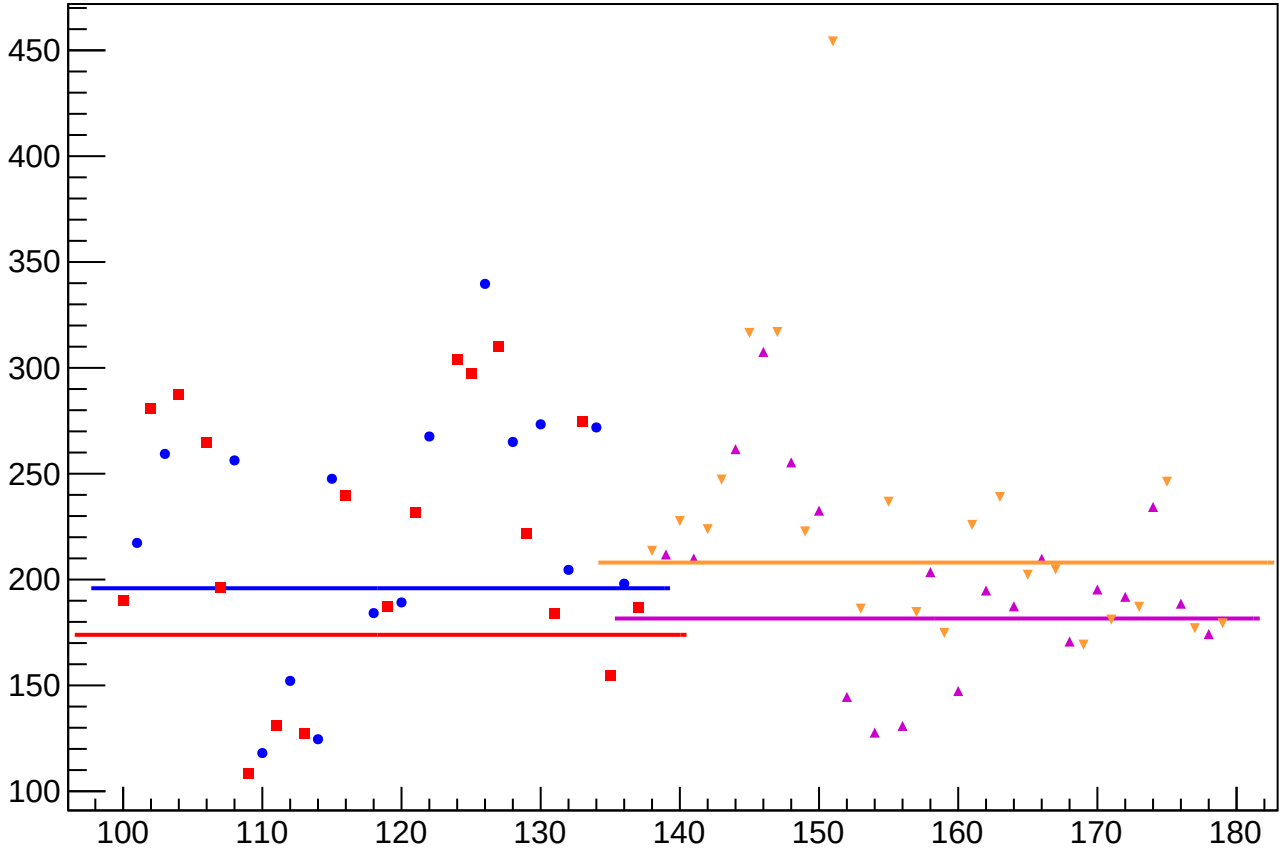
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 70.083+/-40.205 χ^2/NDF:25.5/35

Out: 42.963+/-41.213 χ^2/NDF:31.0/40

All: 56.859+/-28.779 χ^2/NDF: 56.8/76

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 208.026+/-0.036 χ^2/NDF:1353038.9/21

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.606+/-0.033 χ^2/NDF:1588250.9/19

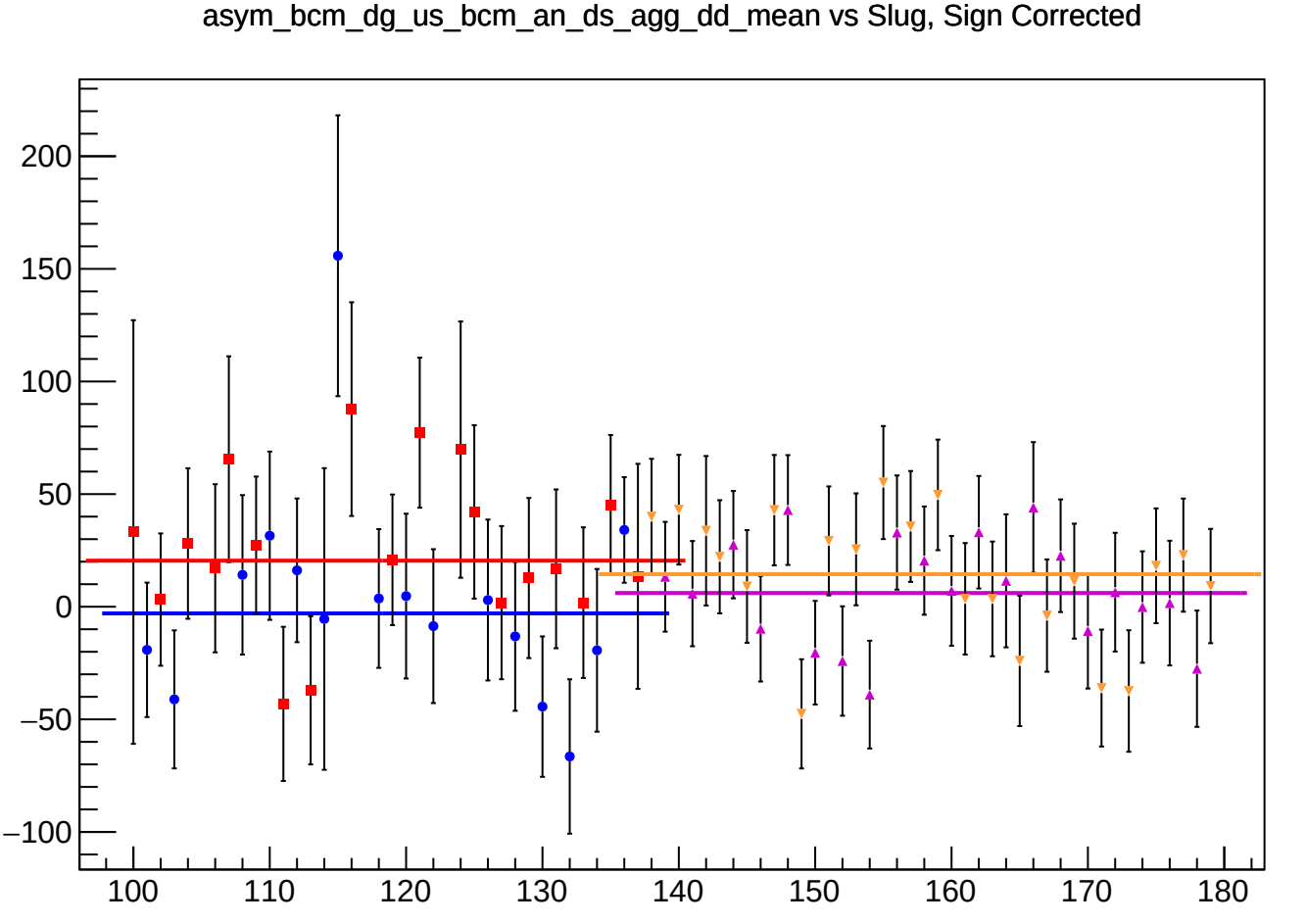
Left: 193.673+/-0.025 χ^2/NDF: 3227973.1/41

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

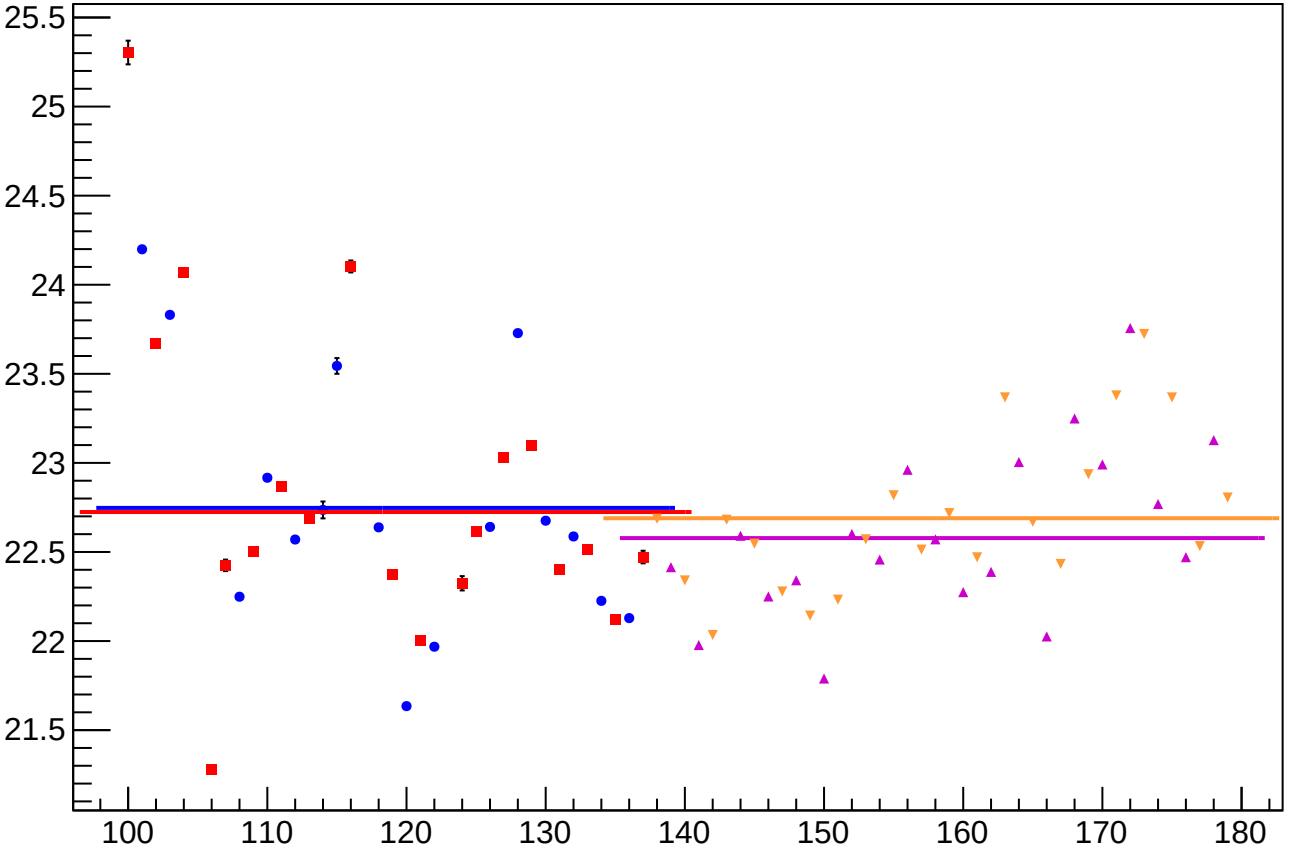
In: 185.512+/-0.028 χ^2/NDF:2649458.7/35

Out: 195.812+/-0.029 χ^2/NDF:3267776.5/40

All: 190.534+/-0.020 χ^2/NDF: 5981240.1/76


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 14.466+/-5.428 χ²/NDF:27.1/21
Right Out: 20.457+/-8.292 χ²/NDF: 15.3/18
Left In: 6.098+/-5.587 χ²/NDF:17.1/19
Left: 10.403+/-3.893 χ²/NDF: 45.4/41
Right: 8.972+/-5.920 χ²/NDF: 37.1/34
In: 3.342+/-4.661 χ²/NDF:35.8/35
Out: 16.263+/-4.542 χ²/NDF:42.8/40
All: 9.971+/-3.253 χ²/NDF: 82.6/76

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.689+/-0.004 χ^2/NDF:11621.8/21

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

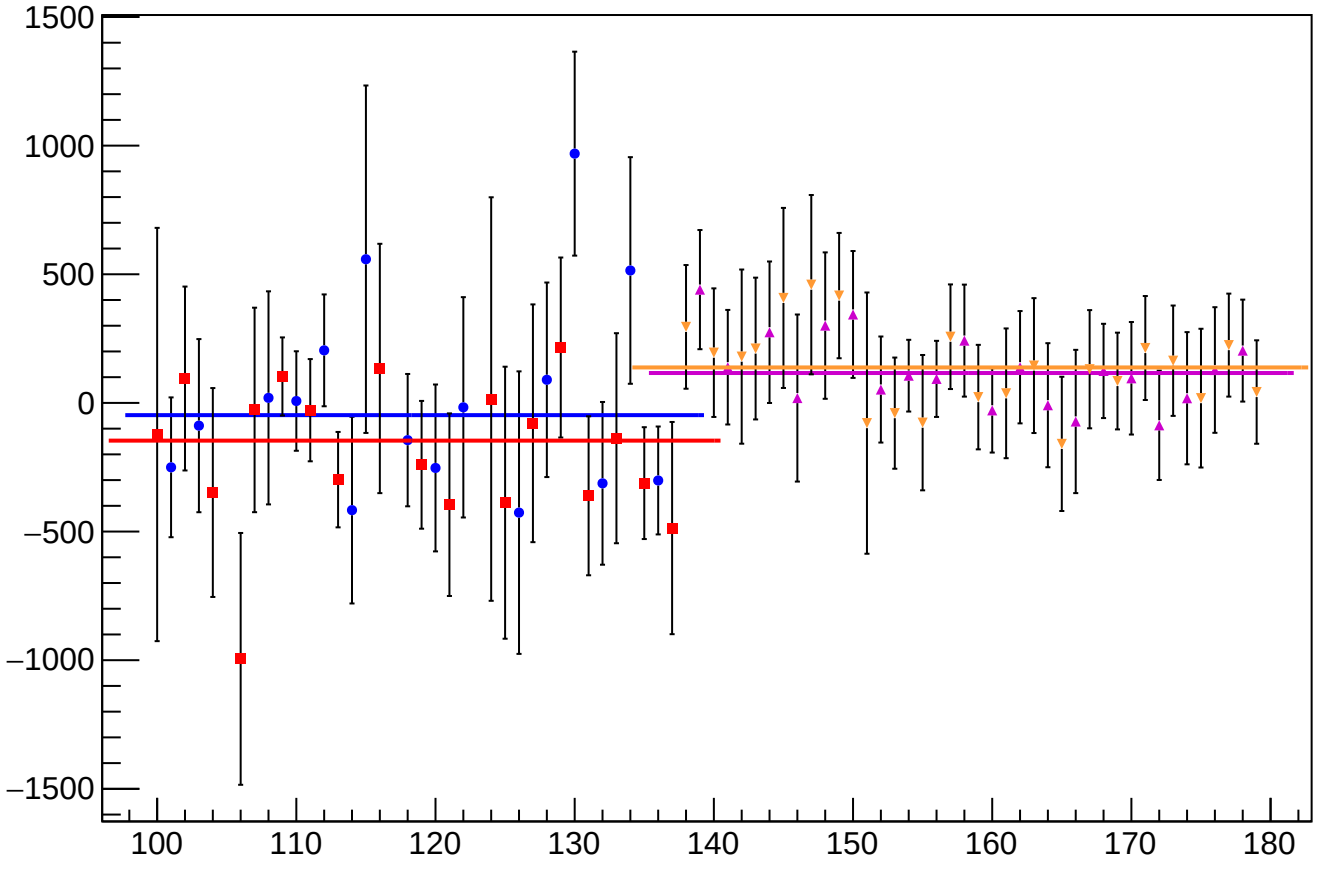
Left: 22.635+/-0.003 χ^2/NDF: 25471.4/41

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.629+/-0.003 χ^2/NDF:28623.2/35

Out: 22.700+/-0.003 χ^2/NDF:26137.3/40

All: 22.666+/-0.002 χ^2/NDF: 54994.1/76



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 137.871+/-51.396 χ^2/NDF:7.8/21

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 116.193+/-47.106 χ^2/NDF:6.9/19

Left: 126.090+/-34.727 χ^2/NDF: 14.8/41

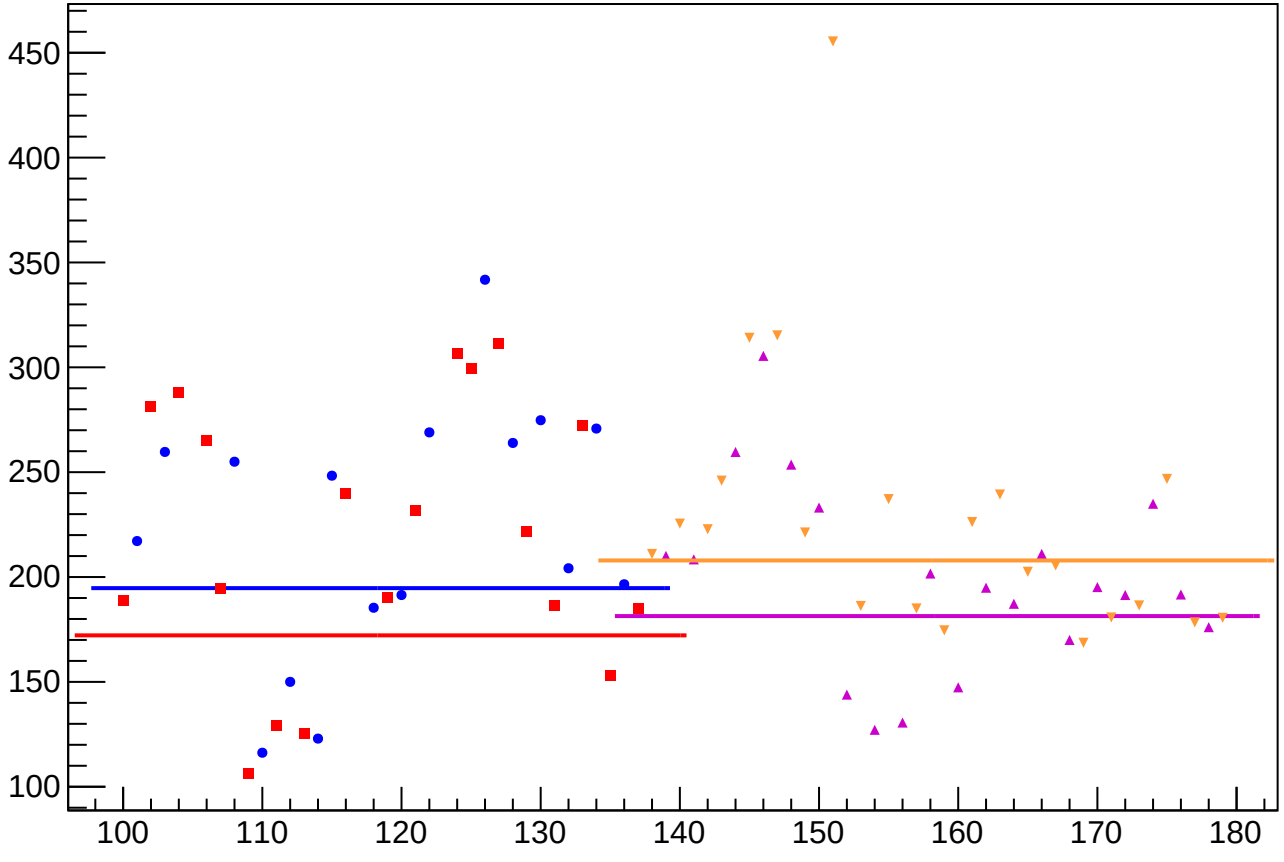
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 71.244+/-40.122 χ^2/NDF:25.6/35

Out: 35.221+/-41.089 χ^2/NDF:30.4/40

All: 53.662+/-28.706 χ^2/NDF: 56.5/76

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 207.902+/-0.036 χ^2/NDF:1337311.9/21

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.382+/-0.033 χ^2/NDF:1582248.5/19

Left: 193.489+/-0.025 χ^2/NDF: 3208960.9/41

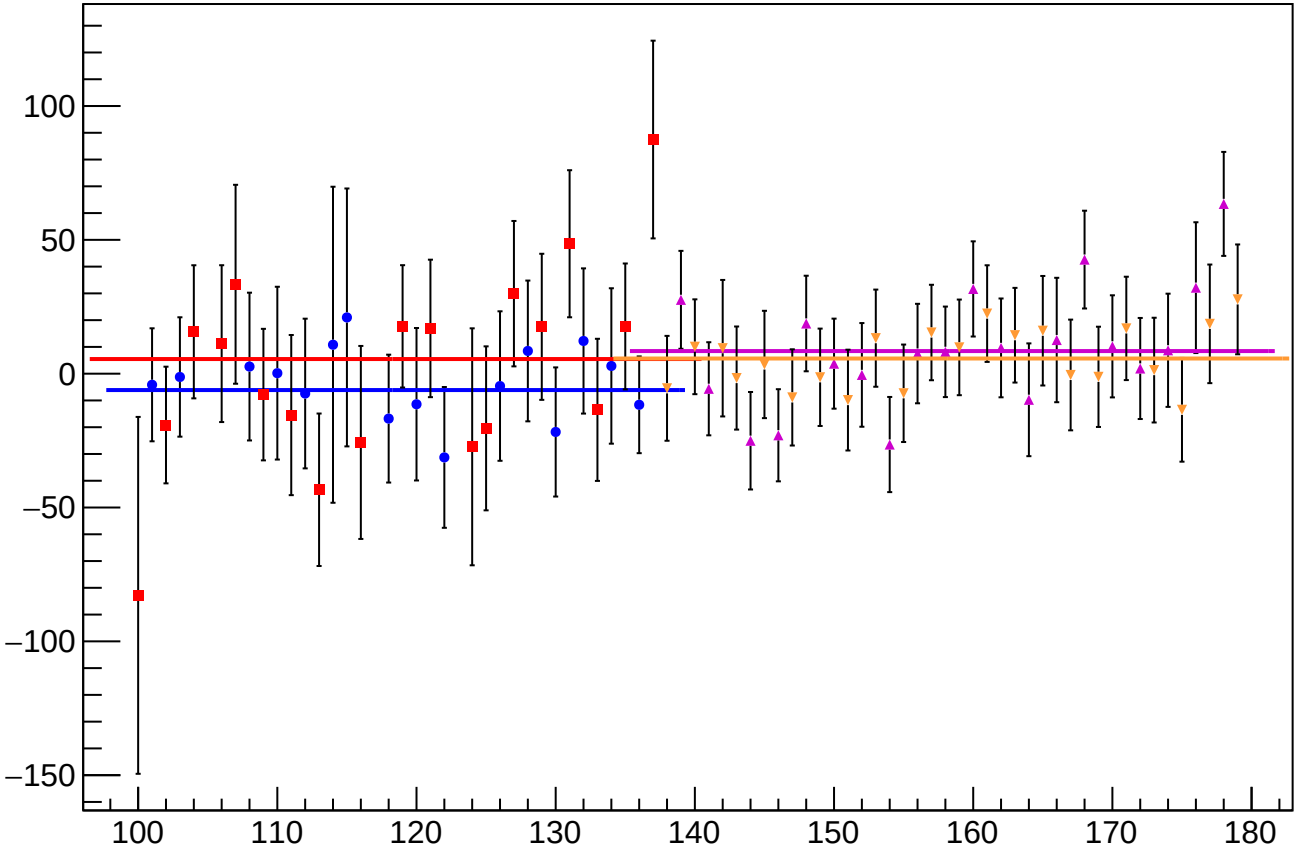
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.041+/-0.028 χ^2/NDF:2678483.1/35

Out: 195.013+/-0.029 χ^2/NDF:3356920.4/40

All: 189.908+/-0.020 χ^2/NDF: 6095710.9/76

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.669+/-4.083 χ^2/NDF:7.5/21

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 8.446+/-4.192 χ^2/NDF:28.0/19

Left: 7.021+/-2.925 χ^2/NDF: 35.8/41

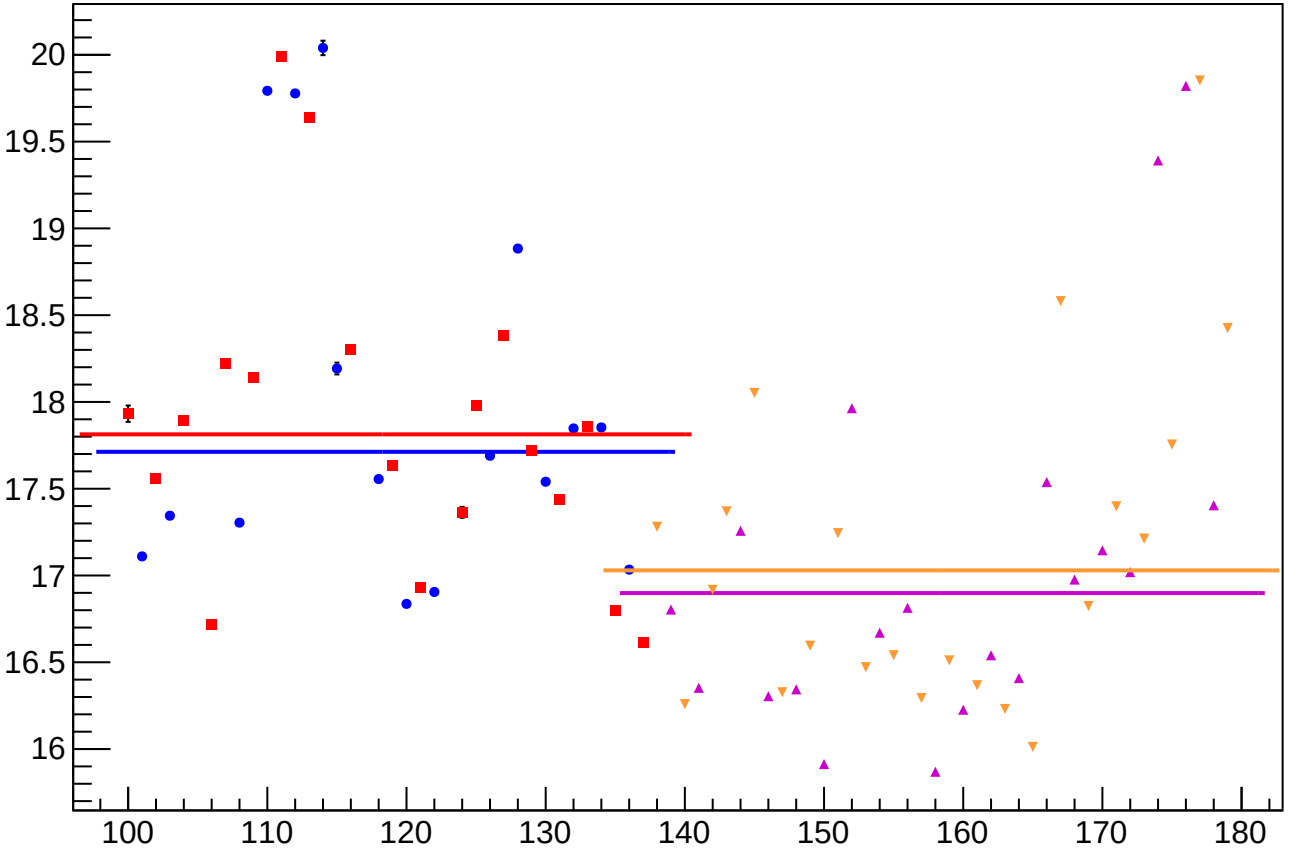
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 4.252+/-3.538 χ^2/NDF:34.6/35

Out: 5.613+/-3.459 χ^2/NDF:26.7/40

All: 4.948+/-2.473 χ^2/NDF: 61.4/76

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.029+/-0.003 χ^2/NDF:91480.9/21

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

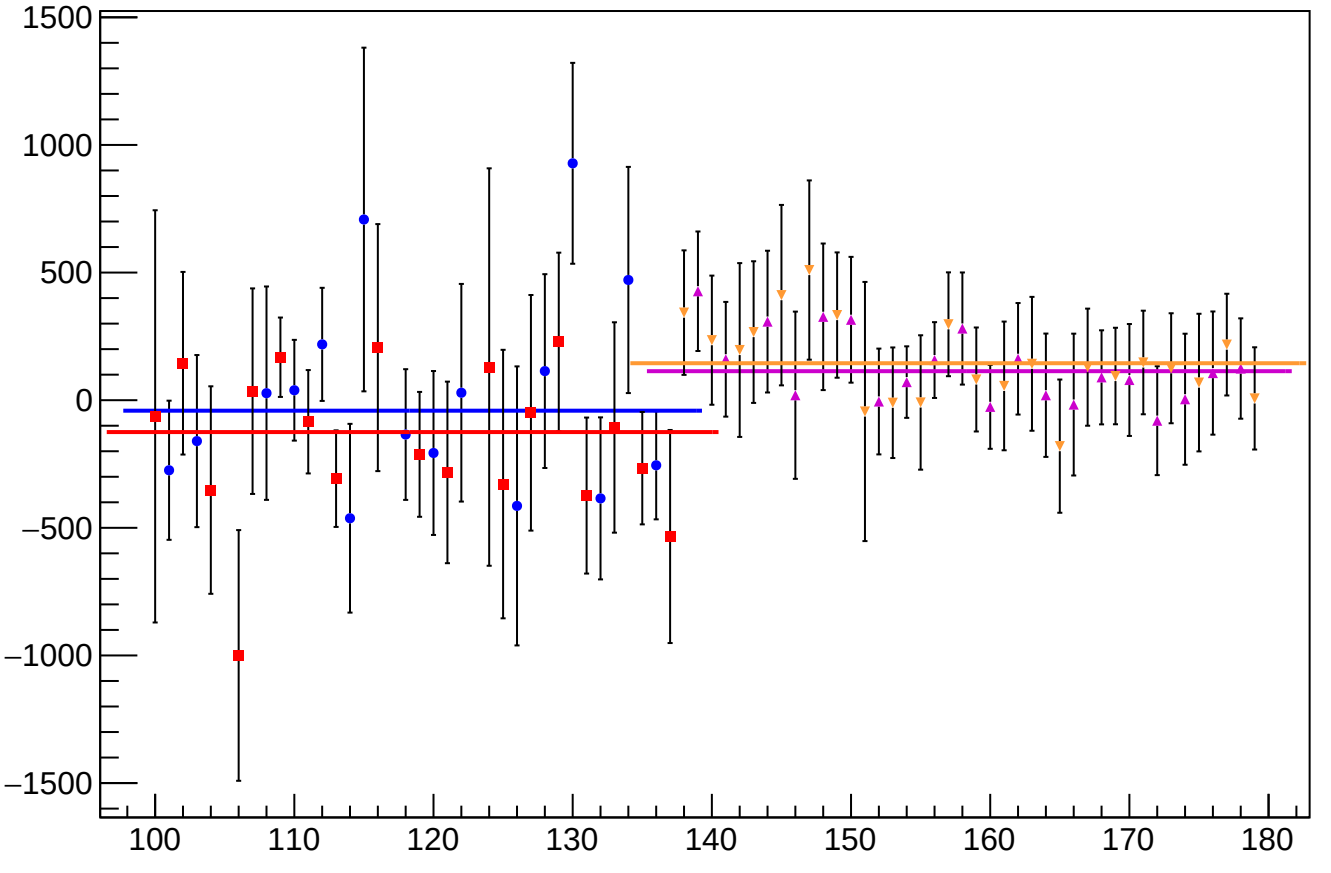
Left: 16.966+/-0.002 χ^2/NDF: 184704.7/41

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.133+/-0.003 χ^2/NDF:149918.3/35

Out: 17.251+/-0.002 χ^2/NDF:145007.5/40

All: 17.193+/-0.002 χ^2/NDF: 296057.6/76



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 144.848+/-51.551 χ^2/NDF:7.3/21

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 113.669+/-47.258 χ^2/NDF:6.9/19

Left: 127.906+/-34.836 χ^2/NDF: 14.5/41

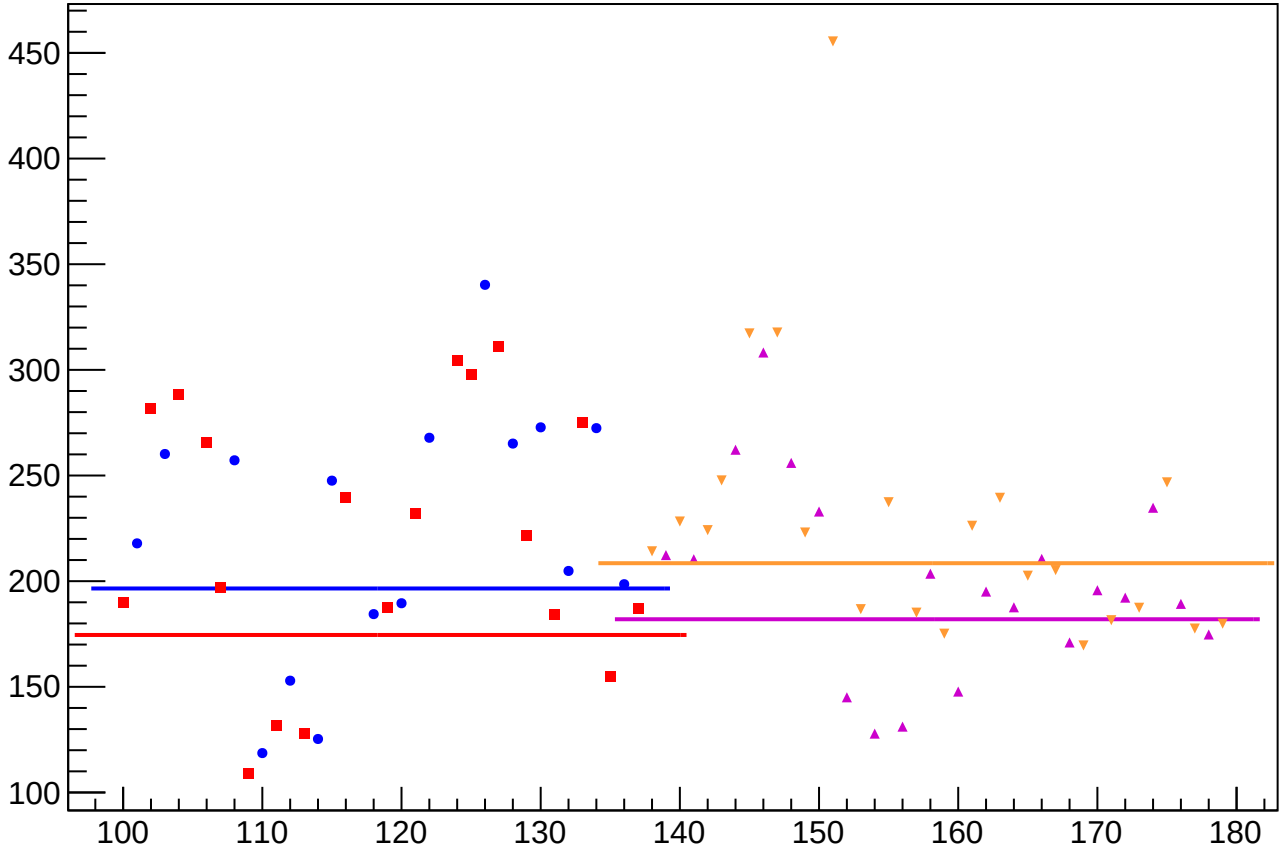
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 71.429+/-40.297 χ^2/NDF:25.5/35

Out: 48.421+/-41.321 χ^2/NDF:30.0/40

All: 60.214+/-28.850 χ^2/NDF: 55.6/76

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 208.505+/-0.036 χ^2/NDF:1352212.1/21

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 181.980+/-0.033 χ^2/NDF:1588259.1/19

Left: 194.092+/-0.025 χ^2/NDF: 3228179.0/41

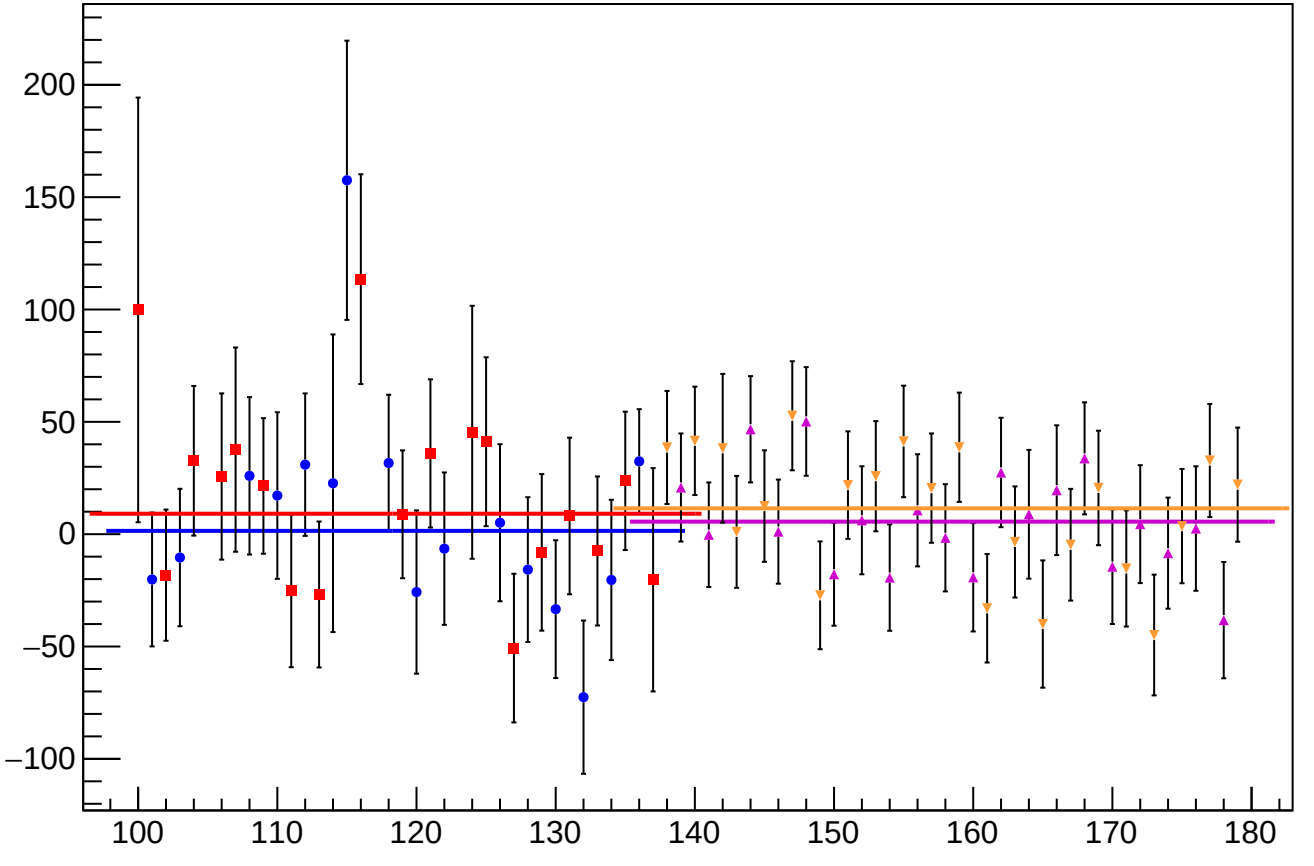
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 185.954+/-0.028 χ^2/NDF:2640851.8/35

Out: 196.362+/-0.029 χ^2/NDF:3251324.1/40

All: 191.028+/-0.020 χ^2/NDF: 5957213.3/76

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.505+/-5.376 χ^2/NDF:26.5/21

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 5.583+/-5.541 χ^2/NDF:16.4/19

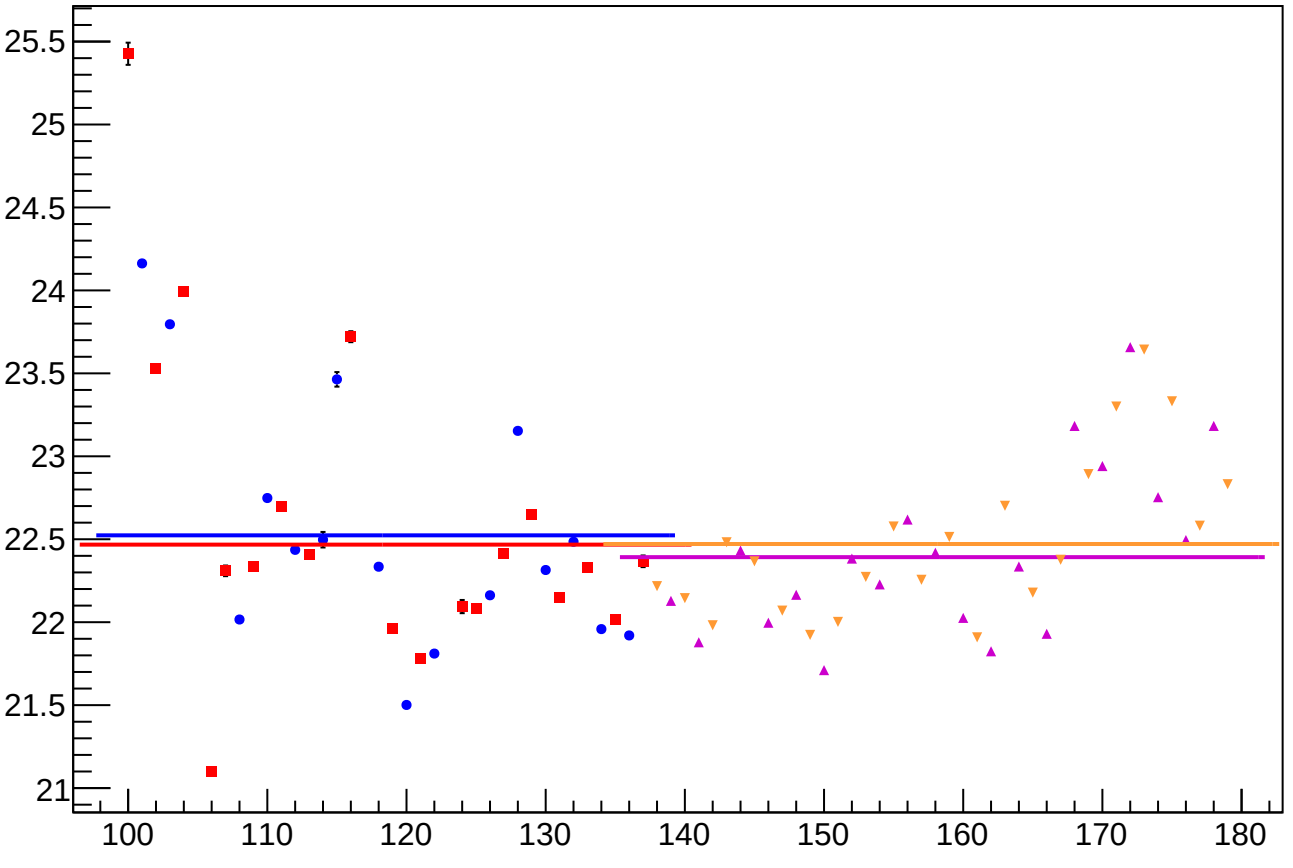
Left: 8.634+/-3.858 χ^2/NDF: 43.5/41

Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.332+/-4.620 χ^2/NDF:35.3/35

Out: 10.786+/-4.495 χ^2/NDF:43.0/40

All: 7.647+/-3.222 χ^2/NDF: 79.2/76



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.471+/-0.004 χ^2/NDF:14370.0/21

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.392+/-0.004 χ^2/NDF:15991.4/19

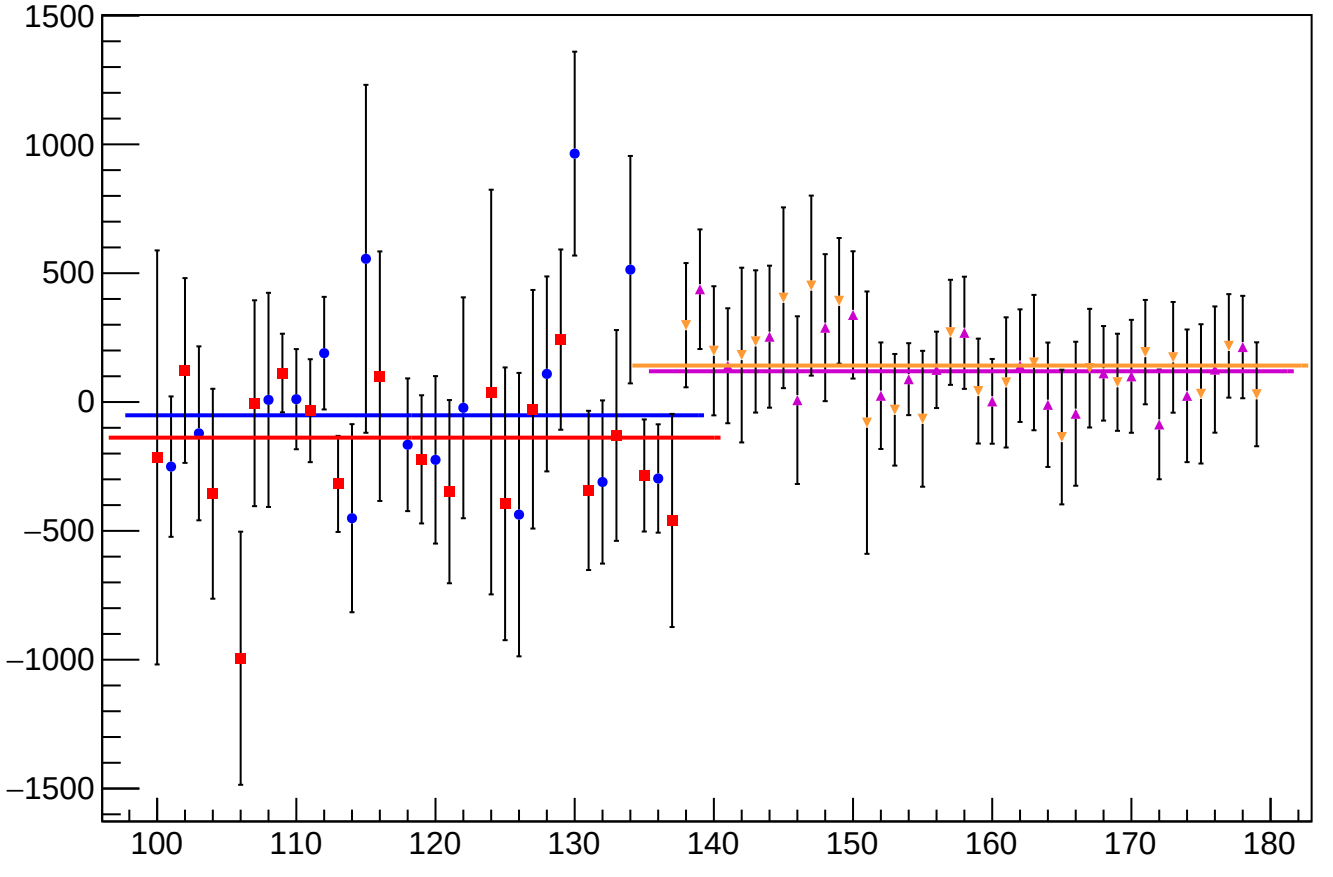
Left: 22.433+/-0.003 χ^2/NDF: 30571.8/41

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.432+/-0.003 χ^2/NDF:32282.1/35

Out: 22.470+/-0.003 χ^2/NDF:29996.8/40

All: 22.452+/-0.002 χ^2/NDF: 62348.4/76



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 141.537+/-51.514 χ^2/NDF:7.1/21

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 119.348+/-47.203 χ^2/NDF:6.6/19

Left: 129.475+/-34.802 χ^2/NDF: 13.8/41

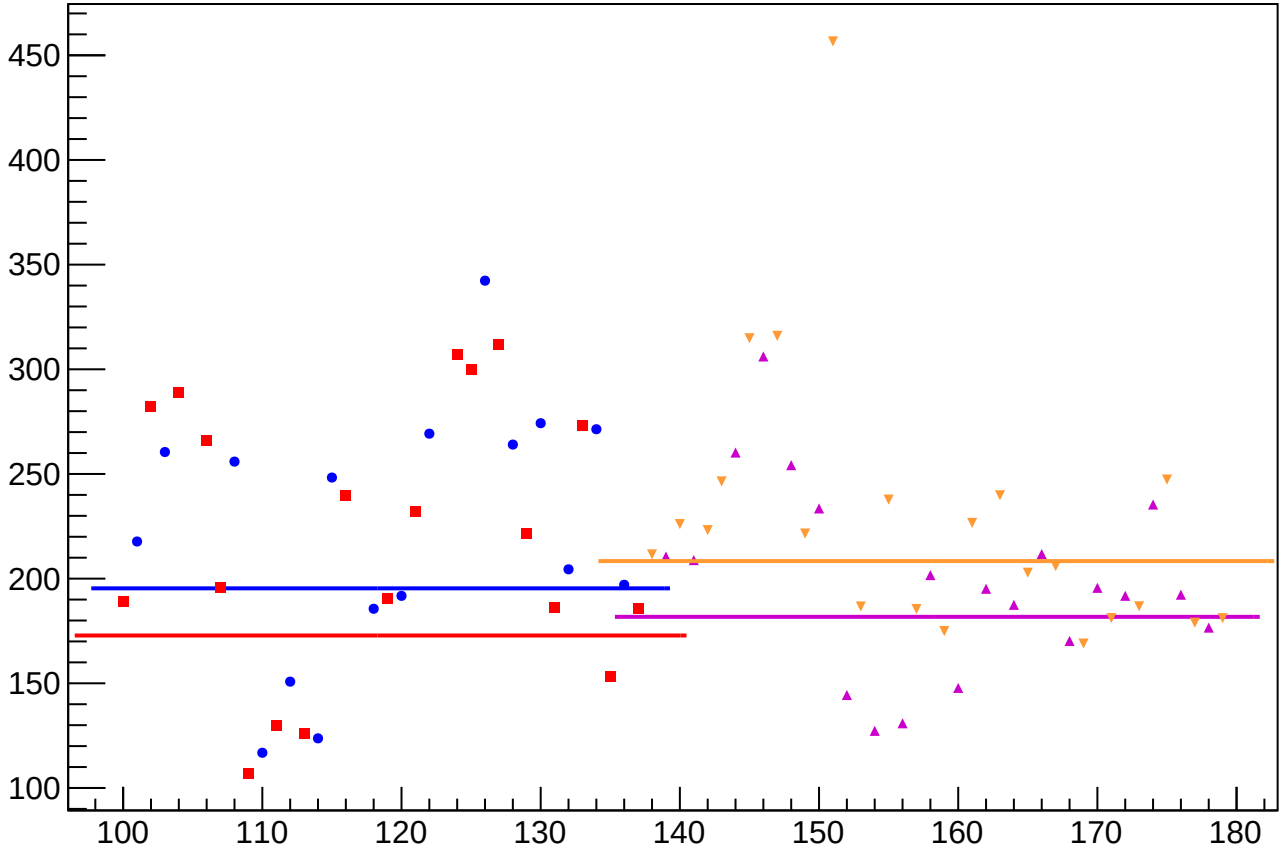
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 72.505+/-40.214 χ^2/NDF:25.5/35

Out: 40.722+/-41.198 χ^2/NDF:29.3/40

All: 56.998+/-28.777 χ^2/NDF: 55.1/76

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 208.381+/-0.036 χ^2/NDF:1336536.7/21

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 181.753+/-0.033 χ^2/NDF:1582483.6/19

Left: 193.906+/-0.025 χ^2/NDF: 3209514.2/41

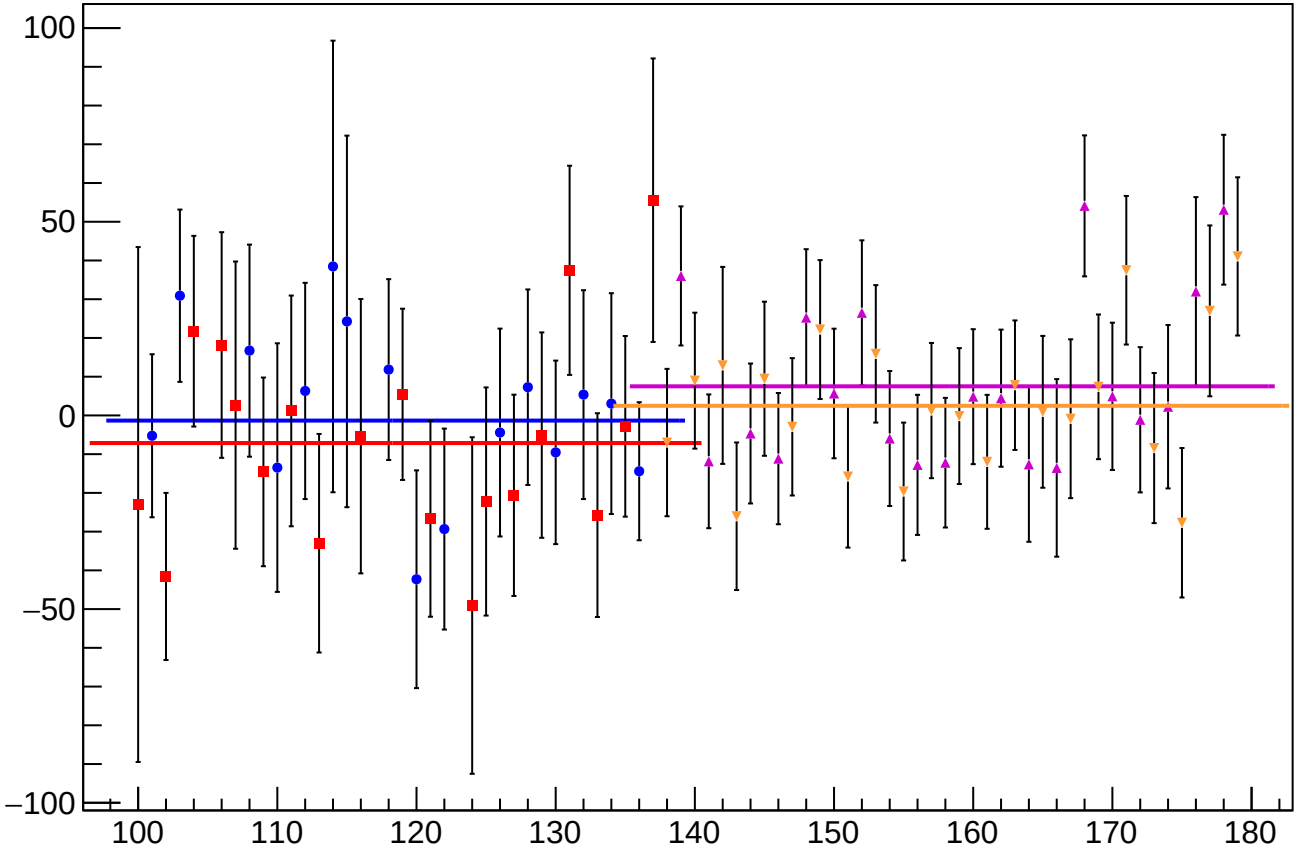
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.484+/-0.028 χ^2/NDF:2669494.5/35

Out: 195.571+/-0.029 χ^2/NDF:3339133.0/40

All: 190.405+/-0.020 χ^2/NDF: 6070018.8/76

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.486+/-4.008 χ^2/NDF:19.2/21

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 7.516+/-4.128 χ^2/NDF:26.1/19

Left: 4.926+/-2.875 χ^2/NDF: 46.0/41

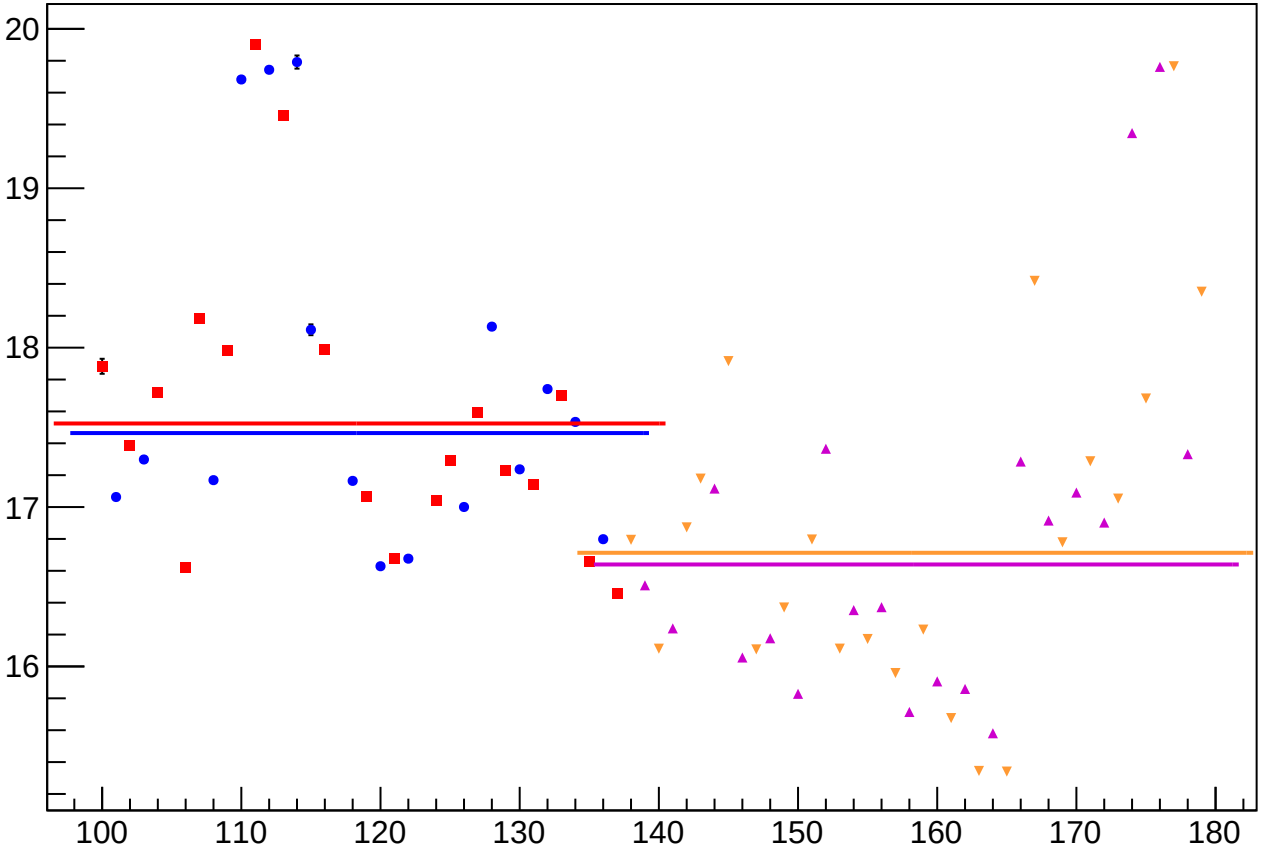
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 4.972+/-3.484 χ^2/NDF:35.4/35

Out: -0.220+/-3.397 χ^2/NDF:35.2/40

All: 2.310+/-2.432 χ^2/NDF: 71.7/76

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.713+/-0.003 χ^2/NDF:126348.8/21

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.640+/-0.003 χ^2/NDF:106070.4/19

Left: 16.678+/-0.002 χ^2/NDF: 232744.2/41

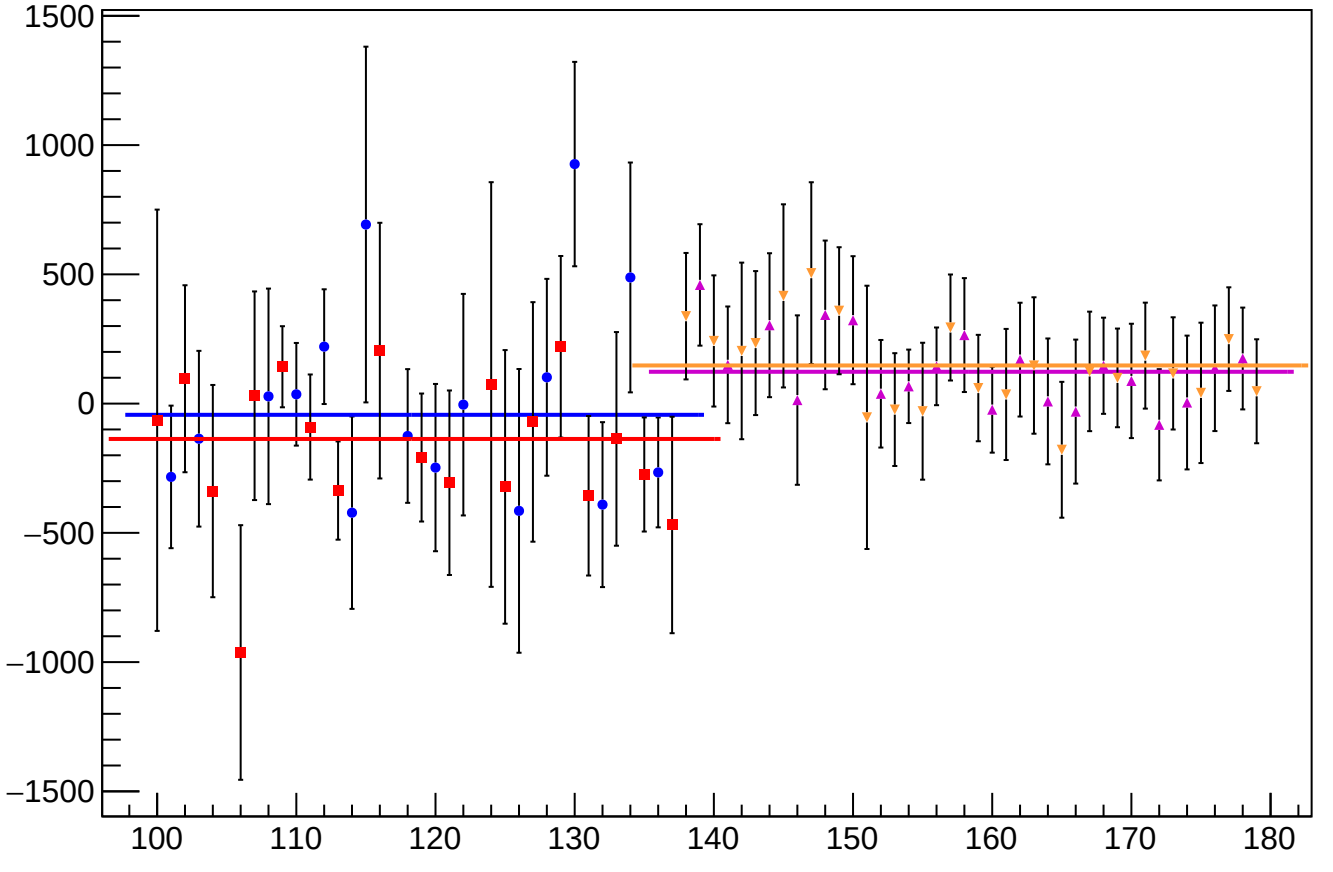
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.877+/-0.002 χ^2/NDF:165654.2/35

Out: 16.941+/-0.002 χ^2/NDF:184146.5/40

All: 16.910+/-0.002 χ^2/NDF: 350154.6/76

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 147.560+/-51.874 χ^2/NDF:7.7/21

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 123.077+/-47.618 χ^2/NDF:7.2/19

Left: 134.273+/-35.079 χ^2/NDF: 14.9/41

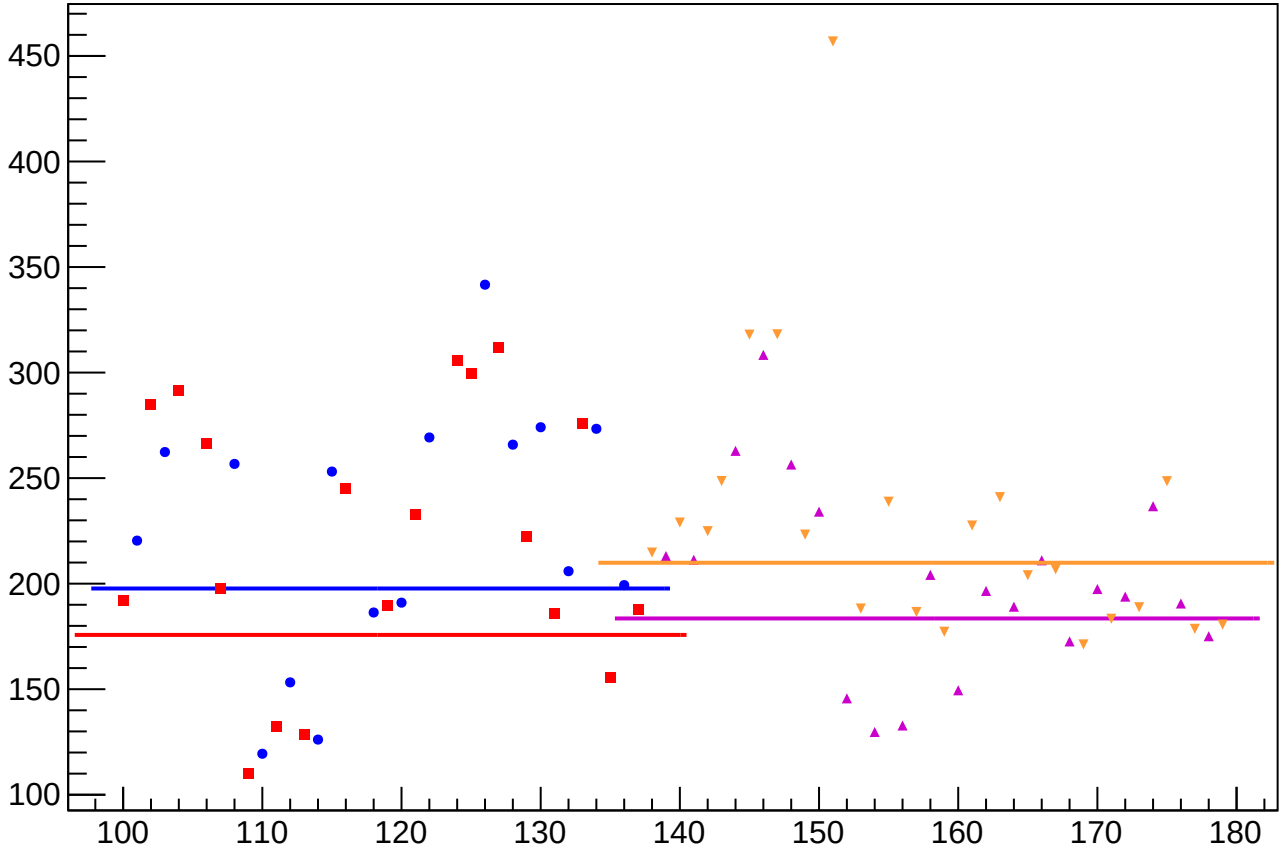
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 77.528+/-40.584 χ^2/NDF:26.0/35

Out: 45.936+/-41.583 χ^2/NDF:29.9/40

All: 62.116+/-29.044 χ^2/NDF: 56.2/76

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 209.906+/-0.037 χ^2/NDF:1331292.4/21

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

Left: 195.584+/-0.025 χ^2/NDF: 3157728.1/41

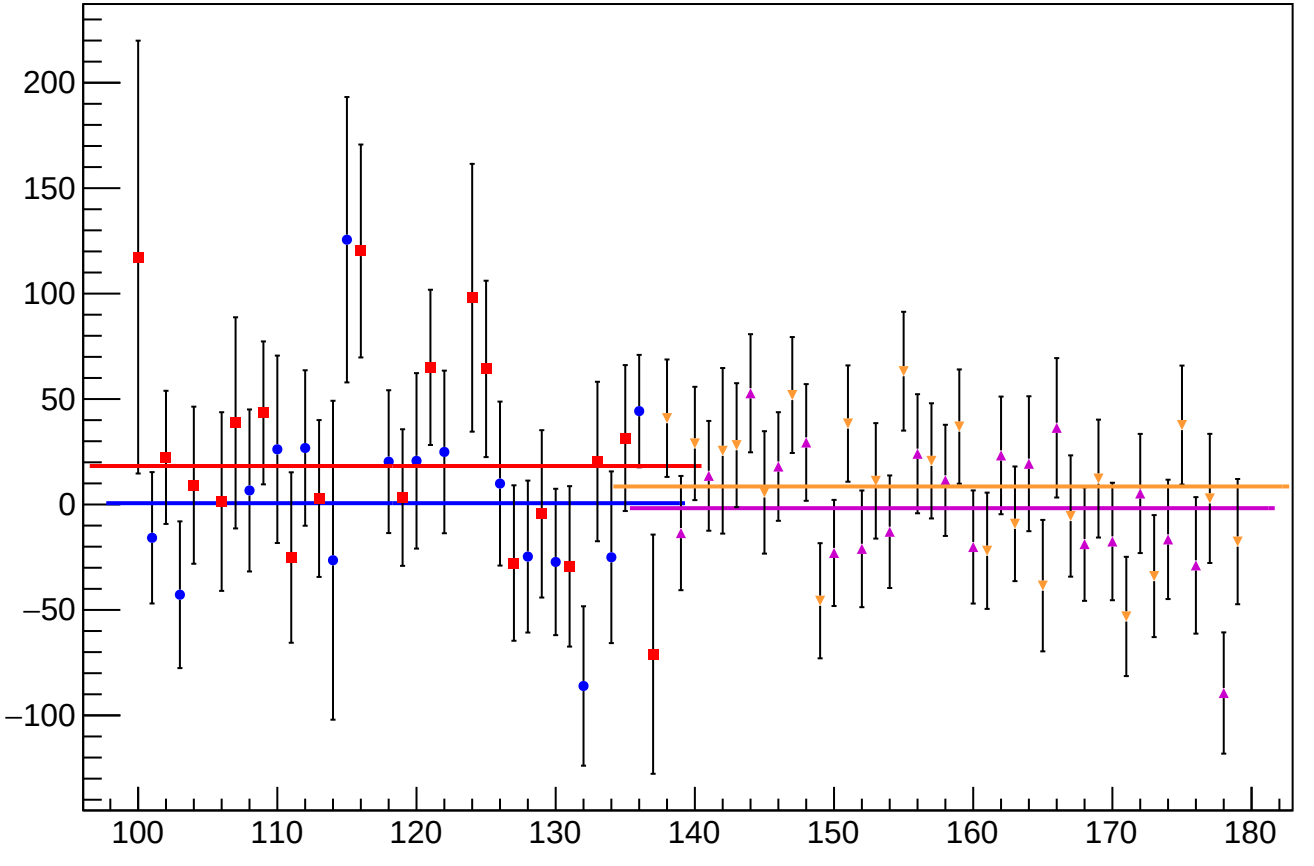
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.399+/-0.029 χ^2/NDF:2594452.9/35

Out: 197.686+/-0.029 χ^2/NDF:3232378.3/40

All: 192.417+/-0.021 χ^2/NDF: 5889521.4/76

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 8.545+/-6.082 χ^2/NDF:28.2/21

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: -1.747+/-6.224 χ^2/NDF:22.7/19

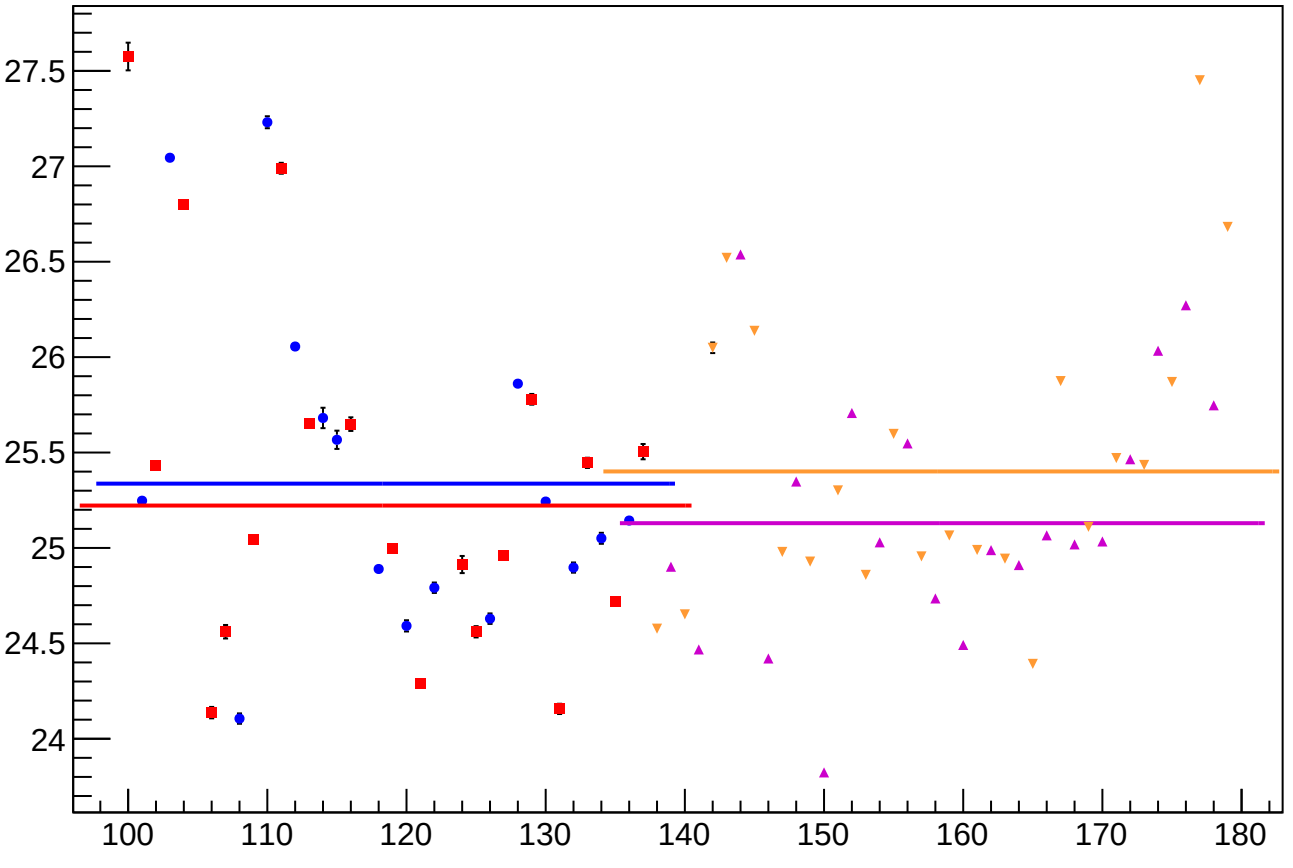
Left: 3.518+/-4.350 χ^2/NDF: 52.3/41

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: -1.028+/-5.193 χ^2/NDF:39.5/35

Out: 11.492+/-5.075 χ^2/NDF:47.0/40

All: 5.376+/-3.630 χ^2/NDF: 89.4/76



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.401+/-0.004 χ^2/NDF:27980.3/21

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.130+/-0.004 χ^2/NDF:22381.3/19

Left: 25.268+/-0.003 χ^2/NDF: 52303.1/41

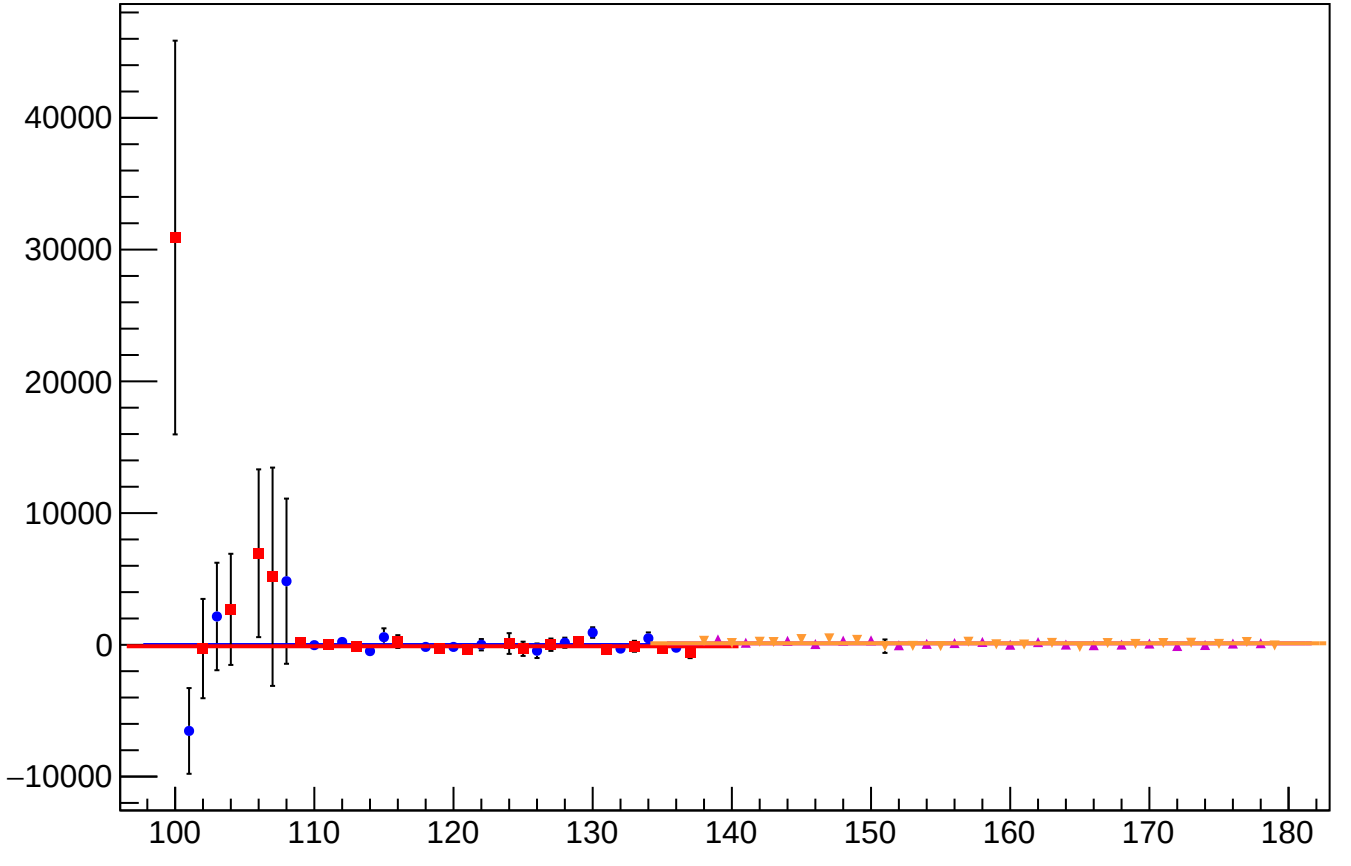
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.193+/-0.004 χ^2/NDF:37370.0/35

Out: 25.347+/-0.004 χ^2/NDF:43729.5/40

All: 25.271+/-0.003 χ^2/NDF: 81997.6/76

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 116.973+/-51.906 χ^2/NDF:8.2/21

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 111.064+/-48.266 χ^2/NDF:6.5/19

Left: 113.804+/-35.346 χ^2/NDF: 14.7/41

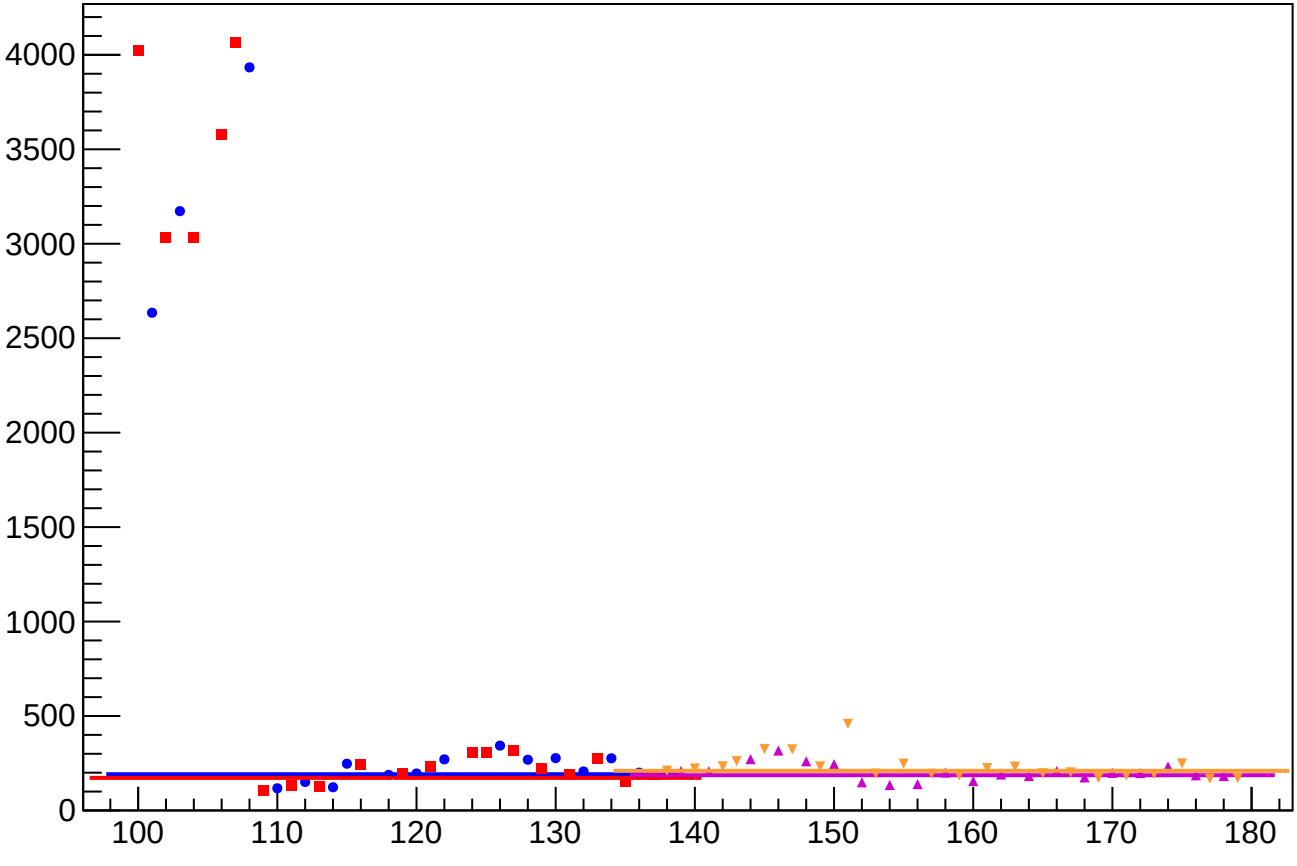
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 80.053+/-41.935 χ^2/NDF:26.5/35

Out: 47.793+/-43.229 χ^2/NDF:28.0/40

All: 64.413+/-30.100 χ^2/NDF: 54.9/76

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 209.825+/-0.037 χ^2/NDF:1421506.0/21

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.495+/-0.034 χ^2/NDF:1406241.6/19

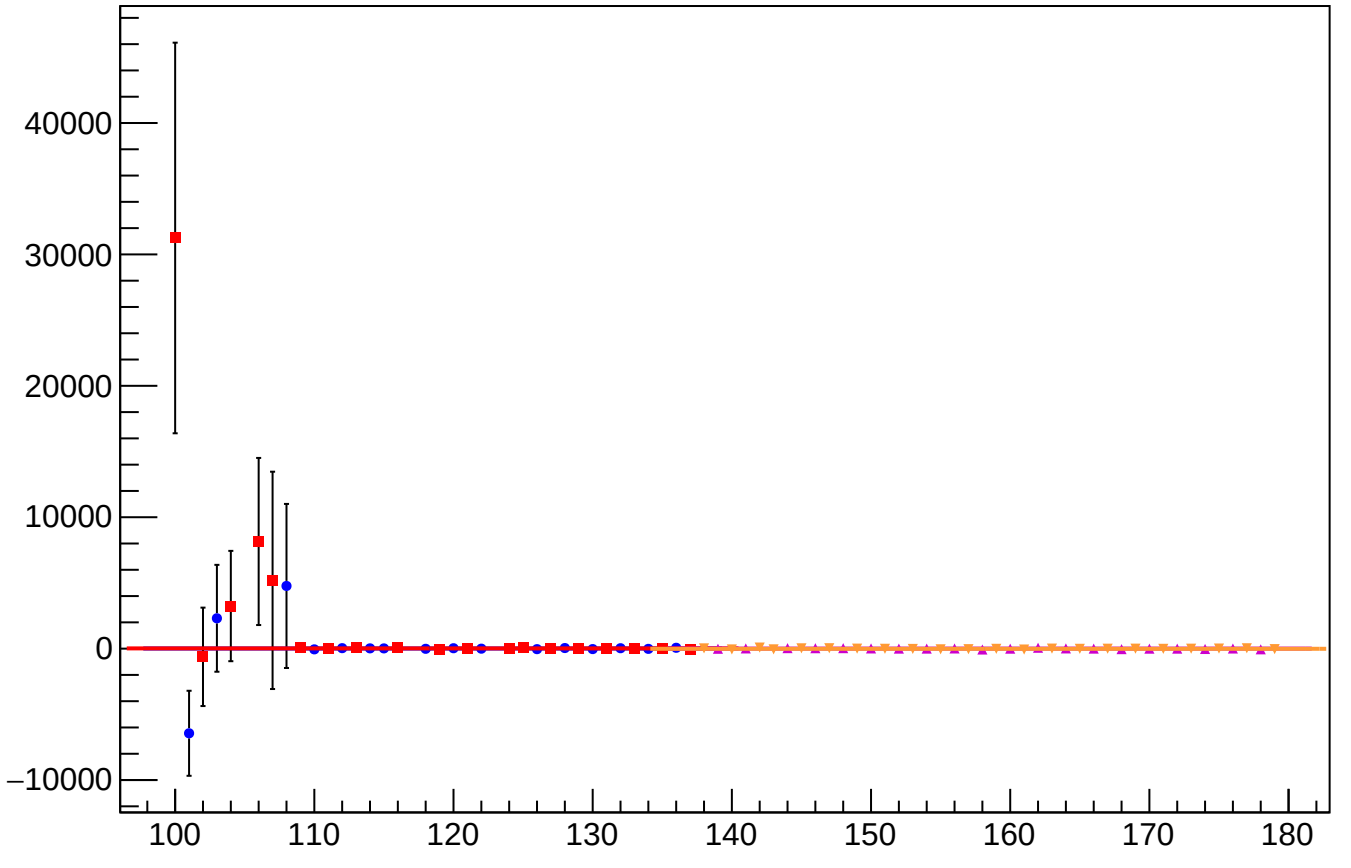
Left: 197.313+/-0.025 χ^2/NDF: 3044430.8/41

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 187.779+/-0.030 χ^2/NDF:5233826.2/35

Out: 198.378+/-0.031 χ^2/NDF:6042125.5/40

All: 192.917+/-0.021 χ^2/NDF: 11337882.4/76



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.226+/-6.868 χ^2/NDF:20.5/21

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 2.797+/-7.114 χ^2/NDF:20.3/19

Left: -4.978+/-4.941 χ^2/NDF: 43.1/41

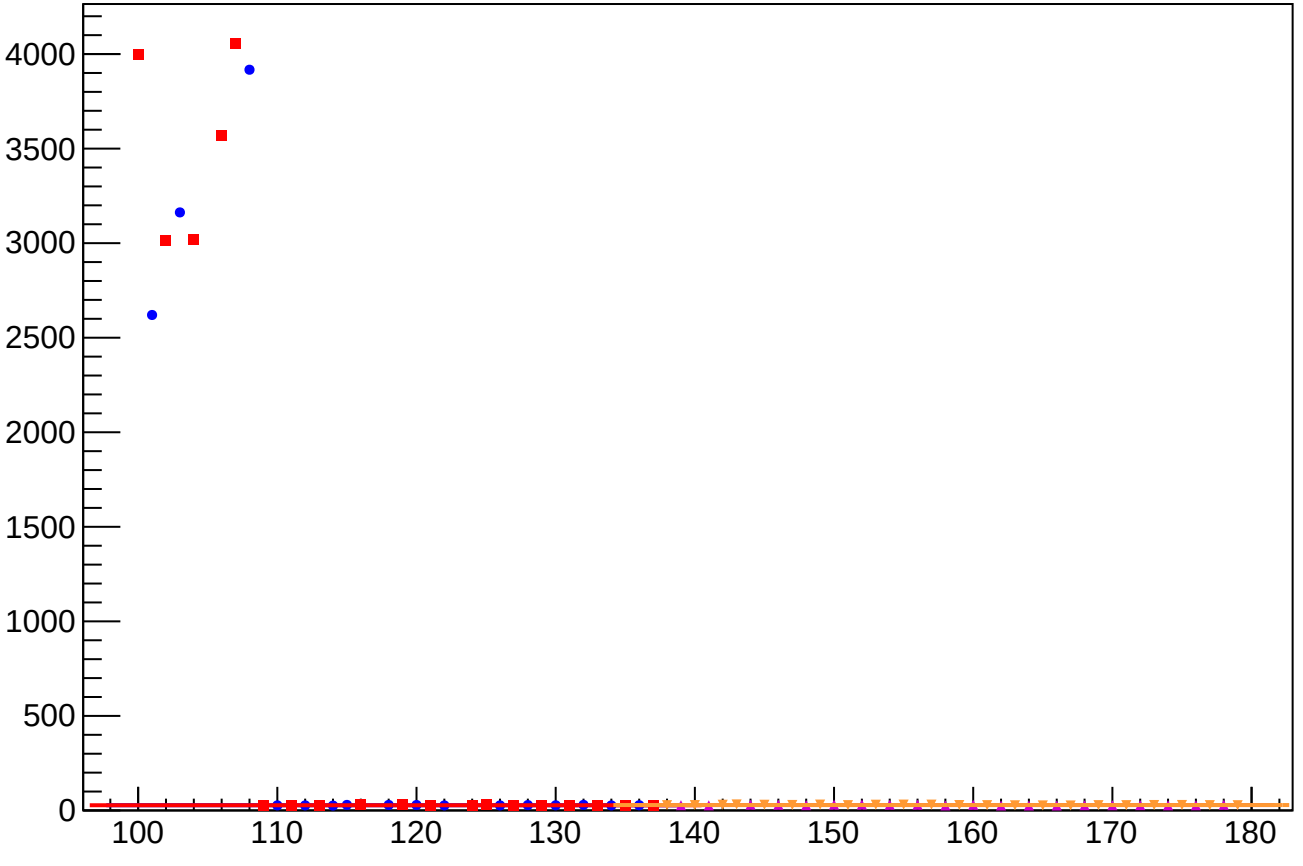
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 4.631+/-6.076 χ^2/NDF:36.5/35

Out: -4.556+/-5.936 χ^2/NDF:50.2/40

All: -0.070+/-4.246 χ^2/NDF: 87.9/76

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.637+/-0.005 χ^2/NDF:85906.6/21

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.649+/-0.005 χ^2/NDF:119964.6/19

Left: 28.643+/-0.003 χ^2/NDF: 205874.4/41

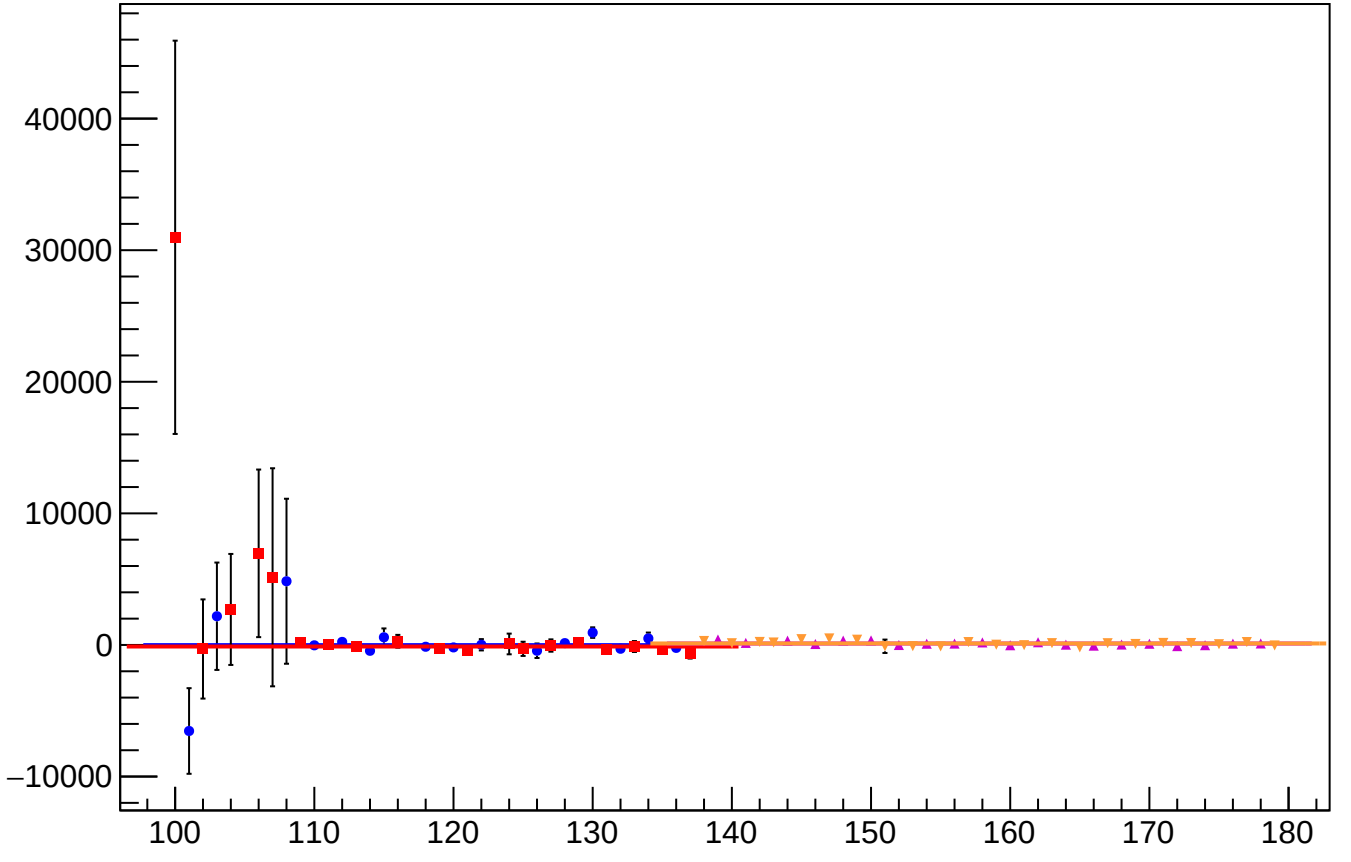
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.377+/-0.004 χ^2/NDF:3396313.0/35

Out: 28.358+/-0.004 χ^2/NDF:3654161.8/40

All: 28.367+/-0.003 χ^2/NDF: 7050484.4/76

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 113.398+/-51.787 χ^2/NDF:8.9/21

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 108.033+/-48.170 χ^2/NDF:6.7/19

Left: 110.522+/-35.271 χ^2/NDF: 15.6/41

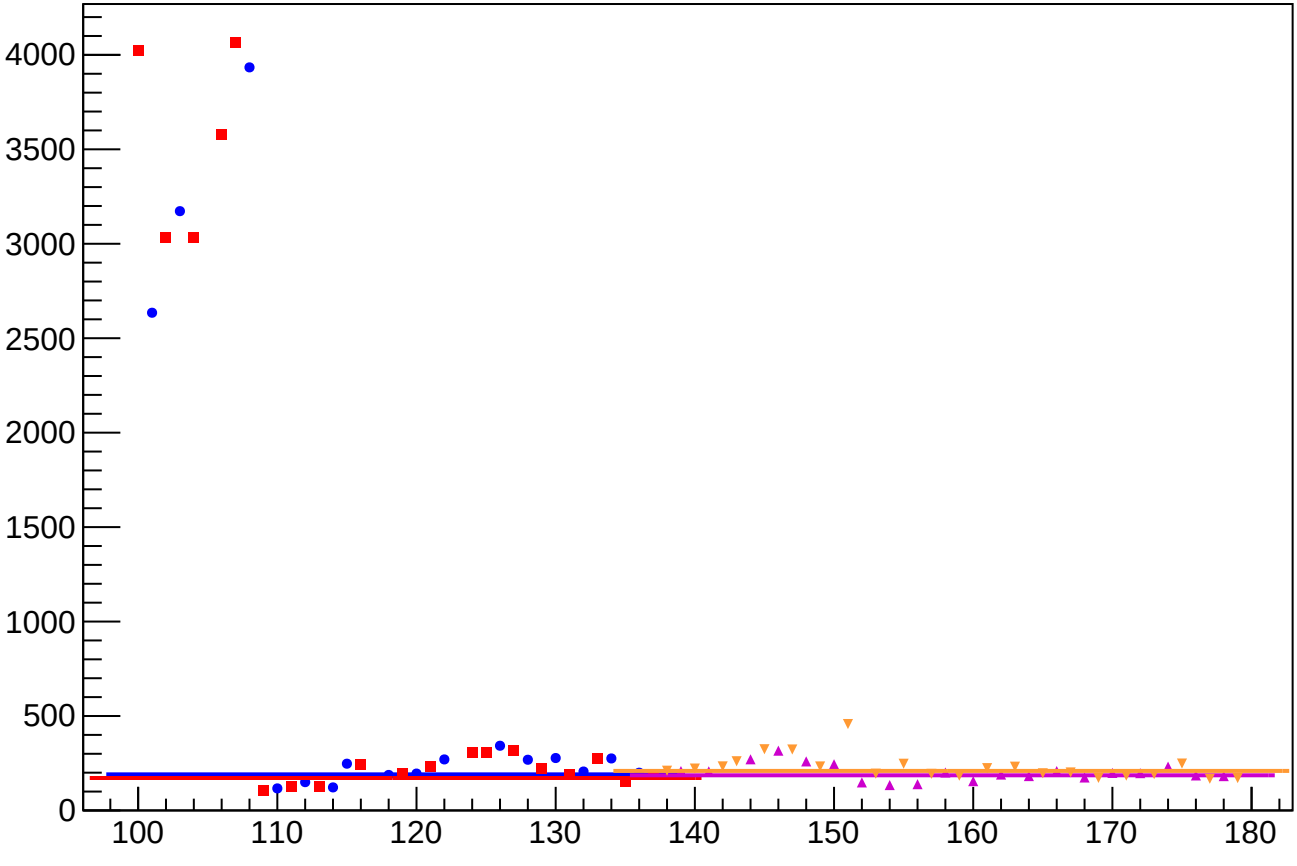
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 78.285+/-41.842 χ^2/NDF:26.6/35

Out: 42.410+/-43.120 χ^2/NDF:29.5/40

All: 60.887+/-30.029 χ^2/NDF: 56.4/76

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 209.342+/-0.037 χ^2/NDF:1423284.7/21

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.125+/-0.034 χ^2/NDF:1405794.8/19

Left: 196.894+/-0.025 χ^2/NDF: 3044588.6/41

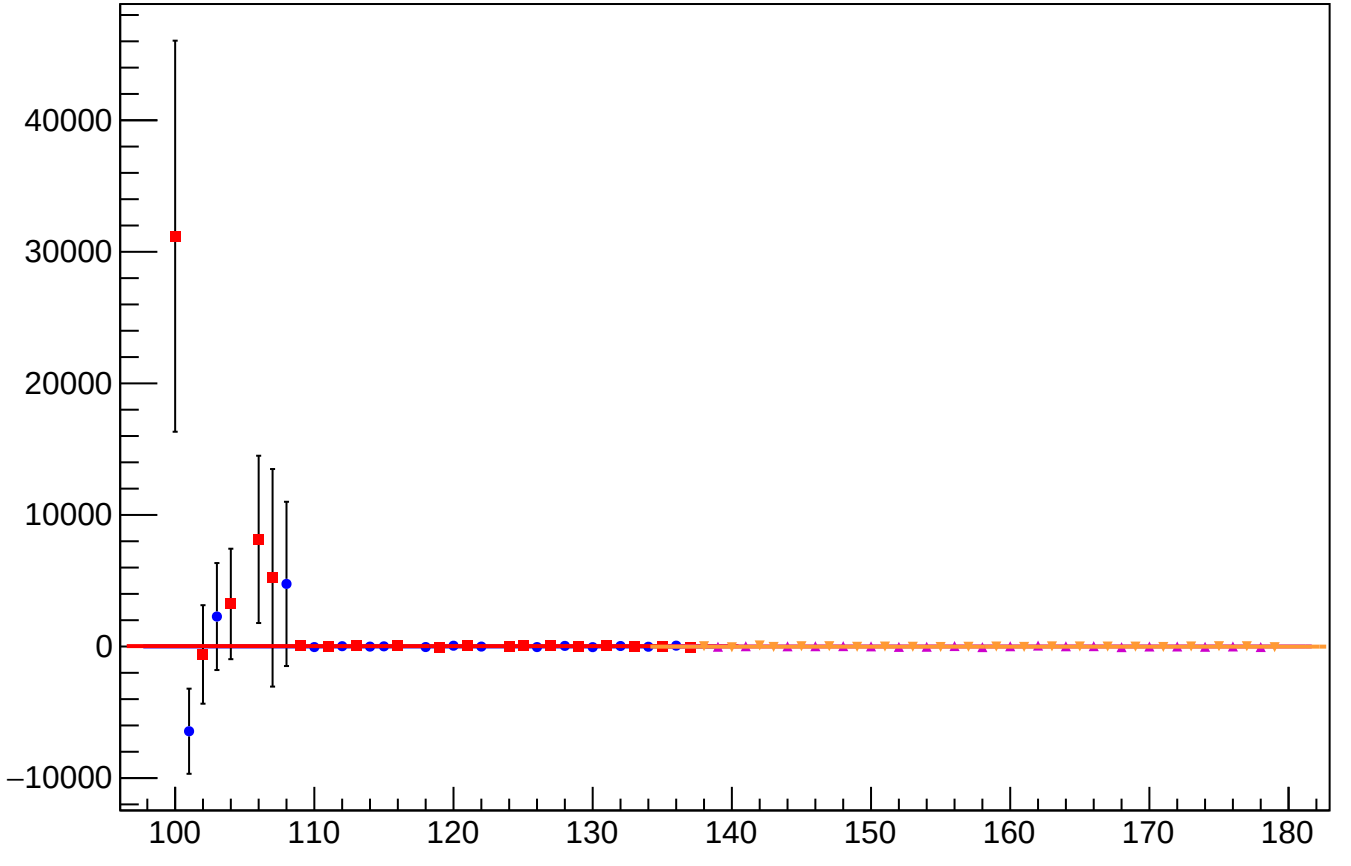
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.339+/-0.030 χ^2/NDF:5244920.1/35

Out: 197.839+/-0.030 χ^2/NDF:6059755.5/40

All: 192.431+/-0.021 χ^2/NDF: 11365749.6/76

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.116+/-6.903 χ^2/NDF:15.8/21

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 4.735+/-7.148 χ^2/NDF:18.3/19

Left: -2.432+/-4.966 χ^2/NDF: 36.1/41

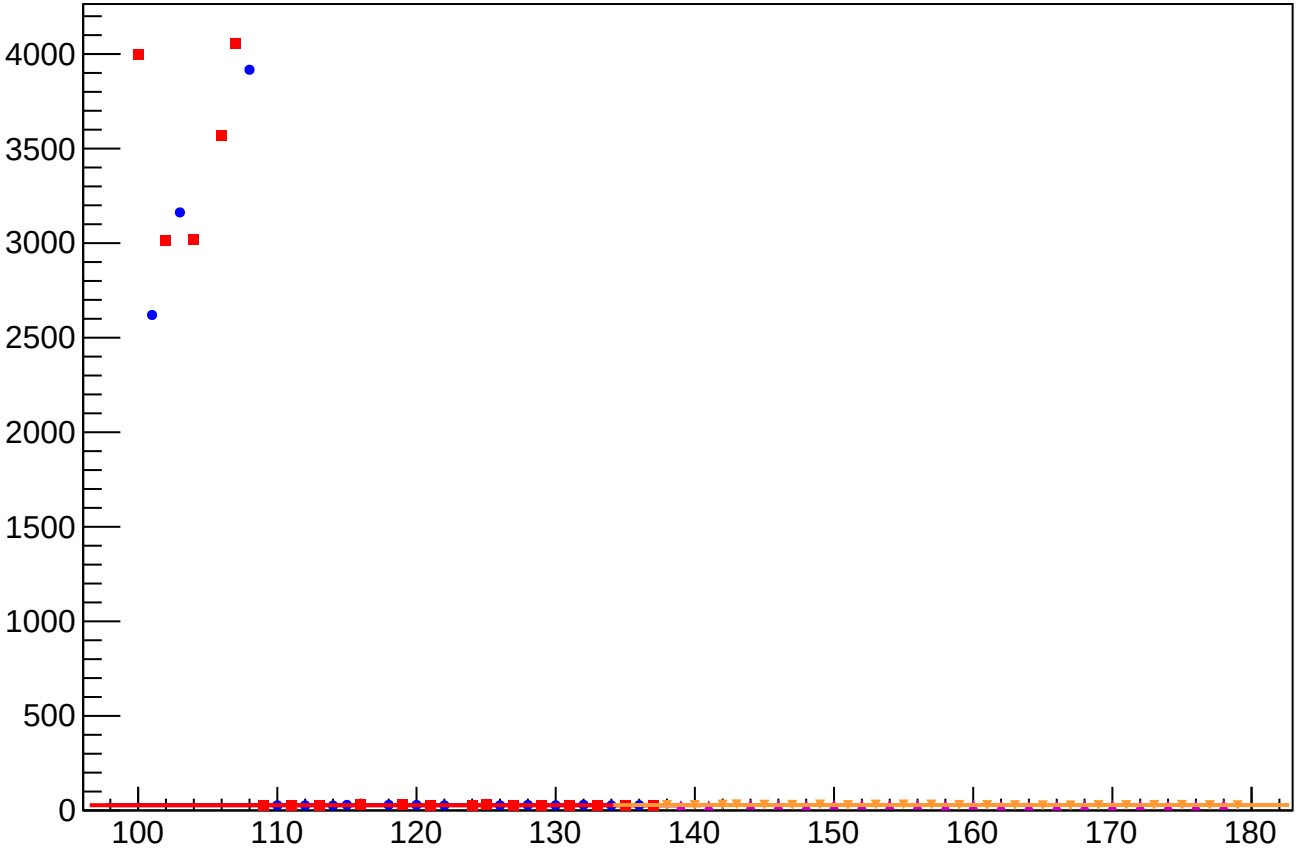
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 5.208+/-6.109 χ^2/NDF:36.6/35

Out: 0.974+/-5.971 χ^2/NDF:44.2/40

All: 3.043+/-4.270 χ^2/NDF: 81.1/76

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.779+/-0.005 χ^2/NDF:95475.8/21

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

Left: 28.783+/-0.004 χ^2/NDF: 219145.8/41

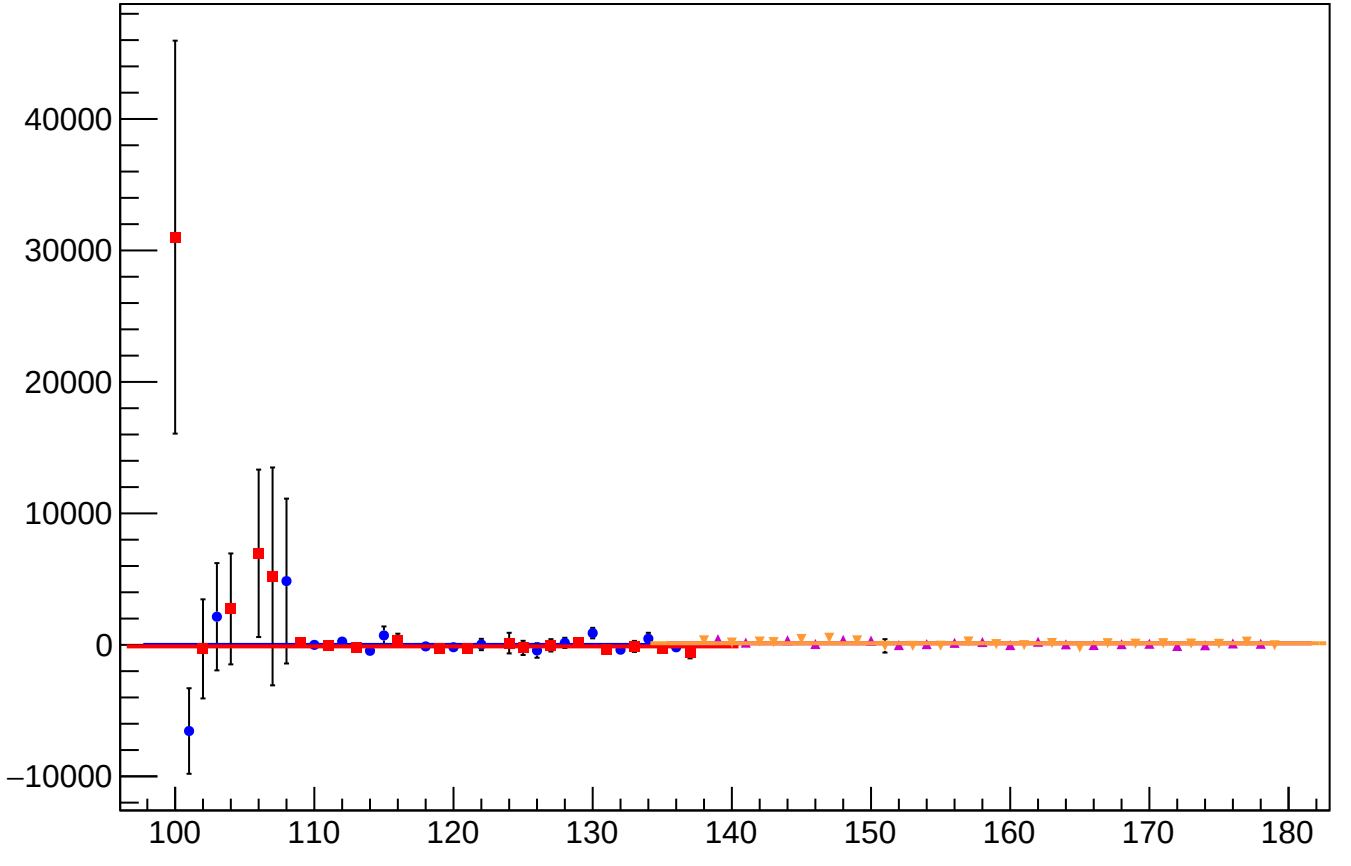
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.528+/-0.004 χ^2/NDF:3399344.7/35

Out: 28.521+/-0.004 χ^2/NDF:3665253.6/40

All: 28.524+/-0.003 χ^2/NDF: 7064599.8/76

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 123.295+/-52.238 χ^2/NDF:8.9/21

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 115.136+/-48.659 χ^2/NDF:7.3/19

Left: 118.926+/-35.605 χ^2/NDF: 16.2/41

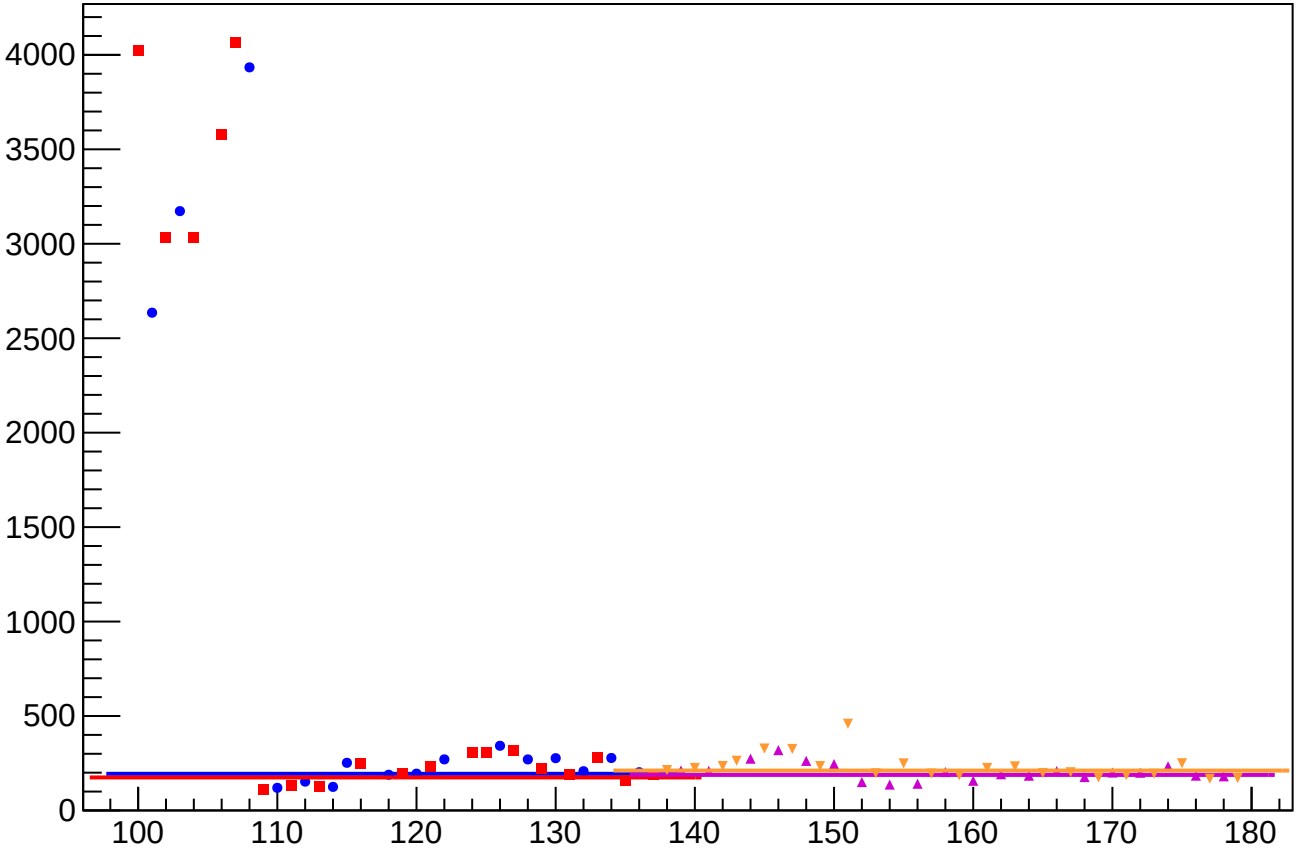
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 86.288+/-42.291 χ^2/NDF:26.9/35

Out: 50.511+/-43.565 χ^2/NDF:29.1/40

All: 68.930+/-30.345 χ^2/NDF: 56.4/76

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 211.201+/-0.037 χ^2/NDF:1426335.1/21

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.159+/-0.034 χ^2/NDF:1376449.8/19

Left: 198.864+/-0.025 χ^2/NDF: 3011138.8/41

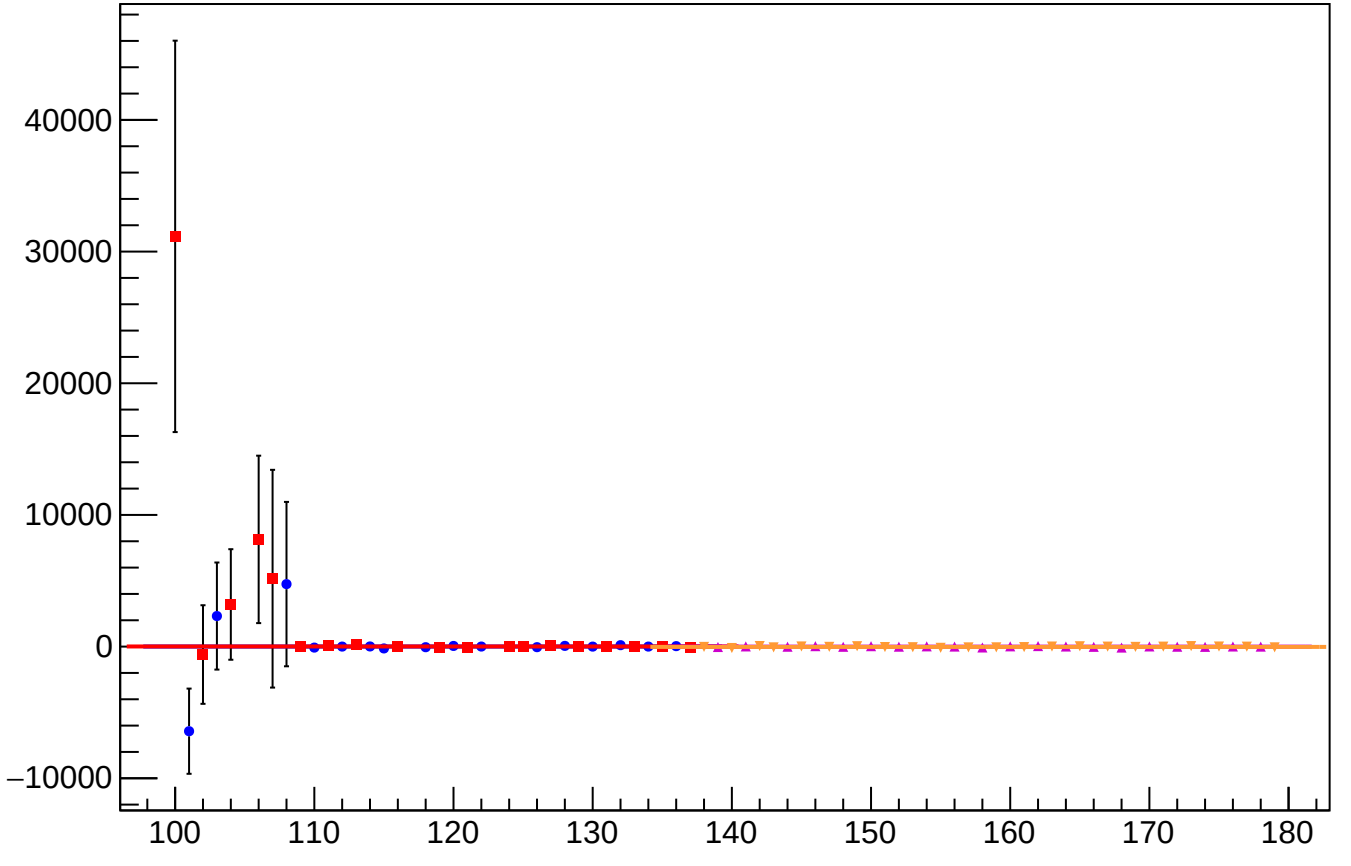
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 189.575+/-0.030 χ^2/NDF:5167837.9/35

Out: 200.112+/-0.031 χ^2/NDF:5981685.3/40

All: 194.687+/-0.021 χ^2/NDF: 11209758.4/76

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -23.813+/-8.247 χ^2/NDF:21.5/21

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.708+/-8.560 χ^2/NDF:12.2/19

Left: -13.653+/-5.939 χ^2/NDF: 36.8/41

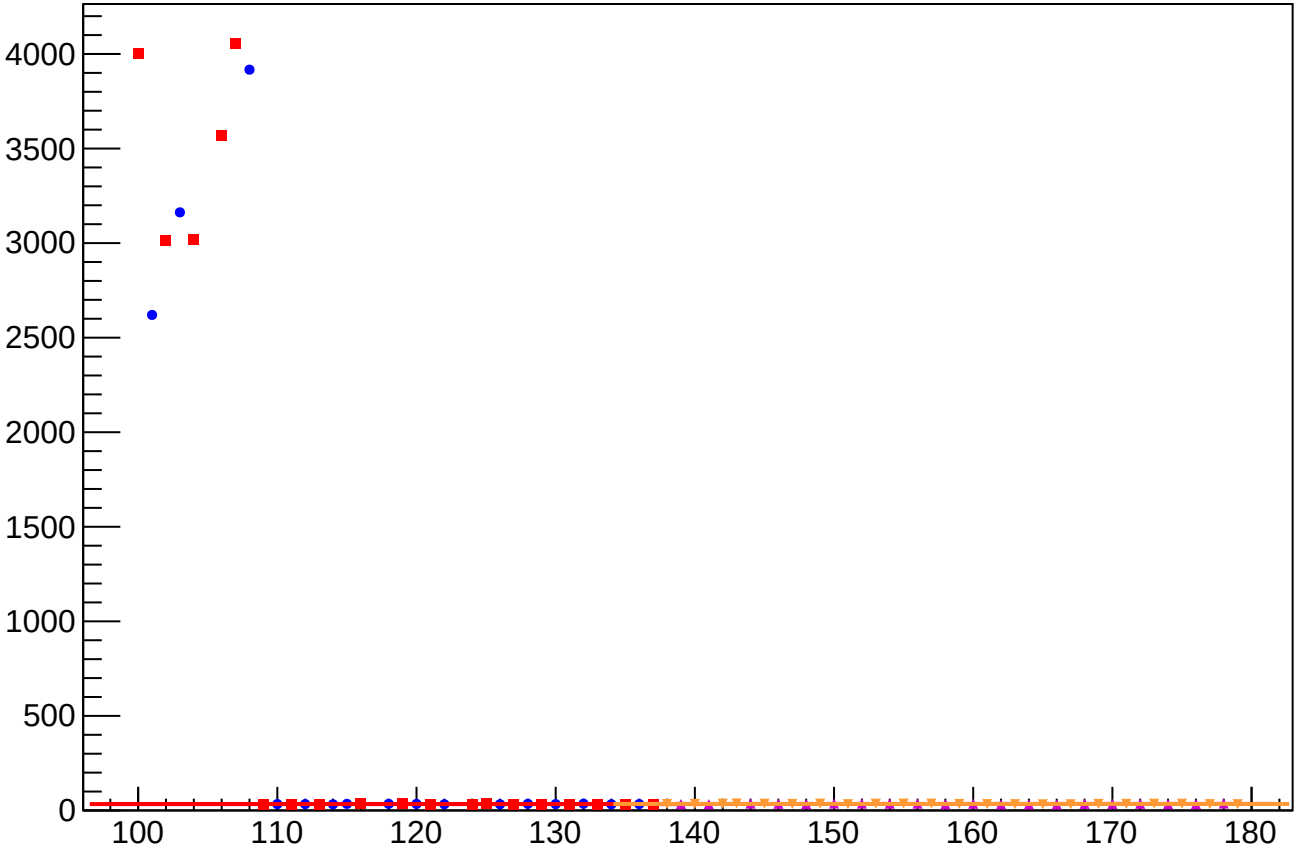
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.502+/-7.345 χ^2/NDF:29.9/35

Out: -15.489+/-7.160 χ^2/NDF:49.1/40

All: -8.186+/-5.127 χ^2/NDF: 81.1/76

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.432+/-0.006 χ^2/NDF:43645.6/21

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.535+/-0.006 χ^2/NDF:57683.9/19

Left: 34.482+/-0.004 χ^2/NDF: 101479.6/41

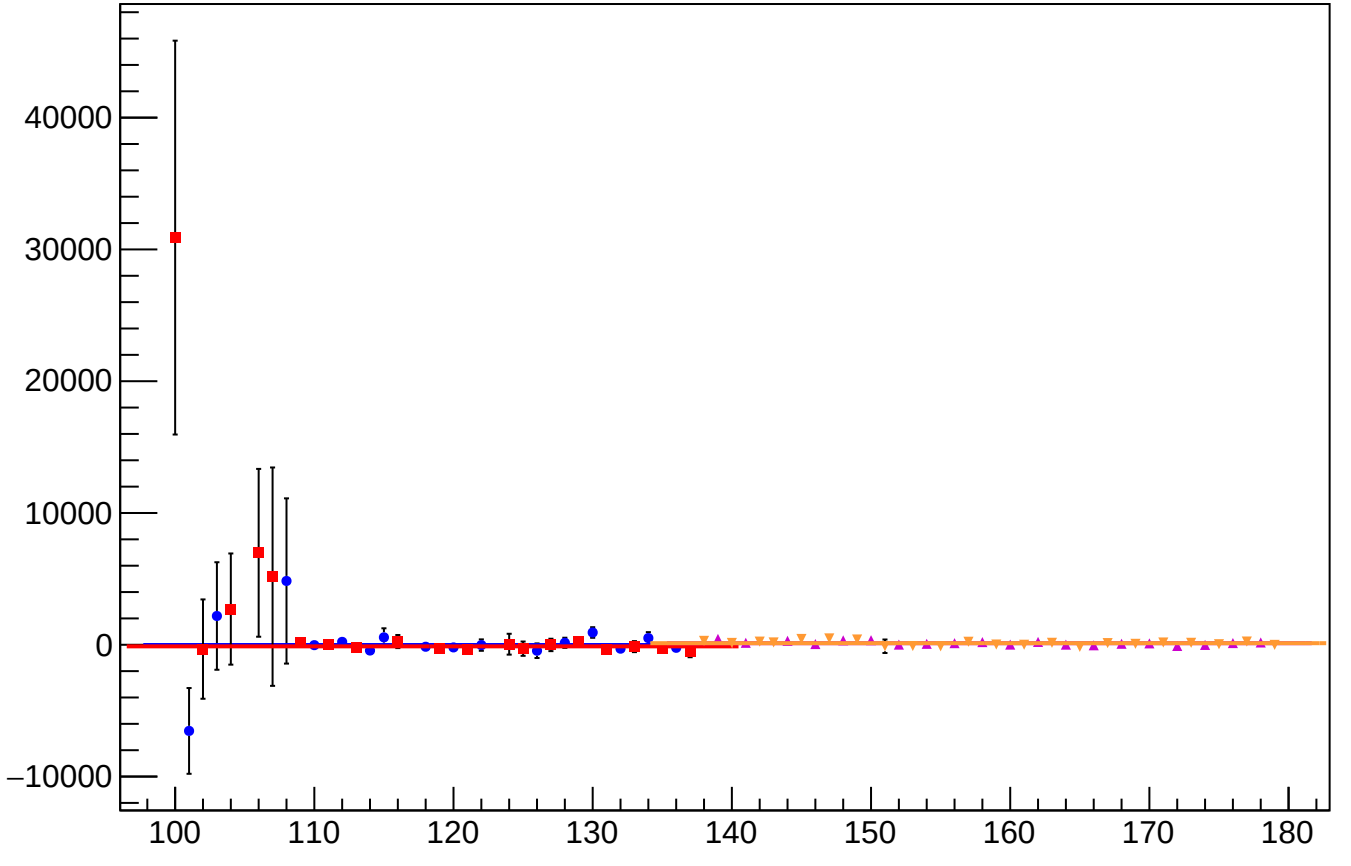
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.368+/-0.005 χ^2/NDF:3304973.5/35

Out: 34.258+/-0.005 χ^2/NDF:3573716.9/40

All: 34.312+/-0.004 χ^2/NDF: 6878917.0/76

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 120.372+/-52.211 χ^2/NDF:8.6/21

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 120.701+/-48.611 χ^2/NDF:6.6/19

Left: 120.548+/-35.578 χ^2/NDF: 15.2/41

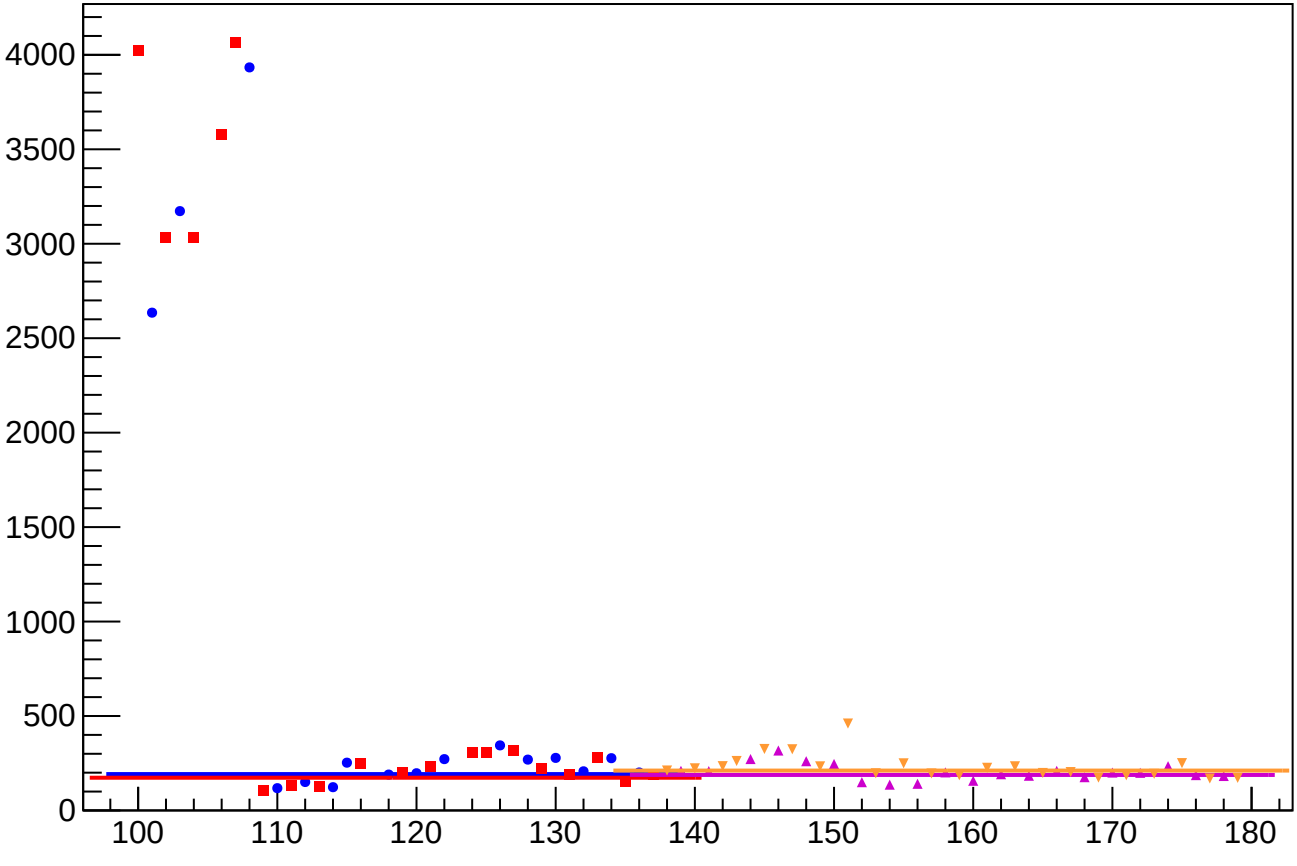
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 86.180+/-42.206 χ^2/NDF:26.9/35

Out: 46.615+/-43.466 χ^2/NDF:28.4/40

All: 66.980+/-30.280 χ^2/NDF: 55.7/76

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 211.143+/-0.037 χ^2/NDF:1404493.2/21

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 187.973+/-0.034 χ^2/NDF:1365707.7/19

Left: 198.732+/-0.025 χ^2/NDF: 2981169.7/41

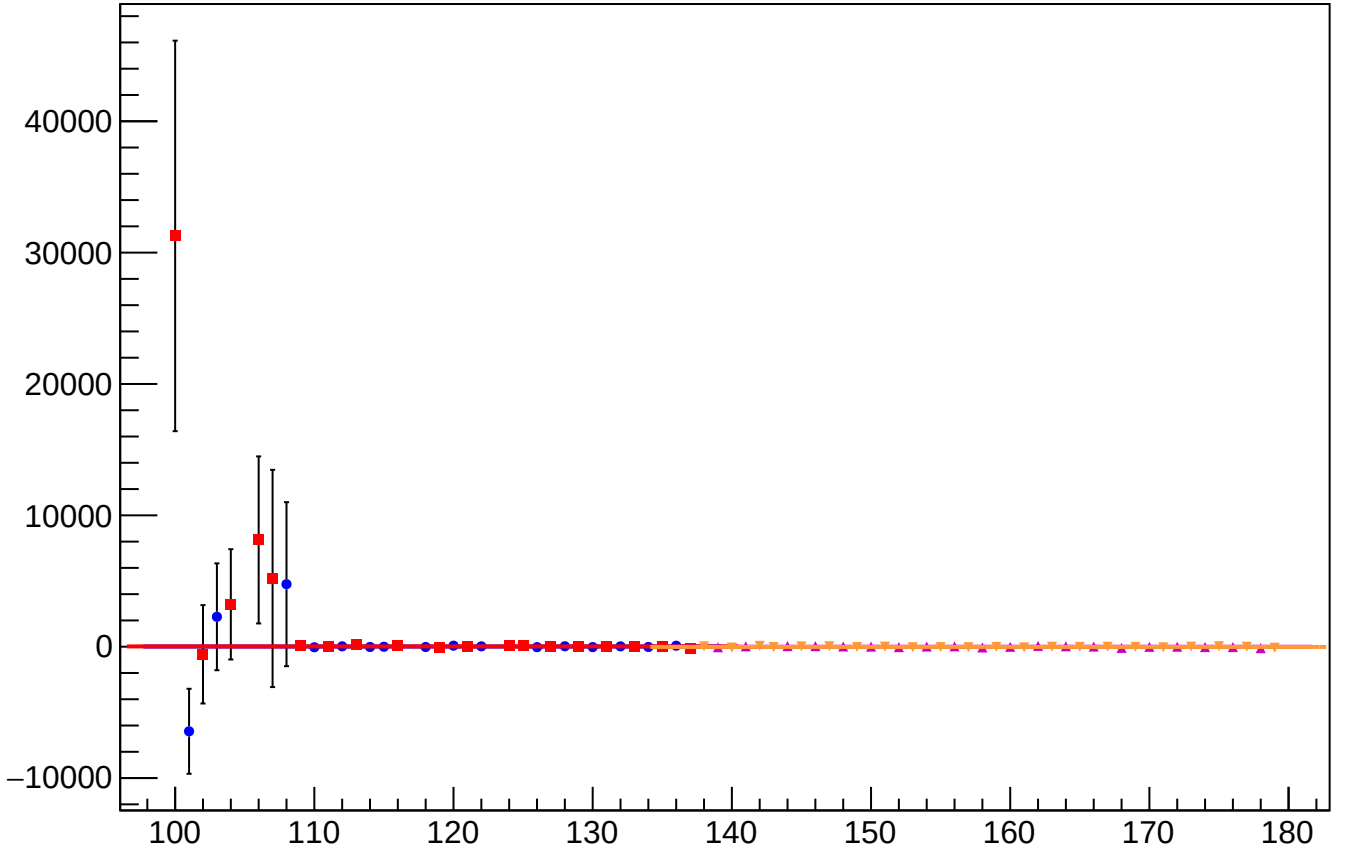
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.103+/-0.030 χ^2/NDF:5192880.0/35

Out: 199.512+/-0.031 χ^2/NDF:6035281.8/40

All: 194.154+/-0.021 χ^2/NDF: 11287196.6/76

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.446+/-7.511 χ^2/NDF:18.9/21

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: -4.689+/-7.777 χ^2/NDF:32.0/19

Left: -10.772+/-5.403 χ^2/NDF: 52.0/41

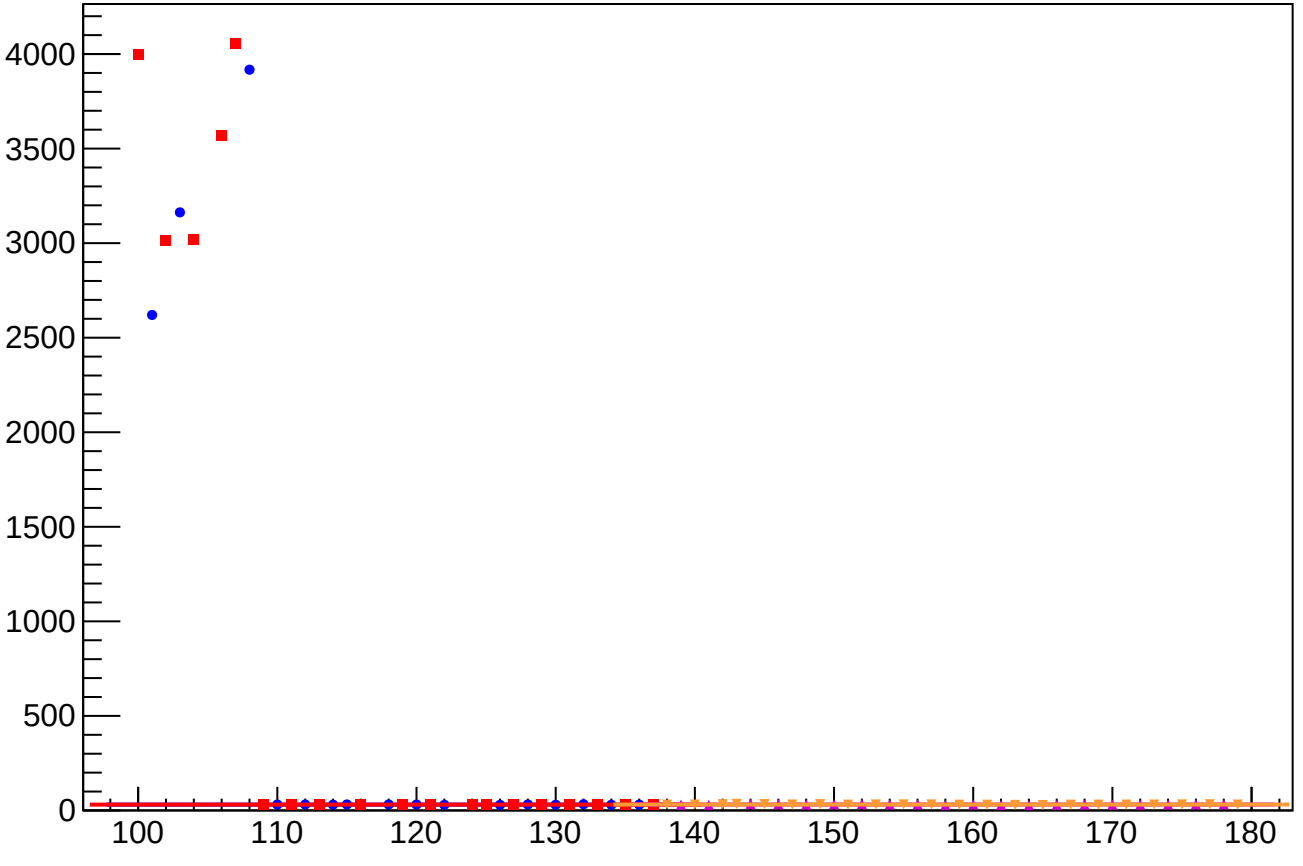
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 0.127+/-6.683 χ^2/NDF:48.9/35

Out: -6.720+/-6.526 χ^2/NDF:54.4/40

All: -3.378+/-4.669 χ^2/NDF: 103.8/76

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.337+/-0.005 χ^2/NDF:62609.7/21

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.346+/-0.005 χ^2/NDF:83916.4/19

Left: 31.341+/-0.004 χ^2/NDF: 146527.6/41

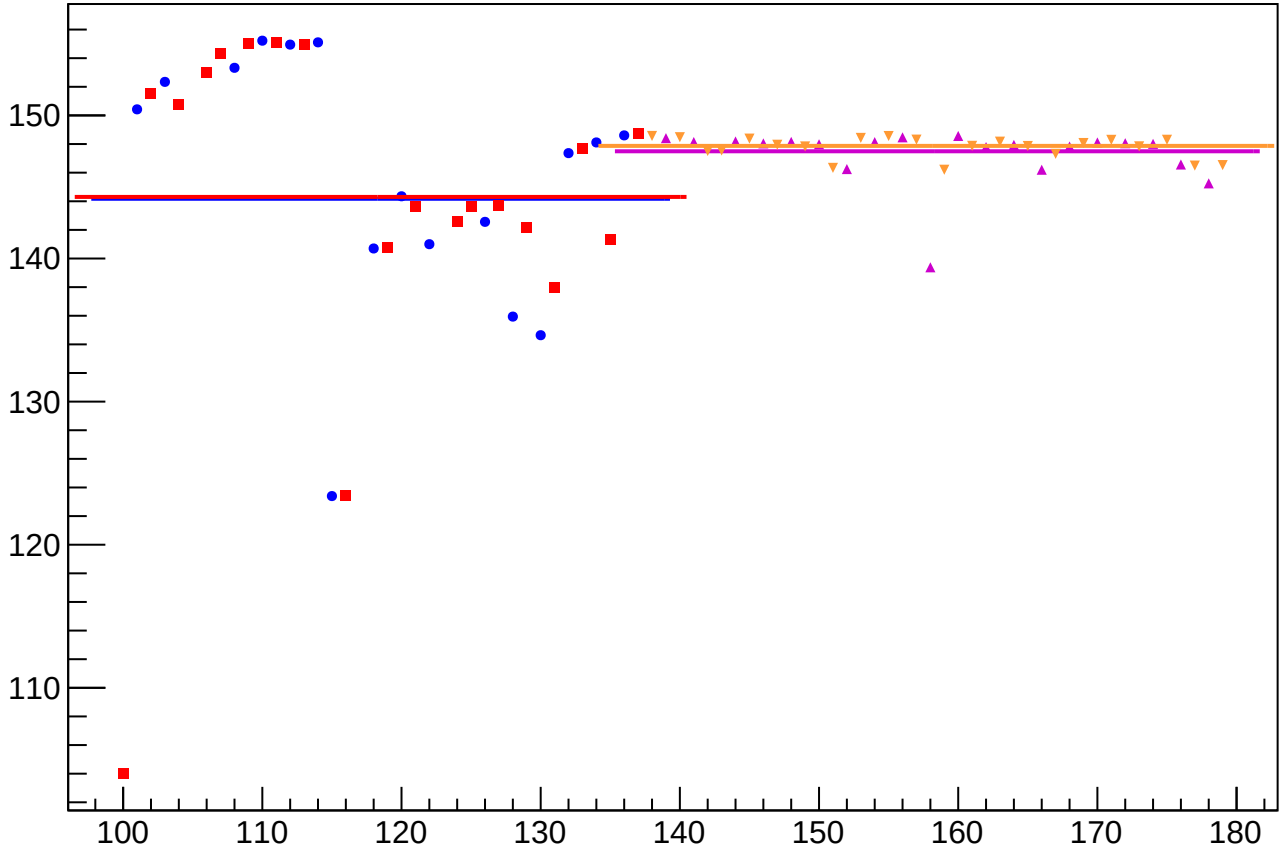
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.237+/-0.005 χ^2/NDF:3338032.2/35

Out: 31.200+/-0.005 χ^2/NDF:3601567.7/40

All: 31.218+/-0.003 χ^2/NDF: 6939631.2/76

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.493+/-0.000 χ^2/NDF:306018280.1/19

Left: 147.691+/-0.000 χ^2/NDF: 357076718.7/41

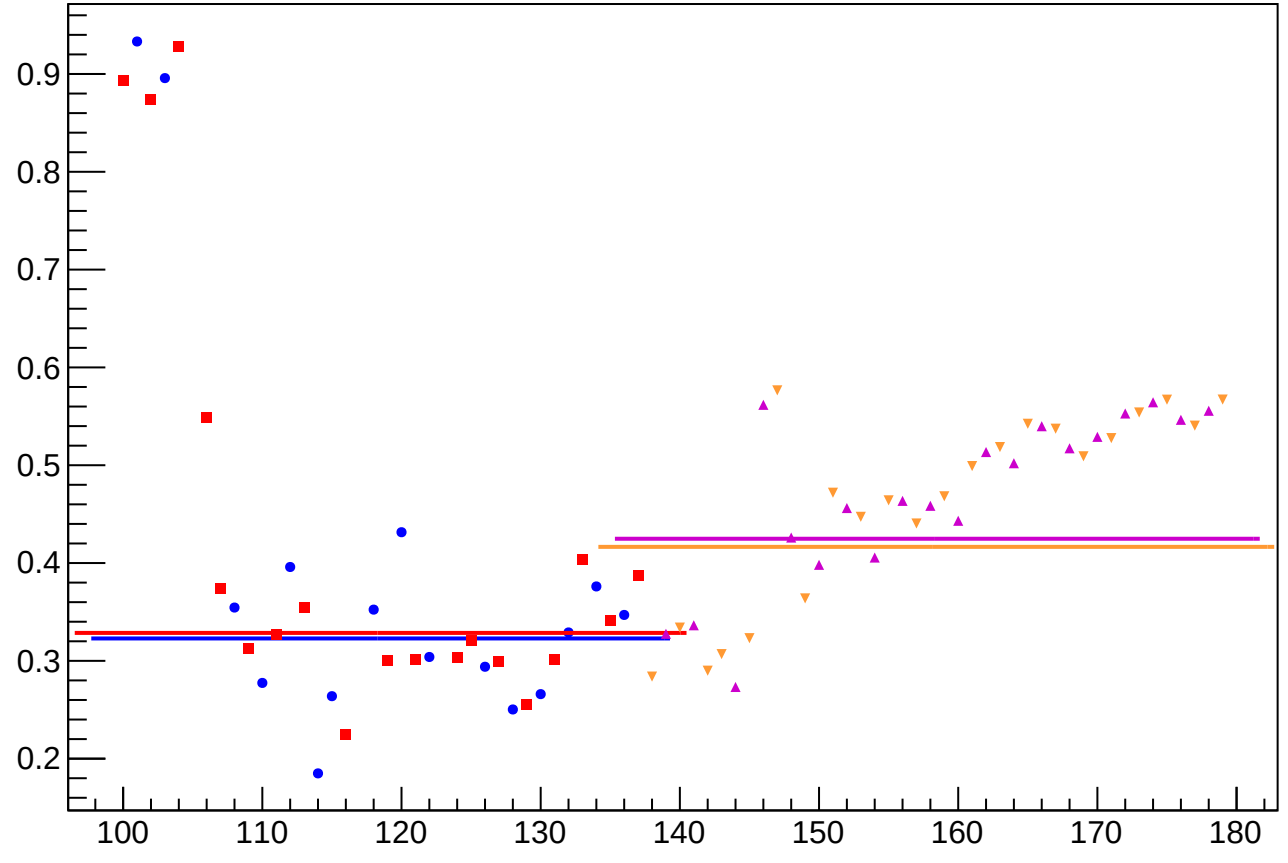
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.144+/-0.000 χ^2/NDF:4403221860.5/35

Out: 146.513+/-0.000 χ^2/NDF:4754174836.7/40

All: 146.334+/-0.000 χ^2/NDF: 9167248774.7

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.425+/-0.000 χ^2/NDF:1519236.7/19

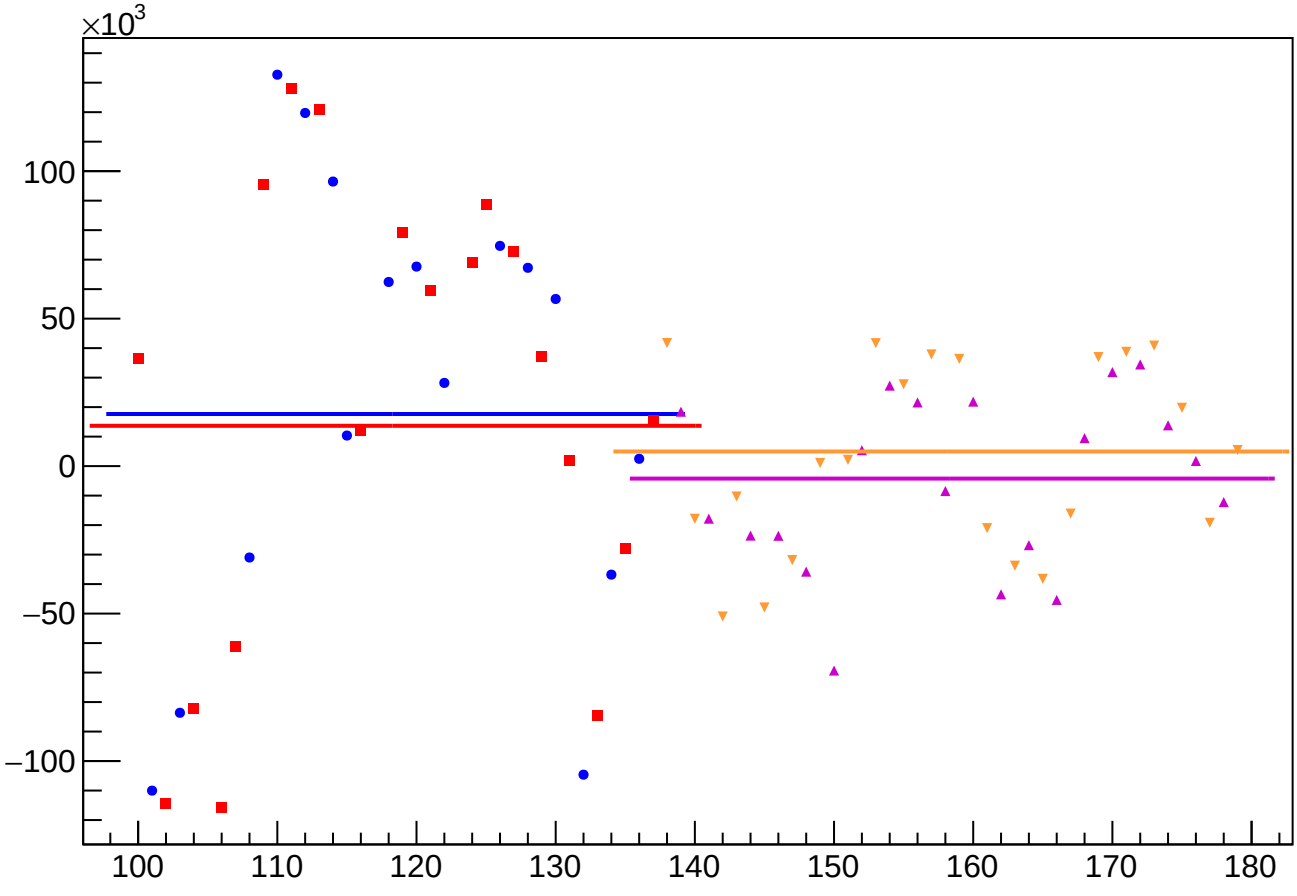
Left: 0.420+/-0.000 χ^2/NDF: 3444464.3/41

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.383+/-0.000 χ^2/NDF:3618955.0/35

Out: 0.383+/-0.000 χ^2/NDF:3764602.1/40

All: 0.383+/-0.000 χ^2/NDF: 7383571.3/76



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4952.300+/-1.167 χ^2/NDF:696069545.8/21

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -4231.583+/-1.198 χ^2/NDF:583983959.3/19

Left: 481.557+/-0.836 χ^2/NDF: 1310209112.1/41

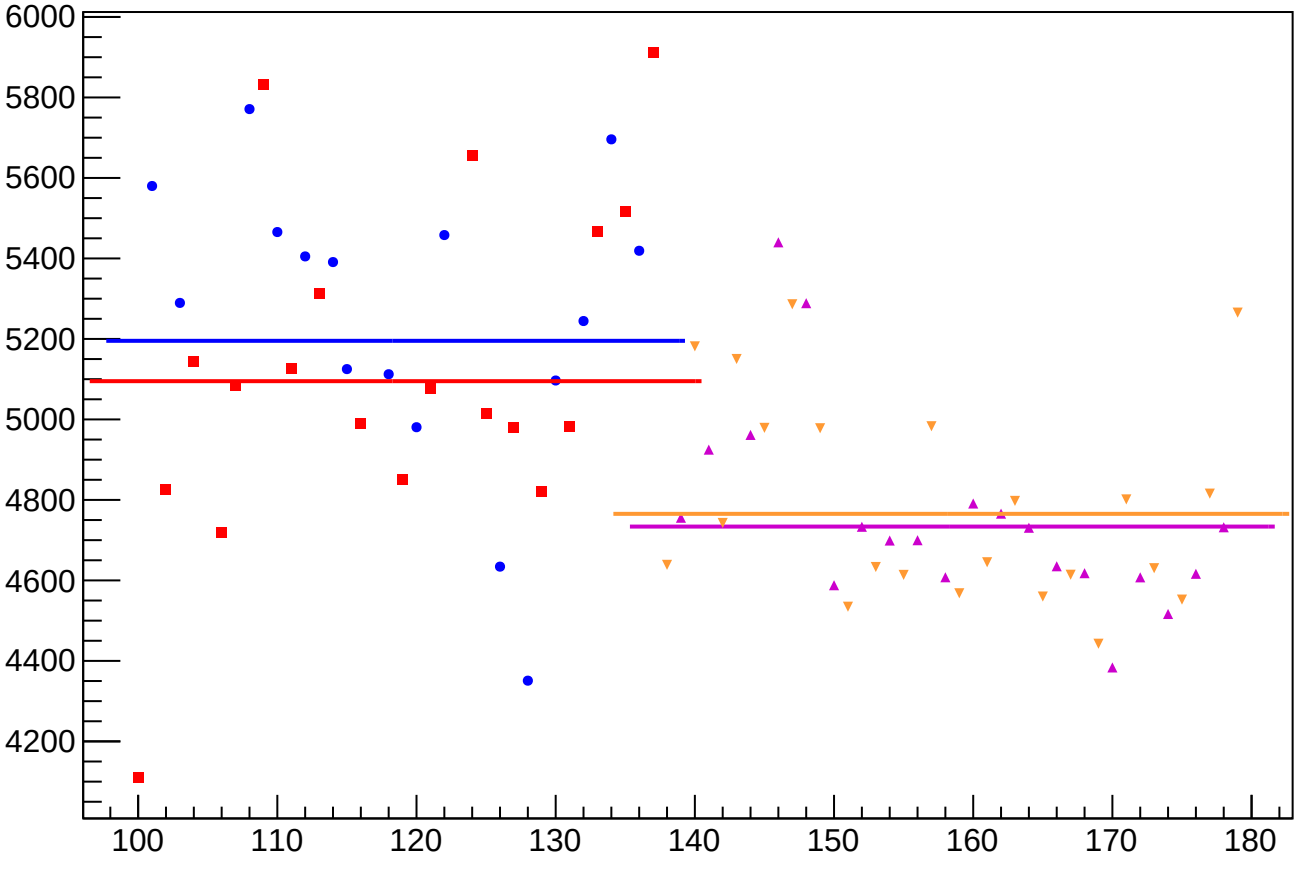
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 1527.134+/-1.029 χ^2/NDF:2070566150.2/35

Out: 7293.920+/-0.998 χ^2/NDF:2568018797.6/40

All: 4497.832+/-0.716 χ^2/NDF: 4654779259.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4765.379+/-0.825 χ^2/NDF:85253.0/21

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4733.758+/-0.847 χ^2/NDF:71094.2/19

Left: 4749.986+/-0.591 χ^2/NDF: 157062.2/41

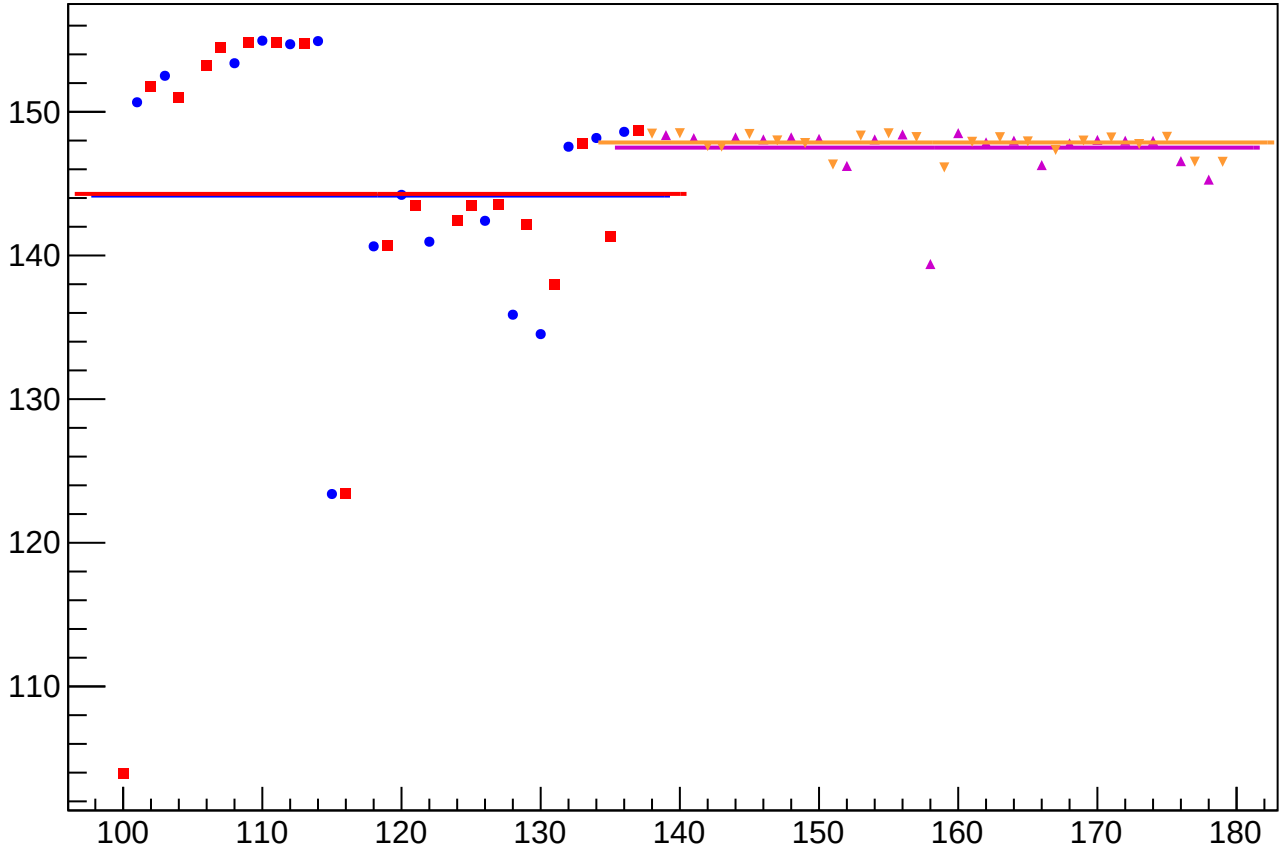
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4855.148+/-0.727 χ^2/NDF:226324.7/35

Out: 4853.967+/-0.706 χ^2/NDF:187263.9/40

All: 4854.540+/-0.506 χ^2/NDF: 413589.9/76

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.867+/-0.000 χ^2/NDF:44452451.6/21

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.508+/-0.000 χ^2/NDF:306420969.8/19

Left: 147.697+/-0.000 χ^2/NDF: 356546350.6/41

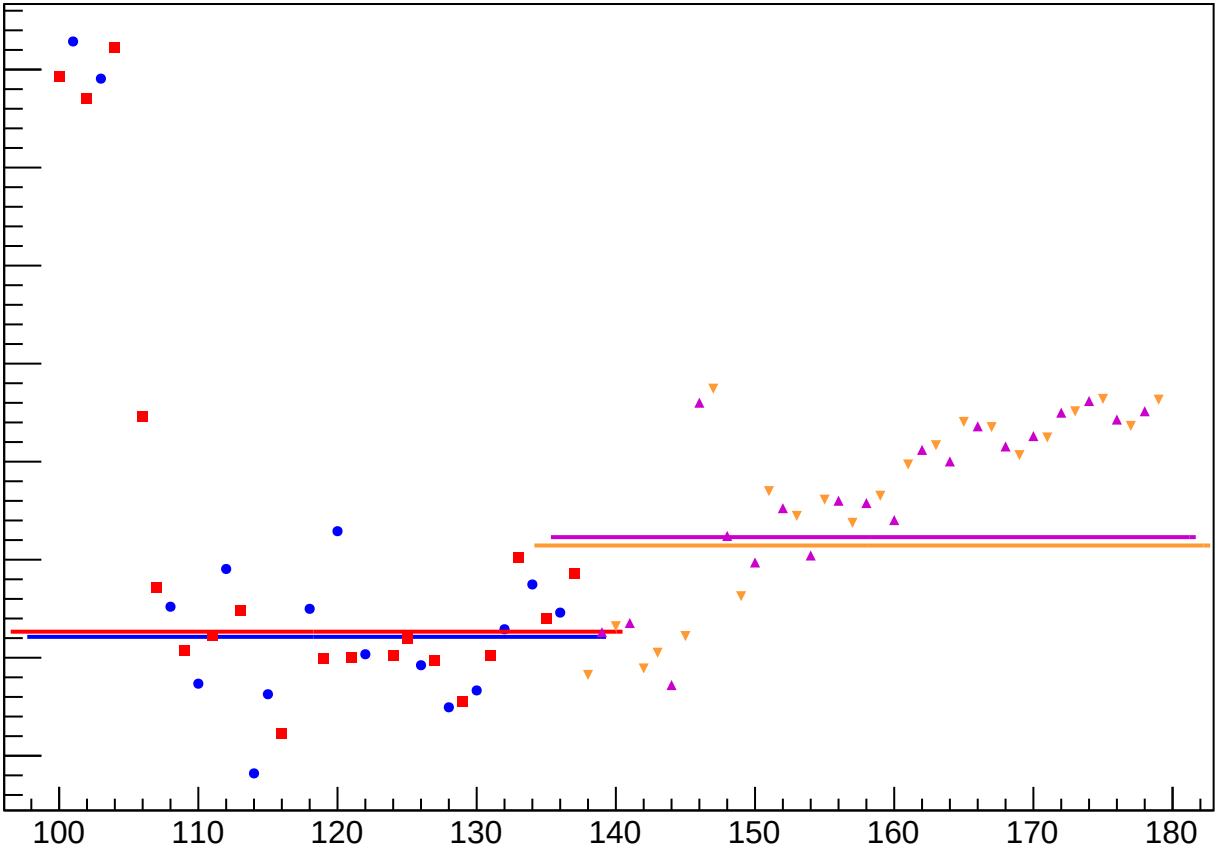
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.150+/-0.000 χ^2/NDF:4451734849.8/35

Out: 146.502+/-0.000 χ^2/NDF:4788070938.3/40

All: 146.331+/-0.000 χ^2/NDF: 9248851979.6

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.414+/-0.000 χ^2/NDF:1916312.6/21

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.423+/-0.000 χ^2/NDF:1512596.5/19

Left: 0.419+/-0.000 χ^2/NDF: 3435322.6/41

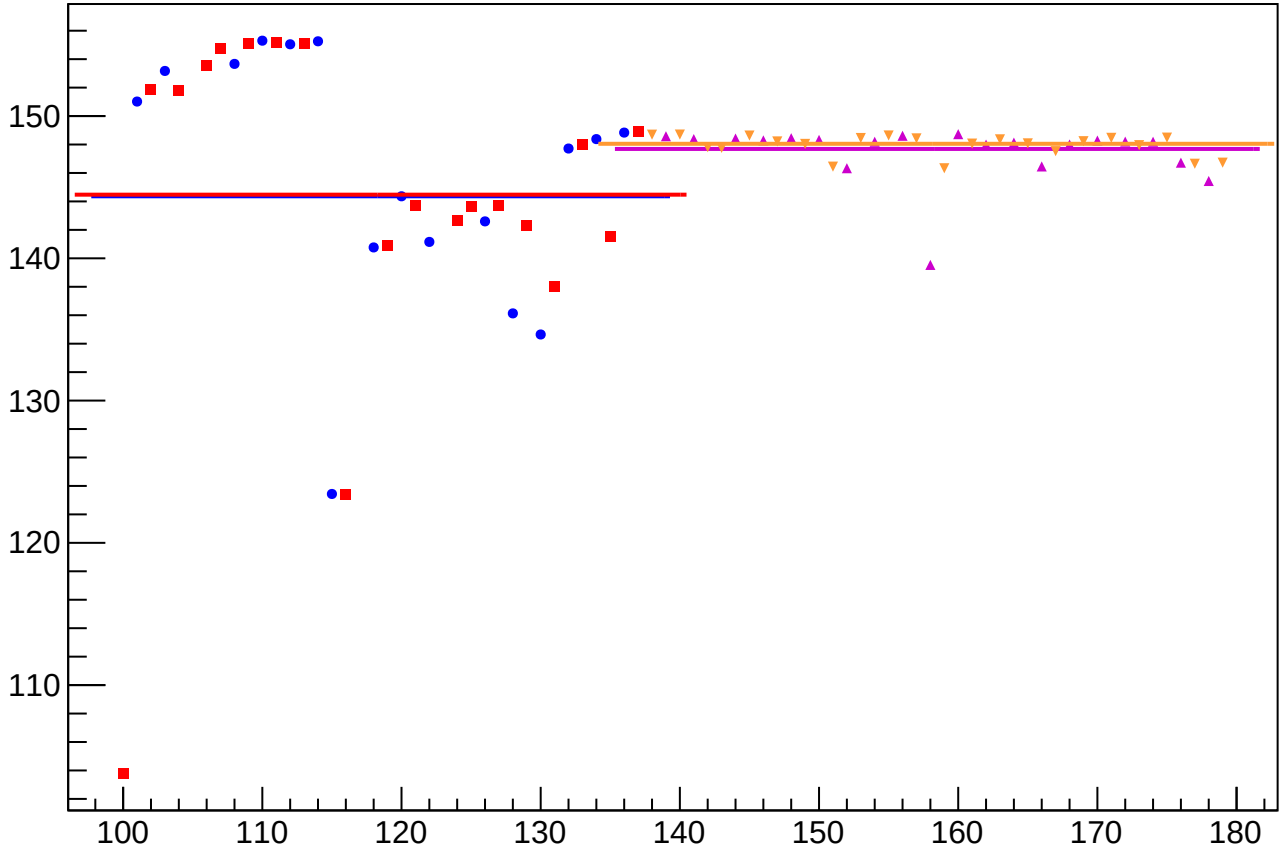
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.382+/-0.000 χ^2/NDF:3616083.7/35

Out: 0.381+/-0.000 χ^2/NDF:3765769.6/40

All: 0.381+/-0.000 χ^2/NDF: 7381910.7/76

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.051+/-0.000 χ^2/NDF:44872652.6/21

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.688+/-0.000 χ^2/NDF:311204950.9/19

Left: 147.879+/-0.000 χ^2/NDF: 361813543.2/41

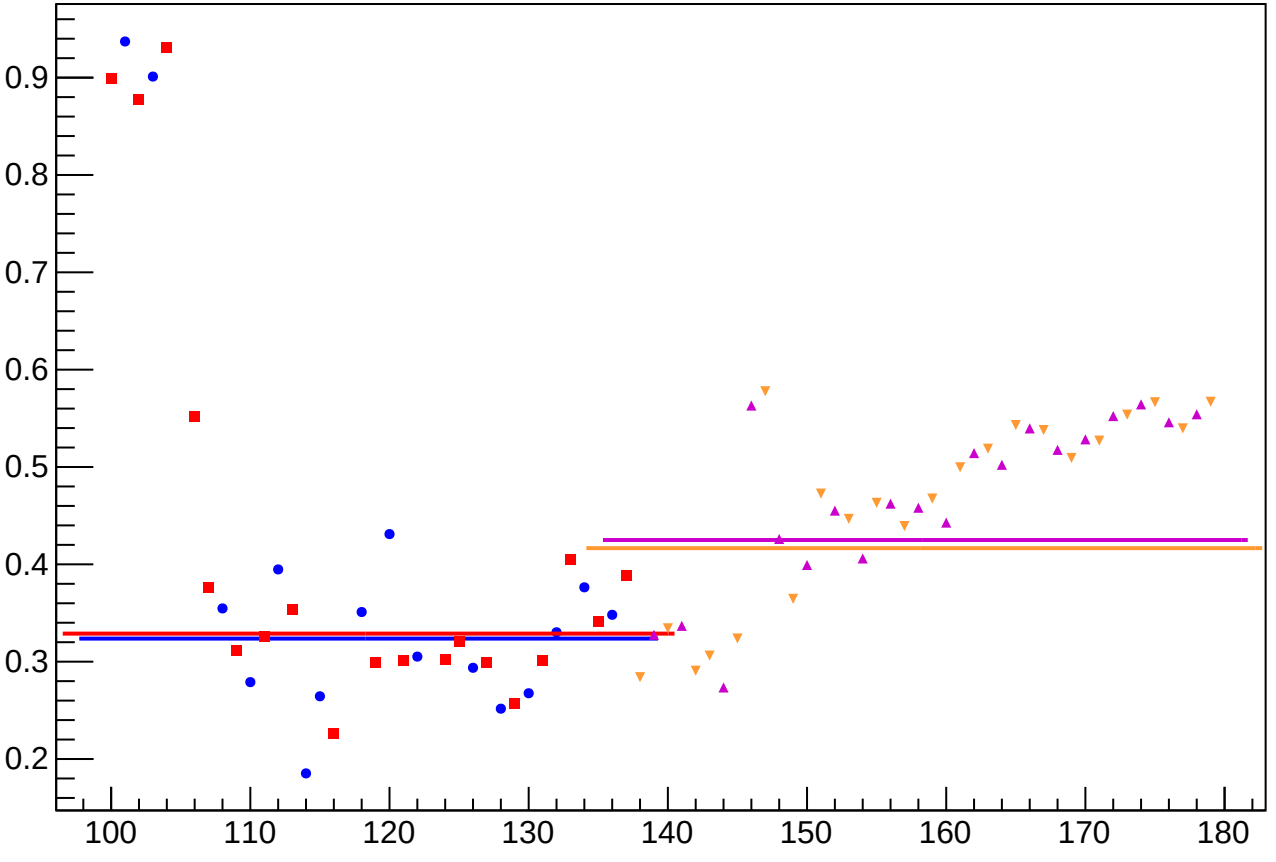
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.338+/-0.000 χ^2/NDF:4443607148.5/35

Out: 146.691+/-0.000 χ^2/NDF:4773585250.1/40

All: 146.519+/-0.000 χ^2/NDF: 9226153673.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.417+/-0.000 χ^2/NDF:1914371.6/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.425+/-0.000 χ^2/NDF:1511808.3/19

Left: 0.421+/-0.000 χ^2/NDF: 3432252.0/41

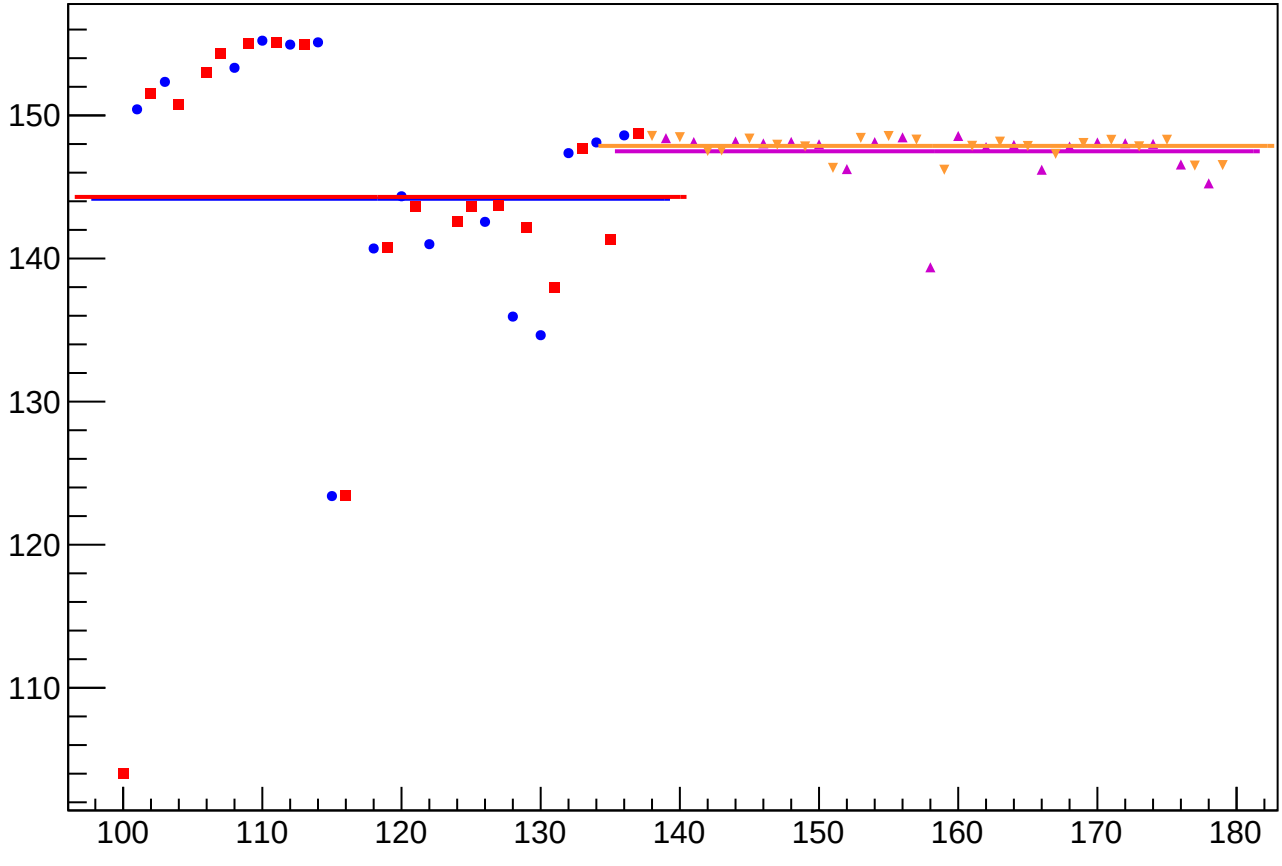
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.384+/-0.000 χ^2/NDF:3596455.4/35

Out: 0.383+/-0.000 χ^2/NDF:3756299.5/40

All: 0.384+/-0.000 χ^2/NDF: 7352814.4/76

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.871+/-0.000 χ^2/NDF:44817551.1/21

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.493+/-0.000 χ^2/NDF:306018280.1/19

Left: 147.691+/-0.000 χ^2/NDF: 357076718.7/41

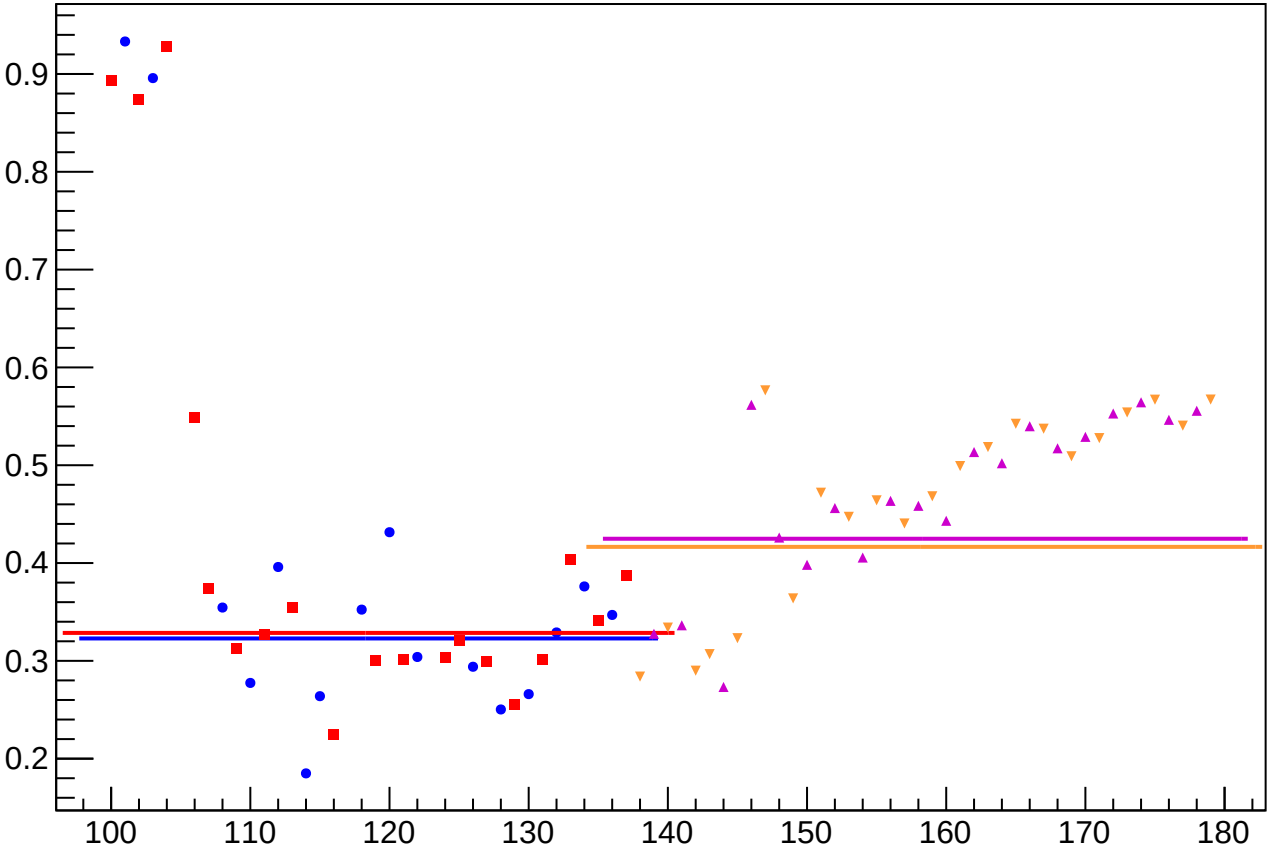
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.144+/-0.000 χ^2/NDF:4403221860.5/35

Out: 146.513+/-0.000 χ^2/NDF:4754174836.7/40

All: 146.334+/-0.000 χ^2/NDF: 9167248774.7

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.417+/-0.000 χ^2/NDF:1919213.7/21

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.425+/-0.000 χ^2/NDF:1519236.7/19

Left: 0.420+/-0.000 χ^2/NDF: 3444464.3/41

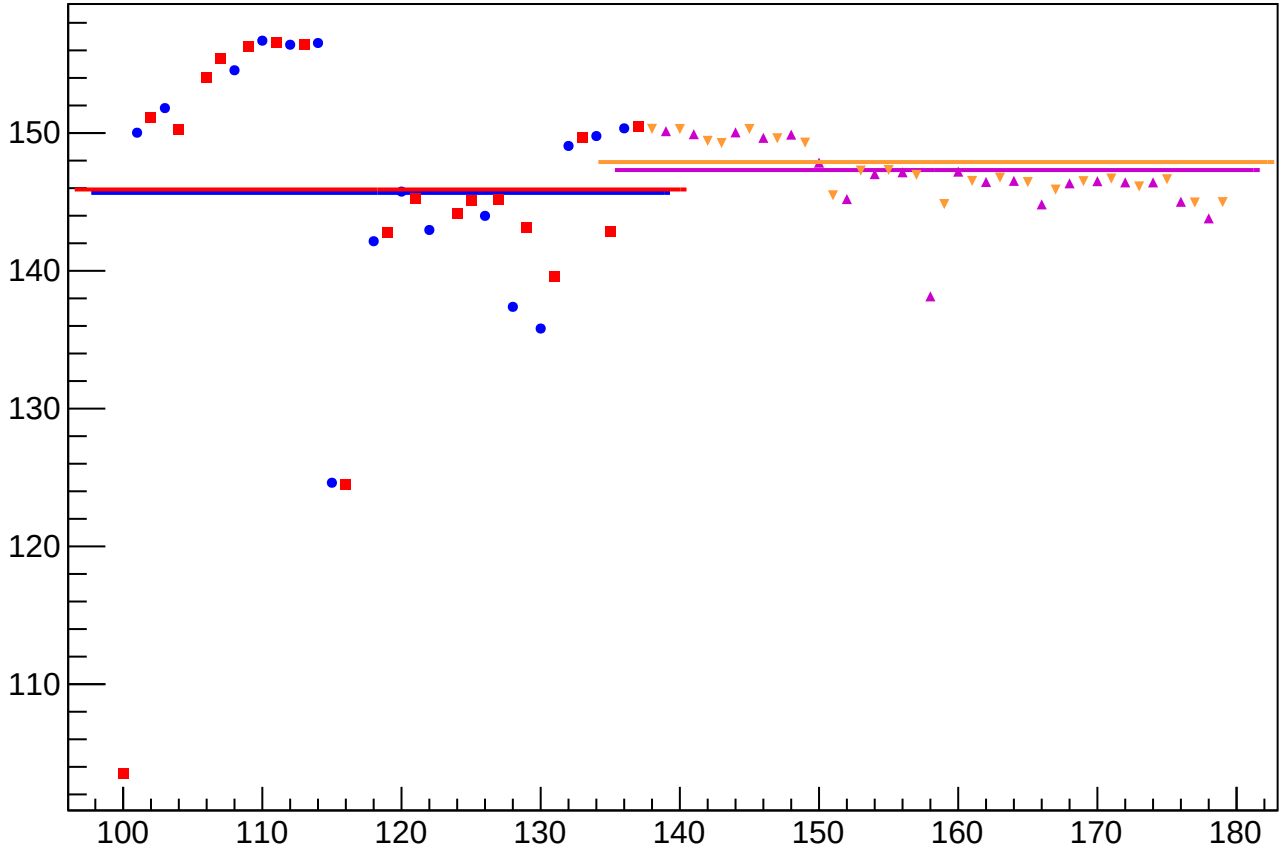
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.383+/-0.000 χ^2/NDF:3618955.0/35

Out: 0.383+/-0.000 χ^2/NDF:3764602.1/40

All: 0.383+/-0.000 χ^2/NDF: 7383571.3/76

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.895+/-0.000 χ^2/NDF:314302050.8/21

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.314+/-0.000 χ^2/NDF:612569975.3/19

Left: 147.617+/-0.000 χ^2/NDF: 940819580.0/41

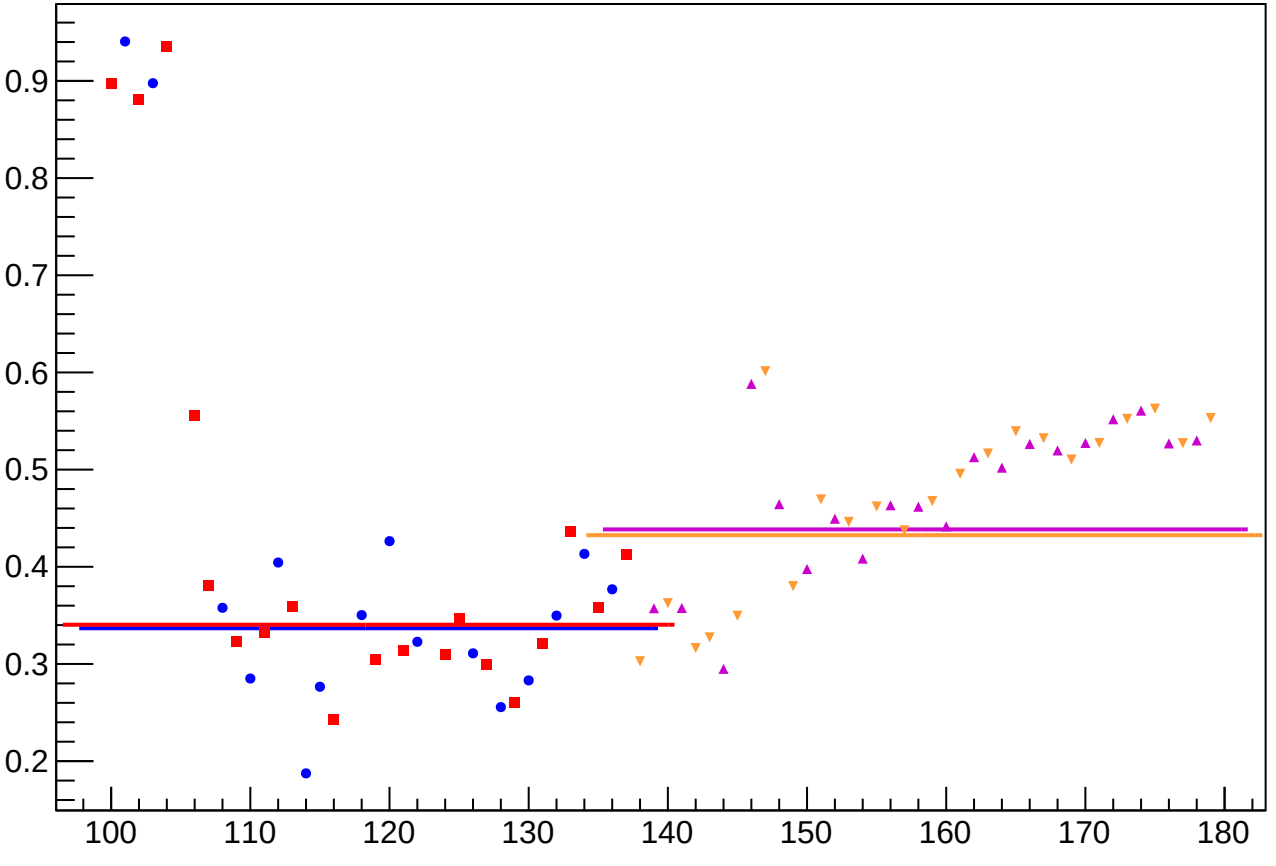
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.653+/-0.000 χ^2/NDF:4180682824.8/35

Out: 147.142+/-0.000 χ^2/NDF:4306824116.7/40

All: 146.904+/-0.000 χ^2/NDF: 8503614089.7

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.433+/-0.000 χ^2/NDF:1415310.9/21

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.438+/-0.000 χ^2/NDF:1130236.6/19

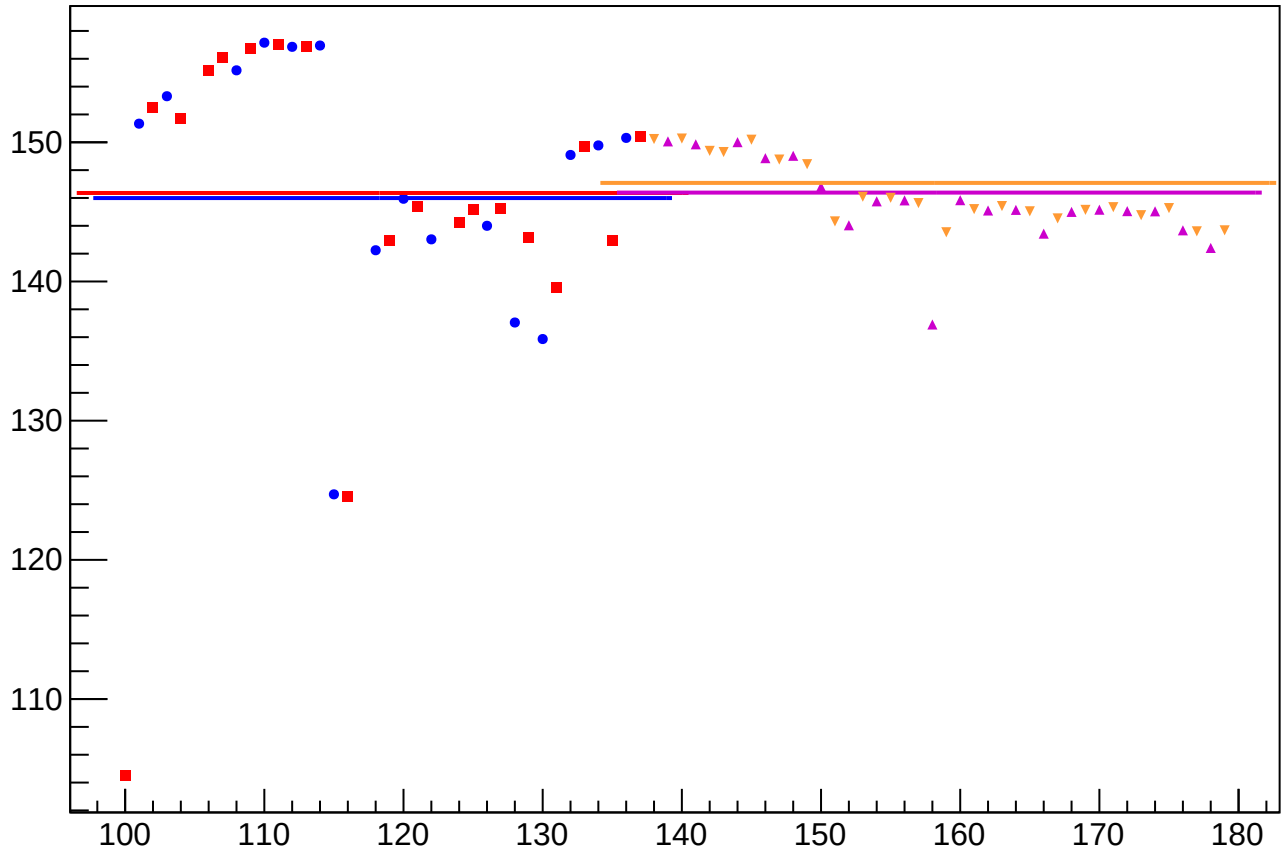
Left: 0.435+/-0.000 χ^2/NDF: 2548455.6/41

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.398+/-0.000 χ^2/NDF:3153384.5/35

Out: 0.398+/-0.000 χ^2/NDF:3244909.0/40

All: 0.398+/-0.000 χ^2/NDF: 6398303.2/76



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.082+/-0.000 χ^2/NDF:518826626.7/21

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.385+/-0.000 χ^2/NDF:812477040.9/19

Left: 146.750+/-0.000 χ^2/NDF: 1351282920.3/41

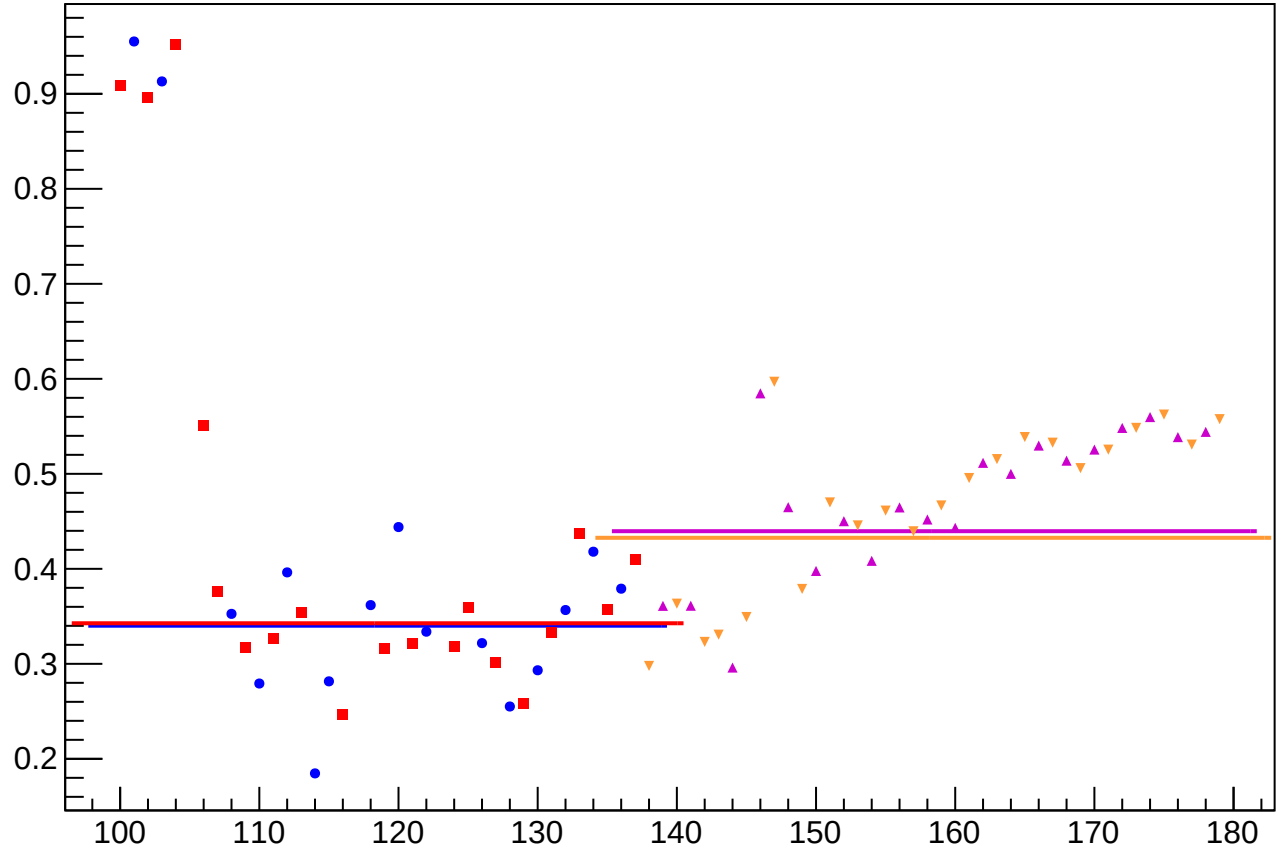
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.231+/-0.000 χ^2/NDF:4438894960.5/35

Out: 146.811+/-0.000 χ^2/NDF:4498890996.7/40

All: 146.529+/-0.000 χ^2/NDF: 8960308059.8

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.433+/-0.000 χ^2/NDF:1405892.0/21

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.440+/-0.000 χ^2/NDF:1104460.7/19

Left: 0.436+/-0.000 χ^2/NDF: 2514335.6/41

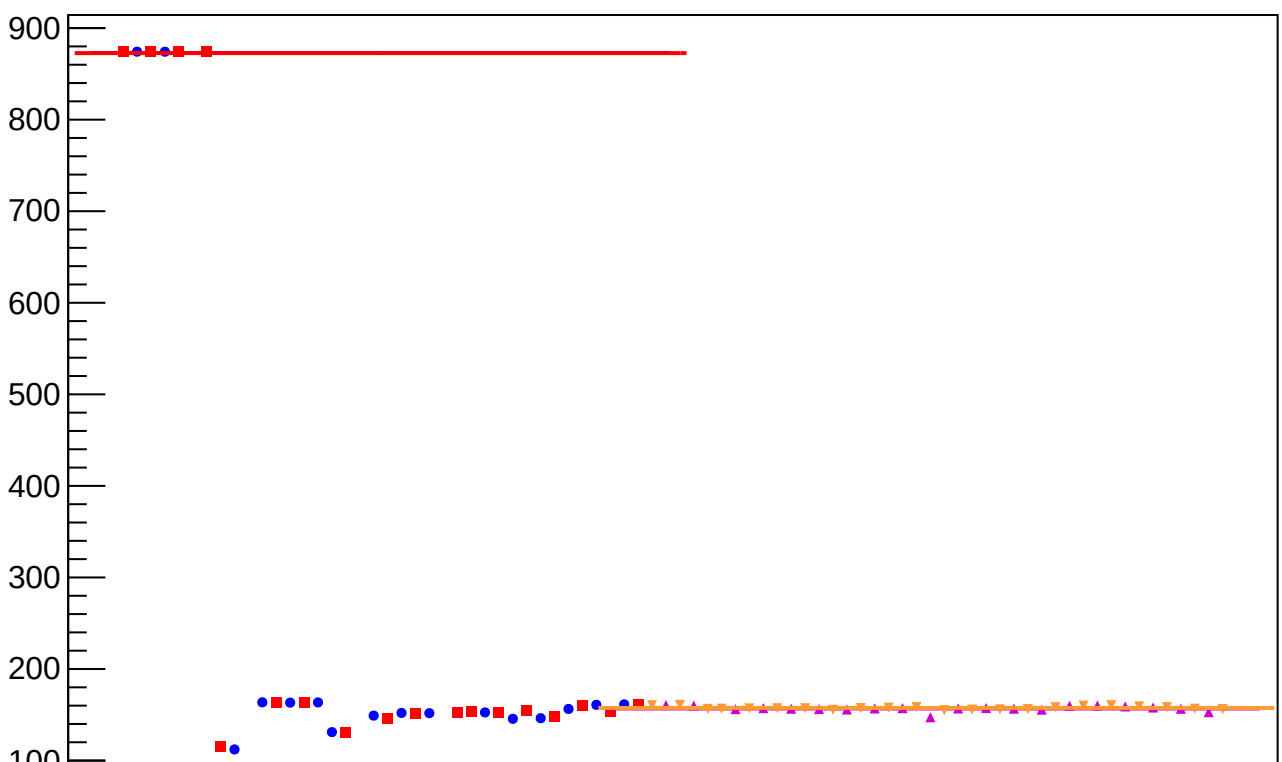
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.400+/-0.000 χ^2/NDF:3111778.4/35

Out: 0.399+/-0.000 χ^2/NDF:3199860.7/40

All: 0.400+/-0.000 χ^2/NDF: 6311930.5/76

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.487+/-0.000 χ^2/NDF:95620728.2/21

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.882+/-0.000 χ^2/NDF:227209094.8/19

Left: 157.195+/-0.000 χ^2/NDF: 328289990.5/41

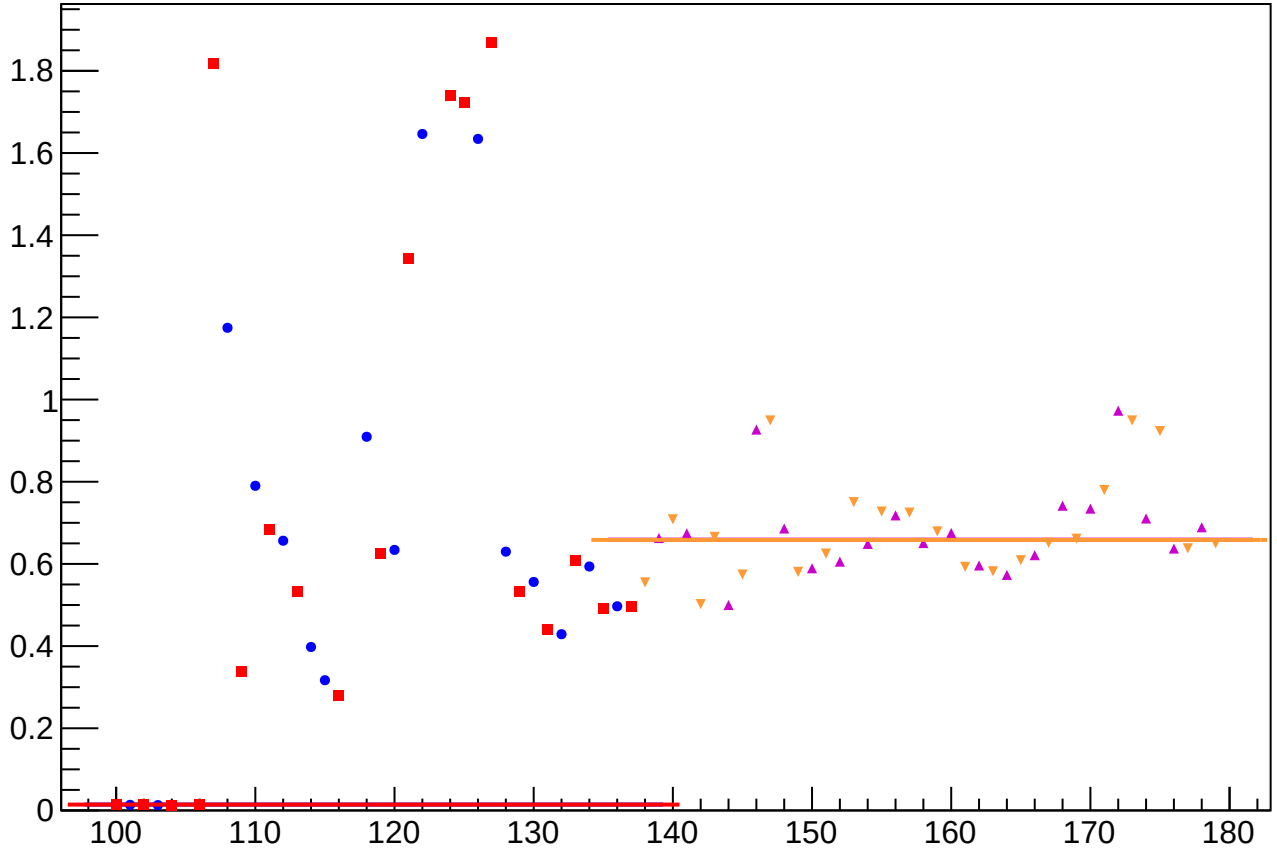
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 869.937+/-0.000 χ^2/NDF:21905784634594.8/3

Out: 869.996+/-0.000 χ^2/NDF:24899213750966.6

All: 869.969+/-0.000 χ^2/NDF: 468050116663

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.658+/-0.000 χ^2/NDF:607042.7/21

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.659+/-0.000 χ^2/NDF:464583.5/19

Left: 0.659+/-0.000 χ^2/NDF: 1071638.5/41

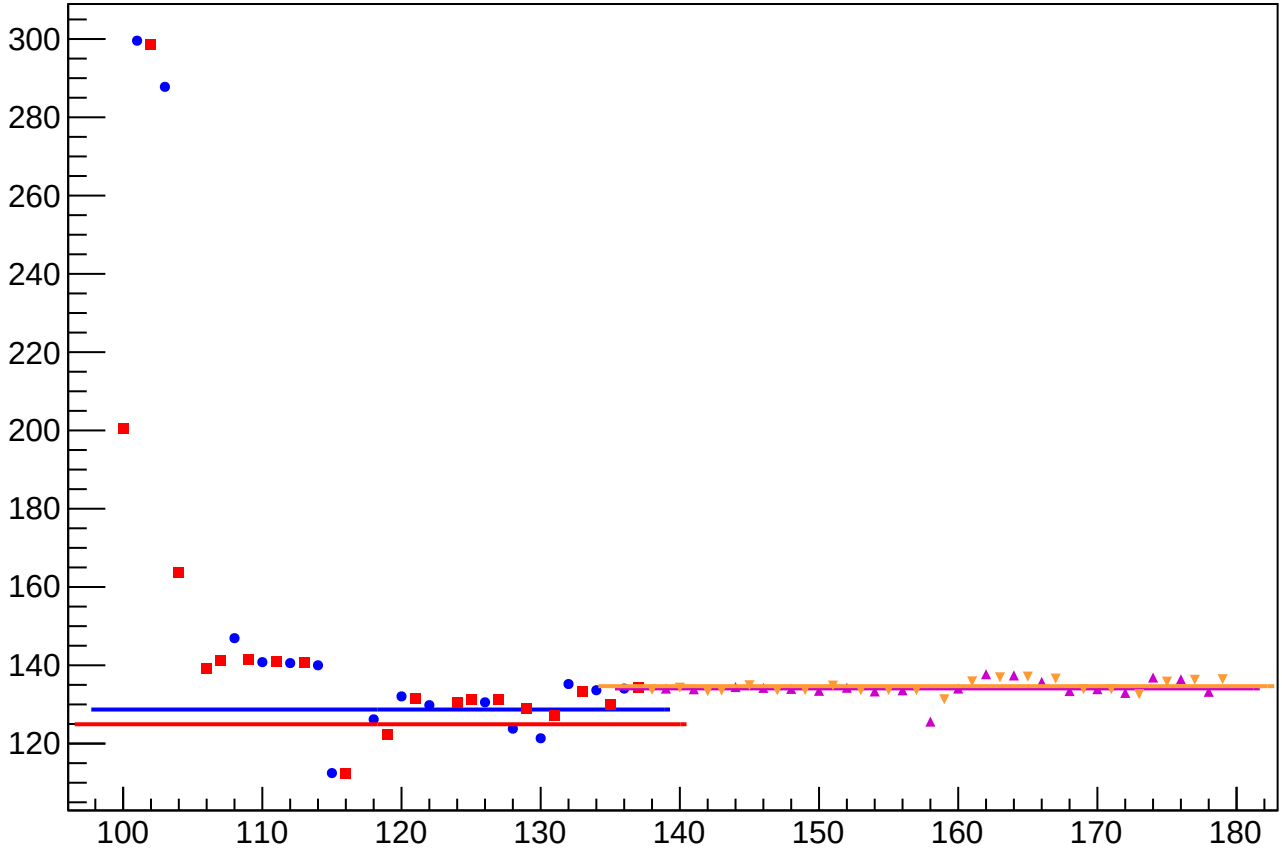
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:33949972.0/35

Out: 0.017+/-0.000 χ^2/NDF:35544687.3/40

All: 0.017+/-0.000 χ^2/NDF: 69495468.0/76

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.668+/-0.000 χ^2/NDF:148739705.3/21

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.094+/-0.000 χ^2/NDF:410349083.9/19

Left: 134.399+/-0.000 χ^2/NDF: 568889243.7/41

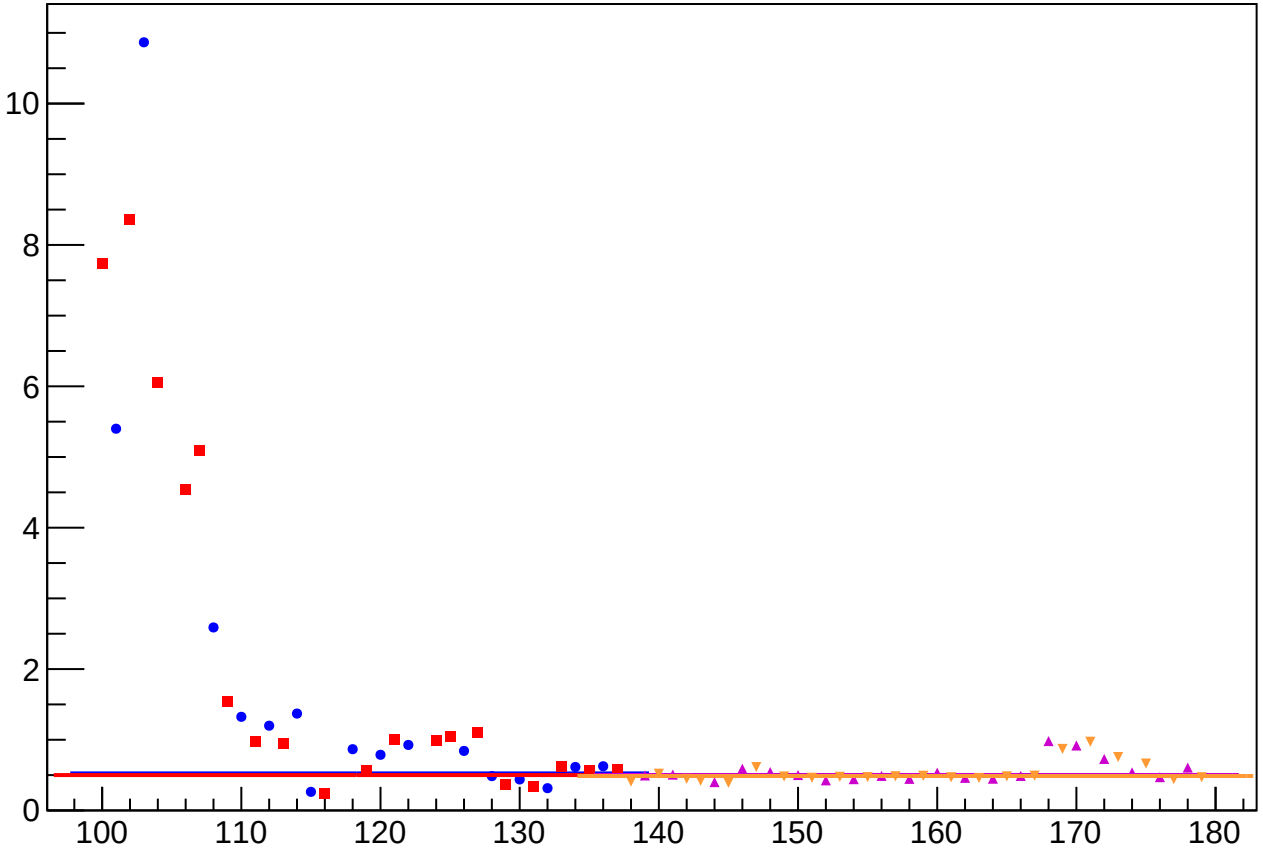
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.052+/-0.000 χ^2/NDF:2380184553.9/35

Out: 132.905+/-0.000 χ^2/NDF:2634925962.5/40

All: 132.974+/-0.000 χ^2/NDF: 5015903803.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.487+/-0.000 χ^2/NDF:1166430.8/21

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.502+/-0.000 χ^2/NDF:1135855.0/19

Left: 0.494+/-0.000 χ^2/NDF: 2314742.9/41

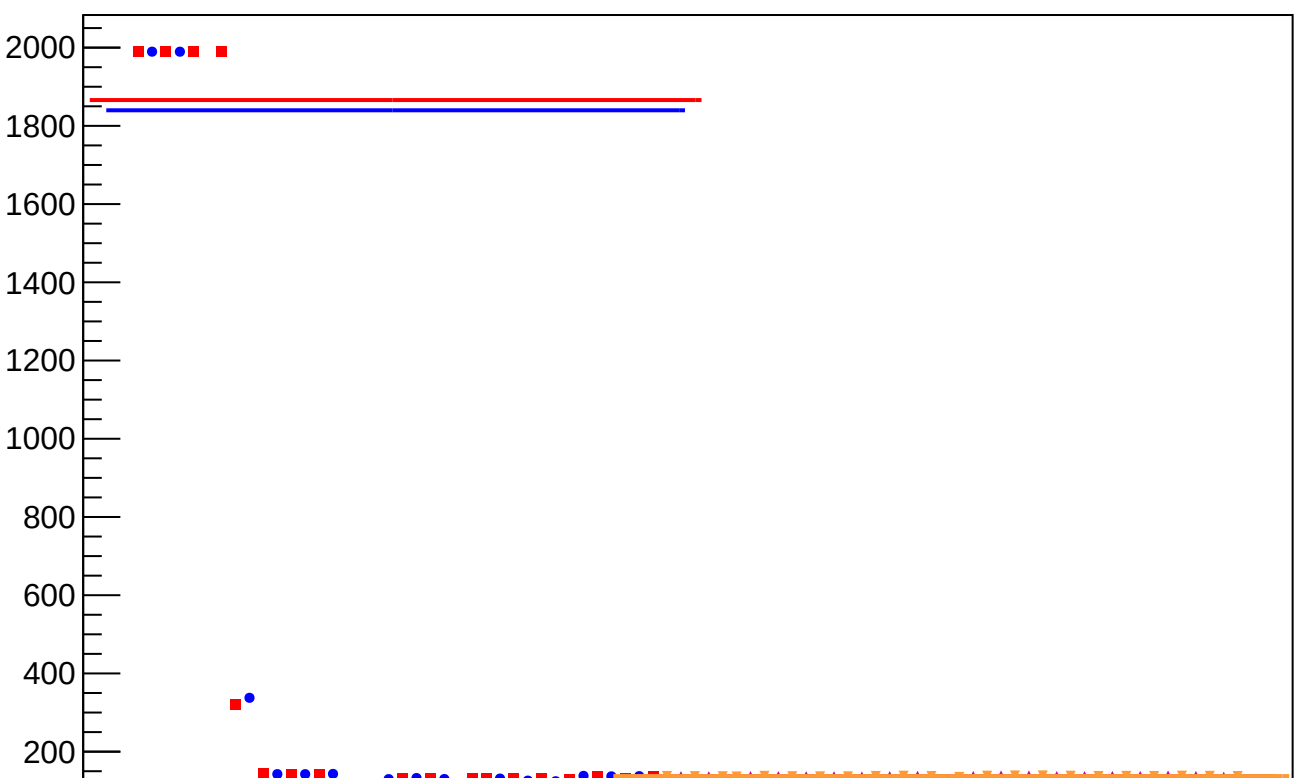
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.506+/-0.000 χ^2/NDF:5284878.8/35

Out: 0.490+/-0.000 χ^2/NDF:6054541.3/40

All: 0.497+/-0.000 χ^2/NDF: 11359044.3/76

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.558+/-0.000 χ^2/NDF:62966106.8/21

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.292+/-0.000 χ^2/NDF:242918033.8/19

Left: 137.432+/-0.000 χ^2/NDF: 308824786.9/41

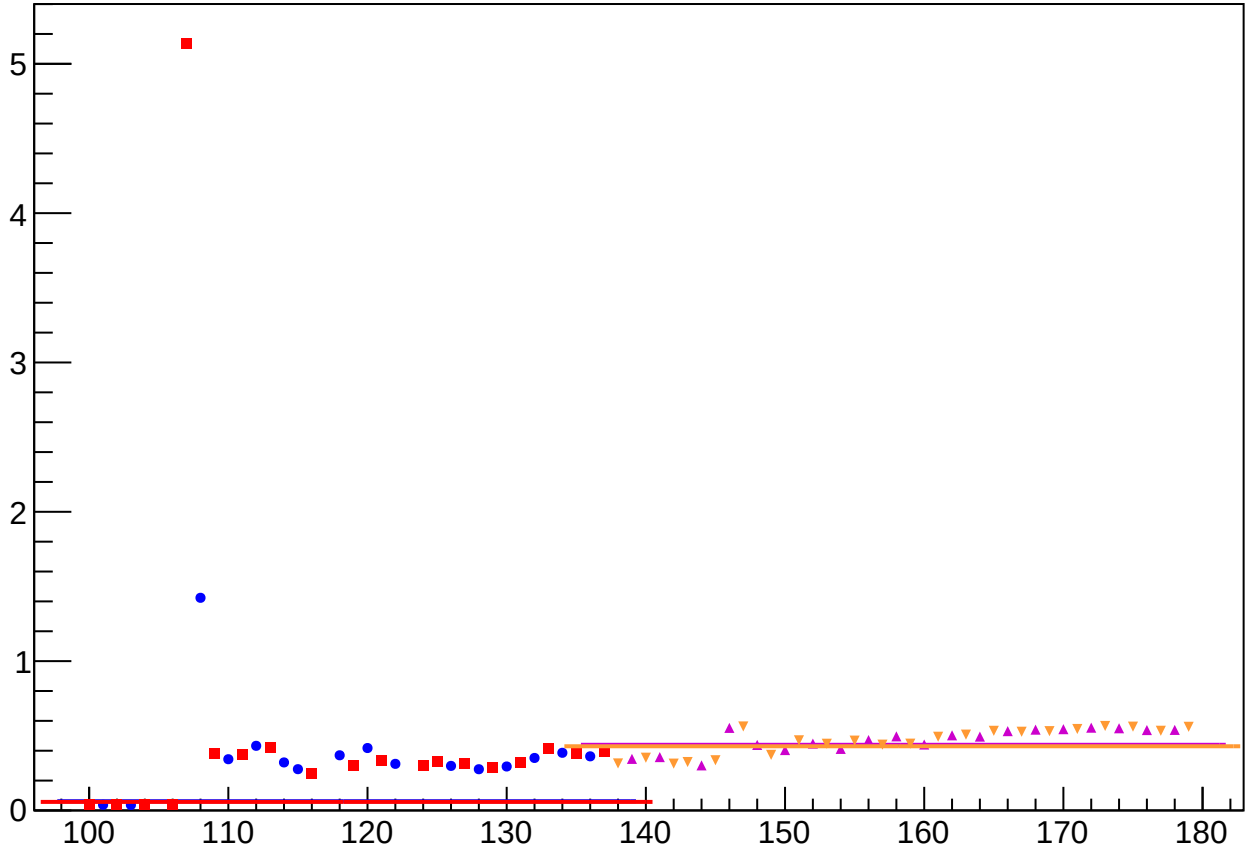
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1632.704+/-0.000 χ^2/NDF:346983970644404.

Out: 1664.645+/-0.000 χ^2/NDF:37449210870884

All: 1649.863+/-0.000 χ^2/NDF: 7218319417

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.430+/-0.000 χ^2/NDF:1452596.3/21

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.440+/-0.000 χ^2/NDF:1123167.3/19

Left: 0.435+/-0.000 χ^2/NDF: 2583795.4/41

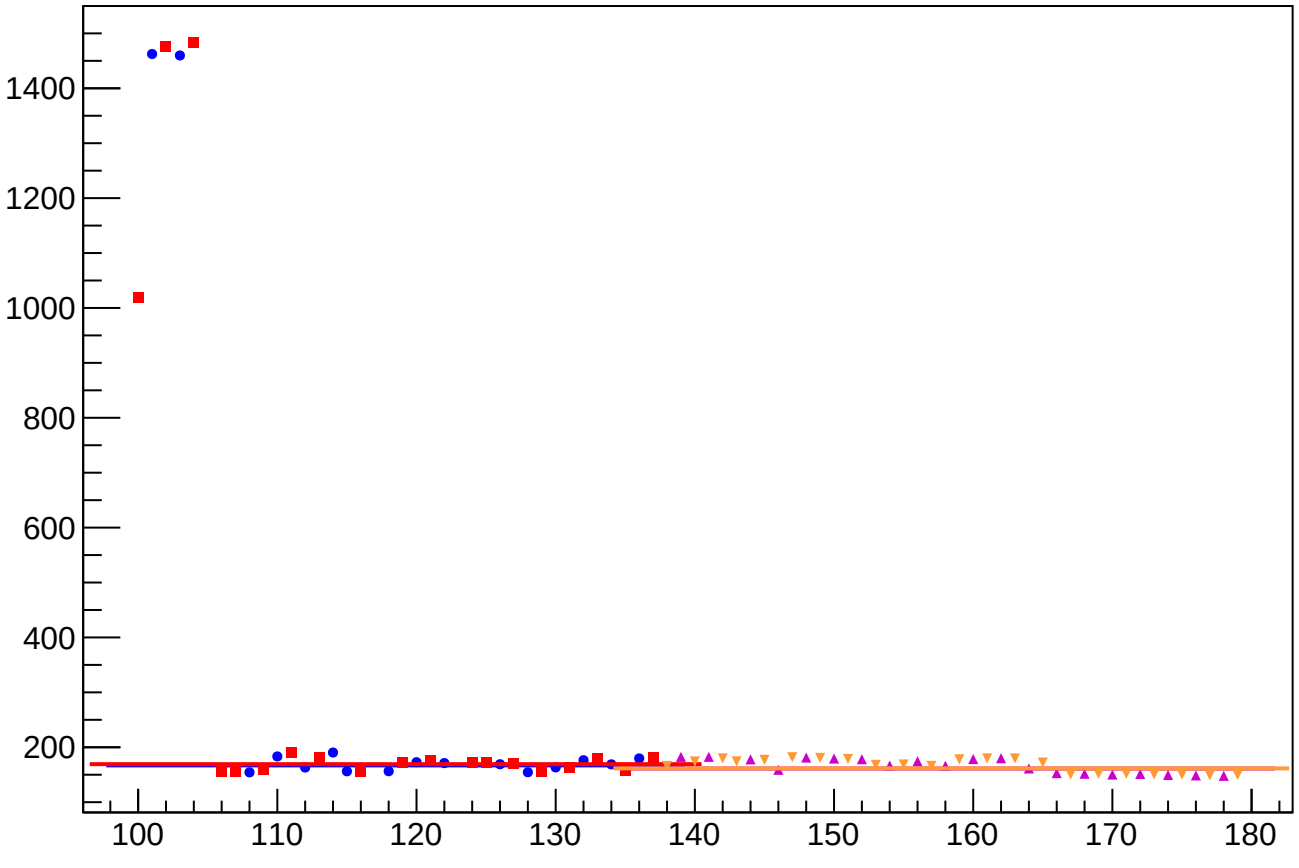
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.108+/-0.000 χ^2/NDF:29110413.2/35

Out: 0.101+/-0.000 χ^2/NDF:30727234.0/40

All: 0.104+/-0.000 χ^2/NDF: 59872370.0/76

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 161.547+/-0.000 χ^2/NDF:3466290501.4/21

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 161.229+/-0.000 χ^2/NDF:3437292498.1/19

Left: 161.394+/-0.000 χ^2/NDF: 6904674261.5/41

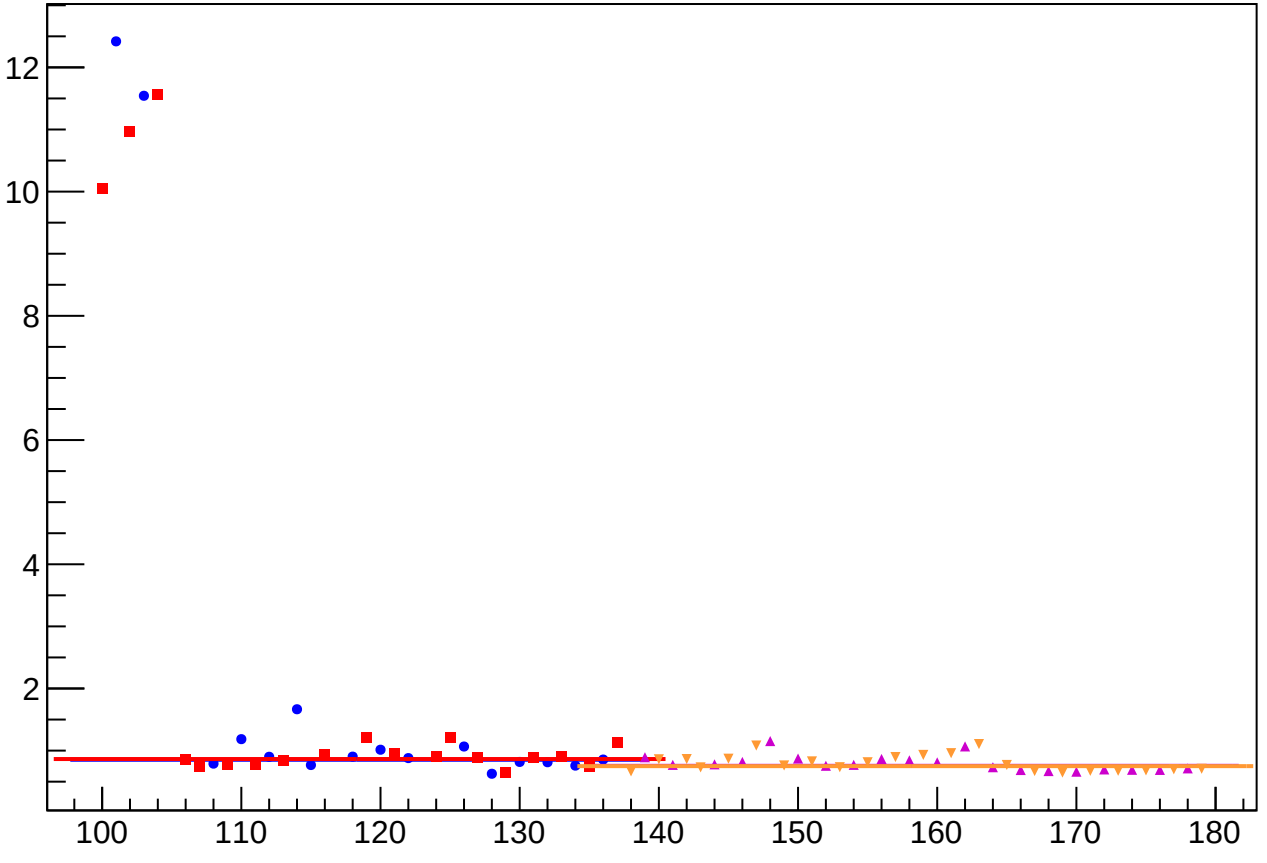
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 162.407+/-0.000 χ^2/NDF:18193557697.9/35

Out: 163.051+/-0.000 χ^2/NDF:20044569053.8/40

All: 162.741+/-0.000 χ^2/NDF: 38243707179.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.750+/-0.000 χ^2/NDF:539105.4/21

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.755+/-0.000 χ^2/NDF:426036.6/19

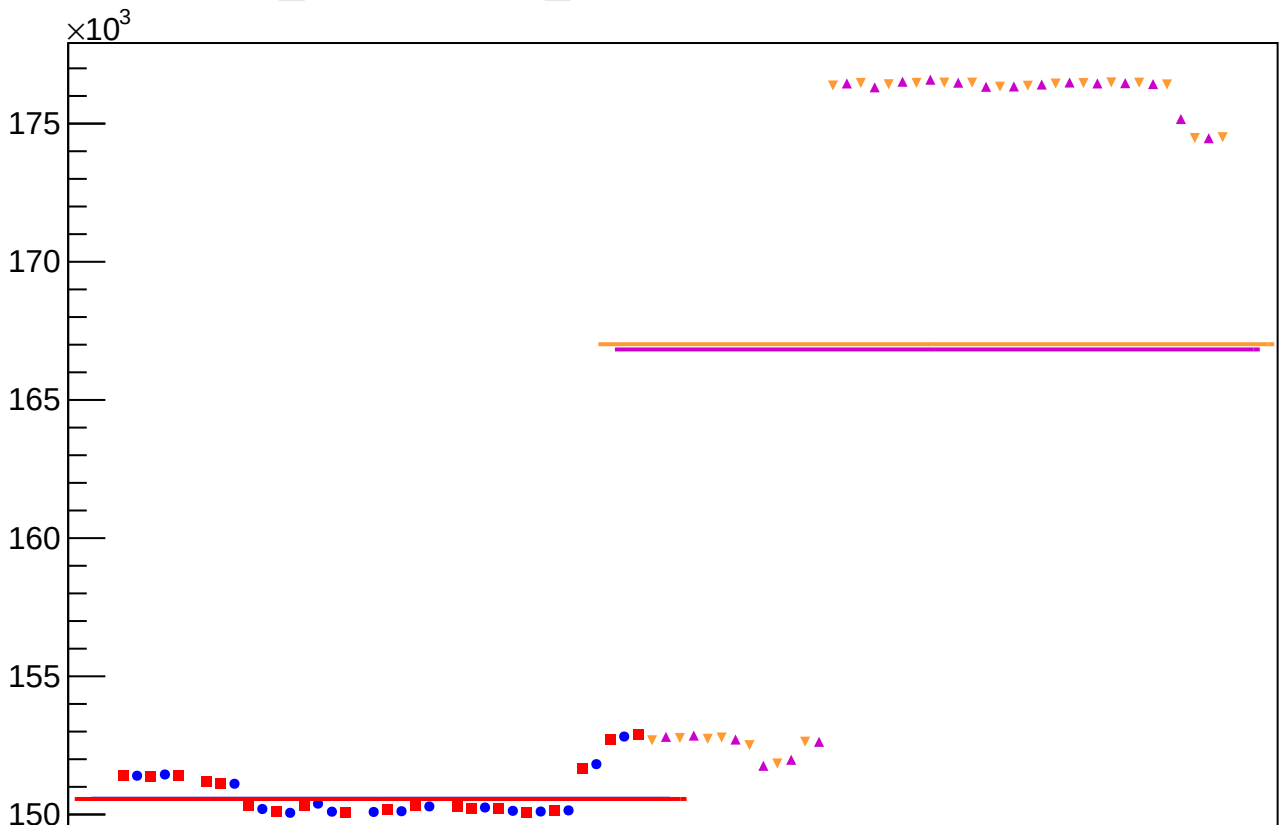
Left: 0.752+/-0.000 χ^2/NDF: 965742.6/41

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.775+/-0.000 χ^2/NDF:2809067.0/35

Out: 0.772+/-0.000 χ^2/NDF:2863220.5/40

All: 0.774+/-0.000 χ^2/NDF: 5672510.0/76



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2/21

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

Left: 166926.682+/-0.035 χ^2/NDF: 112294655576.

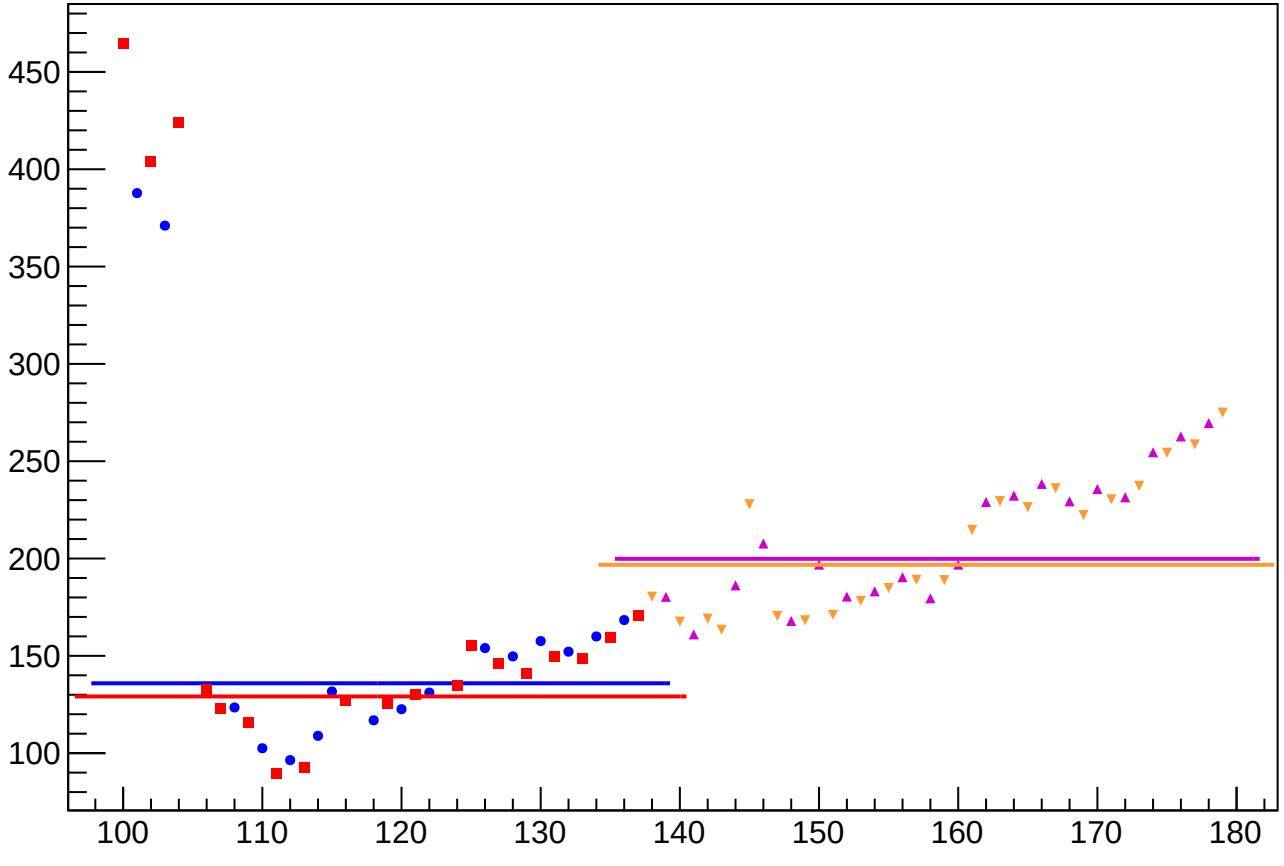
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159372.118+/-0.037 χ^2/NDF:102127345608.2

Out: 159298.267+/-0.035 χ^2/NDF:113900490574.

All: 159333.074+/-0.025 χ^2/NDF: 21602994

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 199.839+/-0.036 χ^2/NDF:690653.8/19

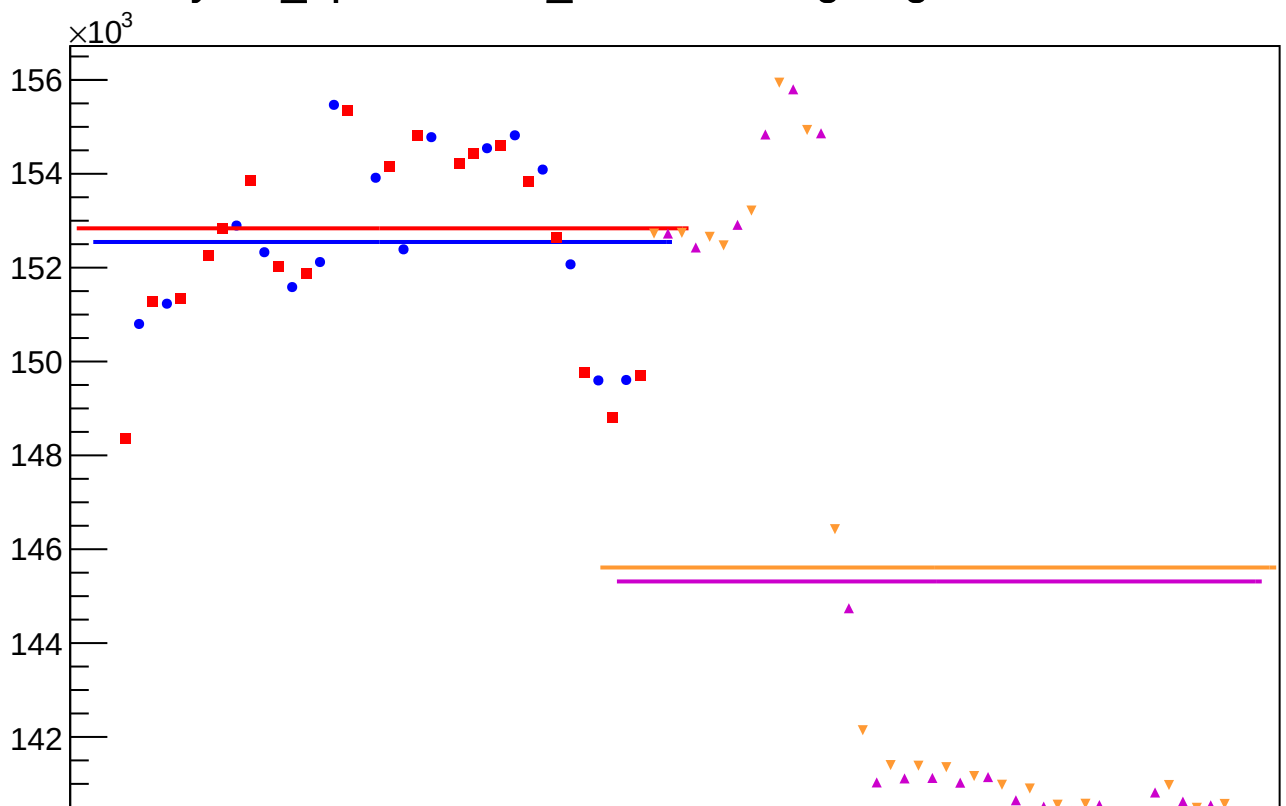
Left: 198.228+/-0.025 χ^2/NDF: 1551212.9/41

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 170.518+/-0.026 χ^2/NDF:3591603.4/35

Out: 165.039+/-0.025 χ^2/NDF:4339733.1/40

All: 167.621+/-0.018 χ^2/NDF: 7954543.2/76



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

Left: 145467.951+/-0.037 χ^2/NDF: 25577917333.5

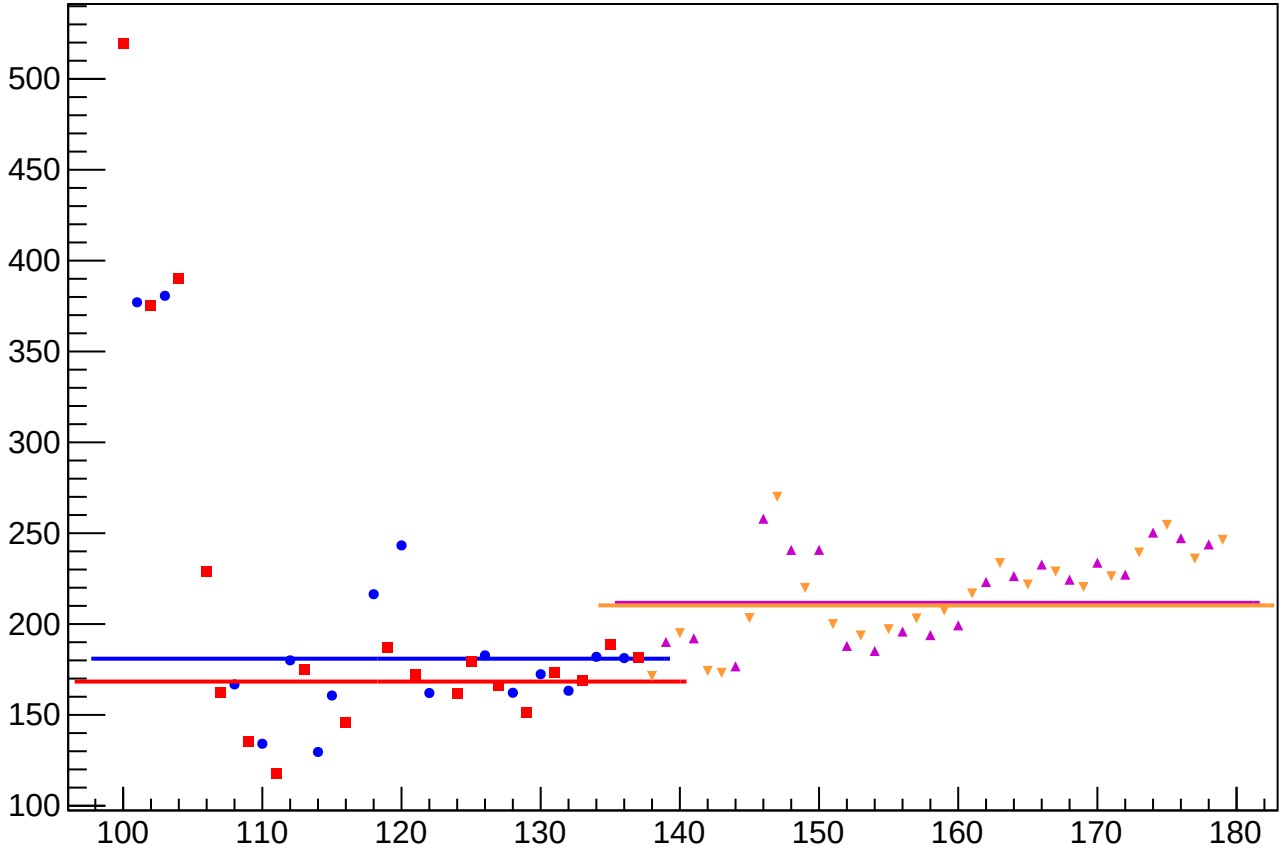
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147835.809+/-0.043 χ^2/NDF:19670996785.0/3

Out: 148282.088+/-0.041 χ^2/NDF:21154636516.6/

All: 148071.533+/-0.029 χ^2/NDF: 40882843

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 210.273+/-0.036 χ^2/NDF:478356.0/21

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 211.674+/-0.038 χ^2/NDF:449316.1/19

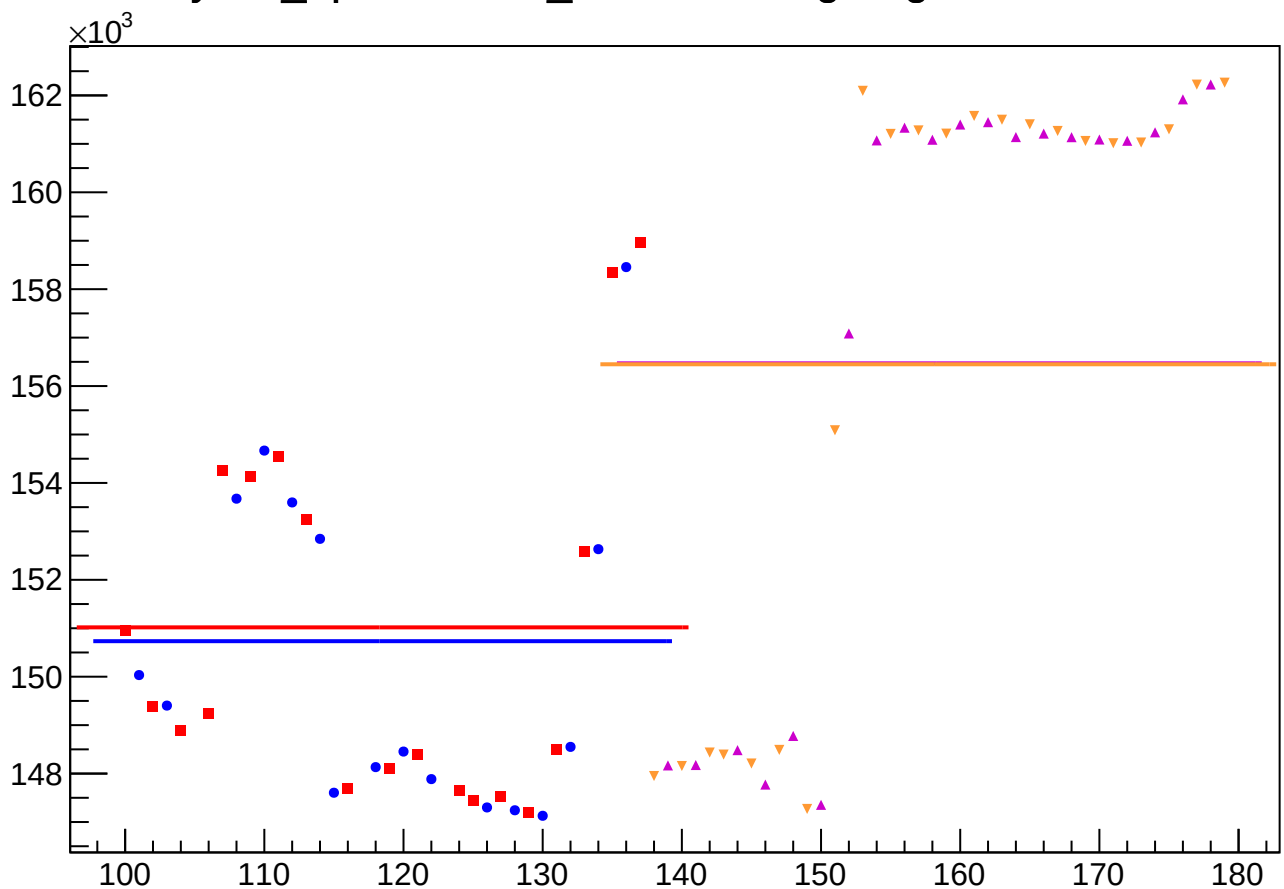
Left: 210.946+/-0.026 χ^2/NDF: 928394.7/41

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 200.956+/-0.030 χ^2/NDF:1590429.6/35

Out: 194.777+/-0.029 χ^2/NDF:2066129.6/40

All: 197.692+/-0.021 χ^2/NDF: 3678492.4/76



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156449.685+/-0.050 χ^2/NDF:15659925180.9/21

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156469.431+/-0.052 χ^2/NDF:13662342464.2/19

Left: 156459.068+/-0.036 χ^2/NDF: 29322341926.4

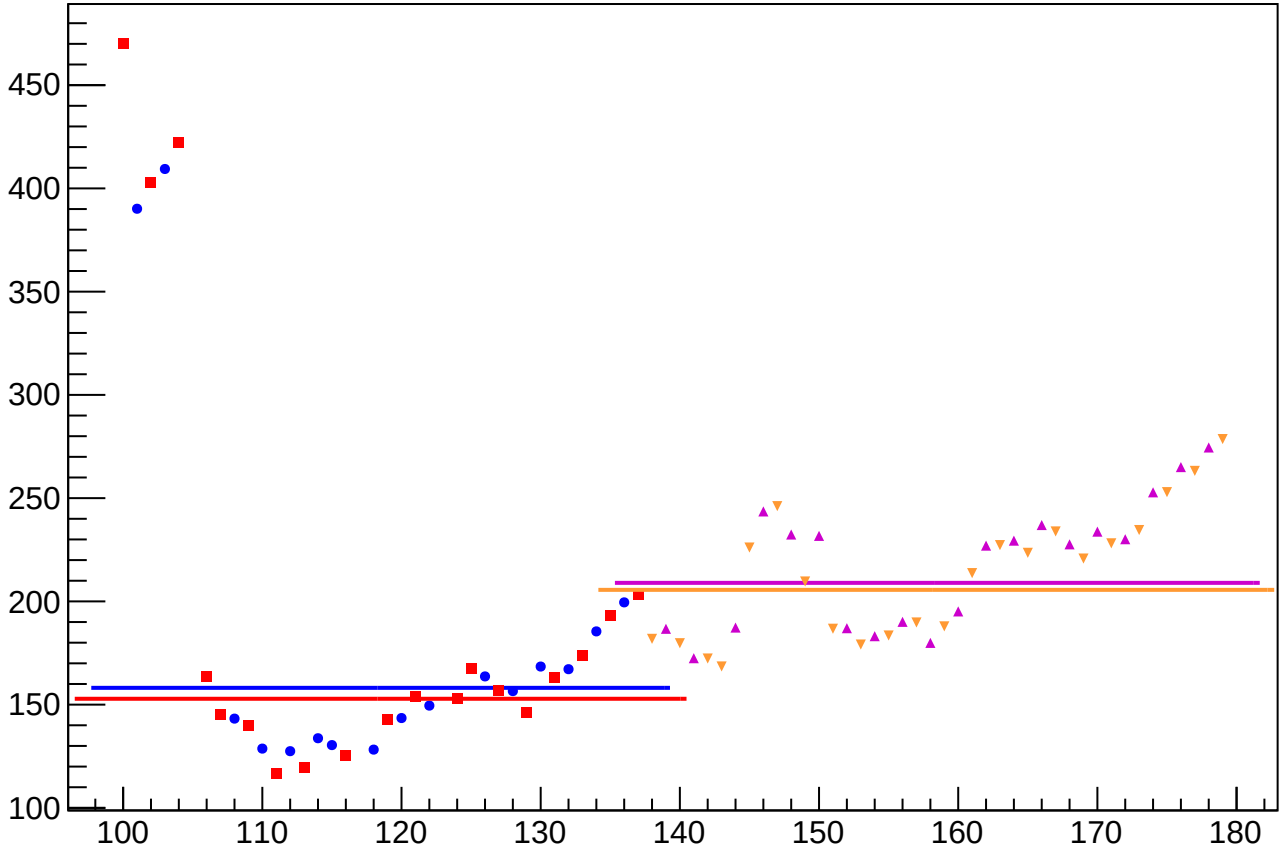
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 154114.935+/-0.040 χ^2/NDF:21849197478.5/3

Out: 154229.139+/-0.038 χ^2/NDF:23780849323.1

All: 154174.789+/-0.028 χ^2/NDF: 45634256

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 205.587+/-0.035 χ^2/NDF:671887.1/21

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 208.976+/-0.037 χ^2/NDF:602643.9/19

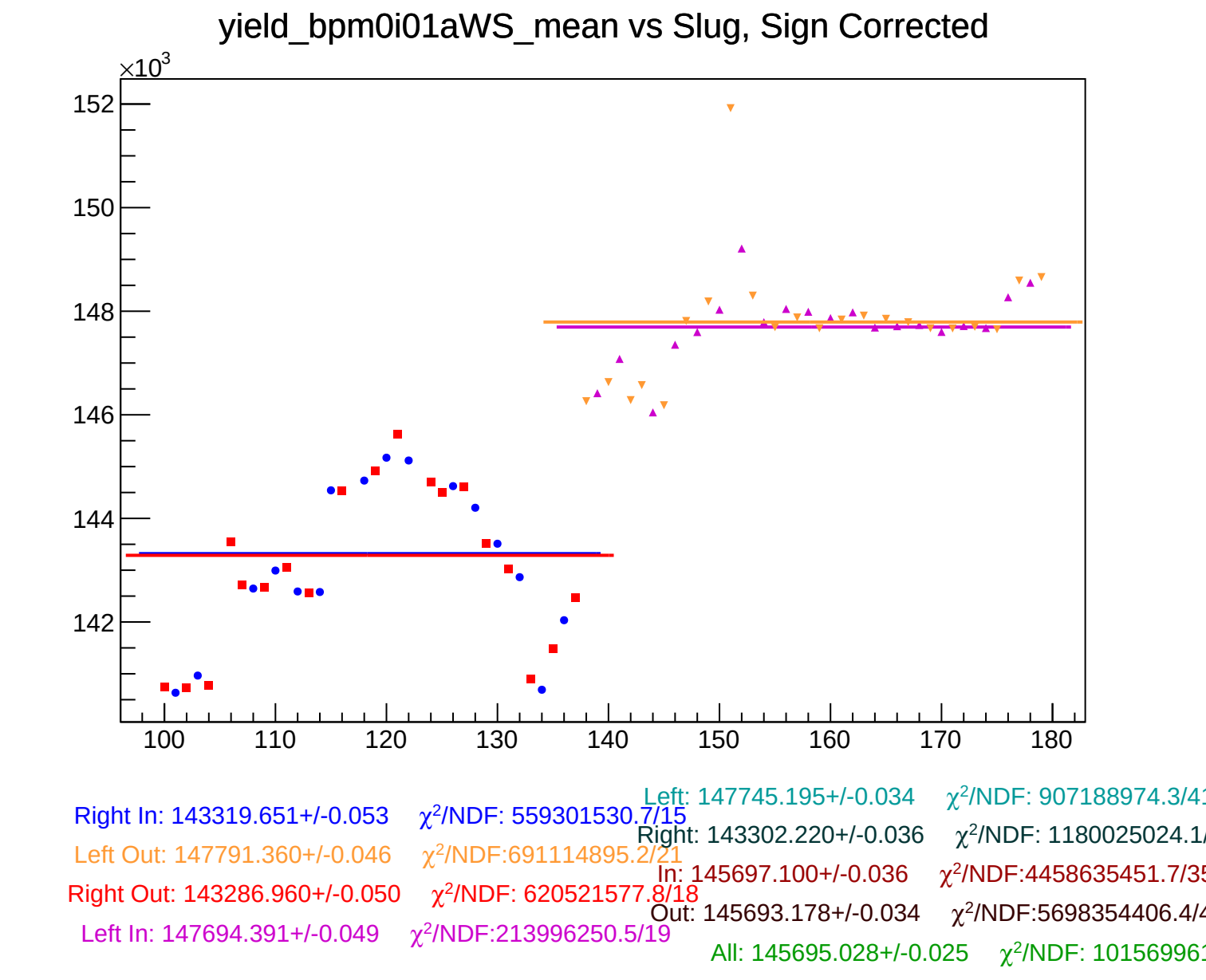
Left: 207.197+/-0.026 χ^2/NDF: 1278907.0/41

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

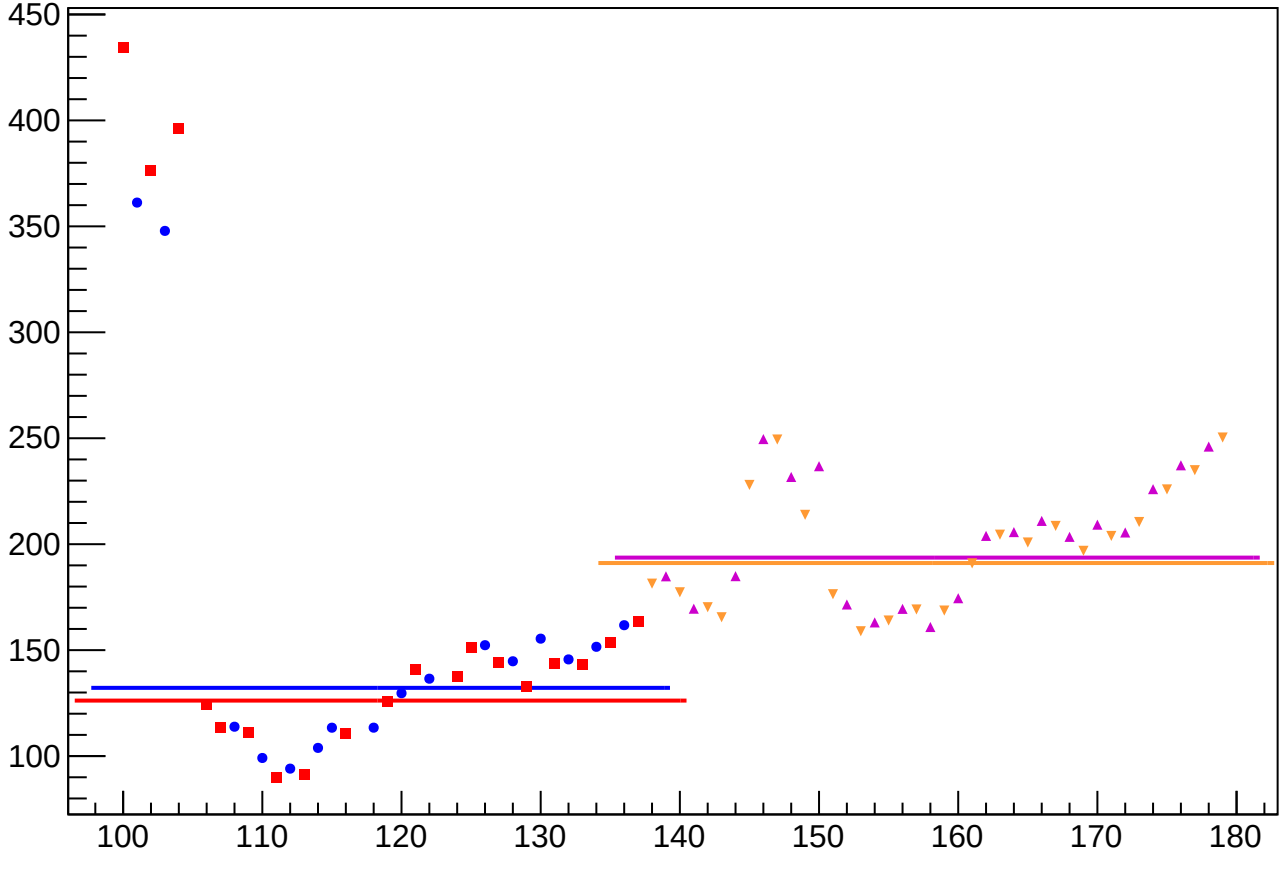
In: 188.108+/-0.028 χ^2/NDF:2568590.9/35

Out: 184.022+/-0.027 χ^2/NDF:2848117.7/40

All: 185.967+/-0.020 χ^2/NDF: 5427488.9/76


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
170
180
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147791.360+/-0.046 χ²/NDF:691114895.2/21
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147694.391+/-0.049 χ²/NDF:213996250.5/19
Left: 147745.195+/-0.034 χ²/NDF: 907188974.3/41
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 145697.100+/-0.036 χ²/NDF:4458635451.7/35
Out: 145693.178+/-0.034 χ²/NDF:5698354406.4/4
All: 145695.028+/-0.025 χ²/NDF: 10156996

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 191.109+/-0.033 χ^2/NDF:623000.0/21

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 193.666+/-0.034 χ^2/NDF:633390.4/19

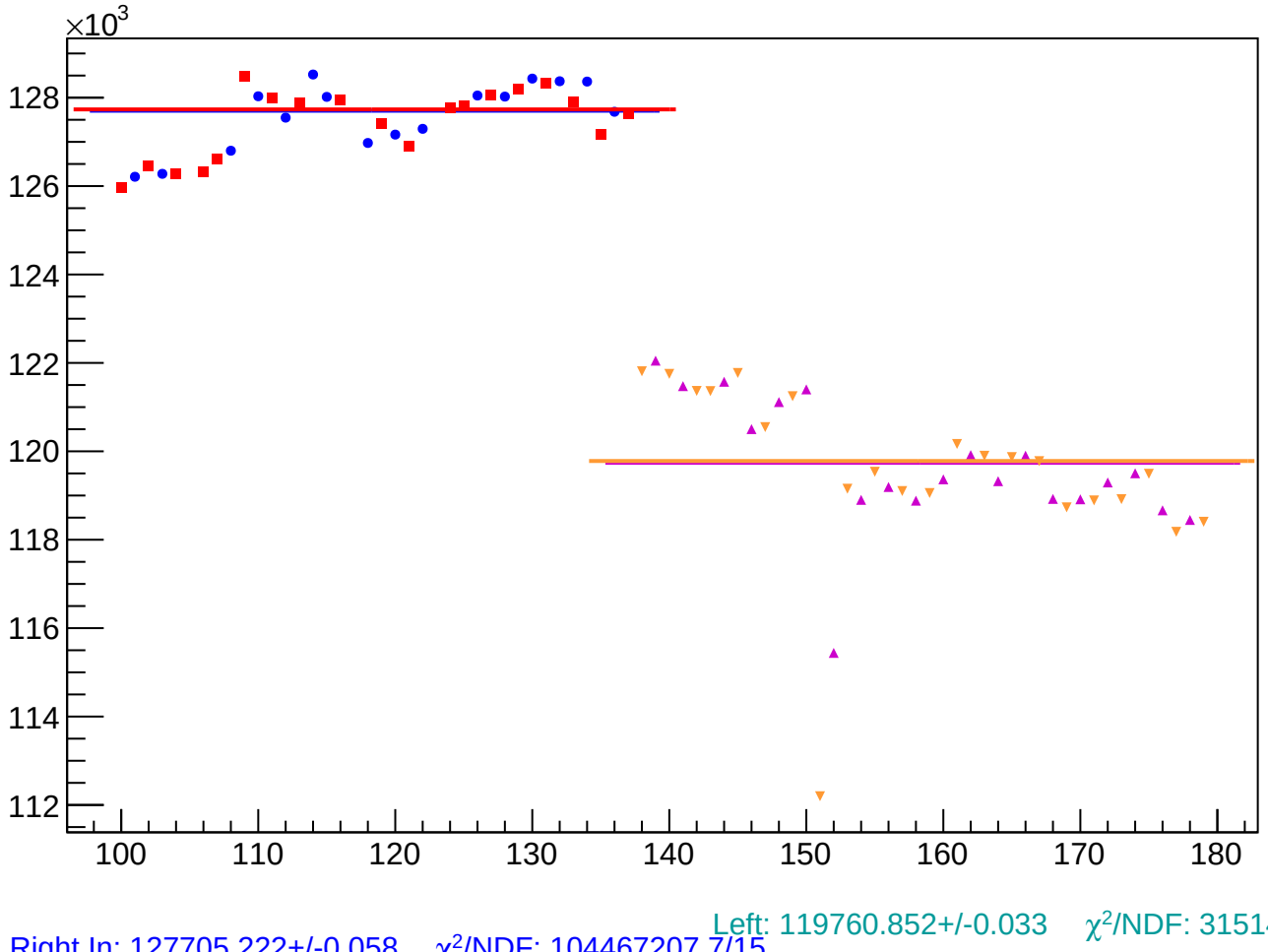
Left: 192.326+/-0.024 χ^2/NDF: 1259282.0/41

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 165.606+/-0.025 χ^2/NDF:3467414.8/35

Out: 160.870+/-0.024 χ^2/NDF:3990324.1/40

All: 163.104+/-0.017 χ^2/NDF: 7476130.7/76



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119780.858+/-0.046 χ^2/NDF:1914251148.0/21

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119740.143+/-0.047 χ^2/NDF:1236813060.6/19

Left: 119760.852+/-0.033 χ^2/NDF: 3151450916.5/4

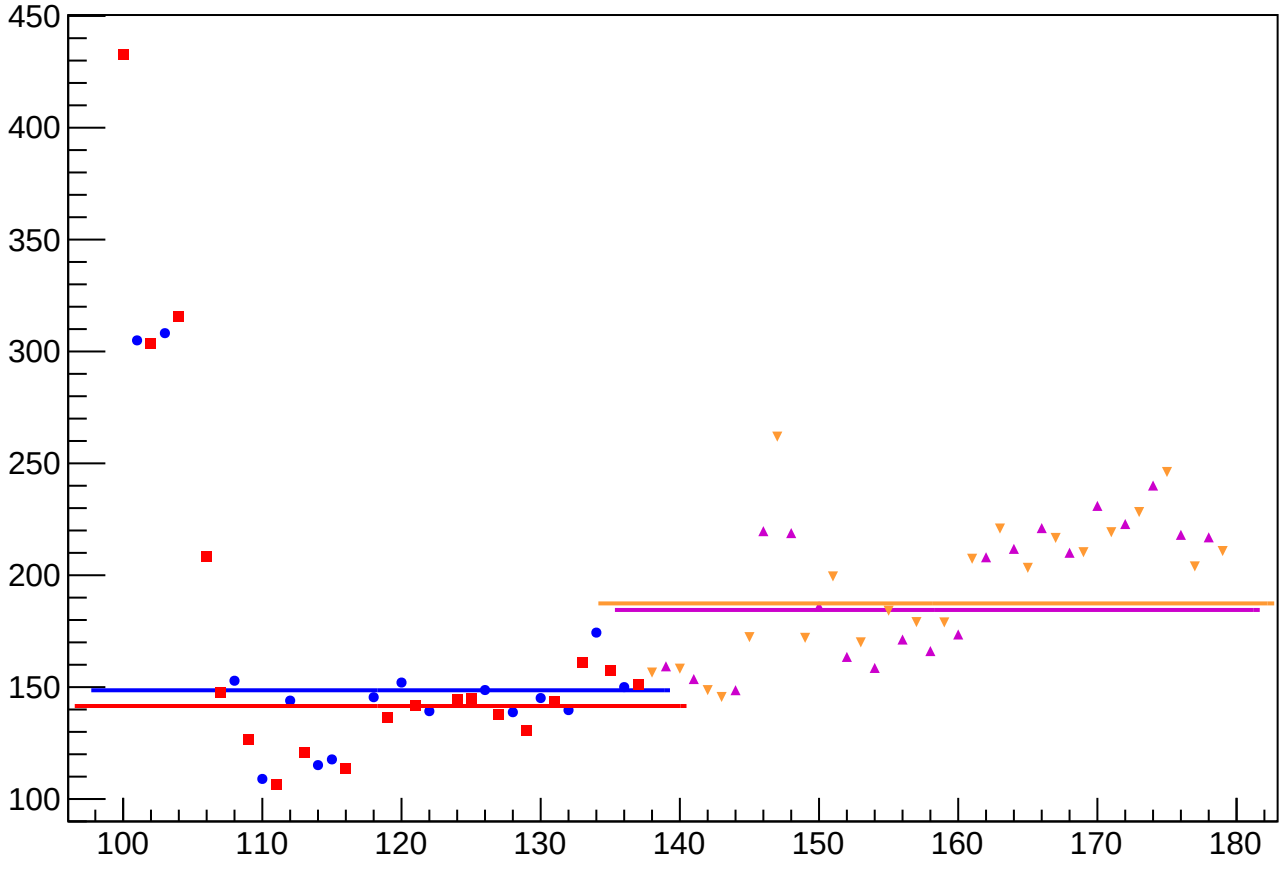
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 122845.350+/-0.036 χ^2/NDF:12684814429.9/3

Out: 123051.773+/-0.035 χ^2/NDF:14375160827.7

All: 122952.186+/-0.025 χ^2/NDF: 27076552

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 187.410+/-0.032 χ^2/NDF:802556.1/21

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 184.486+/-0.033 χ^2/NDF:774724.3/19

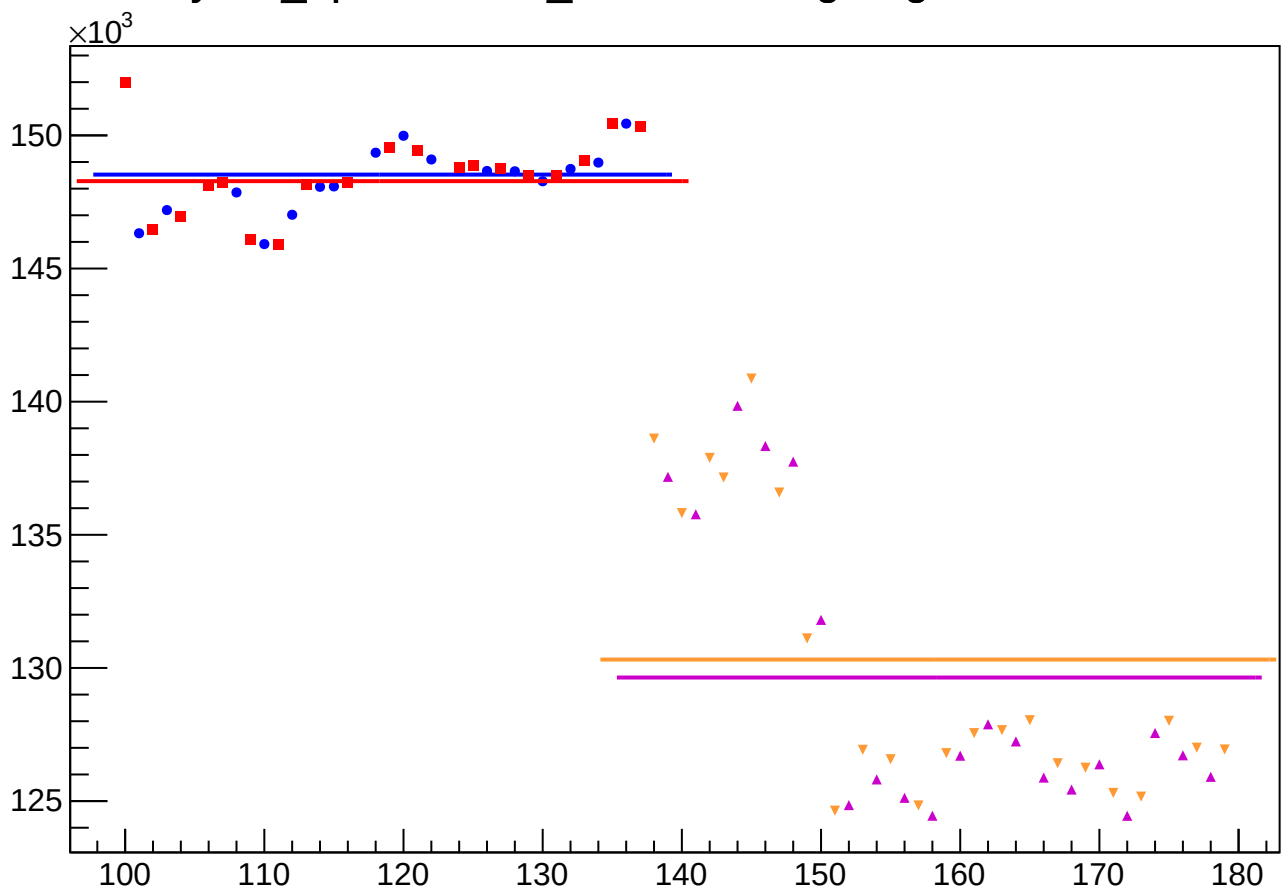
Left: 185.973+/-0.023 χ^2/NDF: 1581267.5/41

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 170.493+/-0.026 χ^2/NDF:2063137.2/35

Out: 168.556+/-0.025 χ^2/NDF:2624563.3/40

All: 169.490+/-0.018 χ^2/NDF: 4690622.1/76



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130315.433+/-0.067 χ^2/NDF:6172080776.9/21

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129640.916+/-0.068 χ^2/NDF:6366081119.8/19

Left: 129982.459+/-0.048 χ^2/NDF: 12588124728.1

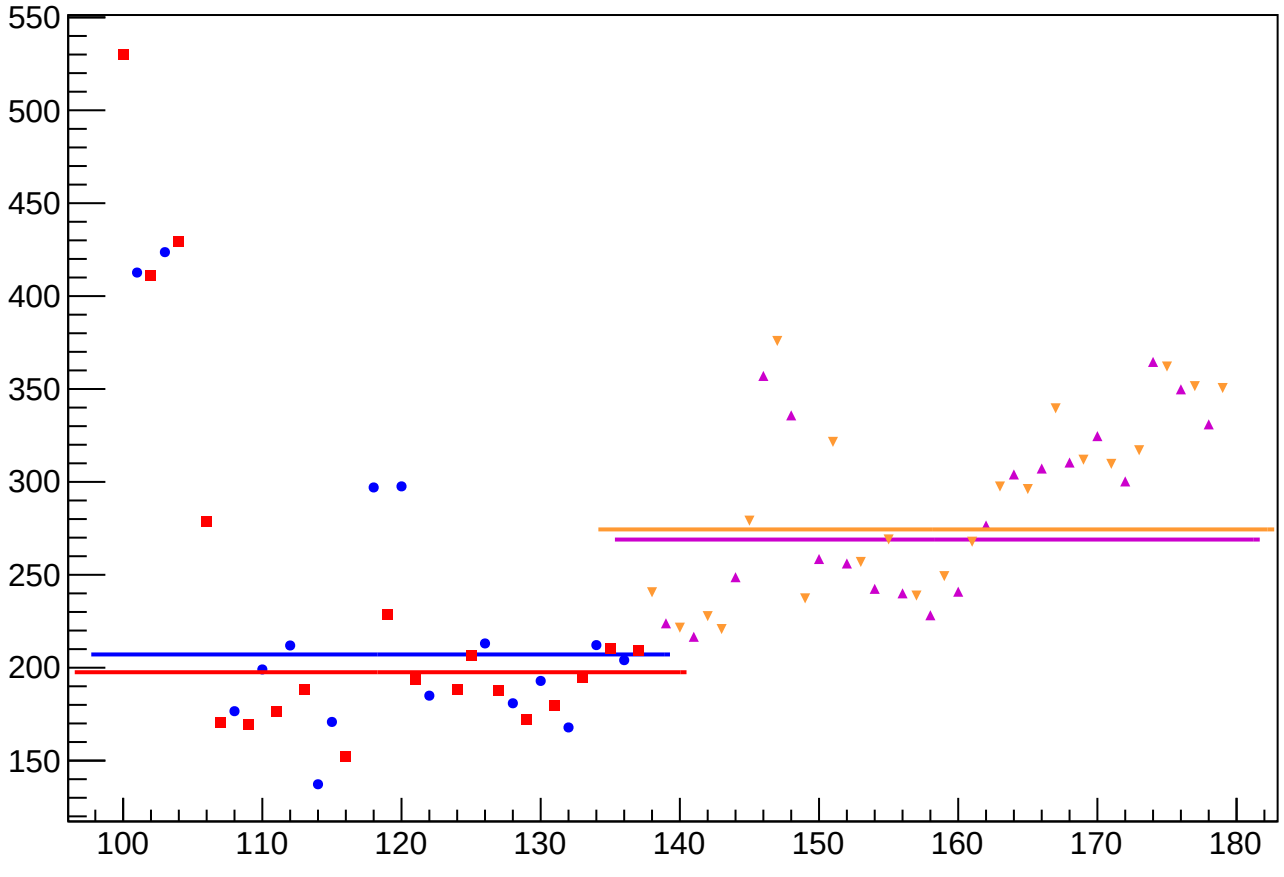
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137330.532+/-0.052 χ^2/NDF:38072411685.5/3

Out: 138108.525+/-0.050 χ^2/NDF:37613827979.5

All: 137733.397+/-0.036 χ^2/NDF: 75800894

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 274.428+/-0.047 χ^2/NDF:909786.2/21

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 268.974+/-0.048 χ^2/NDF:853678.9/19

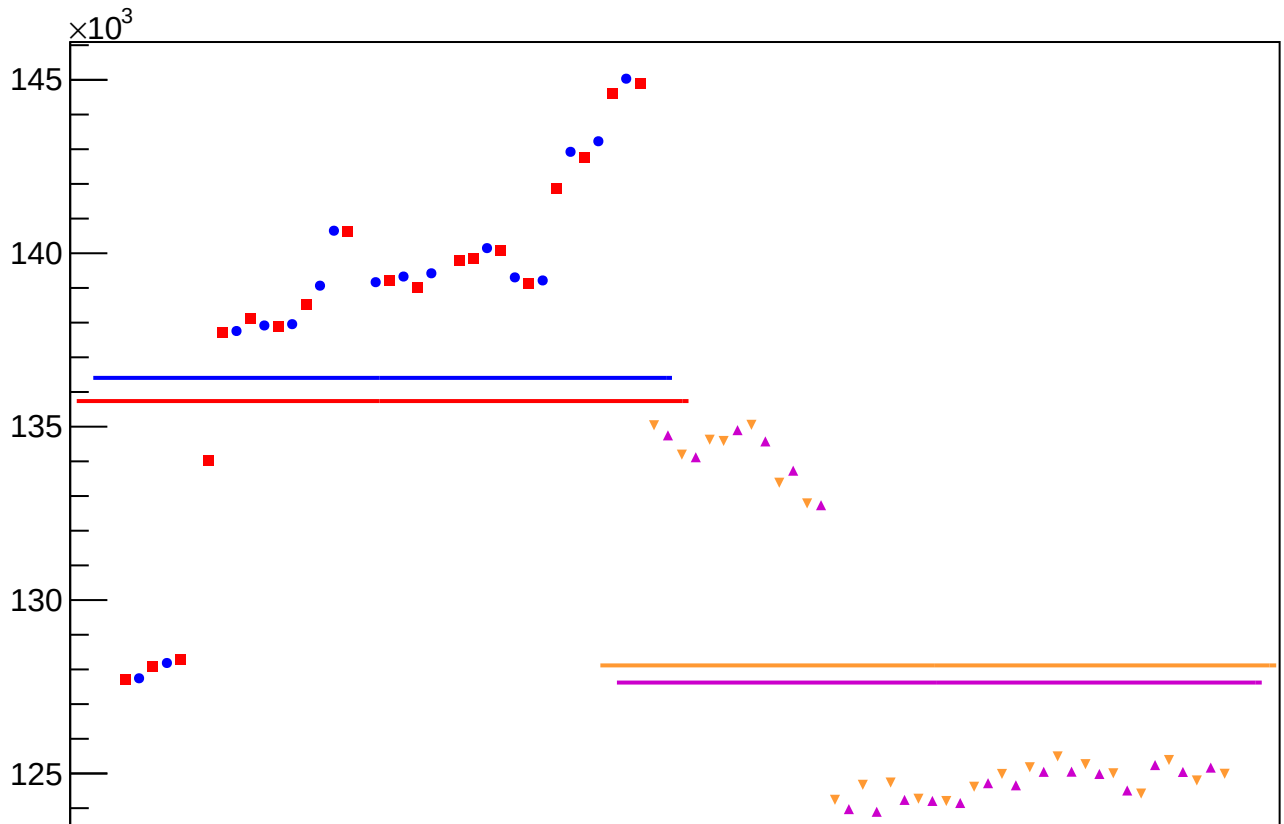
Left: 271.735+/-0.034 χ^2/NDF: 1769997.8/41

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 243.797+/-0.037 χ^2/NDF:2501216.5/35

Out: 241.091+/-0.036 χ^2/NDF:2953721.1/40

All: 242.395+/-0.026 χ^2/NDF: 5457711.5/76



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128116.110+/-0.143 χ^2/NDF:1023738876.4/21

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 127621.508+/-0.147 χ^2/NDF:915183388.9/19

Left: 127875.467+/-0.102 χ^2/NDF: 1944748591.6/4

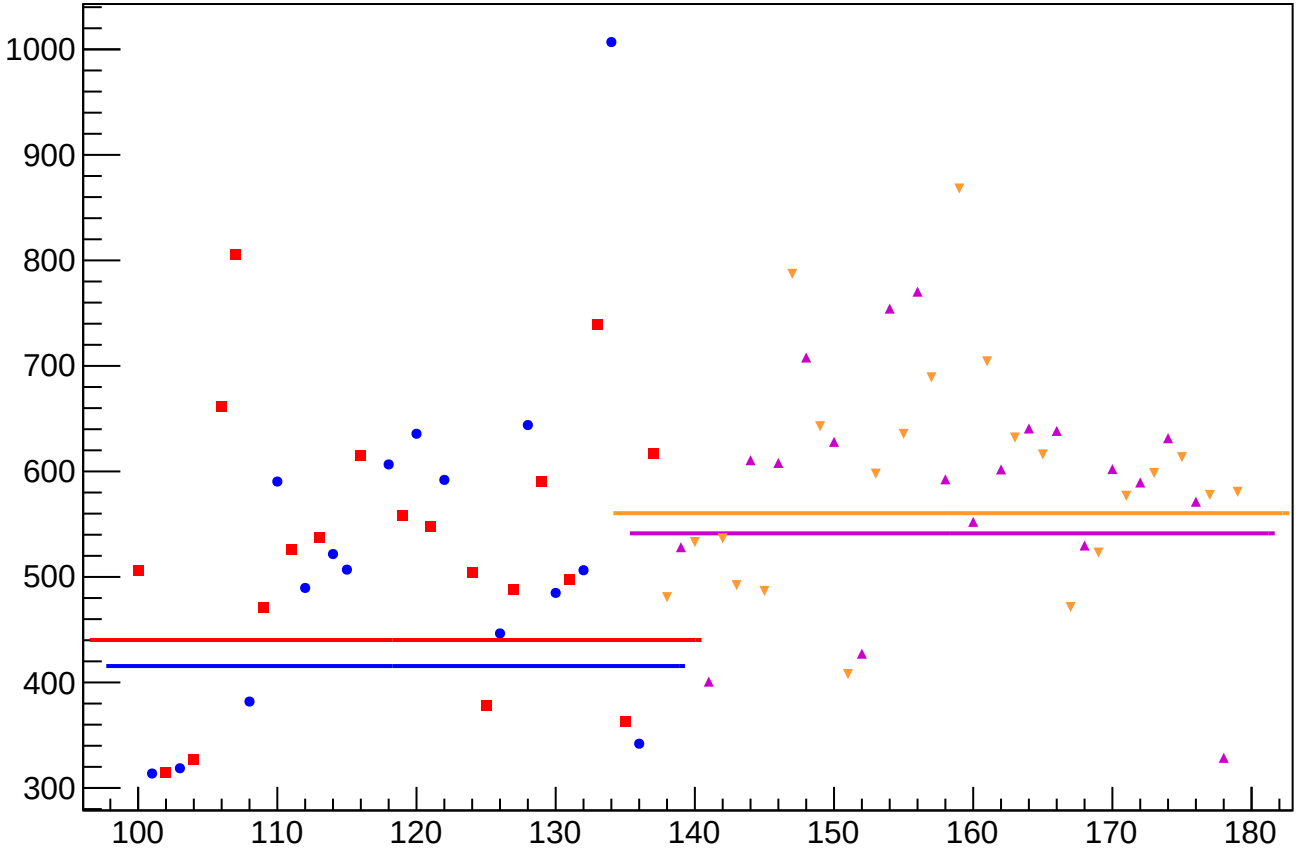
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 131411.347+/-0.111 χ^2/NDF:4036643409.9/35

Out: 131131.359+/-0.111 χ^2/NDF:3322921820.1/4

All: 131271.856+/-0.078 χ^2/NDF: 73627511

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 560.428+/-0.101 χ^2/NDF:881034.9/21

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 541.323+/-0.104 χ^2/NDF:1314797.7/19

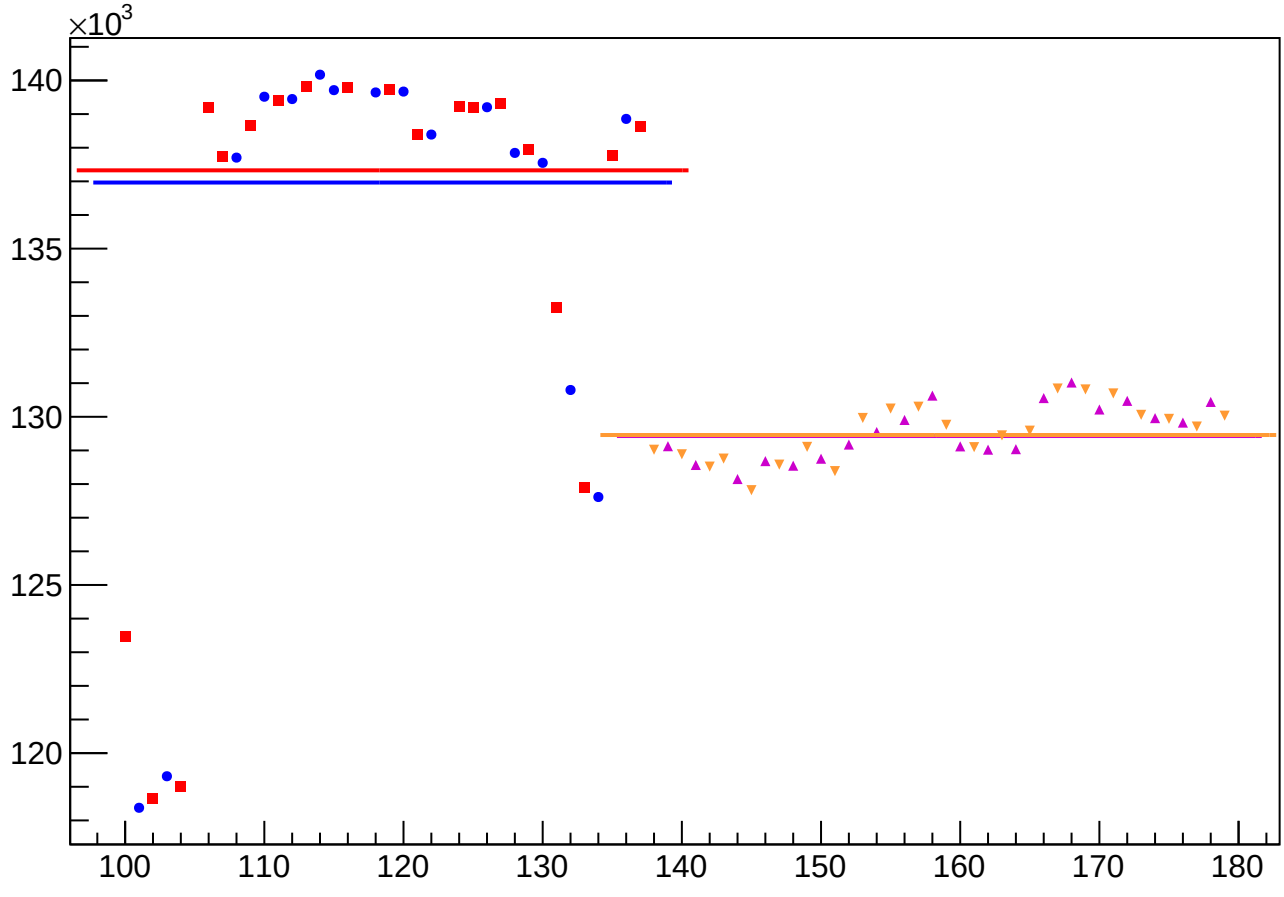
Left: 551.133+/-0.072 χ^2/NDF: 2213219.4/41

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 487.066+/-0.078 χ^2/NDF:2979471.7/35

Out: 512.875+/-0.079 χ^2/NDF:2351477.5/40

All: 499.924+/-0.055 χ^2/NDF: 5385090.5/76



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129458.232+/-0.049 χ^2/NDF:282865986.7/21

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129428.246+/-0.050 χ^2/NDF:266767261.3/19

Left: 129443.744+/-0.035 χ^2/NDF: 549817432.3/41

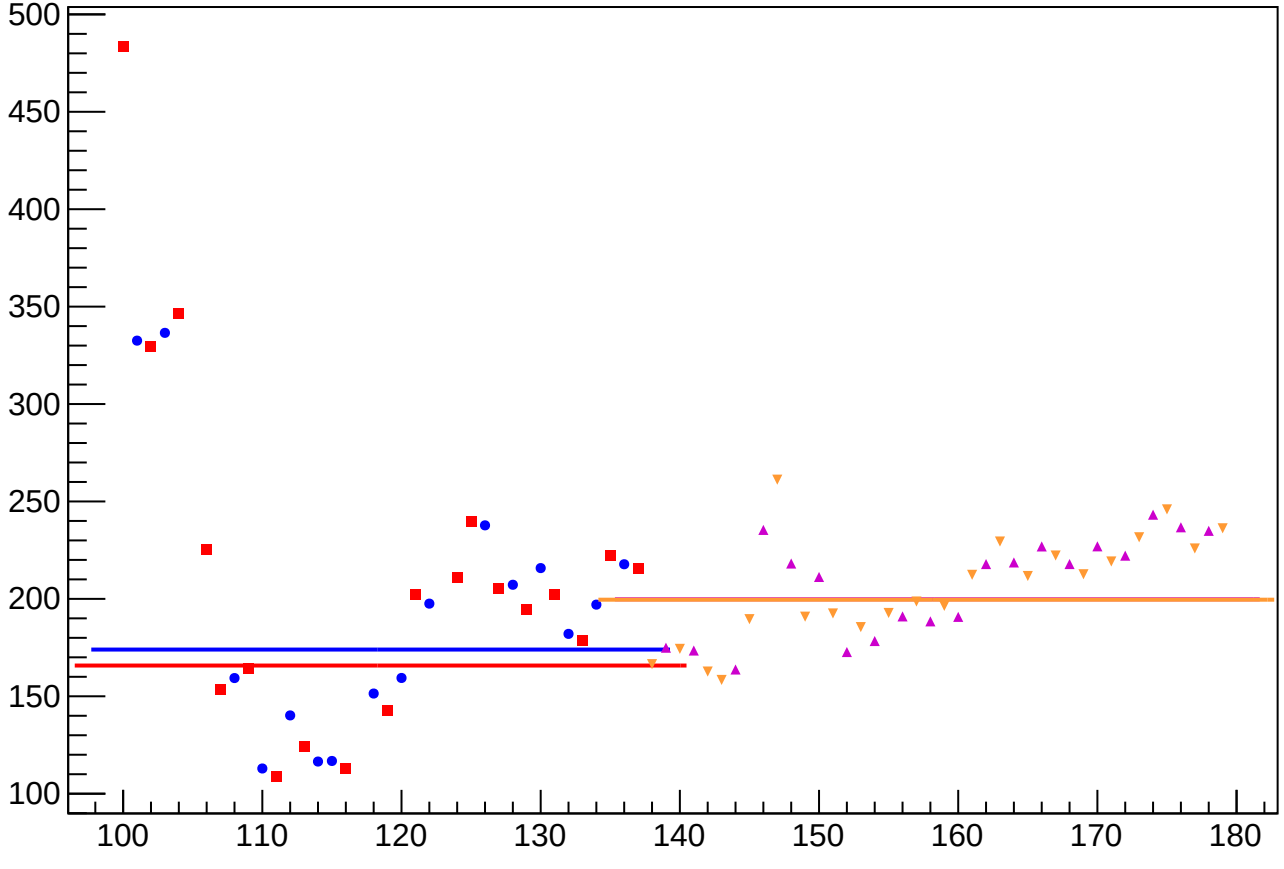
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 132003.243+/-0.041 χ^2/NDF:13765978035.6/3

Out: 132242.741+/-0.039 χ^2/NDF:15310658902.3

All: 132128.145+/-0.028 χ^2/NDF: 29094645

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 199.576+/-0.034 χ^2/NDF:580533.6/21

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 199.791+/-0.036 χ^2/NDF:504454.1/19

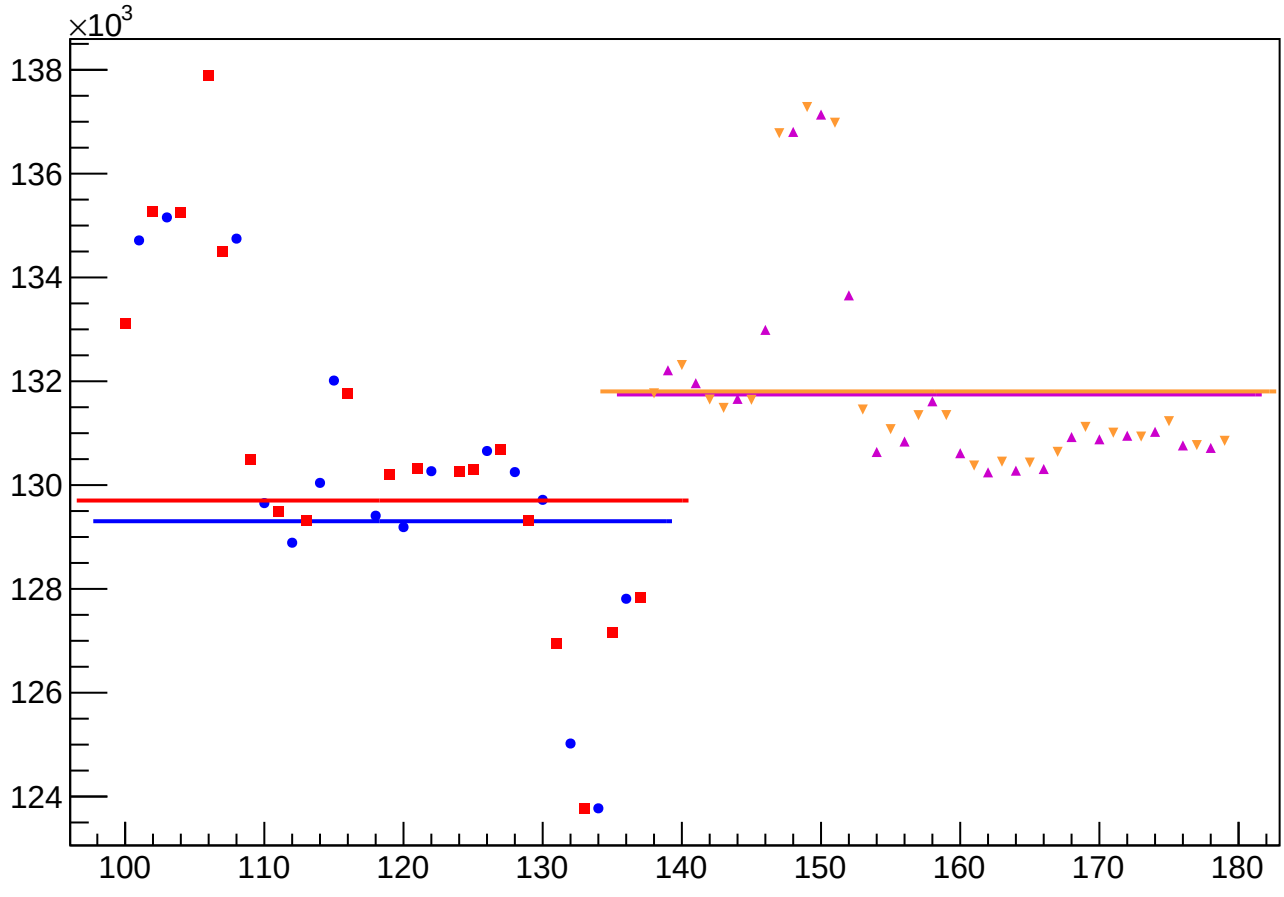
Left: 199.679+/-0.025 χ^2/NDF: 1085006.7/41

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 190.973+/-0.029 χ^2/NDF:1873336.9/35

Out: 187.617+/-0.028 χ^2/NDF:2356377.4/40

All: 189.223+/-0.020 χ^2/NDF: 4236784.2/76



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131804.532+/-0.048 χ^2/NDF:1383891920.9/21

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131745.950+/-0.050 χ^2/NDF:1121119684.0/19

Left: 131776.177+/-0.035 χ^2/NDF: 2505719566.3/4

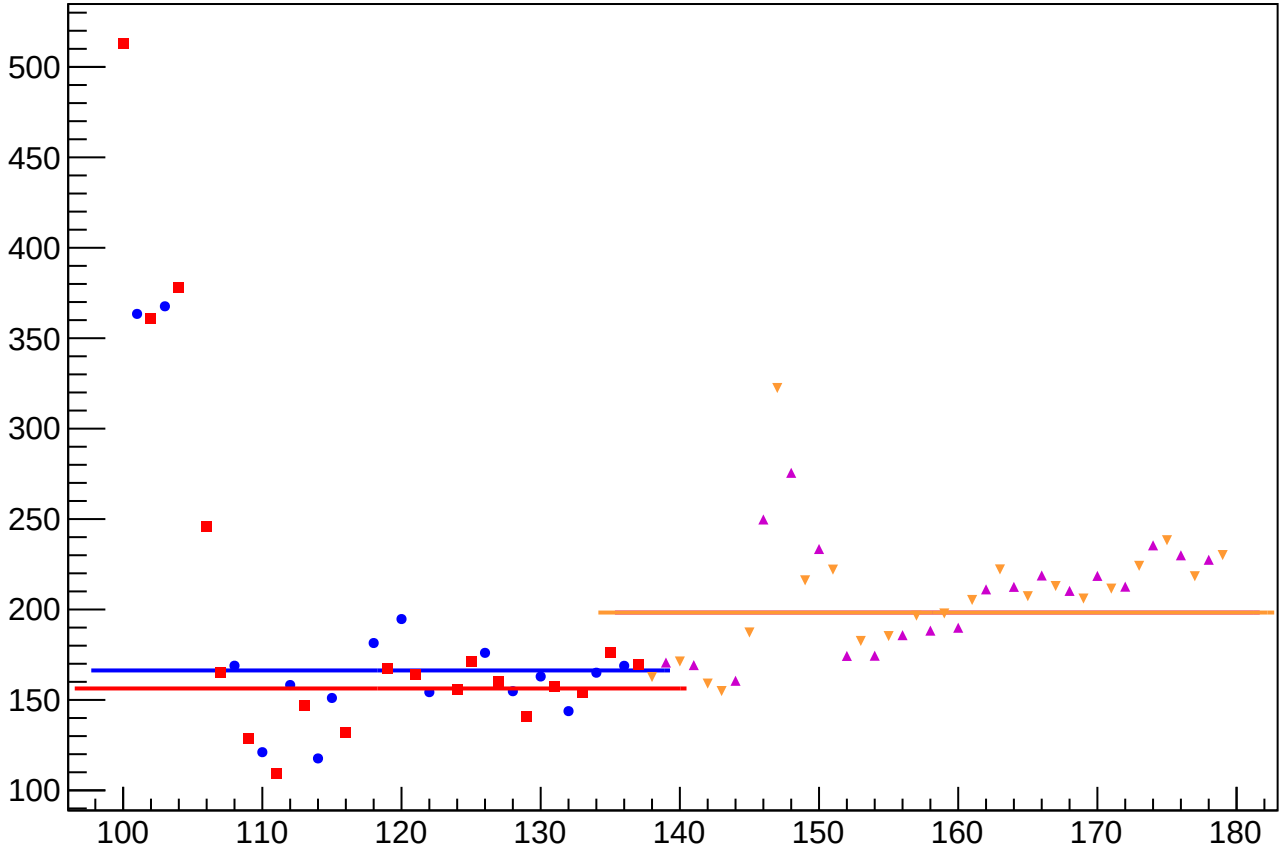
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130858.638+/-0.040 χ^2/NDF:3637688967.3/35

Out: 131000.482+/-0.038 χ^2/NDF:3881925512.0/4

All: 130932.908+/-0.028 χ^2/NDF: 75262302

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 198.317+/-0.034 χ^2/NDF:735882.3/21

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 198.323+/-0.035 χ^2/NDF:653431.5/19

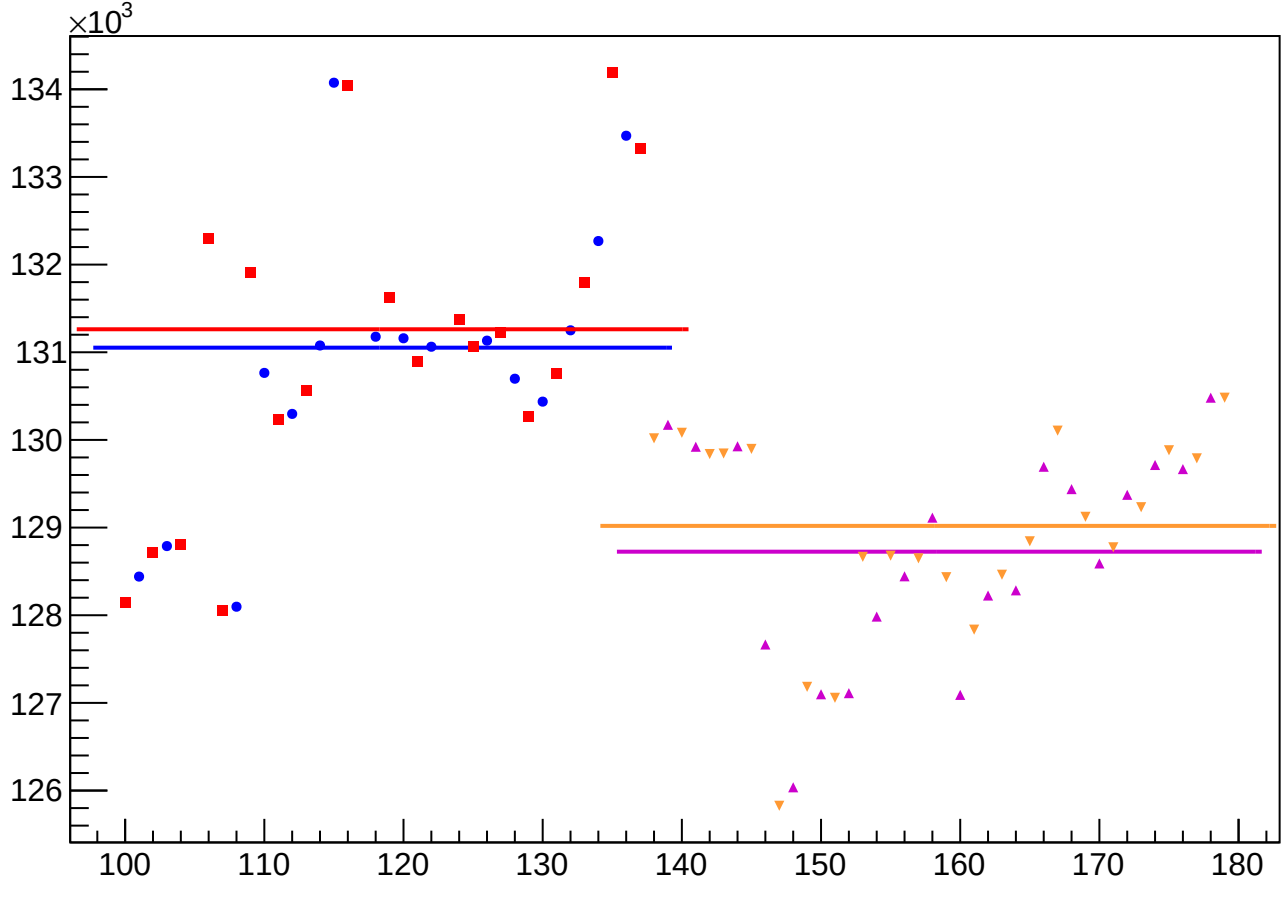
Left: 198.320+/-0.025 χ^2/NDF: 1389313.8/41

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 186.688+/-0.028 χ^2/NDF:1889271.6/35

Out: 182.257+/-0.027 χ^2/NDF:2483416.9/40

All: 184.368+/-0.019 χ^2/NDF: 4385599.6/76



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129019.305+/-0.047 χ^2/NDF:523052229.4/21

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128724.946+/-0.049 χ^2/NDF:627995536.4/19

Left: 128877.127+/-0.034 χ^2/NDF: 1170029641.8/4

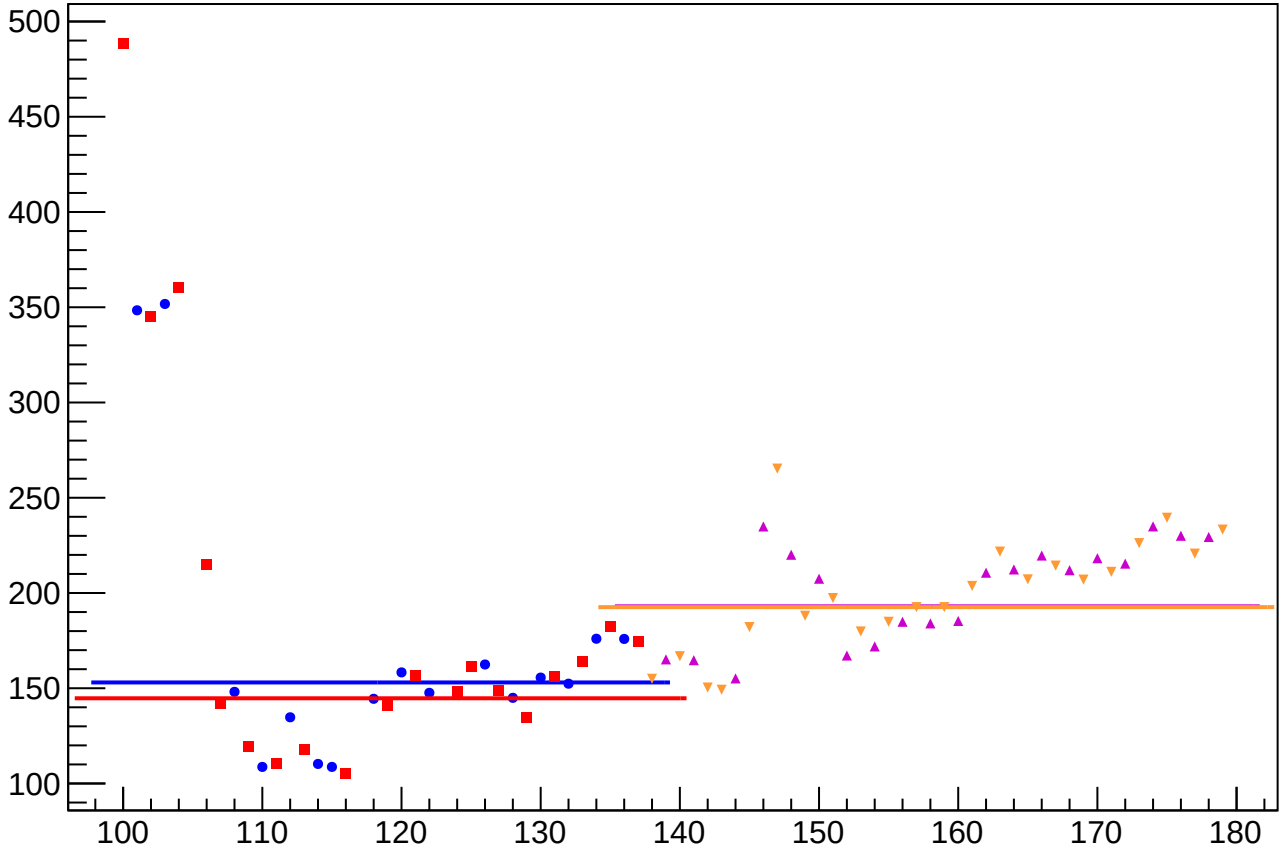
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129634.754+/-0.038 χ^2/NDF:2049005216.3/35

Out: 129932.442+/-0.036 χ^2/NDF:2056257408.5/4

All: 129790.661+/-0.026 χ^2/NDF: 41375504

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 192.576+/-0.033 χ^2/NDF:720175.6/21

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 193.007+/-0.034 χ^2/NDF:587797.9/19

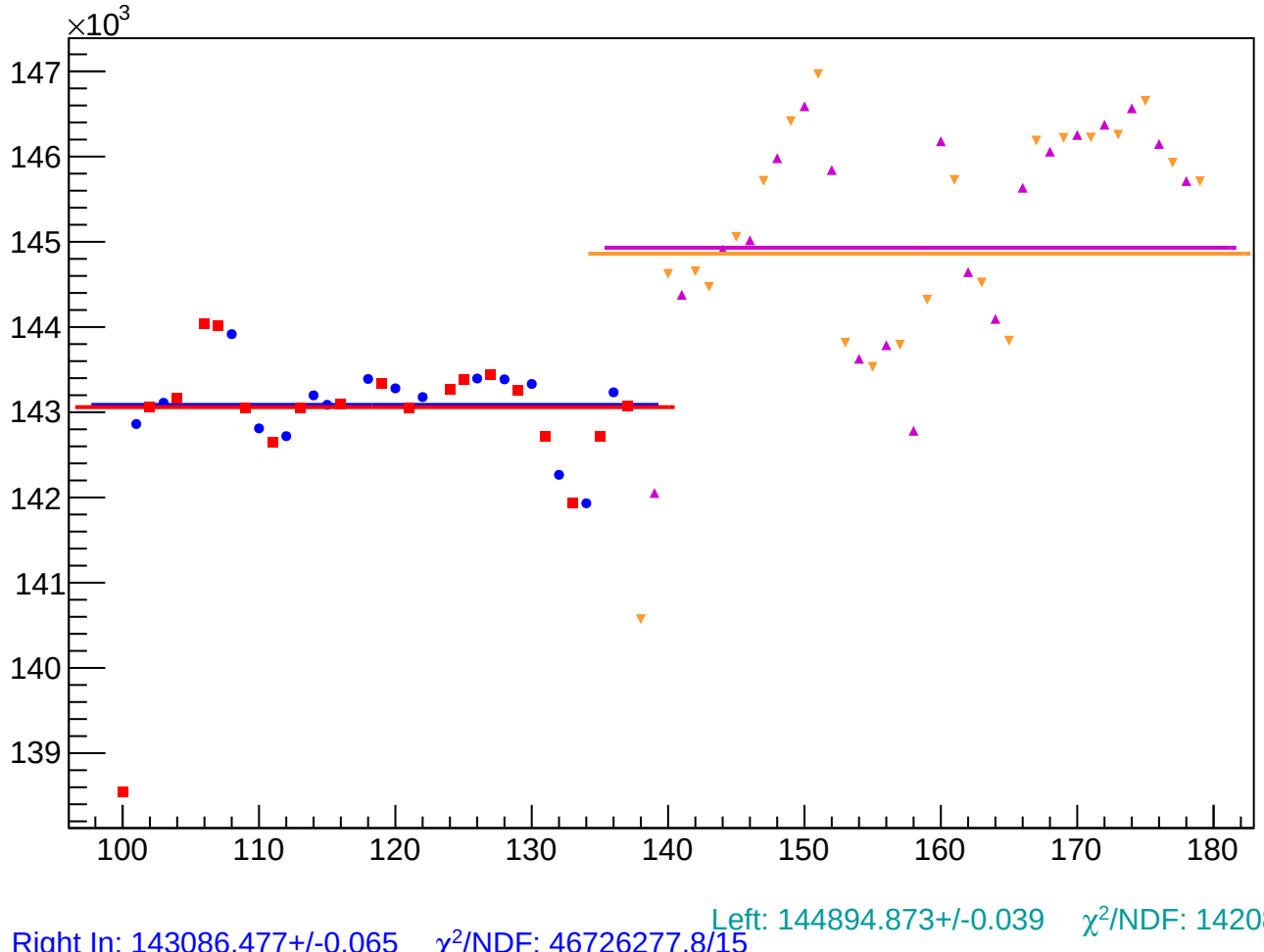
Left: 192.784+/-0.024 χ^2/NDF: 1308054.7/41

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 177.385+/-0.027 χ^2/NDF:2176368.5/35

Out: 173.097+/-0.026 χ^2/NDF:2829007.3/40

All: 175.139+/-0.019 χ^2/NDF: 5018770.4/76



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144860.772+/-0.054 χ^2/NDF:816926076.2/21

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144930.923+/-0.056 χ^2/NDF:603071481.9/19

Left: 144894.873+/-0.039 χ^2/NDF: 1420818180.4/4

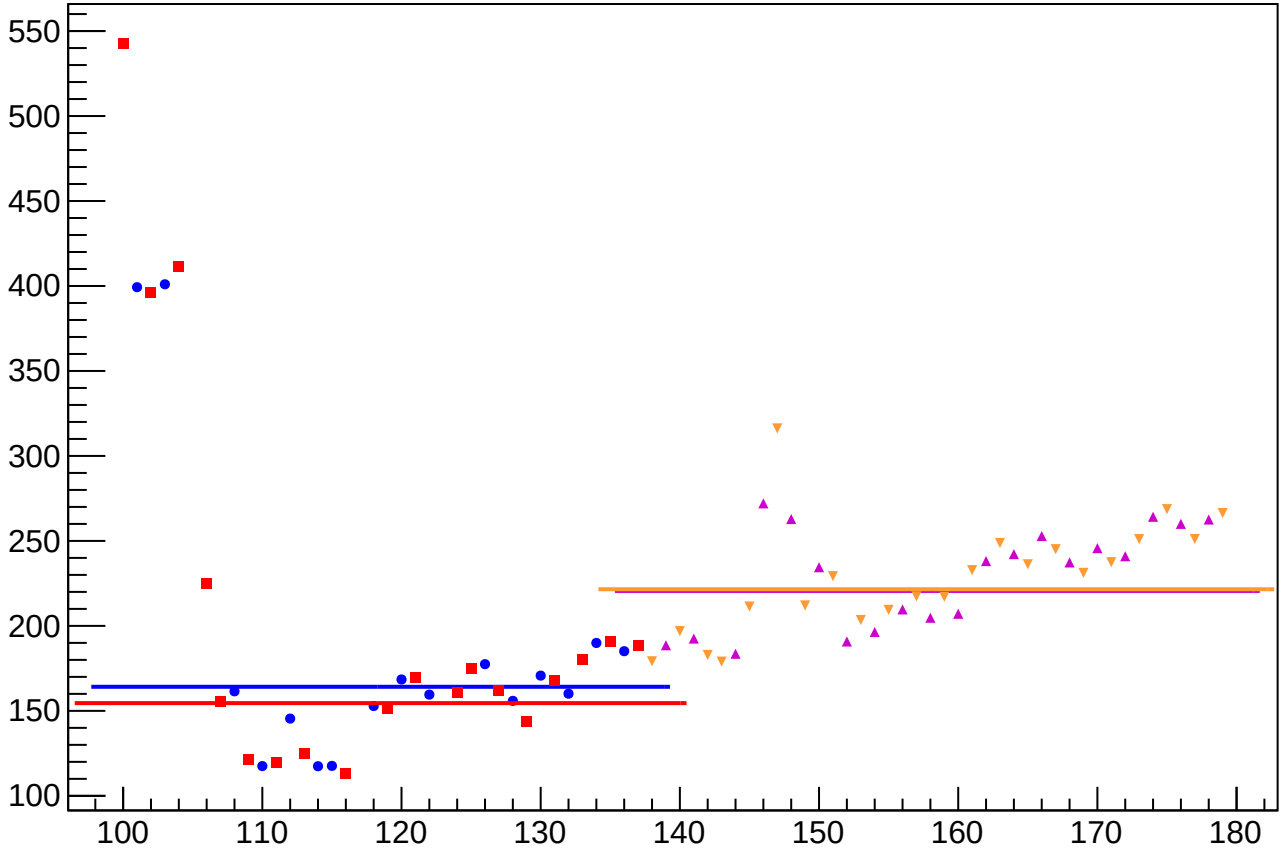
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144154.146+/-0.042 χ^2/NDF:1114701607.1/35

Out: 144064.804+/-0.040 χ^2/NDF:1360252078.9/4

All: 144107.413+/-0.029 χ^2/NDF: 24772941

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 221.559+/-0.038 χ^2/NDF:603866.6/21

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 220.564+/-0.039 χ^2/NDF:545523.0/19

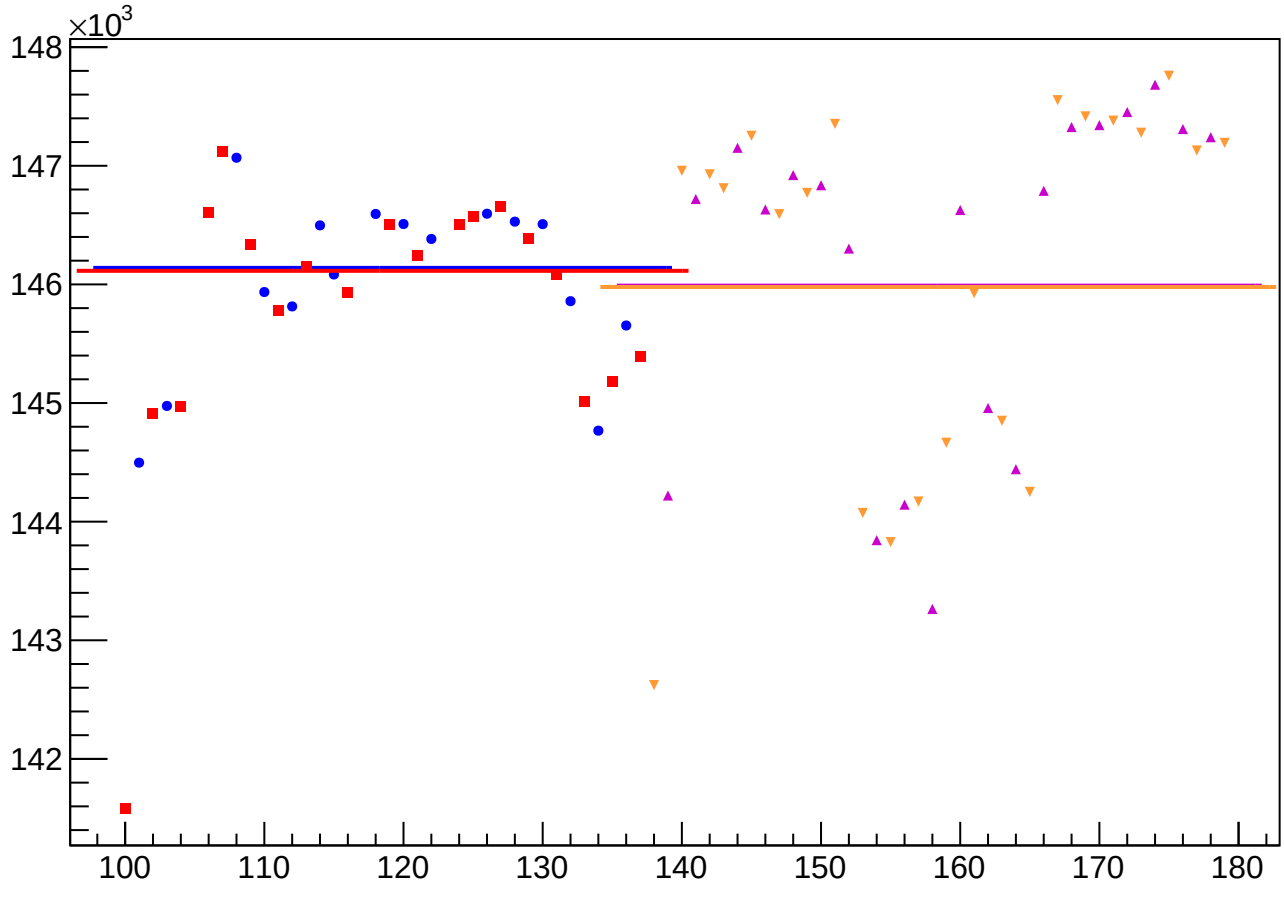
Left: 221.075+/-0.027 χ^2/NDF: 1149720.1/41

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 196.812+/-0.030 χ^2/NDF:2544602.4/35

Out: 191.939+/-0.029 χ^2/NDF:3332241.3/40

All: 194.263+/-0.021 χ^2/NDF: 5890770.6/76



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145978.096+/-0.054 χ^2/NDF:859627756.9/21

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145989.603+/-0.055 χ^2/NDF:675230190.4/19

Left: 145983.663+/-0.039 χ^2/NDF: 1534880146.2/4

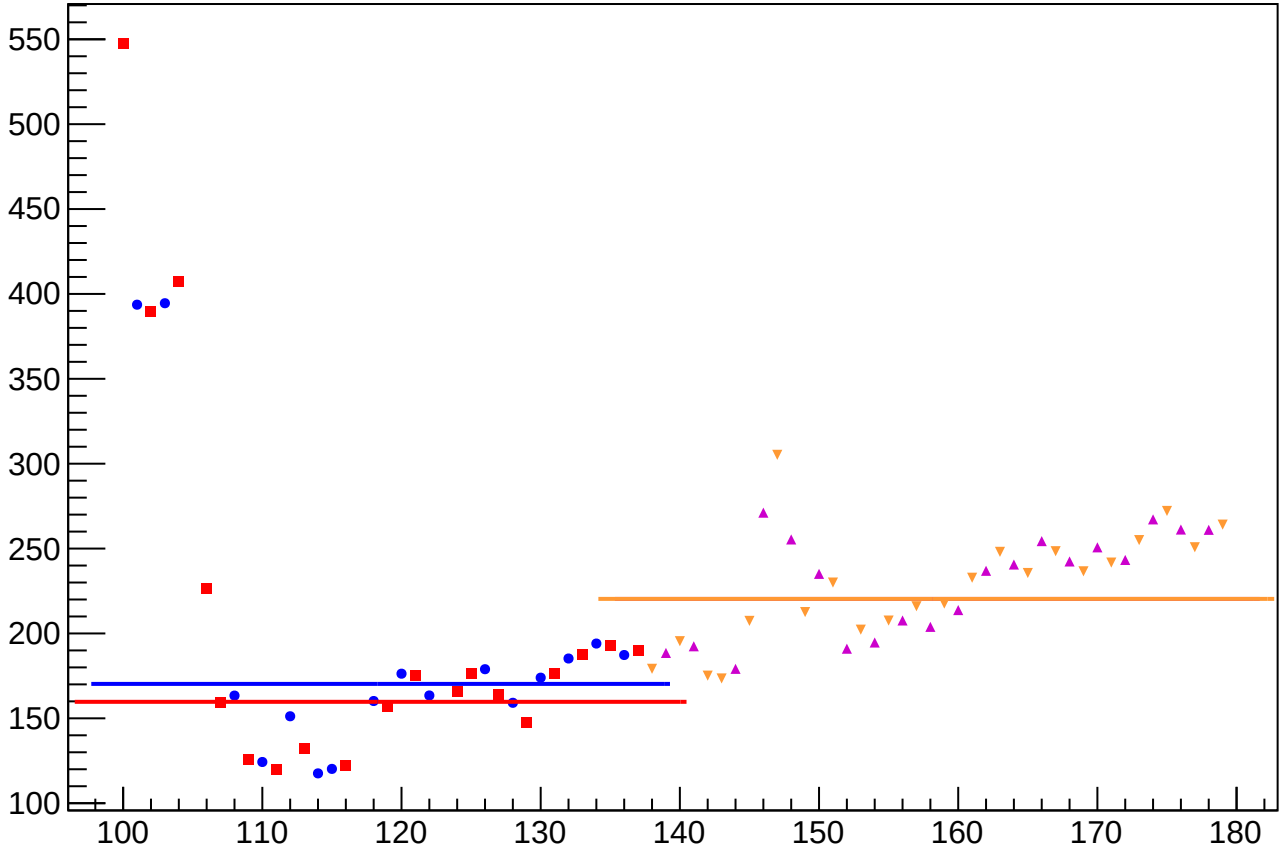
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146050.064+/-0.043 χ^2/NDF:749890026.6/35

Out: 146036.054+/-0.041 χ^2/NDF:935468575.7/40

All: 146042.707+/-0.030 χ^2/NDF: 16854147

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 220.359+/-0.038 χ^2/NDF:662622.0/21

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 220.319+/-0.039 χ^2/NDF:575160.5/19

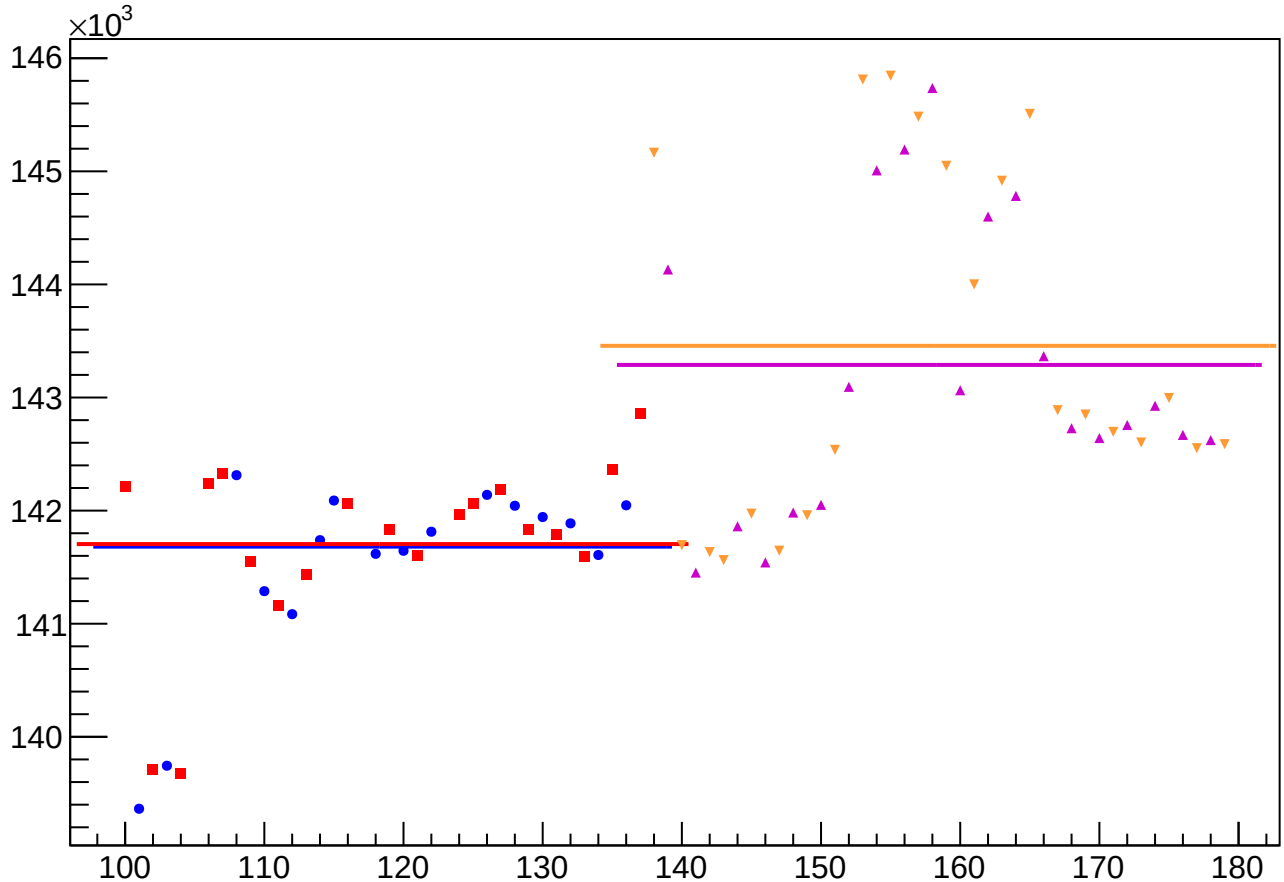
Left: 220.340+/-0.027 χ^2/NDF: 1237783.0/41

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 200.100+/-0.030 χ^2/NDF:2289927.4/35

Out: 194.587+/-0.029 χ^2/NDF:3036960.0/40

All: 197.205+/-0.021 χ^2/NDF: 5344278.5/76



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143457.280+/-0.056 χ^2/NDF:760641090.9/21

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143288.298+/-0.057 χ^2/NDF:519920321.1/19

Left: 143374.844+/-0.040 χ^2/NDF: 1285063320.5/4

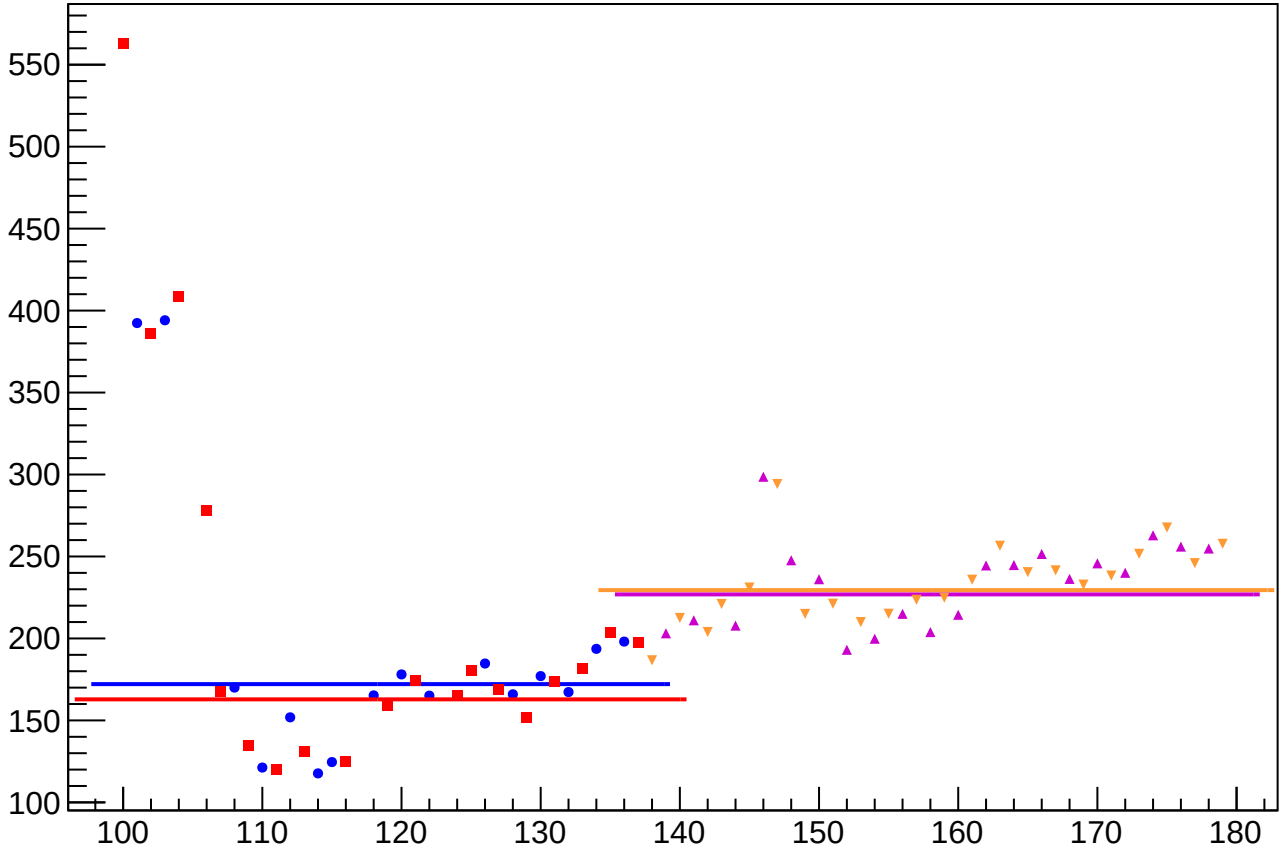
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142628.483+/-0.044 χ^2/NDF:910495659.8/35

Out: 142700.072+/-0.042 χ^2/NDF:1255171881.3/4

All: 142665.803+/-0.030 χ^2/NDF: 21670631

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 229.485+/-0.039 χ^2/NDF:319971.2/21

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 226.878+/-0.040 χ^2/NDF:387436.8/19

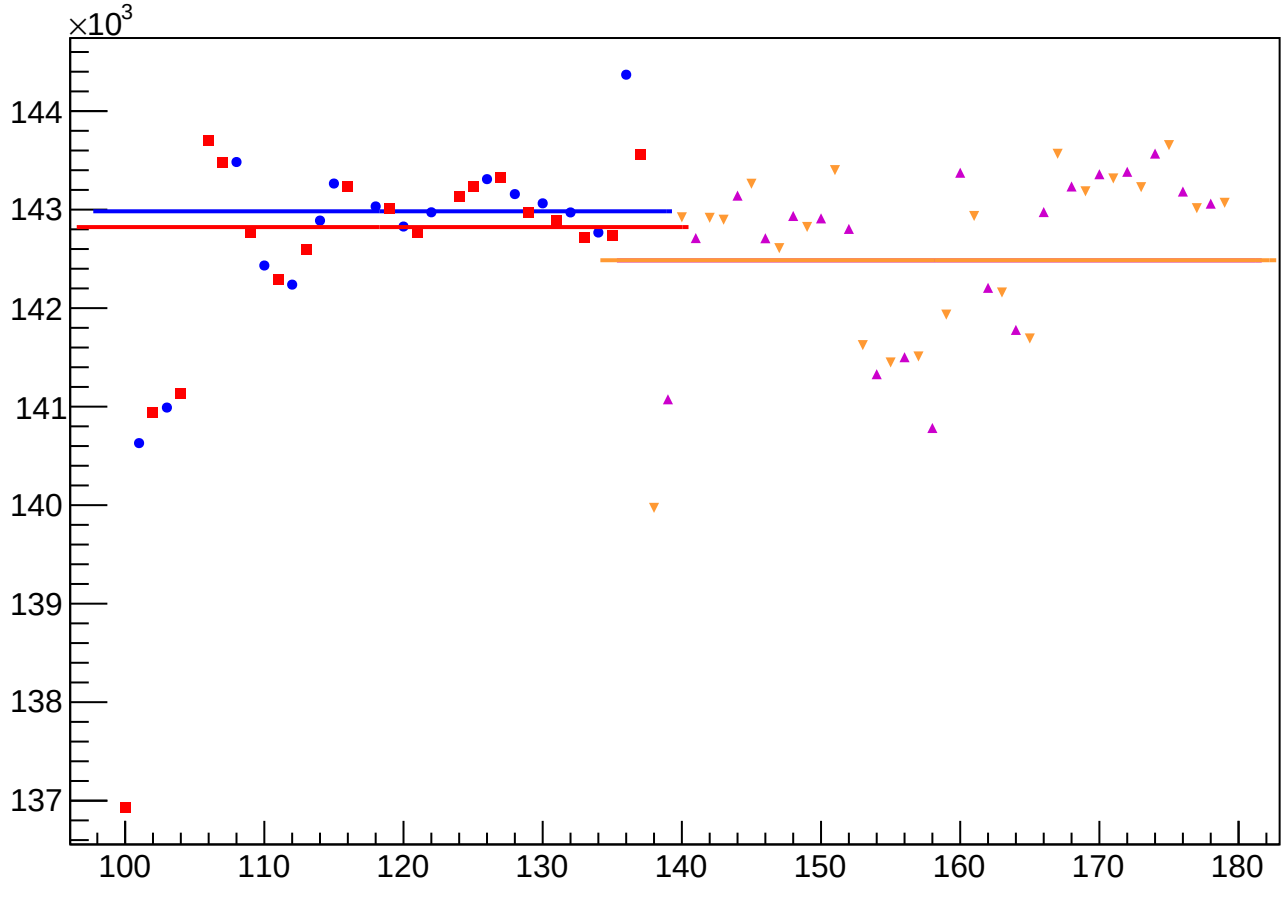
Left: 228.213+/-0.028 χ^2/NDF: 709551.7/41

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 204.395+/-0.031 χ^2/NDF:2213691.5/35

Out: 200.701+/-0.030 χ^2/NDF:2865637.2/40

All: 202.469+/-0.021 χ^2/NDF: 5086759.3/76



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142486.158+/-0.053 χ^2/NDF:334430674.9/21

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142484.137+/-0.054 χ^2/NDF:263959770.9/19

Left: 142485.180+/-0.038 χ^2/NDF: 598391159.9/41

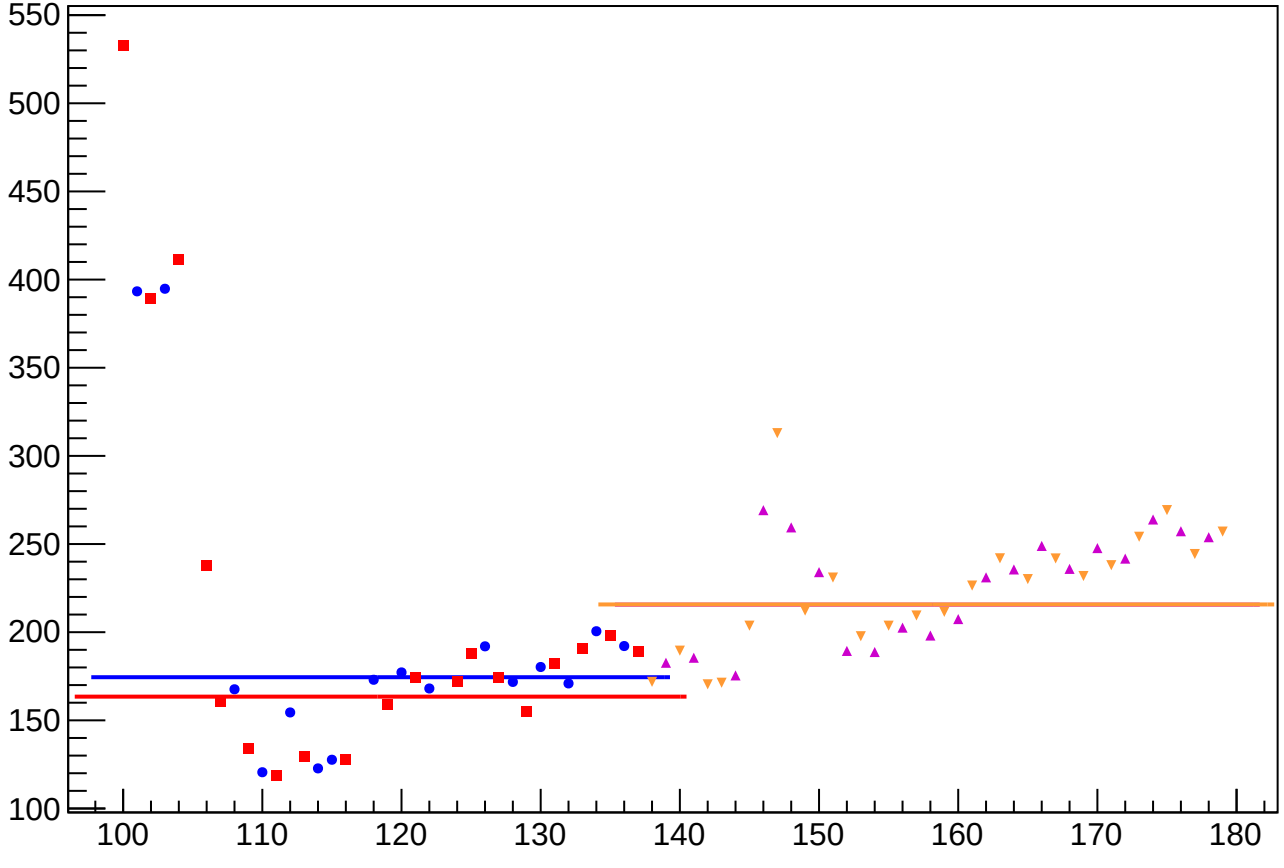
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142674.615+/-0.043 χ^2/NDF:403866696.4/35

Out: 142621.759+/-0.041 χ^2/NDF:414508873.5/40

All: 142646.881+/-0.029 χ^2/NDF: 81917938

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 215.736+/-0.037 χ^2/NDF:721293.1/21

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 215.627+/-0.038 χ^2/NDF:630337.1/19

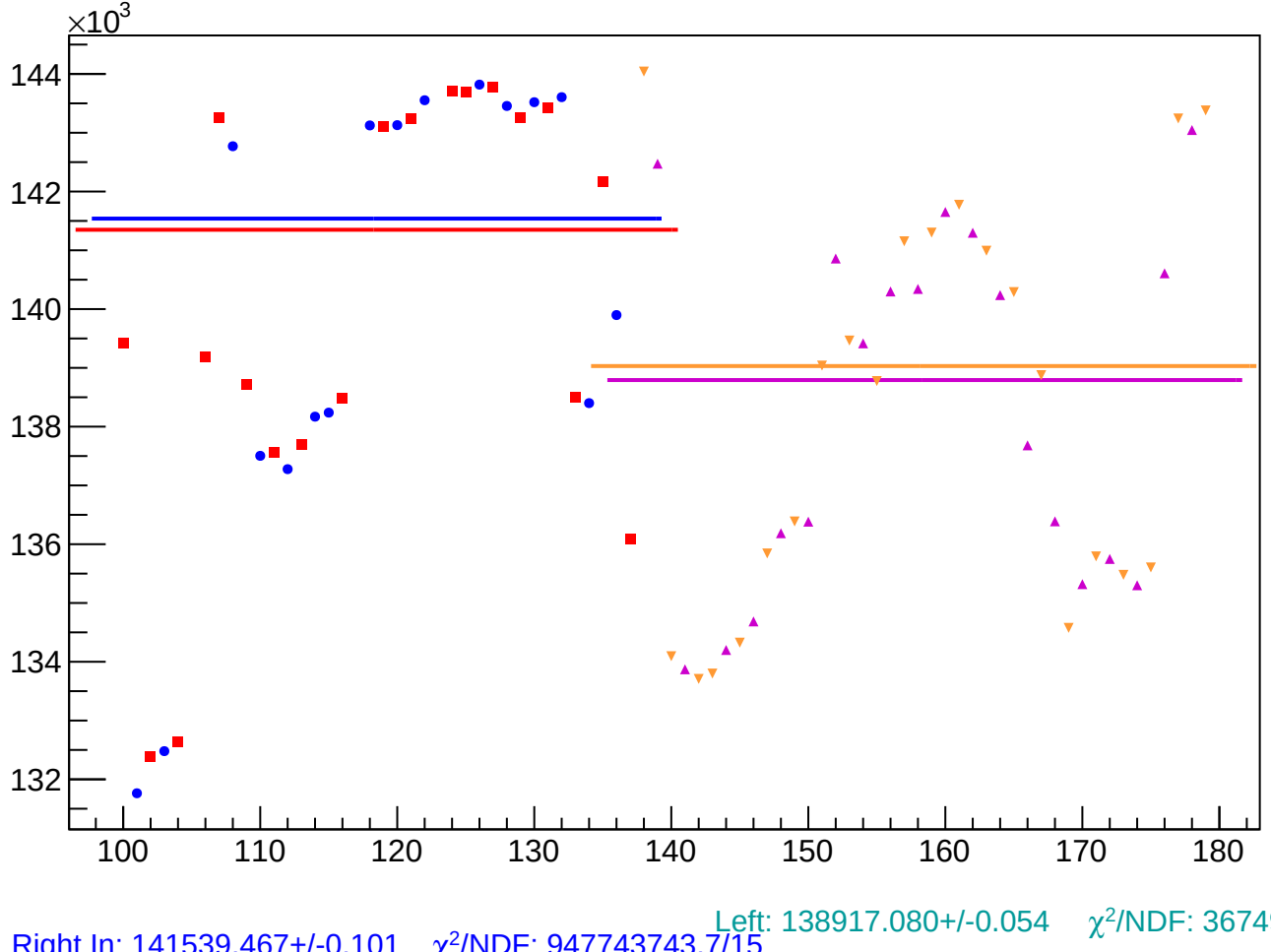
Left: 215.683+/-0.027 χ^2/NDF: 1351634.4/41

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 199.911+/-0.030 χ^2/NDF:2118002.7/35

Out: 194.670+/-0.029 χ^2/NDF:2800117.0/40

All: 197.161+/-0.021 χ^2/NDF: 4933928.7/76



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139030.912+/-0.075 χ^2/NDF:2174373722.4/21

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138792.642+/-0.078 χ^2/NDF:1495702416.2/19

Left: 138917.080+/-0.054 χ^2/NDF: 3674914795.9/4

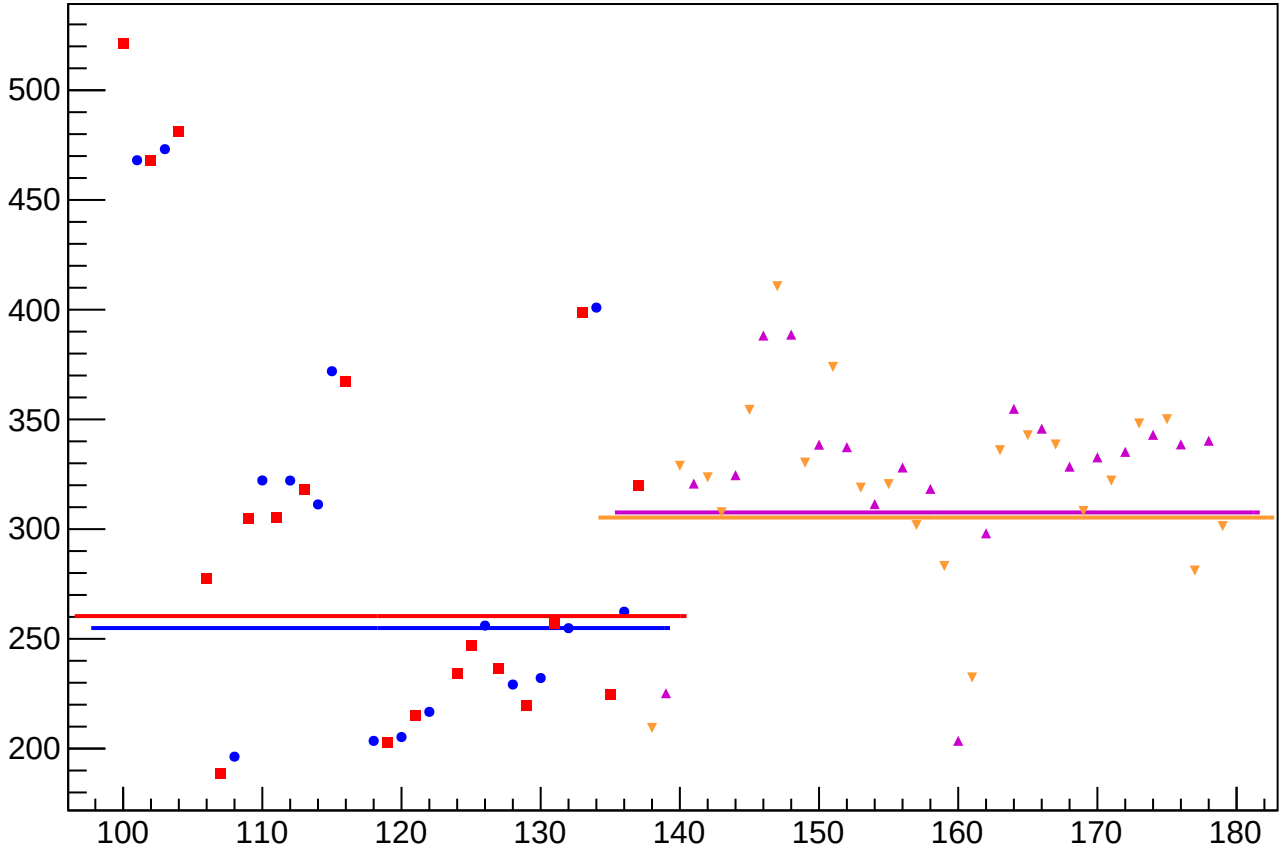
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139825.866+/-0.062 χ^2/NDF:2906603236.6/35

Out: 139852.573+/-0.060 χ^2/NDF:3440903035.1/4

All: 139839.585+/-0.043 χ^2/NDF: 634760212

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.281+/-0.053 χ^2/NDF:815324.3/21

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 307.607+/-0.055 χ^2/NDF:937387.6/19

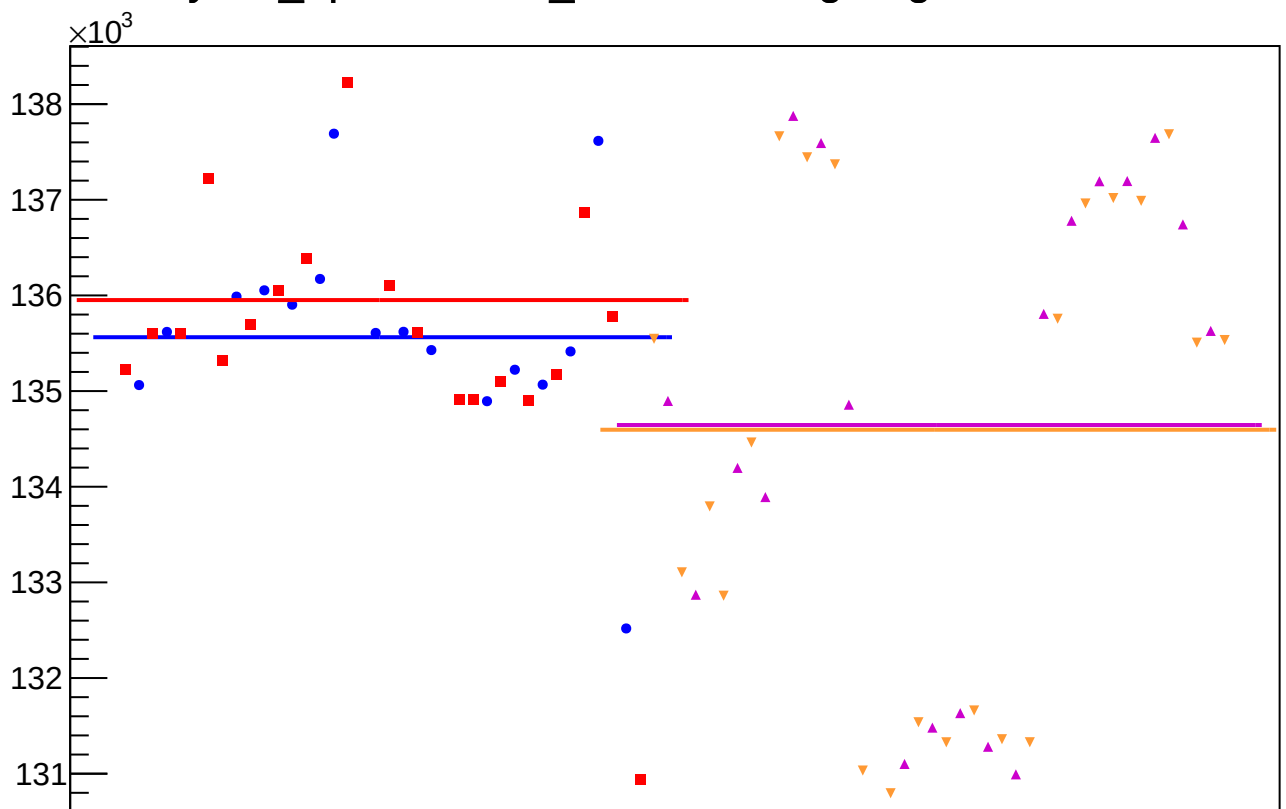
Left: 306.392+/-0.038 χ^2/NDF: 1753634.3/41

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 287.788+/-0.044 χ^2/NDF:2228152.3/35

Out: 289.365+/-0.043 χ^2/NDF:2063670.5/40

All: 288.598+/-0.030 χ^2/NDF: 4292490.7/76



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134595.773+/-0.065 χ^2/NDF:1198181476.7/21

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134645.243+/-0.069 χ^2/NDF:1090382389.0/19

Left: 134619.219+/-0.047 χ^2/NDF: 2288834320.2/4

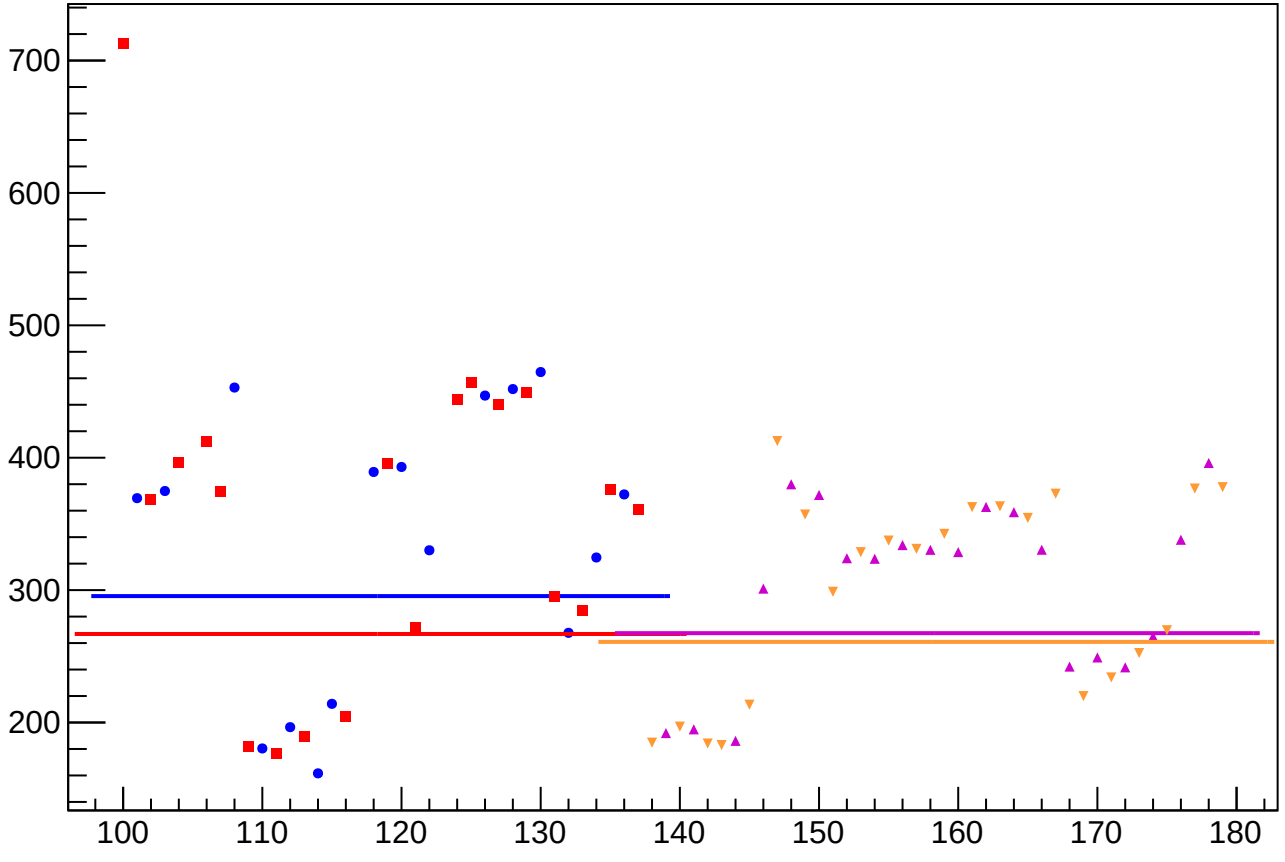
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134878.026+/-0.060 χ^2/NDF:1229437092.8/35

Out: 134968.476+/-0.056 χ^2/NDF:1407578765.7/4

All: 134926.259+/-0.041 χ^2/NDF: 263824382

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 260.896+/-0.046 χ^2/NDF:2490595.3/21

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 267.487+/-0.049 χ^2/NDF:1919734.9/19

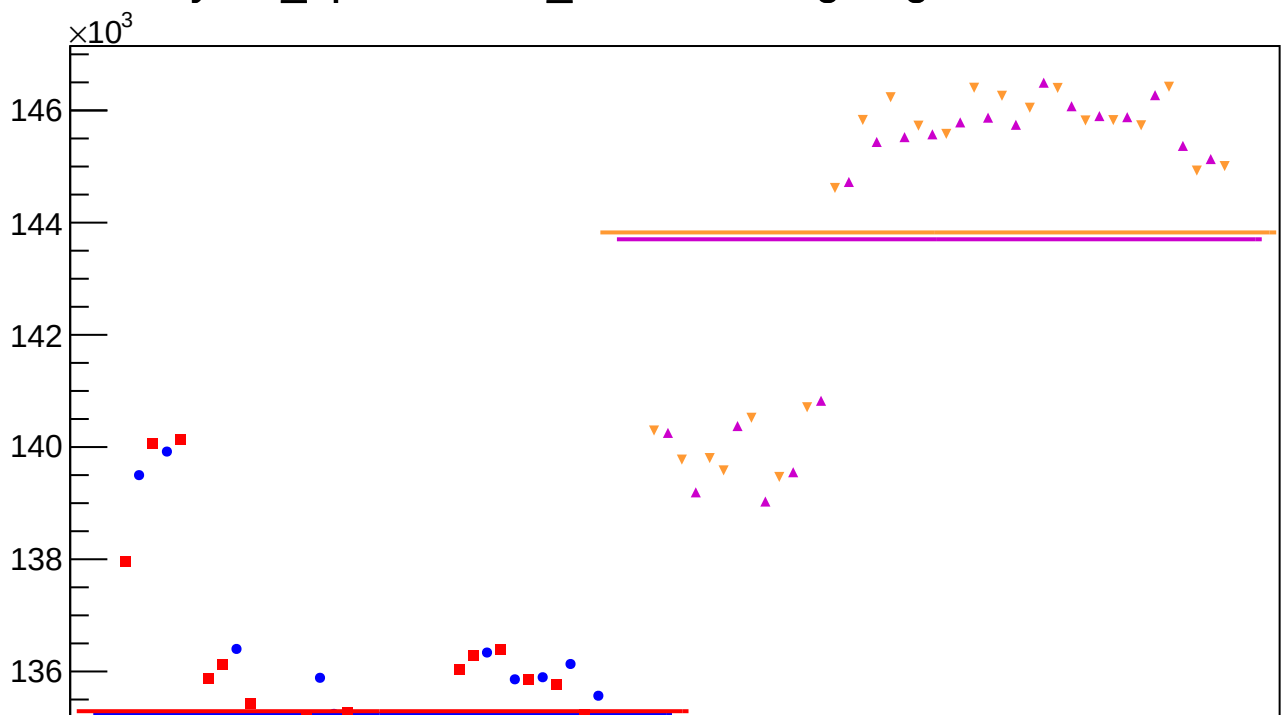
Left: 264.020+/-0.034 χ^2/NDF: 4419931.8/41

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 274.587+/-0.042 χ^2/NDF:3445781.7/35

Out: 262.537+/-0.039 χ^2/NDF:4173235.1/40

All: 268.161+/-0.029 χ^2/NDF: 7662609.3/76



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143825.289+/-0.050 χ^2/NDF:3122319403.8/21

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143703.118+/-0.052 χ^2/NDF:2767489368.5/19

Left: 143767.580+/-0.036 χ^2/NDF: 5892666852.6/4

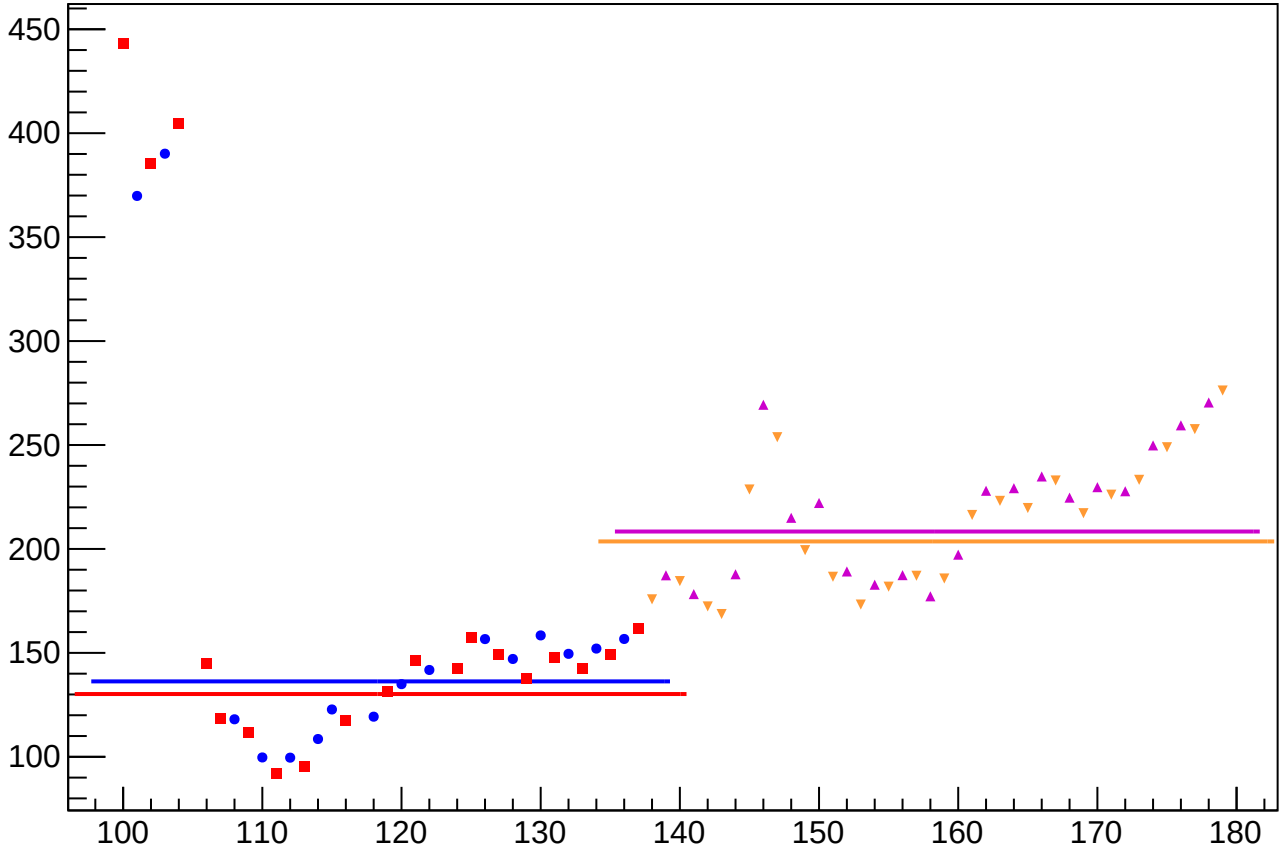
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139650.438+/-0.038 χ^2/NDF:15593909180.6/3

Out: 139733.758+/-0.036 χ^2/NDF:17657931550.7

All: 139694.411+/-0.026 χ^2/NDF: 33254393

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 203.615+/-0.035 χ^2/NDF:682565.7/21

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 208.381+/-0.037 χ^2/NDF:569256.6/19

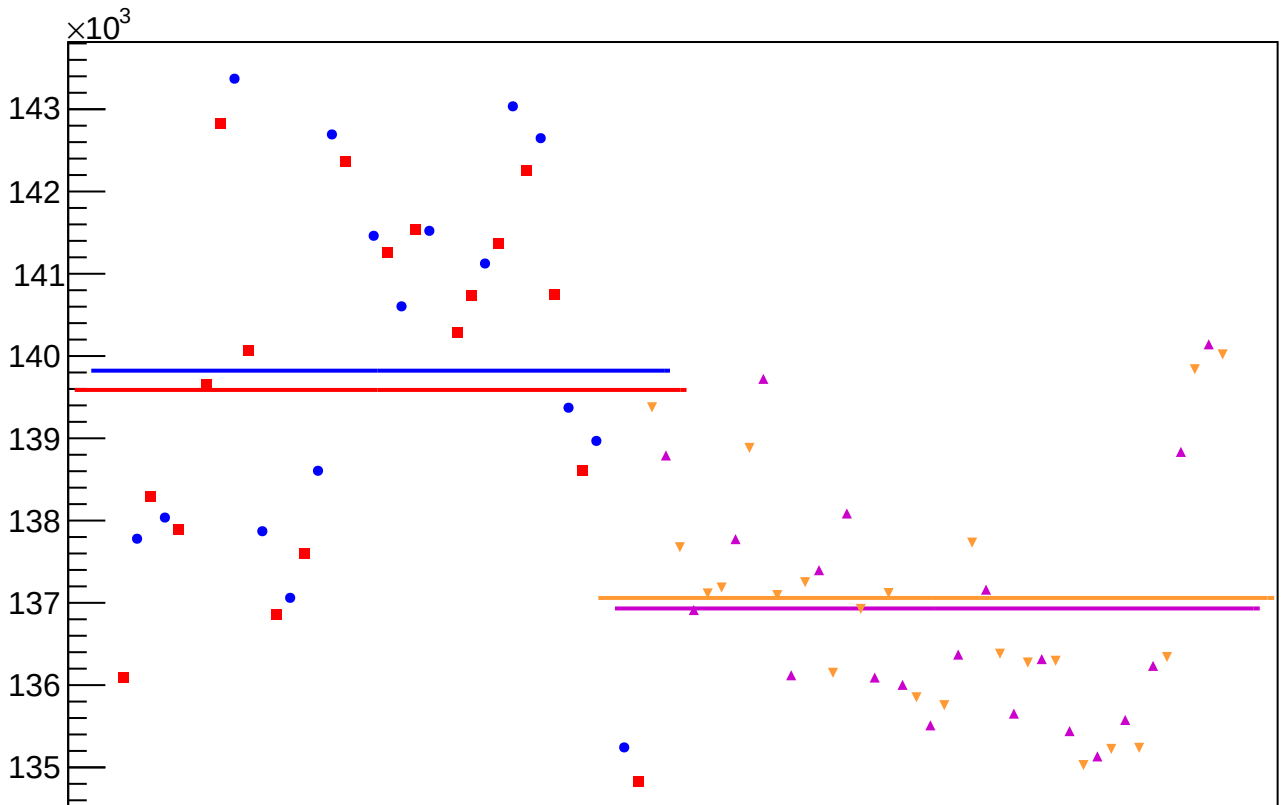
Left: 205.866+/-0.026 χ^2/NDF: 1260522.1/41

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

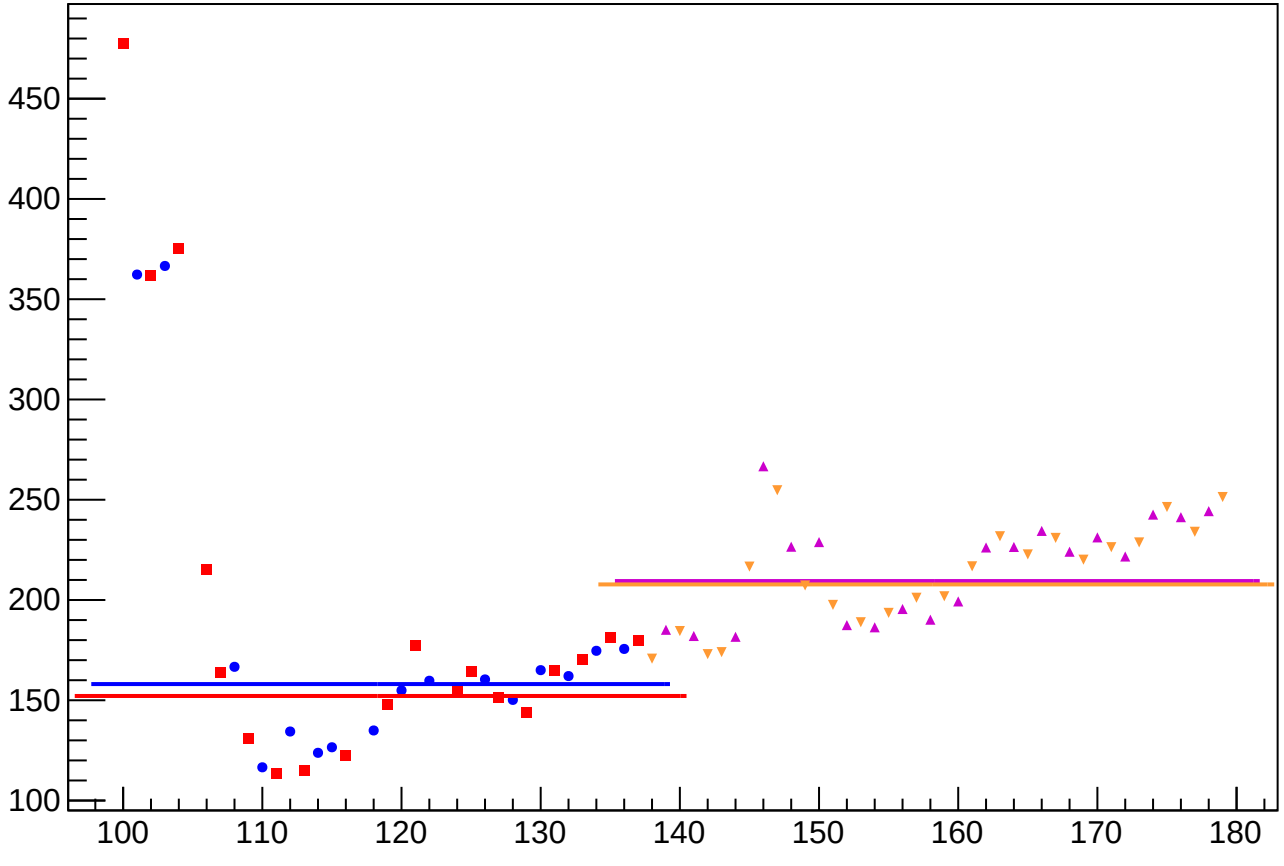
In: 173.831+/-0.027 χ^2/NDF:3761254.0/35

Out: 168.417+/-0.025 χ^2/NDF:4298248.3/40

All: 170.974+/-0.018 χ^2/NDF: 8081061.3/76


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
110
120
130
140
150
160
170
180
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137059.689+/-0.051 χ²/NDF:720643844.7/21
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 136931.768+/-0.053 χ²/NDF:660363597.0/19
Left: 136998.356+/-0.037 χ²/NDF: 1384071525.6/4
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 138131.434+/-0.040 χ²/NDF:3571072260.9/35
Out: 138116.118+/-0.039 χ²/NDF:3246648176.8/4
All: 138123.443+/-0.028 χ²/NDF: 681779569

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 207.773+/-0.036 χ^2/NDF:460562.3/21

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 209.453+/-0.037 χ^2/NDF:431255.9/19

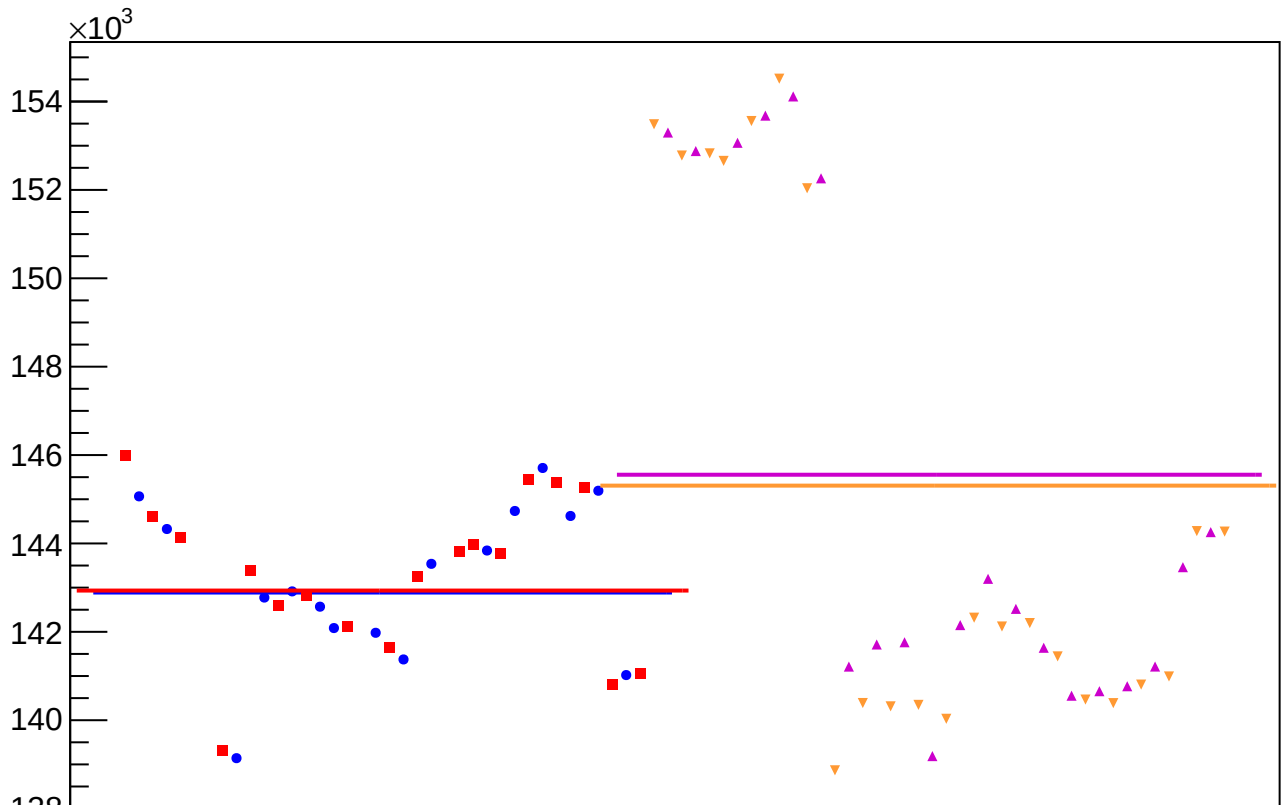
Left: 208.578+/-0.026 χ^2/NDF: 892874.9/41

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 188.130+/-0.029 χ^2/NDF:2237295.4/35

Out: 184.526+/-0.027 χ^2/NDF:2699816.4/40

All: 186.249+/-0.020 χ^2/NDF: 4945447.1/76



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145308.433+/-0.051 χ^2/NDF:13001946778.4/21

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145554.797+/-0.053 χ^2/NDF:11022399321.6/19

Left: 145426.310+/-0.037 χ^2/NDF: 24035410544.6

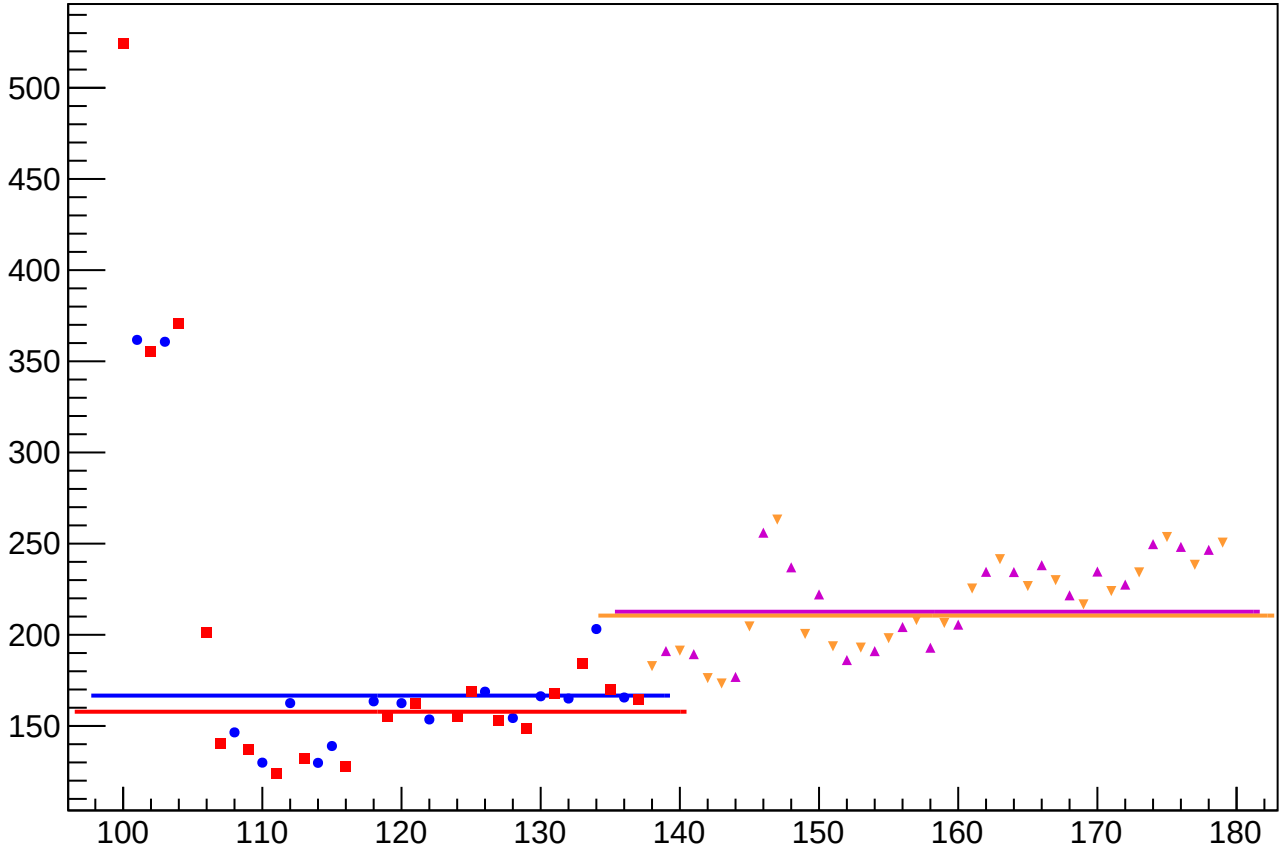
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144492.064+/-0.041 χ^2/NDF:12775807746.6/3

Out: 144336.356+/-0.039 χ^2/NDF:14668767157.6

All: 144410.162+/-0.029 χ^2/NDF: 27451988

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 210.534+/-0.036 χ^2/NDF:444669.2/21

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 212.644+/-0.038 χ^2/NDF:423147.6/19

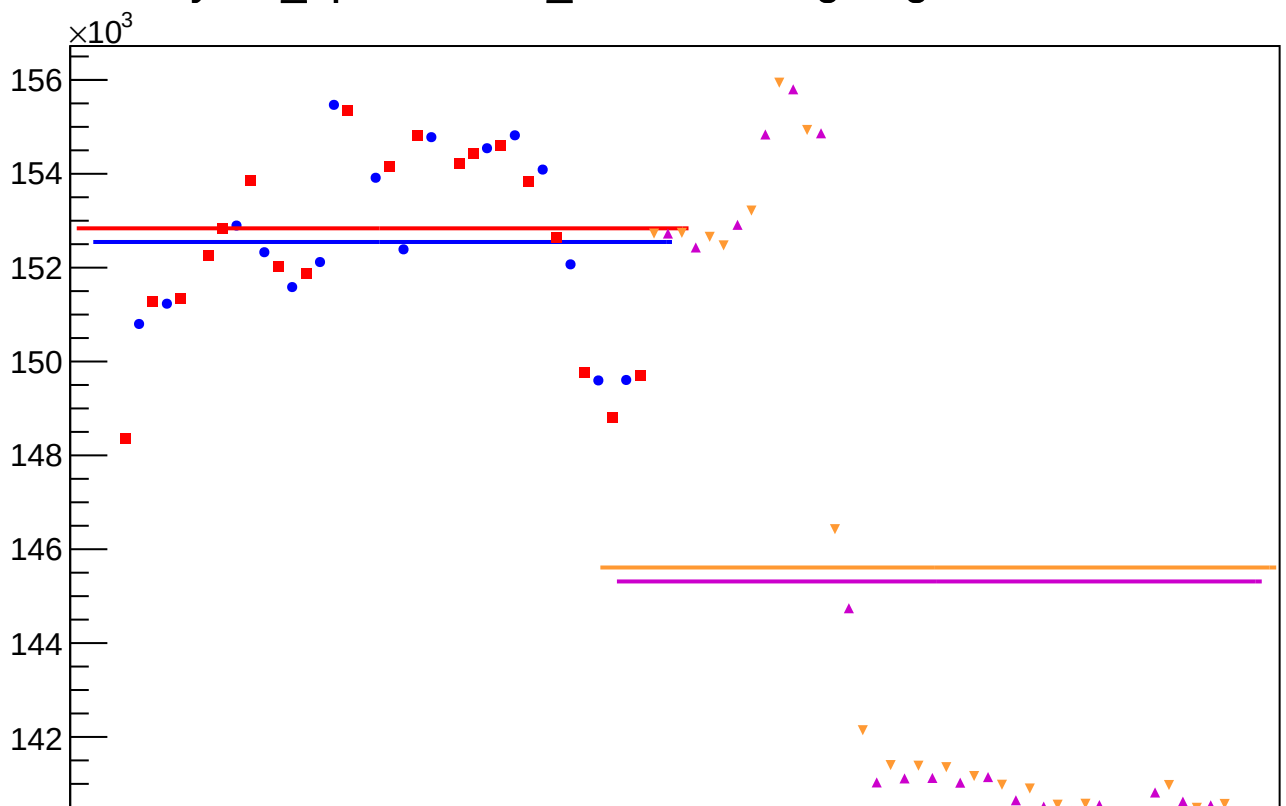
Left: 211.543+/-0.026 χ^2/NDF: 869439.1/41

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 194.308+/-0.029 χ^2/NDF:1876184.4/35

Out: 188.950+/-0.028 χ^2/NDF:2334182.5/40

All: 191.490+/-0.020 χ^2/NDF: 4227923.5/76



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145610.695+/-0.051 χ^2/NDF:13007976649.8/21

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

Left: 145467.951+/-0.037 χ^2/NDF: 25577917333.5

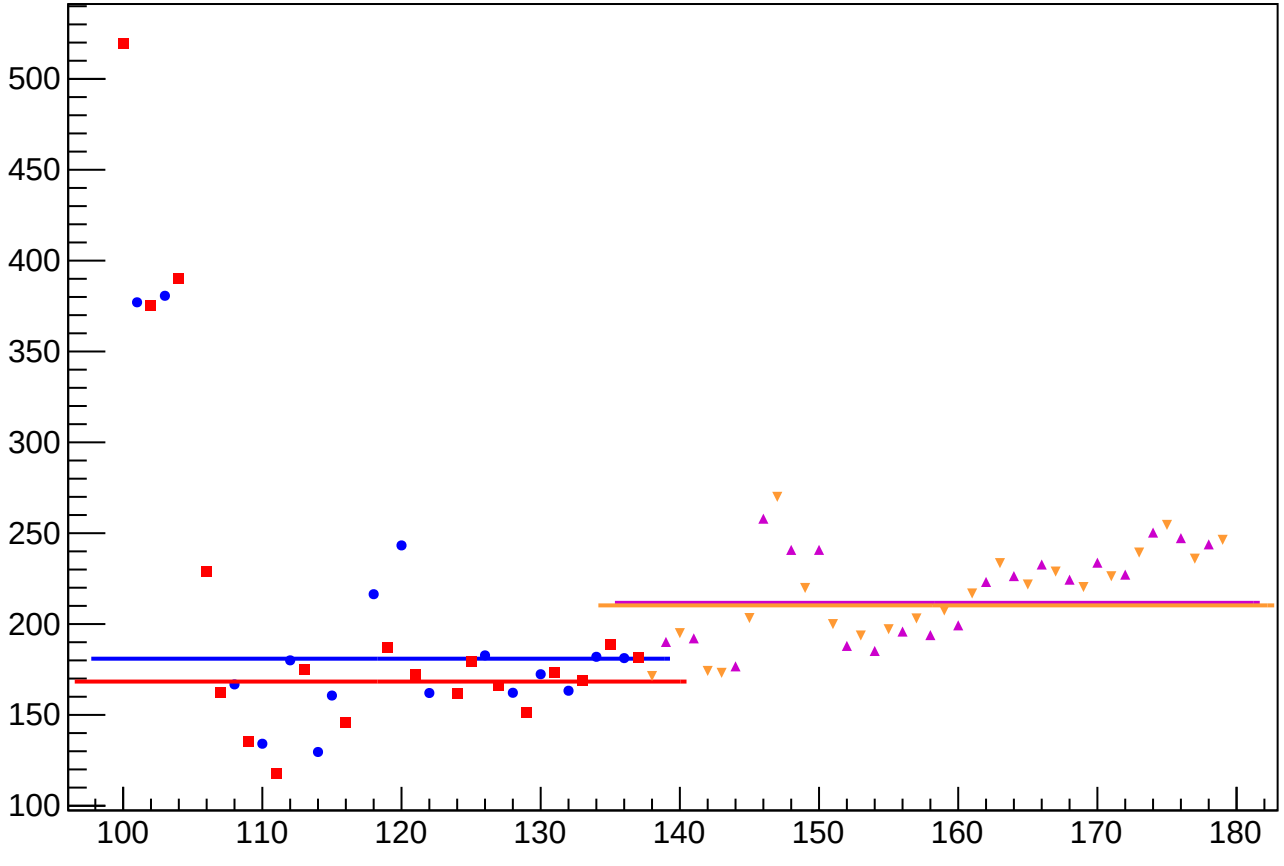
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147835.809+/-0.043 χ^2/NDF:19670996785.0/3

Out: 148282.088+/-0.041 χ^2/NDF:21154636516.6/

All: 148071.533+/-0.029 χ^2/NDF: 40882843

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 210.273+/-0.036 χ^2/NDF:478356.0/21

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 211.674+/-0.038 χ^2/NDF:449316.1/19

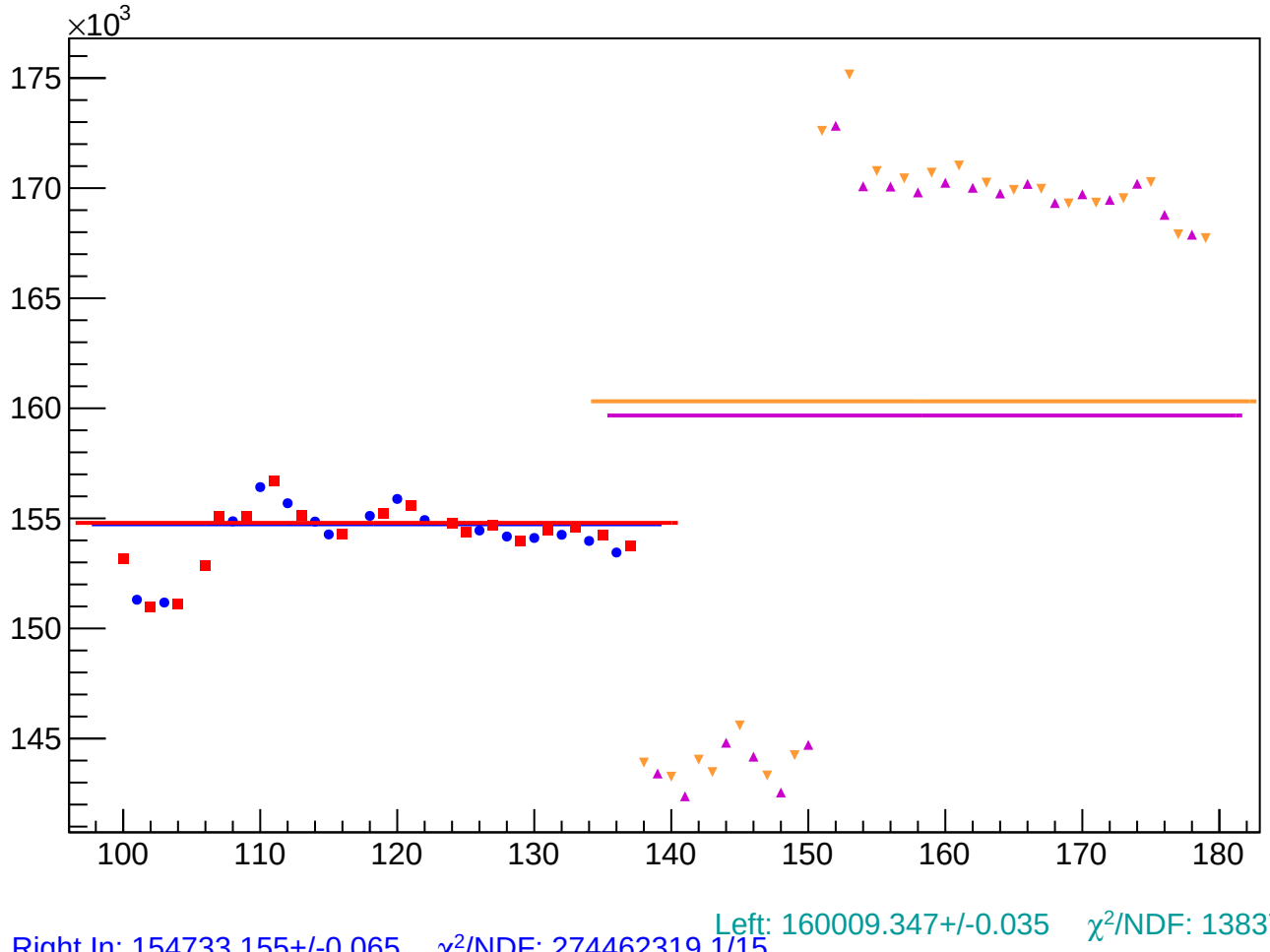
Left: 210.946+/-0.026 χ^2/NDF: 928394.7/41

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 200.956+/-0.030 χ^2/NDF:1590429.6/35

Out: 194.777+/-0.029 χ^2/NDF:2066129.6/40

All: 197.692+/-0.021 χ^2/NDF: 3678492.4/76



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160317.900+/-0.049 χ^2/NDF:73107932782.5/21

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 159672.515+/-0.051 χ^2/NDF:65178820139.5/19

Left: 160009.347+/-0.035 χ^2/NDF: 138370859804.

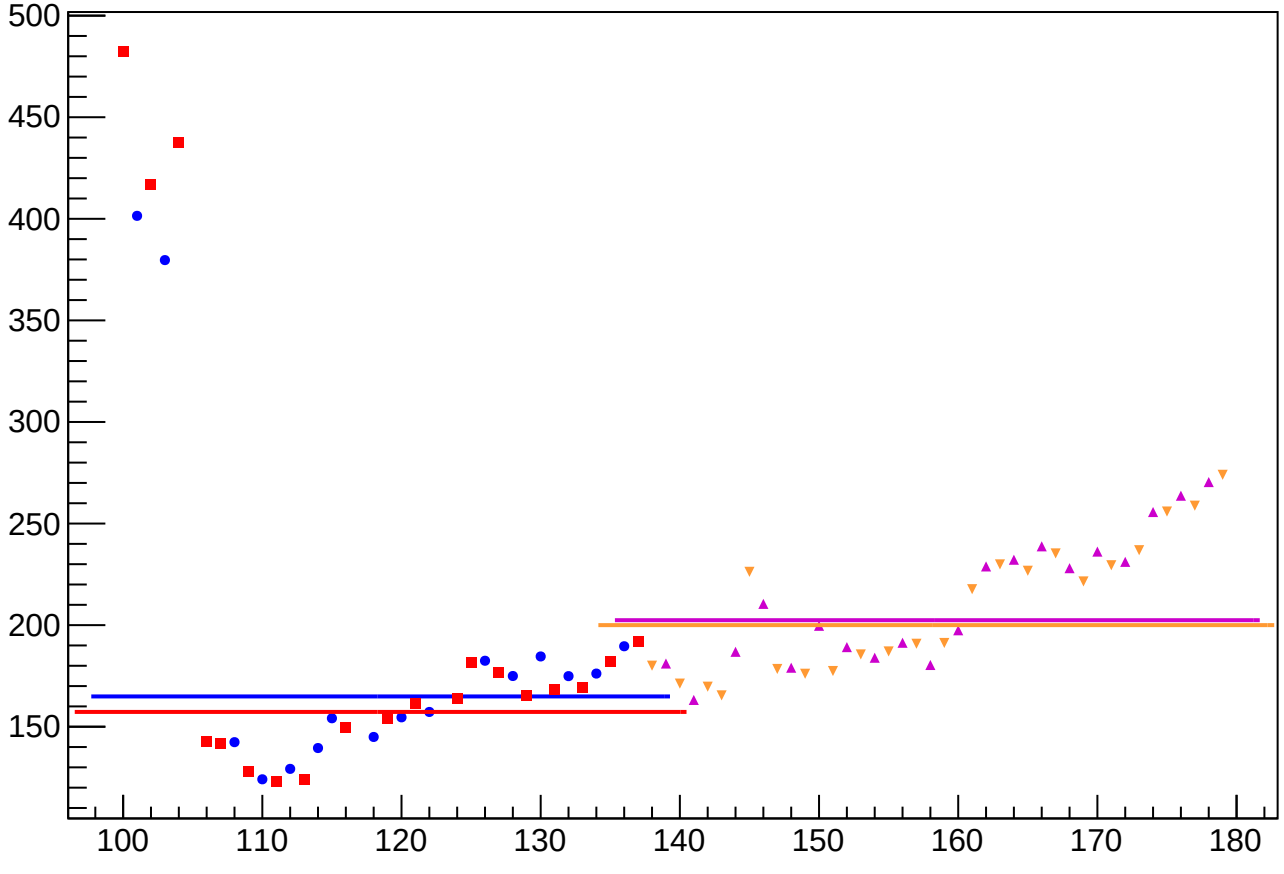
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157804.718+/-0.040 χ^2/NDF:69022714395.8/3

Out: 158173.394+/-0.038 χ^2/NDF:78413649667.5

All: 157998.656+/-0.028 χ^2/NDF: 14748084

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 200.005+/-0.034 χ^2/NDF:742303.9/21

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 202.432+/-0.036 χ^2/NDF:619292.5/19

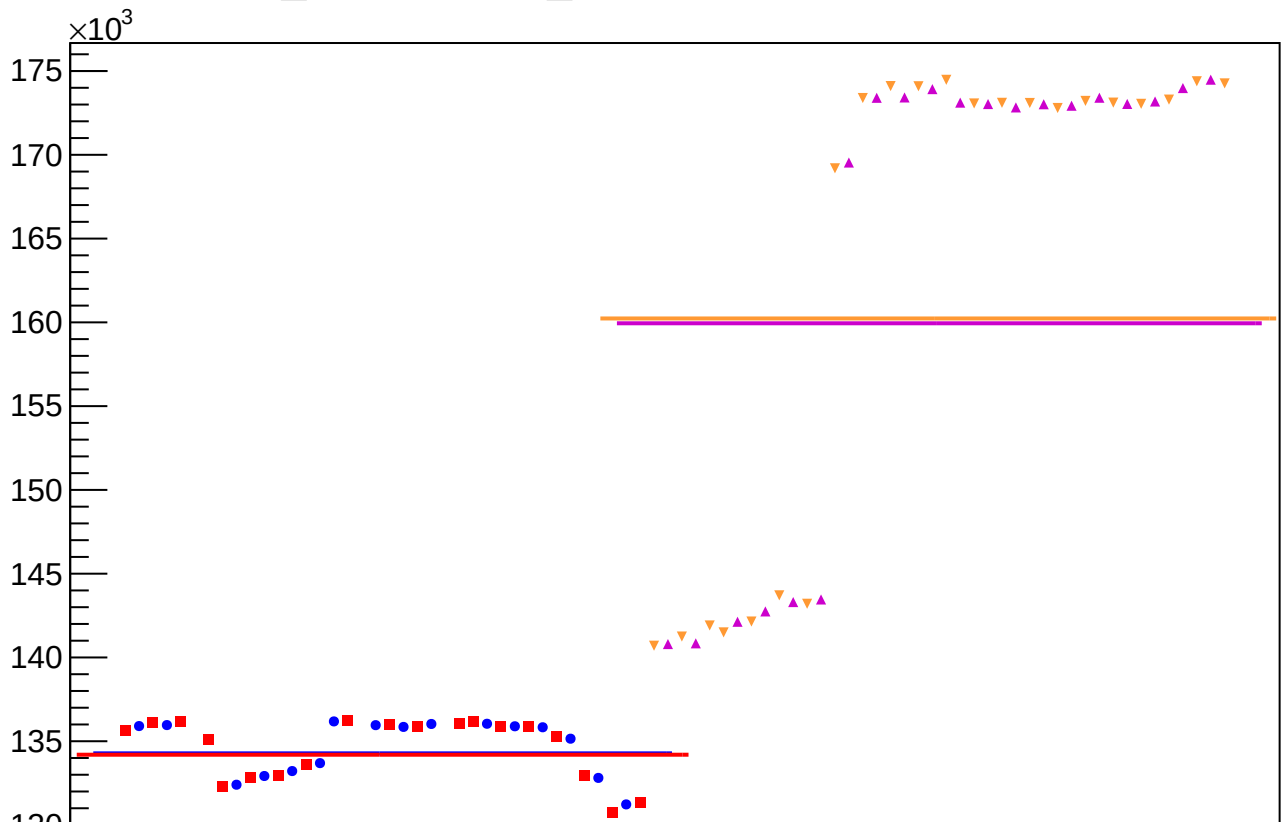
Left: 201.166+/-0.025 χ^2/NDF: 1363974.8/41

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 188.242+/-0.028 χ^2/NDF:2104071.2/35

Out: 183.414+/-0.027 χ^2/NDF:2595900.8/40

All: 185.702+/-0.020 χ^2/NDF: 4715230.3/76



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 160232.337+/-0.050 χ^2/NDF:95751128432.8/21

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 159944.979+/-0.052 χ^2/NDF:86421627595.3/19

Left: 160095.342+/-0.036 χ^2/NDF: 182188782533.

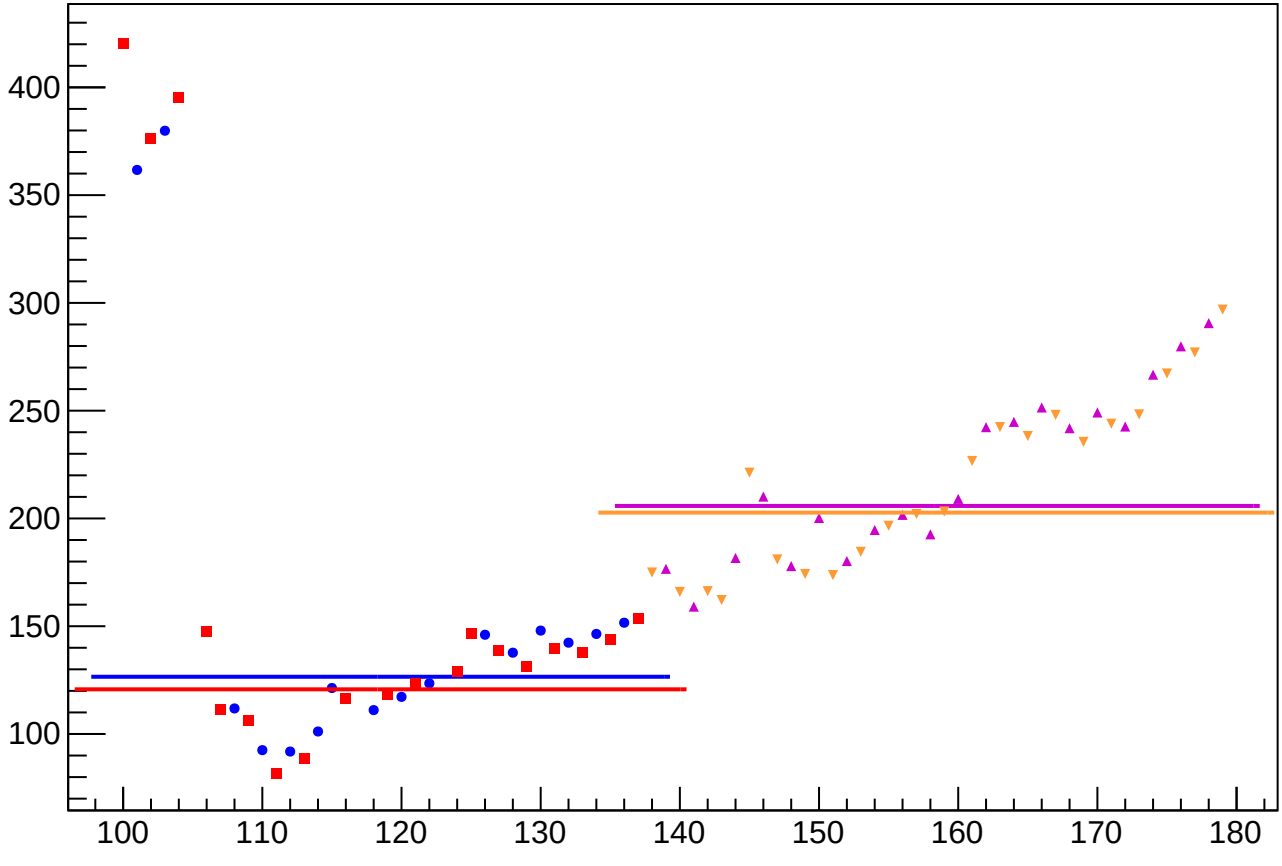
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 146836.235+/-0.036 χ^2/NDF:212372097596.4

Out: 146790.211+/-0.034 χ^2/NDF:239442785171.

All: 146812.021+/-0.025 χ^2/NDF: 45181572

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 202.716+/-0.035 χ^2/NDF:1051490.8/21

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 205.803+/-0.037 χ^2/NDF:865161.3/19

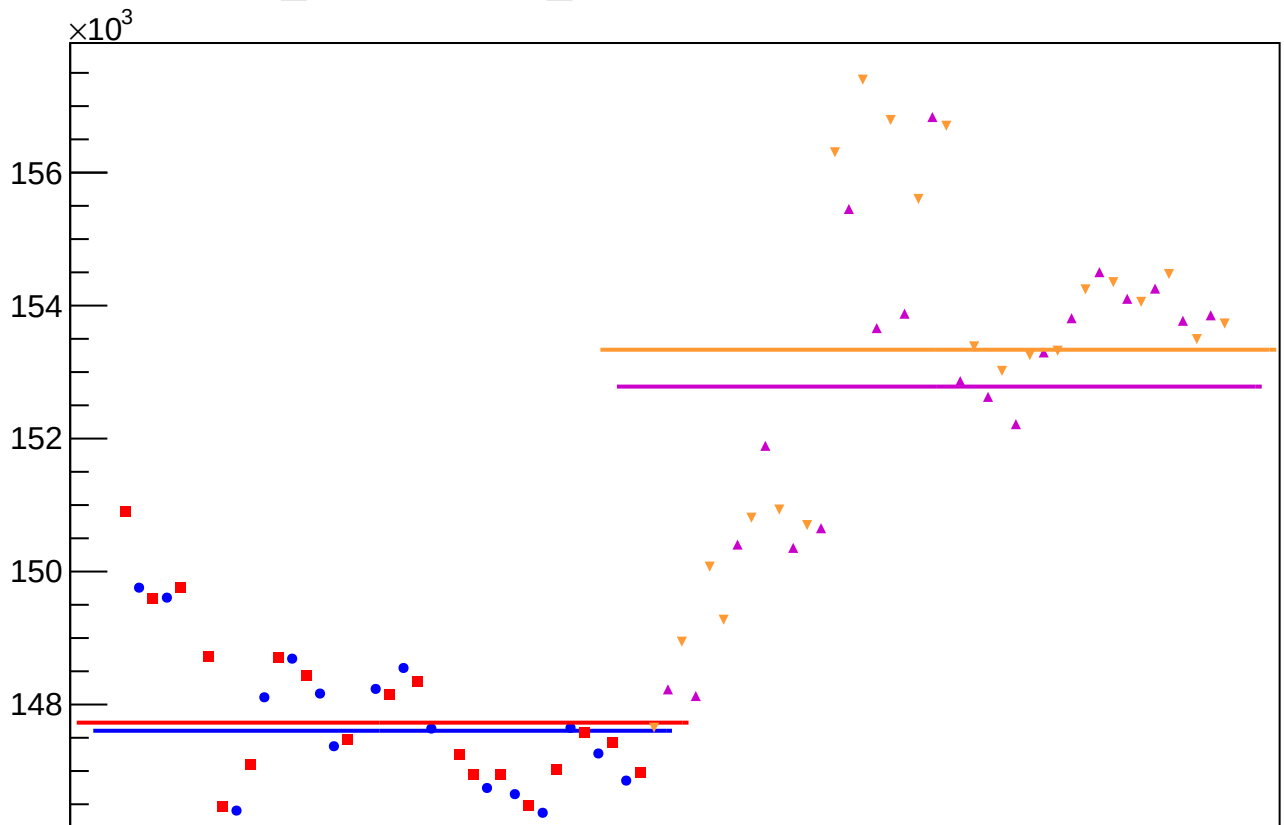
Left: 204.188+/-0.025 χ^2/NDF: 1920350.8/41

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 165.330+/-0.026 χ^2/NDF:4722042.6/35

Out: 160.386+/-0.024 χ^2/NDF:5510208.9/40

All: 162.729+/-0.018 χ^2/NDF: 10251750.6/76



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153336.266+/-0.052 χ^2/NDF:2978089555.5/21

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152781.844+/-0.055 χ^2/NDF:1899070116.6/19

Left: 153070.554+/-0.038 χ^2/NDF: 4931010399.2/4

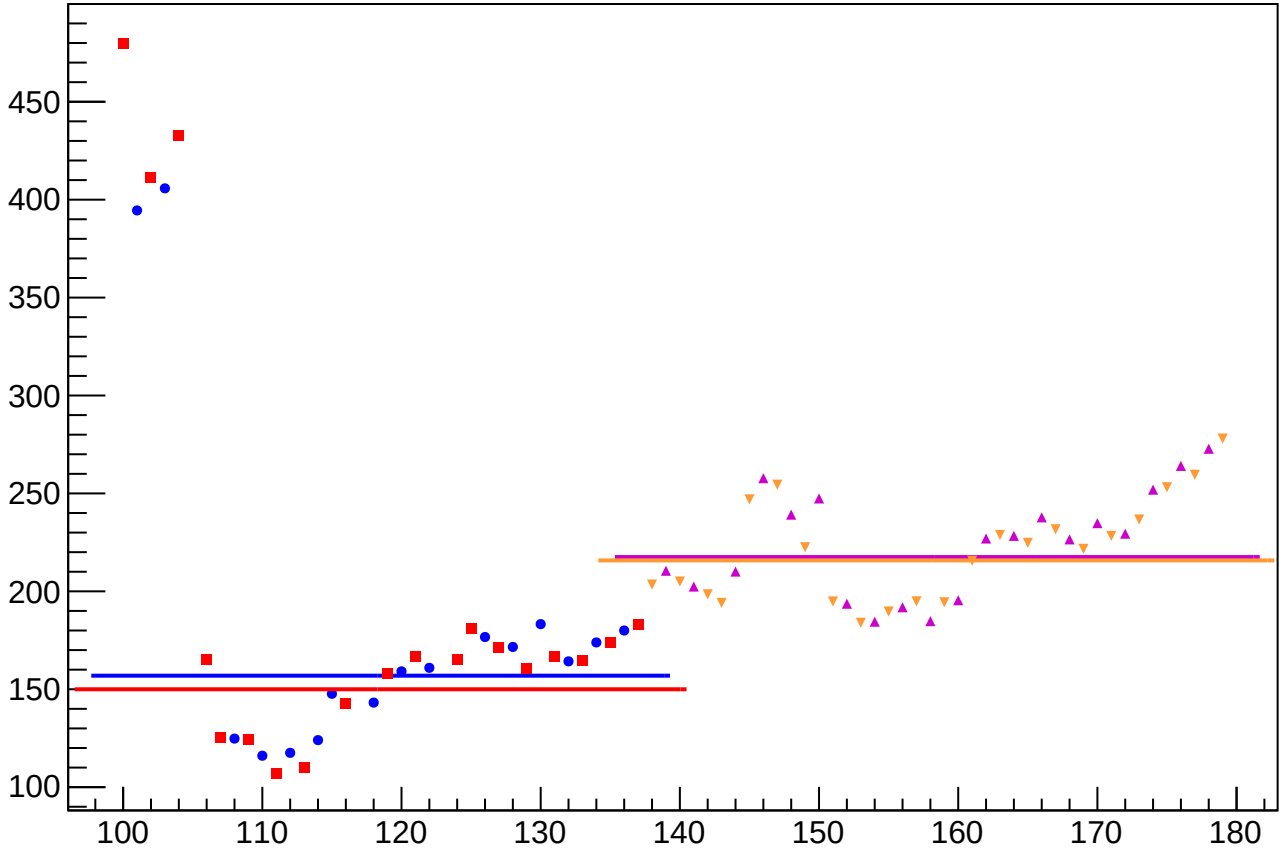
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150544.025+/-0.041 χ^2/NDF:5996565233.1/35

Out: 150864.984+/-0.039 χ^2/NDF:8239531790.8/4

All: 150712.340+/-0.028 χ^2/NDF: 14268112

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 215.791+/-0.037 χ^2/NDF:434890.3/21

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 217.517+/-0.039 χ^2/NDF:449032.1/19

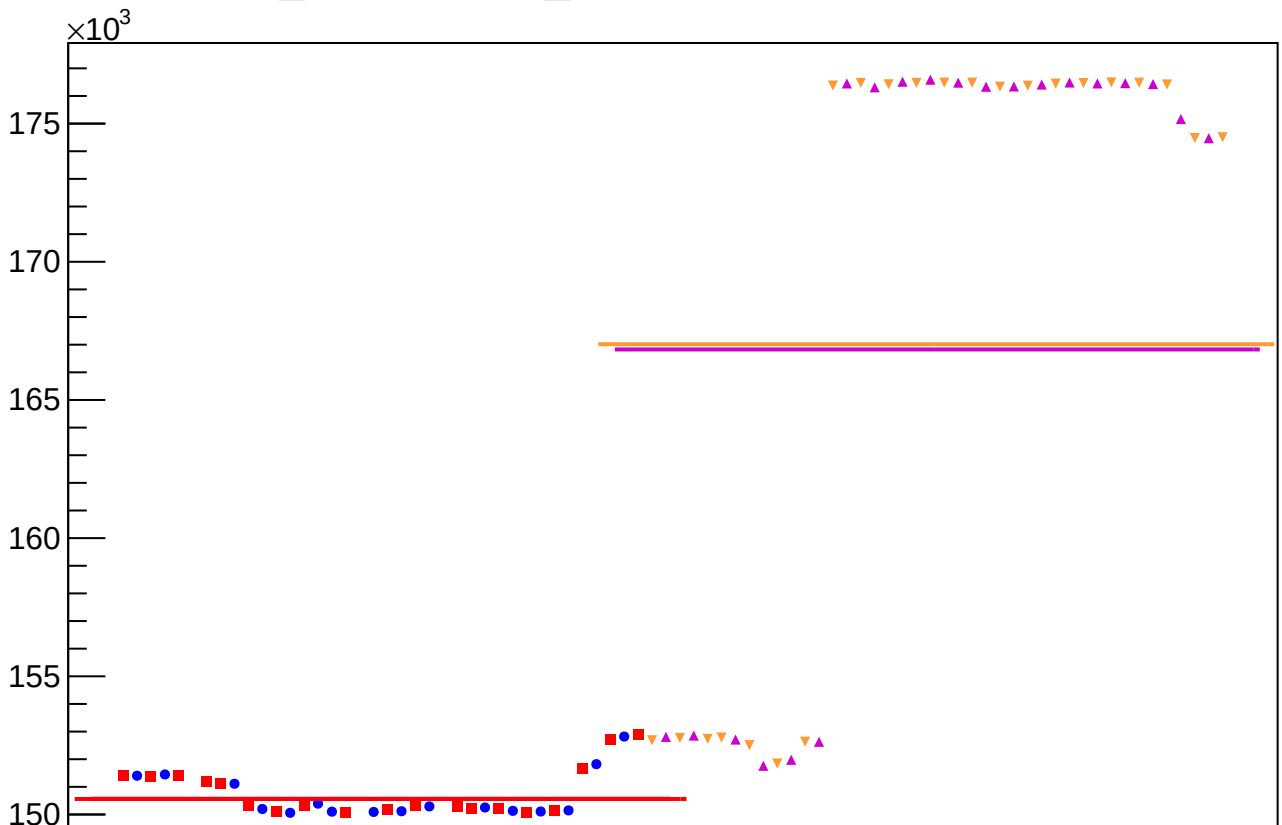
Left: 216.618+/-0.027 χ^2/NDF: 884966.9/41

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 191.323+/-0.029 χ^2/NDF:2782710.7/35

Out: 186.799+/-0.028 χ^2/NDF:3283383.3/40

All: 188.951+/-0.020 χ^2/NDF: 6078810.7/76



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167016.723+/-0.048 χ^2/NDF:58391880135.2/21

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

Left: 166926.682+/-0.035 χ^2/NDF: 112294655576.

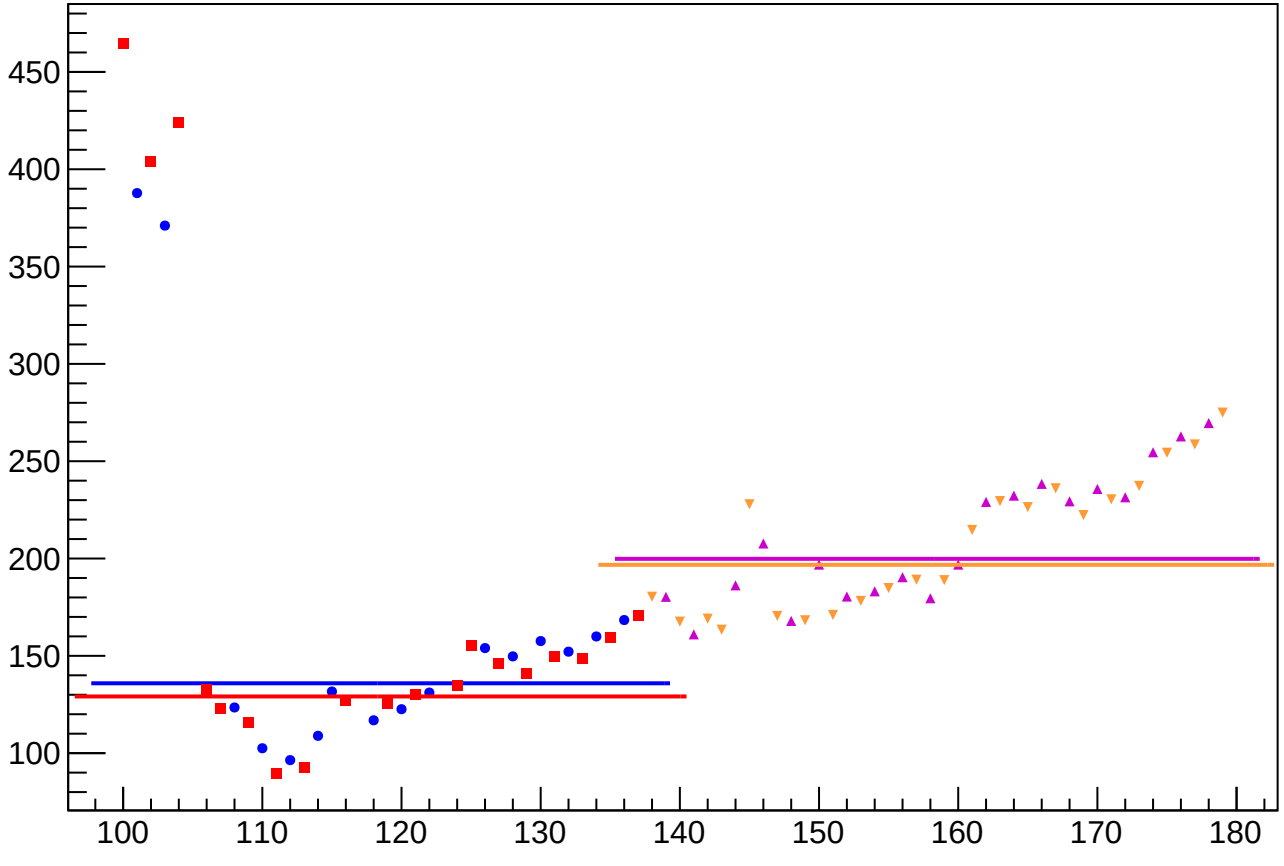
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159372.118+/-0.037 χ^2/NDF:102127345608.2

Out: 159298.267+/-0.035 χ^2/NDF:113900490574.

All: 159333.074+/-0.025 χ^2/NDF: 21602994

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 196.763+/-0.034 χ^2/NDF:856636.9/21

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 199.839+/-0.036 χ^2/NDF:690653.8/19

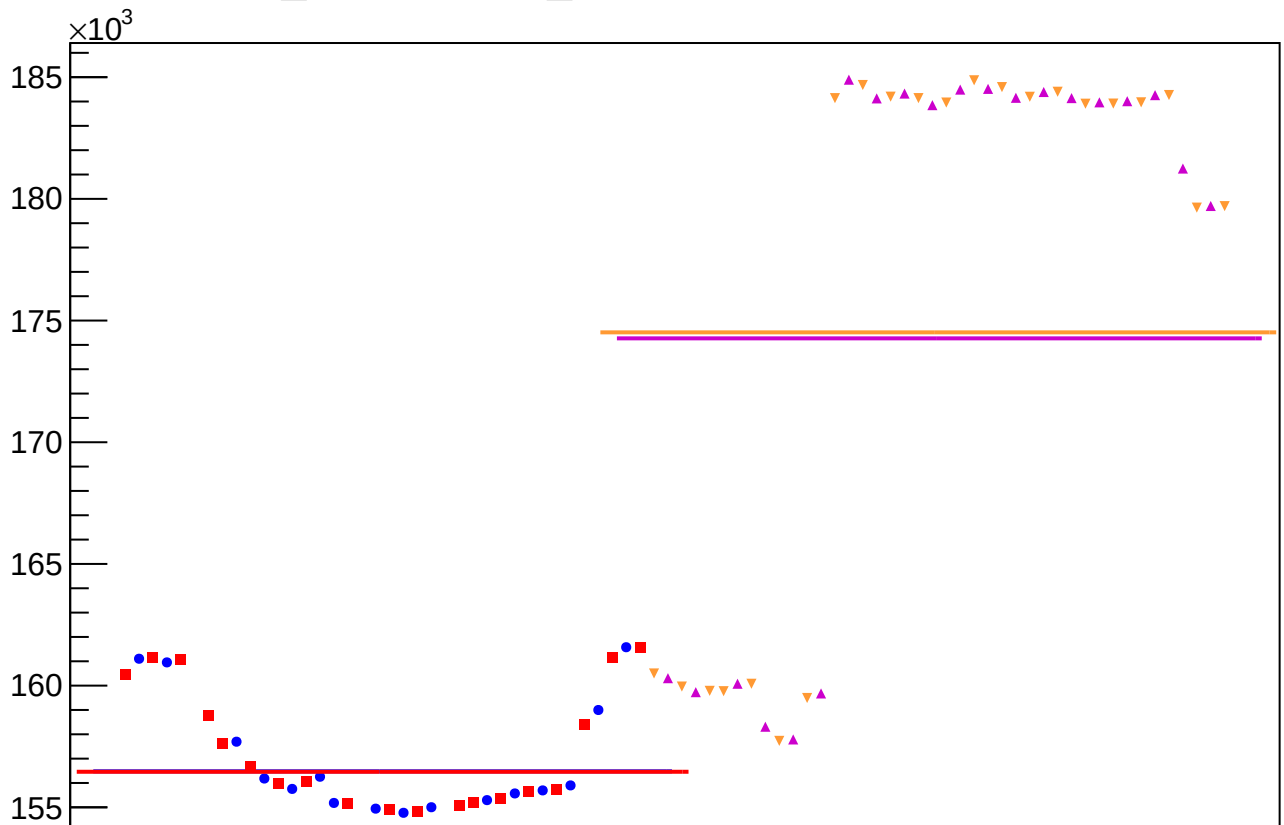
Left: 198.228+/-0.025 χ^2/NDF: 1551212.9/41

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 170.518+/-0.026 χ^2/NDF:3591603.4/35

Out: 165.039+/-0.025 χ^2/NDF:4339733.1/40

All: 167.621+/-0.018 χ^2/NDF: 7954543.2/76



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174515.117+/-0.049 χ^2/NDF:57571903463.0/21

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 174268.442+/-0.052 χ^2/NDF:54159402221.8/19

Left: 174397.458+/-0.036 χ^2/NDF: 111743154355.

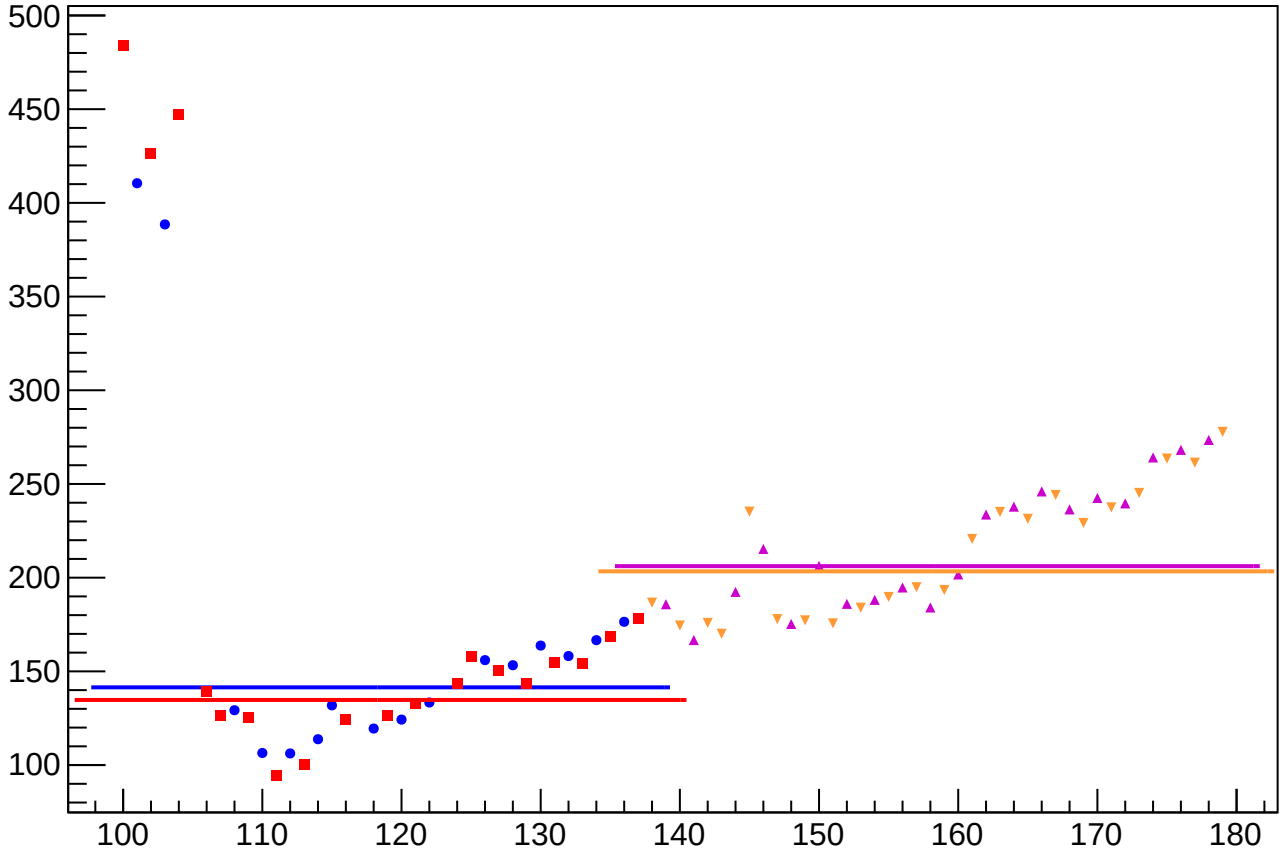
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 166188.418+/-0.038 χ^2/NDF:108965783685.3

Out: 166126.338+/-0.036 χ^2/NDF:120503234880.

All: 166155.650+/-0.026 χ^2/NDF: 229470406

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 203.386+/-0.035 χ^2/NDF:799390.3/21

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 206.150+/-0.037 χ^2/NDF:667393.2/19

Left: 204.704+/-0.025 χ^2/NDF: 1469759.5/41

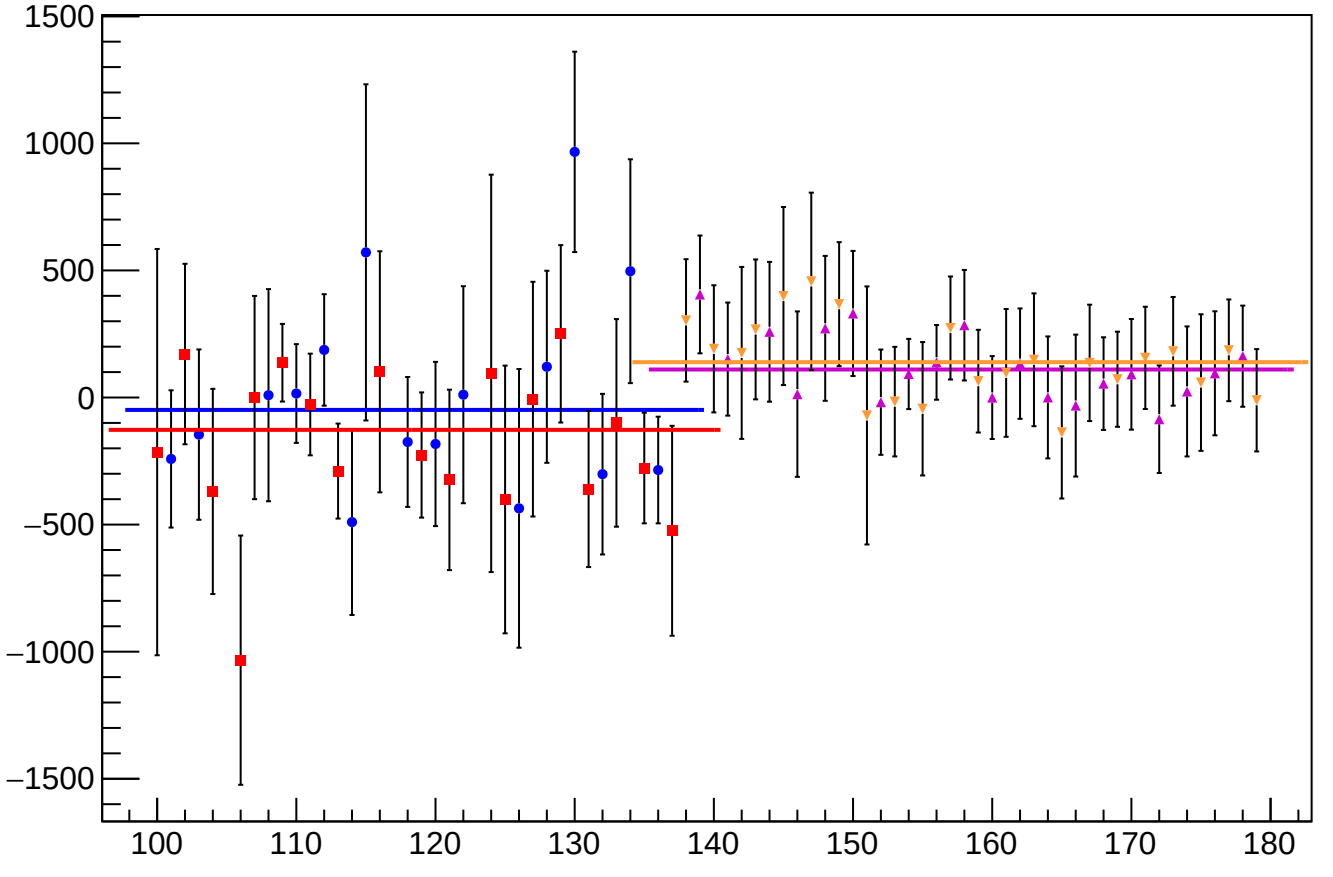
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 176.773+/-0.027 χ^2/NDF:3474146.5/35

Out: 171.493+/-0.026 χ^2/NDF:4165790.5/40

All: 173.986+/-0.019 χ^2/NDF: 7660013.2/76

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 110.191+/-46.965 χ^2/NDF:6.3/19

Left: 123.347+/-34.638 χ^2/NDF: 13.3/41

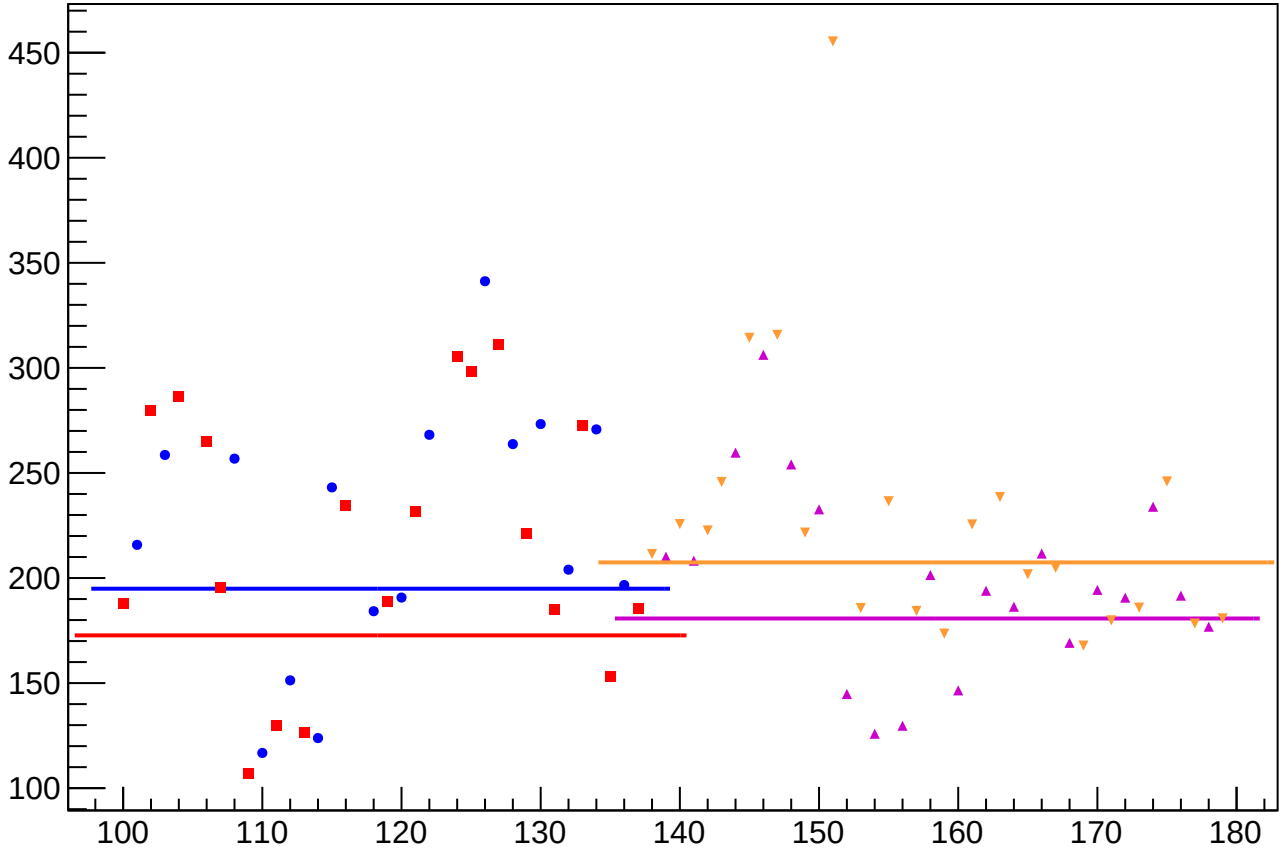
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 66.760+/-40.037 χ^2/NDF:24.9/35

Out: 43.382+/-41.059 χ^2/NDF:29.3/40

All: 55.366+/-28.665 χ^2/NDF: 54.4/76

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 207.431+/-0.036 χ^2/NDF:1349230.5/21

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.744+/-0.033 χ^2/NDF:1613376.5/19

Left: 192.914+/-0.024 χ^2/NDF: 3257091.8/41

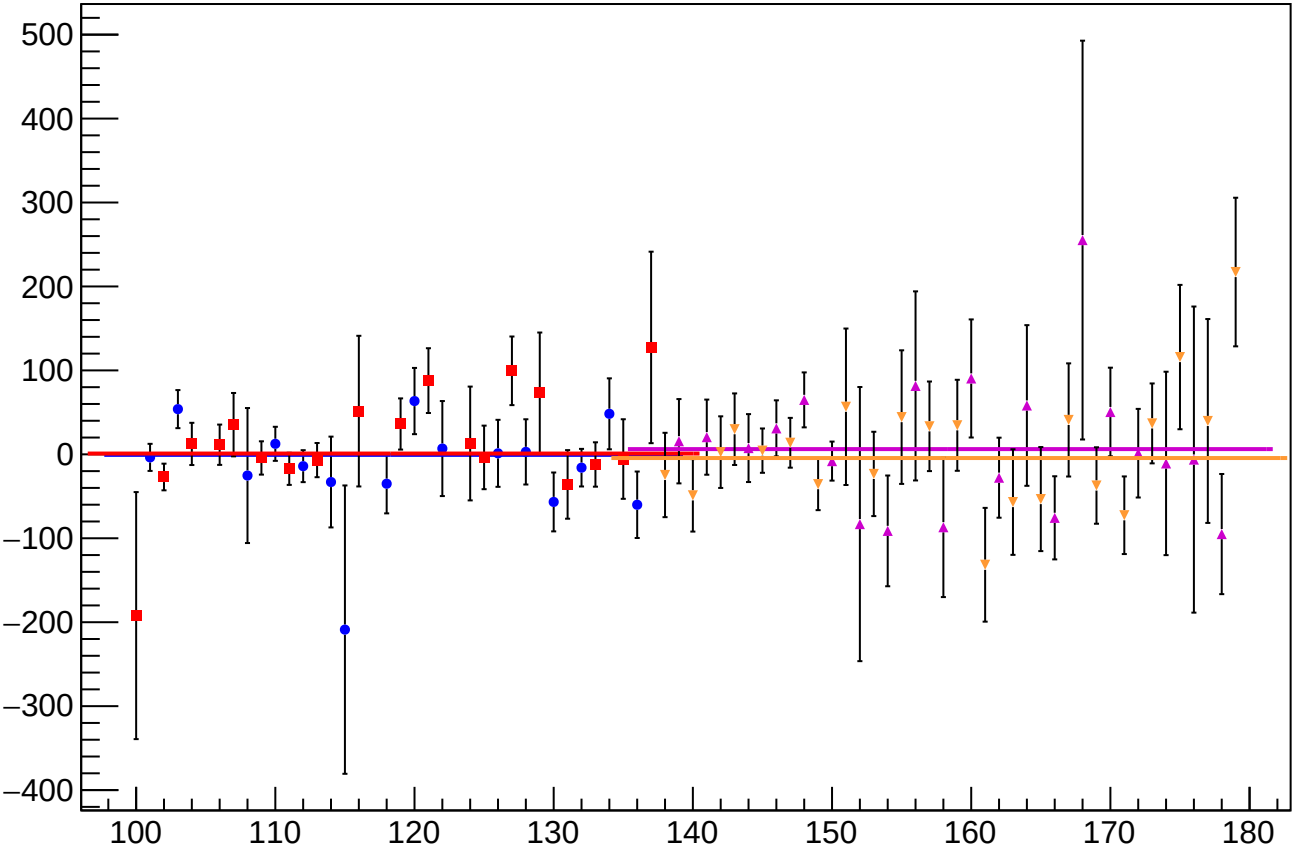
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.618+/-0.028 χ^2/NDF:2692086.6/35

Out: 194.956+/-0.029 χ^2/NDF:3309891.6/40

All: 189.657+/-0.020 χ^2/NDF: 6066963.5/76

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.416+/-10.164 χ^2/NDF:22.4/21

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 6.235+/-11.266 χ^2/NDF:17.3/19

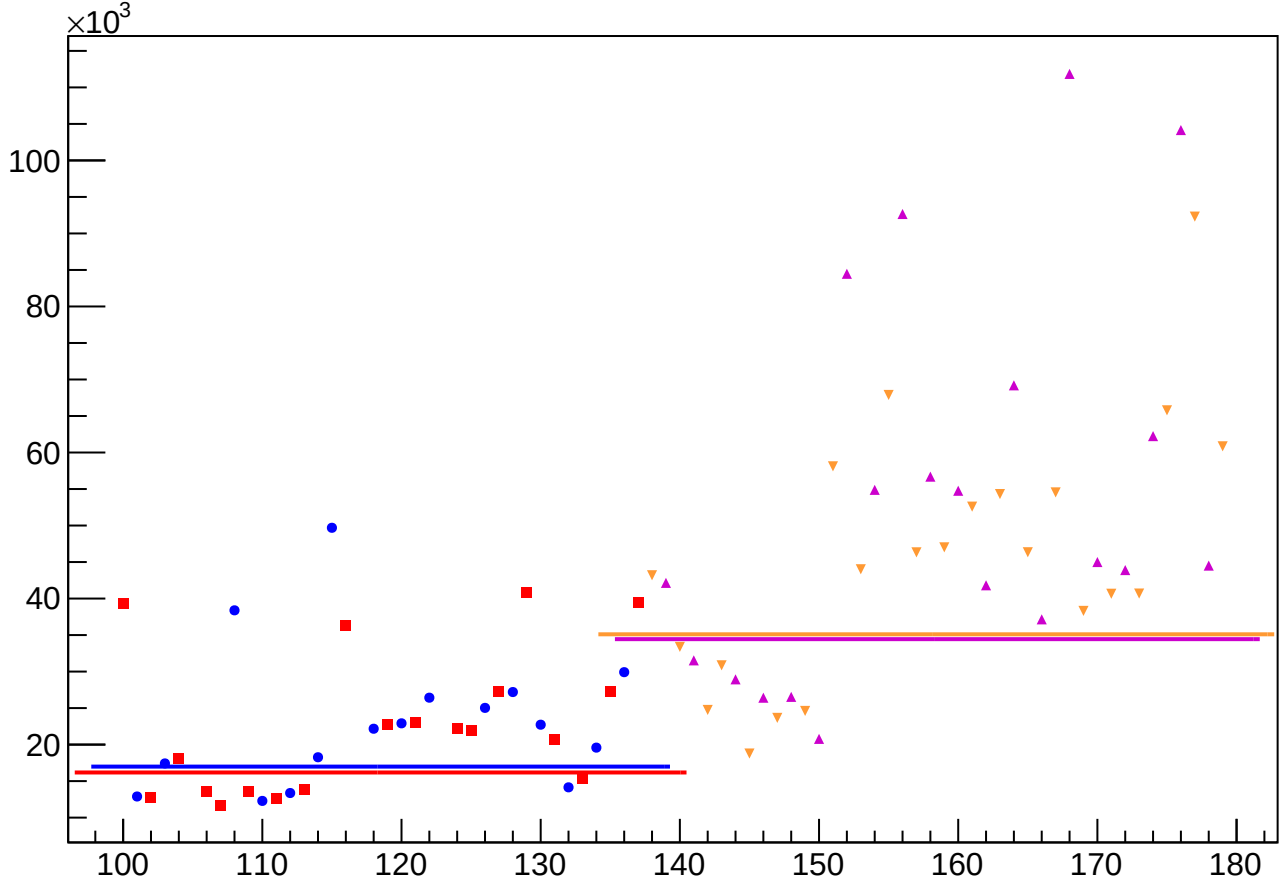
Left: 0.363+/-7.546 χ^2/NDF: 40.2/41

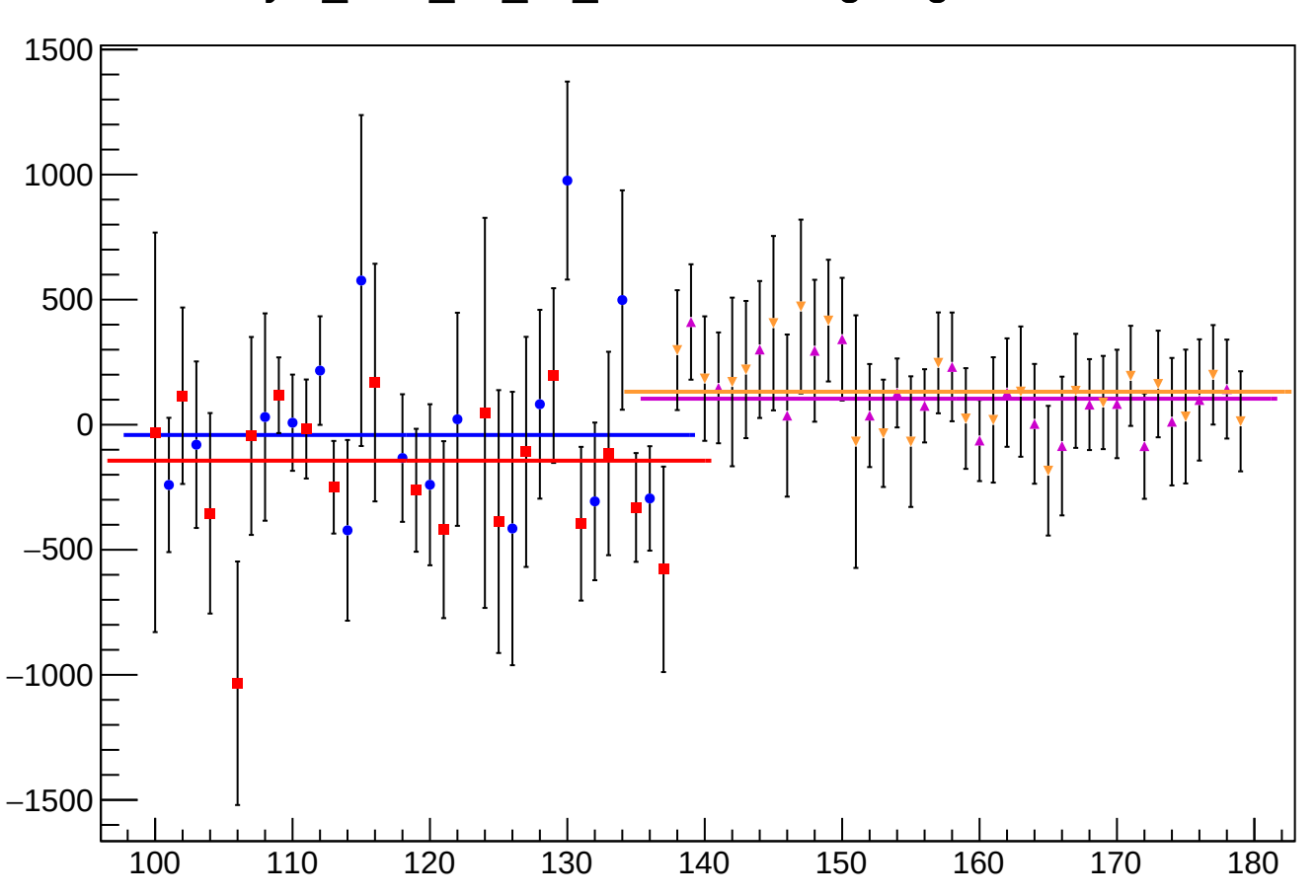
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.420+/-6.150 χ^2/NDF:36.4/35

Out: -0.707+/-5.633 χ^2/NDF:45.7/40

All: 0.263+/-4.154 χ^2/NDF: 82.2/76


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 35104.250+/-7.187 χ²/NDF:3678878.2/21
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 34440.343+/-7.966 χ²/NDF:3373155.7/19
Left: 34806.353+/-5.336 χ²/NDF: 7055863.0/41
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 22187.734+/-4.349 χ²/NDF:7937118.3/35
Out: 21993.662+/-3.983 χ²/NDF:9733399.2/40
All: 22082.194+/-2.937 χ²/NDF: 17671600.6



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 131.858+/-51.068 χ^2/NDF:8.0/21

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 103.936+/-46.788 χ^2/NDF:7.0/19

Left: 116.678+/-34.498 χ^2/NDF: 15.2/41

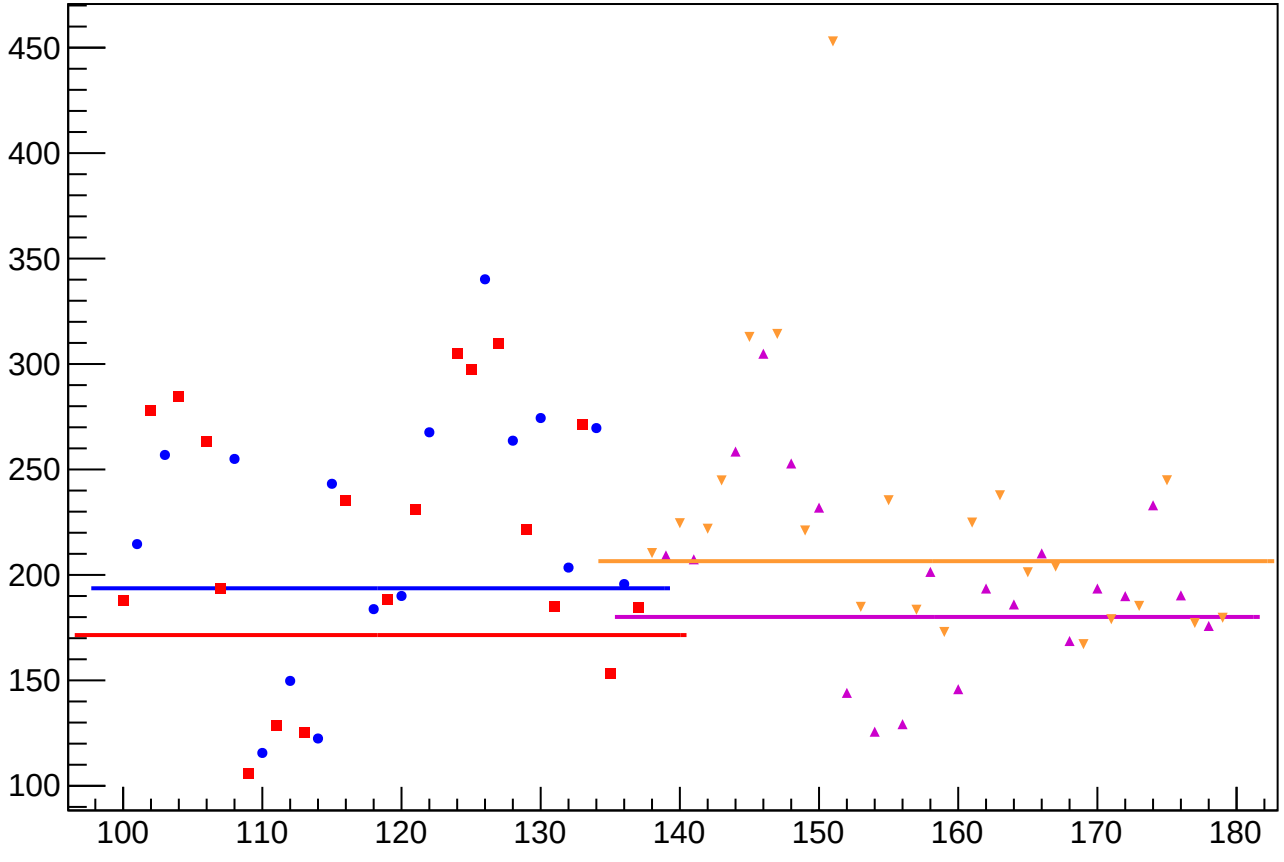
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 64.207+/-39.866 χ^2/NDF:25.1/35

Out: 32.594+/-40.852 χ^2/NDF:31.5/40

All: 48.787+/-28.532 χ^2/NDF: 56.9/76

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 206.524+/-0.036 χ^2/NDF:1350394.2/21

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 180.079+/-0.033 χ^2/NDF:1609658.3/19

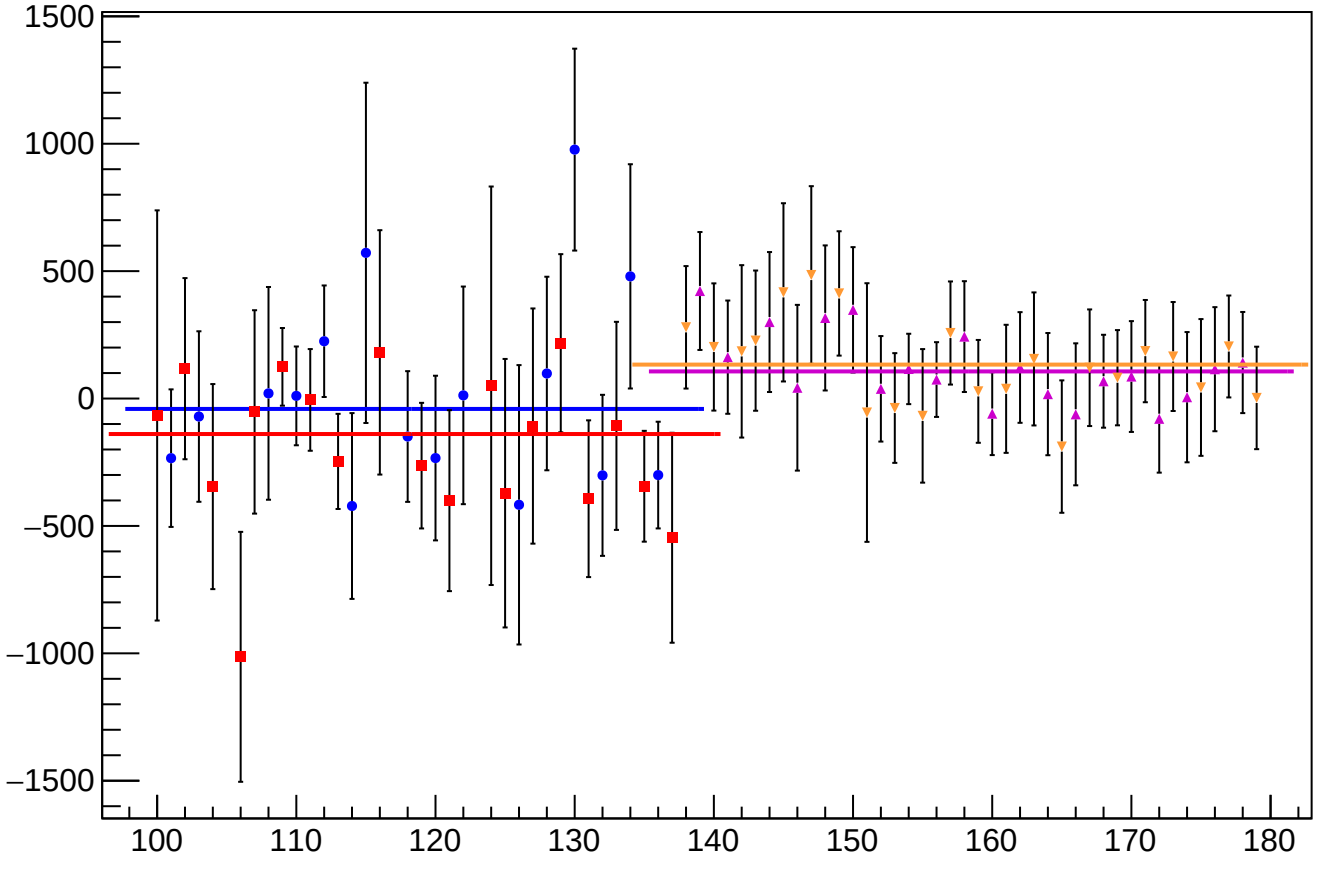
Left: 192.147+/-0.024 χ^2/NDF: 3251613.7/41

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 183.803+/-0.028 χ^2/NDF:2705675.7/35

Out: 193.907+/-0.029 χ^2/NDF:3342419.7/40

All: 188.732+/-0.020 χ^2/NDF: 6110756.8/76



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 133.203+/-51.242 χ^2/NDF:8.1/21

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 106.399+/-46.919 χ^2/NDF:7.1/19

Left: 118.623+/-34.604 χ^2/NDF: 15.3/41

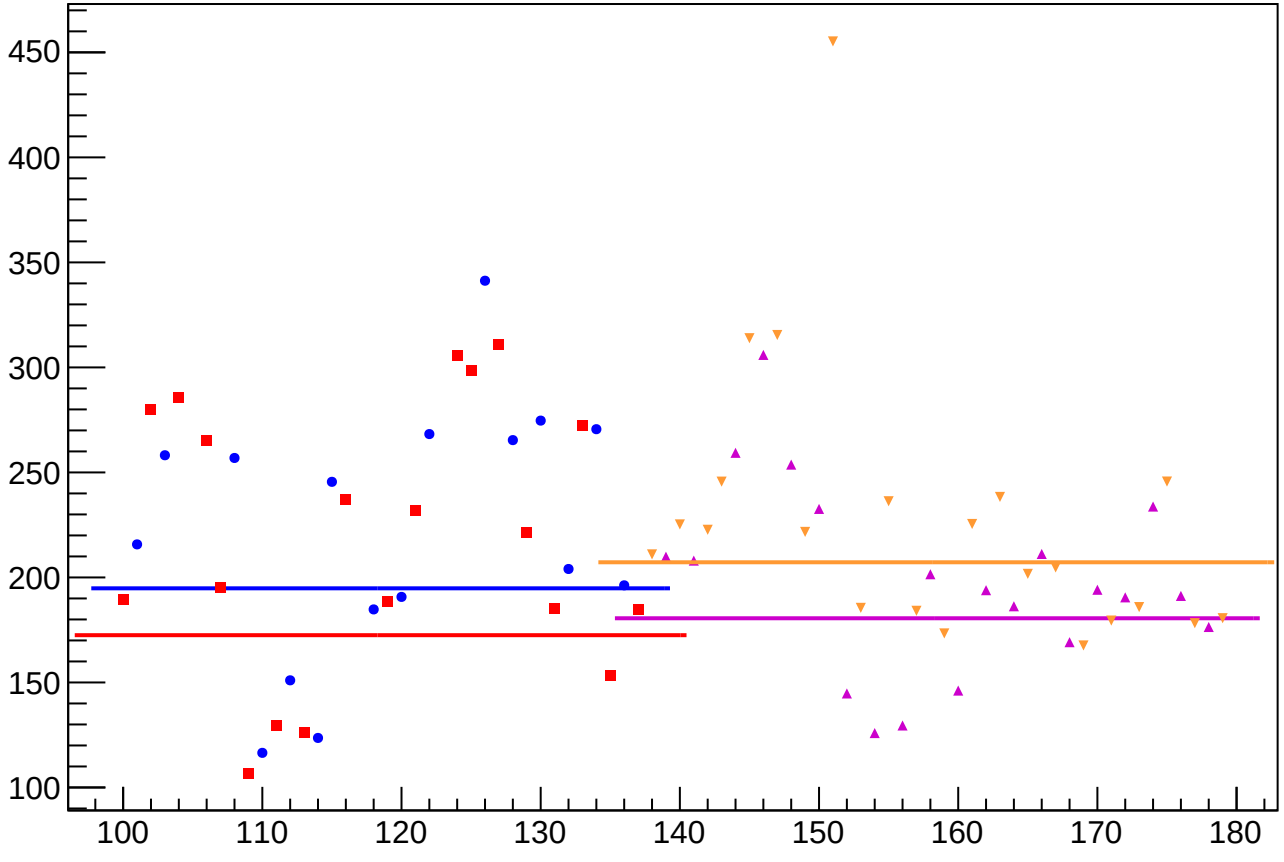
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 66.225+/-40.007 χ^2/NDF:25.2/35

Out: 35.356+/-41.023 χ^2/NDF:31.1/40

All: 51.177+/-28.642 χ^2/NDF: 56.6/76

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 207.219+/-0.036 χ^2/NDF:1350720.0/21

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.562+/-0.033 χ^2/NDF:1613616.3/19

Left: 192.719+/-0.024 χ^2/NDF: 3258740.5/41

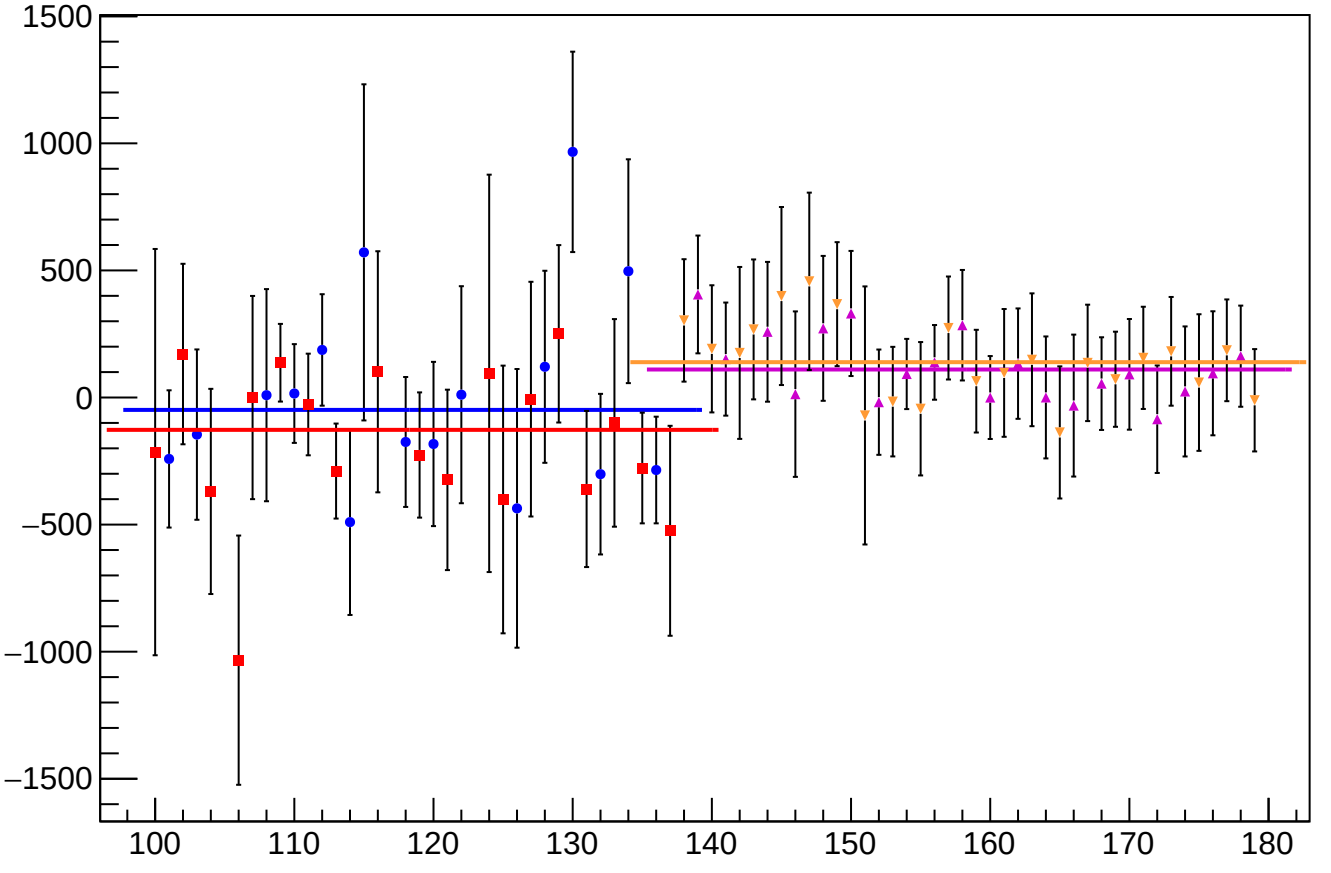
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.454+/-0.028 χ^2/NDF:2703114.8/35

Out: 194.754+/-0.029 χ^2/NDF:3322334.6/40

All: 189.475+/-0.020 χ^2/NDF: 6090081.0/76

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 139.038+/-51.293 χ^2/NDF:6.8/21

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 110.191+/-46.965 χ^2/NDF:6.3/19

Left: 123.347+/-34.638 χ^2/NDF: 13.3/41

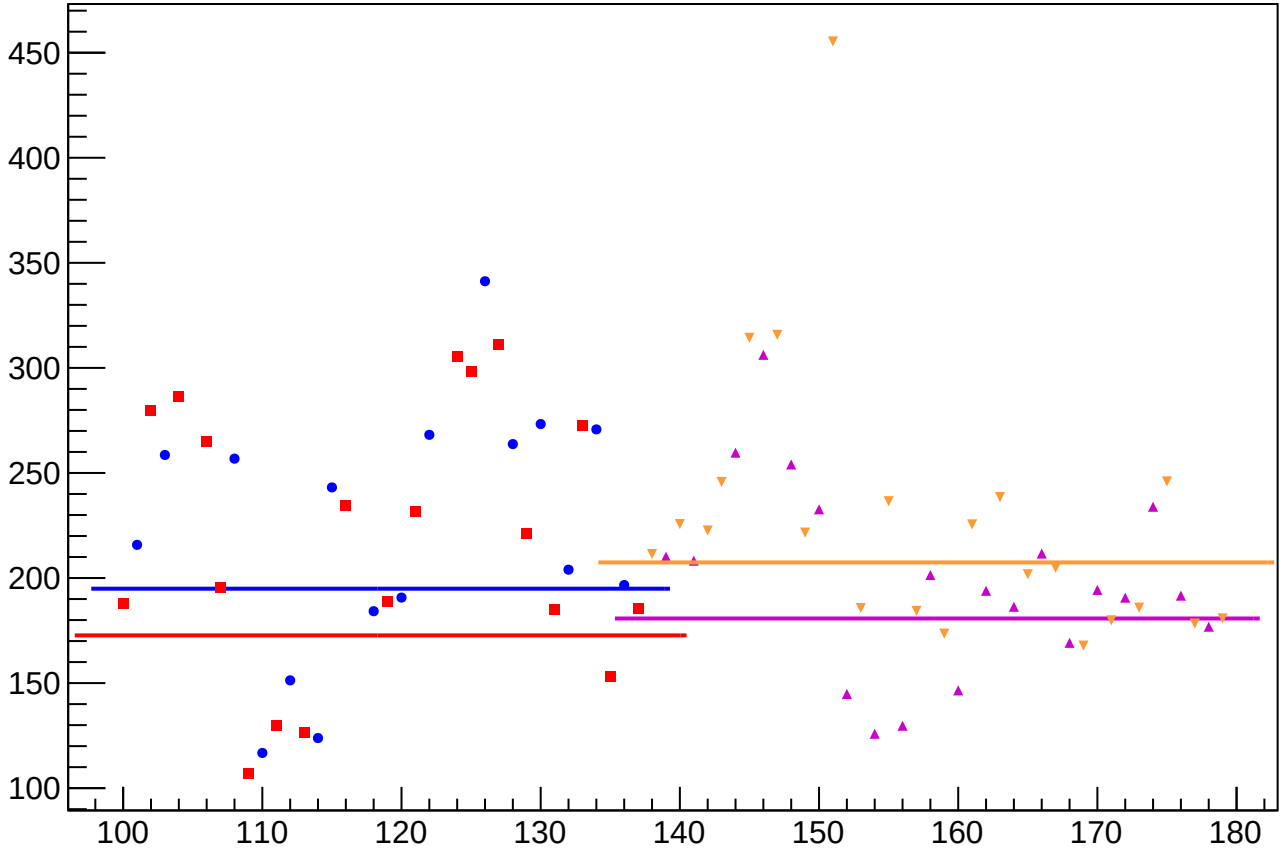
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 66.760+/-40.037 χ^2/NDF:24.9/35

Out: 43.382+/-41.059 χ^2/NDF:29.3/40

All: 55.366+/-28.665 χ^2/NDF: 54.4/76

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 207.431+/-0.036 χ^2/NDF:1349230.5/21

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.744+/-0.033 χ^2/NDF:1613376.5/19

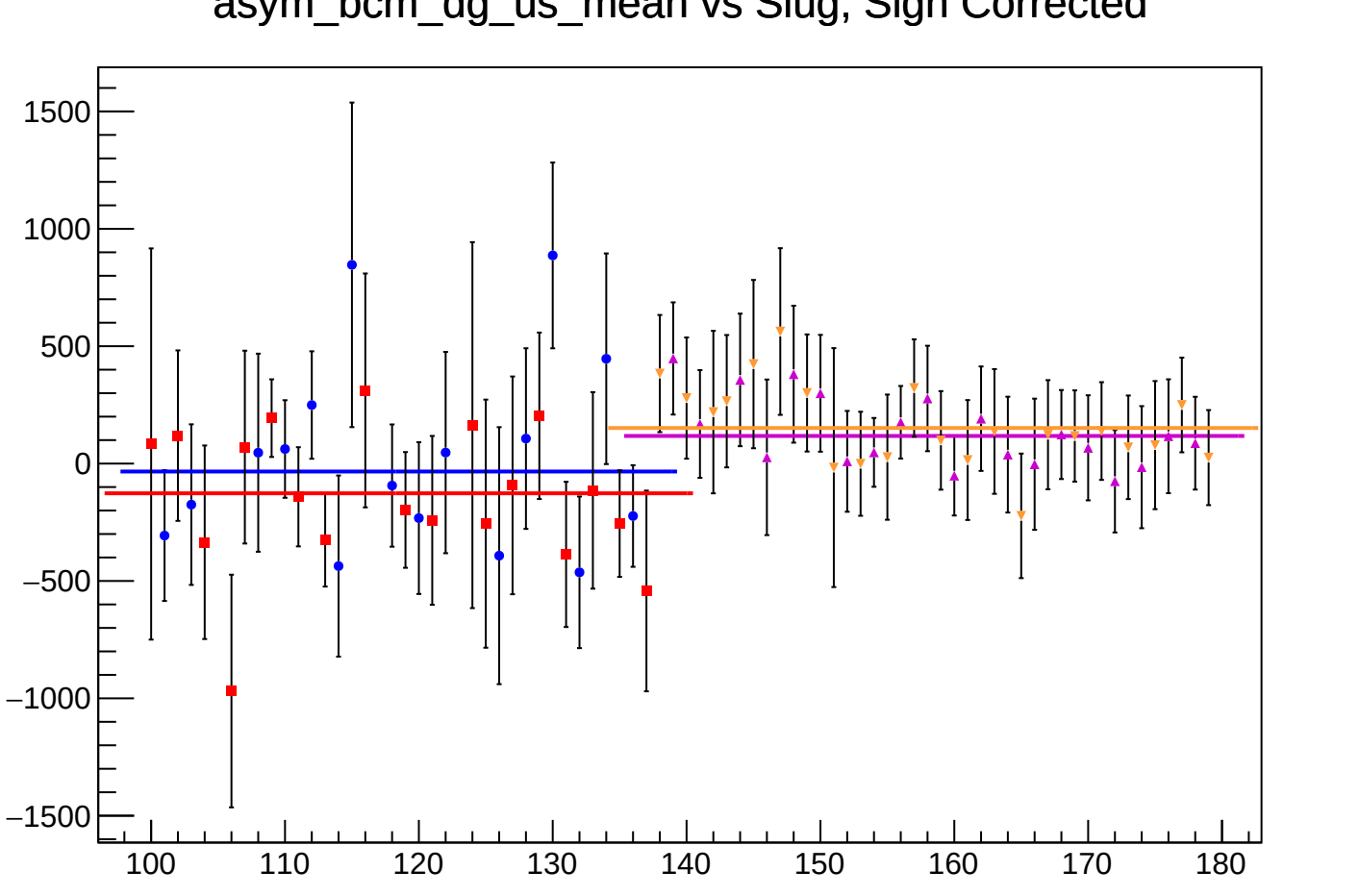
Left: 192.914+/-0.024 χ^2/NDF: 3257091.8/41

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.618+/-0.028 χ^2/NDF:2692086.6/35

Out: 194.956+/-0.029 χ^2/NDF:3309891.6/40

All: 189.657+/-0.020 χ^2/NDF: 6066963.5/76



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 151.573+/-52.501 χ^2/NDF:8.3/21

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 117.742+/-48.428 χ^2/NDF:7.7/19

Left: 133.295+/-35.597 χ^2/NDF: 16.3/41

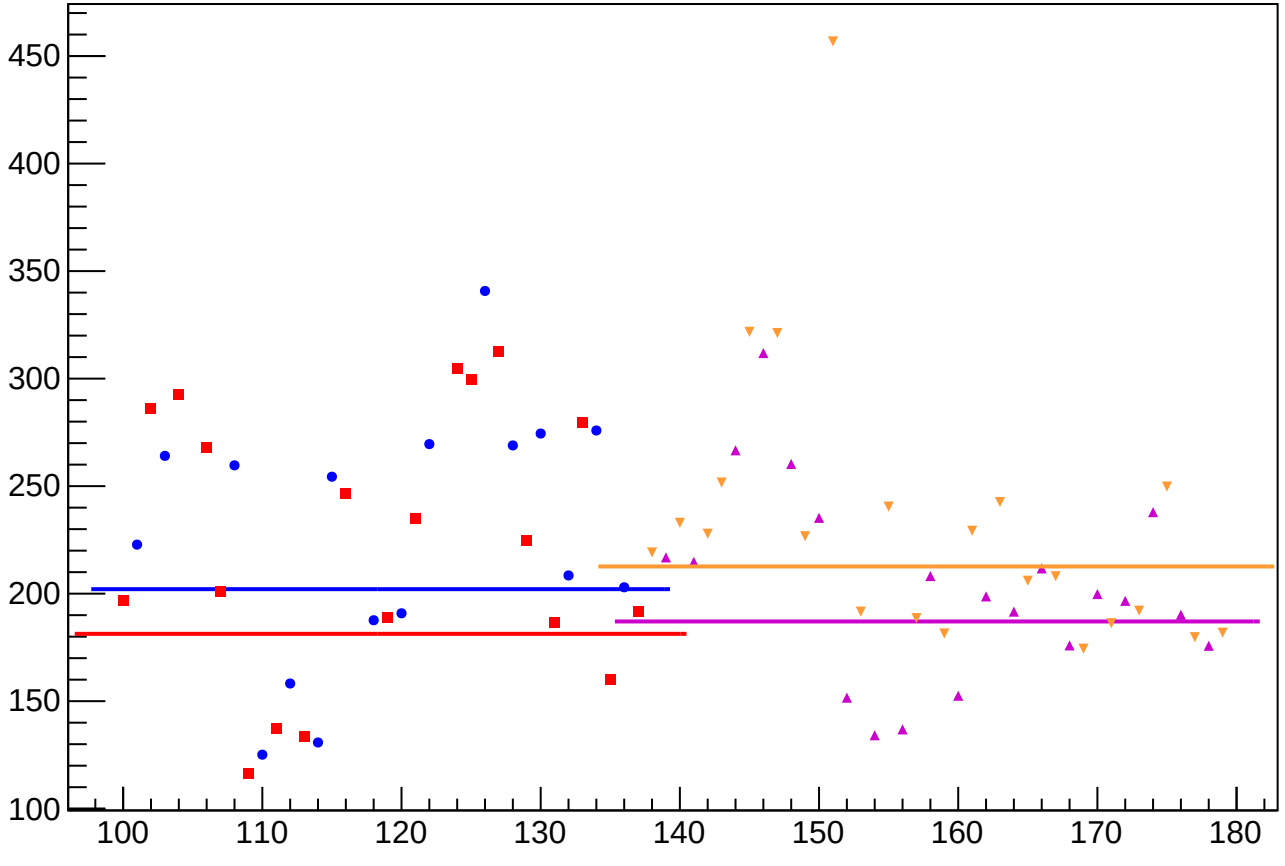
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 76.365+/-41.287 χ^2/NDF:26.2/35

Out: 53.803+/-42.278 χ^2/NDF:30.8/40

All: 65.352+/-29.539 χ^2/NDF: 57.1/76

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 212.646+/-0.037 χ^2/NDF:1305244.7/21

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 187.071+/-0.034 χ^2/NDF:1453021.0/19

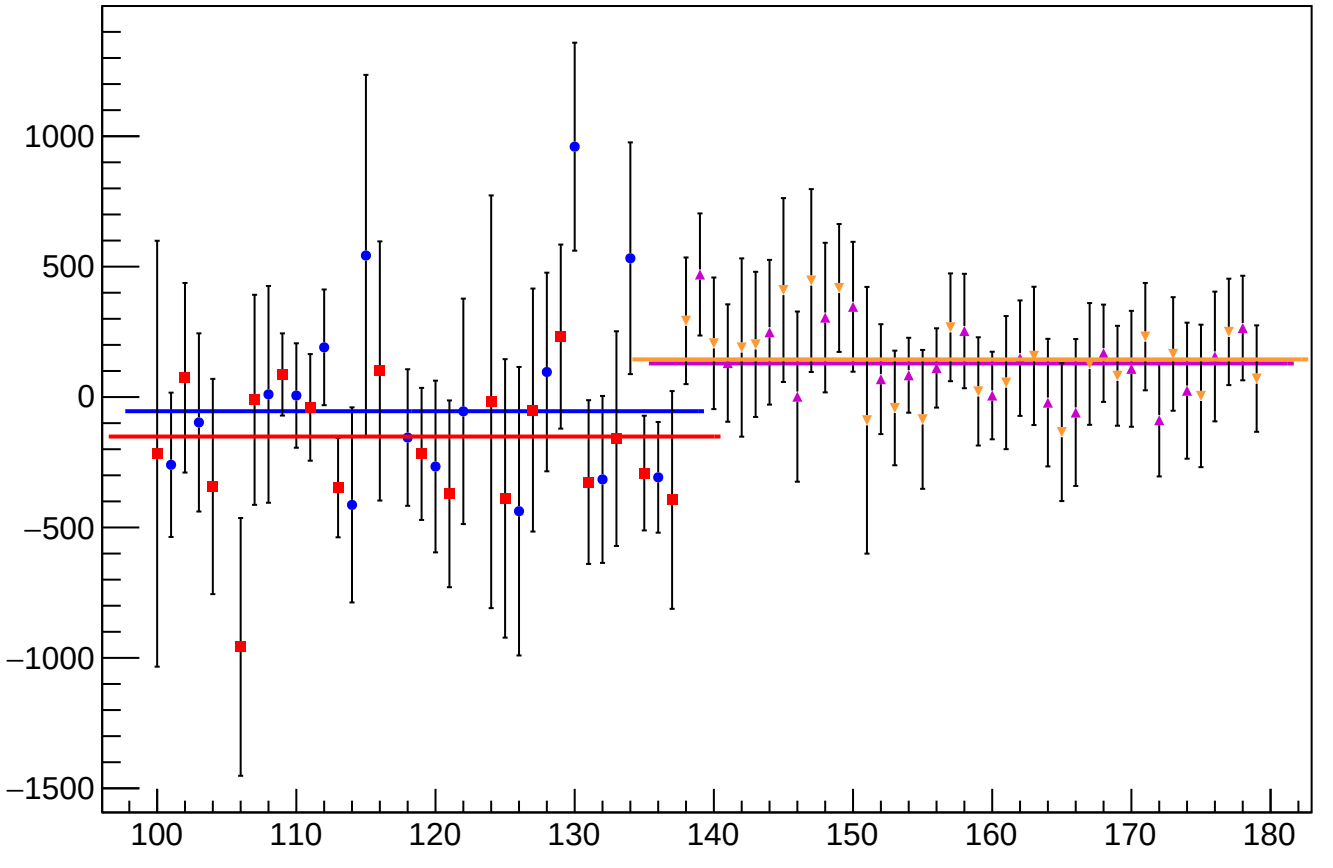
Left: 198.828+/-0.025 χ^2/NDF: 3014688.6/41

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.173+/-0.029 χ^2/NDF:2415830.0/35

Out: 201.631+/-0.030 χ^2/NDF:2996647.5/40

All: 196.278+/-0.021 χ^2/NDF: 5475117.1/76



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 144.391+/-52.134 χ^2/NDF:7.6/21

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 128.937+/-47.933 χ^2/NDF:7.2/19

Left: 136.016+/-35.286 χ^2/NDF: 14.9/41

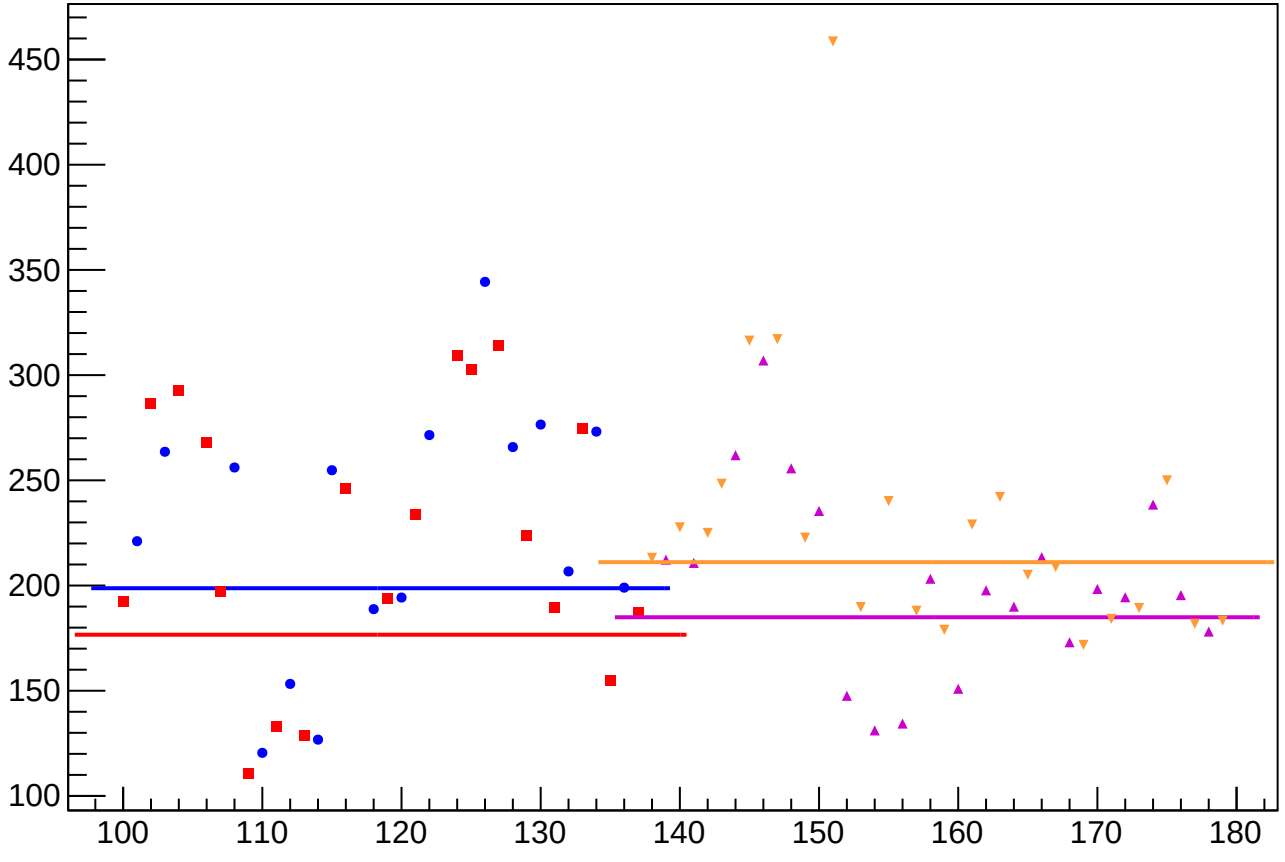
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 78.670+/-40.830 χ^2/NDF:26.3/35

Out: 38.682+/-41.791 χ^2/NDF:29.4/40

All: 59.141+/-29.205 χ^2/NDF: 56.1/76

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 211.101+/-0.037 χ^2/NDF:1293719.6/21

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 184.926+/-0.034 χ^2/NDF:1489669.9/19

Left: 196.916+/-0.025 χ^2/NDF: 3056595.9/41

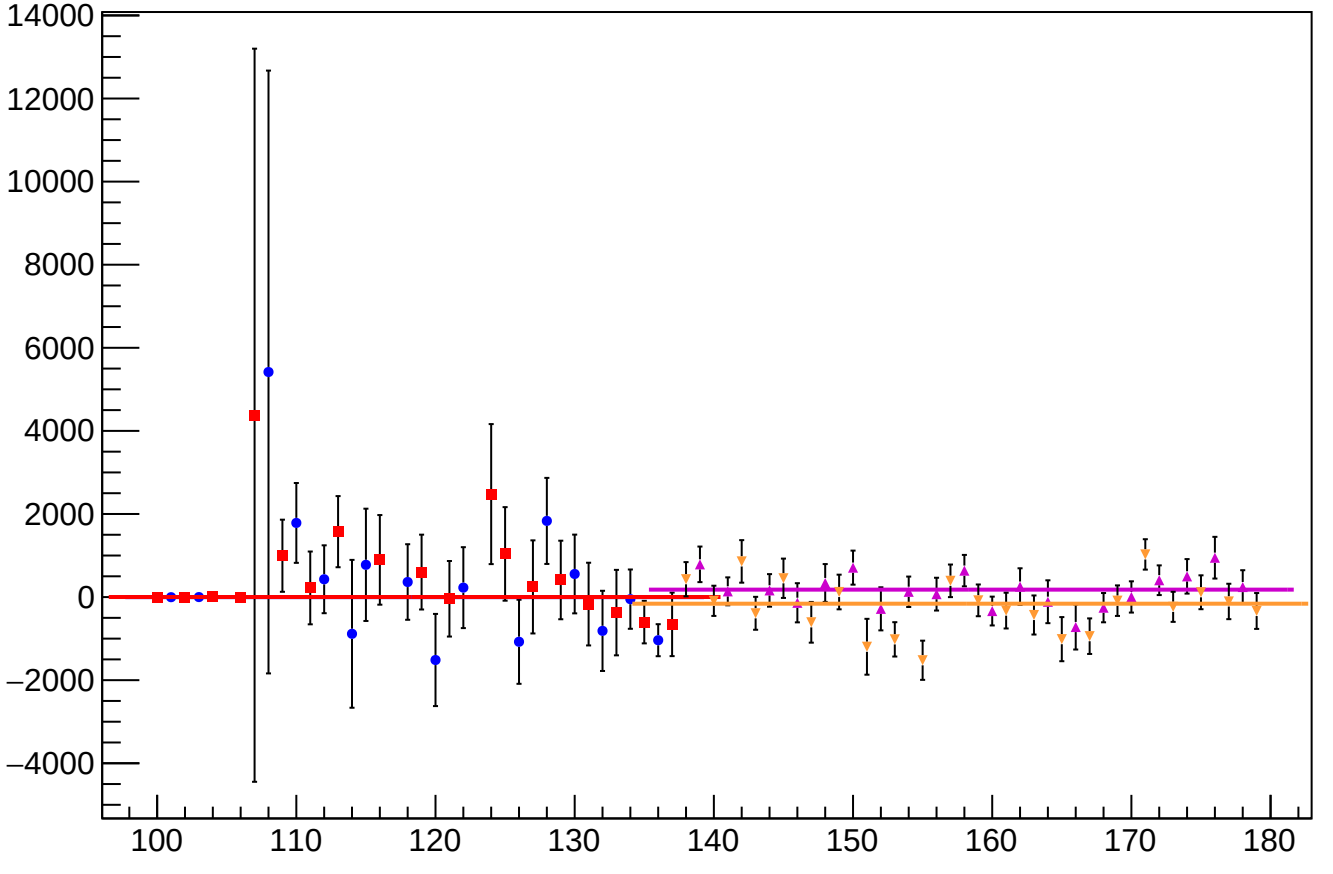
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 188.711+/-0.029 χ^2/NDF:2529178.2/35

Out: 198.777+/-0.030 χ^2/NDF:3202108.6/40

All: 193.627+/-0.021 χ^2/NDF: 5790657.9/76

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -159.481+/-90.437 χ^2/NDF:44.0/21

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 178.992+/-91.243 χ^2/NDF:17.0/19

Left: 8.255+/-64.232 χ^2/NDF: 68.0/41

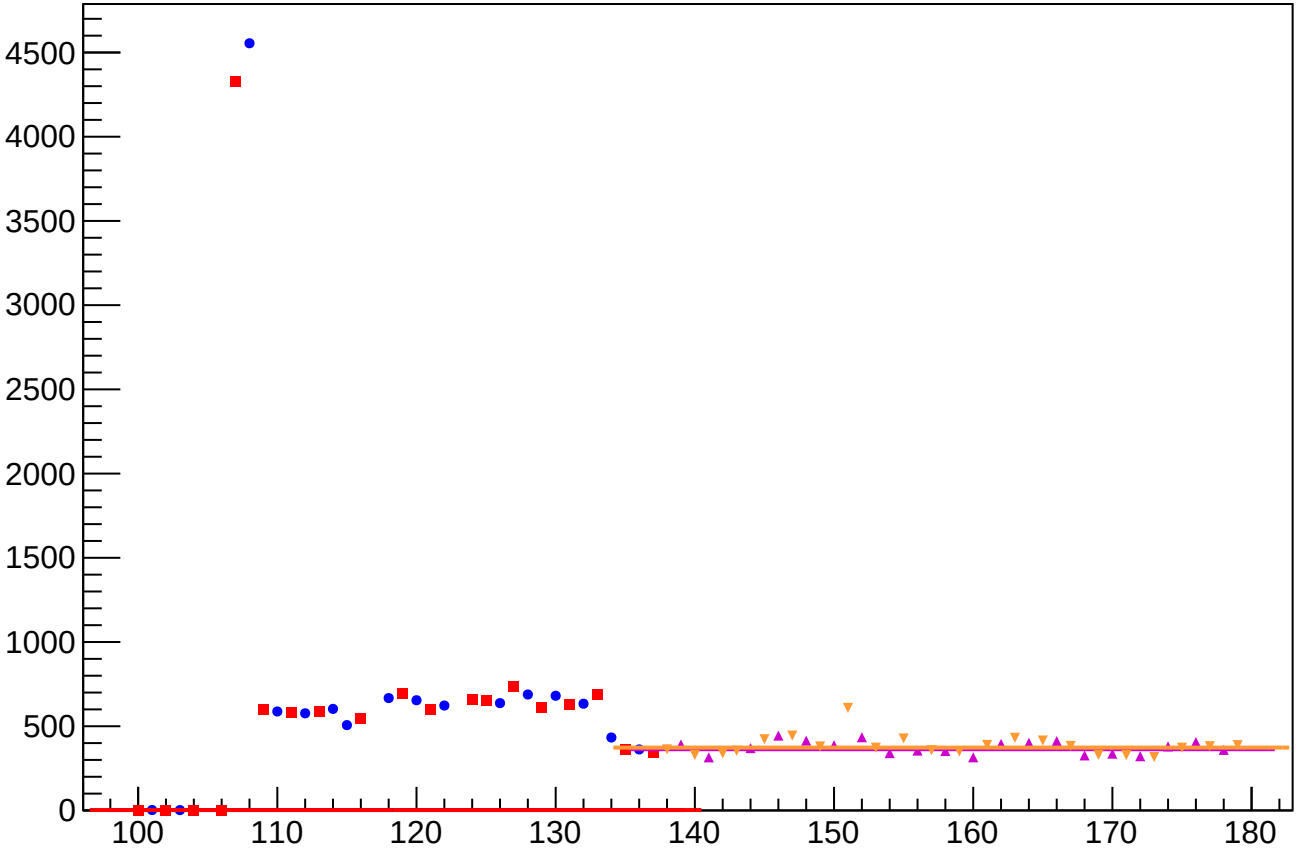
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.137+/-2.170 χ^2/NDF:40.8/35

Out: 1.297+/-2.022 χ^2/NDF:64.0/40

All: 0.166+/-1.479 χ^2/NDF: 105.5/76

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 373.261+/-0.064 χ^2/NDF:545649.0/21

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 363.537+/-0.065 χ^2/NDF:340393.8/19

Left: 368.442+/-0.045 χ^2/NDF: 897501.4/41

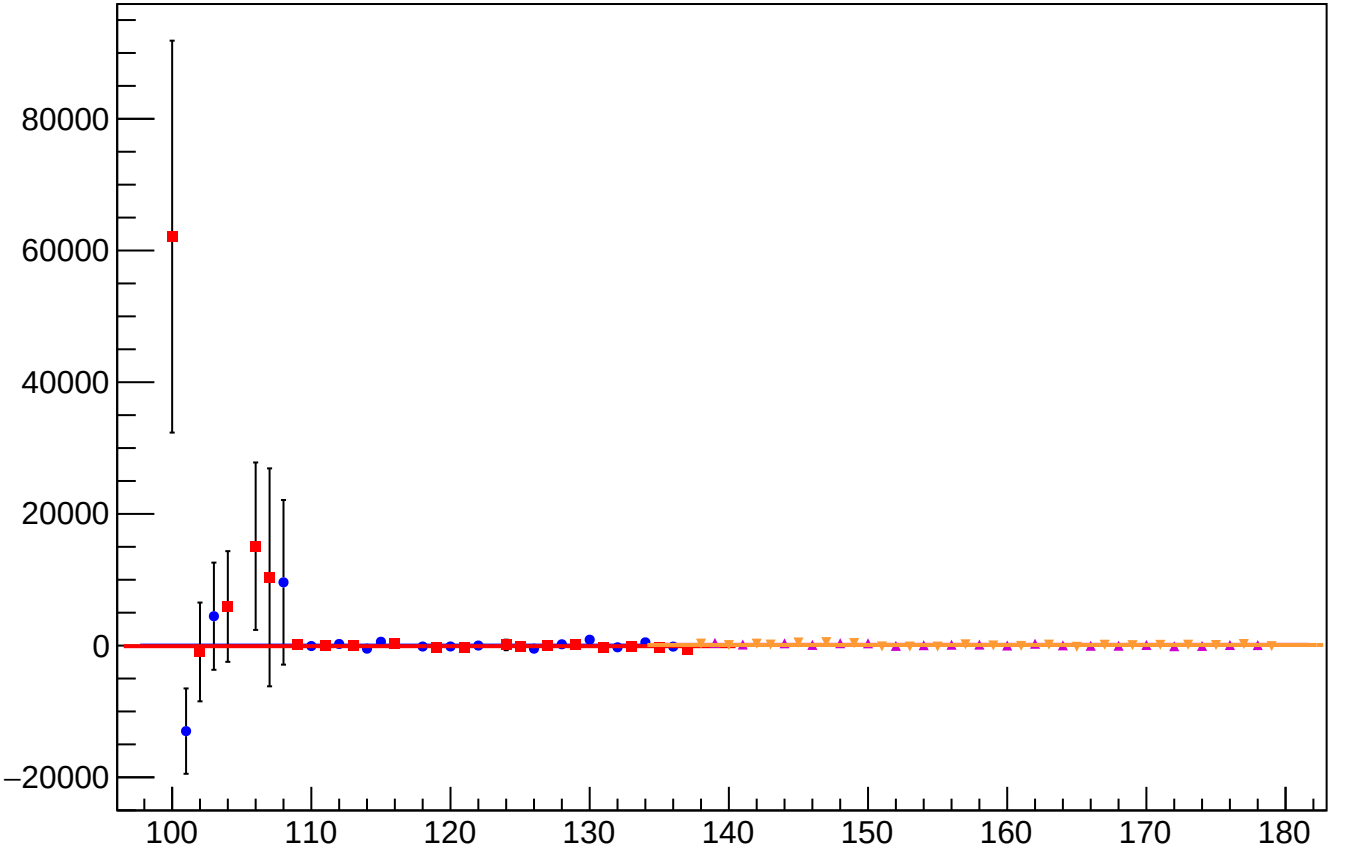
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.681+/-0.002 χ^2/NDF:43266510.2/35

Out: 2.648+/-0.001 χ^2/NDF:45695181.2/40

All: 2.663+/-0.001 χ^2/NDF: 88961946.0/76

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 96.443+/-53.261 χ^2/NDF:9.9/21

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 113.270+/-50.634 χ^2/NDF:7.2/19

Left: 105.282+/-36.697 χ^2/NDF: 17.1/41

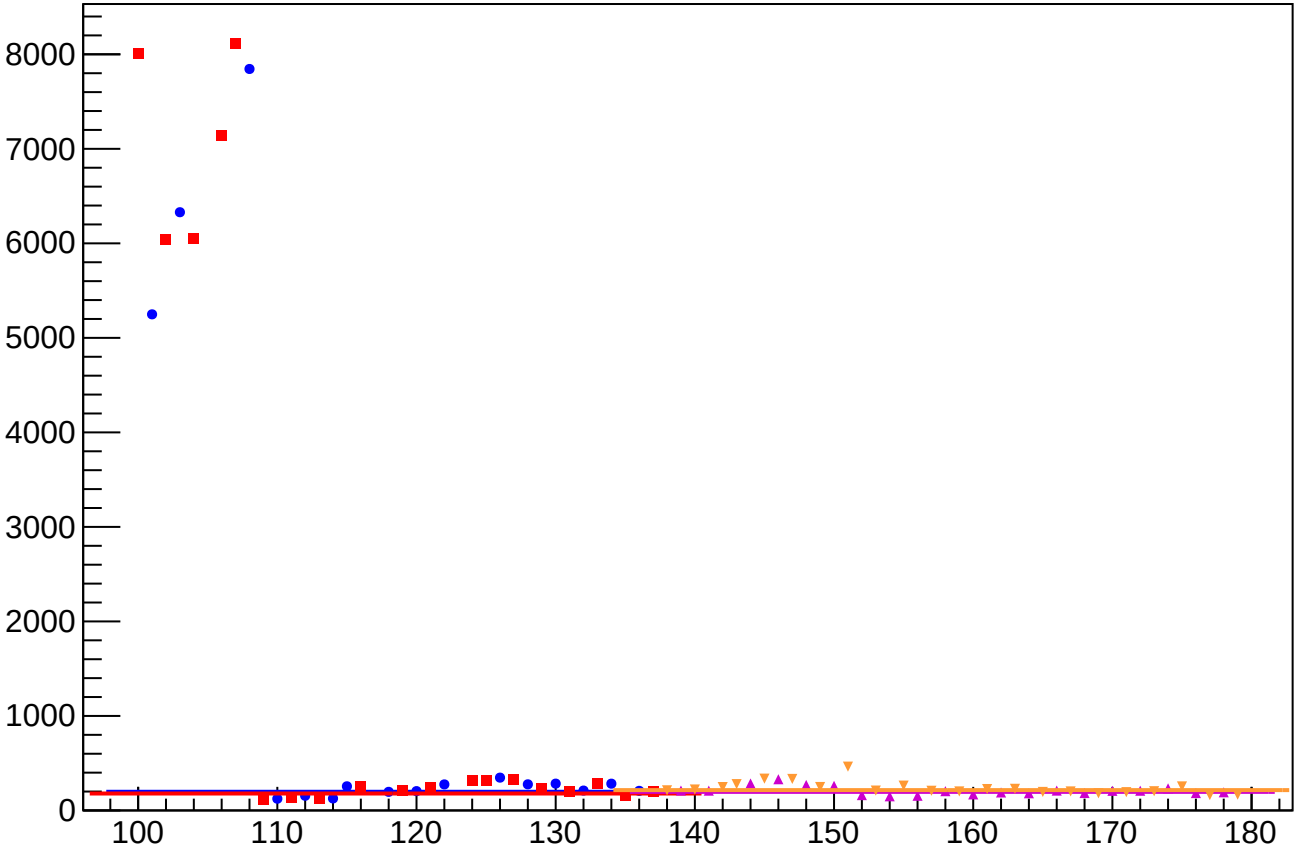
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 85.155+/-43.866 χ^2/NDF:25.3/35

Out: 41.317+/-44.602 χ^2/NDF:28.4/40

All: 63.601+/-31.275 χ^2/NDF: 54.1/76

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 215.180+/-0.038 χ^2/NDF:1524749.9/21

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 196.721+/-0.036 χ^2/NDF:1144001.3/19

Left: 205.484+/-0.026 χ^2/NDF: 2794933.1/41

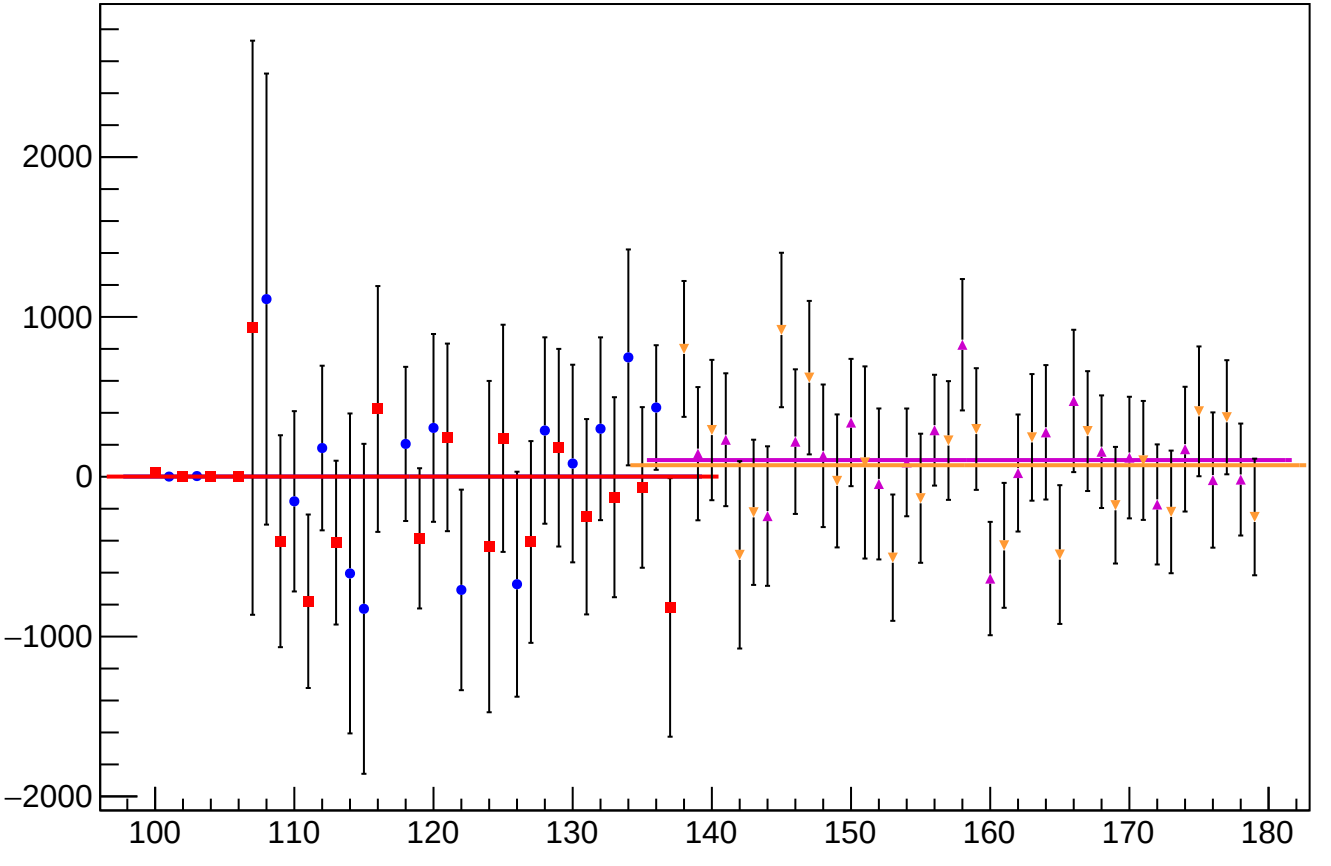
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.945+/-0.031 χ^2/NDF:5101351.0/35

Out: 204.446+/-0.032 χ^2/NDF:6215066.4/40

All: 200.633+/-0.022 χ^2/NDF: 11345173.2/76

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.186+/-87.502 χ^2/NDF:18.9/21

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 104.448+/-88.053 χ^2/NDF:10.7/19

Left: 88.216+/-62.067 χ^2/NDF: 29.7/41

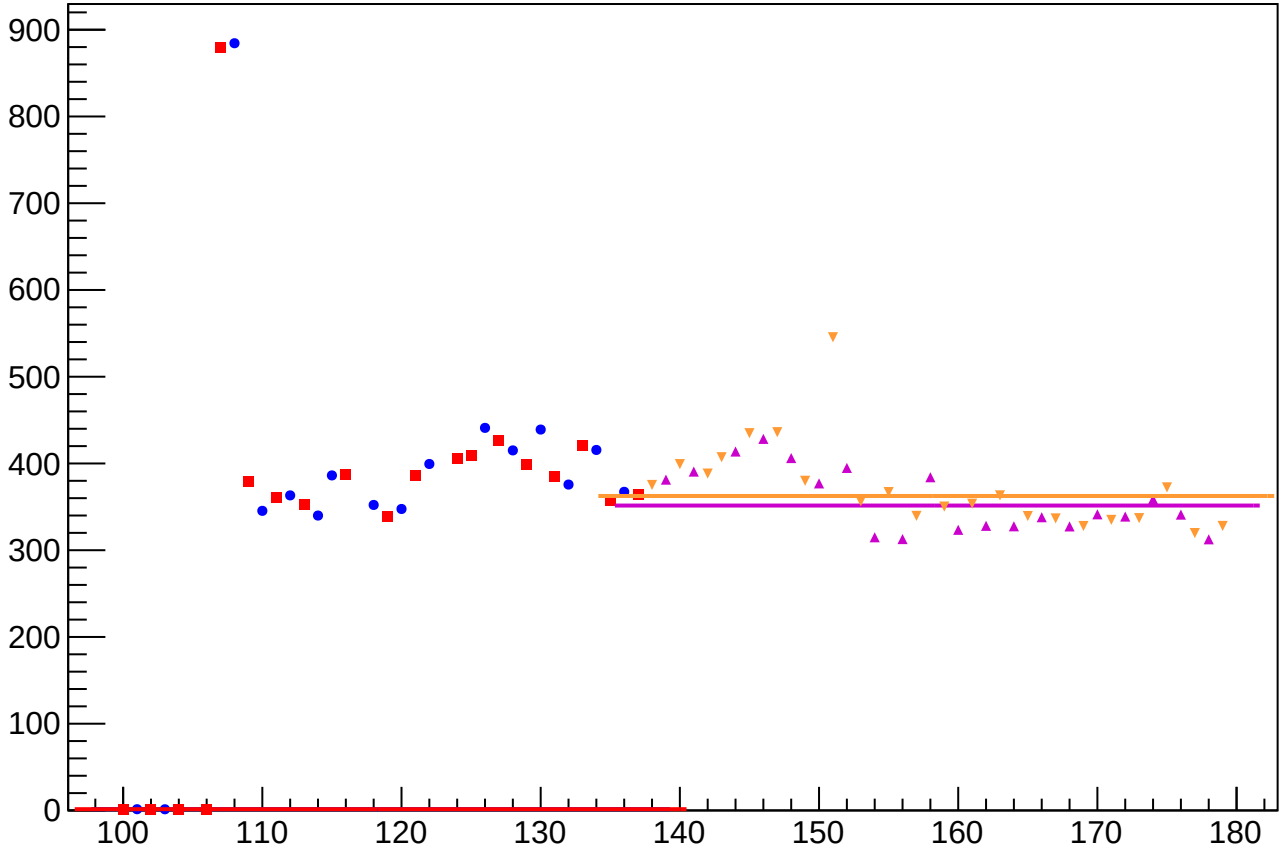
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.492+/-1.660 χ^2/NDF:20.0/35

Out: 1.115+/-1.528 χ^2/NDF:28.8/40

All: 1.288+/-1.124 χ^2/NDF: 48.8/76

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 362.519+/-0.062 χ^2/NDF:431807.9/21

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 351.493+/-0.062 χ^2/NDF:311121.4/19

Left: 357.041+/-0.044 χ^2/NDF: 758709.7/41

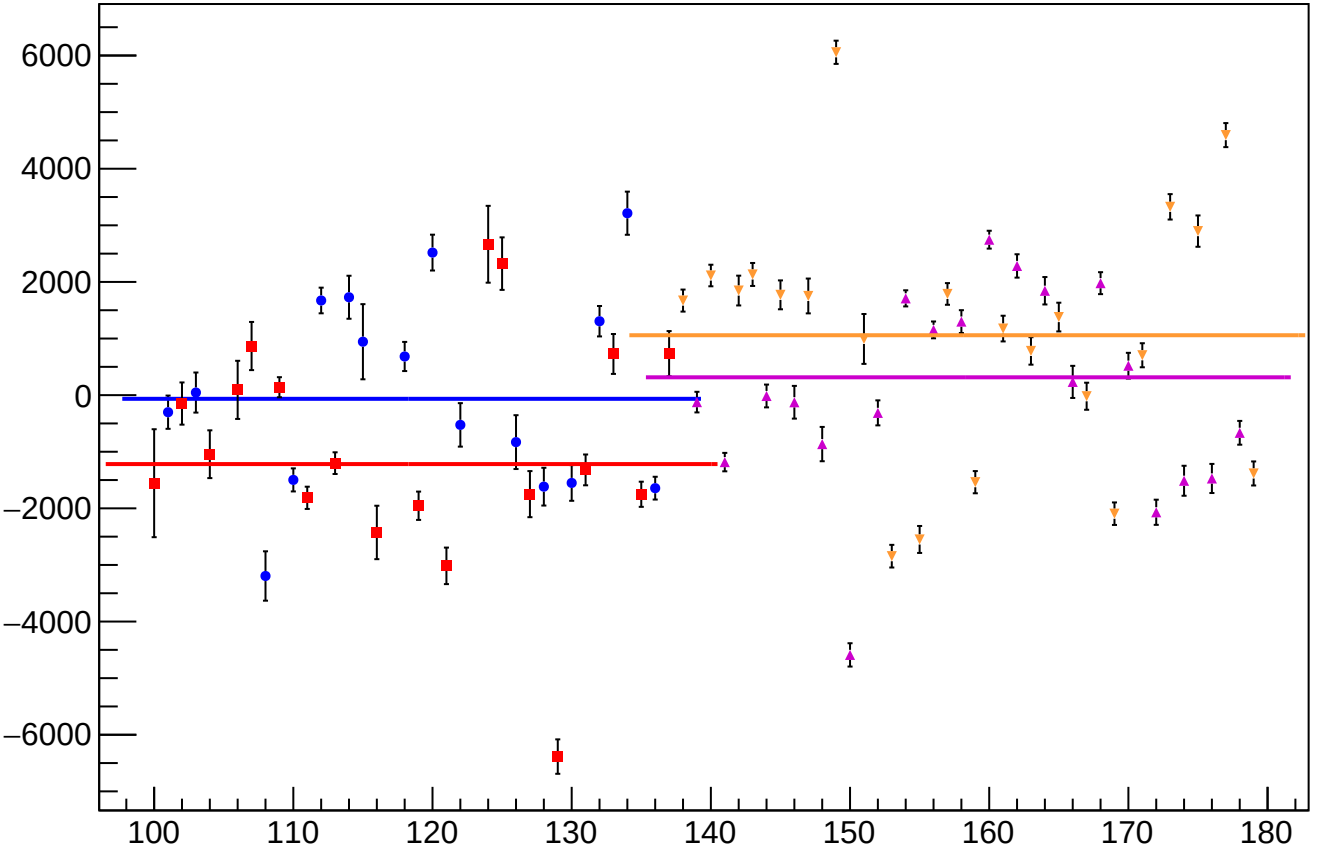
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.595+/-0.001 χ^2/NDF:43638323.7/35

Out: 1.577+/-0.001 χ^2/NDF:45742923.4/40

All: 1.585+/-0.001 χ^2/NDF: 89381365.8/76

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1058.312+/-47.811 χ^2/NDF:2317.1/21

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 314.999+/-45.180 χ^2/NDF:1512.3/19

Left: 665.647+/-32.838 χ^2/NDF: 3957.0/41

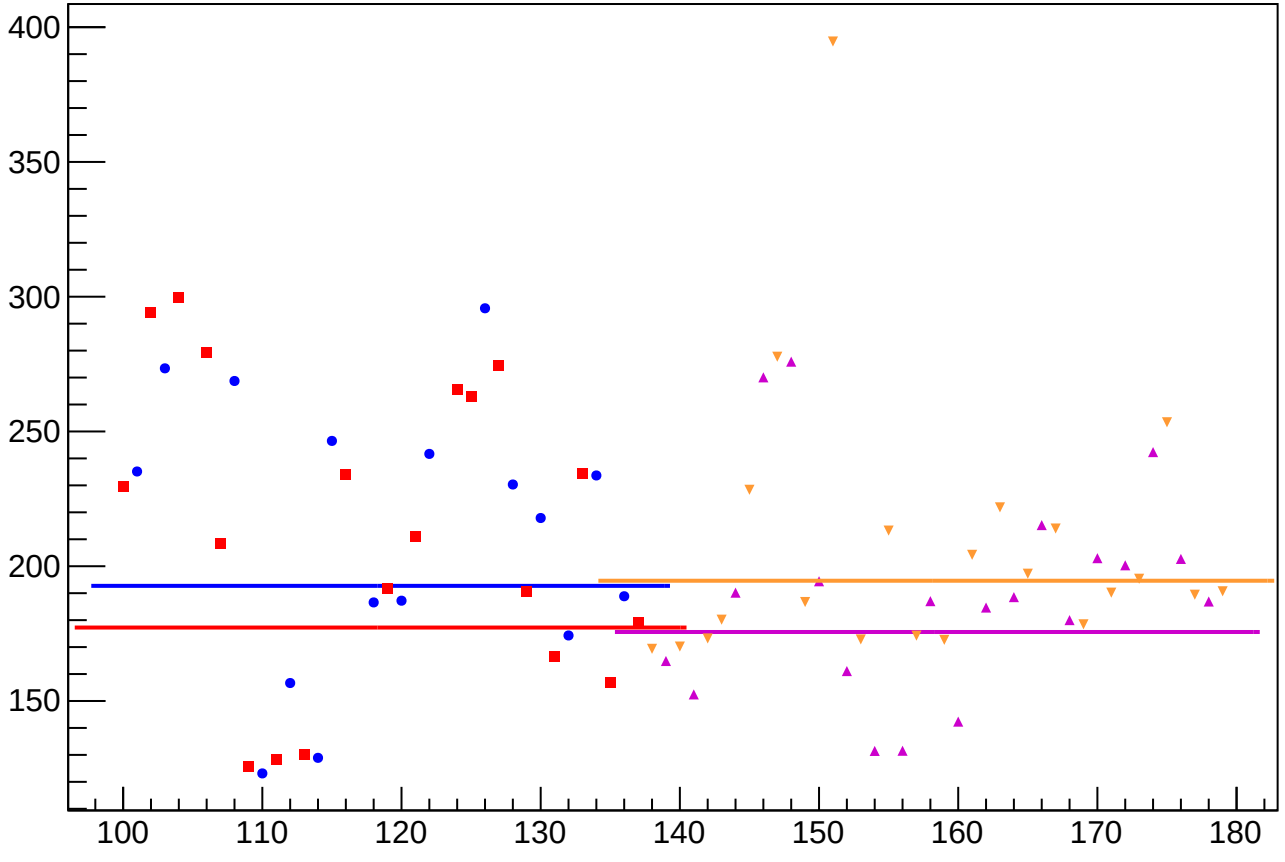
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 213.612+/-38.686 χ^2/NDF:2000.6/35

Out: 320.291+/-39.303 χ^2/NDF:3646.6/40

All: 266.108+/-27.571 χ^2/NDF: 5650.9/76

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.619+/-0.034 χ^2/NDF:918241.3/21

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 175.601+/-0.032 χ^2/NDF:1237163.6/19

Left: 184.572+/-0.023 χ^2/NDF: 2322584.7/41

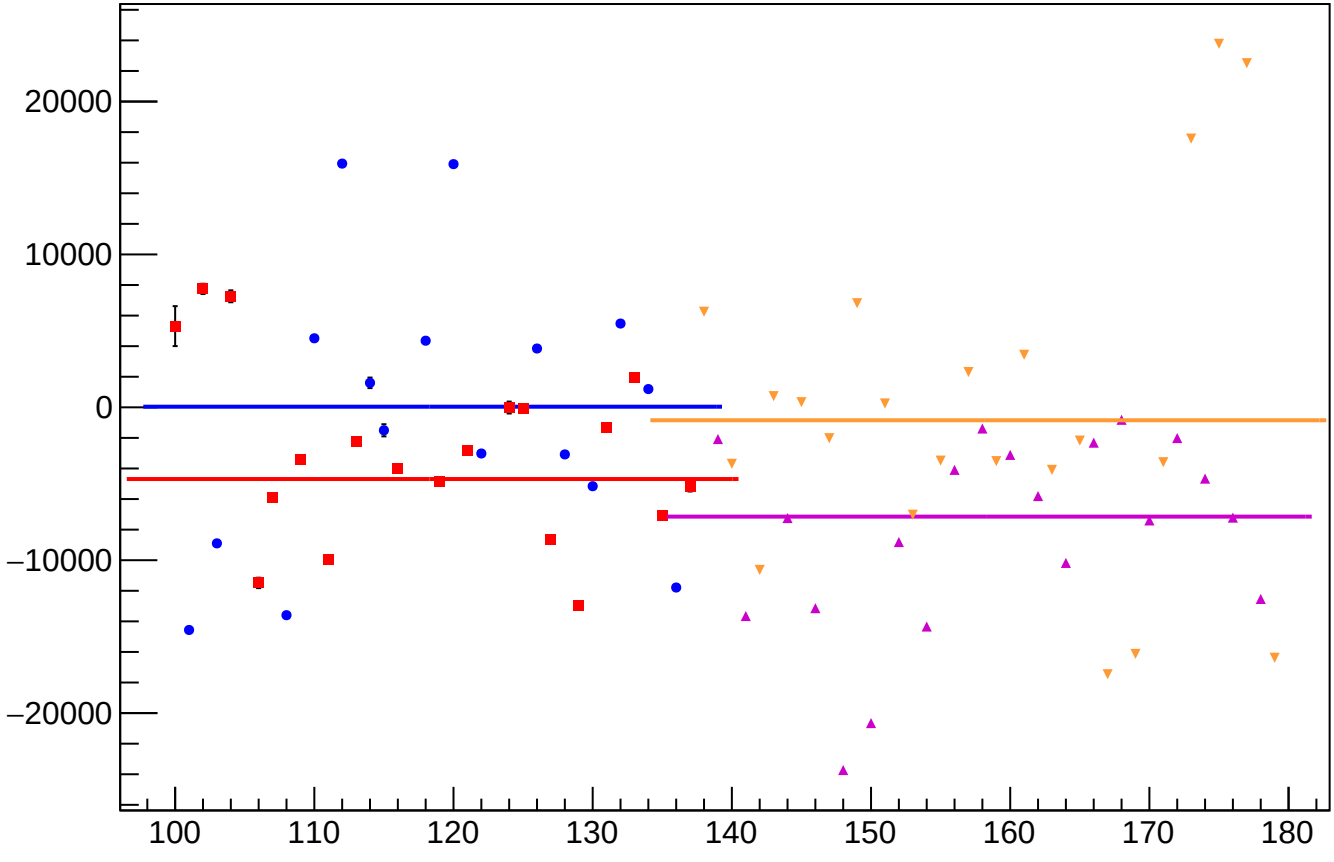
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 180.168+/-0.027 χ^2/NDF:2072916.9/35

Out: 188.988+/-0.028 χ^2/NDF:2229995.3/40

All: 184.508+/-0.019 χ^2/NDF: 4354065.8/76

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7148.113+/-43.962 χ^2/NDF:18173.8/19

Left: -3870.685+/-30.454 χ^2/NDF: 86435.9/41

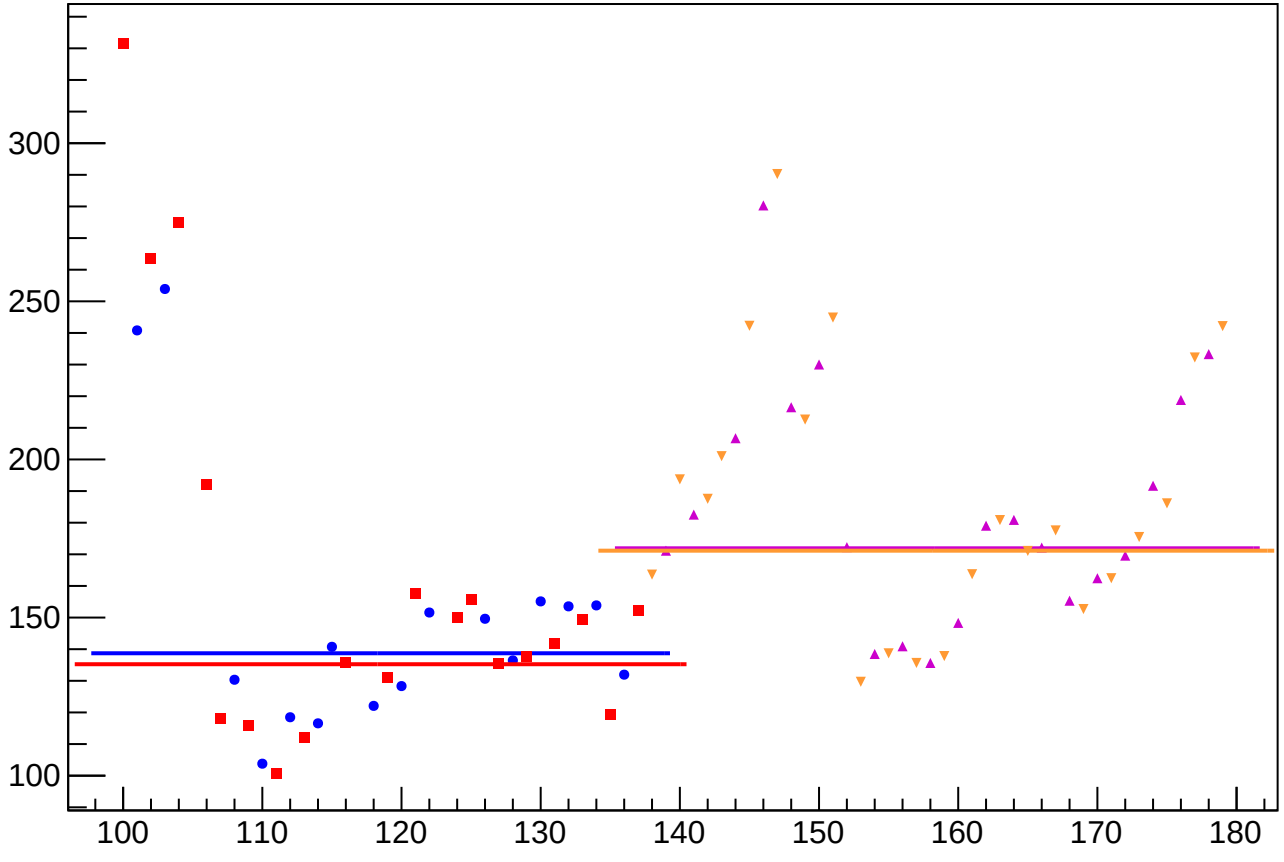
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4295.222+/-34.143 χ^2/NDF:59572.1/35

Out: -2370.601+/-32.804 χ^2/NDF:68655.9/40

All: -3294.442+/-23.655 χ^2/NDF: 129880.3/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 171.902+/-0.031 χ^2/NDF:1064963.4/19

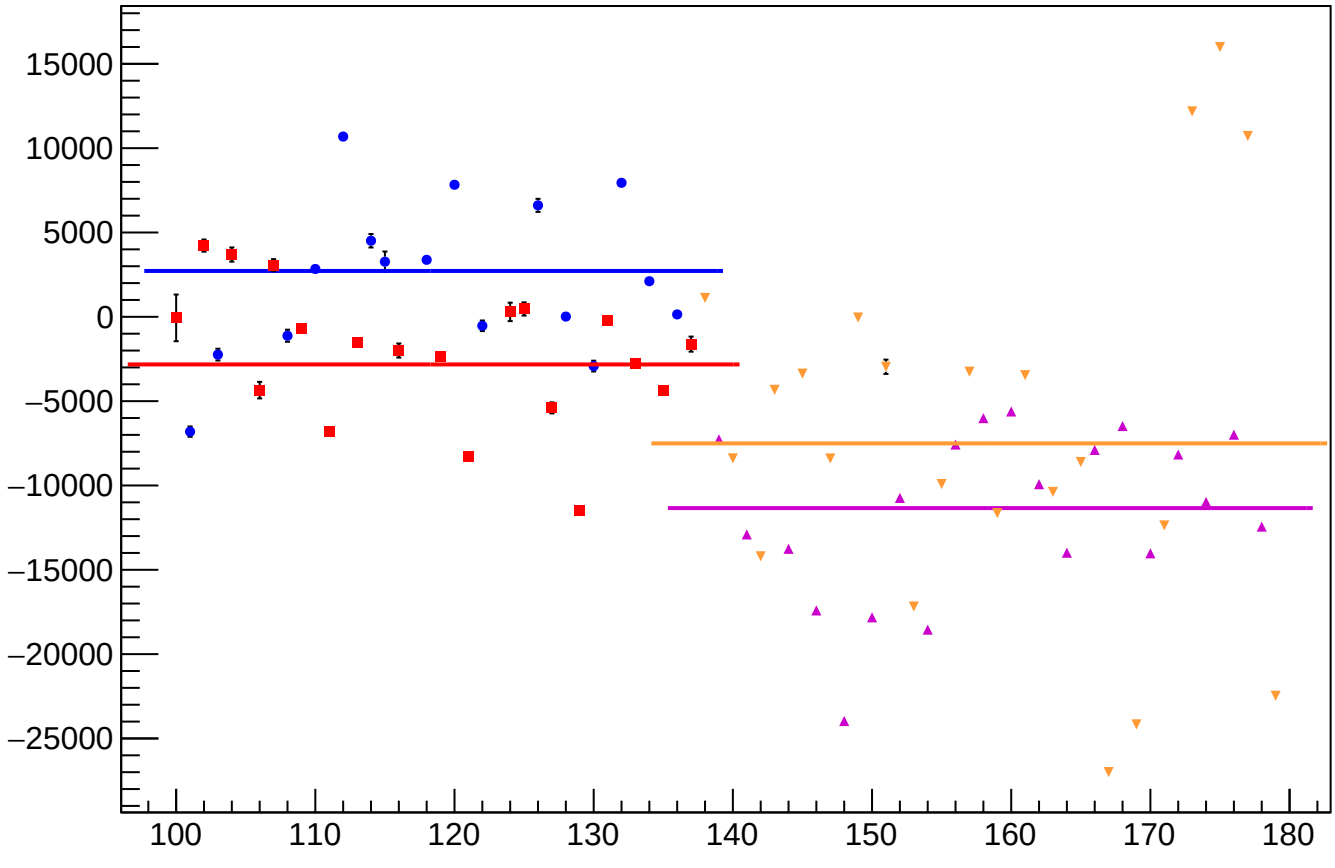
Left: 171.511+/-0.022 χ^2/NDF: 2507466.2/41

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 158.731+/-0.024 χ^2/NDF:2175133.0/35

Out: 156.914+/-0.023 χ^2/NDF:2905588.6/40

All: 157.786+/-0.017 χ^2/NDF: 5083667.4/76



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11341.064+/-46.468 χ^2/NDF:10866.7/19

Left: -9503.938+/-33.543 χ^2/NDF: 64382.0/41

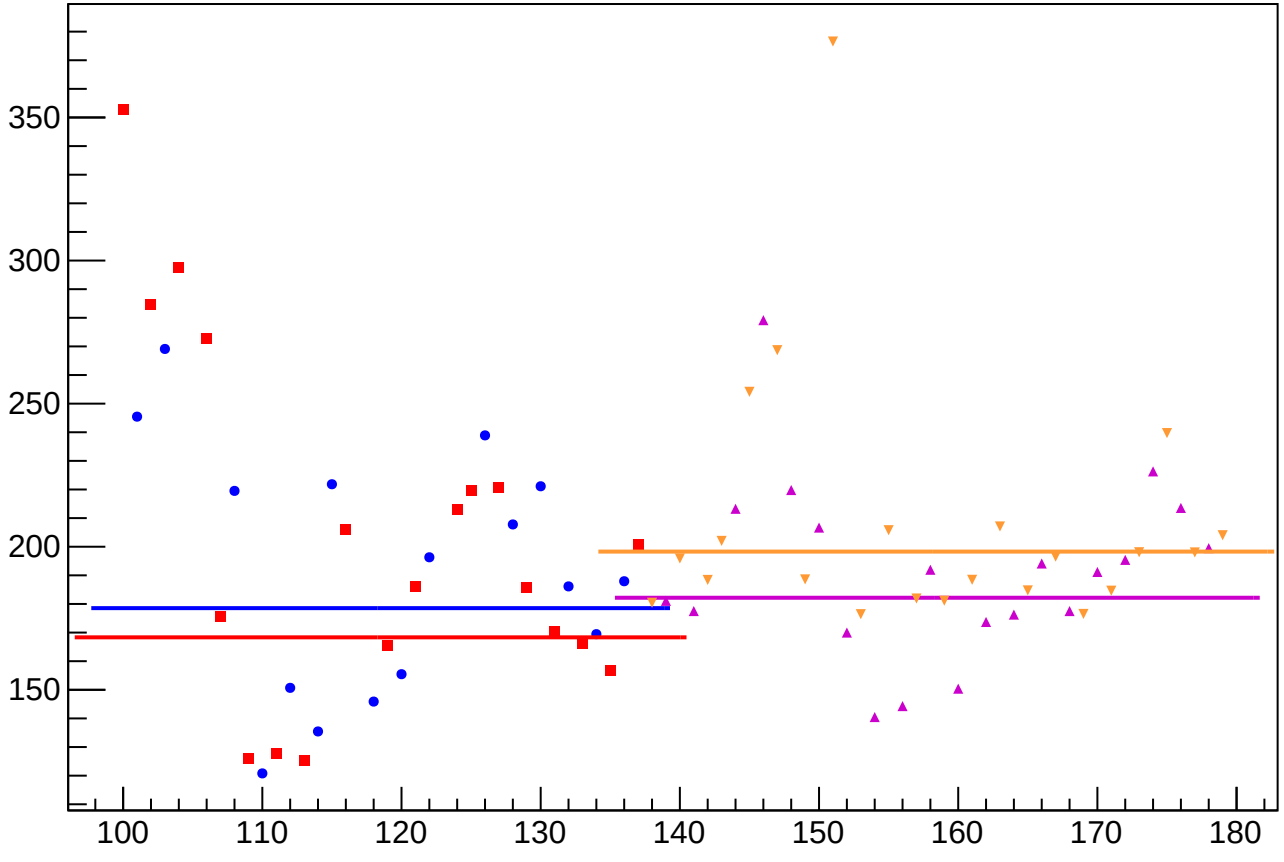
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6975.272+/-38.586 χ^2/NDF:43425.5/35

Out: -5827.187+/-38.824 χ^2/NDF:56657.7/40

All: -6404.771+/-27.368 χ^2/NDF: 100523.1/7

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 182.169+/-0.033 χ^2/NDF:793023.9/19

Left: 189.895+/-0.024 χ^2/NDF: 1626651.8/41

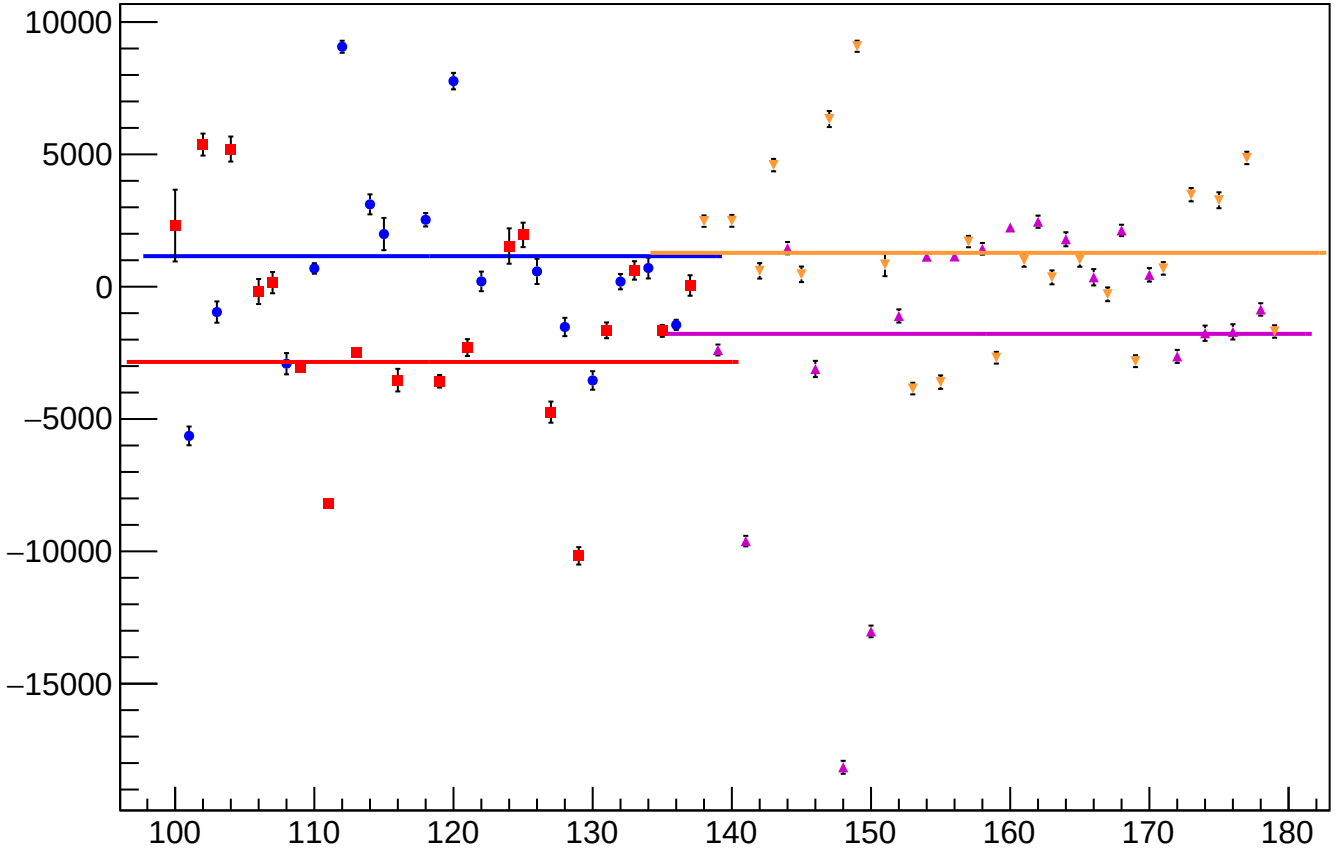
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.043+/-0.027 χ^2/NDF:1471376.3/35

Out: 187.560+/-0.027 χ^2/NDF:1971663.8/40

All: 184.281+/-0.019 χ^2/NDF: 3471392.4/76

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1782.231+/-50.723 χ^2/NDF:11109.4/19

Left: -315.738+/-36.611 χ^2/NDF: 16907.8/41

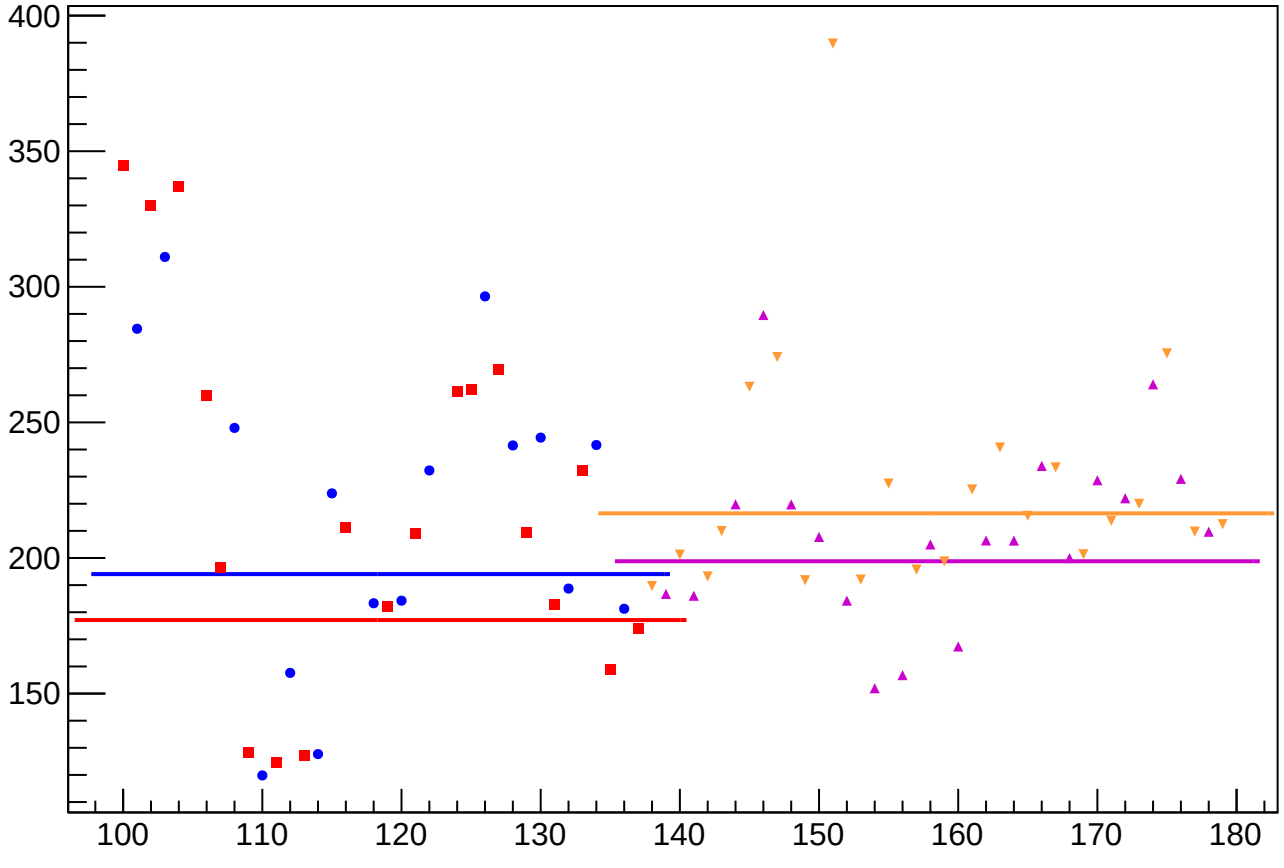
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -876.729+/-42.182 χ^2/NDF:14798.1/35

Out: -243.174+/-42.011 χ^2/NDF:8749.7/40

All: -558.663+/-29.767 χ^2/NDF: 23661.1/76

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 198.799+/-0.036 χ^2/NDF:767631.5/19

Left: 207.258+/-0.026 χ^2/NDF: 1575027.7/41

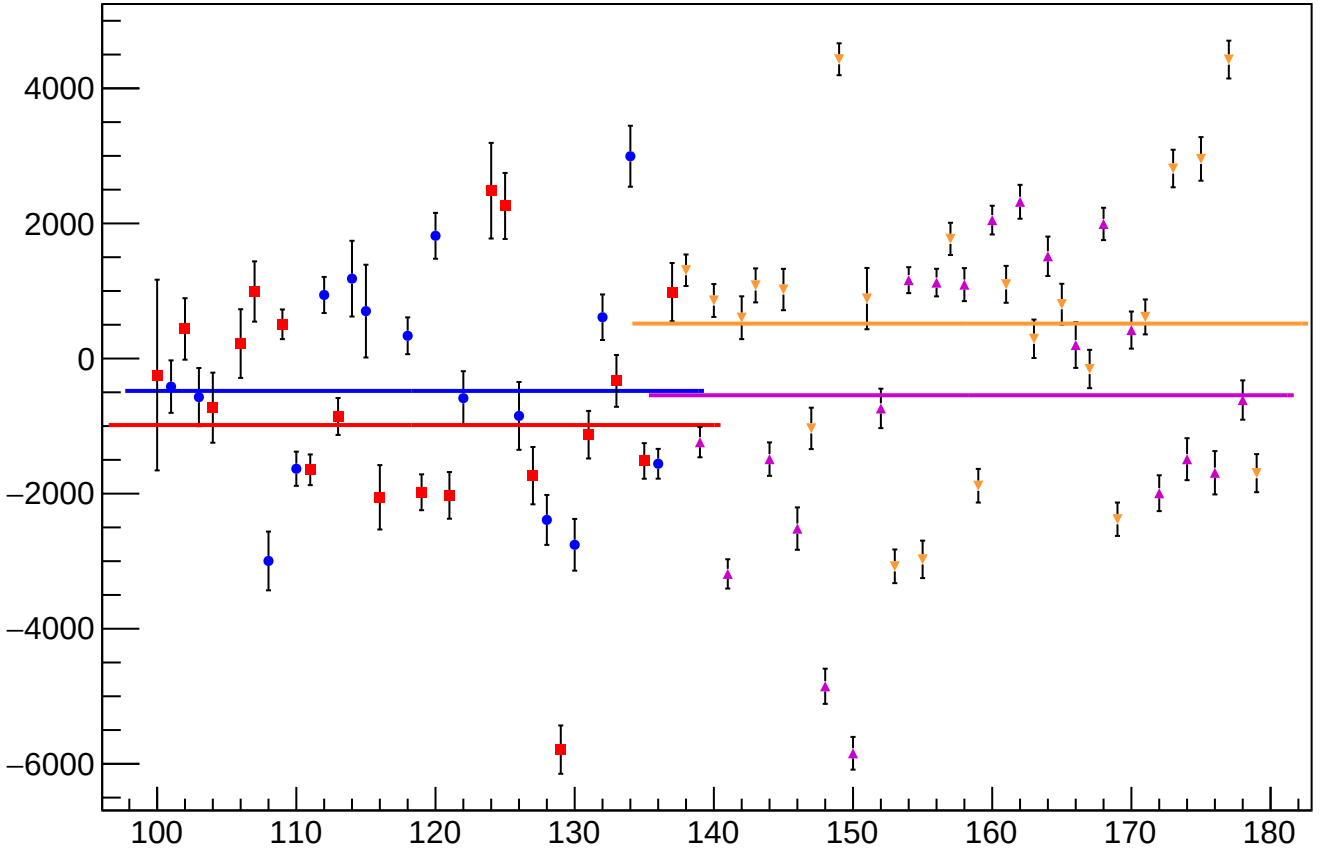
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 197.335+/-0.030 χ^2/NDF:1738818.5/35

Out: 201.931+/-0.030 χ^2/NDF:2459121.3/40

All: 199.643+/-0.021 χ^2/NDF: 4209859.1/76

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -543.714+/-56.411 χ^2/NDF:1665.1/19

Left: -28.845+/-40.473 χ^2/NDF: 3176.7/41

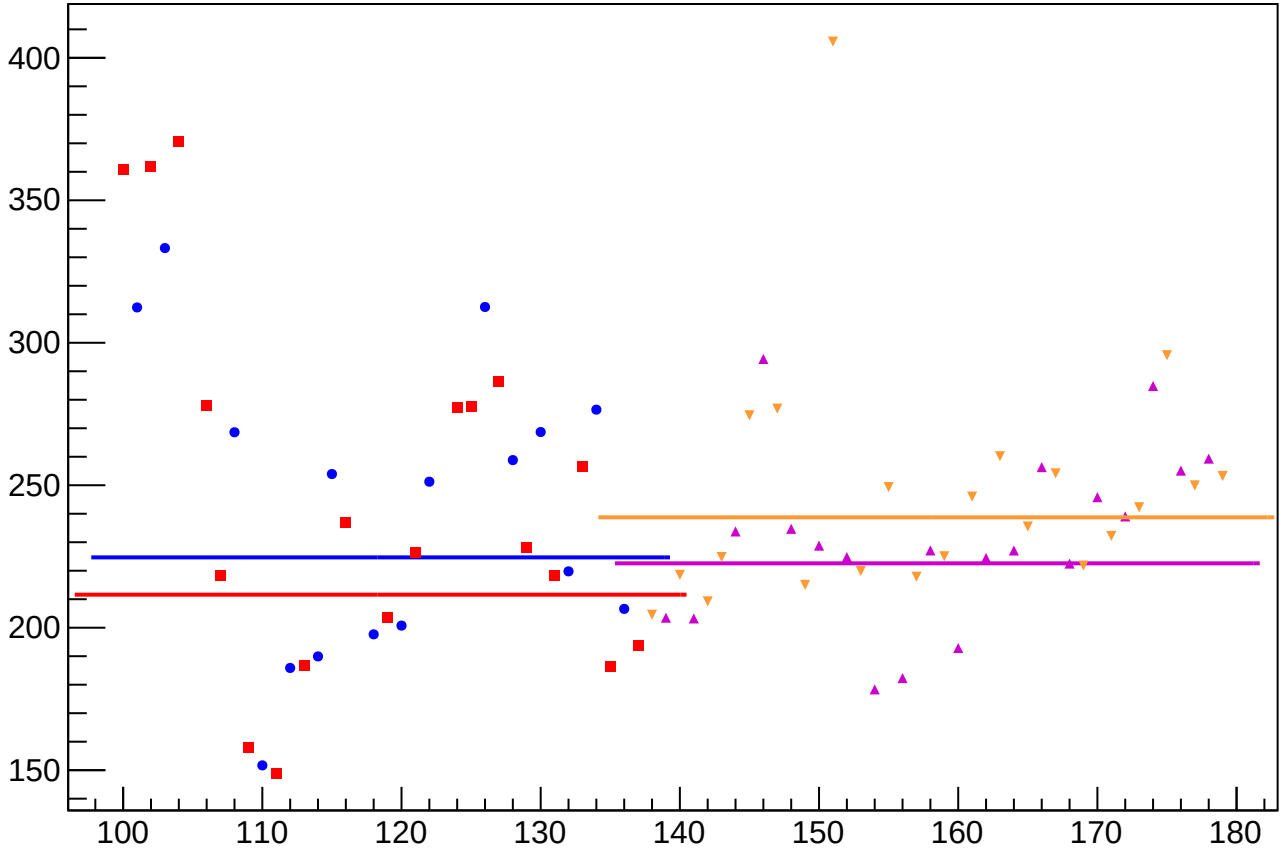
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -524.551+/-47.281 χ^2/NDF:1970.9/35

Out: 6.677+/-47.201 χ^2/NDF:1965.3/40

All: -258.487+/-33.404 χ^2/NDF: 3999.4/76

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 222.594+/-0.040 χ^2/NDF:543257.1/19

Left: 230.429+/-0.029 χ^2/NDF: 1188403.2/41

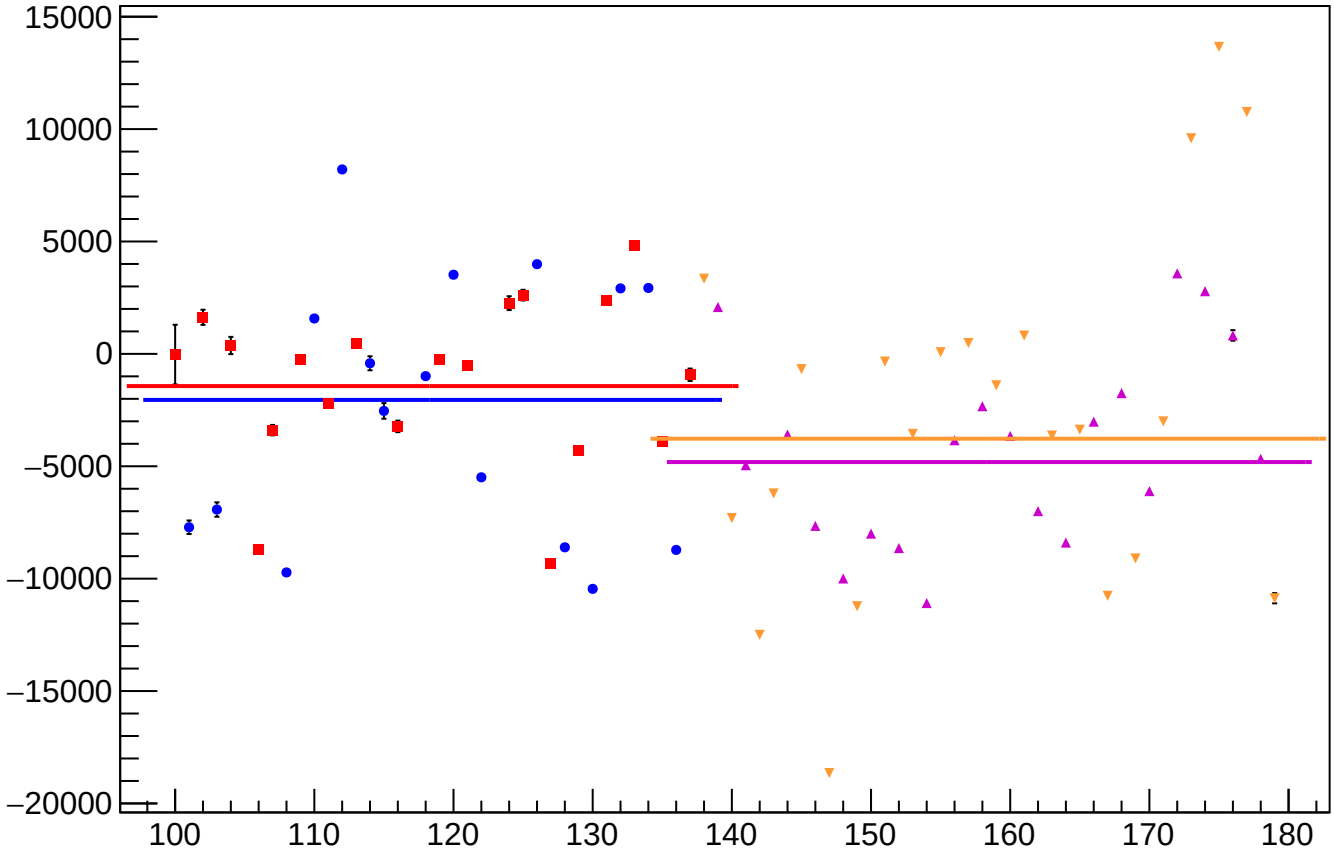
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 223.215+/-0.033 χ^2/NDF:1197266.1/35

Out: 229.511+/-0.033 χ^2/NDF:1646986.7/40

All: 226.368+/-0.024 χ^2/NDF: 2862011.1/76

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4812.873+/-32.787 χ^2/NDF:15228.2/19

Left: -4273.863+/-22.746 χ^2/NDF: 68357.4/41

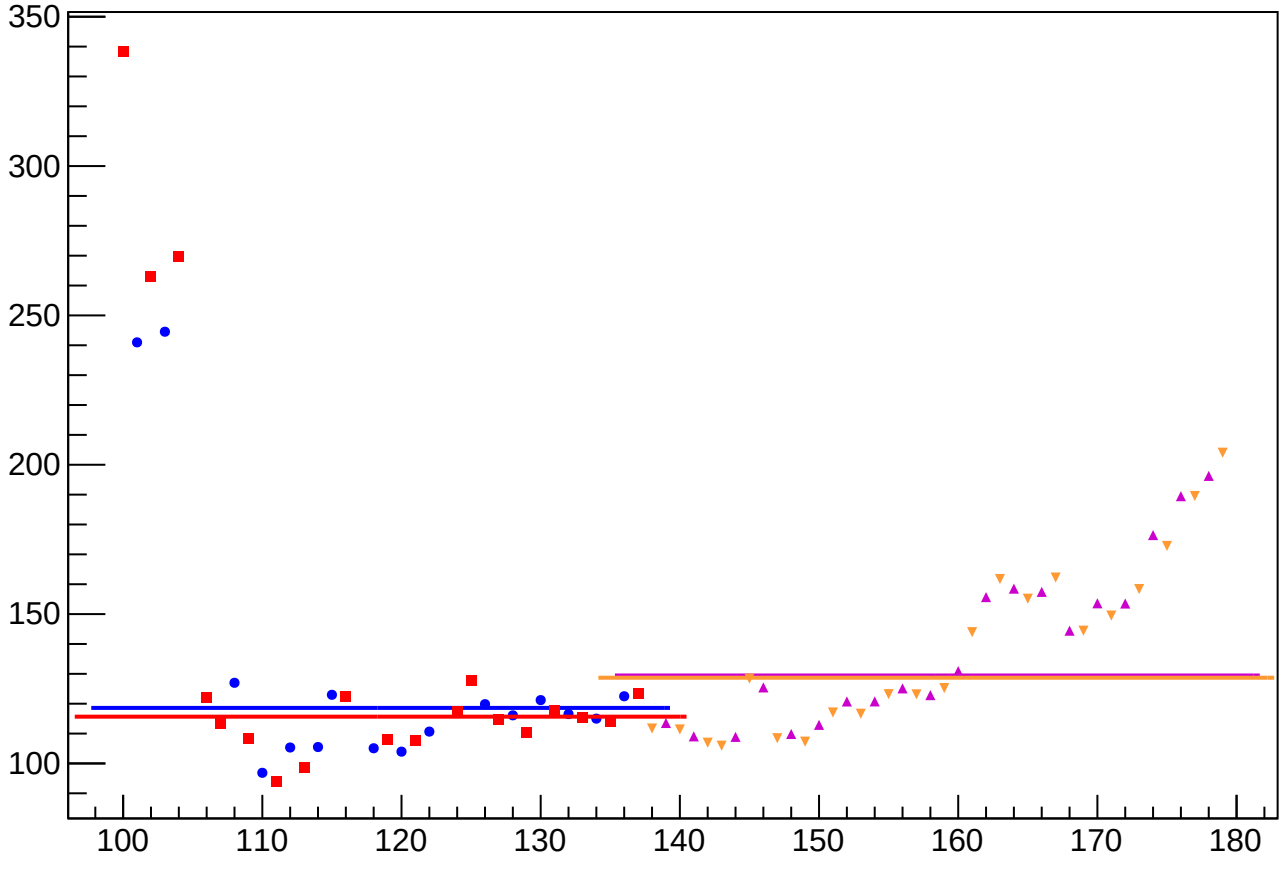
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3900.314+/-26.838 χ^2/NDF:34285.0/35

Out: -2994.931+/-25.800 χ^2/NDF:60823.6/40

All: -3429.767+/-18.600 χ^2/NDF: 95700.0/76

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 129.447+/-0.023 χ^2/NDF:923521.6/19

Left: 129.059+/-0.016 χ^2/NDF: 2056905.8/41

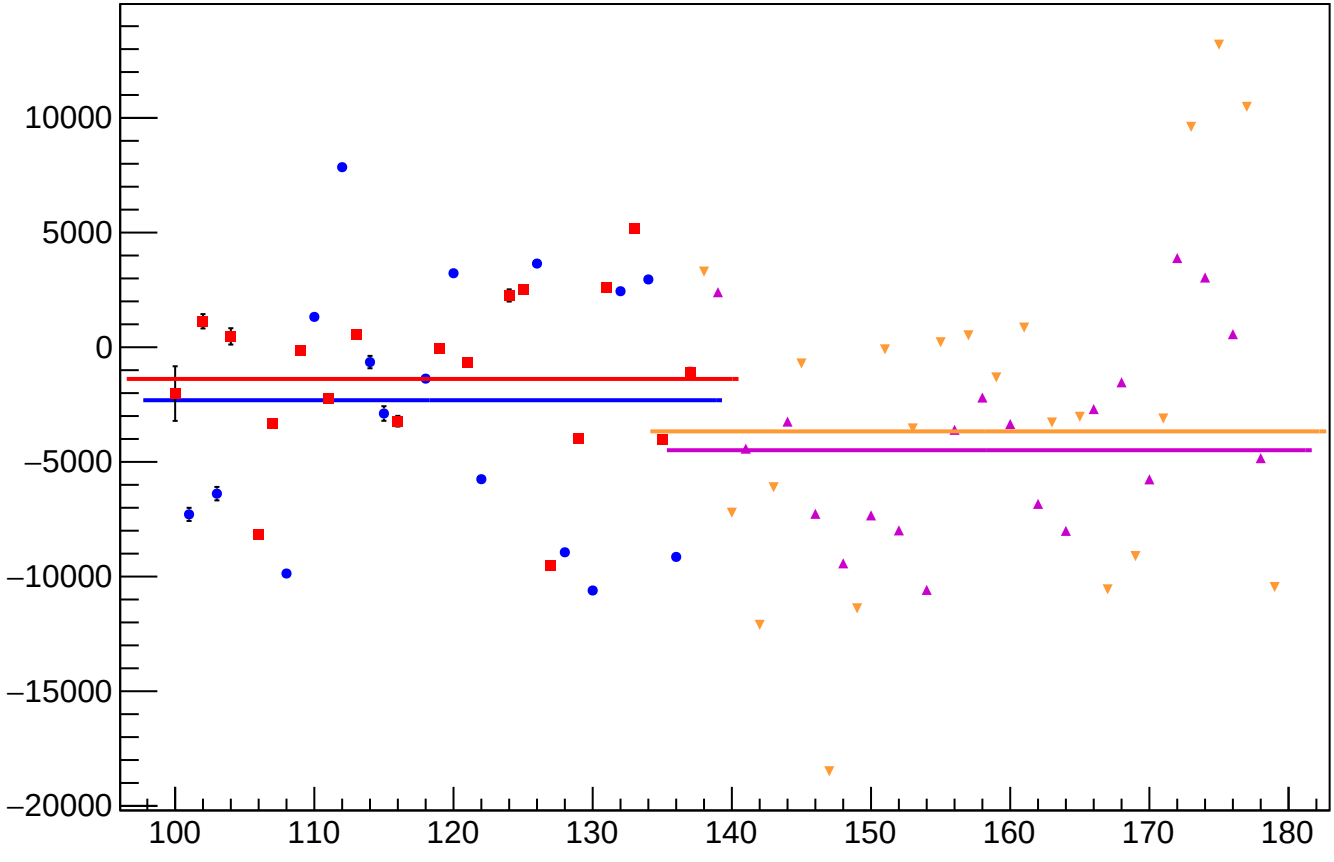
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 125.867+/-0.019 χ^2/NDF:1729970.3/35

Out: 124.360+/-0.018 χ^2/NDF:2110447.0/40

All: 125.084+/-0.013 χ^2/NDF: 3843693.8/76

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3668.939+/-28.449 χ^2/NDF:61245.1/21

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4490.626+/-29.536 χ^2/NDF:17627.4/19

Left: -4064.390+/-20.490 χ^2/NDF: 79274.0/41

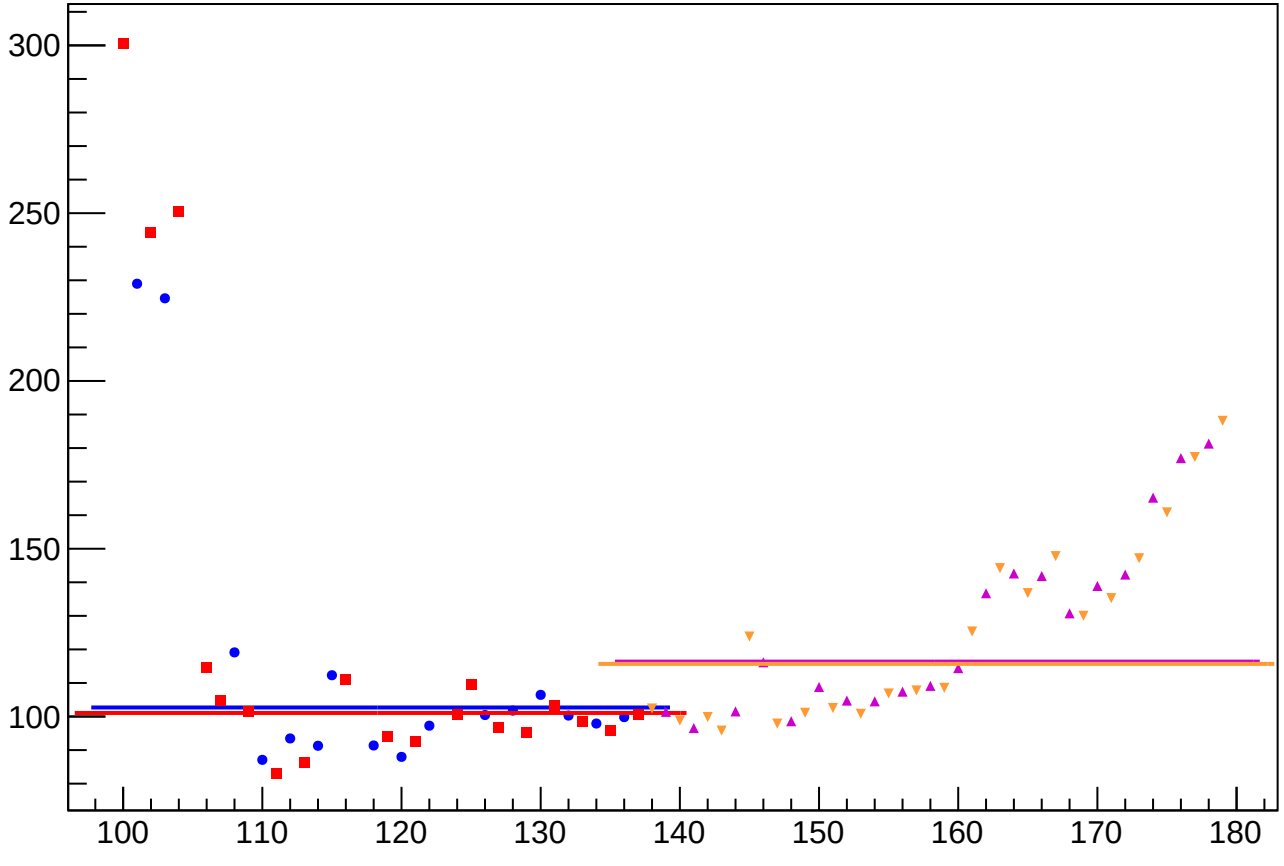
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3739.429+/-23.911 χ^2/NDF:41184.2/35

Out: -2883.752+/-23.053 χ^2/NDF:72042.5/40

All: -3295.958+/-16.596 χ^2/NDF: 113890.3/7

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 115.689+/-0.020 χ^2/NDF:1209320.3/21

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 116.361+/-0.021 χ^2/NDF:1000186.3/19

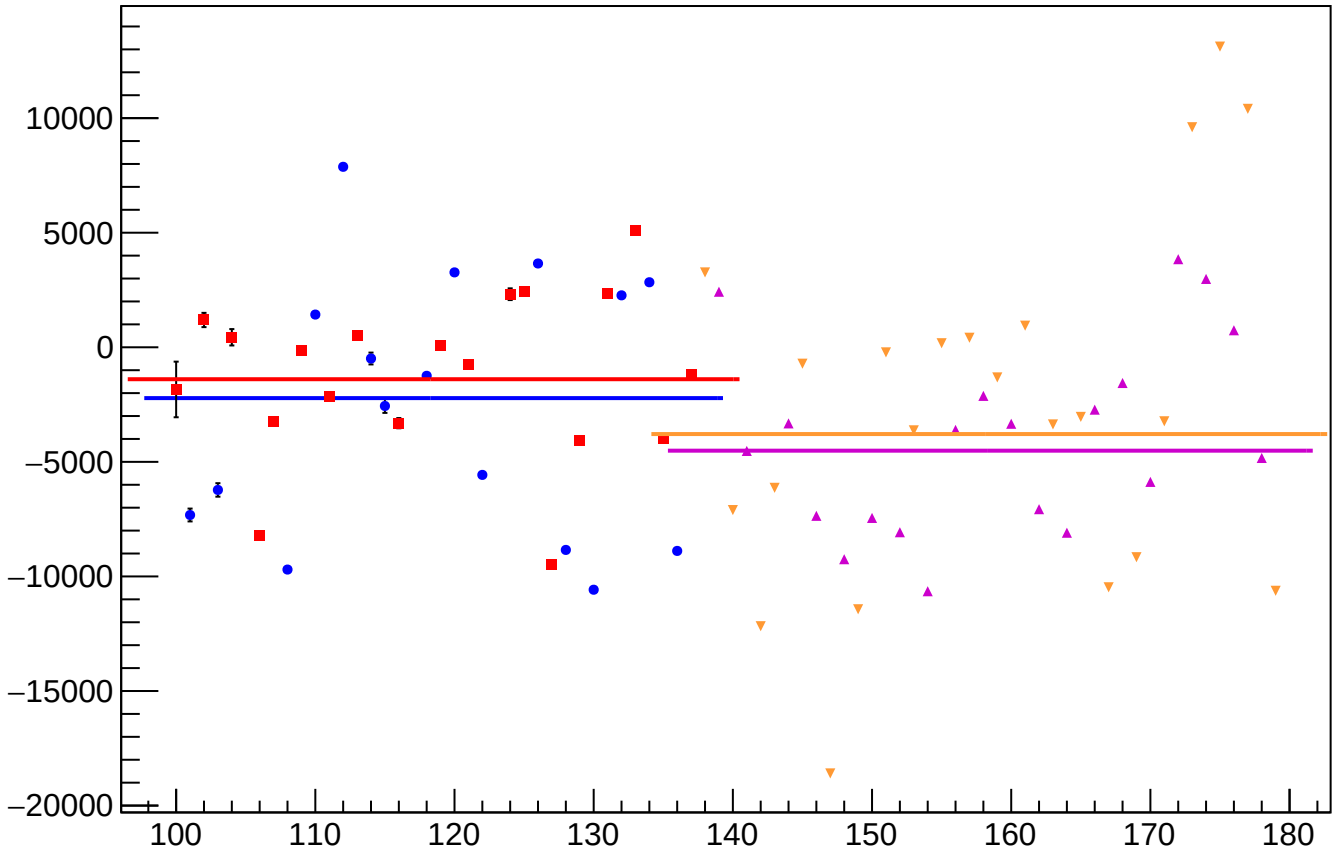
Left: 116.012+/-0.014 χ^2/NDF: 2210043.5/41

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 111.651+/-0.017 χ^2/NDF:1973549.0/35

Out: 110.667+/-0.016 χ^2/NDF:2321274.5/40

All: 111.141+/-0.012 χ^2/NDF: 4296580.3/76



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3786.792+/-27.849 χ^2/NDF:65439.5/21

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4511.770+/-28.881 χ^2/NDF:18654.5/19

Left: -4136.093+/-20.047 χ^2/NDF: 84420.4/41

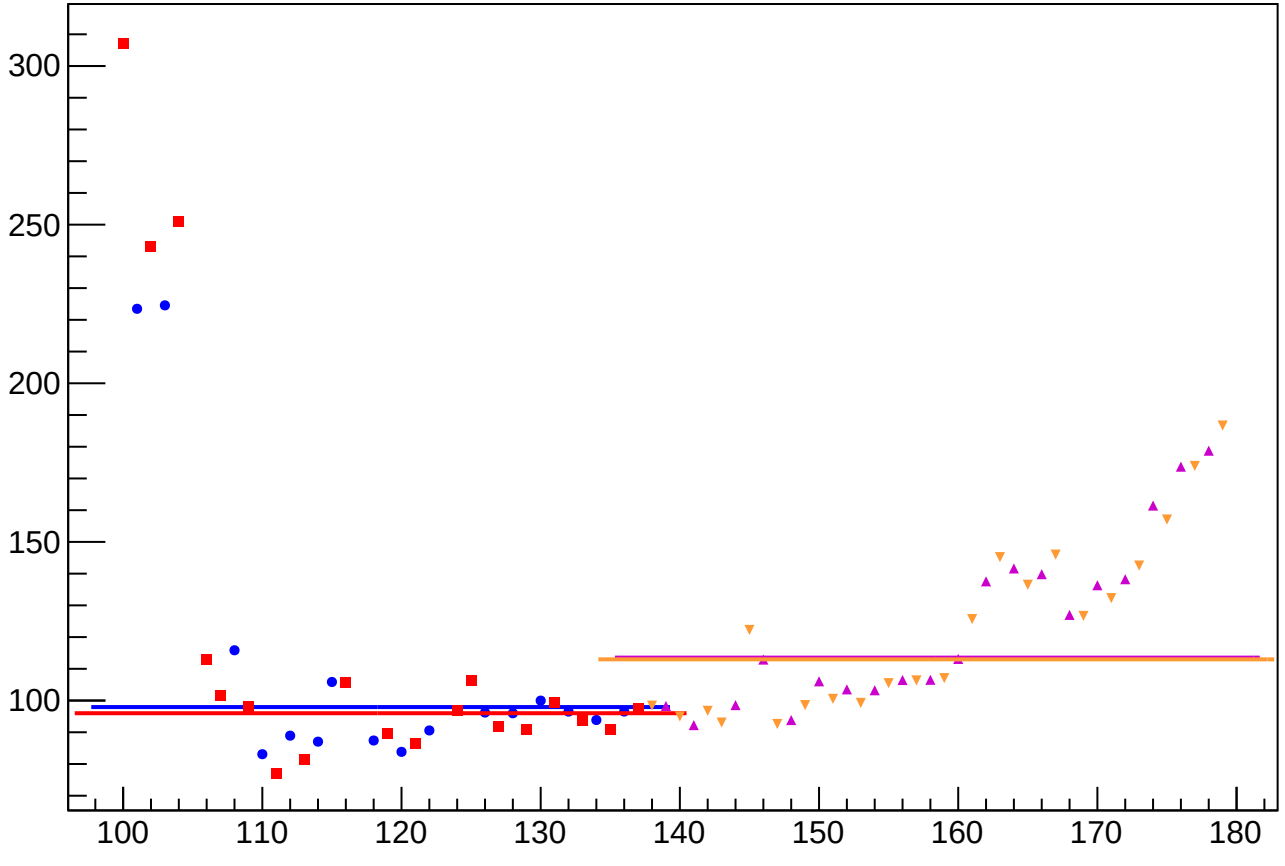
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3700.424+/-23.218 χ^2/NDF:43926.2/35

Out: -2938.393+/-22.375 χ^2/NDF:77209.5/40

All: -3305.319+/-16.111 χ^2/NDF: 121694.2/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 112.983+/-0.020 χ^2/NDF:1294583.5/21

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 113.532+/-0.020 χ^2/NDF:1062735.6/19

Left: 113.248+/-0.014 χ^2/NDF: 2357694.9/41

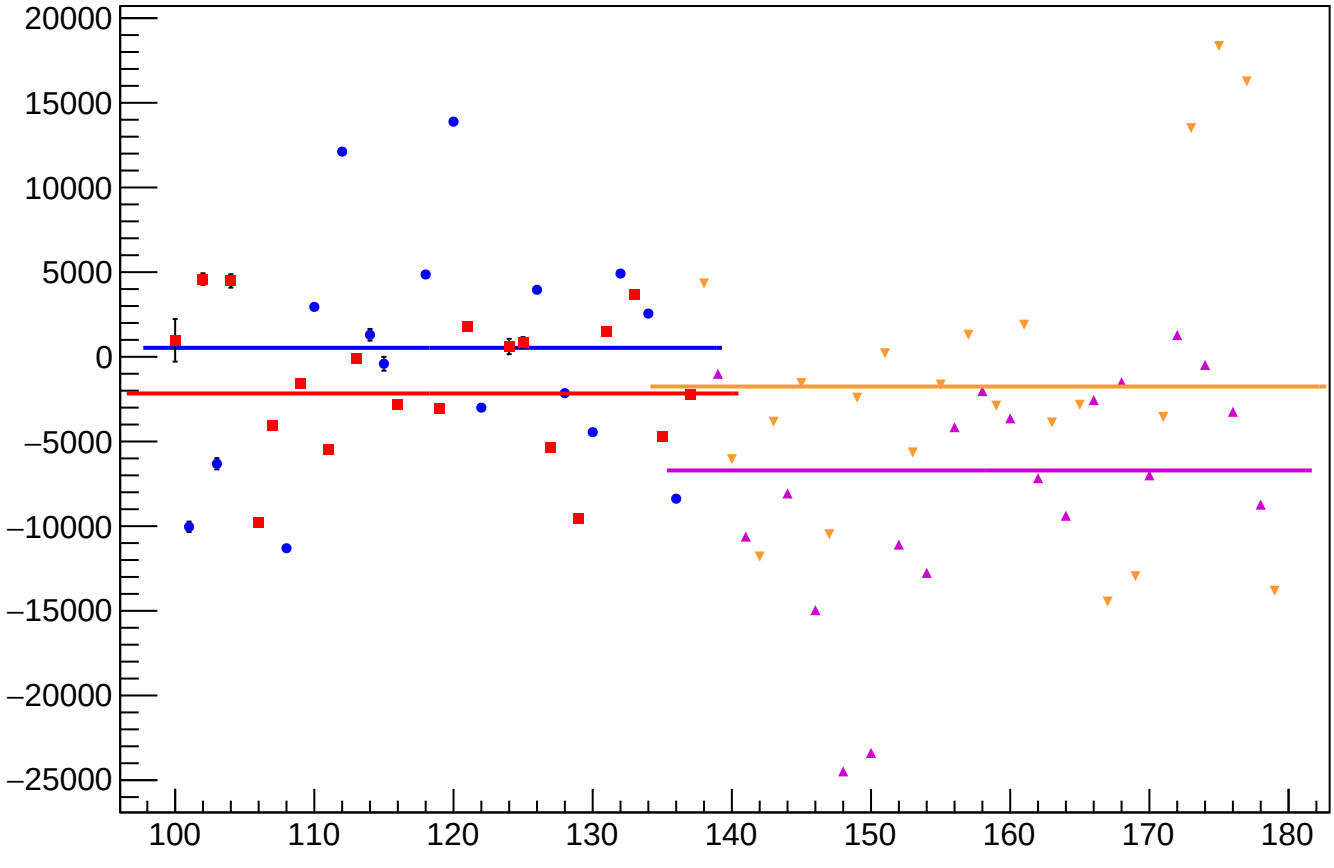
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 108.018+/-0.016 χ^2/NDF:2136986.6/35

Out: 106.964+/-0.016 χ^2/NDF:2570372.6/40

All: 107.472+/-0.011 χ^2/NDF: 4709497.7/76

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1753.686+/-38.903 χ^2/NDF:40660.6/21

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6709.871+/-40.997 χ^2/NDF:20251.5/19

Left: -4101.982+/-28.220 χ^2/NDF: 68602.1/41

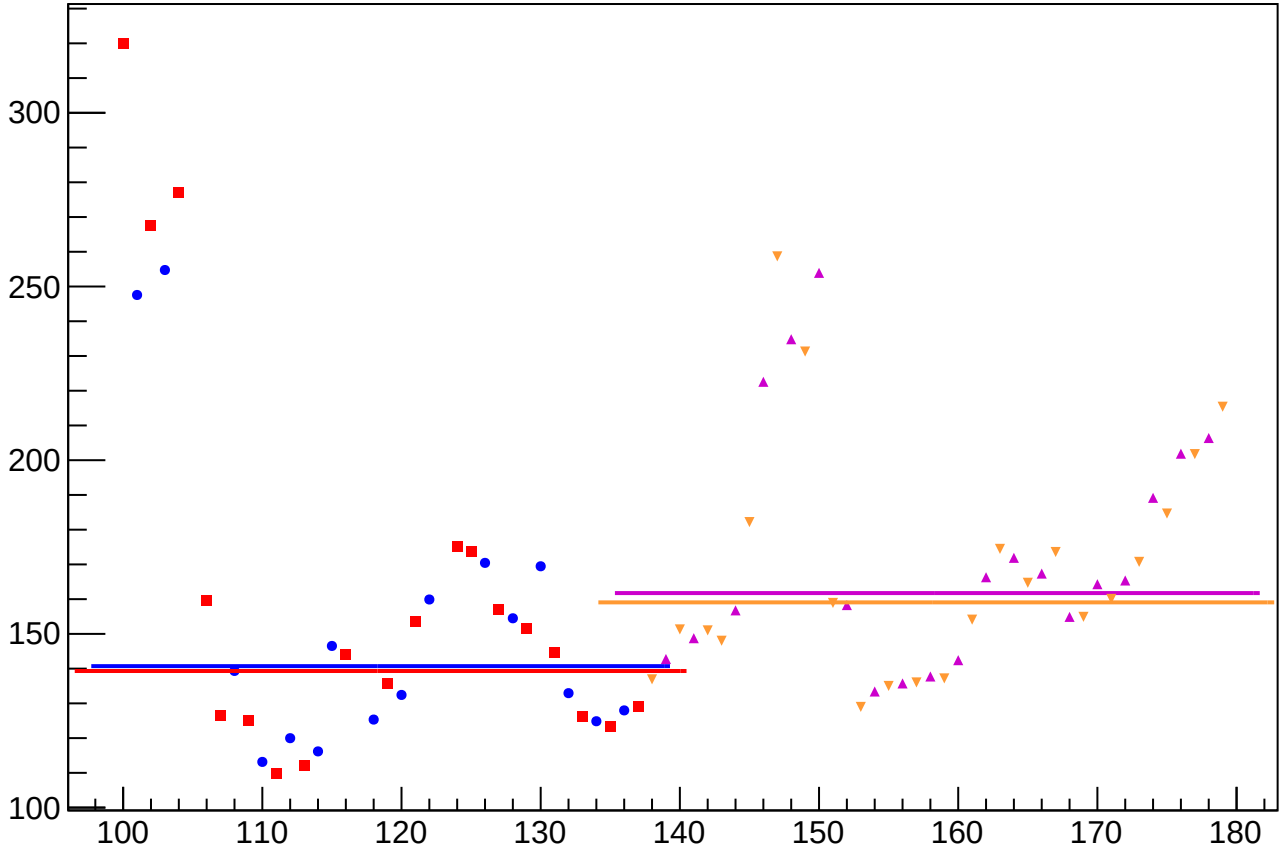
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4114.989+/-32.839 χ^2/NDF:50017.4/35

Out: -1896.094+/-31.456 χ^2/NDF:45666.4/40

All: -2957.818+/-22.716 χ^2/NDF: 98064.7/76

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 159.073+/-0.028 χ^2/NDF:967572.9/21

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 161.750+/-0.029 χ^2/NDF:961000.6/19

Left: 160.341+/-0.020 χ^2/NDF: 1933060.7/41

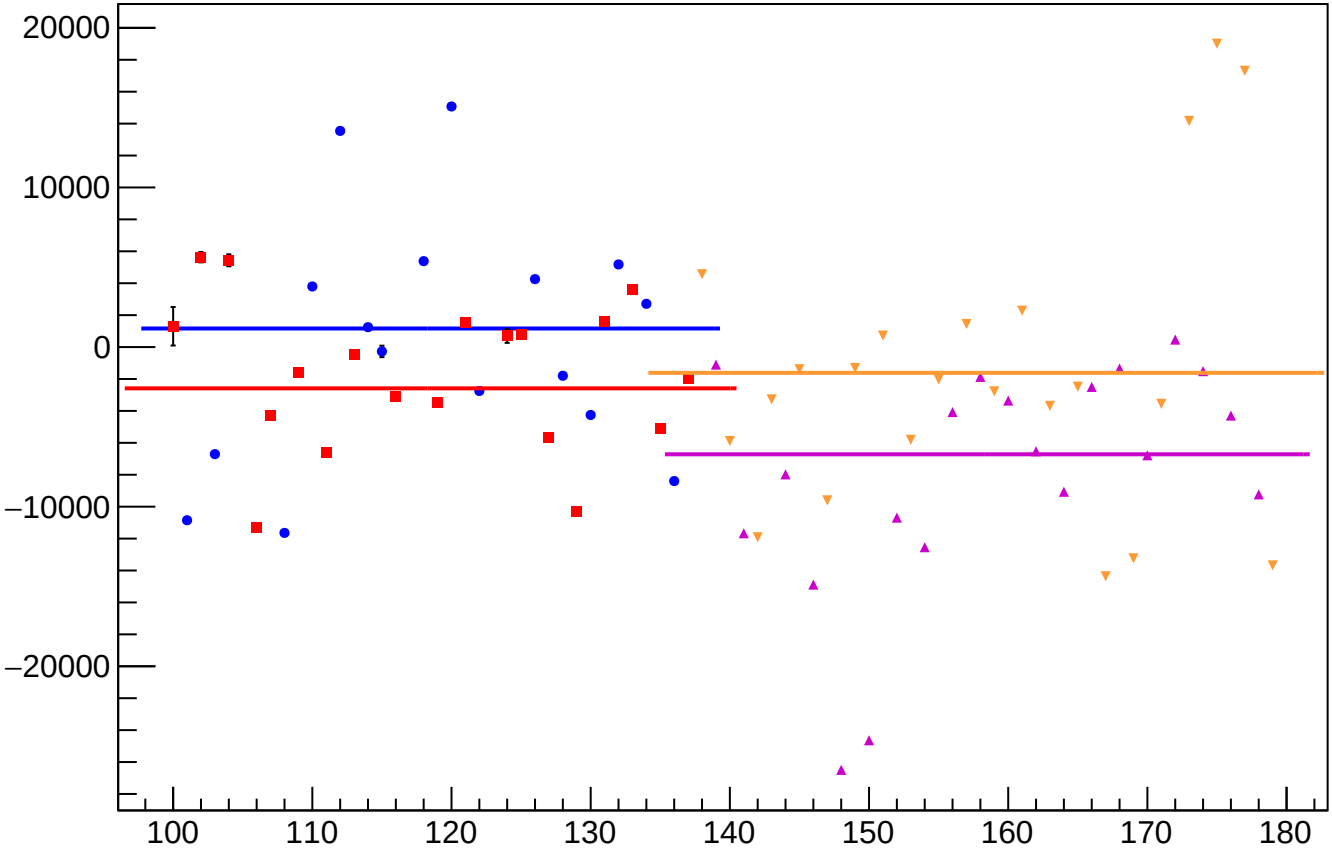
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 154.211+/-0.023 χ^2/NDF:1825306.2/35

Out: 152.233+/-0.022 χ^2/NDF:1948461.6/40

All: 153.179+/-0.016 χ^2/NDF: 3777554.0/76

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1614.569+/-34.692 χ^2/NDF:50469.2/21

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6718.740+/-36.641 χ^2/NDF:25328.0/19

Left: -4027.236+/-25.192 χ^2/NDF: 86029.6/41

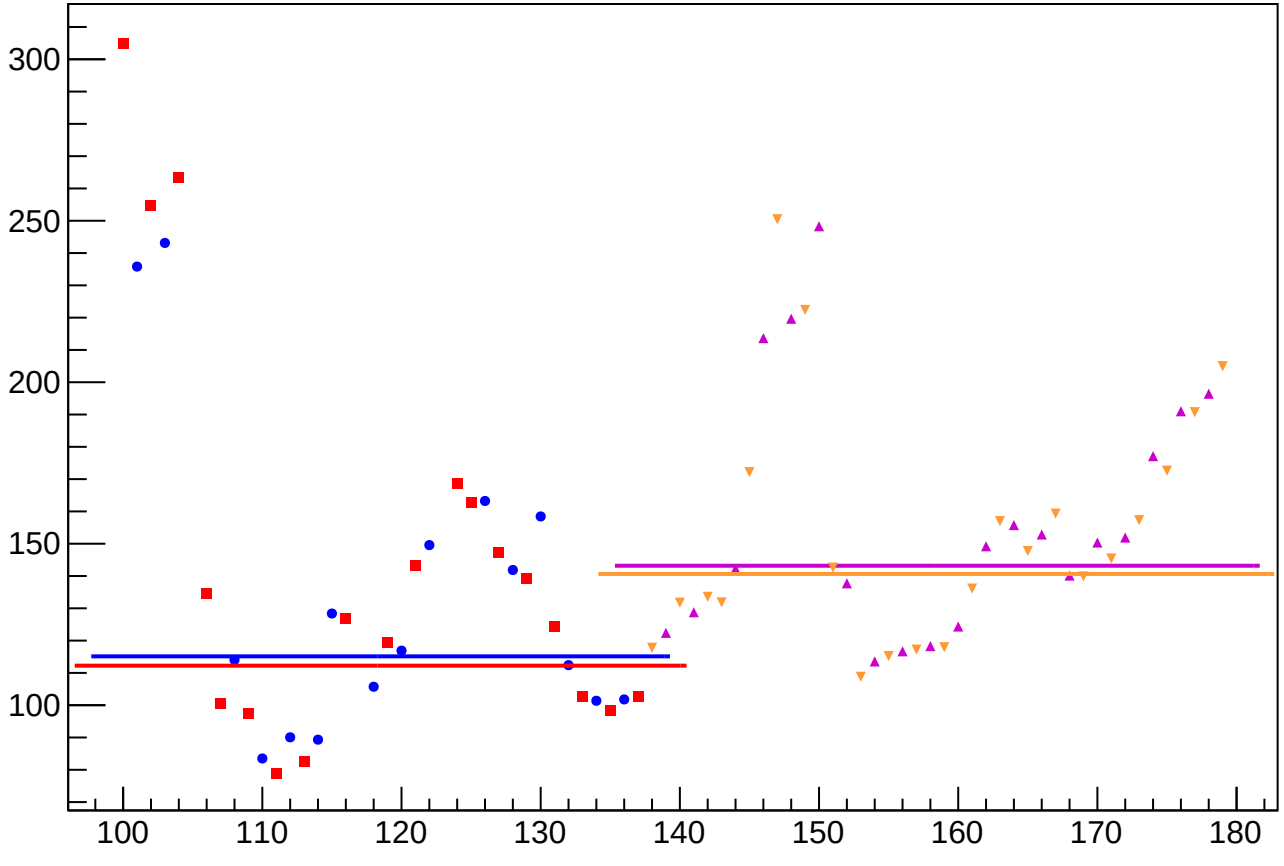
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3653.437+/-28.643 χ^2/NDF:74077.3/35

Out: -1984.582+/-27.303 χ^2/NDF:58867.8/40

All: -2779.048+/-19.763 χ^2/NDF: 134723.7/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 140.645+/-0.025 χ^2/NDF:1403426.6/21

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 143.185+/-0.026 χ^2/NDF:1373326.8/19

Left: 141.845+/-0.018 χ^2/NDF: 2781822.5/41

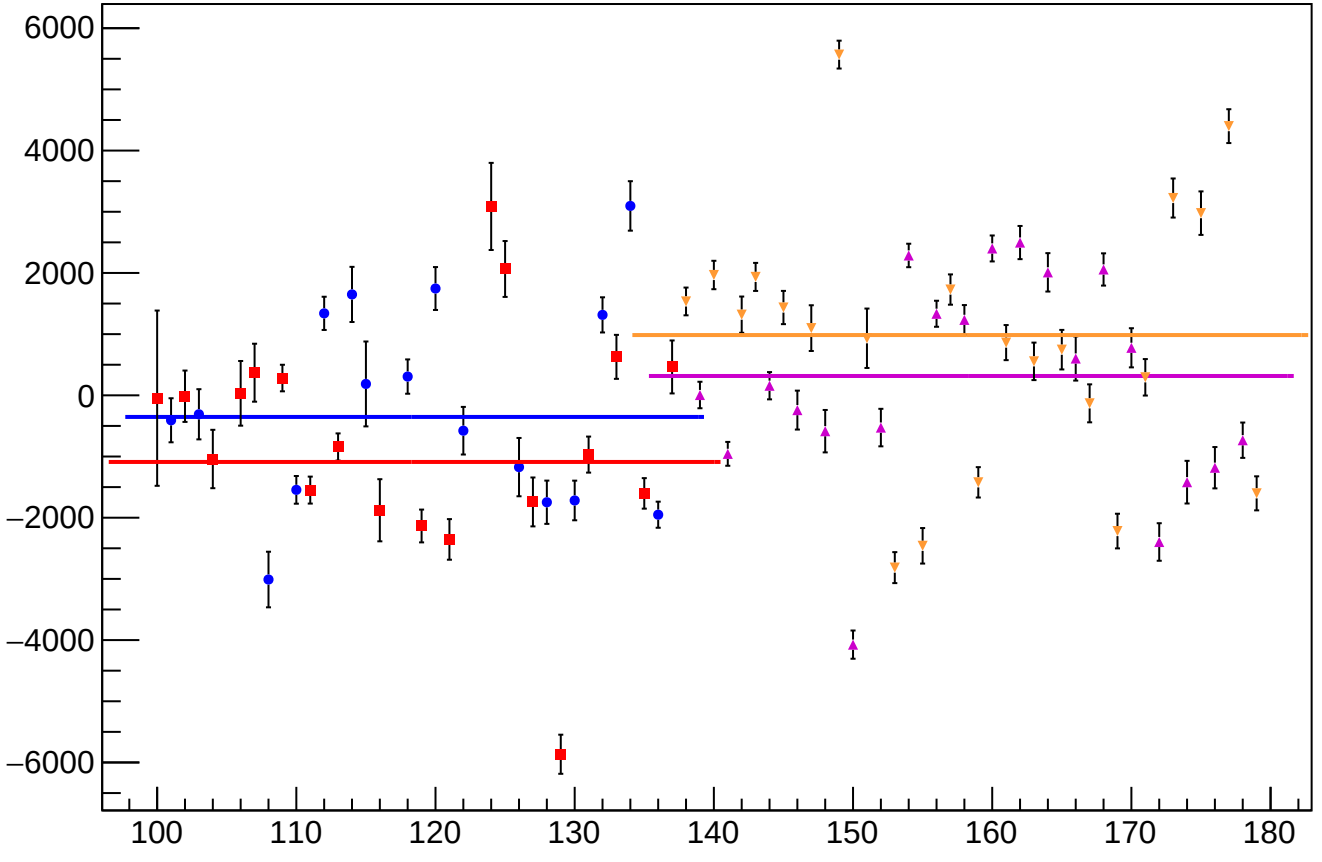
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 132.272+/-0.020 χ^2/NDF:2942456.0/35

Out: 129.834+/-0.019 χ^2/NDF:3241847.2/40

All: 130.995+/-0.014 χ^2/NDF: 6191894.4/76

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 985.051+/-59.452 χ^2/NDF:1387.7/21

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 316.167+/-57.804 χ^2/NDF:940.3/19

Left: 641.210+/-41.444 χ^2/NDF: 2393.0/41

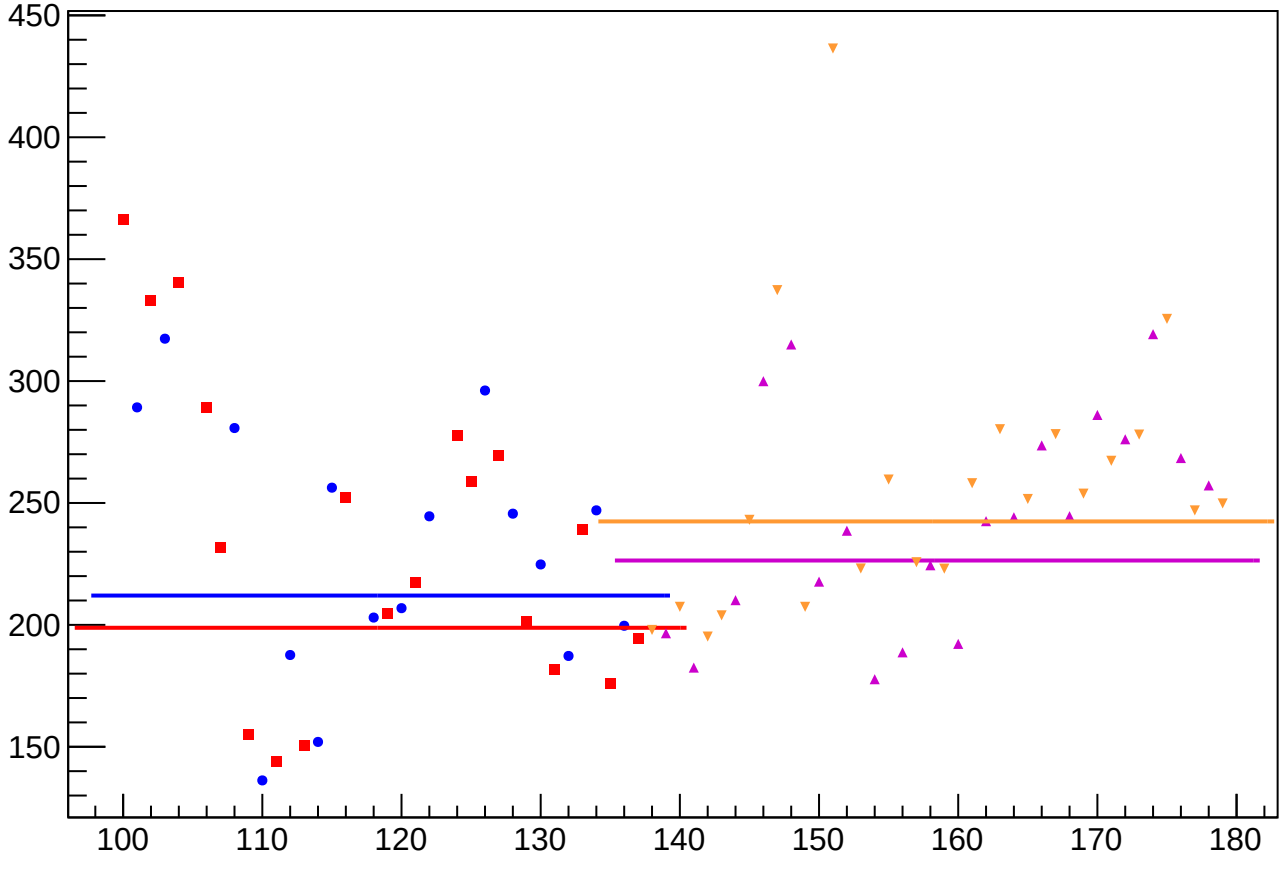
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 94.478+/-47.271 χ^2/NDF:1346.5/35

Out: 203.461+/-46.930 χ^2/NDF:2293.4/40

All: 149.364+/-33.304 χ^2/NDF: 3642.6/76

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 242.433+/-0.042 χ^2/NDF:983369.2/21

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 226.403+/-0.041 χ^2/NDF:1012468.4/19

Left: 234.193+/-0.029 χ^2/NDF: 2070585.0/41

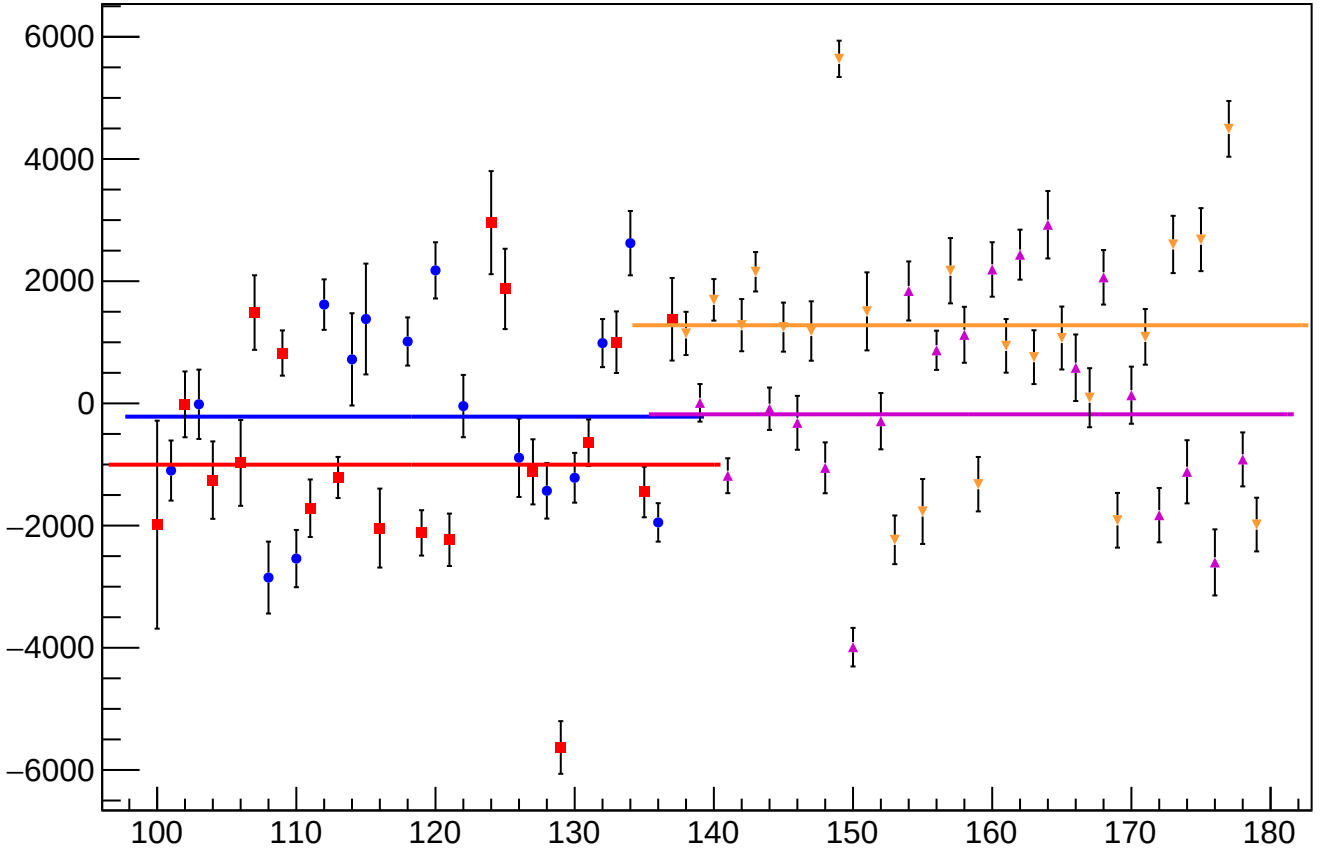
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 221.641+/-0.033 χ^2/NDF:1743799.0/35

Out: 225.992+/-0.033 χ^2/NDF:2364146.4/40

All: 223.833+/-0.024 χ^2/NDF: 4116477.5/76

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1279.128+/-90.983 χ^2/NDF:551.0/21

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -178.721+/-91.247 χ^2/NDF:367.5/19

Left: 552.310+/-64.428 χ^2/NDF: 1046.5/41

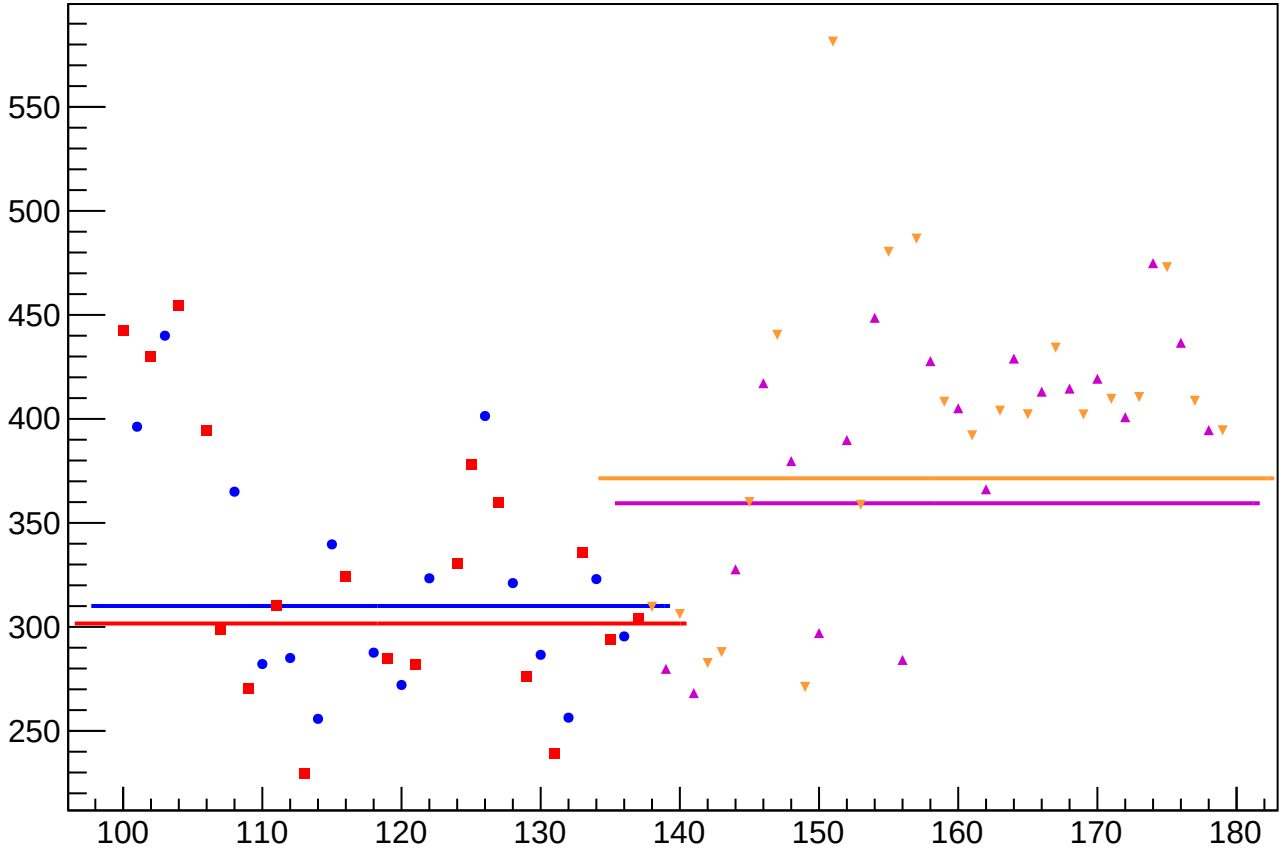
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -193.042+/-72.157 χ^2/NDF:559.7/35

Out: 382.594+/-70.894 χ^2/NDF:1052.5/40

All: 99.856+/-50.570 χ^2/NDF: 1644.6/76

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 371.443+/-0.064 χ^2/NDF:1223752.7/21

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 359.446+/-0.065 χ^2/NDF:1009584.1/19

Left: 365.462+/-0.046 χ^2/NDF: 2250673.7/41

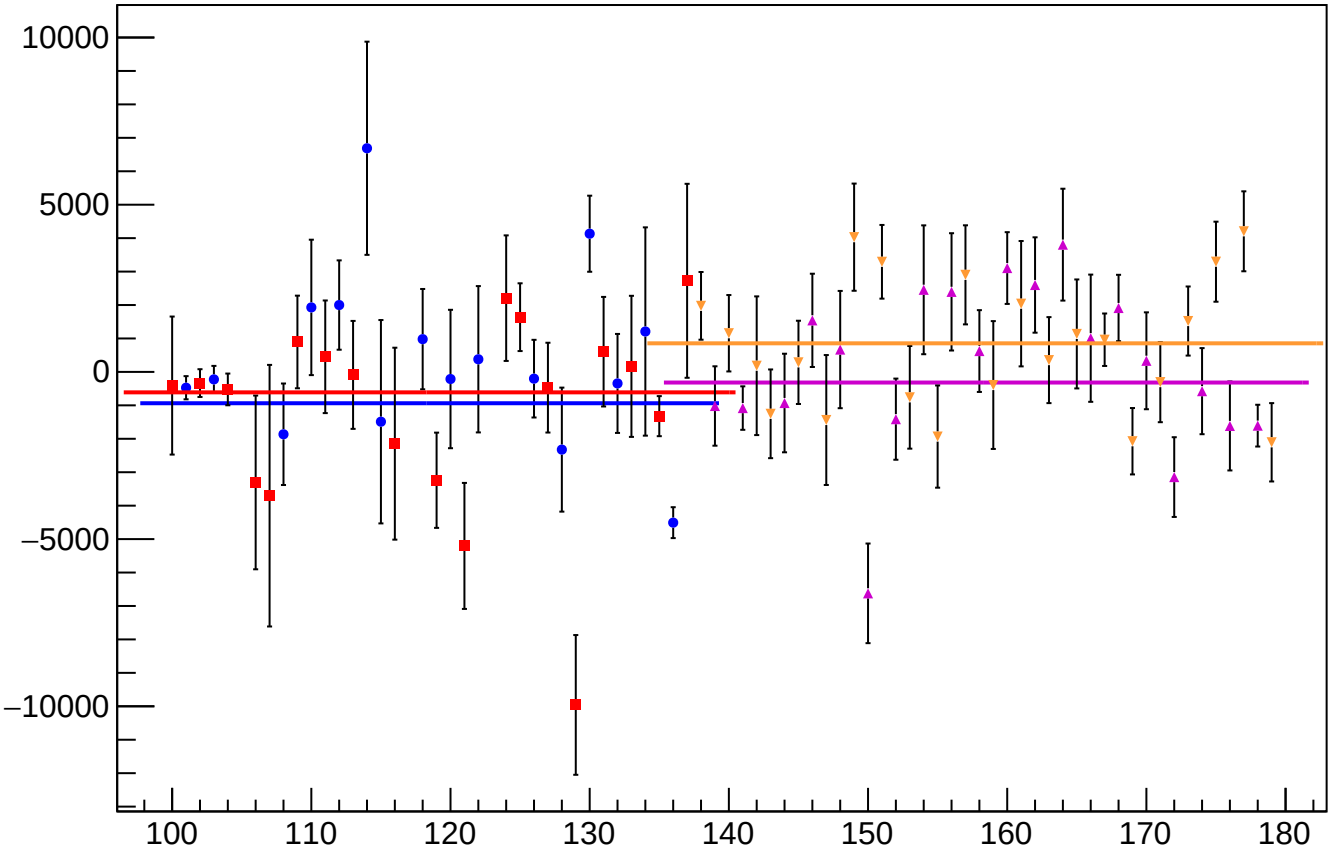
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 340.944+/-0.051 χ^2/NDF:1552344.8/35

Out: 344.020+/-0.050 χ^2/NDF:2206136.8/40

All: 342.509+/-0.036 χ^2/NDF: 3760331.0/76

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 854.901+/-268.095 χ^2/NDF:50.2/21

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -317.945+/-260.918 χ^2/NDF:64.8/19

Left: 252.568+/-186.983 χ^2/NDF: 124.8/41

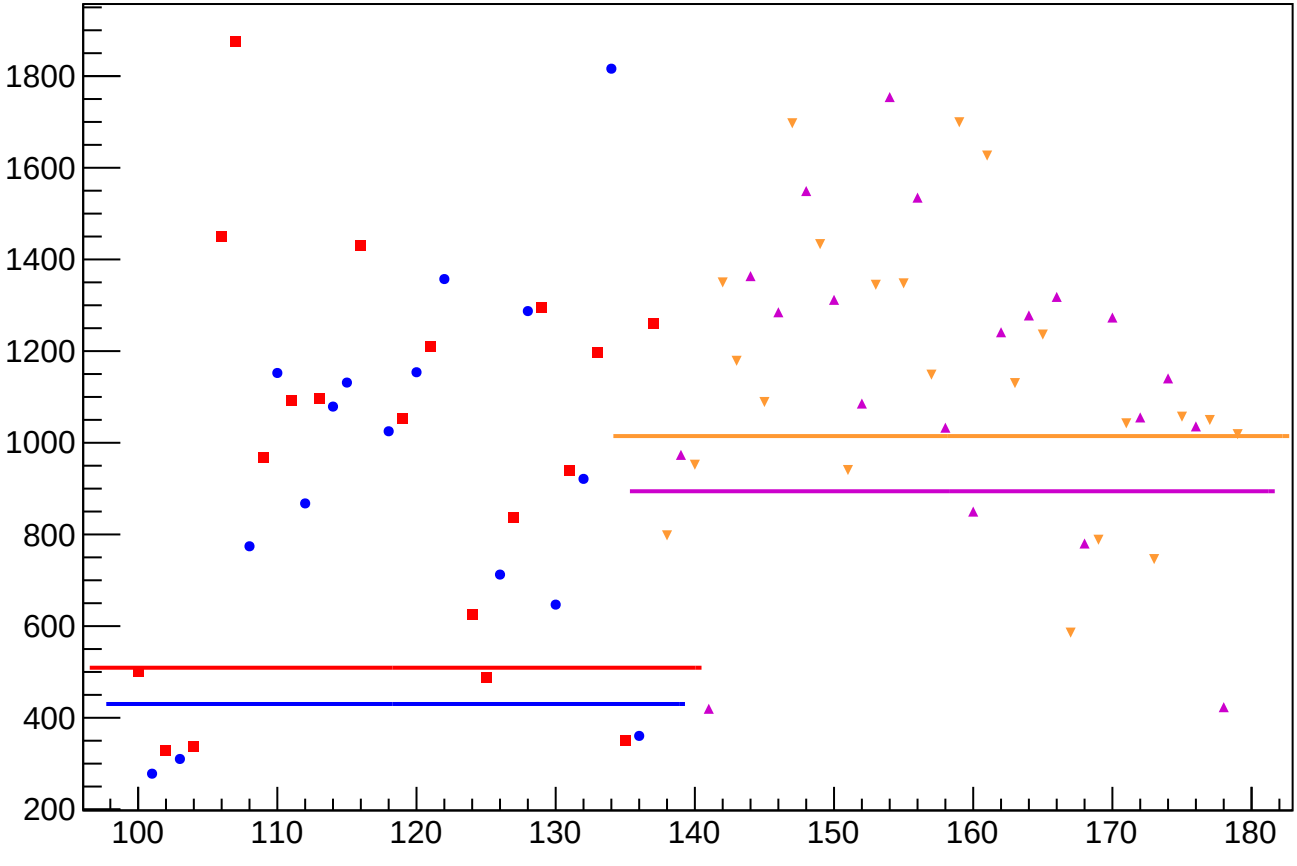
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -701.087+/-161.059 χ^2/NDF:169.5/35

Out: 19.849+/-175.926 χ^2/NDF:111.3/40

All: -372.362+/-118.795 χ^2/NDF: 290.0/76

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1014.635+/-0.190 χ^2/NDF:2148401.9/21

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 894.235+/-0.184 χ^2/NDF:4371225.9/19

Left: 952.802+/-0.132 χ^2/NDF: 6726787.2/41

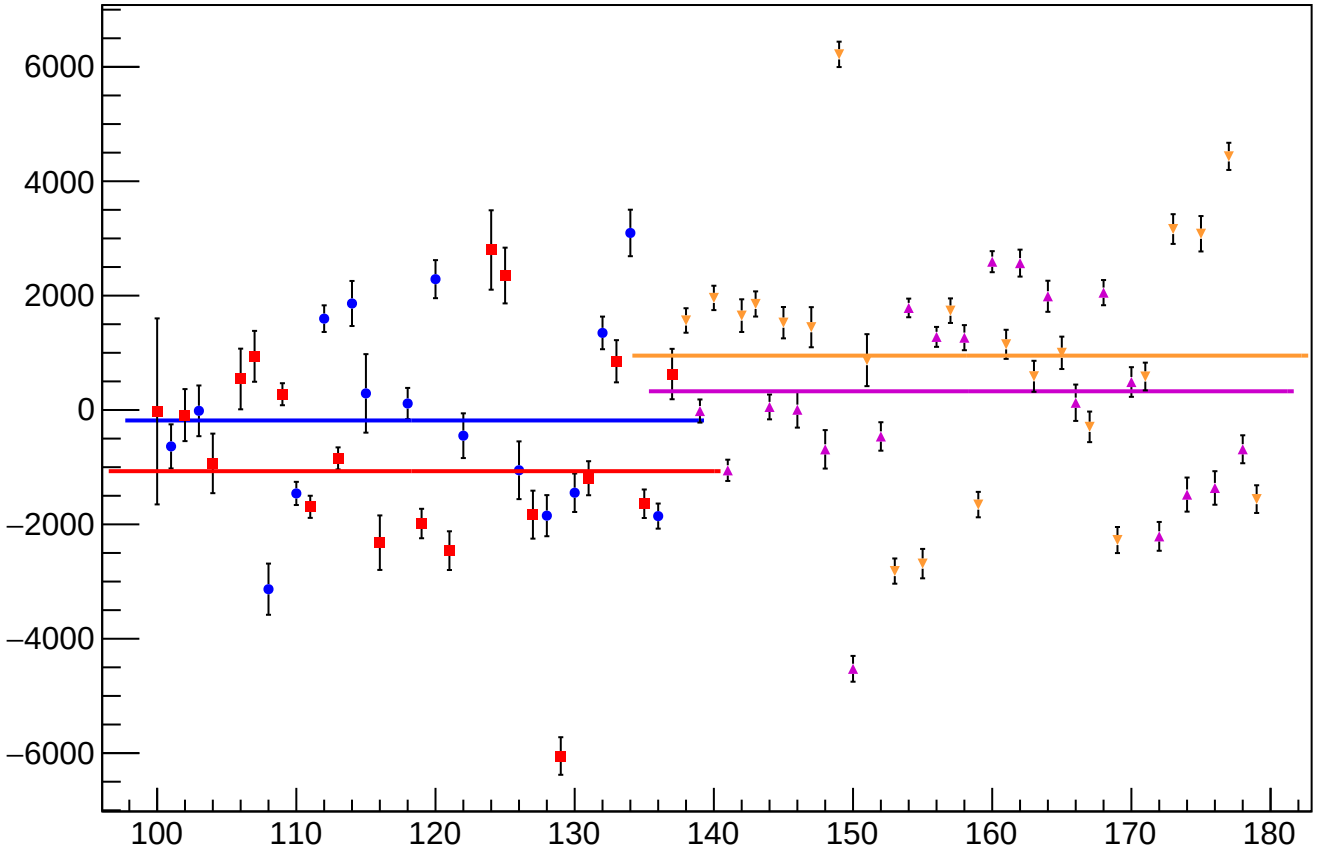
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 606.958+/-0.114 χ^2/NDF:11810127.5/35

Out: 726.865+/-0.124 χ^2/NDF:9868820.2/40

All: 661.632+/-0.084 χ^2/NDF: 22184401.5/76

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 950.838+/-53.258 χ^2/NDF:1934.3/21

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 327.164+/-51.127 χ^2/NDF:1200.9/19

Left: 626.275+/-36.882 χ^2/NDF: 3206.6/41

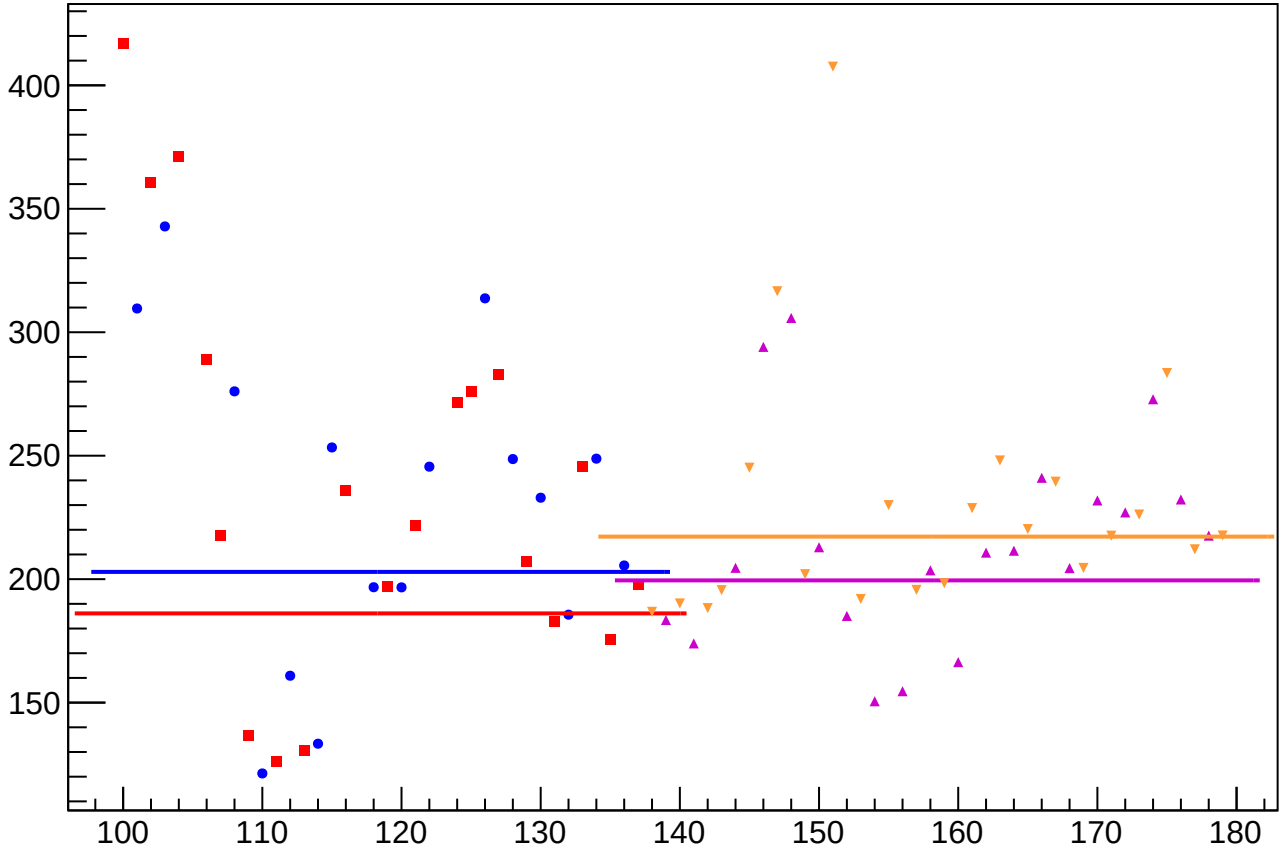
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 178.857+/-43.059 χ^2/NDF:1647.5/35

Out: 249.719+/-43.037 χ^2/NDF:2926.1/40

All: 214.306+/-30.440 χ^2/NDF: 4574.9/76

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.233+/-0.038 χ^2/NDF:865016.3/21

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 199.501+/-0.036 χ^2/NDF:1081415.7/19

Left: 208.005+/-0.026 χ^2/NDF: 2061816.6/41

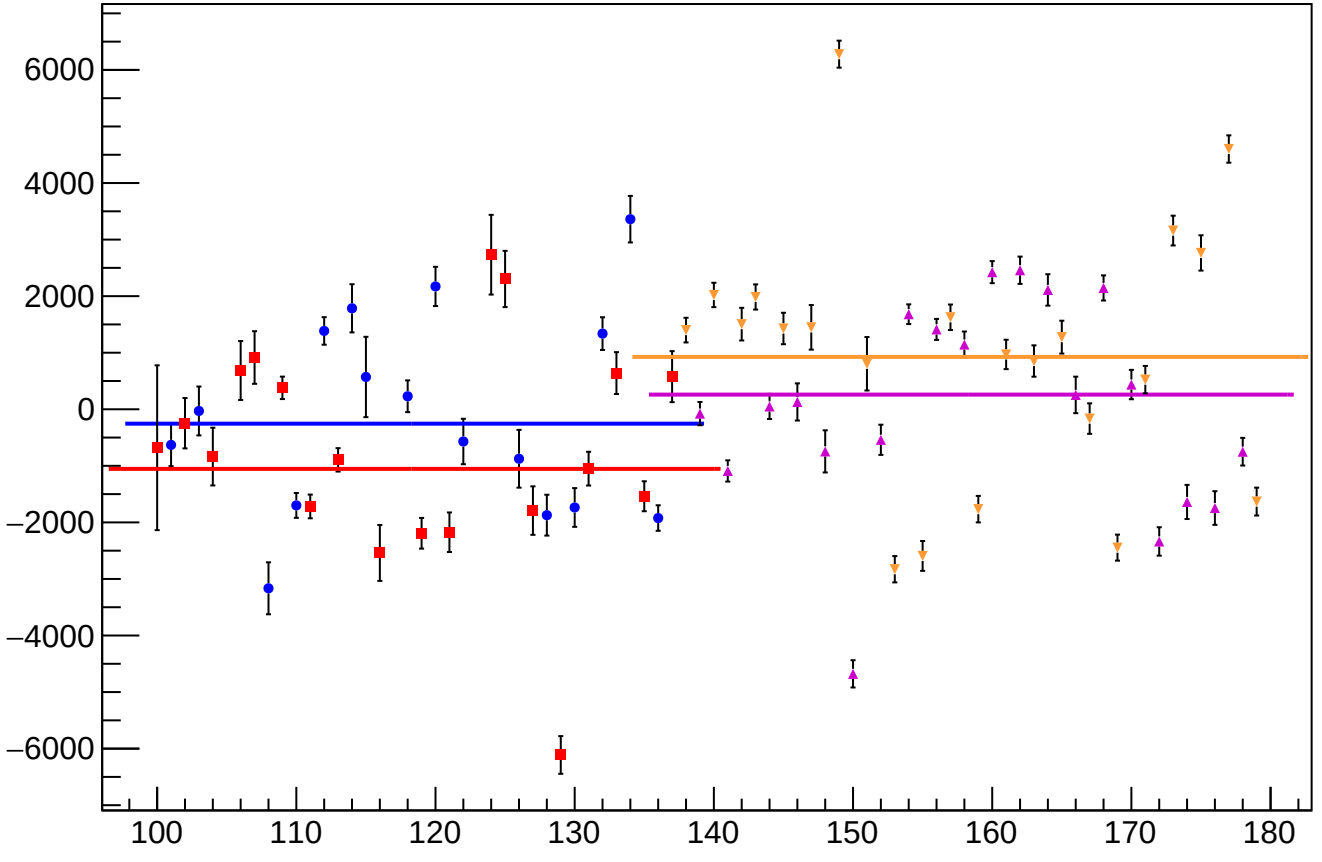
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 200.501+/-0.030 χ^2/NDF:2155908.0/35

Out: 206.440+/-0.030 χ^2/NDF:2583393.0/40

All: 203.472+/-0.022 χ^2/NDF: 4758337.4/76

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 925.902+/-54.676 χ^2/NDF:1826.0/21

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 259.385+/-52.946 χ^2/NDF:1143.4/19

Left: 581.931+/-38.035 χ^2/NDF: 3046.1/41

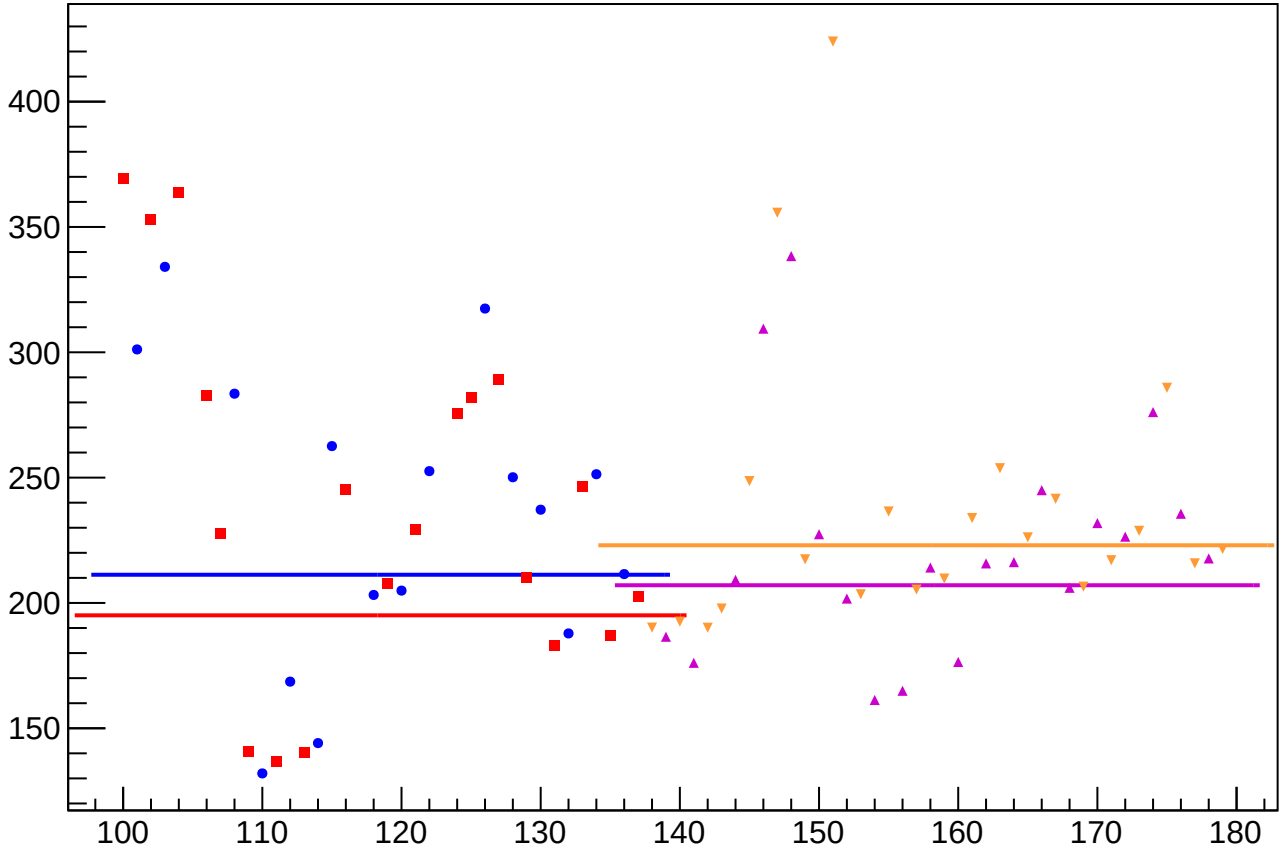
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 109.458+/-44.557 χ^2/NDF:1580.2/35

Out: 250.392+/-44.377 χ^2/NDF:2751.0/40

All: 180.210+/-31.443 χ^2/NDF: 4336.2/76

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.007+/-0.039 χ^2/NDF:914687.6/21

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 207.063+/-0.037 χ^2/NDF:1013710.5/19

Left: 214.779+/-0.027 χ^2/NDF: 2016172.2/41

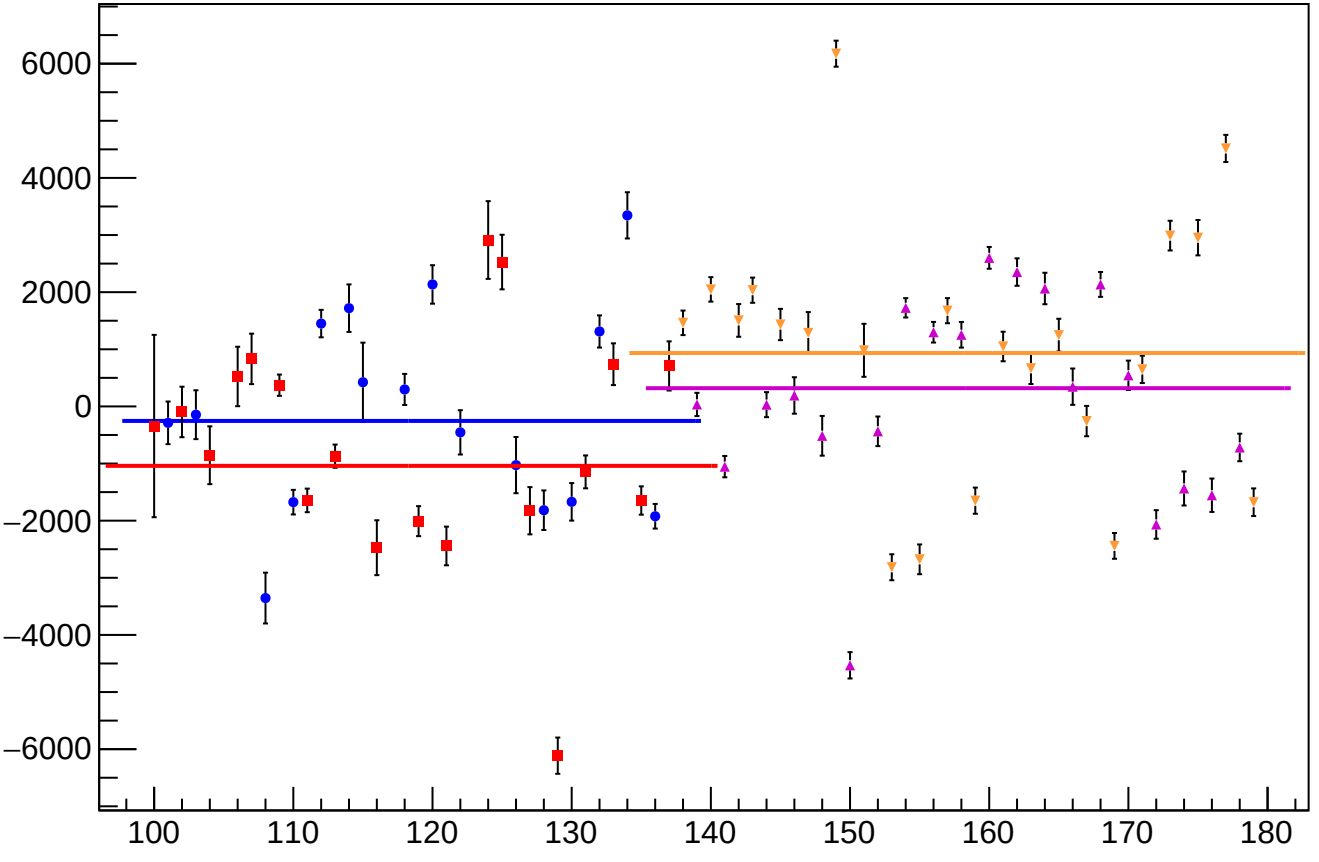
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 208.286+/-0.032 χ^2/NDF:1901729.9/35

Out: 213.471+/-0.031 χ^2/NDF:2377858.3/40

All: 210.889+/-0.022 χ^2/NDF: 4293187.6/76

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 935.170+/-53.731 χ^2/NDF:1894.2/21

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 319.082+/-51.888 χ^2/NDF:1141.9/19

Left: 616.381+/-37.325 χ^2/NDF: 3104.1/41

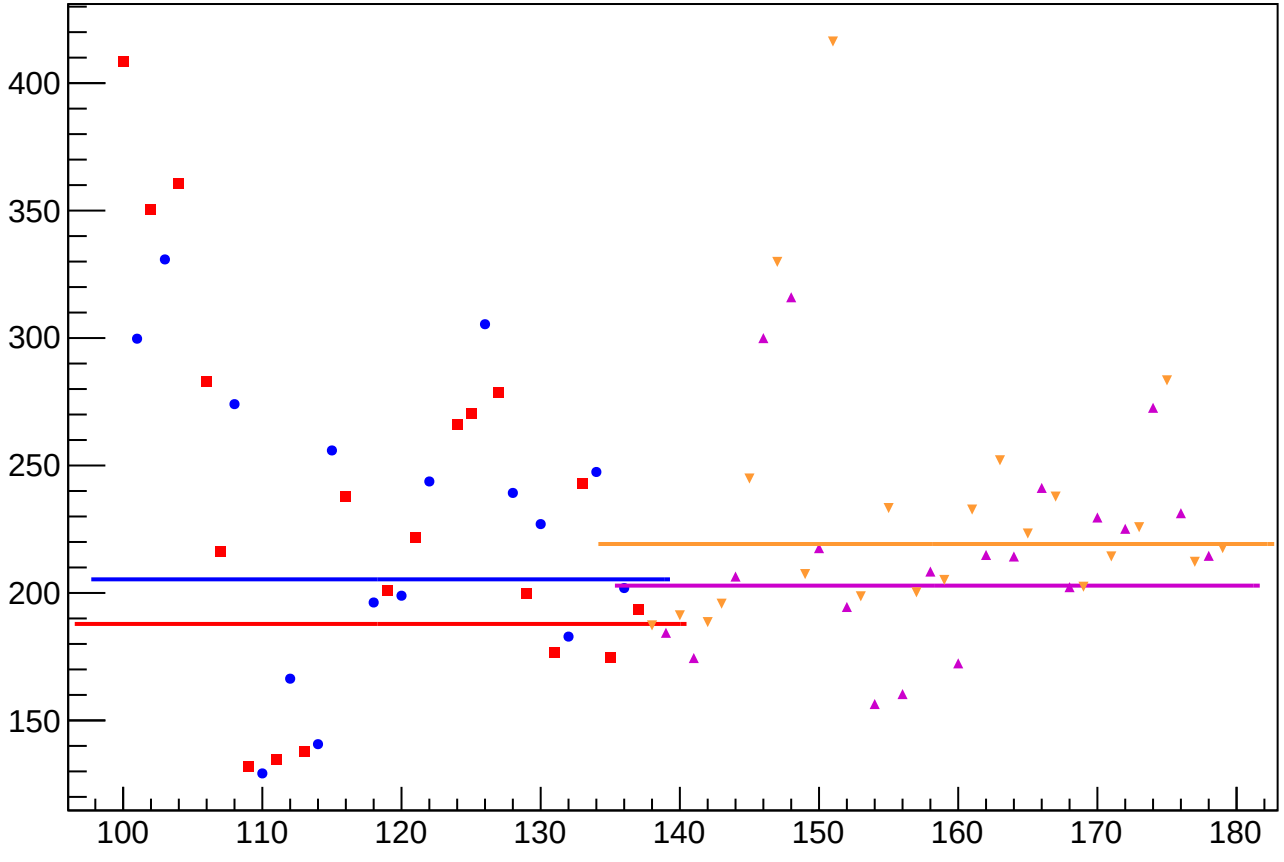
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 150.036+/-43.569 χ^2/NDF:1610.0/35

Out: 245.458+/-43.348 χ^2/NDF:2899.6/40

All: 197.989+/-30.729 χ^2/NDF: 4511.9/76

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.208+/-0.038 χ^2/NDF:880641.6/21

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 202.876+/-0.037 χ^2/NDF:993049.2/19

Left: 210.758+/-0.026 χ^2/NDF: 1969308.1/41

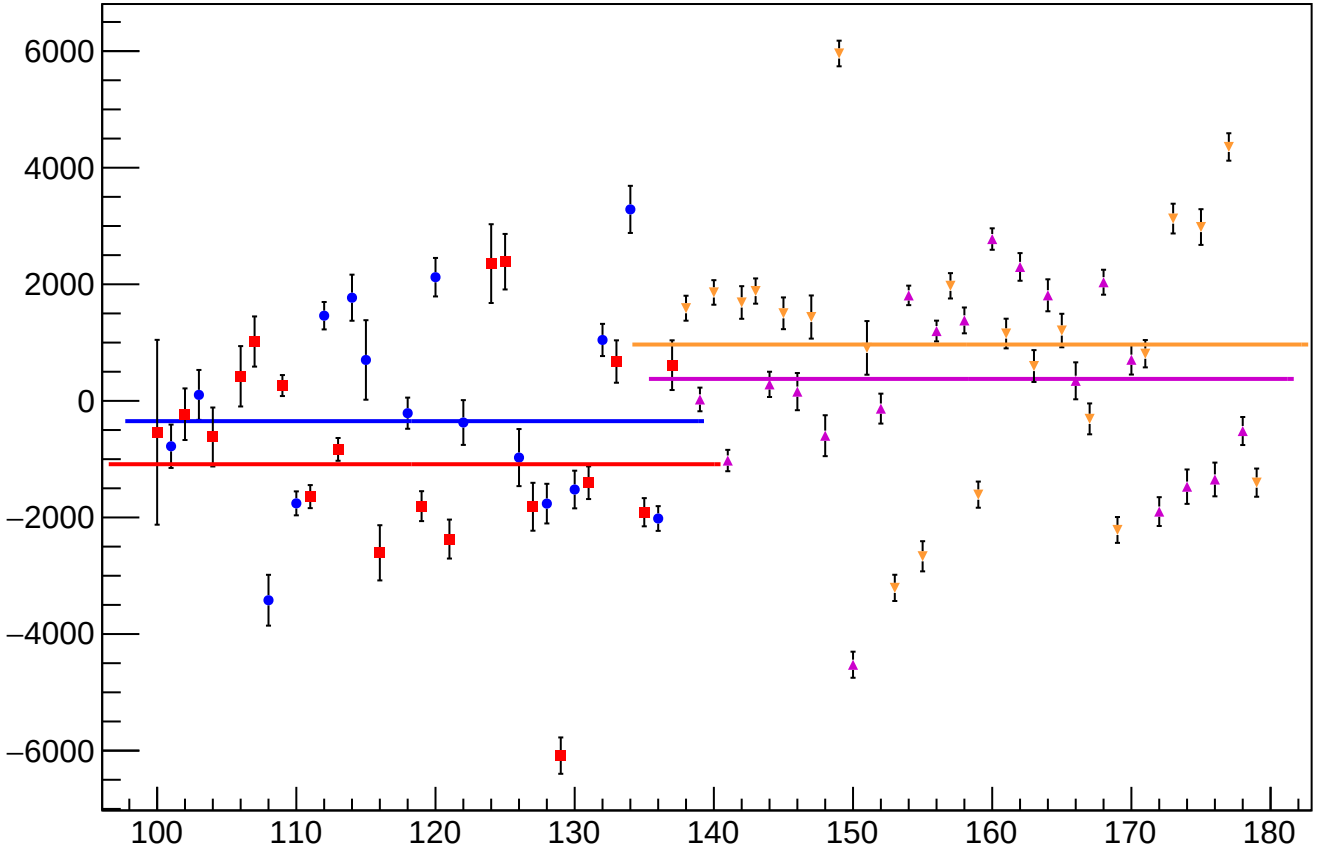
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 203.603+/-0.031 χ^2/NDF:1871779.1/35

Out: 208.260+/-0.031 χ^2/NDF:2455554.3/40

All: 205.943+/-0.022 χ^2/NDF: 4338813.8/76

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 966.721+/-53.069 χ^2/NDF:1917.0/21

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 376.776+/-51.238 χ^2/NDF:1166.8/19

Left: 661.397+/-36.861 χ^2/NDF: 3147.7/41

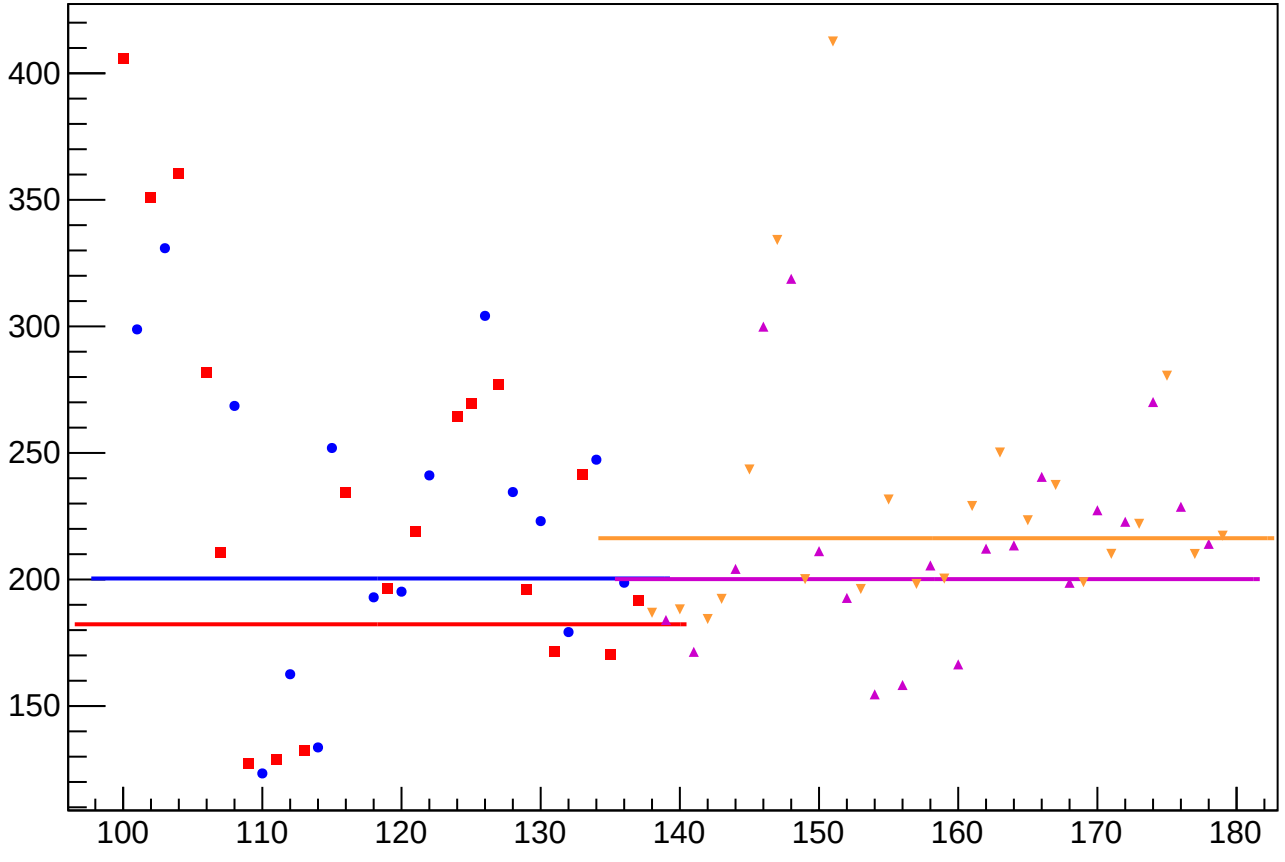
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 160.605+/-42.918 χ^2/NDF:1672.2/35

Out: 237.861+/-42.622 χ^2/NDF:2975.6/40

All: 199.500+/-30.242 χ^2/NDF: 4649.5/76

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.313+/-0.038 χ^2/NDF:921141.7/21

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 200.149+/-0.036 χ^2/NDF:1040564.9/19

Left: 207.948+/-0.026 χ^2/NDF: 2057738.8/41

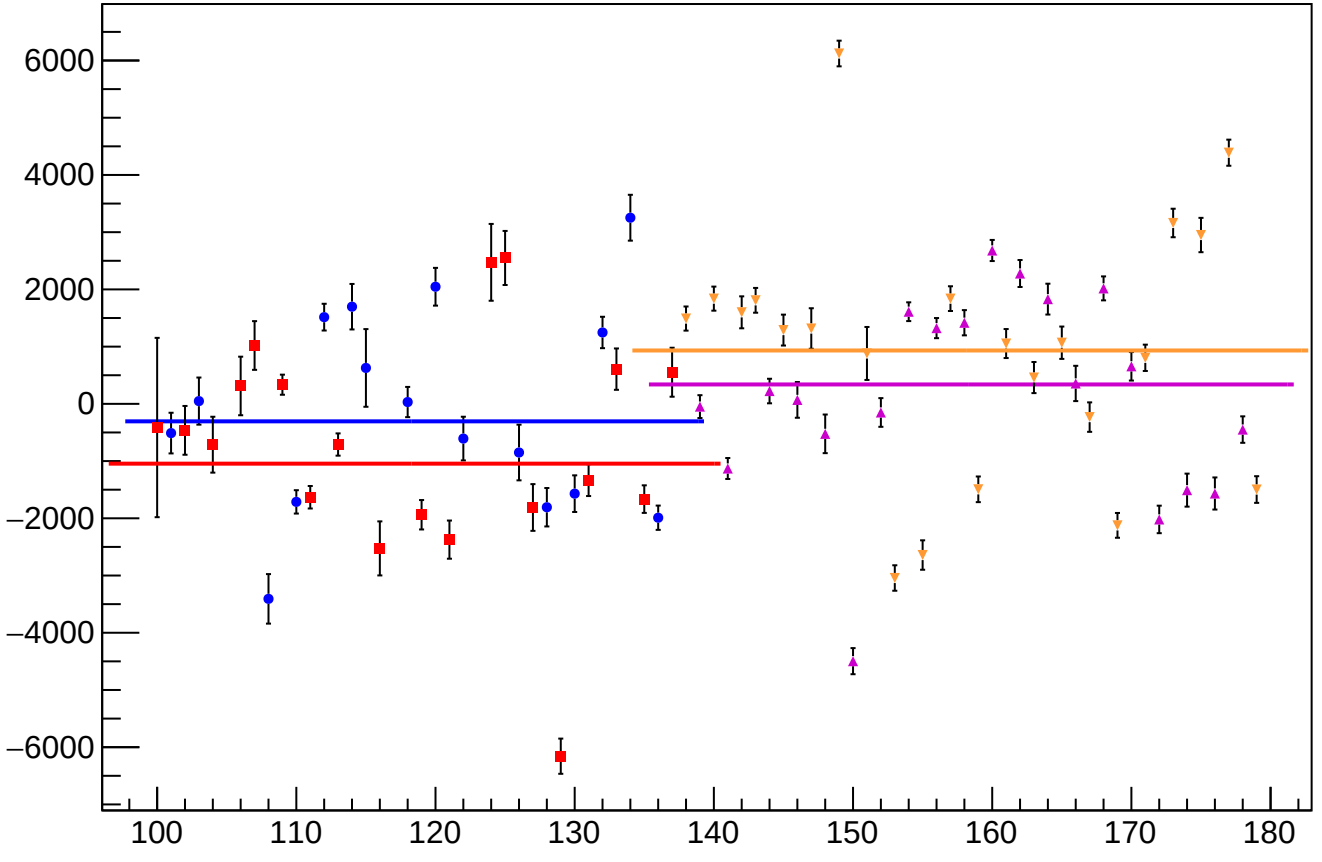
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 200.224+/-0.030 χ^2/NDF:1999579.9/35

Out: 204.241+/-0.030 χ^2/NDF:2659940.0/40

All: 202.246+/-0.021 χ^2/NDF: 4668340.9/76

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 932.656+/-52.423 χ^2/NDF:1919.7/21

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 339.122+/-50.491 χ^2/NDF:1164.0/19

Left: 624.751+/-36.366 χ^2/NDF: 3150.3/41

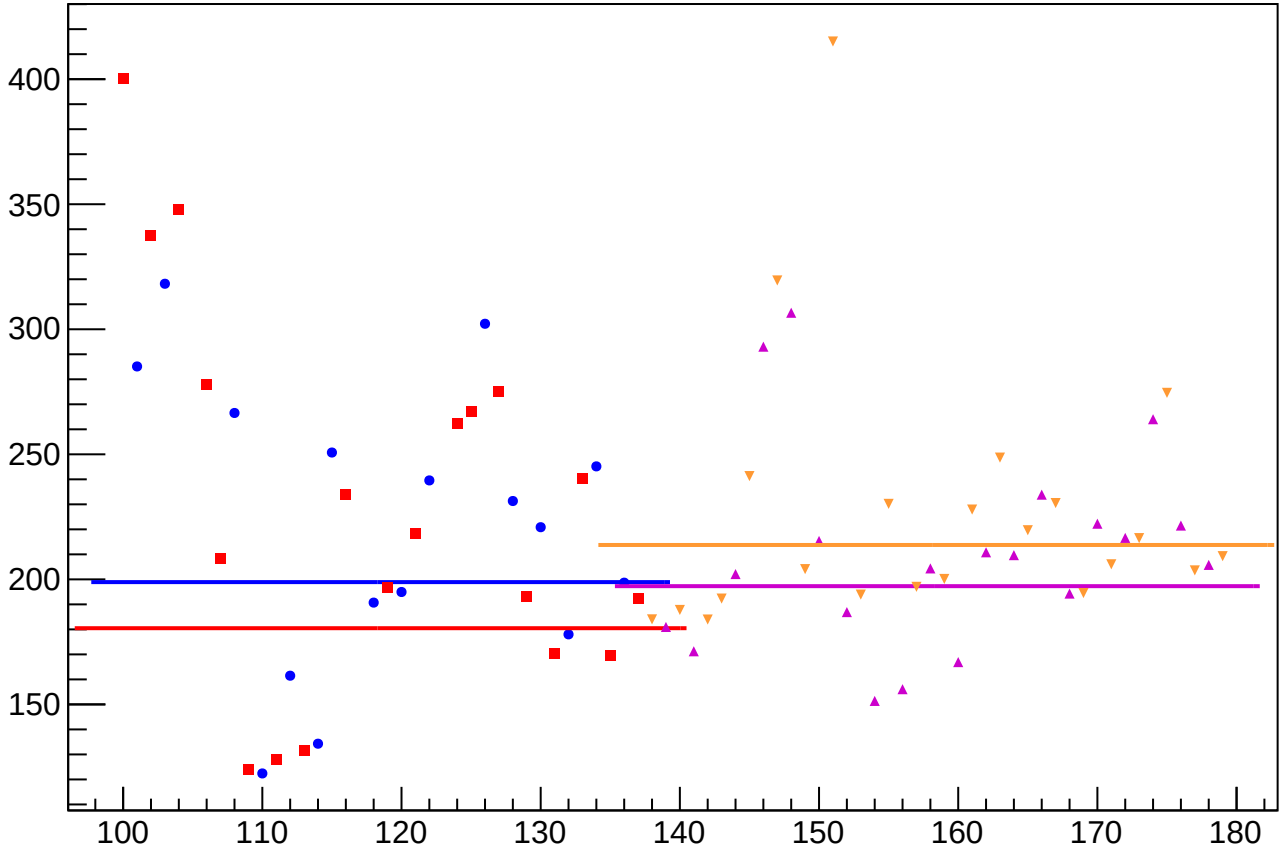
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 148.275+/-42.364 χ^2/NDF:1664.1/35

Out: 232.609+/-42.136 χ^2/NDF:2975.7/40

All: 190.670+/-29.875 χ^2/NDF: 4641.8/76

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.753+/-0.037 χ^2/NDF:891082.3/21

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 197.284+/-0.036 χ^2/NDF:988650.2/19

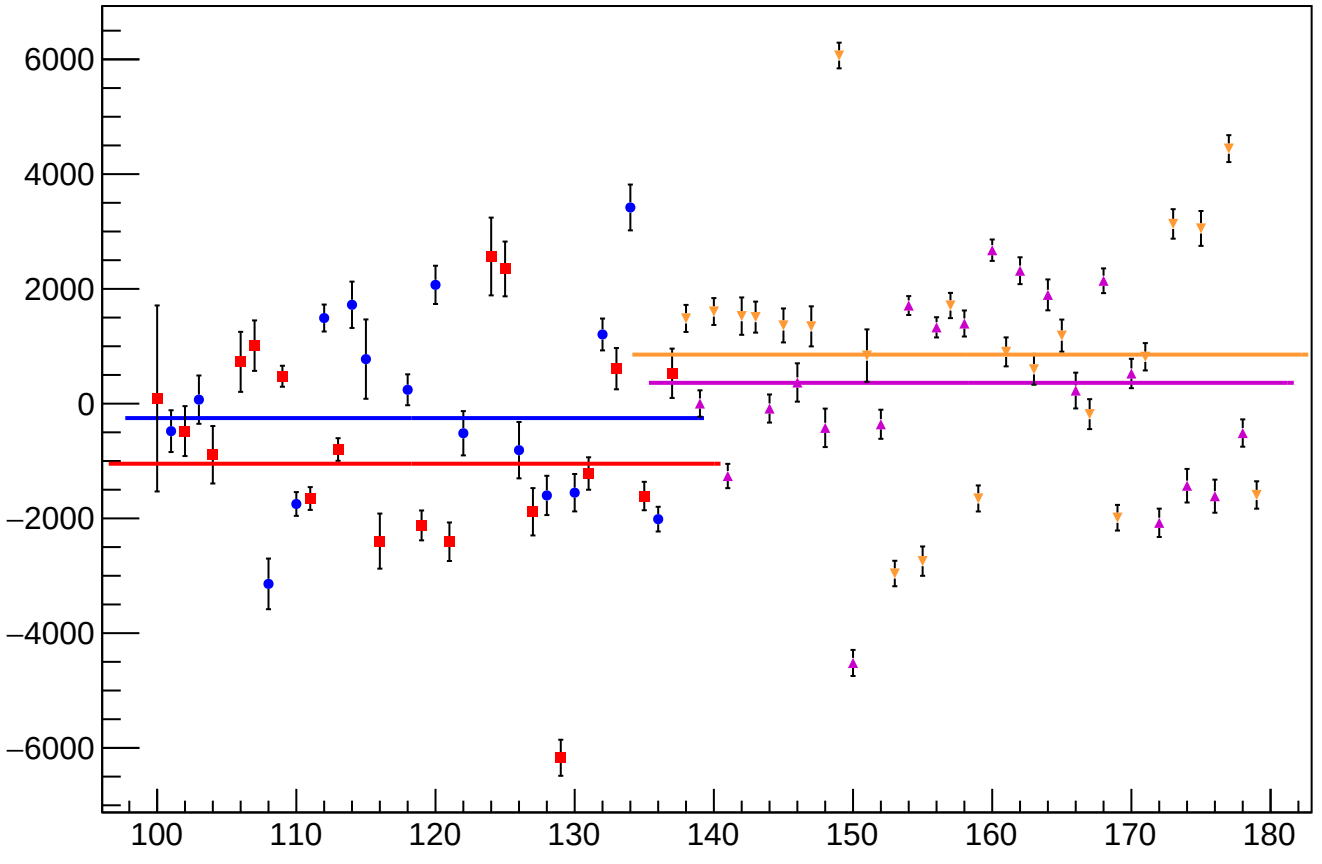
Left: 205.209+/-0.026 χ^2/NDF: 1982122.4/41

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 197.763+/-0.030 χ^2/NDF:1902023.2/35

Out: 201.973+/-0.030 χ^2/NDF:2610818.6/40

All: 199.880+/-0.021 χ^2/NDF: 4522769.5/76



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 854.679+/-54.581 χ^2/NDF:1854.7/21

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 362.706+/-52.352 χ^2/NDF:1178.5/19

Left: 598.439+/-37.782 χ^2/NDF: 3075.6/41

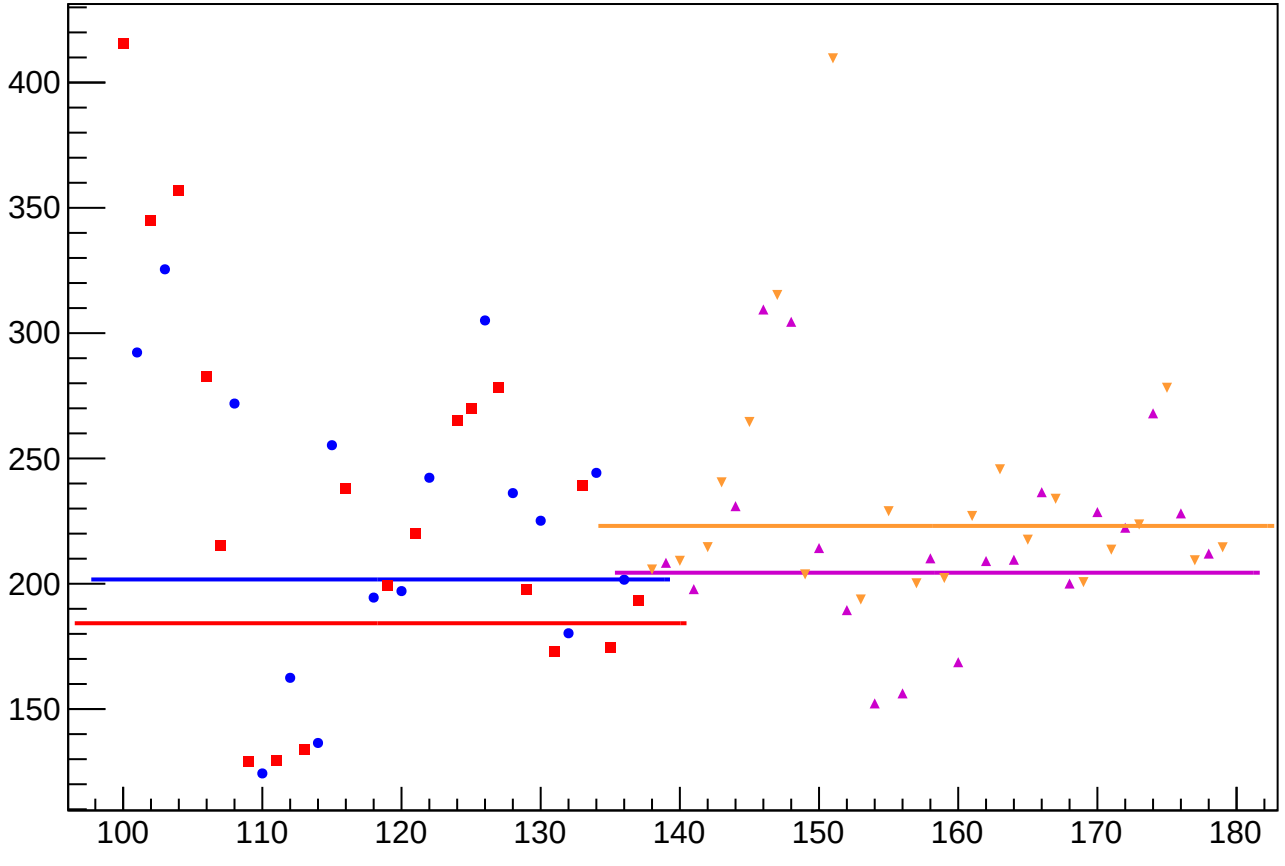
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 175.110+/-43.635 χ^2/NDF:1661.8/35

Out: 162.936+/-43.538 χ^2/NDF:2843.0/40

All: 169.009+/-30.820 χ^2/NDF: 4504.9/76

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.078+/-0.039 χ^2/NDF:746640.0/21

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 204.403+/-0.037 χ^2/NDF:999260.2/19

Left: 213.351+/-0.027 χ^2/NDF: 1867839.5/41

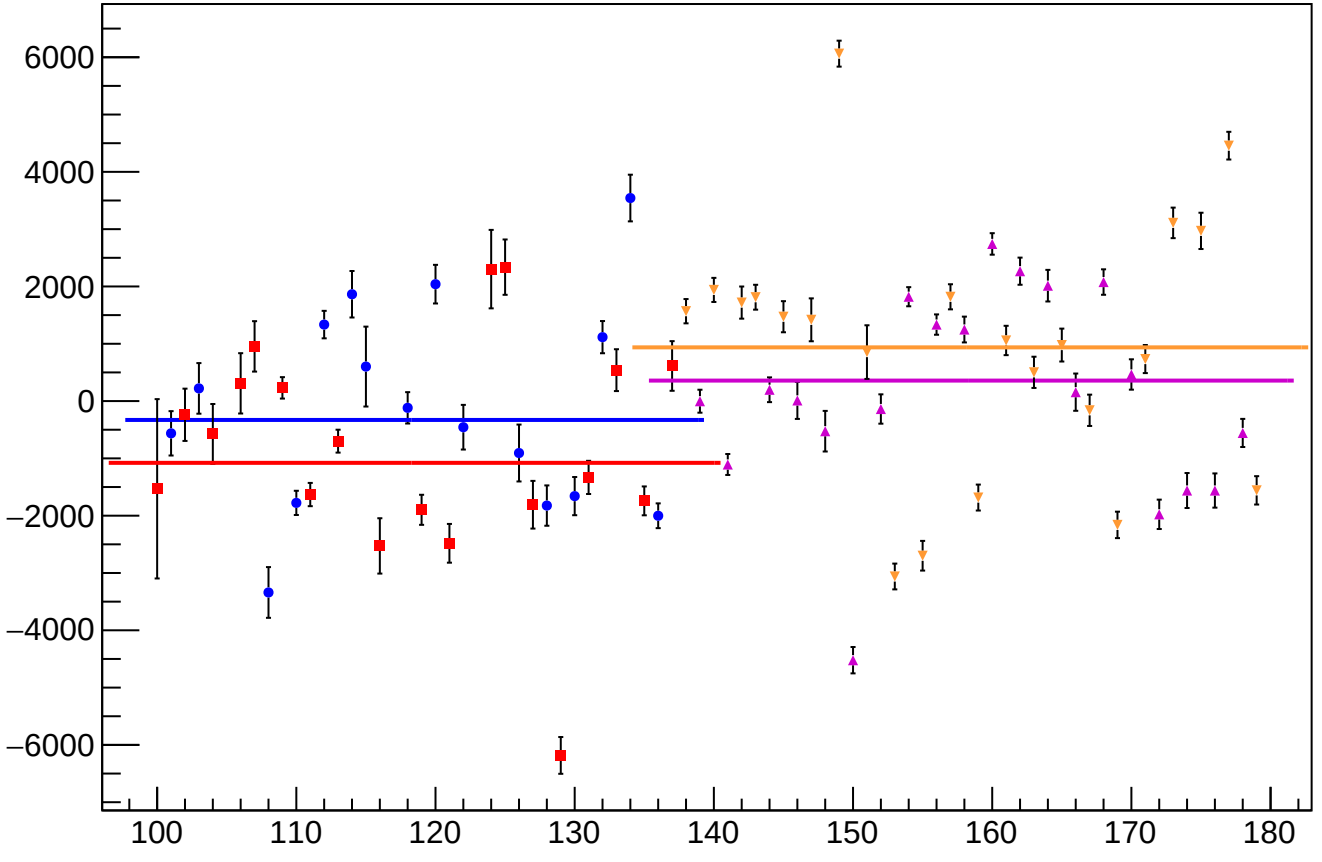
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 203.582+/-0.031 χ^2/NDF:1925082.2/35

Out: 208.953+/-0.031 χ^2/NDF:2518653.7/40

All: 206.274+/-0.022 χ^2/NDF: 4458918.3/76

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 937.214+/-53.778 χ^2/NDF:1856.8/21

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 357.493+/-51.812 χ^2/NDF:1152.4/19

Left: 636.560+/-37.312 χ^2/NDF: 3069.5/41

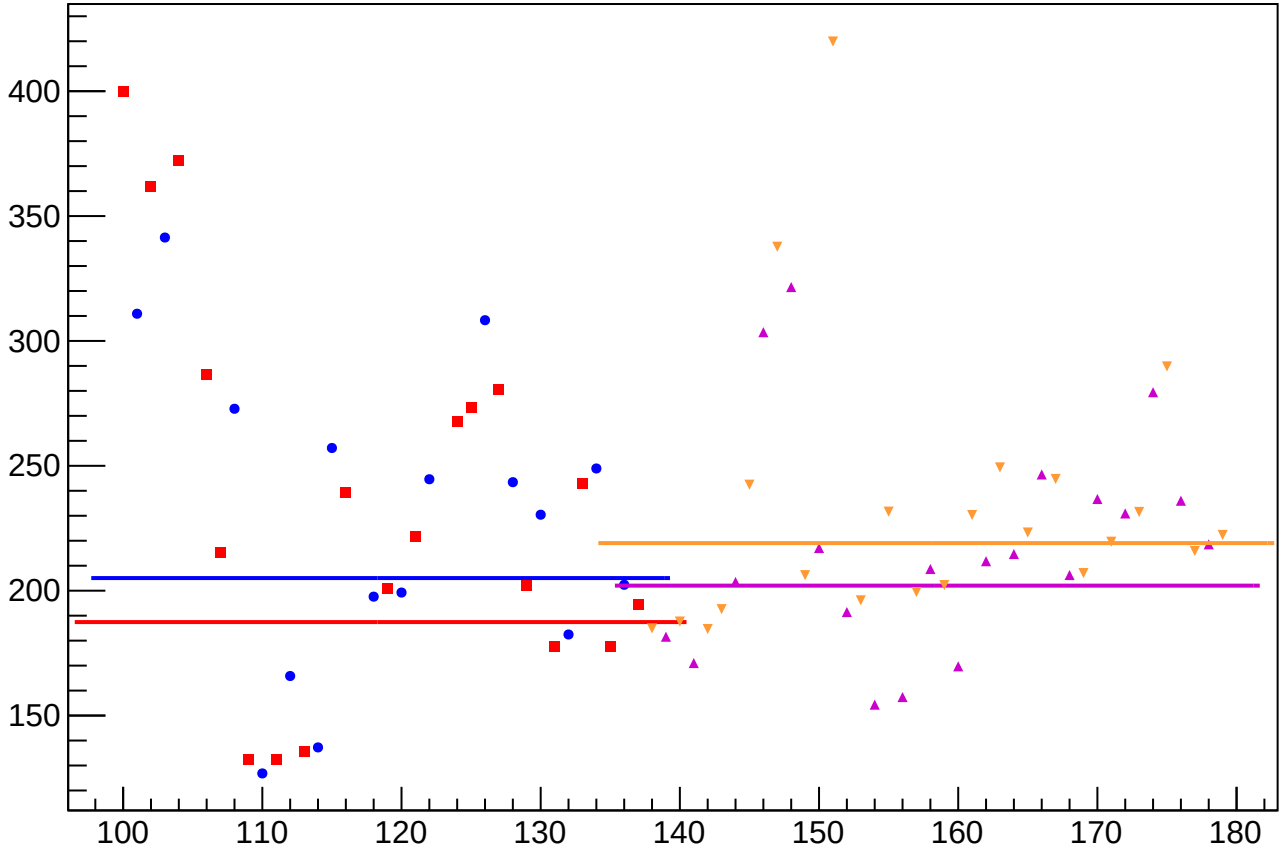
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 155.831+/-43.547 χ^2/NDF:1640.4/35

Out: 233.393+/-43.382 χ^2/NDF:2849.2/40

All: 194.759+/-30.734 χ^2/NDF: 4491.2/76

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 219.055+/-0.038 χ^2/NDF:956451.9/21

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 202.025+/-0.037 χ^2/NDF:1135508.3/19

Left: 210.223+/-0.026 χ^2/NDF: 2195976.0/41

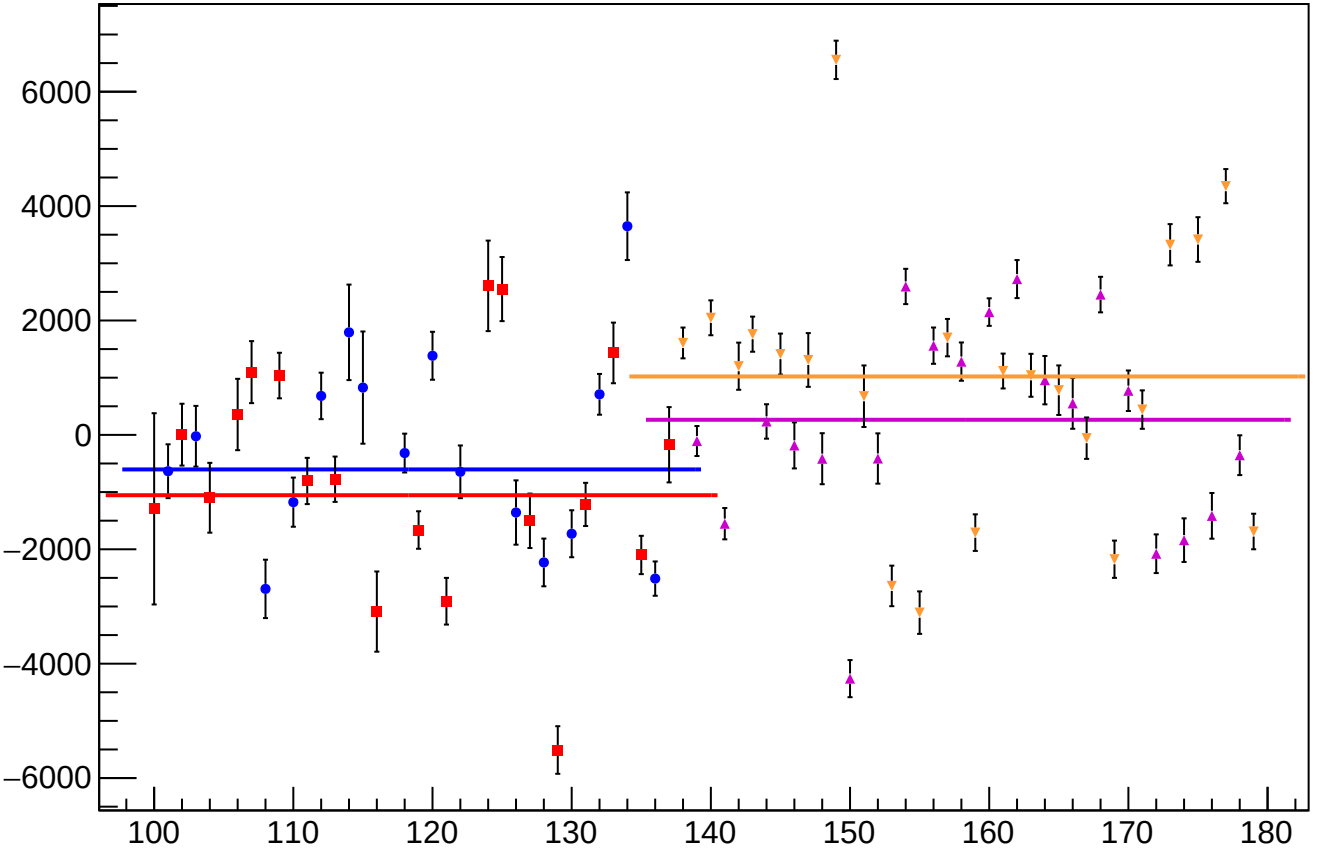
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 202.914+/-0.031 χ^2/NDF:2100566.0/35

Out: 208.010+/-0.031 χ^2/NDF:2608805.5/40

All: 205.471+/-0.022 χ^2/NDF: 4723116.5/76

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1021.585+/-73.543 χ^2/NDF:990.7/21

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 264.164+/-74.631 χ^2/NDF:599.2/19

Left: 648.435+/-52.383 χ^2/NDF: 1642.2/41

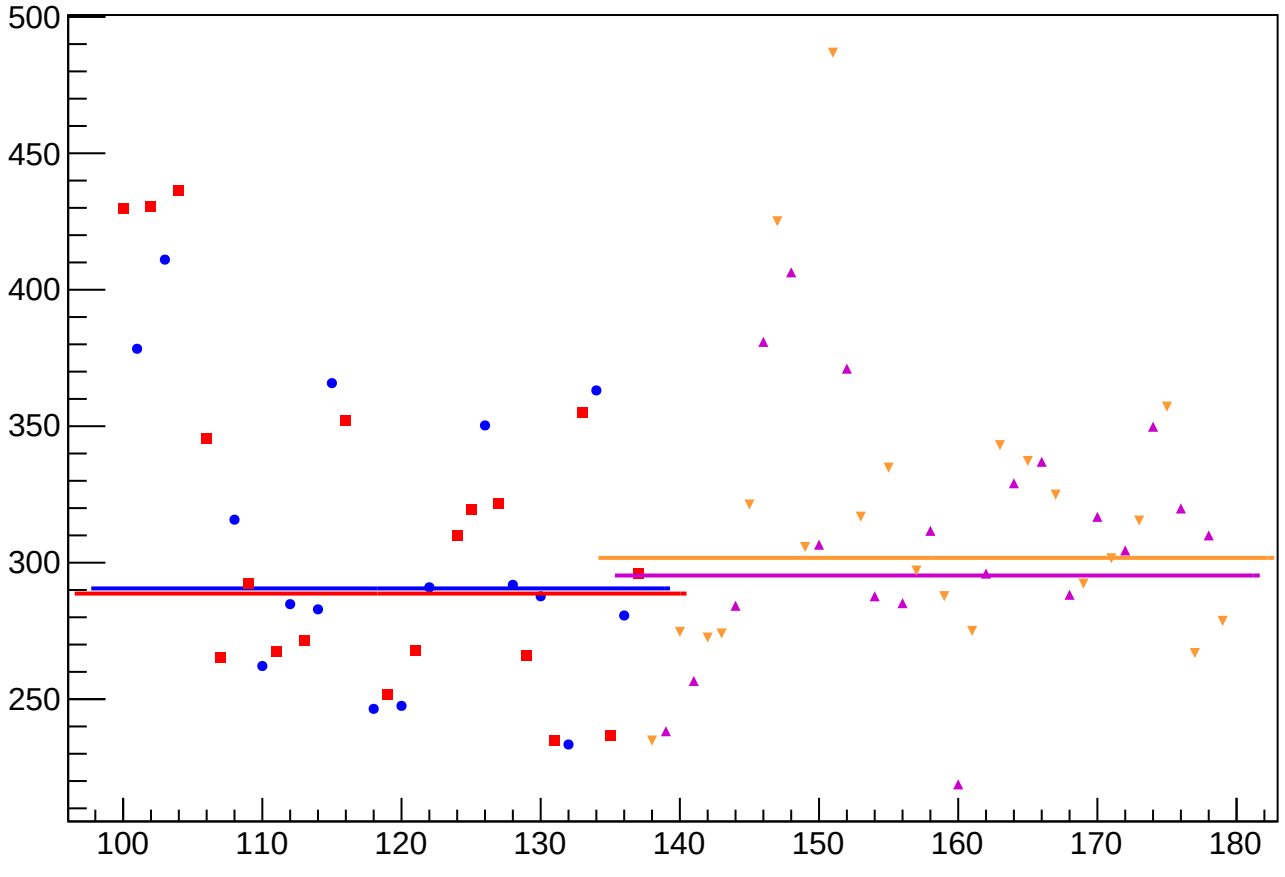
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -7.100+/-61.880 χ^2/NDF:835.0/35

Out: 366.058+/-60.834 χ^2/NDF:1540.0/40

All: 182.658+/-43.381 χ^2/NDF: 2393.5/76

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 301.774+/-0.052 χ^2/NDF:714119.7/21

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 295.308+/-0.053 χ^2/NDF:715511.1/19

Left: 298.589+/-0.037 χ^2/NDF: 1437246.0/41

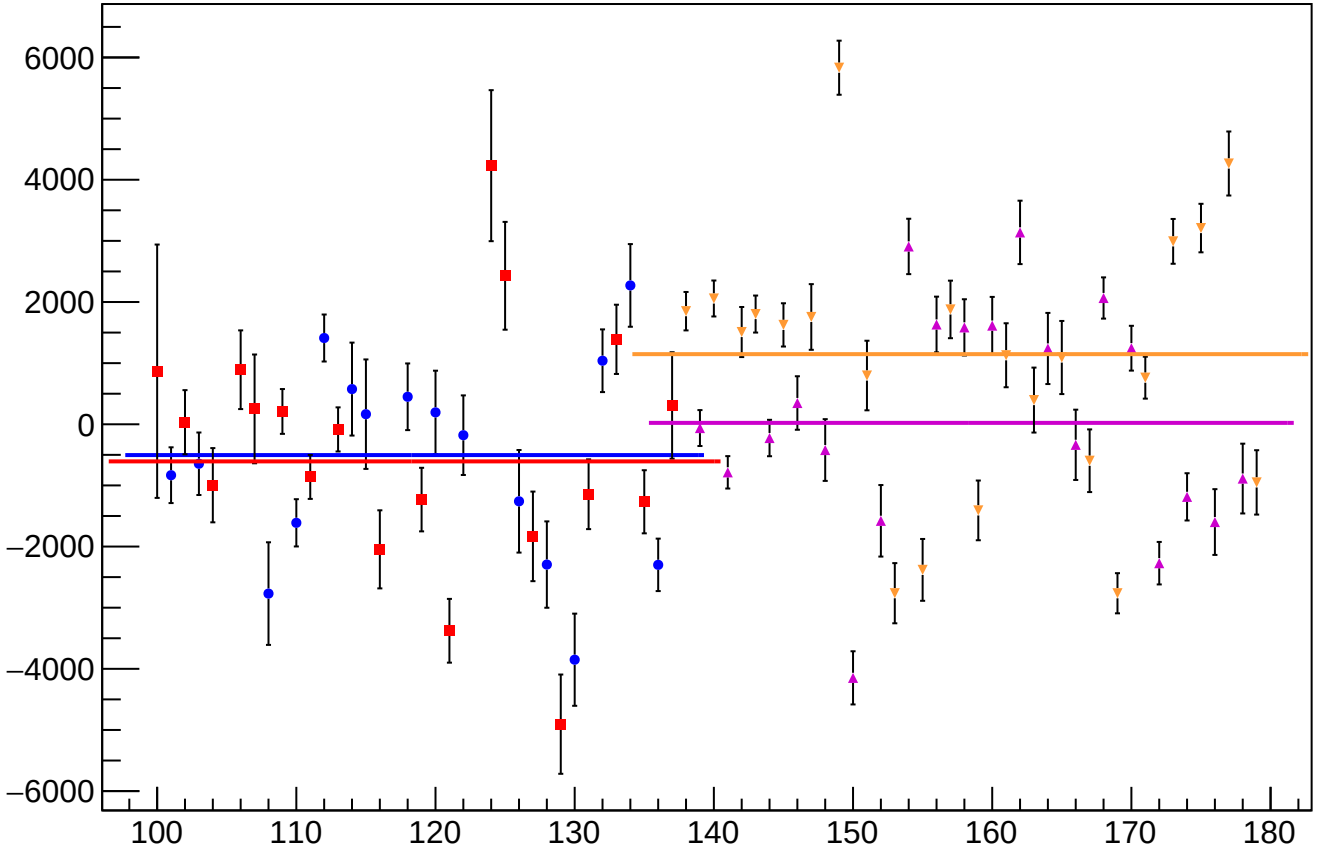
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.826+/-0.044 χ^2/NDF:1077841.8/35

Out: 297.641+/-0.043 χ^2/NDF:1223214.1/40

All: 295.766+/-0.031 χ^2/NDF: 2304921.5/76

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1147.237+/-88.536 χ^2/NDF:537.7/21

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 23.048+/-90.970 χ^2/NDF:340.6/19

Left: 600.383+/-63.447 χ^2/NDF: 956.8/41

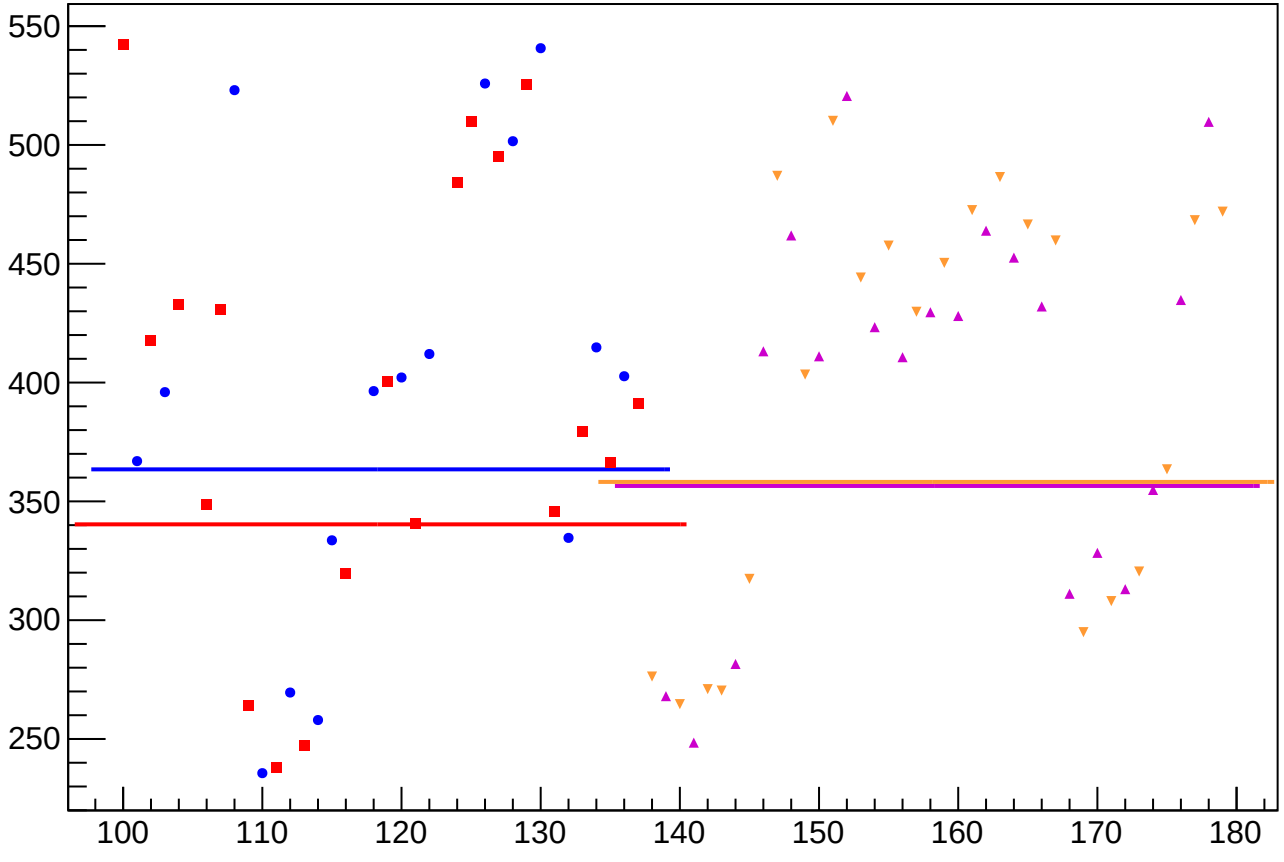
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -133.231+/-76.290 χ^2/NDF:468.8/35

Out: 589.139+/-73.107 χ^2/NDF:787.7/40

All: 243.337+/-52.784 χ^2/NDF: 1303.3/76

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 358.188+/-0.063 χ^2/NDF:1834865.9/21

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 356.488+/-0.064 χ^2/NDF:1559224.6/19

Left: 357.361+/-0.045 χ^2/NDF: 3394449.5/41

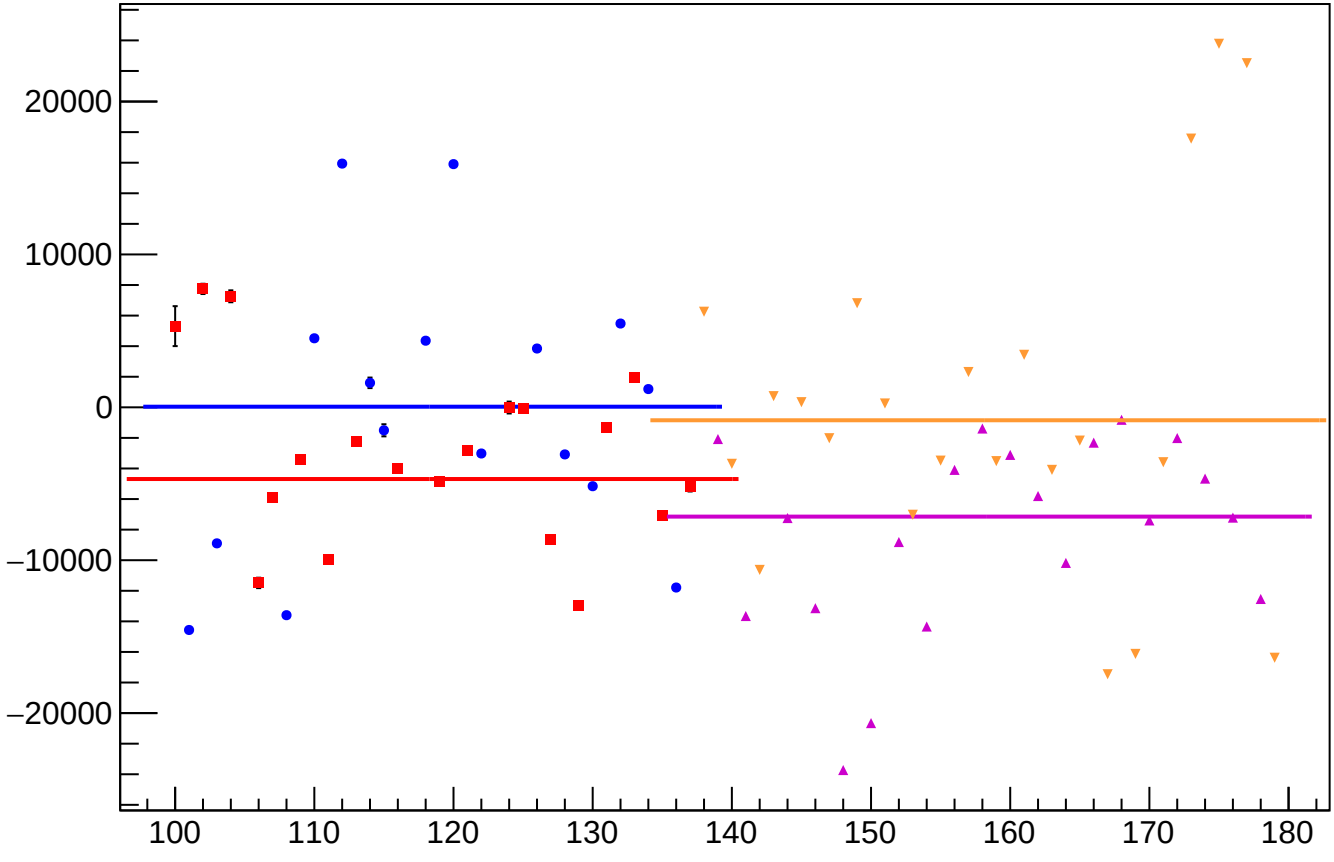
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 358.560+/-0.054 χ^2/NDF:2343614.5/35

Out: 352.507+/-0.052 χ^2/NDF:2716979.7/40

All: 355.405+/-0.037 χ^2/NDF: 5067156.7/76

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -846.860+/-42.227 χ^2/NDF:57576.4/21

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7148.113+/-43.962 χ^2/NDF:18173.8/19

Left: -3870.685+/-30.454 χ^2/NDF: 86435.9/41

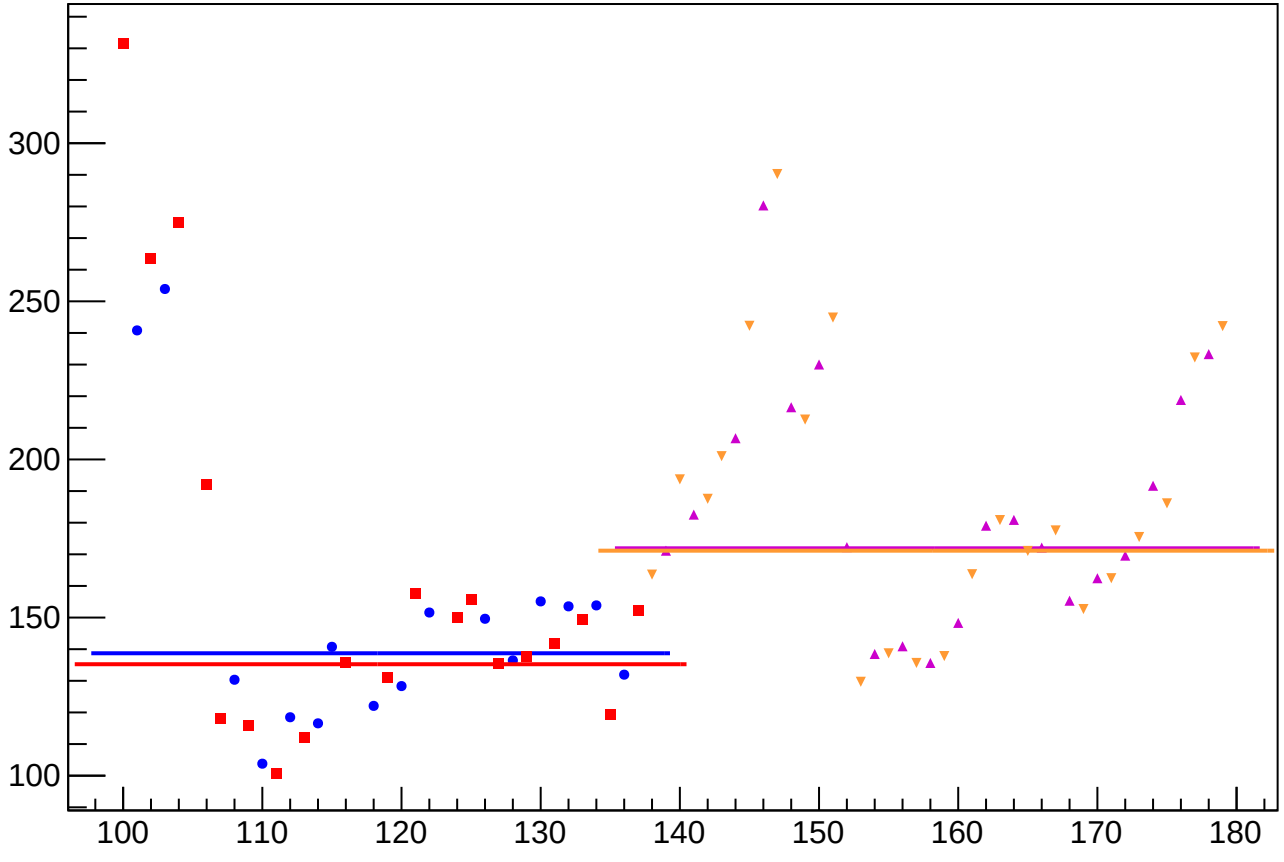
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4295.222+/-34.143 χ^2/NDF:59572.1/35

Out: -2370.601+/-32.804 χ^2/NDF:68655.9/40

All: -3294.442+/-23.655 χ^2/NDF: 129880.3/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 171.151+/-0.030 χ^2/NDF:1442199.1/21

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 171.902+/-0.031 χ^2/NDF:1064963.4/19

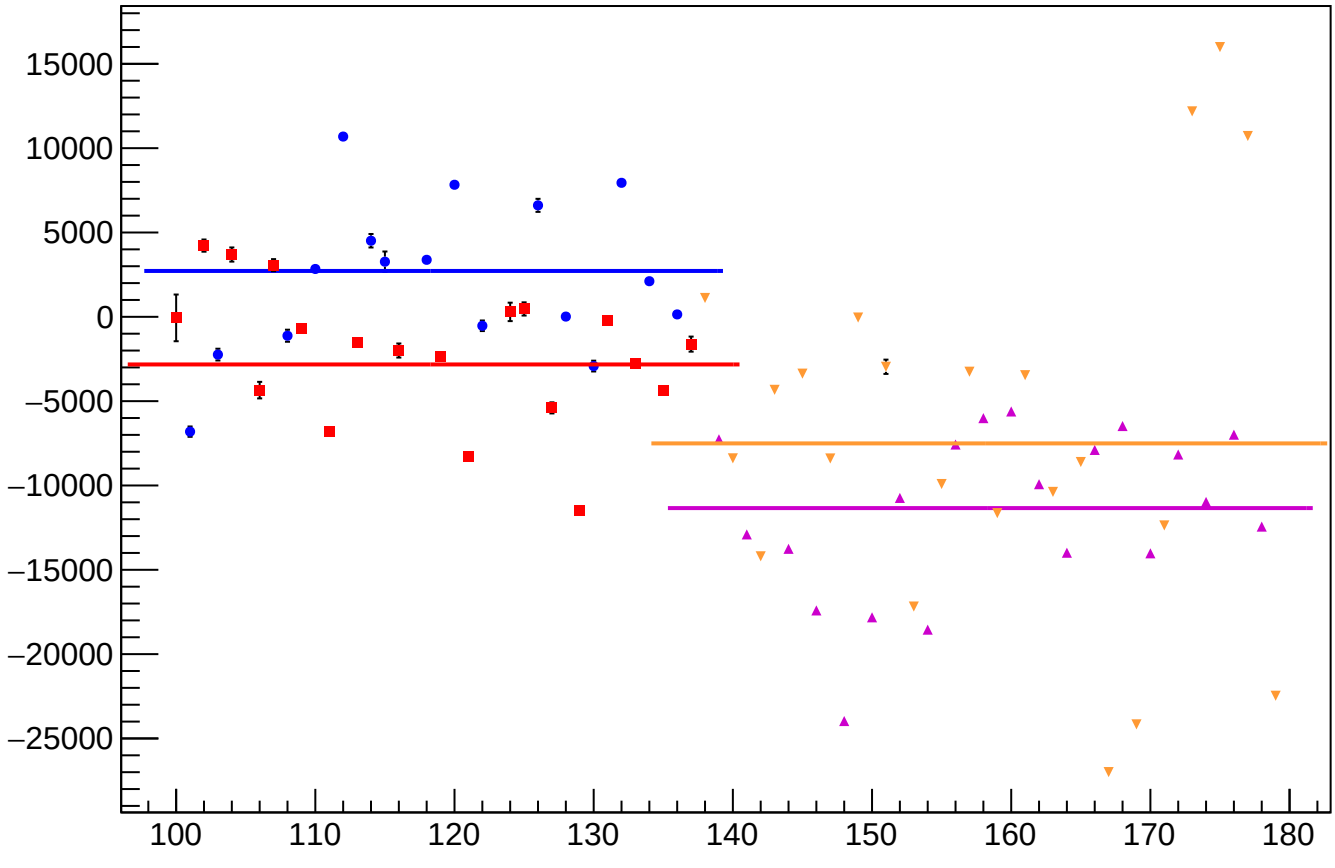
Left: 171.511+/-0.022 χ^2/NDF: 2507466.2/41

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 158.731+/-0.024 χ^2/NDF:2175133.0/35

Out: 156.914+/-0.023 χ^2/NDF:2905588.6/40

All: 157.786+/-0.017 χ^2/NDF: 5083667.4/76



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -7505.069+/-48.470 χ^2/NDF:50251.5/21

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11341.064+/-46.468 χ^2/NDF:10866.7/19

Left: -9503.938+/-33.543 χ^2/NDF: 64382.0/41

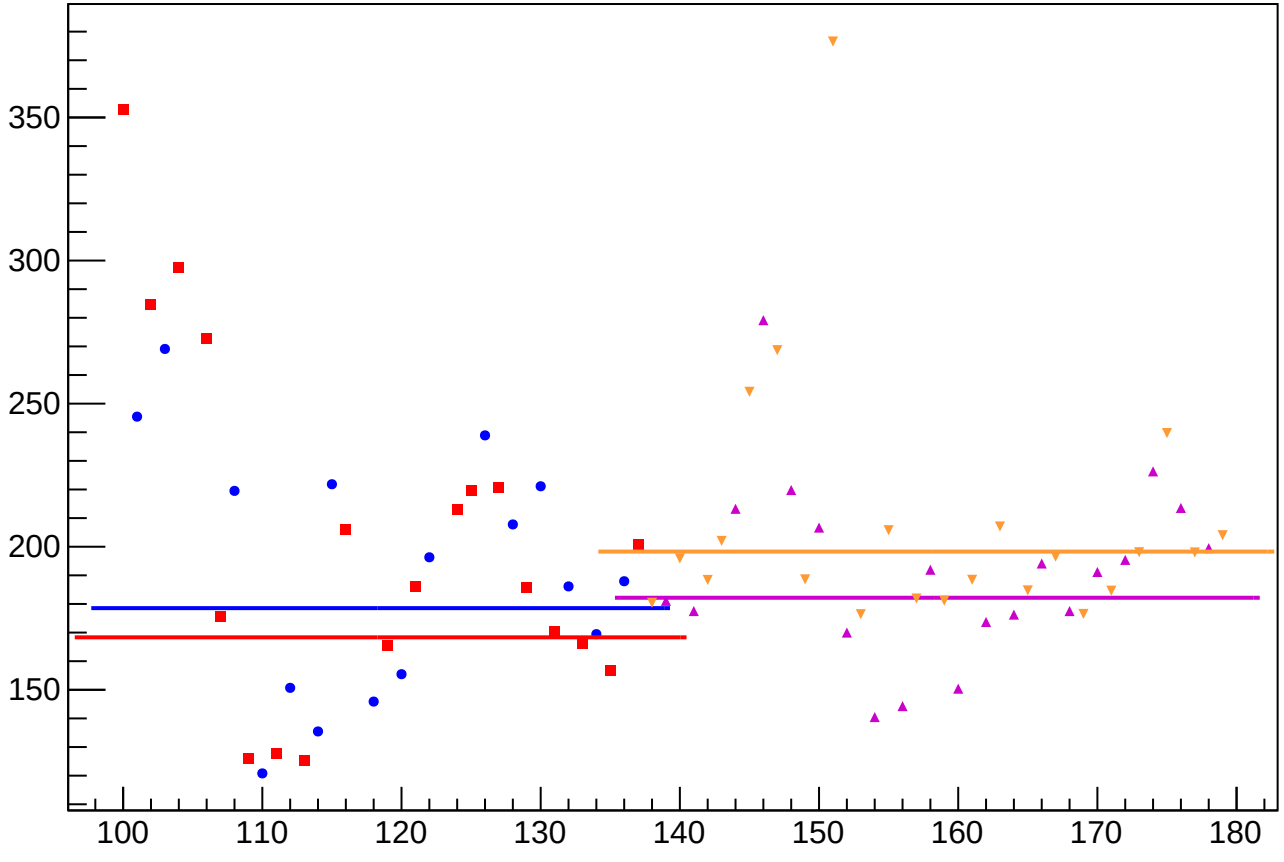
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6975.272+/-38.586 χ^2/NDF:43425.5/35

Out: -5827.187+/-38.824 χ^2/NDF:56657.7/40

All: -6404.771+/-27.368 χ^2/NDF: 100523.1/7

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.300+/-0.034 χ^2/NDF:718205.4/21

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 182.169+/-0.033 χ^2/NDF:793023.9/19

Left: 189.895+/-0.024 χ^2/NDF: 1626651.8/41

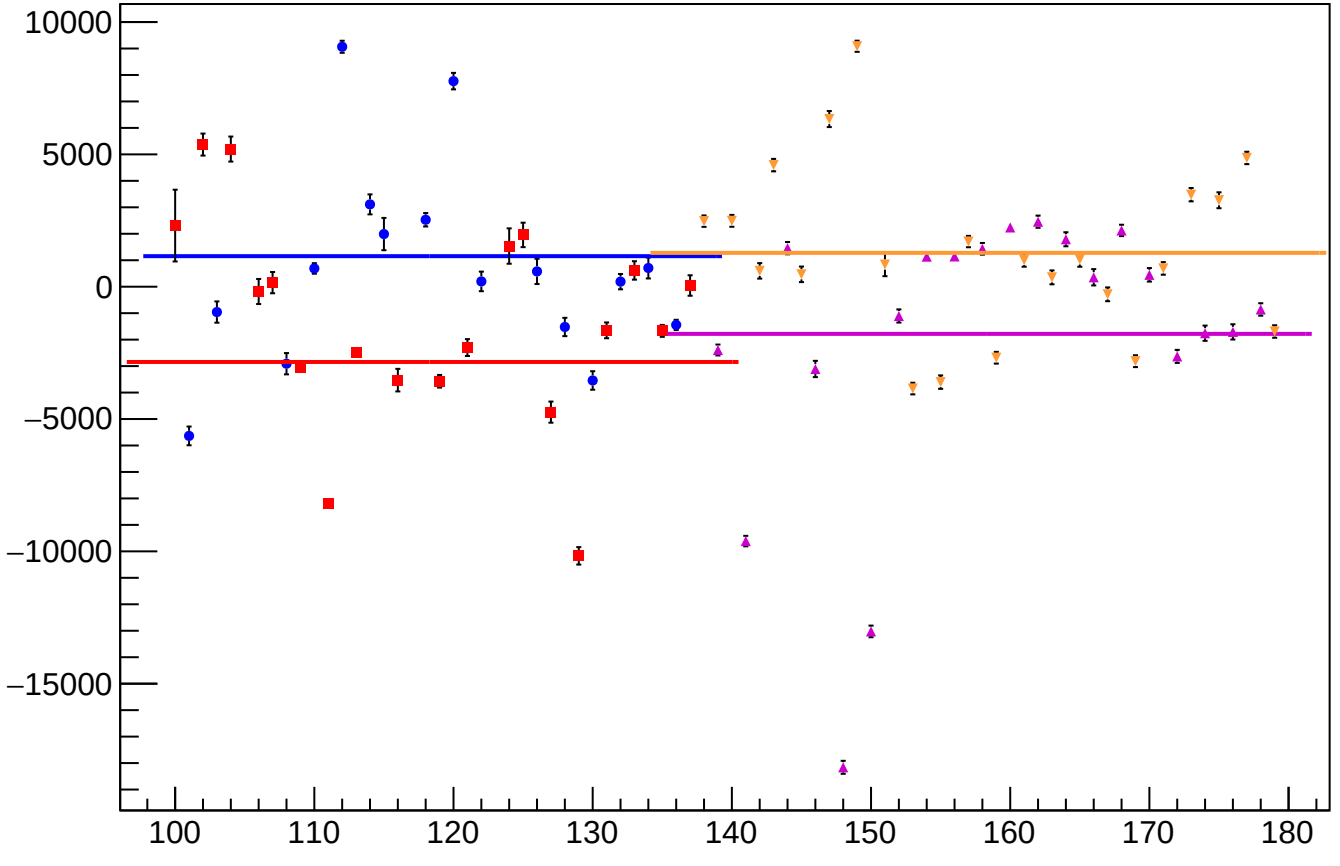
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.043+/-0.027 χ^2/NDF:1471376.3/35

Out: 187.560+/-0.027 χ^2/NDF:1971663.8/40

All: 184.281+/-0.019 χ^2/NDF: 3471392.4/76

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1279.102+/-52.896 χ^2/NDF:4053.4/21

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1782.231+/-50.723 χ^2/NDF:11109.4/19

Left: -315.738+/-36.611 χ^2/NDF: 16907.8/41

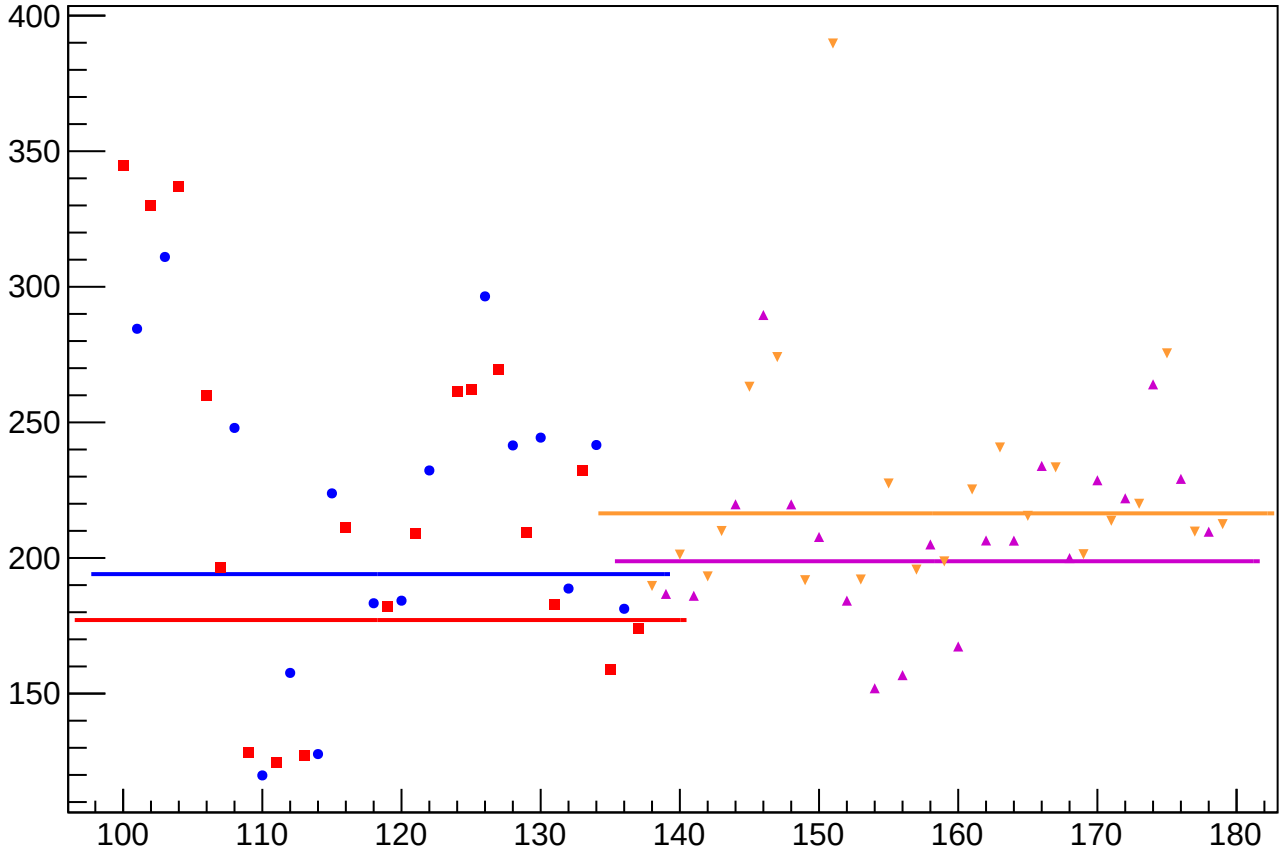
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -876.729+/-42.182 χ^2/NDF:14798.1/35

Out: -243.174+/-42.011 χ^2/NDF:8749.7/40

All: -558.663+/-29.767 χ^2/NDF: 23661.1/76

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.457+/-0.037 χ^2/NDF:691287.4/21

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 198.799+/-0.036 χ^2/NDF:767631.5/19

Left: 207.258+/-0.026 χ^2/NDF: 1575027.7/41

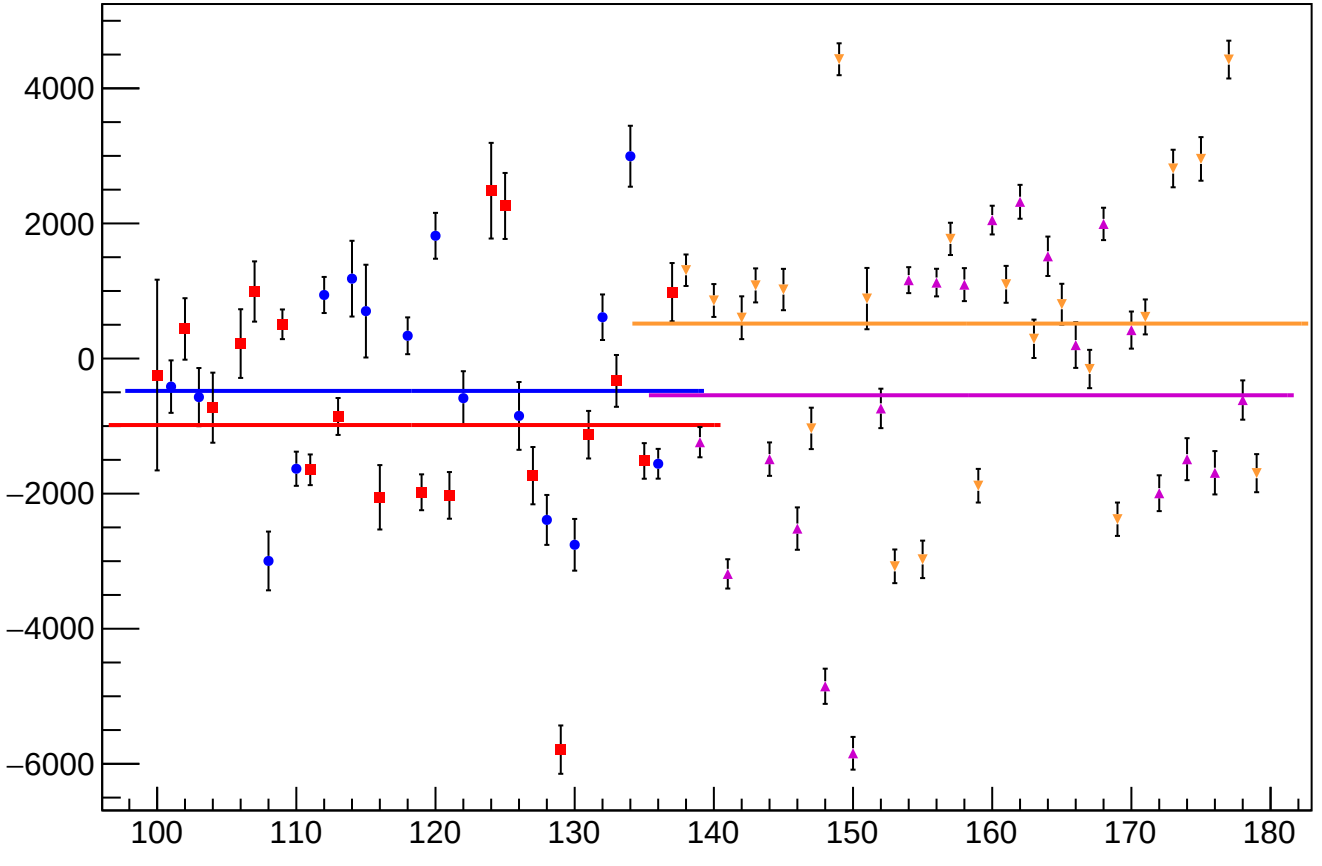
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 197.335+/-0.030 χ^2/NDF:1738818.5/35

Out: 201.931+/-0.030 χ^2/NDF:2459121.3/40

All: 199.643+/-0.021 χ^2/NDF: 4209859.1/76

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 517.351+/-58.102 χ^2/NDF:1340.0/21

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -543.714+/-56.411 χ^2/NDF:1665.1/19

Left: -28.845+/-40.473 χ^2/NDF: 3176.7/41

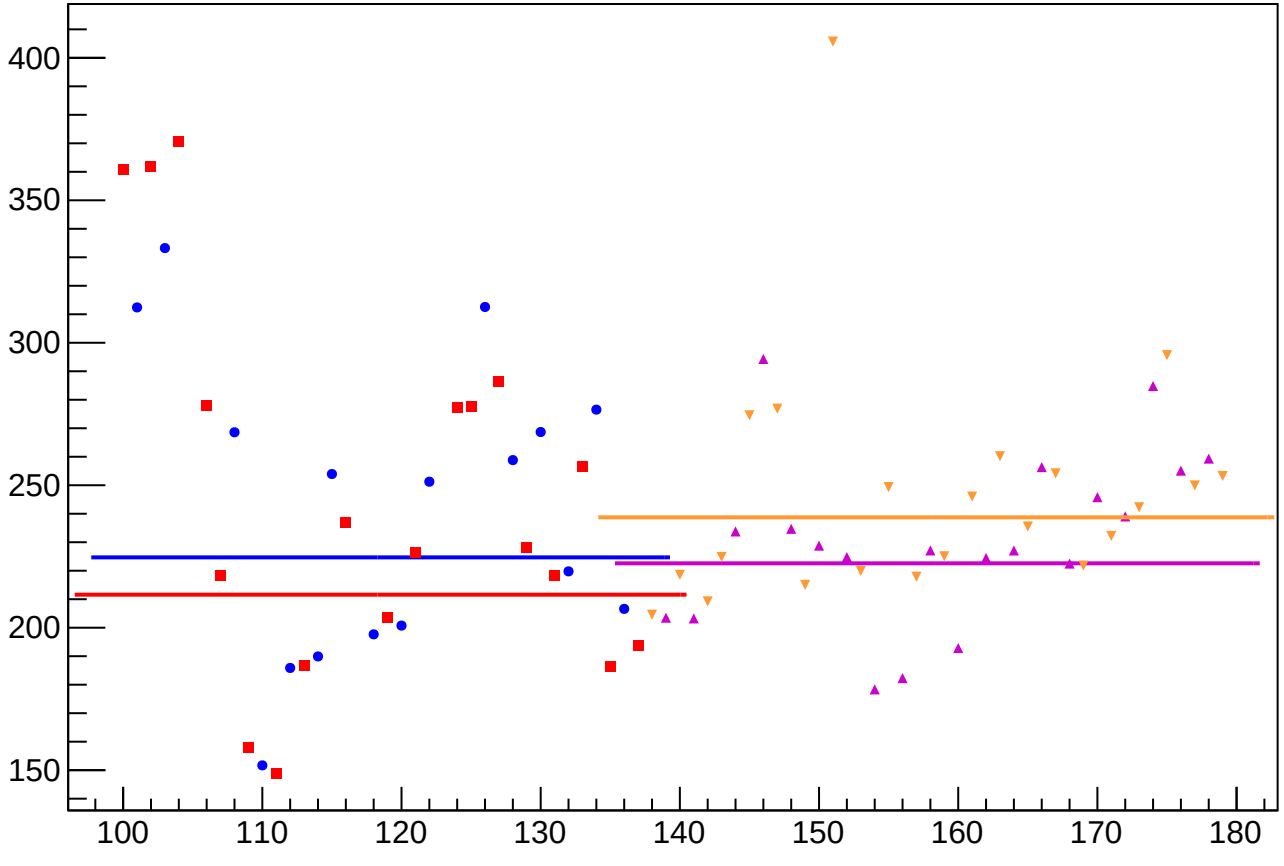
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -524.551+/-47.281 χ^2/NDF:1970.9/35

Out: 6.677+/-47.201 χ^2/NDF:1965.3/40

All: -258.487+/-33.404 χ^2/NDF: 3999.4/76

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.741+/-0.041 χ^2/NDF:565629.4/21

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 222.594+/-0.040 χ^2/NDF:543257.1/19

Left: 230.429+/-0.029 χ^2/NDF: 1188403.2/41

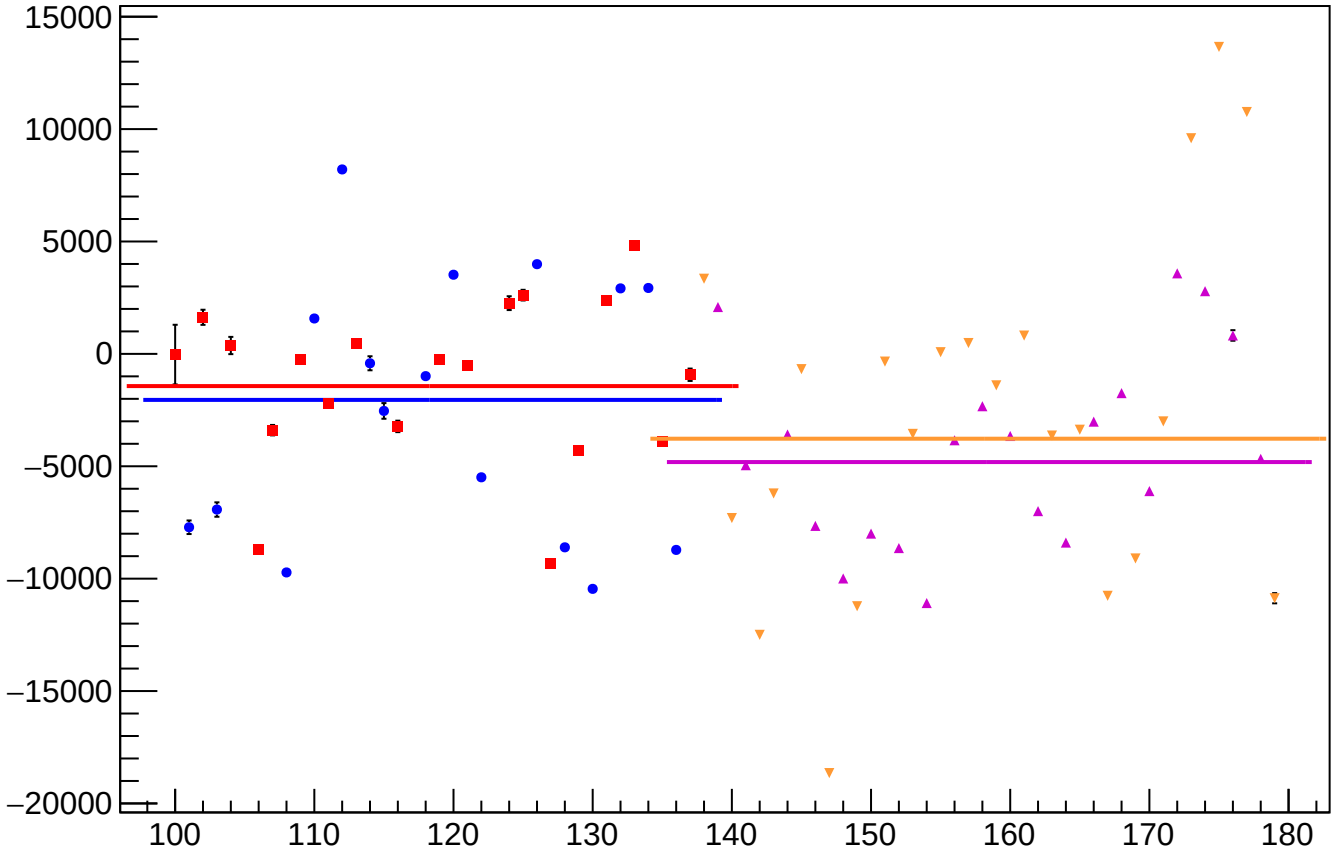
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 223.215+/-0.033 χ^2/NDF:1197266.1/35

Out: 229.511+/-0.033 χ^2/NDF:1646986.7/40

All: 226.368+/-0.024 χ^2/NDF: 2862011.1/76

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3773.721+/-31.583 χ^2/NDF:52608.2/21

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4812.873+/-32.787 χ^2/NDF:15228.2/19

Left: -4273.863+/-22.746 χ^2/NDF: 68357.4/41

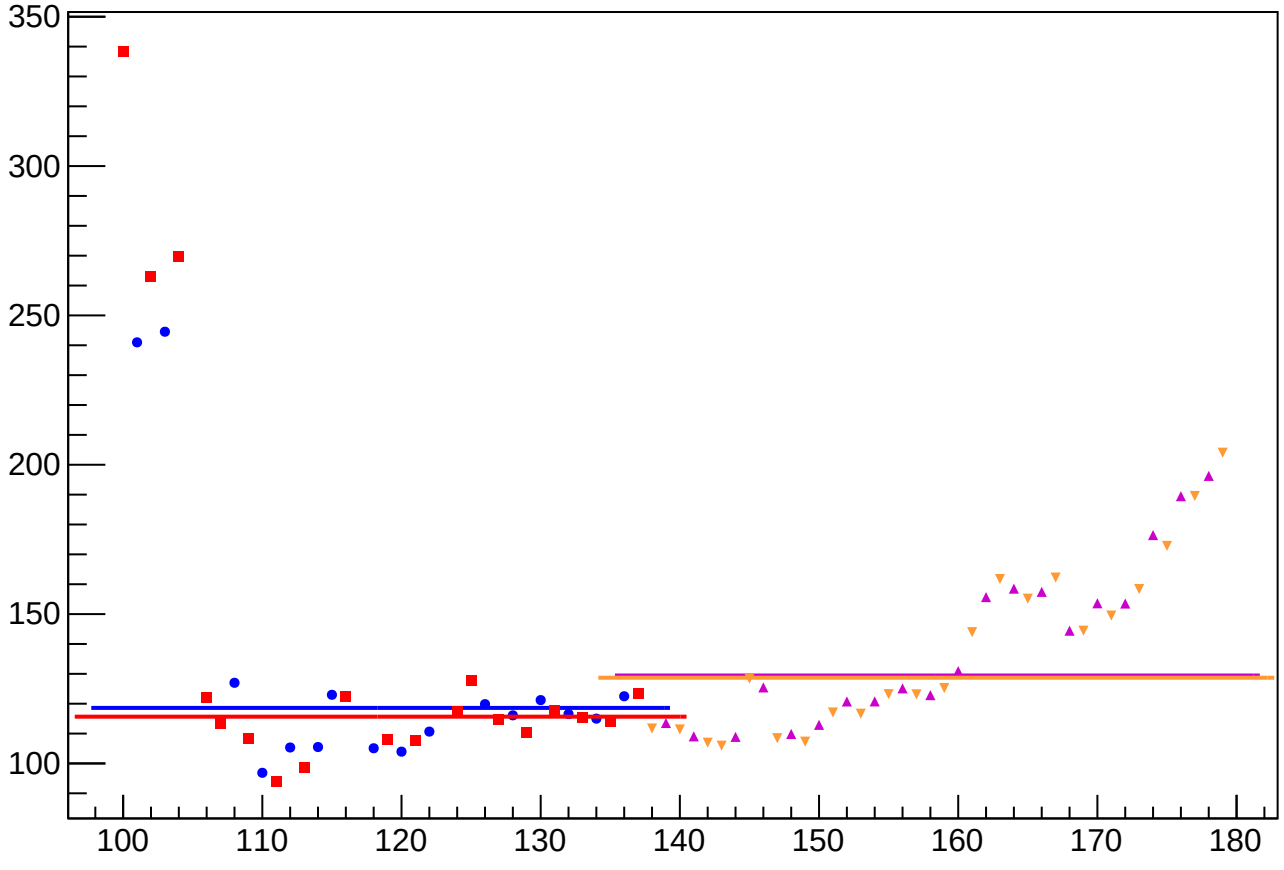
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3900.314+/-26.838 χ^2/NDF:34285.0/35

Out: -2994.931+/-25.800 χ^2/NDF:60823.6/40

All: -3429.767+/-18.600 χ^2/NDF: 95700.0/76

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 128.698+/-0.022 χ^2/NDF:1132841.8/21

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 129.447+/-0.023 χ^2/NDF:923521.6/19

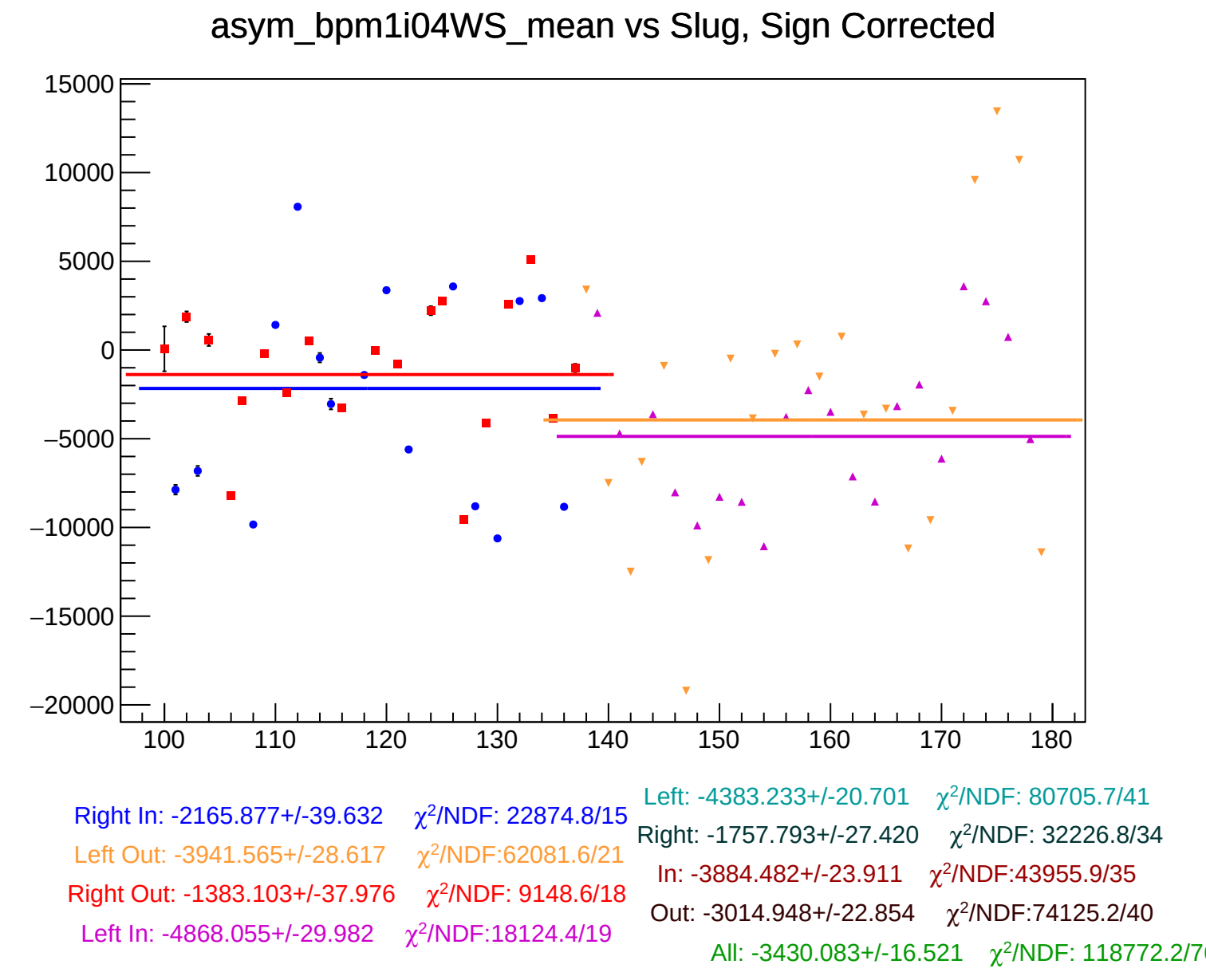
Left: 129.059+/-0.016 χ^2/NDF: 2056905.8/41

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

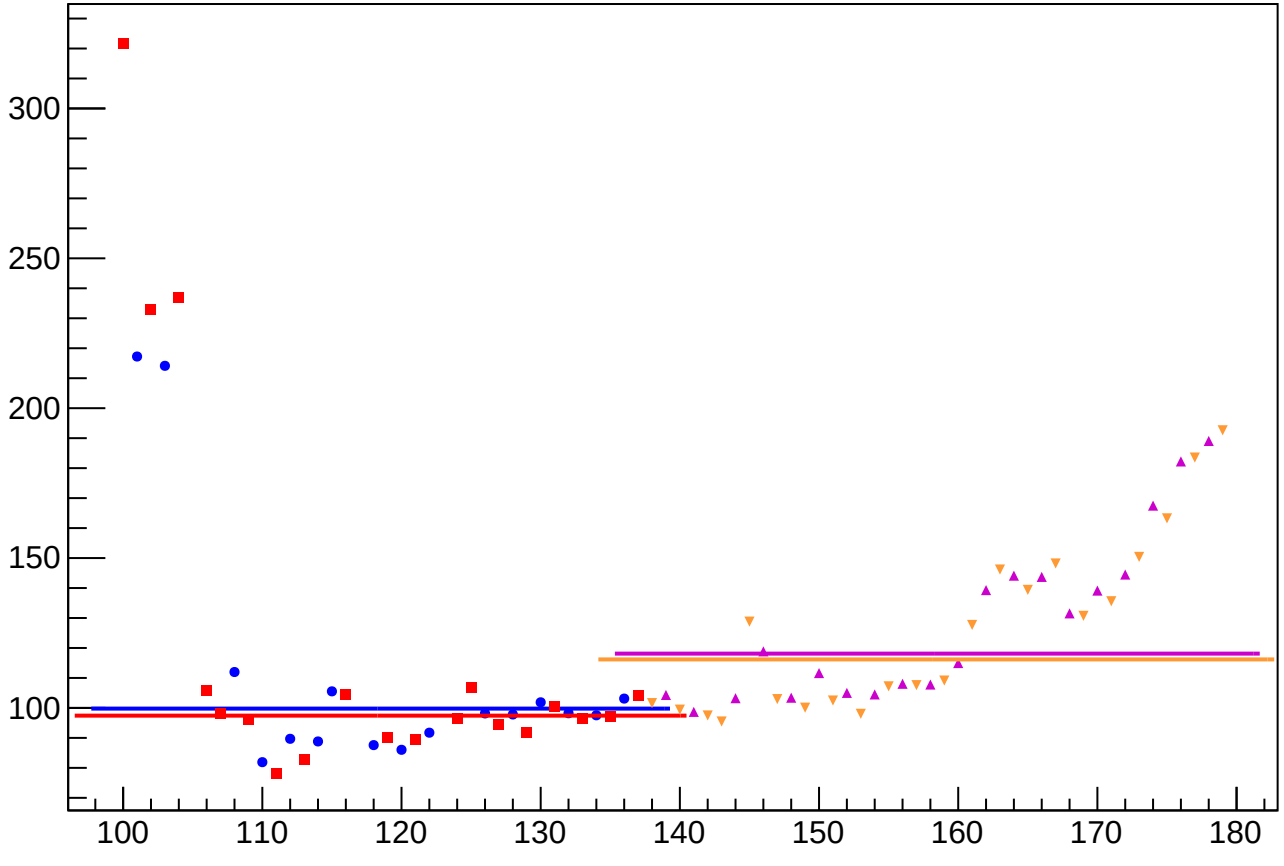
In: 125.867+/-0.019 χ^2/NDF:1729970.3/35

Out: 124.360+/-0.018 χ^2/NDF:2110447.0/40

All: 125.084+/-0.013 χ^2/NDF: 3843693.8/76


asym_bpm1i04WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2165.877+/-39.632 χ²/NDF: 22874.8/15
Left Out: -3941.565+/-28.617 χ²/NDF:62081.6/21
Right Out: -1383.103+/-37.976 χ²/NDF: 9148.6/18
Left In: -4868.055+/-29.982 χ²/NDF:18124.4/19
Left: -4383.233+/-20.701 χ²/NDF: 80705.7/41
Right: -1757.793+/-27.420 χ²/NDF: 32226.8/34
In: -3884.482+/-23.911 χ²/NDF:43955.9/35
Out: -3014.948+/-22.854 χ²/NDF:74125.2/40
All: -3430.083+/-16.521 χ²/NDF: 118772.2/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 116.184+/-0.020 χ^2/NDF:1309446.4/21

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 118.120+/-0.021 χ^2/NDF:1006853.9/19

Left: 117.107+/-0.015 χ^2/NDF: 2320664.2/41

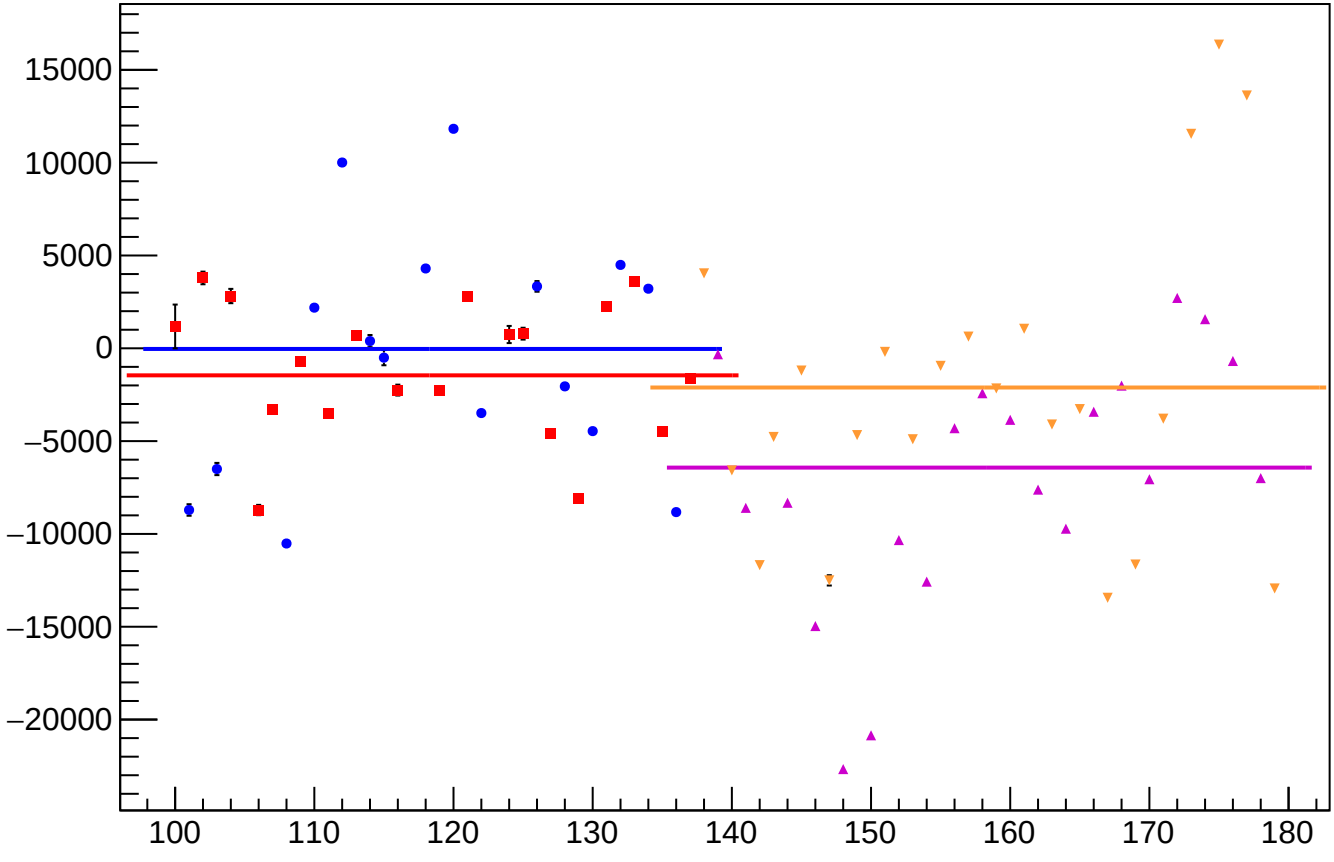
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 111.442+/-0.017 χ^2/NDF:2088557.3/35

Out: 109.391+/-0.016 χ^2/NDF:2546671.8/40

All: 110.370+/-0.012 χ^2/NDF: 4642923.5/76

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2112.083+/-39.445 χ^2/NDF:31230.4/21

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6427.267+/-41.661 χ^2/NDF:18864.1/19

Left: -4151.893+/-28.643 χ^2/NDF: 55751.7/41

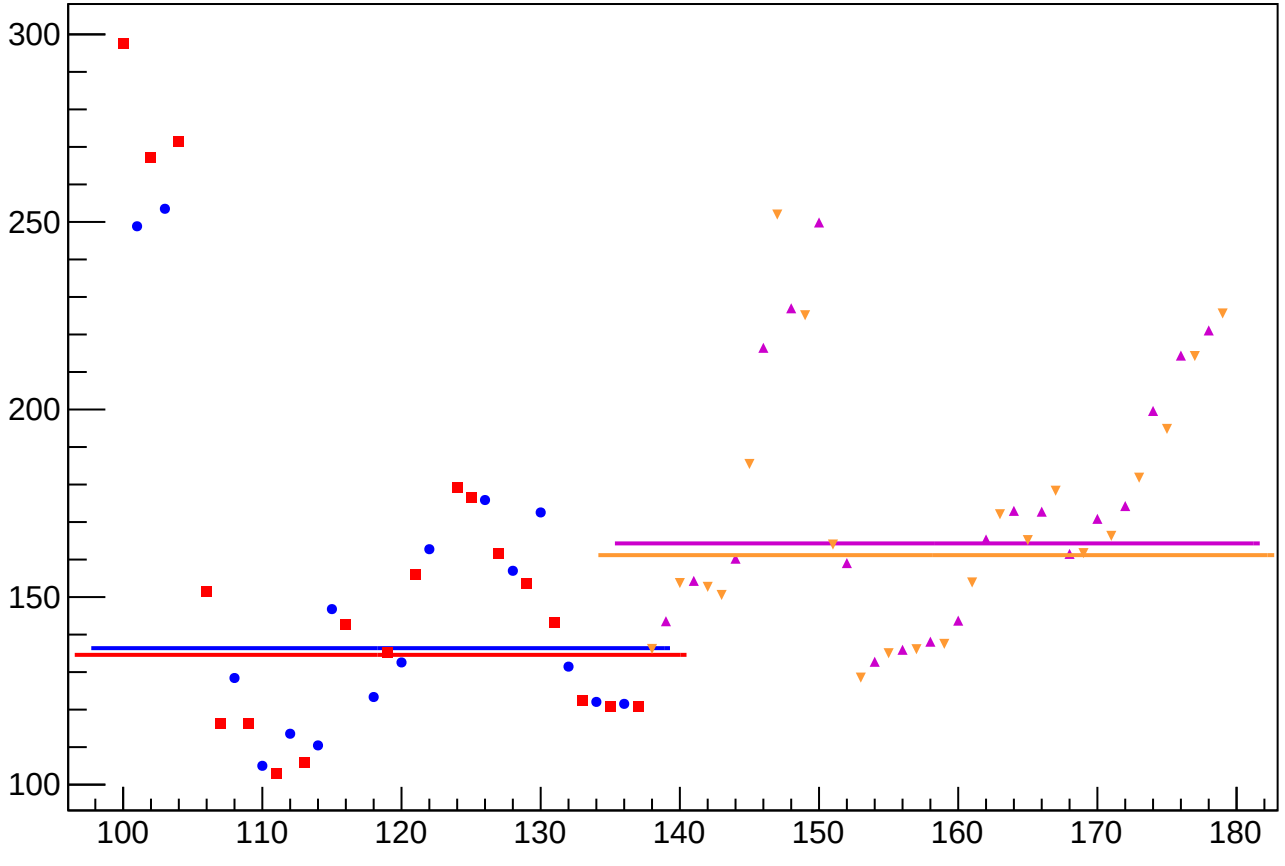
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4012.220+/-32.862 χ^2/NDF:44562.0/35

Out: -1872.376+/-31.415 χ^2/NDF:35448.4/40

All: -2894.132+/-22.708 χ^2/NDF: 82225.9/76

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 161.179+/-0.028 χ^2/NDF:1041140.5/21

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 164.307+/-0.029 χ^2/NDF:985233.0/19

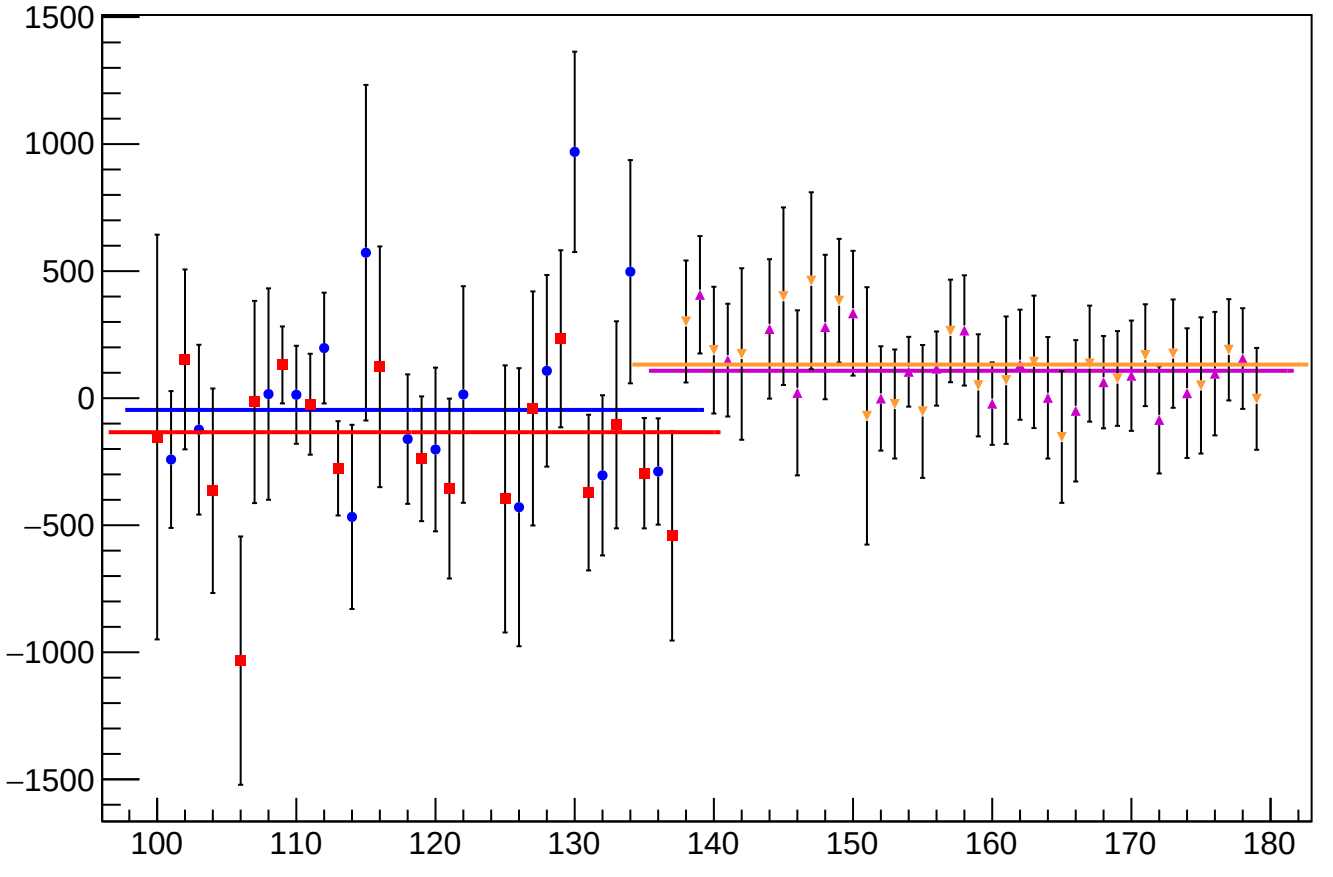
Left: 162.658+/-0.020 χ^2/NDF: 2032319.6/41

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 153.758+/-0.023 χ^2/NDF:2121543.8/35

Out: 151.458+/-0.022 χ^2/NDF:2292898.6/40

All: 152.556+/-0.016 χ^2/NDF: 4419562.8/76



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 132.345+/-52.028 χ^2/NDF:7.0/20

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 107.826+/-46.773 χ^2/NDF:6.4/19

Left: 118.785+/-34.783 χ^2/NDF: 13.5/40

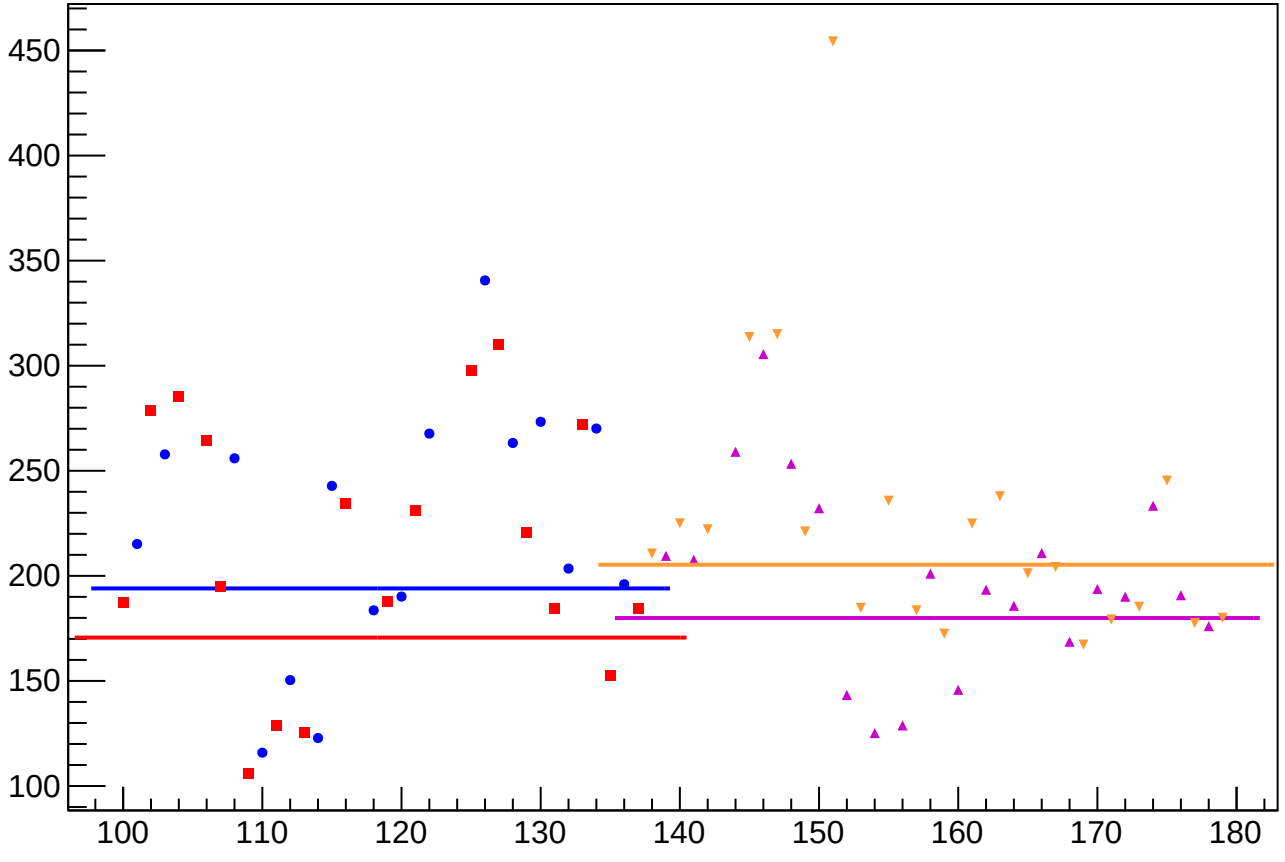
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 65.742+/-39.874 χ^2/NDF:24.9/35

Out: 34.782+/-41.413 χ^2/NDF:29.4/38

All: 50.848+/-28.724 χ^2/NDF: 54.5/74

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 205.303+/-0.037 χ^2/NDF:1316505.1/20

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 179.922+/-0.033 χ^2/NDF:1634122.8/19

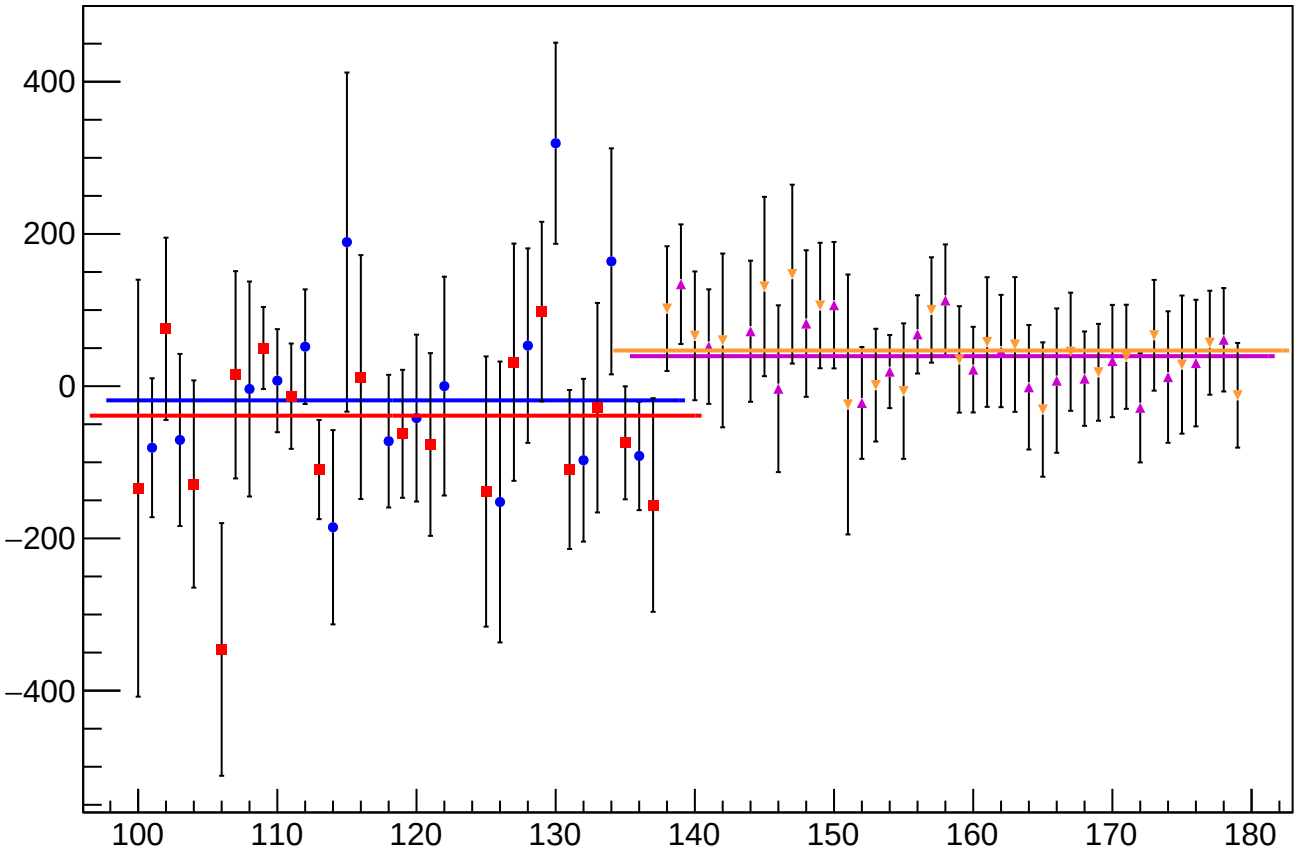
Left: 191.266+/-0.025 χ^2/NDF: 3213868.2/40

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 183.773+/-0.028 χ^2/NDF:2727336.5/35

Out: 192.596+/-0.029 χ^2/NDF:3235851.7/38

All: 188.018+/-0.020 χ^2/NDF: 6010294.9/74



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 46.851+/-17.762 χ^2/NDF:5.7/20

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 39.428+/-16.082 χ^2/NDF:6.6/19

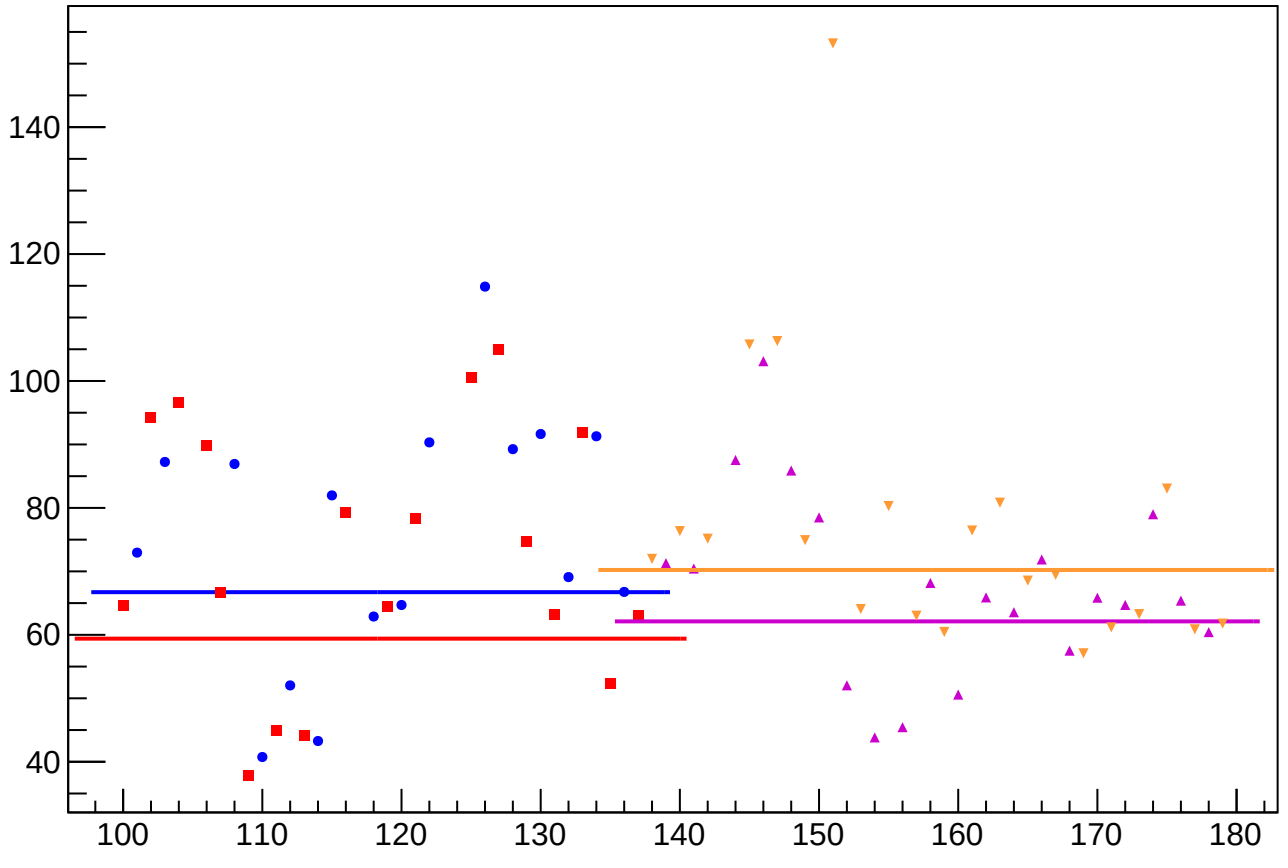
Left: 42.772+/-11.921 χ^2/NDF: 12.4/40

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 23.468+/-13.695 χ^2/NDF:25.4/35

Out: 15.996+/-14.203 χ^2/NDF:26.7/38

All: 19.868+/-9.858 χ^2/NDF: 52.2/74



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 70.221+/-0.013 χ^2/NDF:1250862.6/20

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.120+/-0.011 χ^2/NDF:1443704.1/19

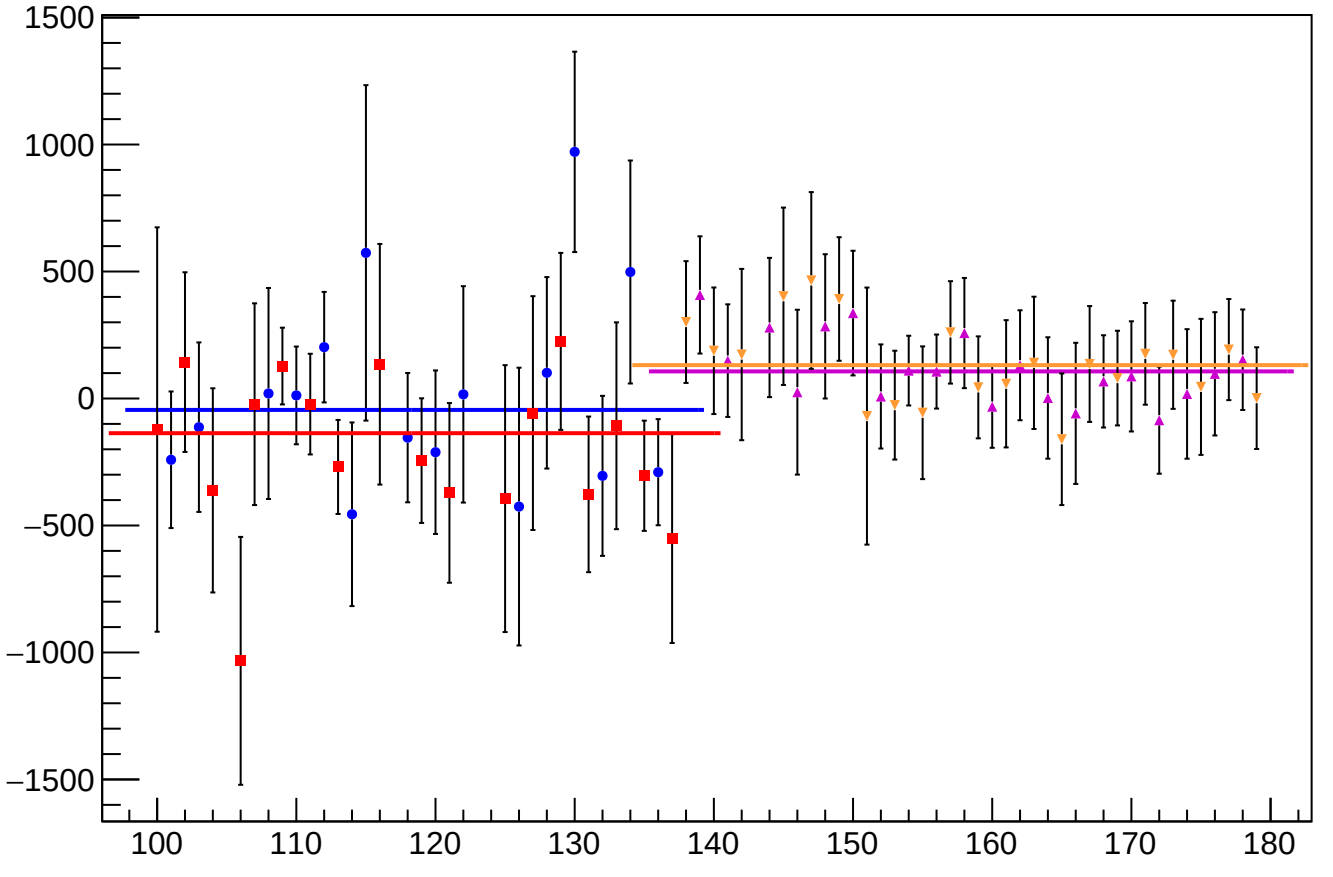
Left: 65.770+/-0.008 χ^2/NDF: 2923194.0/40

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.386+/-0.010 χ^2/NDF:2435797.7/35

Out: 66.319+/-0.010 χ^2/NDF:2963899.0/38

All: 64.799+/-0.007 χ^2/NDF: 5443919.9/74



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 131.376+/-51.982 χ^2/NDF:7.2/20

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 106.754+/-46.732 χ^2/NDF:6.5/19

Left: 117.759+/-34.753 χ^2/NDF: 13.8/40

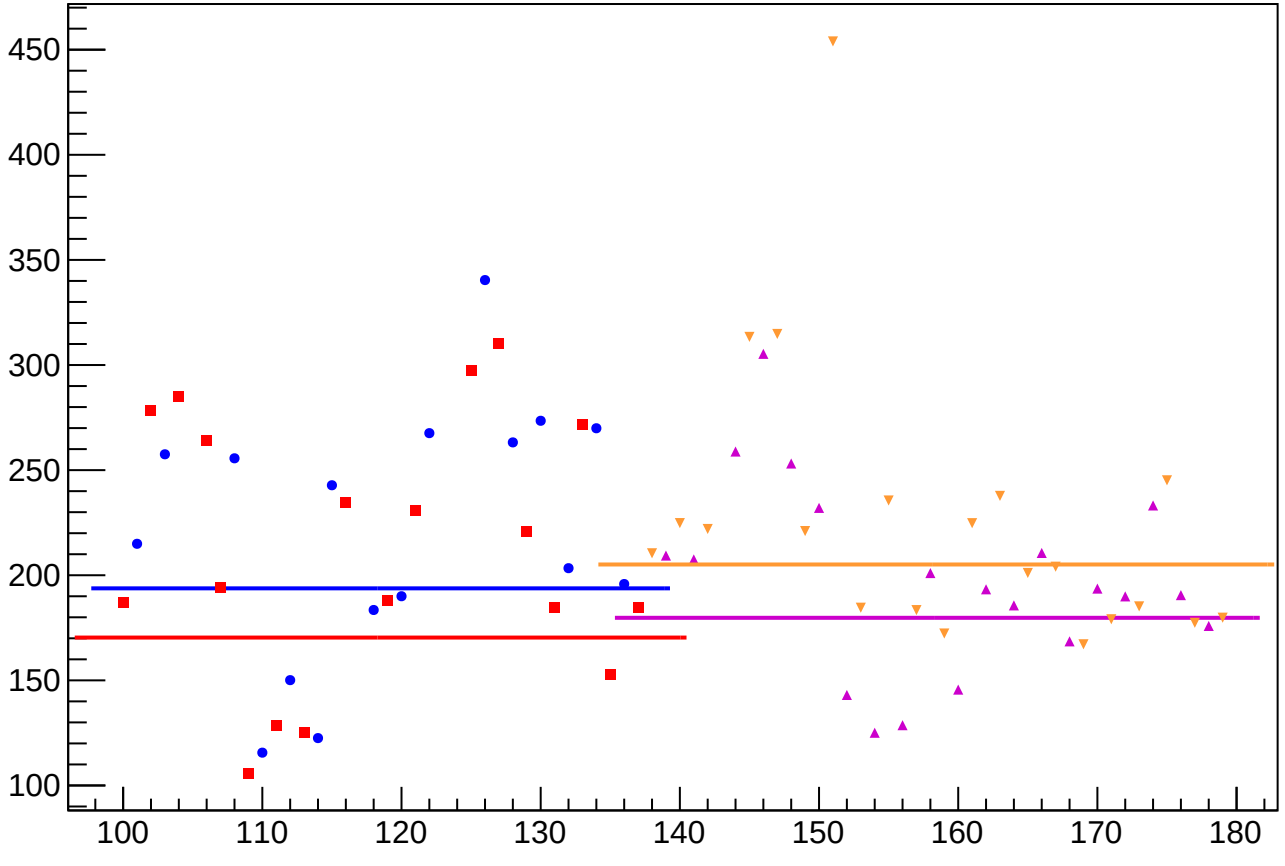
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 65.299+/-39.837 χ^2/NDF:24.9/35

Out: 33.134+/-41.370 χ^2/NDF:29.8/38

All: 49.824+/-28.695 χ^2/NDF: 55.0/74

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 205.119+/-0.037 χ^2/NDF:1317546.3/20

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

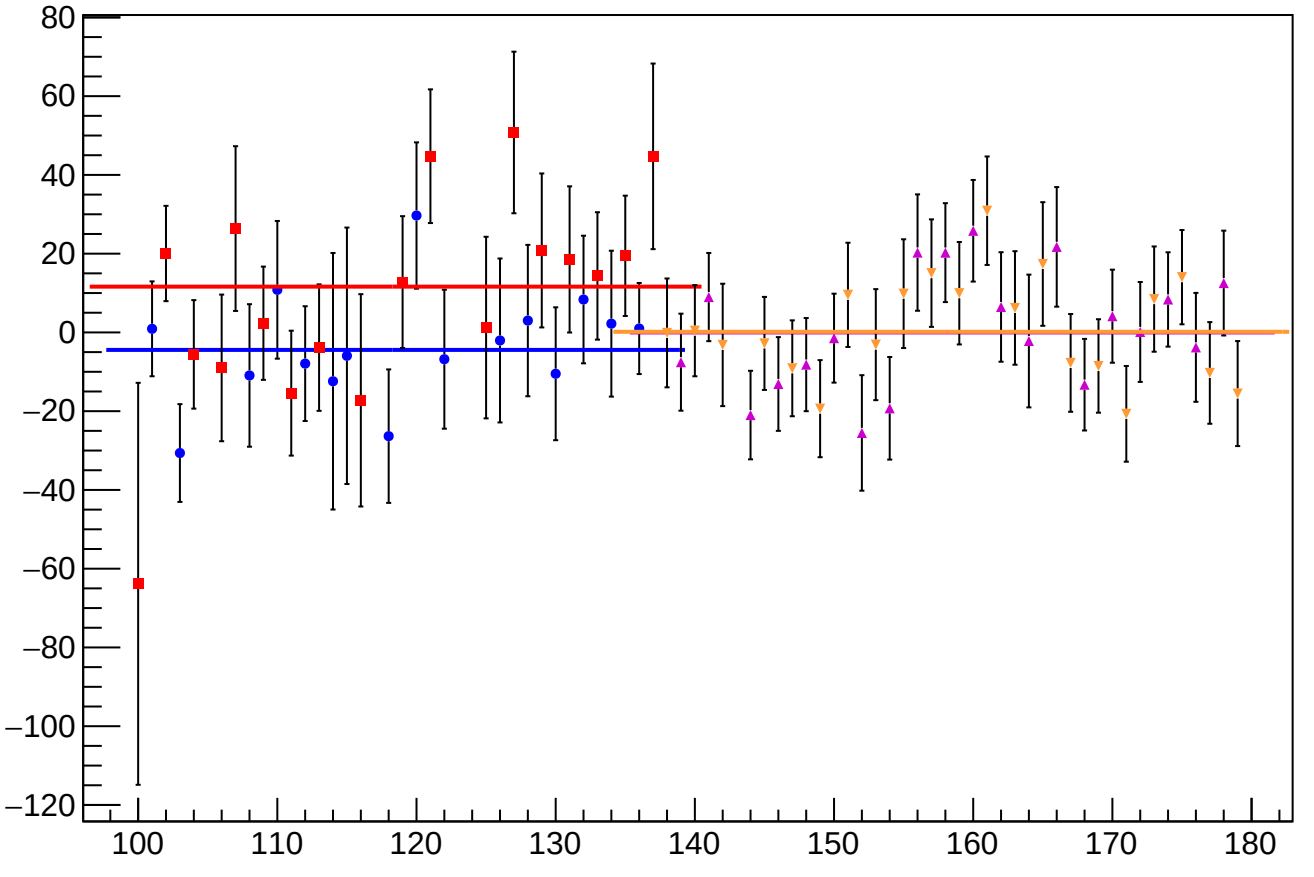
Left: 191.092+/-0.025 χ^2/NDF: 3217183.8/40

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.585+/-0.028 χ^2/NDF:2733549.9/35

Out: 192.374+/-0.029 χ^2/NDF:3244482.6/38

All: 187.814+/-0.020 χ^2/NDF: 6024870.0/74



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.159+/-2.848 χ^2/NDF:20.0/20

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.009+/-2.844 χ^2/NDF:25.1/19

Left: 0.075+/-2.012 χ^2/NDF: 45.1/40

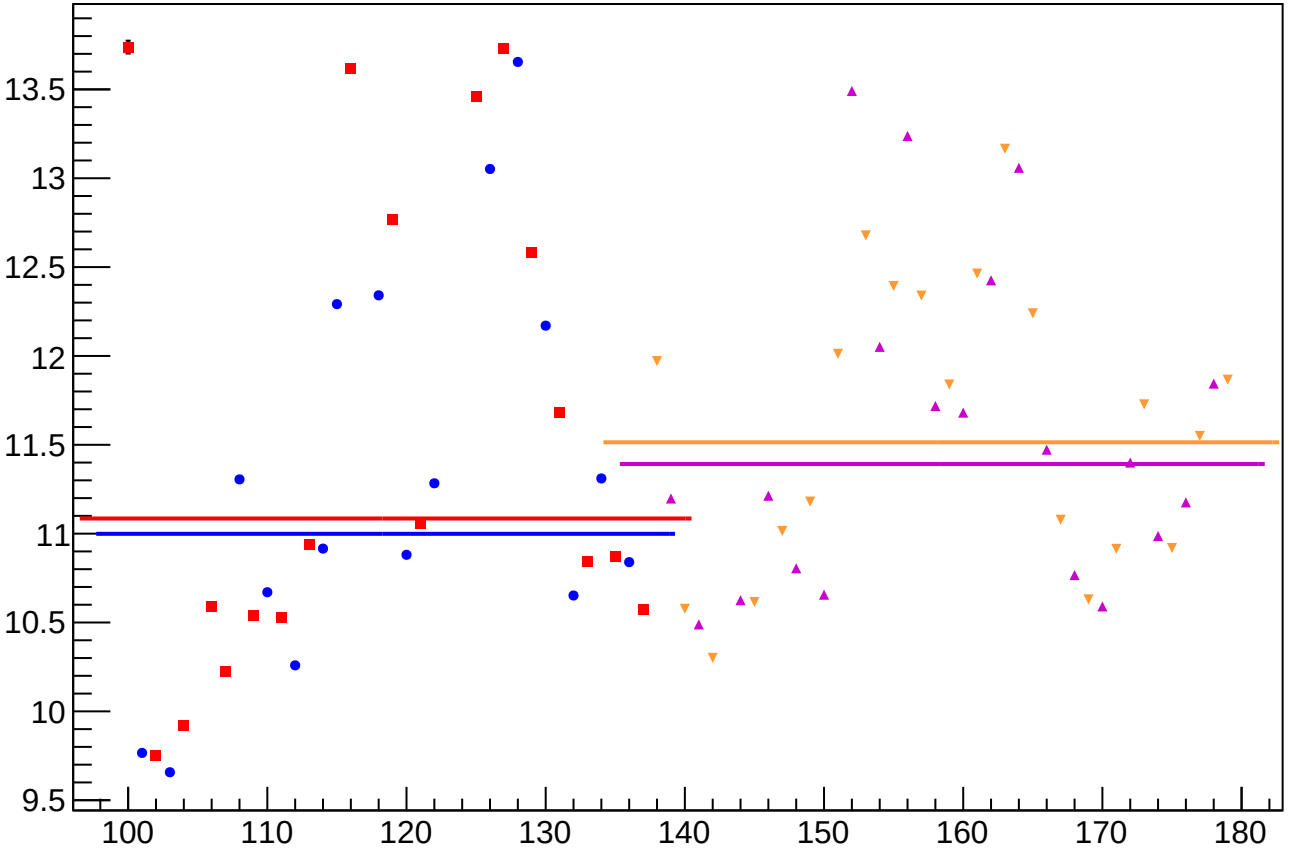
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.434+/-2.343 χ^2/NDF:37.8/35

Out: 3.847+/-2.346 χ^2/NDF:46.9/38

All: 1.203+/-1.658 χ^2/NDF: 87.2/74

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.514+/-0.002 χ^2/NDF:142340.8/20

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

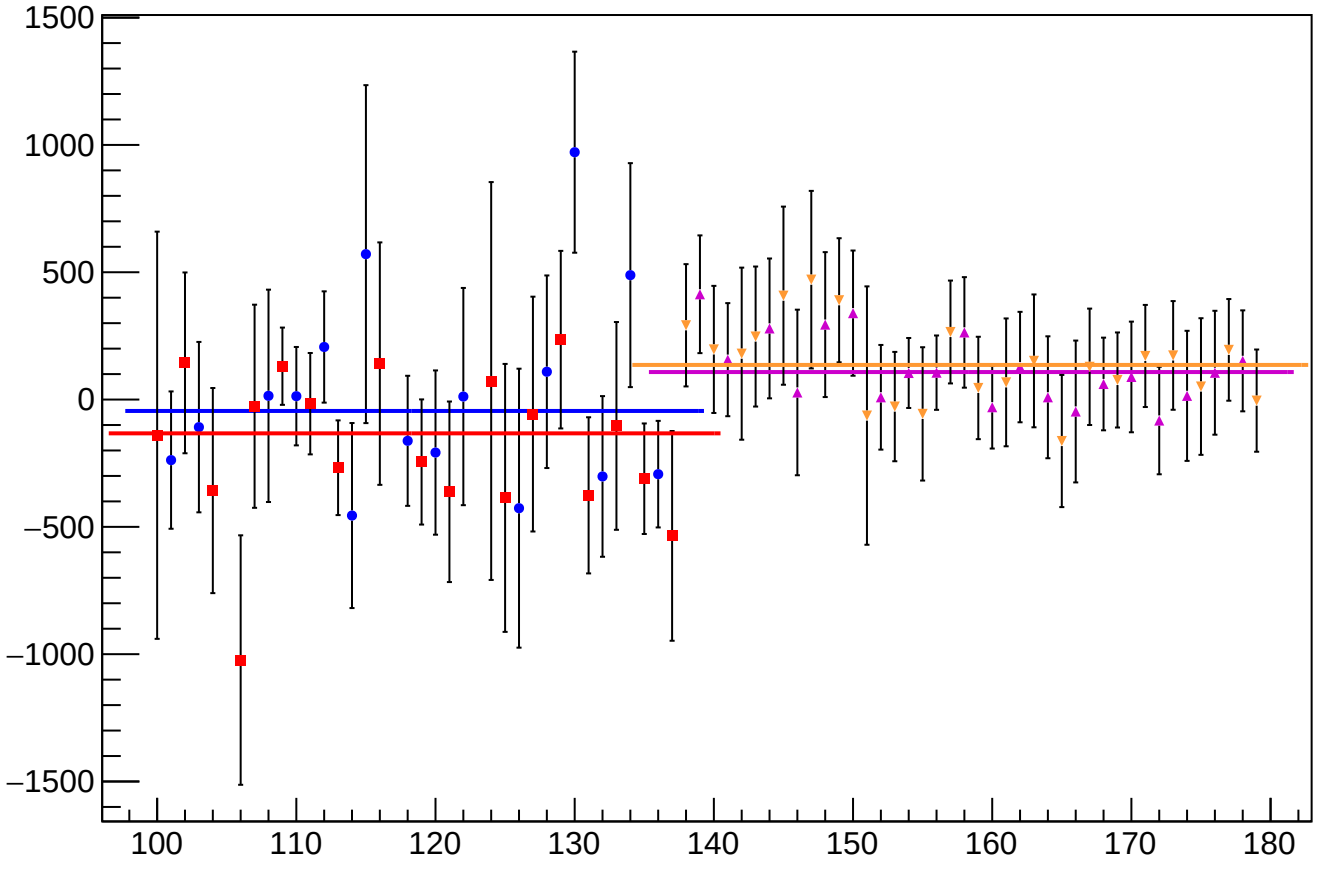
Left: 11.453+/-0.001 χ^2/NDF: 311217.5/40

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.266+/-0.002 χ^2/NDF:315469.1/35

Out: 11.376+/-0.002 χ^2/NDF:319125.6/38

All: 11.321+/-0.001 χ^2/NDF: 636821.4/74



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 135.971+/-51.172 χ^2/NDF:7.4/21

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 108.004+/-46.810 χ^2/NDF:6.6/19

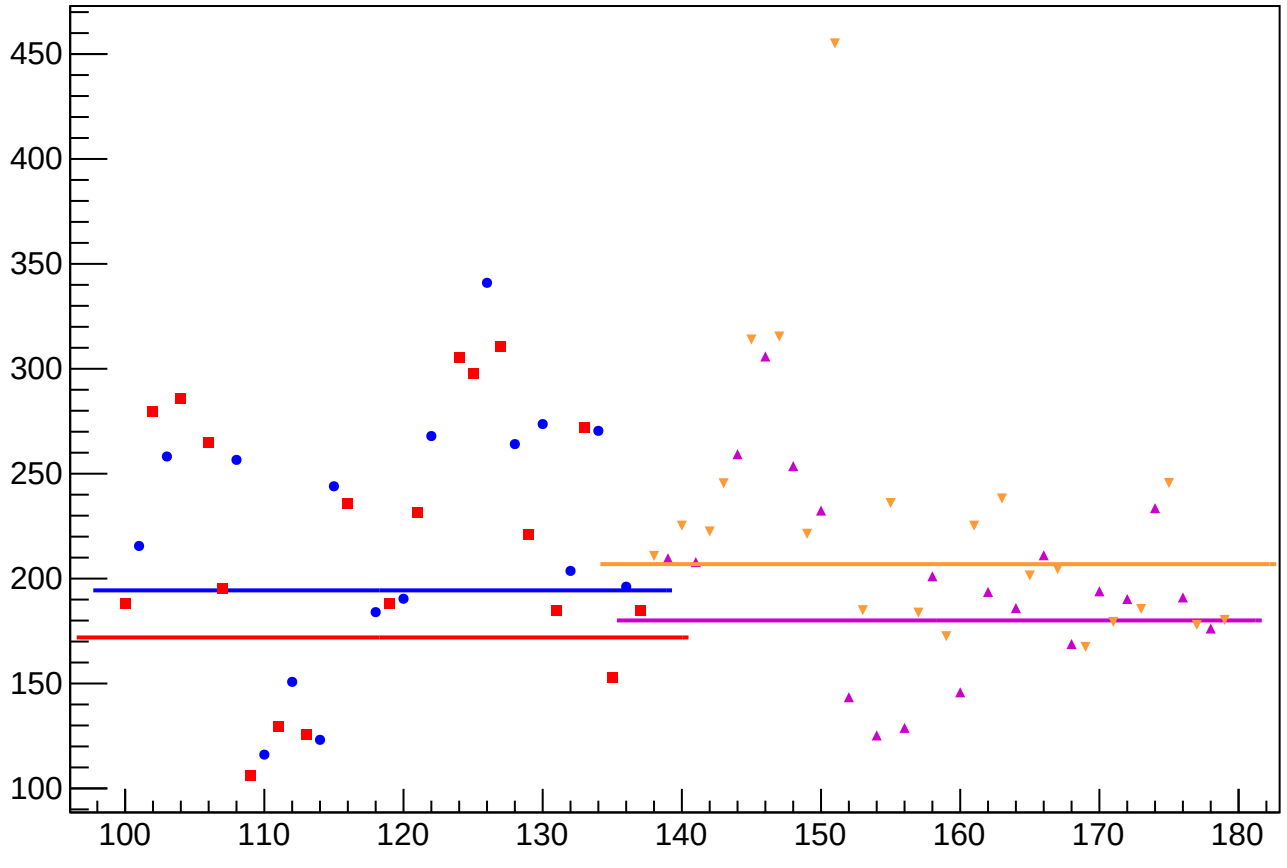
Left: 120.745+/-34.539 χ^2/NDF: 14.2/41

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 66.318+/-39.917 χ^2/NDF:24.9/35

Out: 39.312+/-40.946 χ^2/NDF:30.2/40

All: 53.158+/-28.583 χ^2/NDF: 55.3/76



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 206.893+/-0.036 χ^2/NDF:1358158.4/21

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.055+/-0.033 χ^2/NDF:1636835.8/19

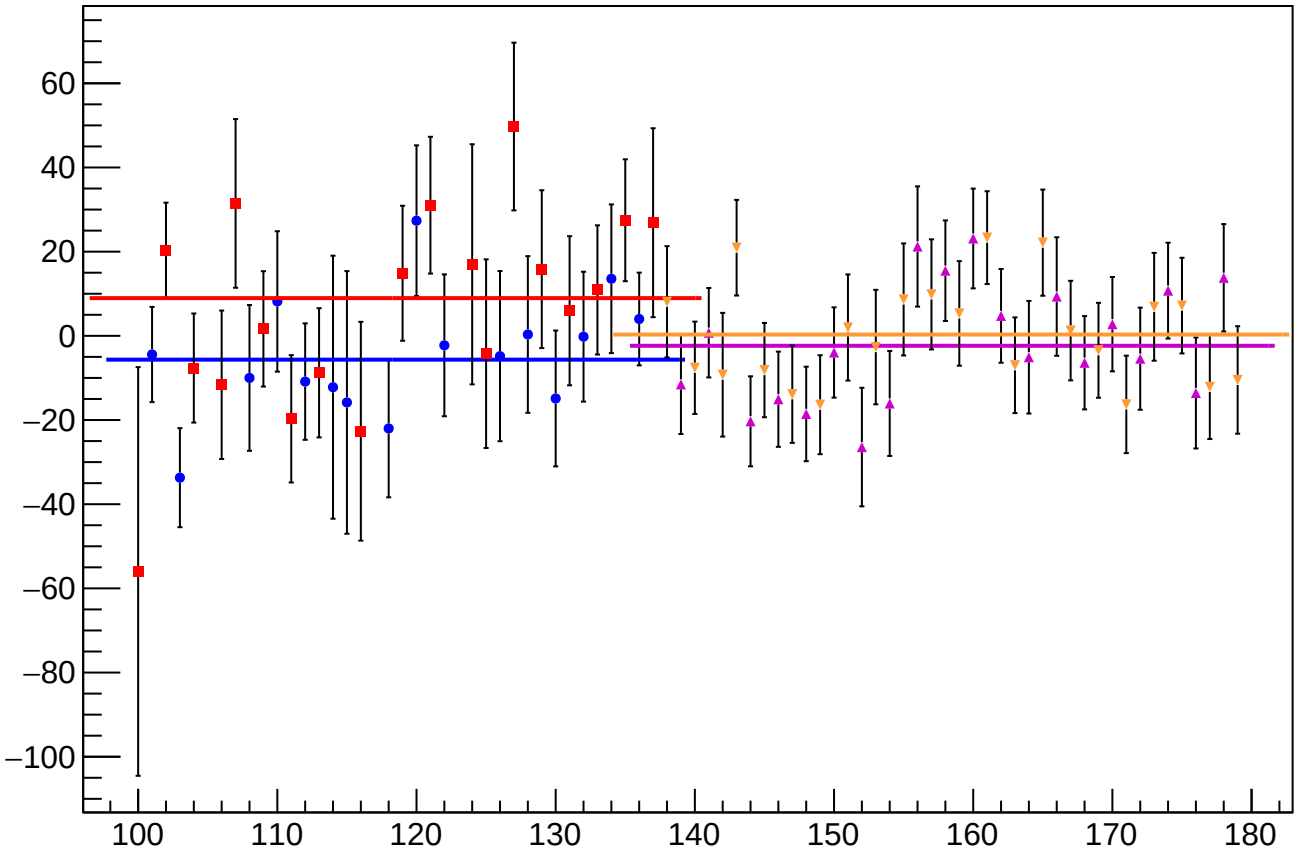
Left: 192.282+/-0.024 χ^2/NDF: 3294507.6/41

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 183.965+/-0.028 χ^2/NDF:2729994.2/35

Out: 194.323+/-0.029 χ^2/NDF:3345007.4/40

All: 189.012+/-0.020 χ^2/NDF: 6140625.2/76



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.310+/-2.582 χ^2/NDF:22.1/21

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.363+/-2.664 χ^2/NDF:25.8/19

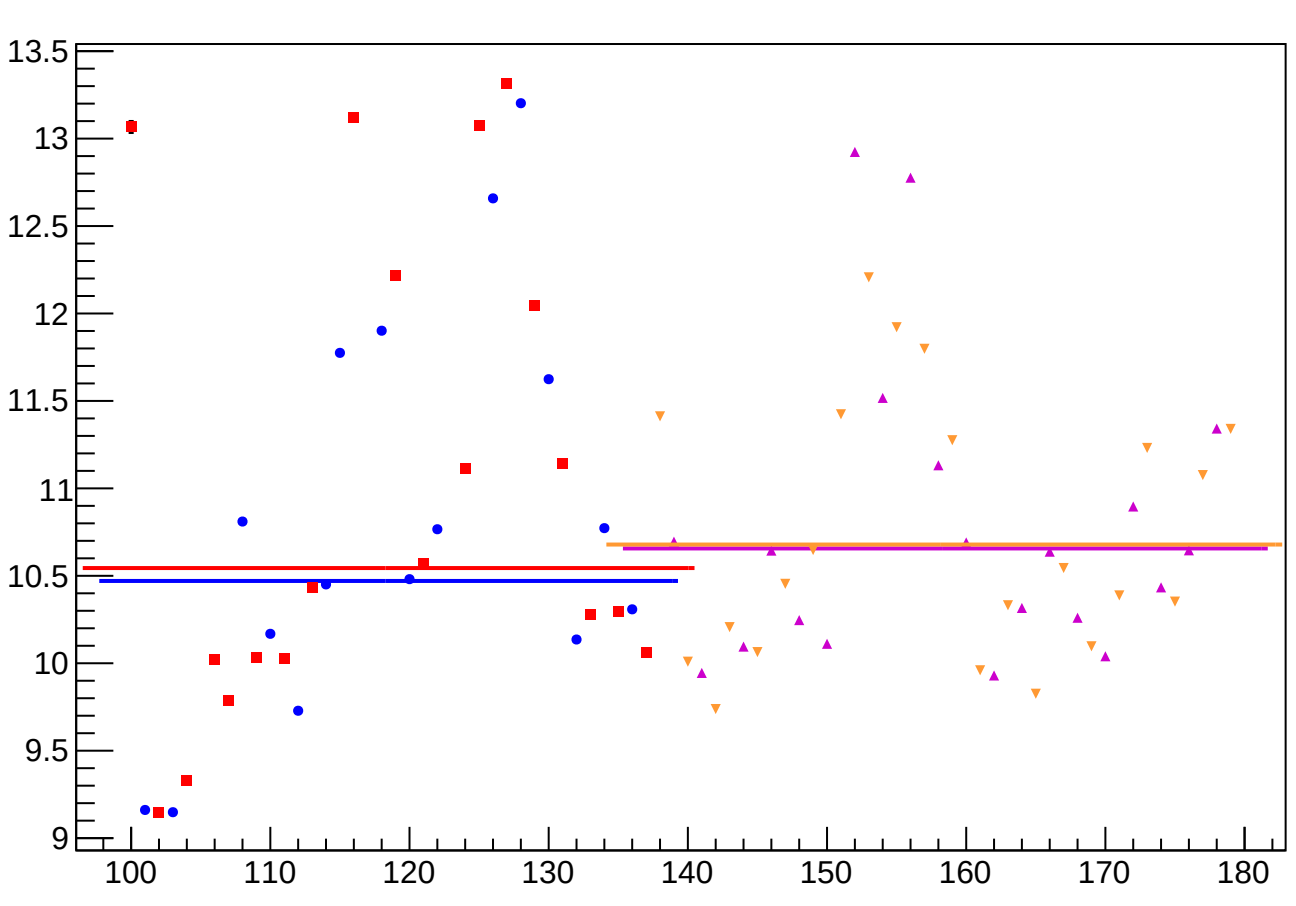
Left: -0.985+/-1.854 χ^2/NDF: 48.4/41

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.396+/-2.207 χ^2/NDF:39.9/35

Out: 2.946+/-2.153 χ^2/NDF:48.3/40

All: -0.148+/-1.541 χ^2/NDF: 92.5/76



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.679+/-0.002 χ^2/NDF:140127.7/21

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.656+/-0.002 χ^2/NDF:156706.1/19

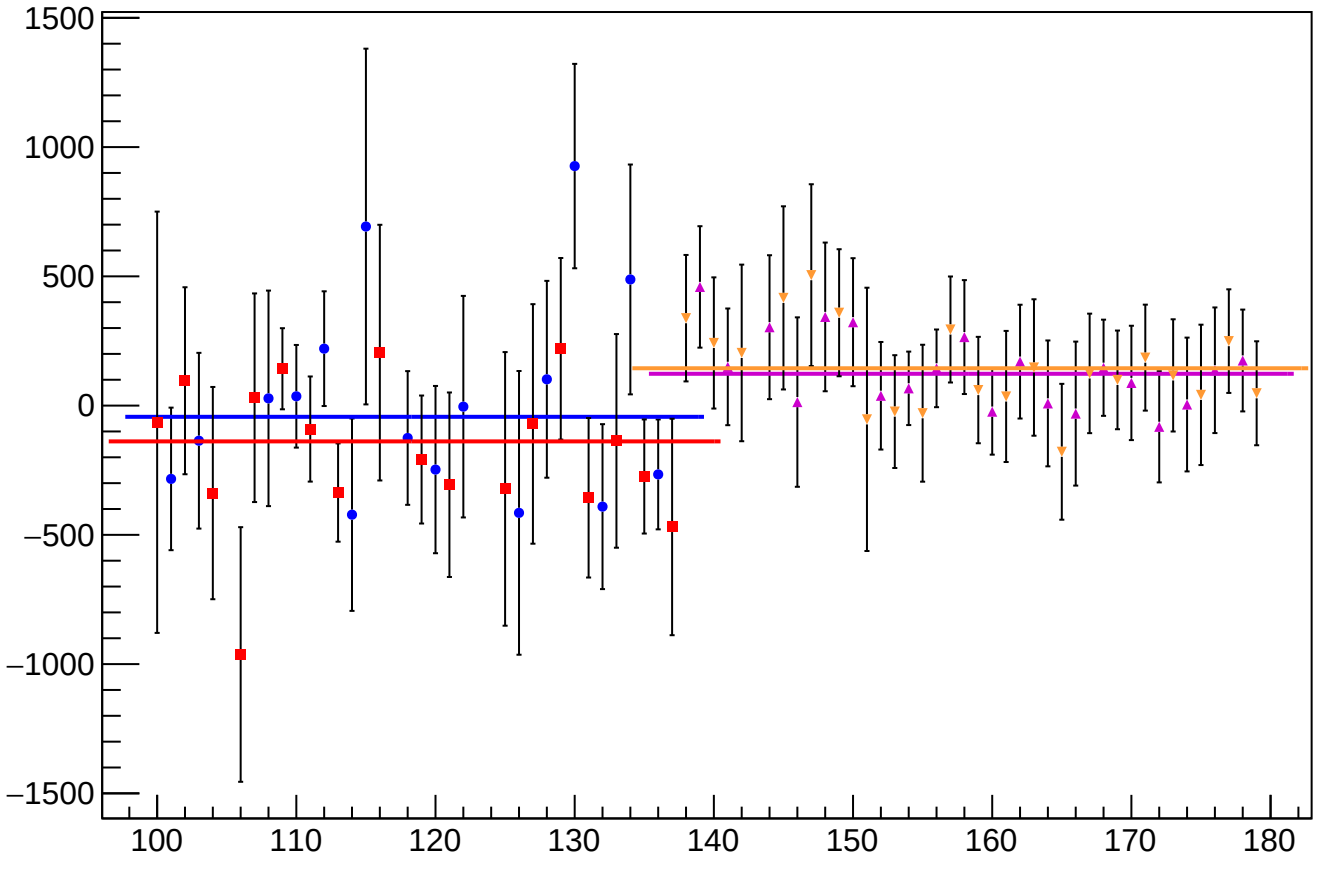
Left: 10.668+/-0.001 χ^2/NDF: 296906.5/41

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.598+/-0.002 χ^2/NDF:317126.6/35

Out: 10.638+/-0.002 χ^2/NDF:328560.0/40

All: 10.618+/-0.001 χ^2/NDF: 646018.6/76



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 144.449+/-52.798 χ^2/NDF:7.6/20

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 123.077+/-47.618 χ^2/NDF:7.2/19

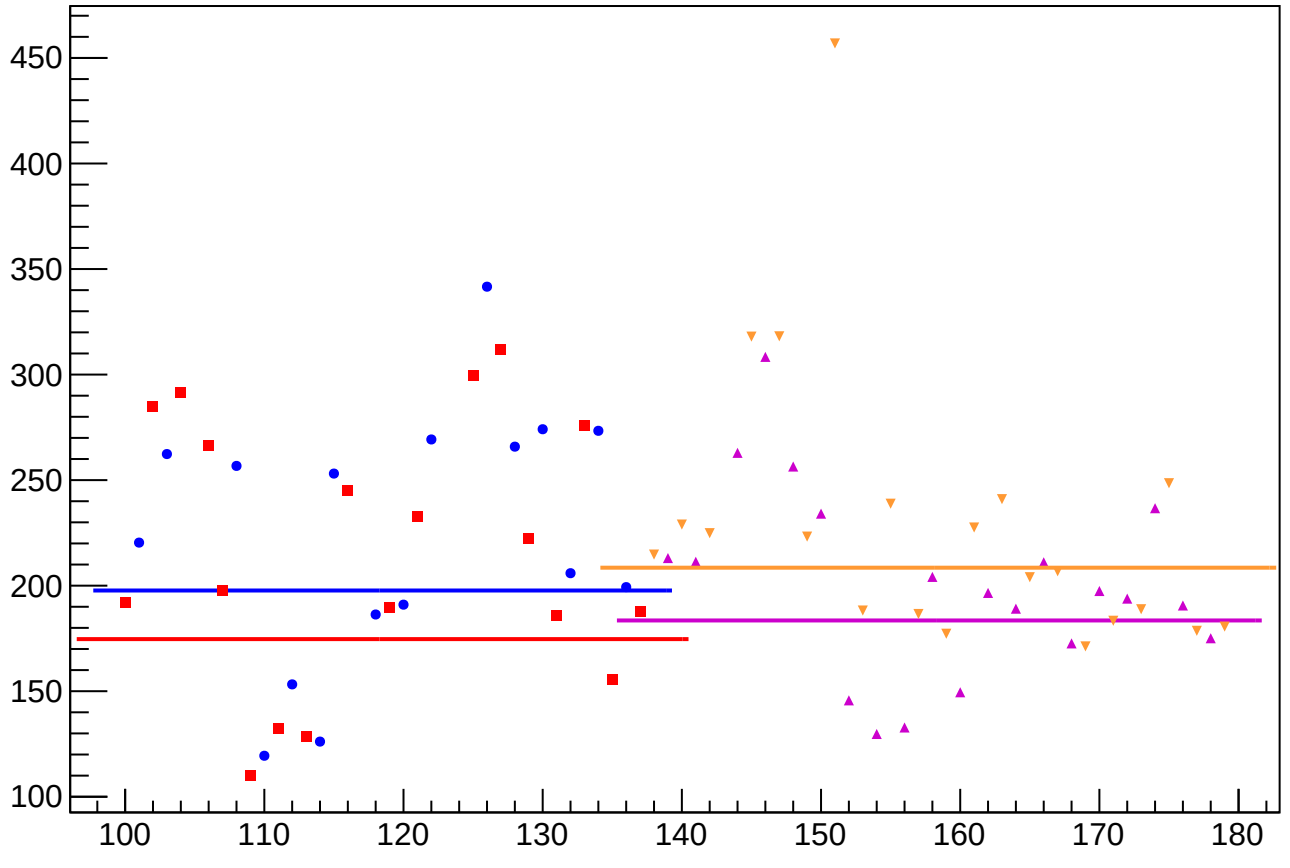
Left: 132.663+/-35.361 χ^2/NDF: 14.8/40

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 77.528+/-40.584 χ^2/NDF:26.0/35

Out: 41.552+/-42.116 χ^2/NDF:29.5/38

All: 60.206+/-29.224 χ^2/NDF: 55.8/74



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 208.515+/-0.037 χ^2/NDF:1291282.9/20

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

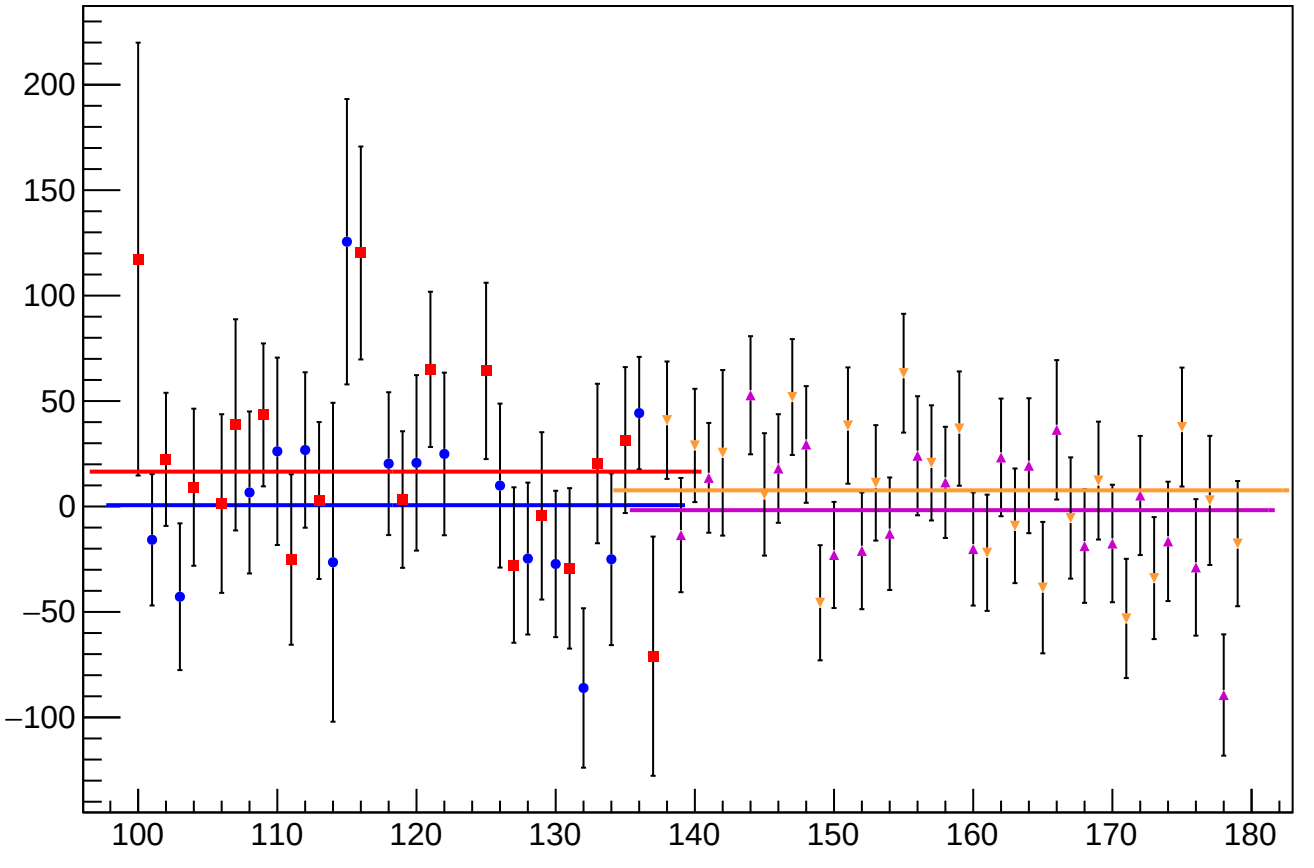
Left: 194.729+/-0.025 χ^2/NDF: 3084064.5/40

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.399+/-0.029 χ^2/NDF:2594452.9/35

Out: 196.208+/-0.030 χ^2/NDF:3124792.7/38

All: 191.641+/-0.021 χ^2/NDF: 5764618.4/74



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.670+/-6.216 χ^2/NDF:27.7/20

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: -1.747+/-6.224 χ^2/NDF:22.7/19

Left: 2.967+/-4.398 χ^2/NDF: 51.6/40

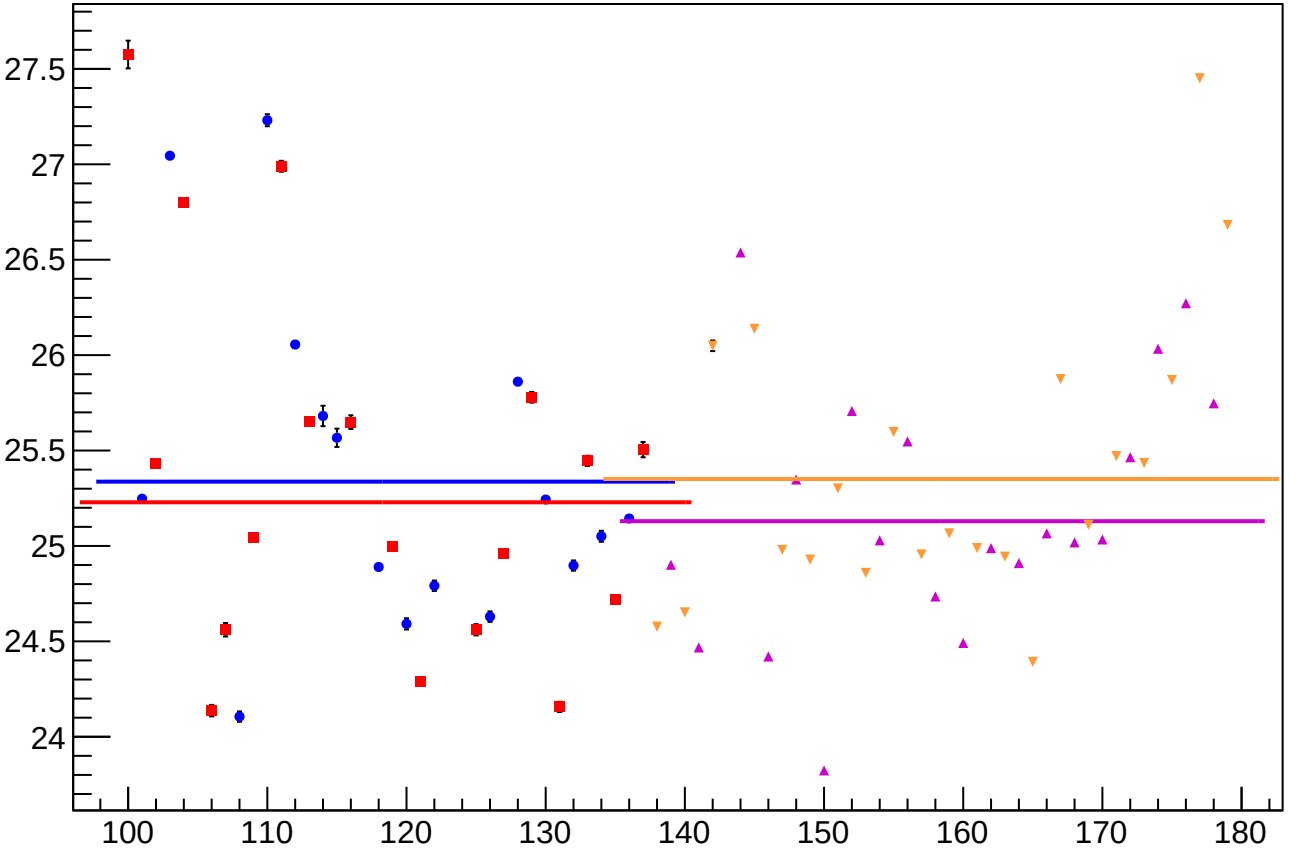
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: -1.028+/-5.193 χ^2/NDF:39.5/35

Out: 10.404+/-5.169 χ^2/NDF:44.7/38

All: 4.715+/-3.664 χ^2/NDF: 86.7/74

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.351+/-0.004 χ^2/NDF:24950.4/20

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.130+/-0.004 χ^2/NDF:22381.3/19

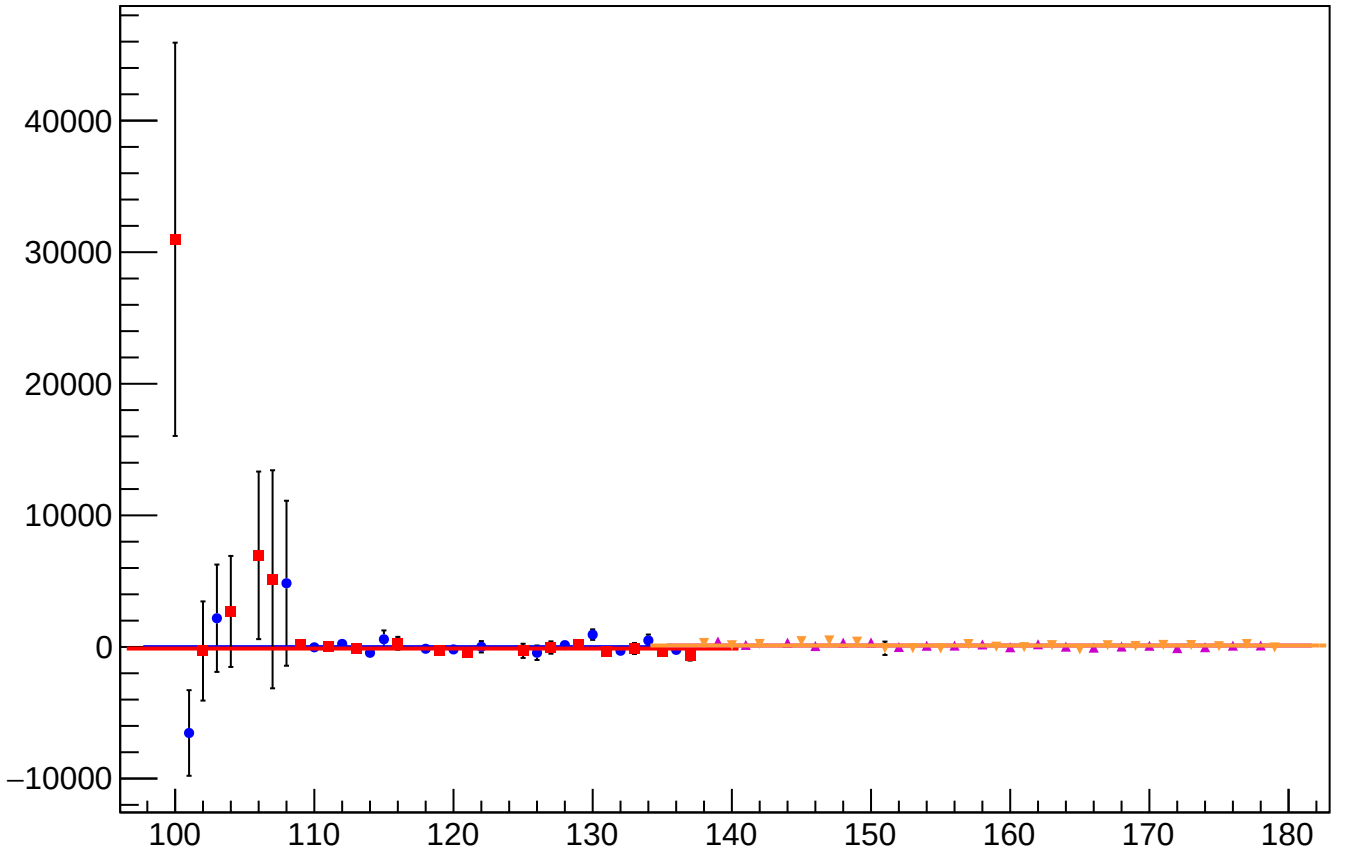
Left: 25.240+/-0.003 χ^2/NDF: 48594.9/40

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.193+/-0.004 χ^2/NDF:37370.0/35

Out: 25.313+/-0.004 χ^2/NDF:40364.4/38

All: 25.253+/-0.003 χ^2/NDF: 78274.9/74



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 111.037+/-52.623 χ^2/NDF:8.8/20

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 108.033+/-48.170 χ^2/NDF:6.7/19

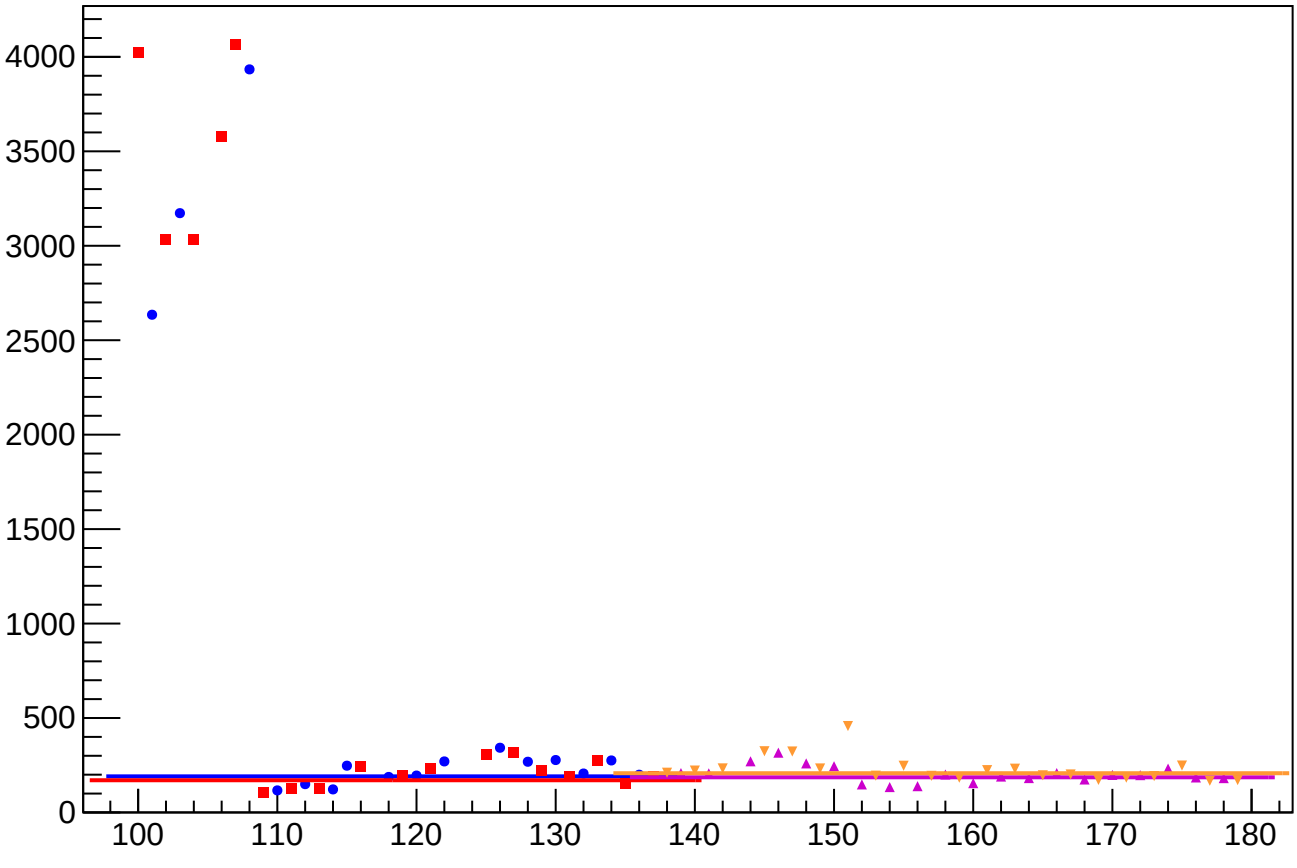
Left: 109.403+/-35.531 χ^2/NDF: 15.6/40

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 78.285+/-41.842 χ^2/NDF:26.6/35

Out: 39.089+/-43.667 χ^2/NDF:29.2/38

All: 59.523+/-30.211 χ^2/NDF: 56.3/74



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 207.680+/-0.037 χ^2/NDF:1360011.3/20

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 186.125+/-0.034 χ^2/NDF:1405794.8/19

Left: 195.952+/-0.025 χ^2/NDF: 2948383.3/40

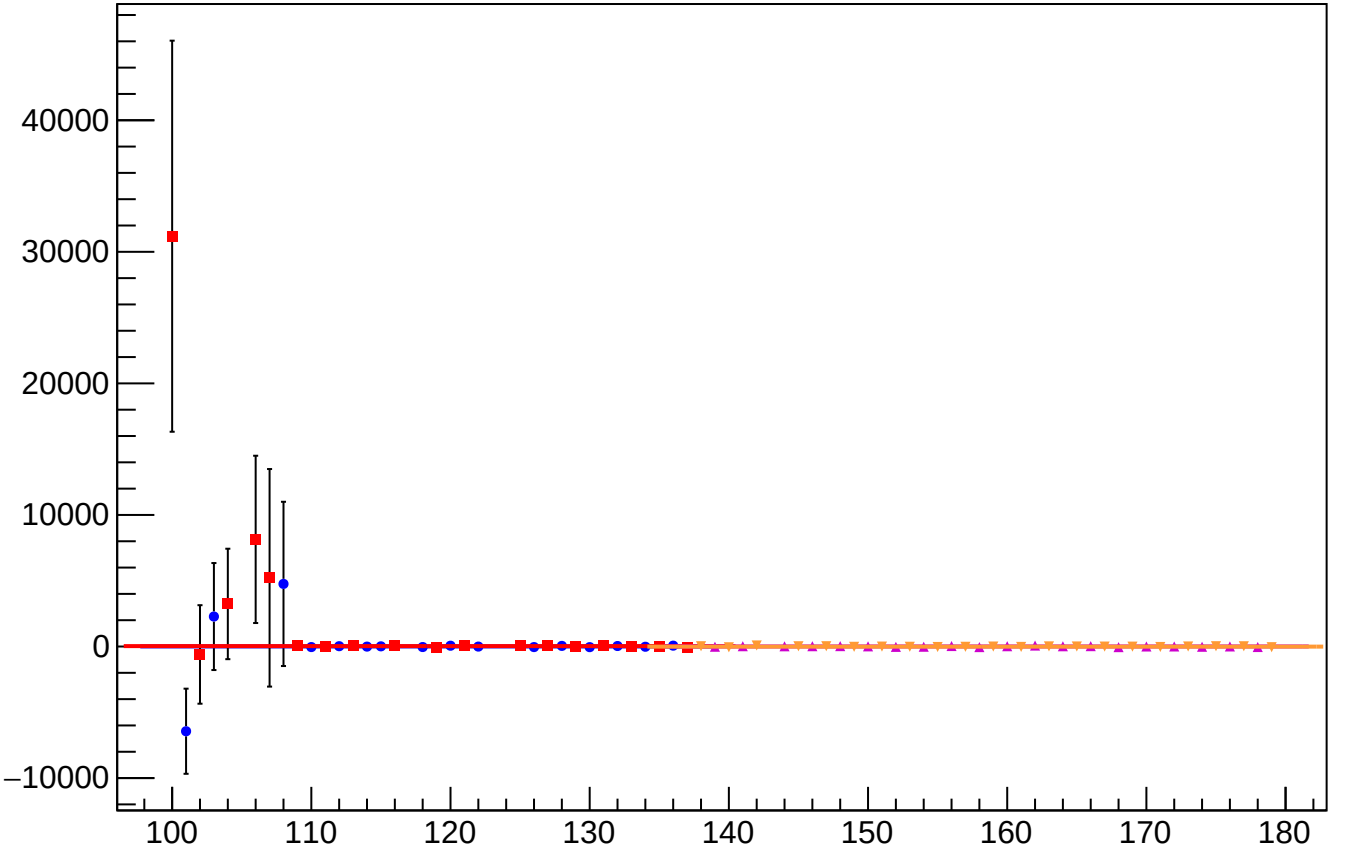
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.339+/-0.030 χ^2/NDF:5244920.1/35

Out: 196.099+/-0.031 χ^2/NDF:5925867.6/38

All: 191.532+/-0.021 χ^2/NDF: 11212750.4/74

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.169+/-7.036 χ^2/NDF:15.3/20

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 4.735+/-7.148 χ^2/NDF:18.3/19

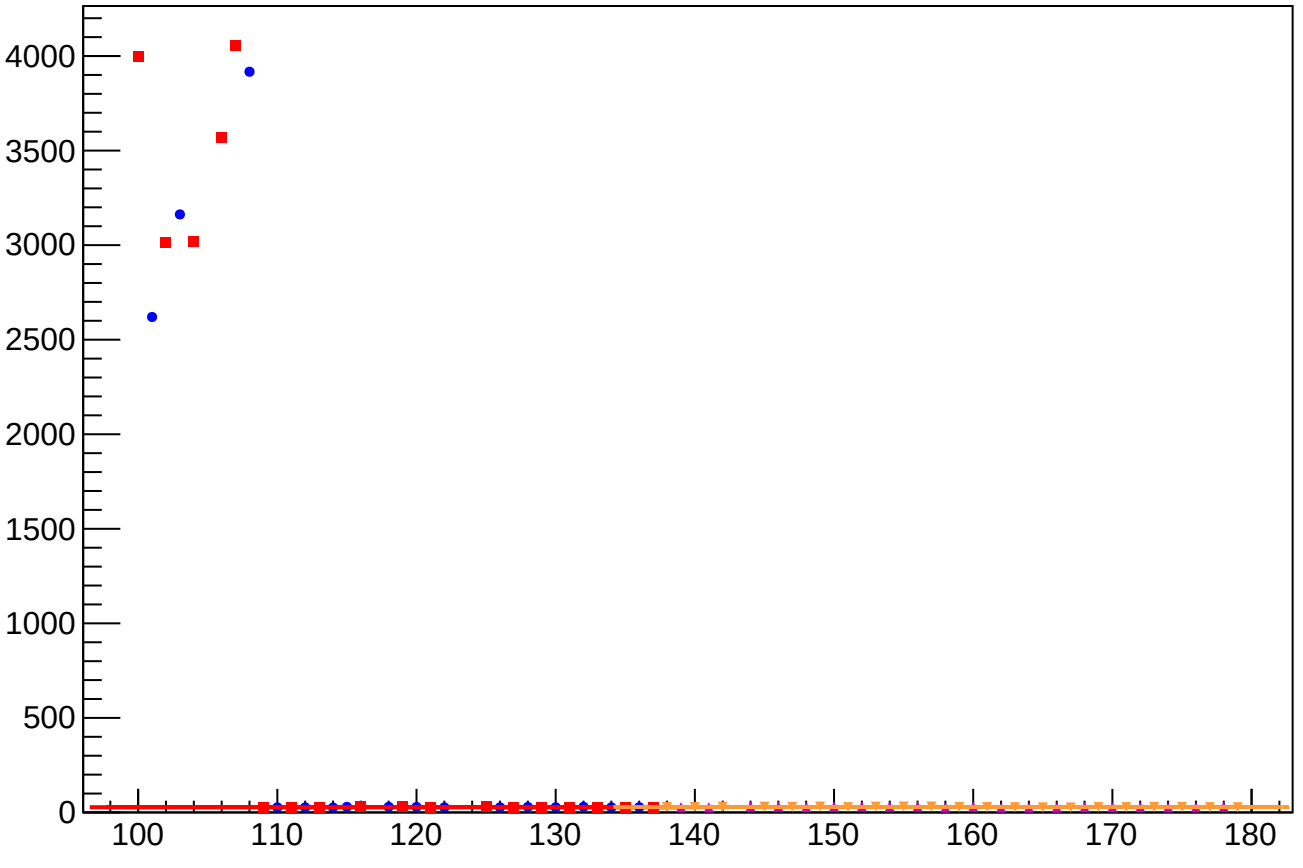
Left: -1.819+/-5.014 χ^2/NDF: 35.3/40

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 5.208+/-6.109 χ^2/NDF:36.6/35

Out: 1.682+/-6.080 χ^2/NDF:42.9/38

All: 3.437+/-4.310 χ^2/NDF: 79.8/74



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.653+/-0.005 χ^2/NDF:78297.6/20

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

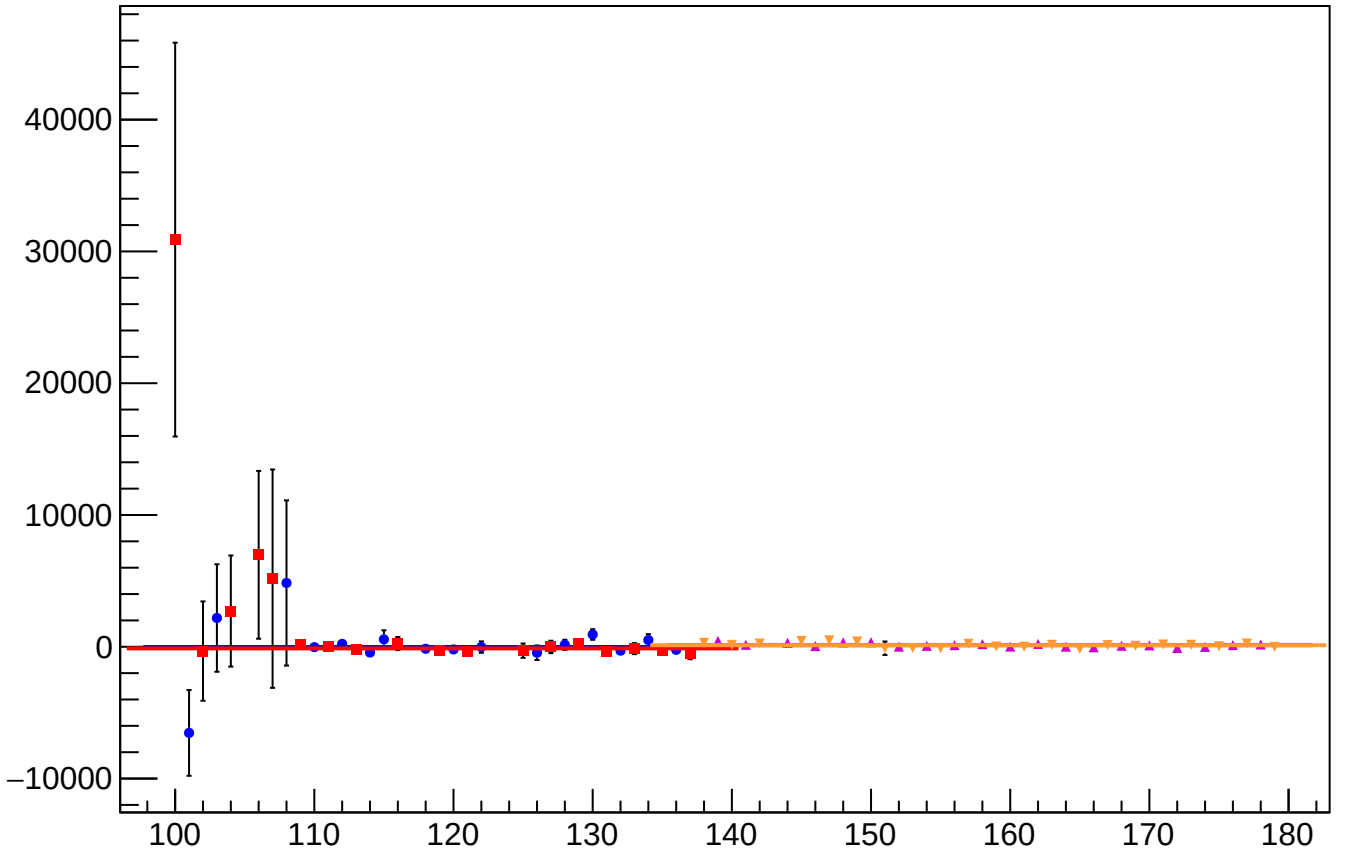
Left: 28.719+/-0.004 χ^2/NDF: 202327.8/40

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.528+/-0.004 χ^2/NDF:3399344.7/35

Out: 28.431+/-0.004 χ^2/NDF:3644516.7/38

All: 28.479+/-0.003 χ^2/NDF: 7044113.1/74



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 118.515+/-53.059 χ^2/NDF:8.5/20

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 120.701+/-48.611 χ^2/NDF:6.6/19

Left: 119.704+/-35.843 χ^2/NDF: 15.2/40

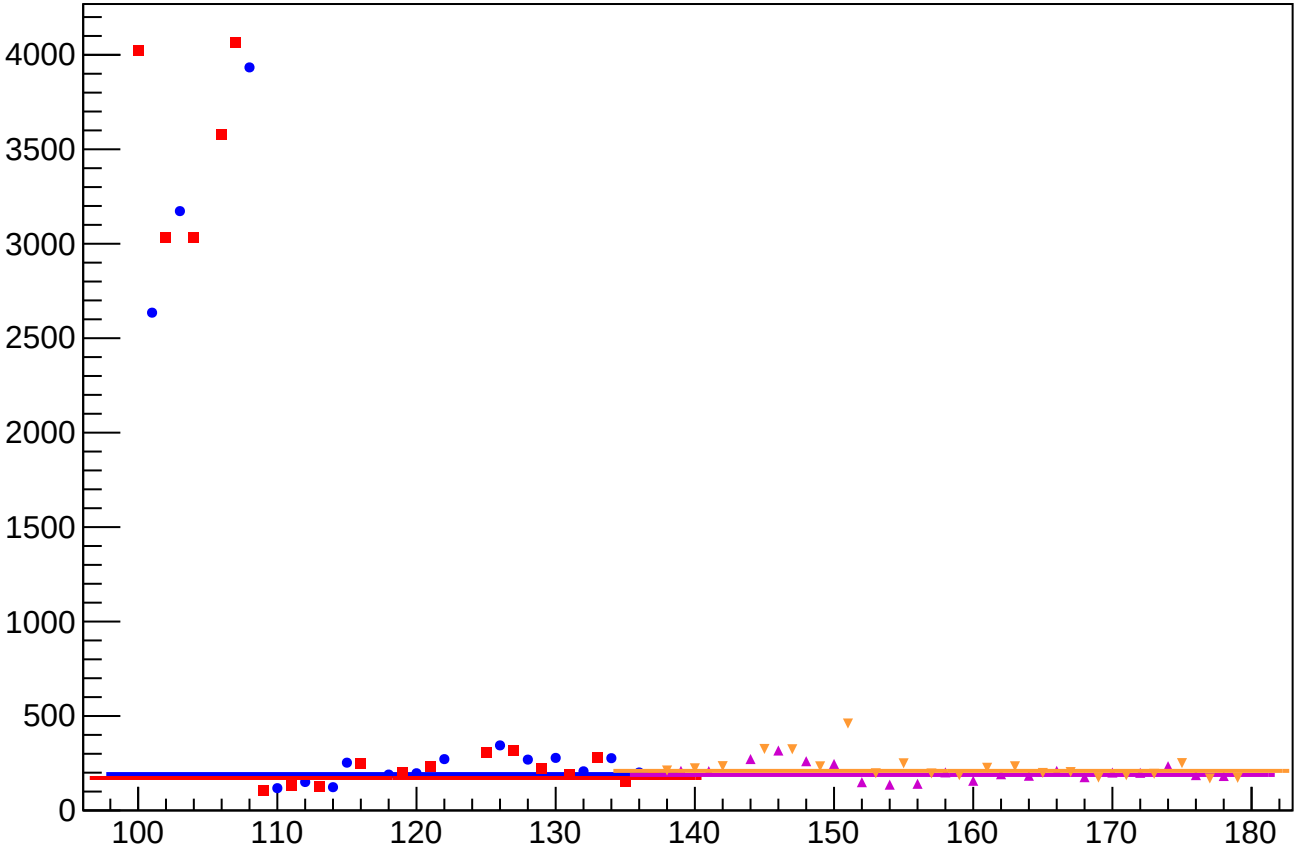
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 86.180+/-42.206 χ^2/NDF:26.9/35

Out: 43.686+/-44.019 χ^2/NDF:28.2/38

All: 65.827+/-30.465 χ^2/NDF: 55.5/74

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 209.484+/-0.038 χ^2/NDF:1342830.2/20

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 187.973+/-0.034 χ^2/NDF:1365707.7/19

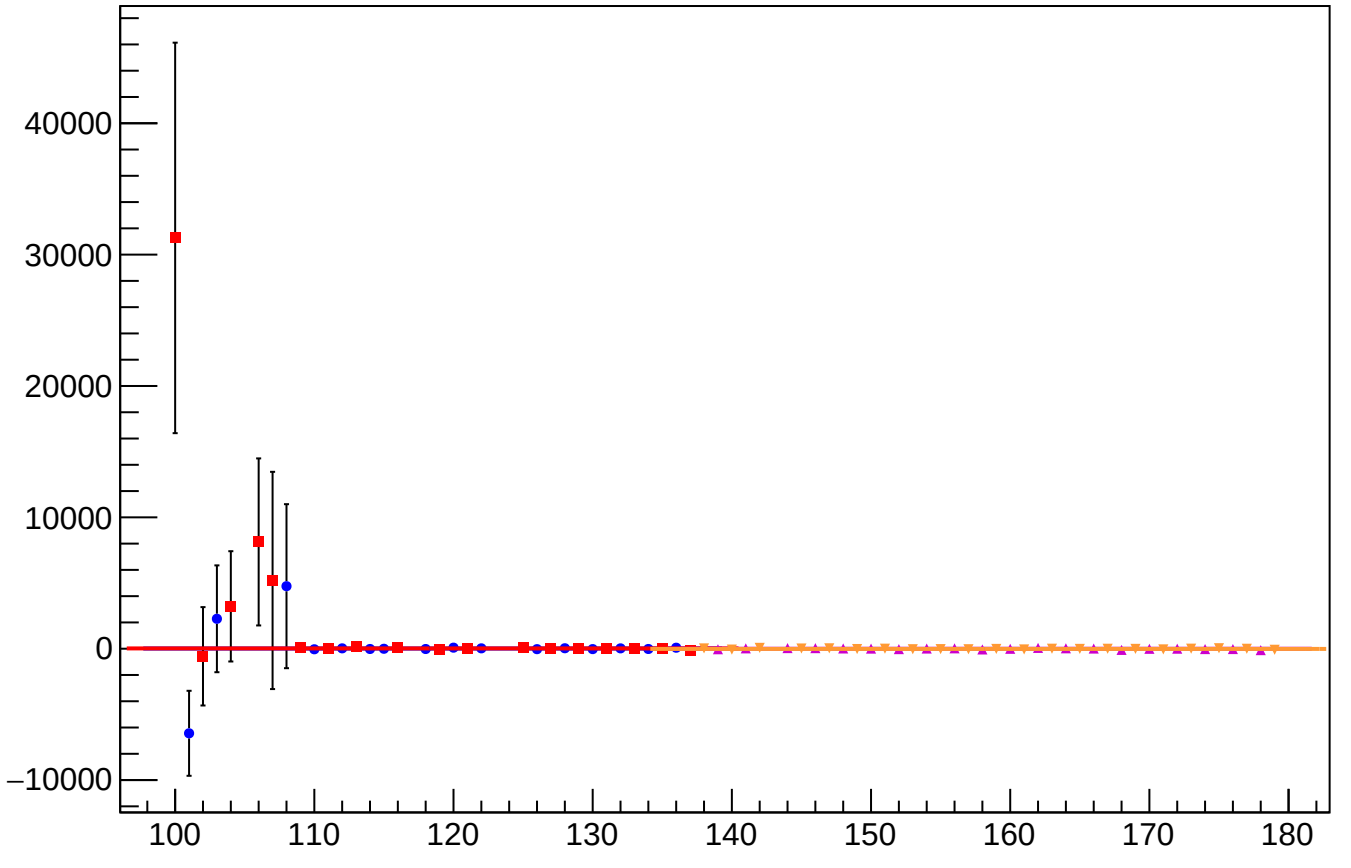
Left: 197.790+/-0.025 χ^2/NDF: 2887248.7/40

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.103+/-0.030 χ^2/NDF:5192880.0/35

Out: 197.768+/-0.031 χ^2/NDF:5903459.1/38

All: 193.253+/-0.022 χ^2/NDF: 11136723.5/74



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.924+/-7.657 χ^2/NDF:18.8/20

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: -4.689+/-7.777 χ^2/NDF:32.0/19

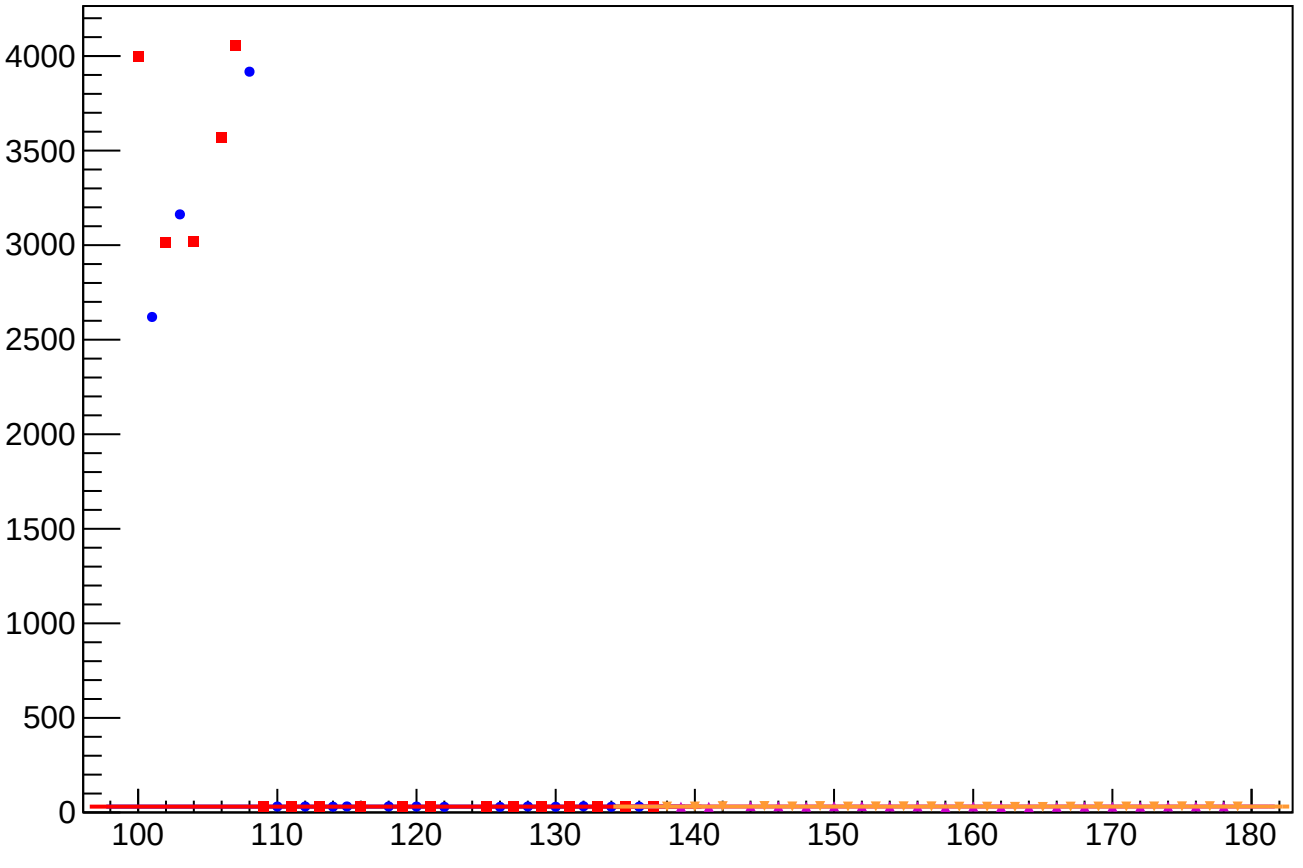
Left: -10.394+/-5.456 χ^2/NDF: 51.8/40

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 0.127+/-6.683 χ^2/NDF:48.9/35

Out: -6.594+/-6.646 χ^2/NDF:53.1/38

All: -3.252+/-4.712 χ^2/NDF: 102.5/74



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.205+/-0.005 χ^2/NDF:46926.4/20

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.346+/-0.005 χ^2/NDF:83916.4/19

Left: 31.274+/-0.004 χ^2/NDF: 131175.8/40

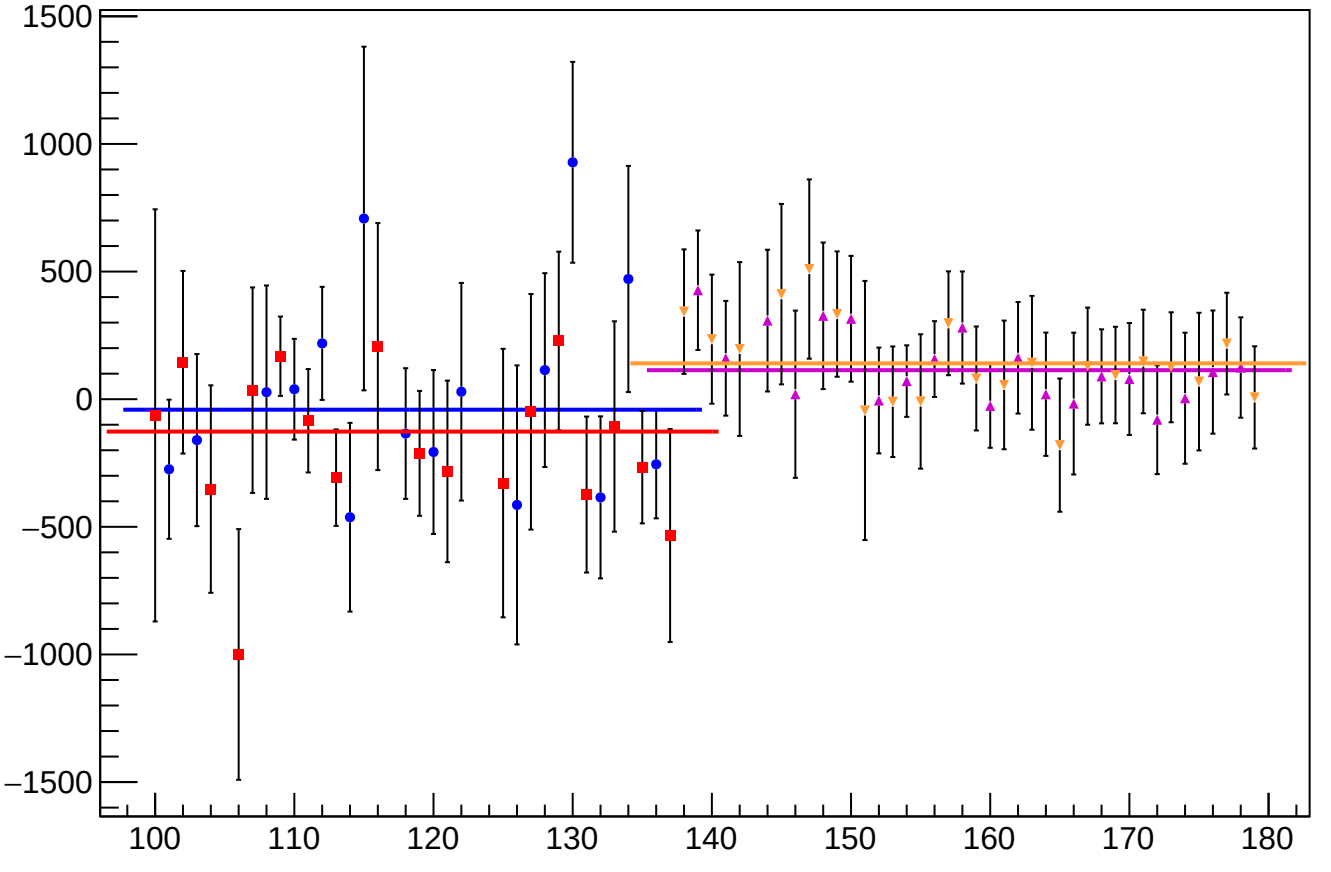
Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.237+/-0.005 χ^2/NDF:3338032.2/35

Out: 31.106+/-0.005 χ^2/NDF:3584238.3/38

All: 31.171+/-0.003 χ^2/NDF: 6922653.7/74

asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 140.488+/-52.465 χ^2/NDF:7.1/20

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 113.669+/-47.258 χ^2/NDF:6.9/19

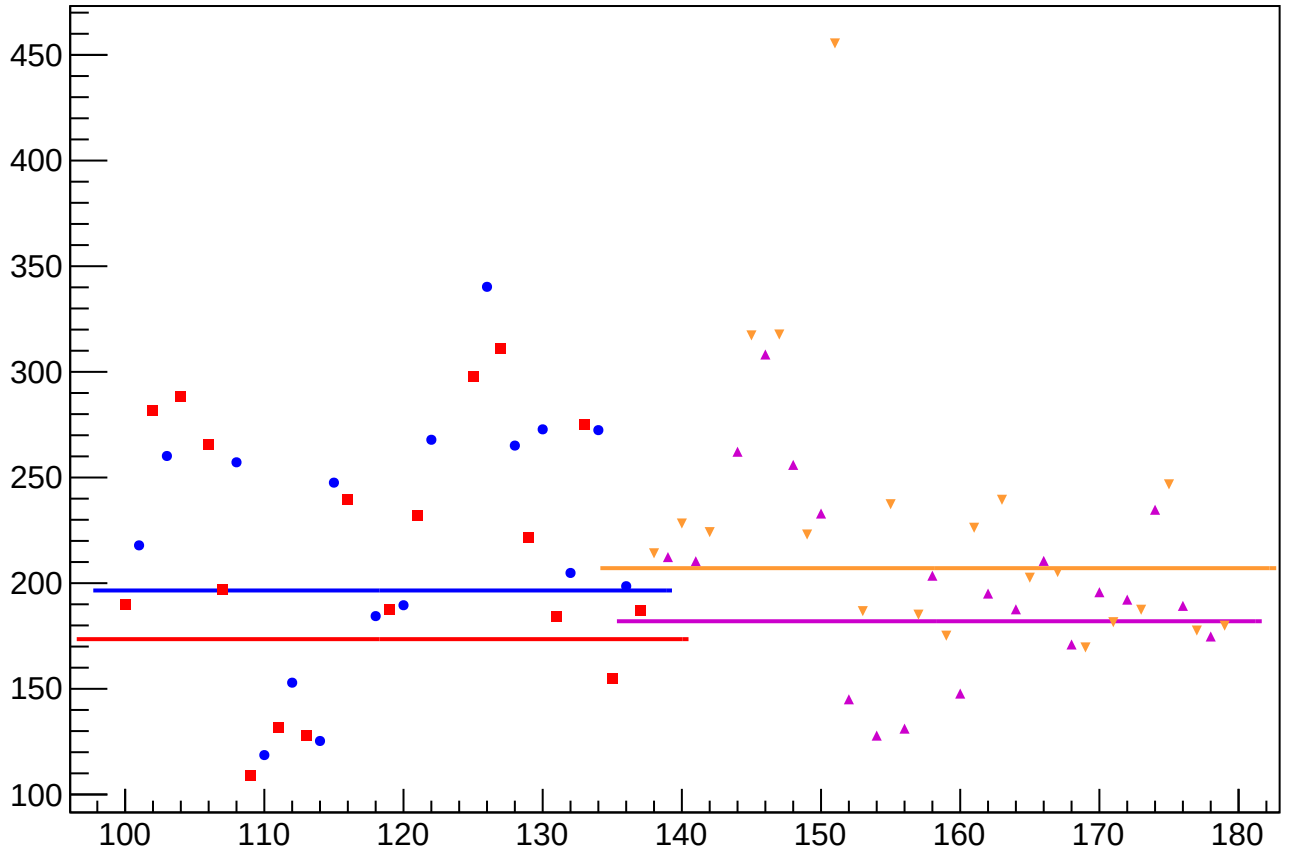
Left: 125.682+/-35.113 χ^2/NDF: 14.2/40

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 71.429+/-40.297 χ^2/NDF:25.5/35

Out: 43.218+/-41.848 χ^2/NDF:29.4/38

All: 57.856+/-29.027 χ^2/NDF: 55.0/74



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 207.104+/-0.037 χ^2/NDF:1310906.8/20

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 181.980+/-0.033 χ^2/NDF:1588259.1/19

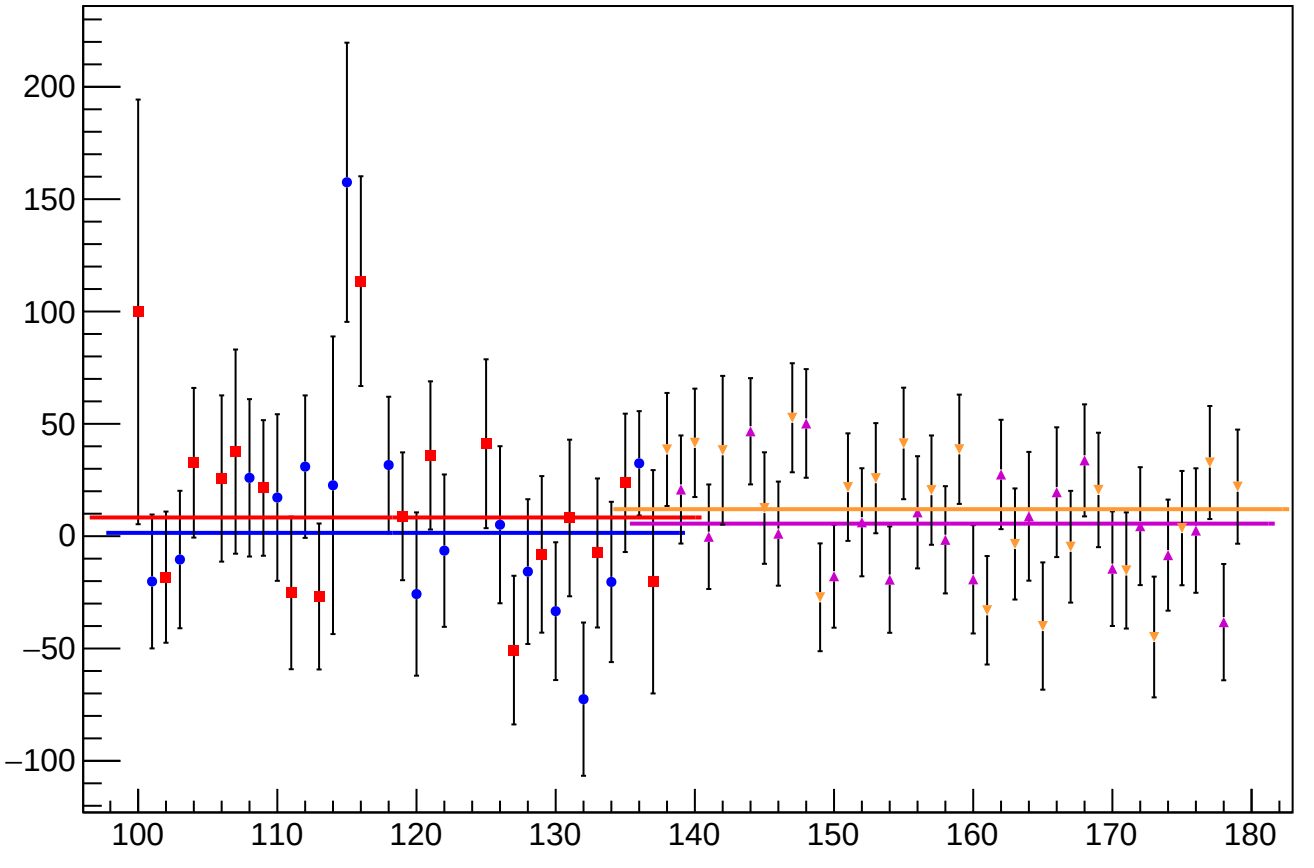
Left: 193.234+/-0.025 χ^2/NDF: 3152368.6/40

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 185.954+/-0.028 χ^2/NDF:2640851.8/35

Out: 194.883+/-0.030 χ^2/NDF:3141950.5/38

All: 190.250+/-0.021 χ^2/NDF: 5830045.1/74



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 12.017+/-5.505 χ^2/NDF:26.3/20

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 5.583+/-5.541 χ^2/NDF:16.4/19

Left: 8.821+/-3.905 χ^2/NDF: 43.4/40

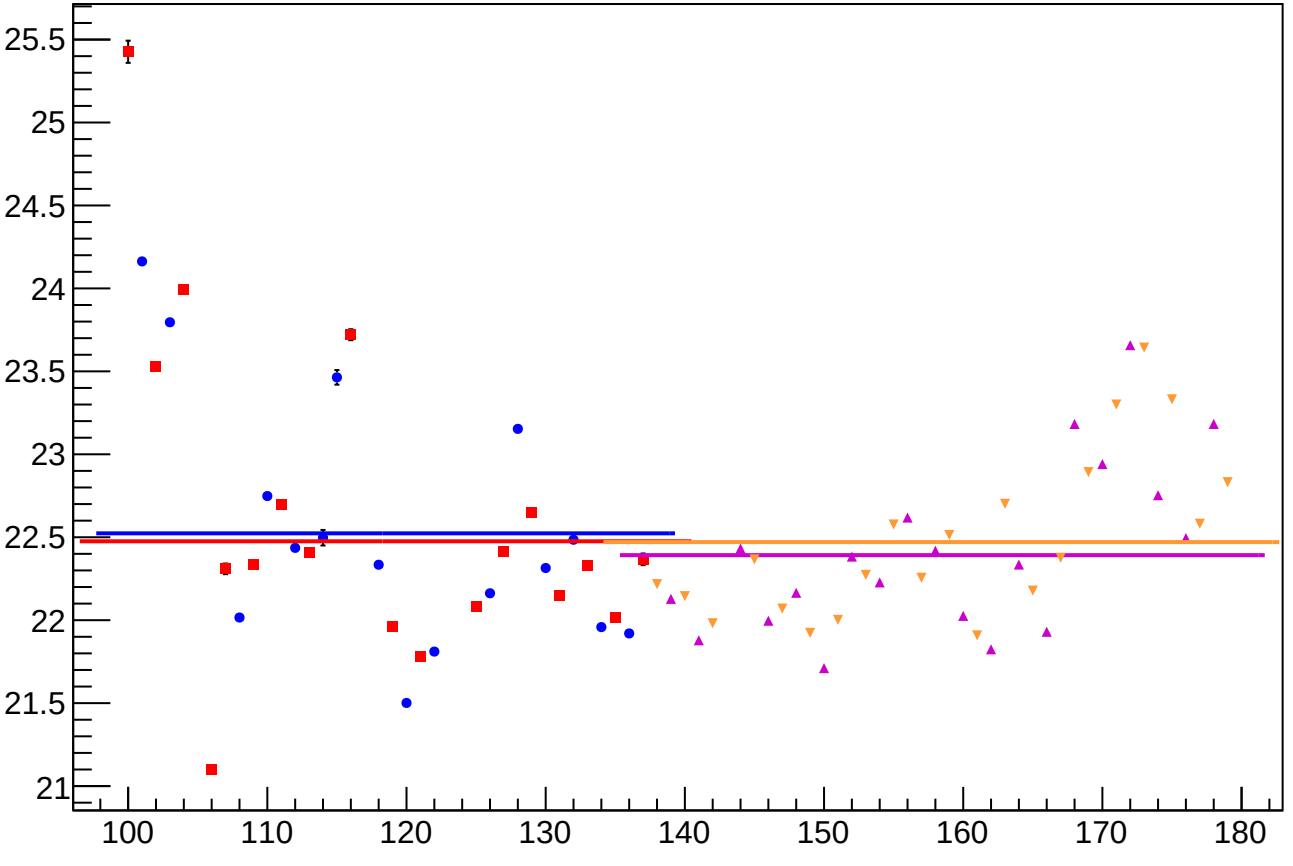
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.332+/-4.620 χ^2/NDF:35.3/35

Out: 10.887+/-4.585 χ^2/NDF:42.4/38

All: 7.634+/-3.255 χ^2/NDF: 78.7/74

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.471+/-0.004 χ^2/NDF:14369.6/20

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.392+/-0.004 χ^2/NDF:15991.4/19

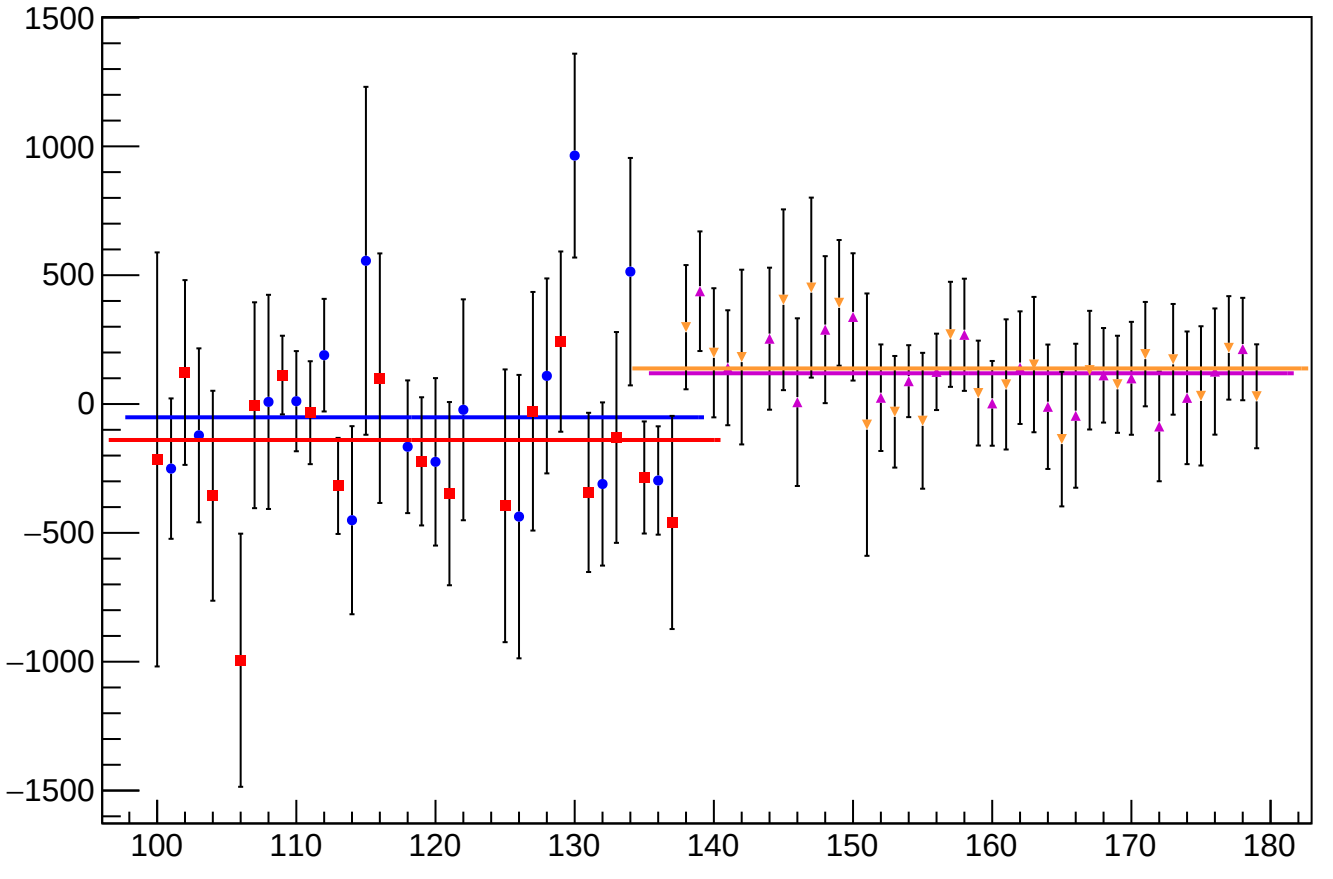
Left: 22.432+/-0.003 χ^2/NDF: 30564.0/40

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.432+/-0.003 χ^2/NDF:32282.1/35

Out: 22.472+/-0.003 χ^2/NDF:29906.7/38

All: 22.452+/-0.002 χ^2/NDF: 62264.7/74



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 138.159+/-52.435 χ^2/NDF:7.0/20

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 119.348+/-47.203 χ^2/NDF:6.6/19

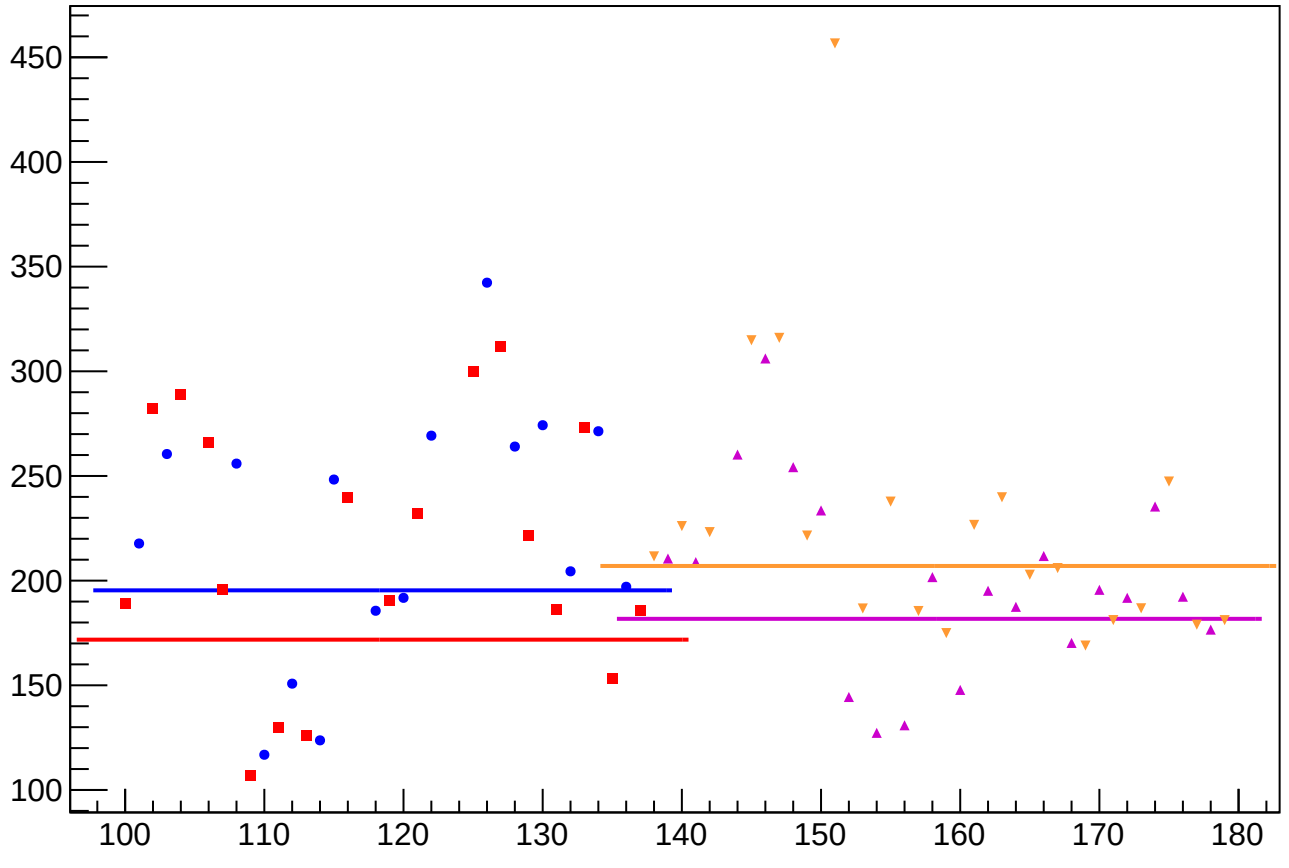
Left: 127.769+/-35.082 χ^2/NDF: 13.6/40

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 72.505+/-40.214 χ^2/NDF:25.5/35

Out: 36.287+/-41.724 χ^2/NDF:28.8/38

All: 55.063+/-28.955 χ^2/NDF: 54.7/74



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 207.008+/-0.037 χ^2/NDF:1297177.6/20

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 181.753+/-0.033 χ^2/NDF:1582483.6/19

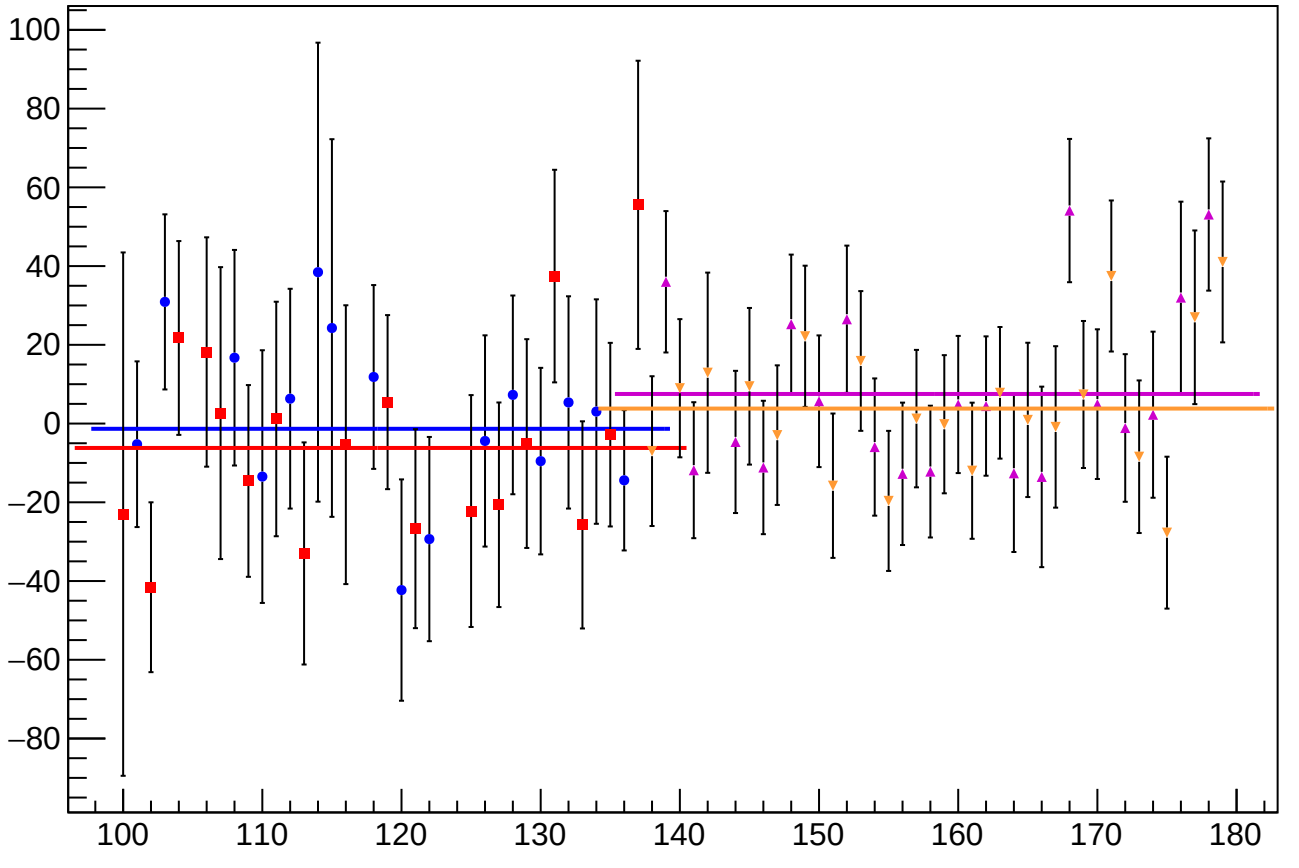
Left: 193.058+/-0.025 χ^2/NDF: 3135953.4/40

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.484+/-0.028 χ^2/NDF:2669494.5/35

Out: 194.094+/-0.030 χ^2/NDF:3228534.7/38

All: 189.631+/-0.020 χ^2/NDF: 5942187.0/74



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.807+/-4.100 χ^2/NDF:16.8/20

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 7.516+/-4.128 χ^2/NDF:26.1/19

Left: 5.649+/-2.909 χ^2/NDF: 43.3/40

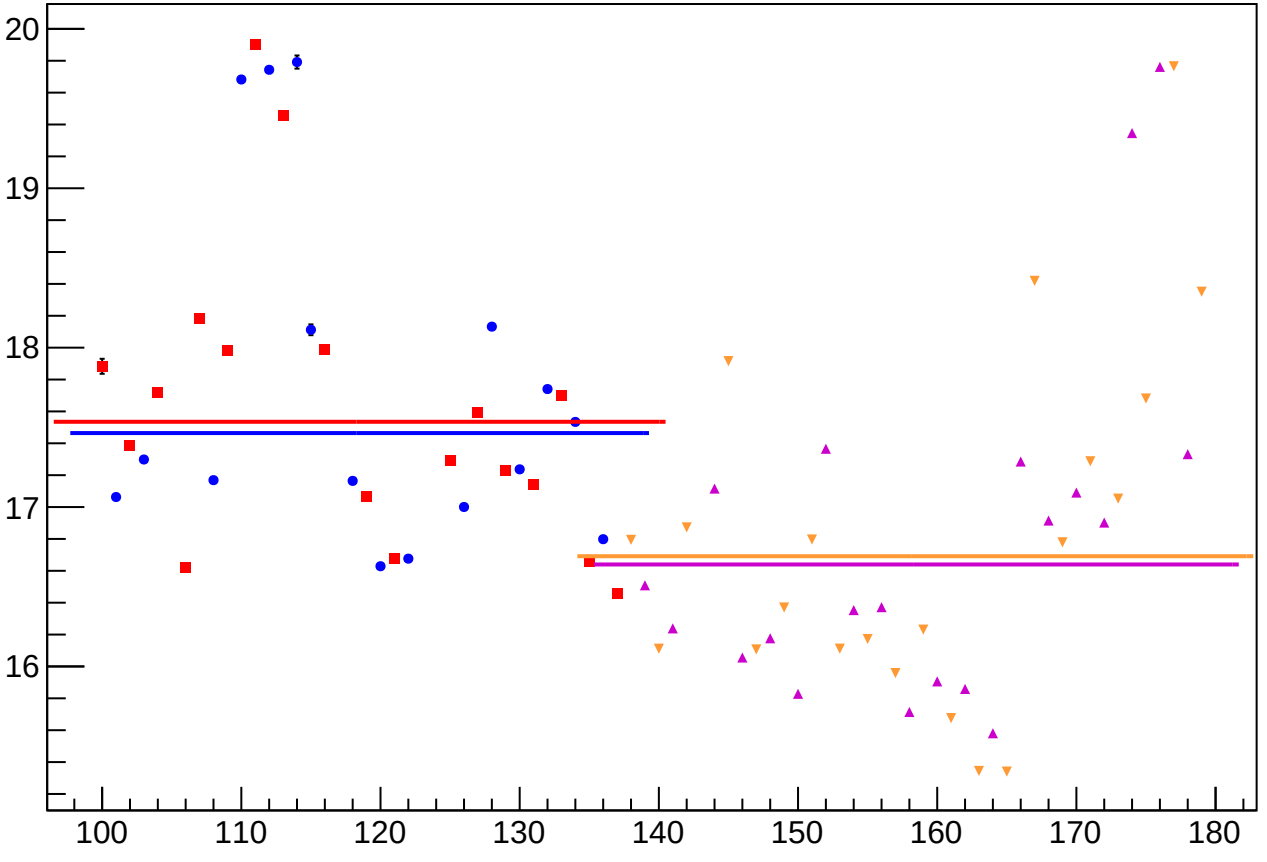
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 4.972+/-3.484 χ^2/NDF:35.4/35

Out: 0.944+/-3.463 χ^2/NDF:32.0/38

All: 2.946+/-2.456 χ^2/NDF: 68.0/74

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.692+/-0.003 χ^2/NDF:125099.7/20

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.640+/-0.003 χ^2/NDF:106070.4/19

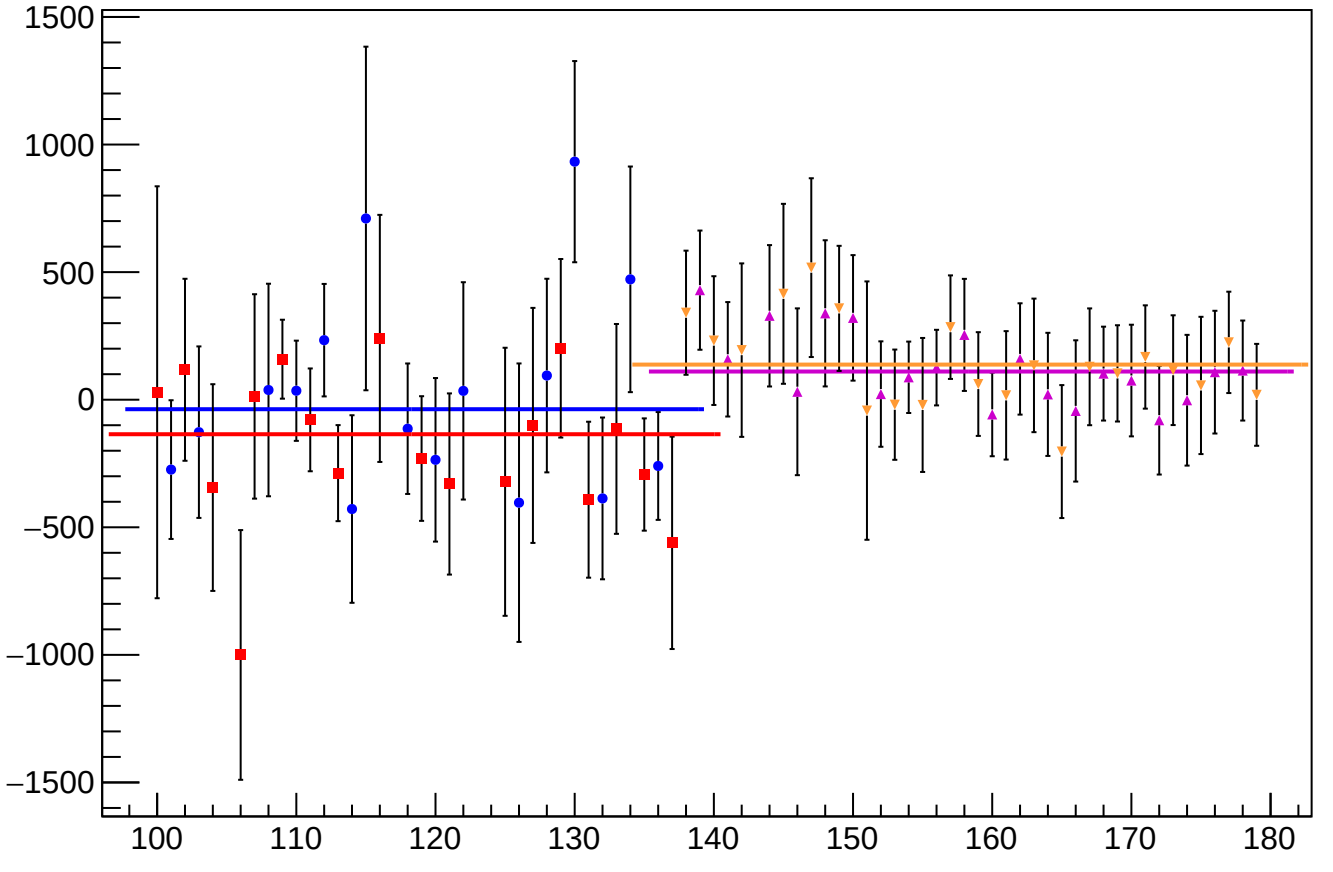
Left: 16.666+/-0.002 χ^2/NDF: 231328.6/40

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.877+/-0.002 χ^2/NDF:165654.2/35

Out: 16.933+/-0.002 χ^2/NDF:183814.2/38

All: 16.905+/-0.002 χ^2/NDF: 349730.6/74



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 137.632+/-52.344 χ^2/NDF:7.8/20

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 110.432+/-47.161 χ^2/NDF:7.2/19

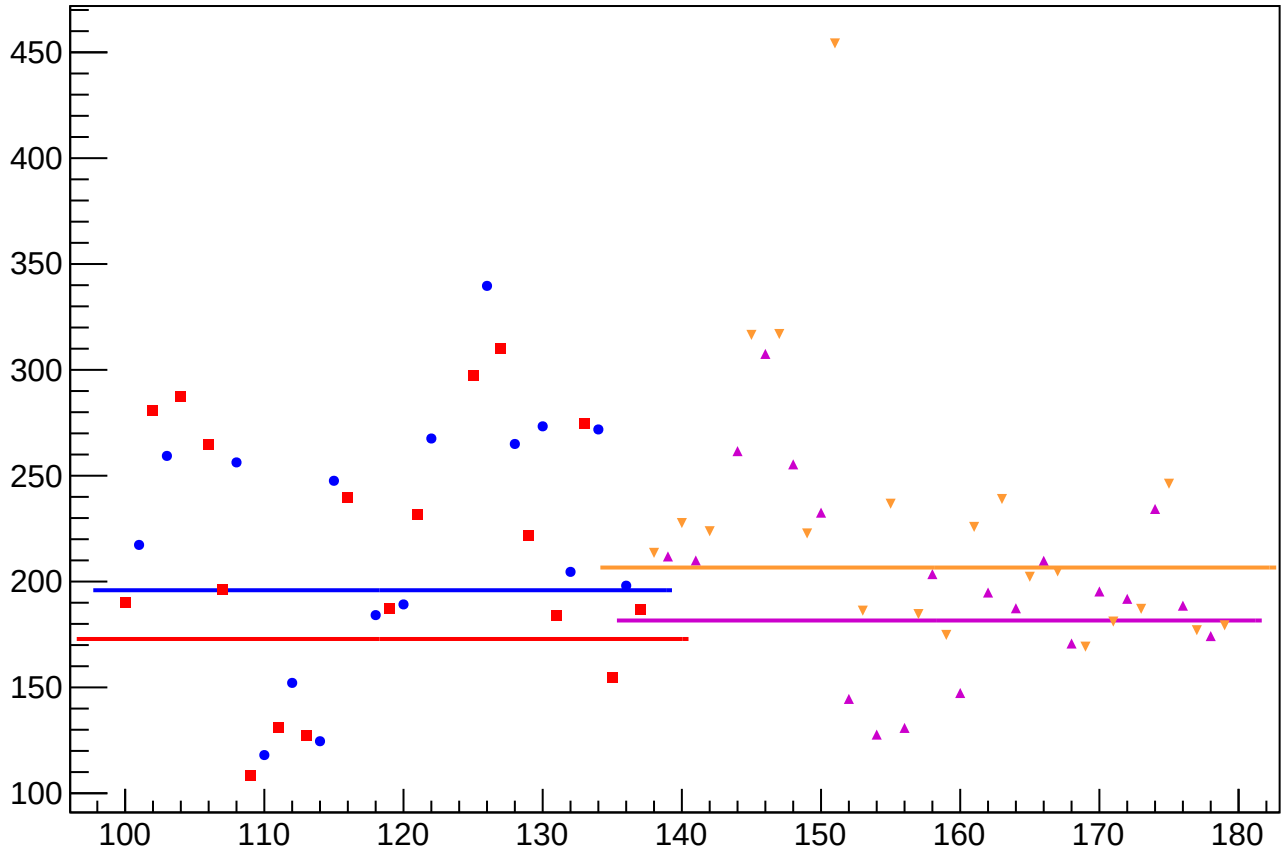
Left: 122.619+/-35.037 χ^2/NDF: 15.1/40

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 70.083+/-40.205 χ^2/NDF:25.5/35

Out: 38.233+/-41.737 χ^2/NDF:30.5/38

All: 54.753+/-28.956 χ^2/NDF: 56.3/74



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 206.626+/-0.037 χ^2/NDF:1311537.4/20

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 181.606+/-0.033 χ^2/NDF:1588250.9/19

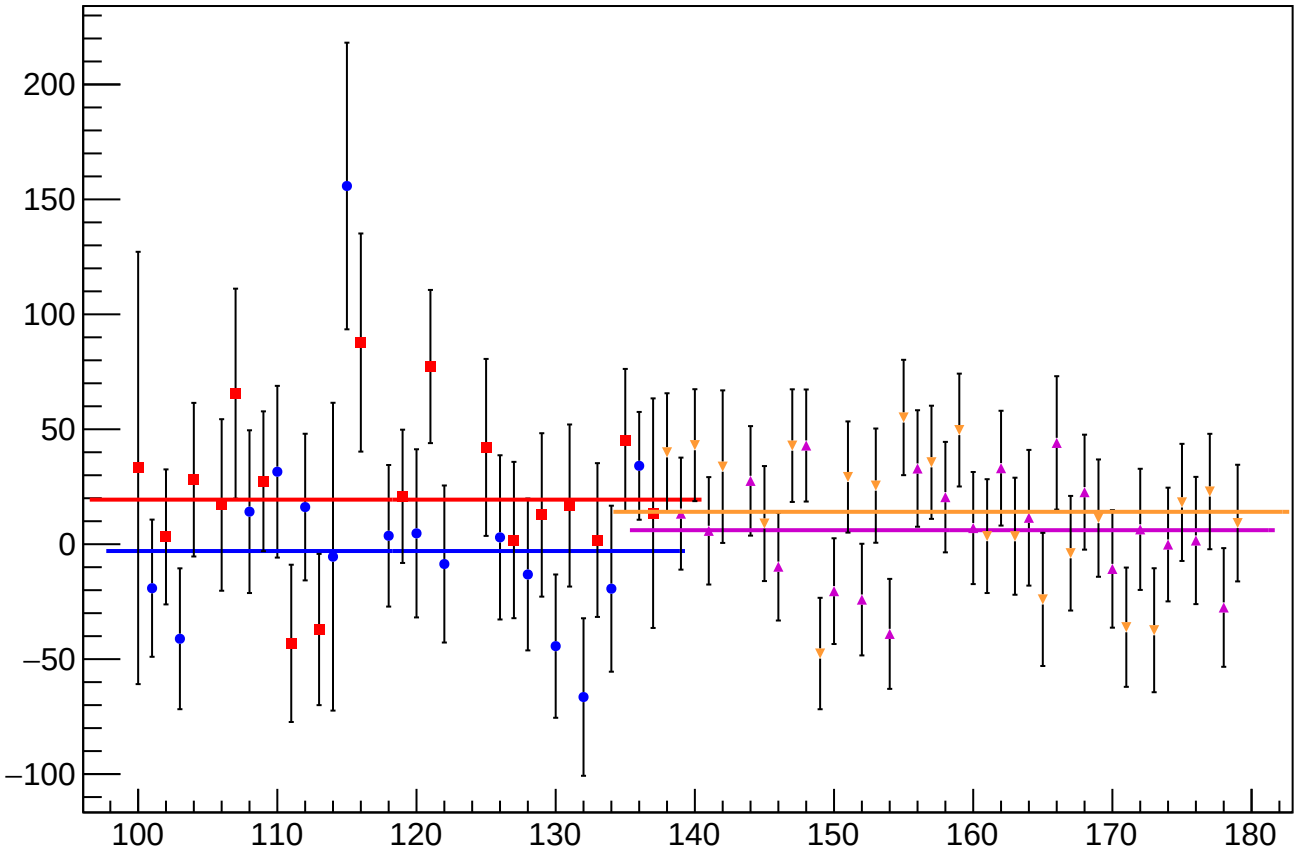
Left: 192.816+/-0.025 χ^2/NDF: 3151993.6/40

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 185.512+/-0.028 χ^2/NDF:2649458.7/35

Out: 194.332+/-0.030 χ^2/NDF:3157685.4/38

All: 189.757+/-0.020 χ^2/NDF: 5853478.1/74



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.089+/-5.559 χ^2/NDF:27.0/20

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 6.098+/-5.587 χ^2/NDF:17.1/19

Left: 10.113+/-3.941 χ^2/NDF: 45.2/40

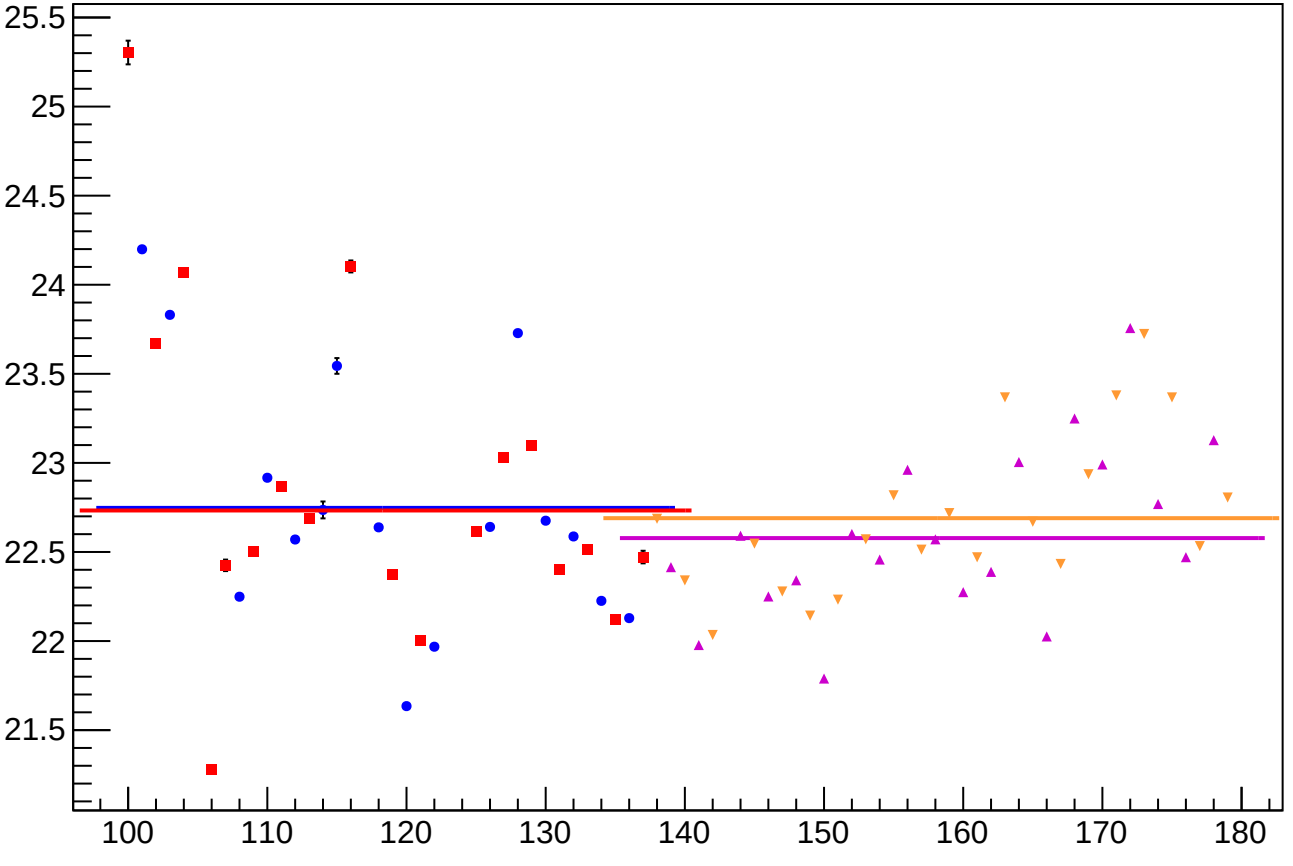
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 3.342+/-4.661 χ^2/NDF:35.8/35

Out: 15.708+/-4.633 χ^2/NDF:41.8/38

All: 9.563+/-3.286 χ^2/NDF: 81.2/74

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.690+/-0.004 χ^2/NDF:11621.6/20

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

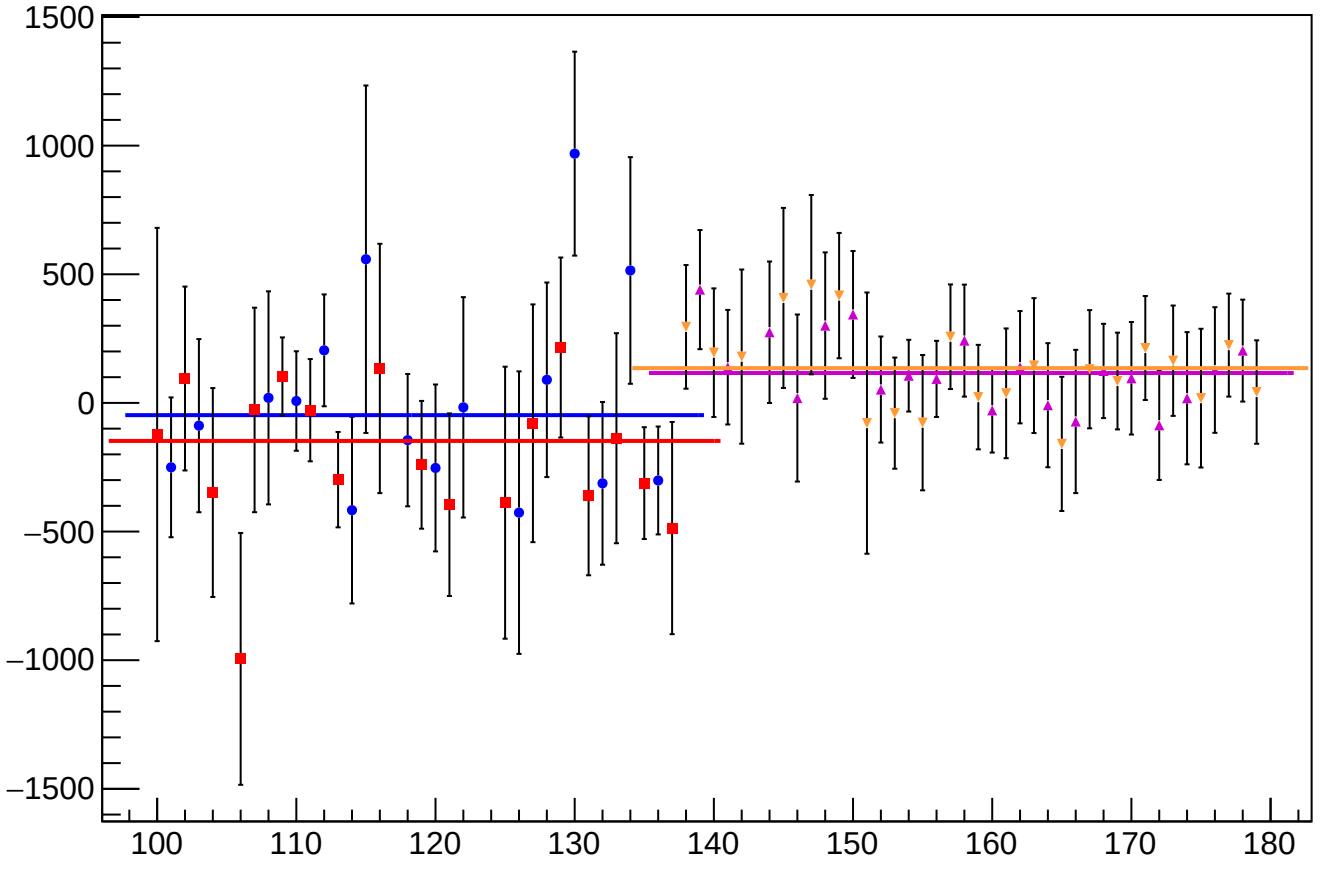
Left: 22.634+/-0.003 χ^2/NDF: 25464.6/40

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.629+/-0.003 χ^2/NDF:28623.2/35

Out: 22.703+/-0.003 χ^2/NDF:26048.1/38

All: 22.666+/-0.002 χ^2/NDF: 54921.3/74



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 135.223+/-52.314 χ^2/NDF:7.8/20

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 116.193+/-47.106 χ^2/NDF:6.9/19

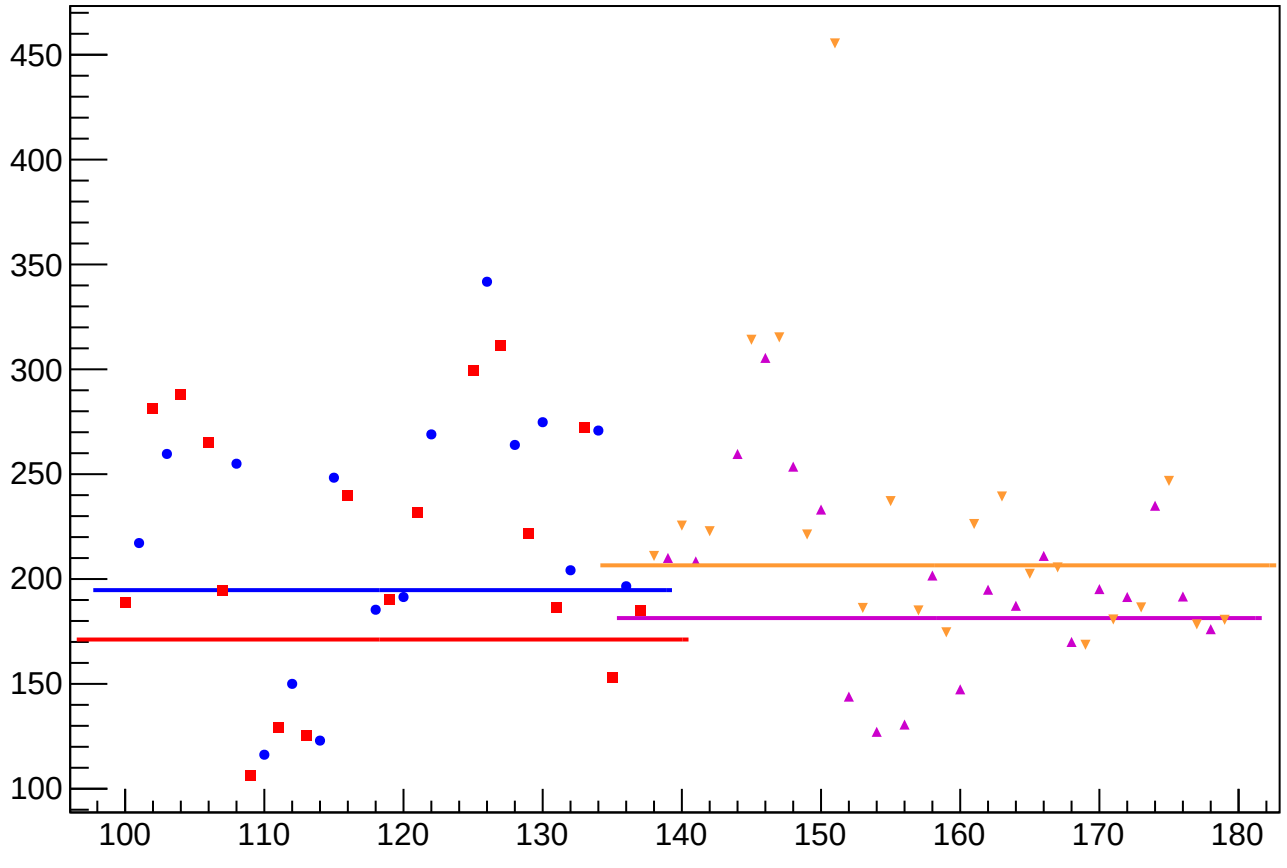
Left: 124.714+/-35.006 χ^2/NDF: 14.7/40

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 71.244+/-40.122 χ^2/NDF:25.6/35

Out: 31.262+/-41.612 χ^2/NDF:30.0/38

All: 51.982+/-28.883 χ^2/NDF: 56.1/74



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 206.530+/-0.037 χ^2/NDF:1297767.0/20

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 181.382+/-0.033 χ^2/NDF:1582248.5/19

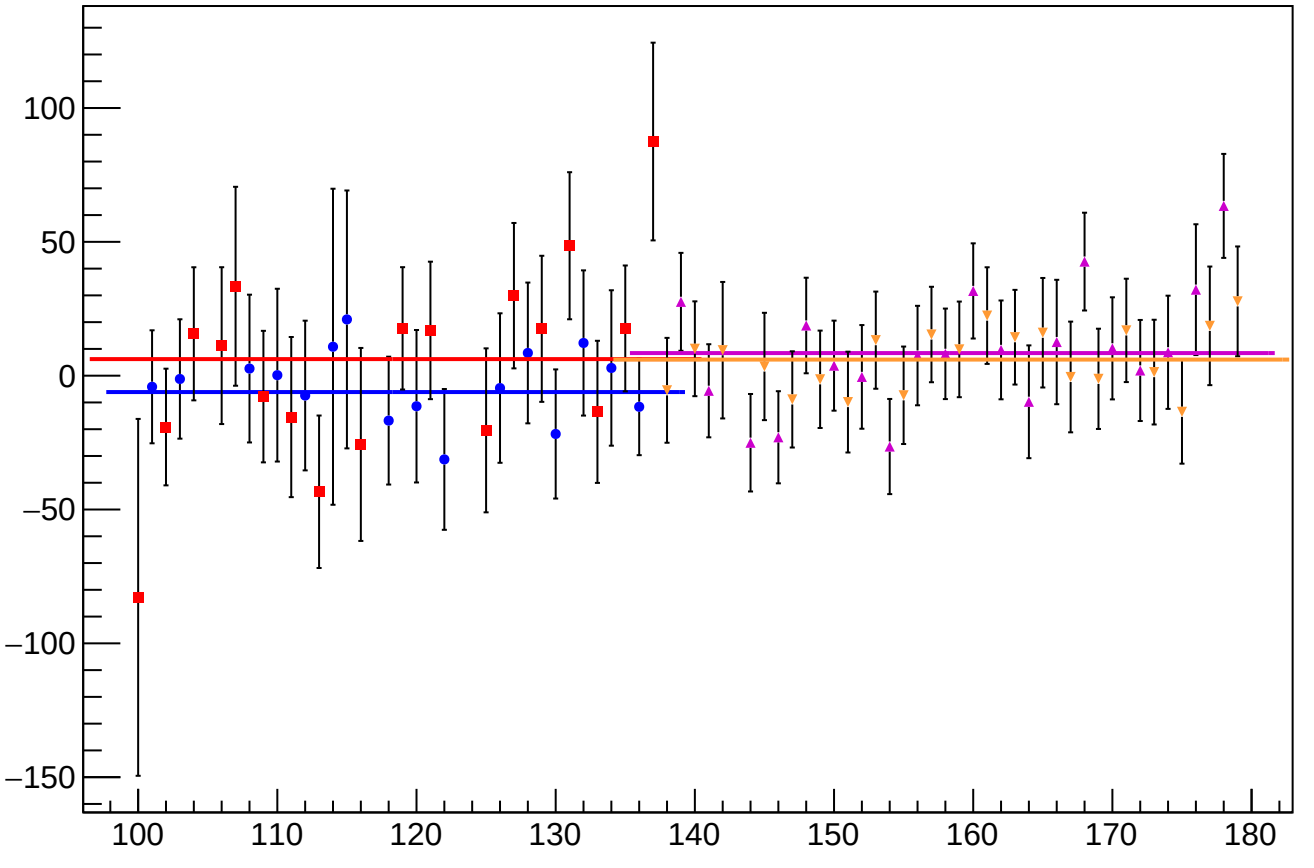
Left: 192.642+/-0.025 χ^2/NDF: 3135246.1/40

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.041+/-0.028 χ^2/NDF:2678483.1/35

Out: 193.537+/-0.029 χ^2/NDF:3245578.9/38

All: 189.134+/-0.020 χ^2/NDF: 5967272.1/74



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 6.013+/-4.177 χ^2/NDF:7.4/20

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 8.446+/-4.192 χ^2/NDF:28.0/19

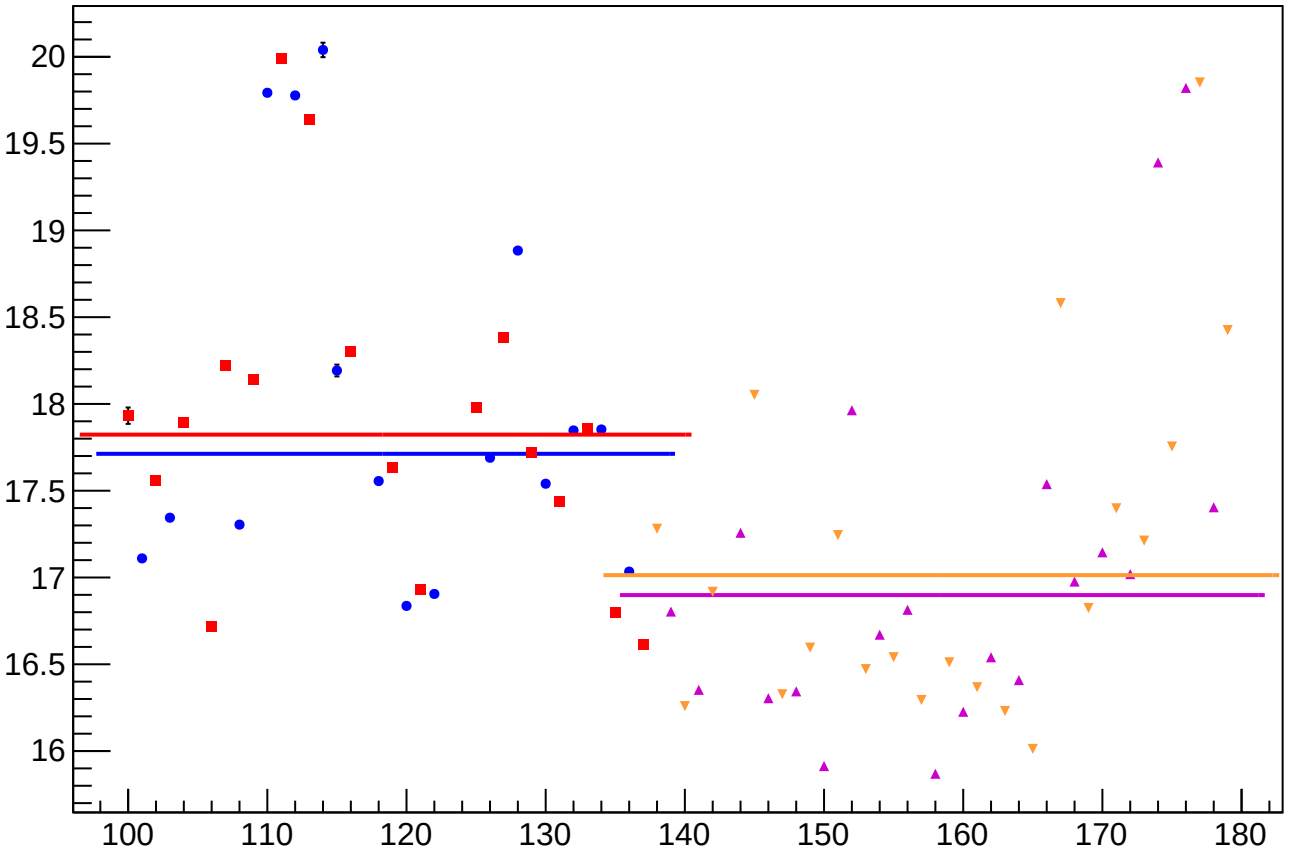
Left: 7.225+/-2.959 χ^2/NDF: 35.6/40

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 4.252+/-3.538 χ^2/NDF:34.6/35

Out: 6.065+/-3.527 χ^2/NDF:26.0/38

All: 5.161+/-2.498 χ^2/NDF: 60.8/74



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.013+/-0.003 χ^2/NDF:90827.5/20

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

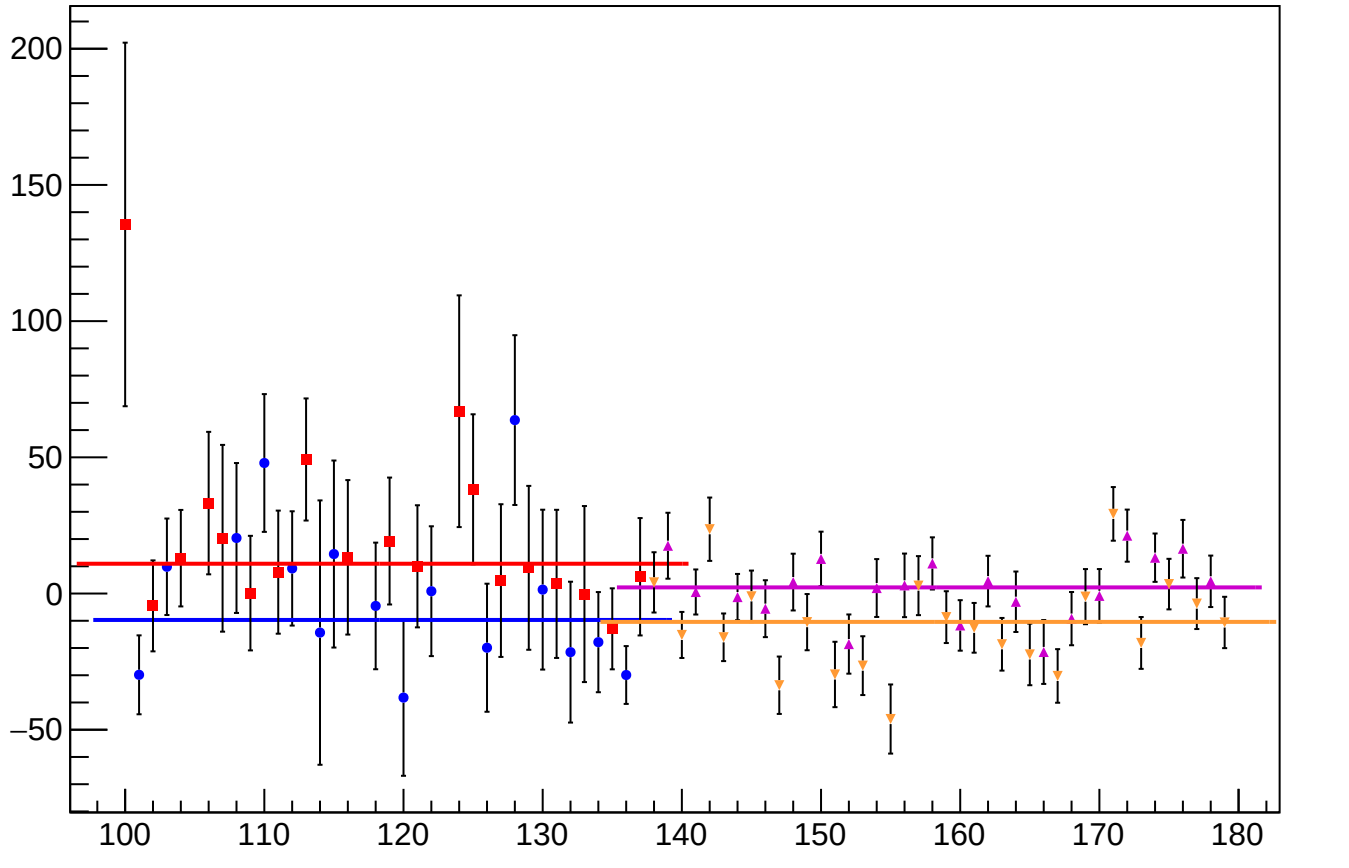
Left: 16.956+/-0.002 χ^2/NDF: 183804.5/40

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.133+/-0.003 χ^2/NDF:149918.3/35

Out: 17.246+/-0.002 χ^2/NDF:144914.7/38

All: 17.190+/-0.002 χ^2/NDF: 295856.1/74



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.411+/-2.133 χ^2/NDF:57.5/21

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 2.250+/-2.223 χ^2/NDF:23.4/19

Left: -4.342+/-1.539 χ^2/NDF: 97.9/41

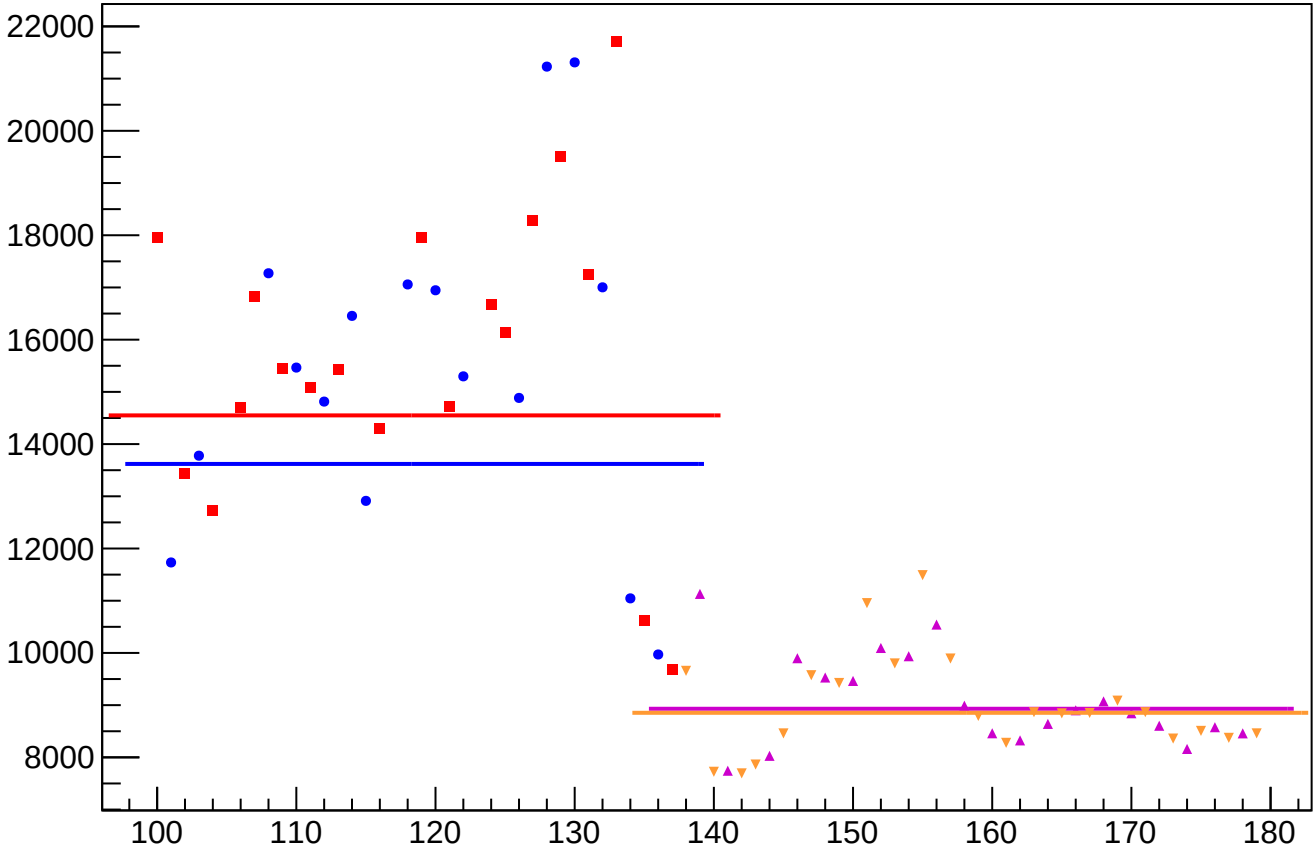
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: 0.423+/-2.046 χ^2/NDF:49.9/35

Out: -7.563+/-1.985 χ^2/NDF:85.0/40

All: -3.690+/-1.425 χ^2/NDF: 142.7/76

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8853.444+/-1.508 χ^2/NDF:318186.3/21

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8930.647+/-1.572 χ^2/NDF:278513.2/19

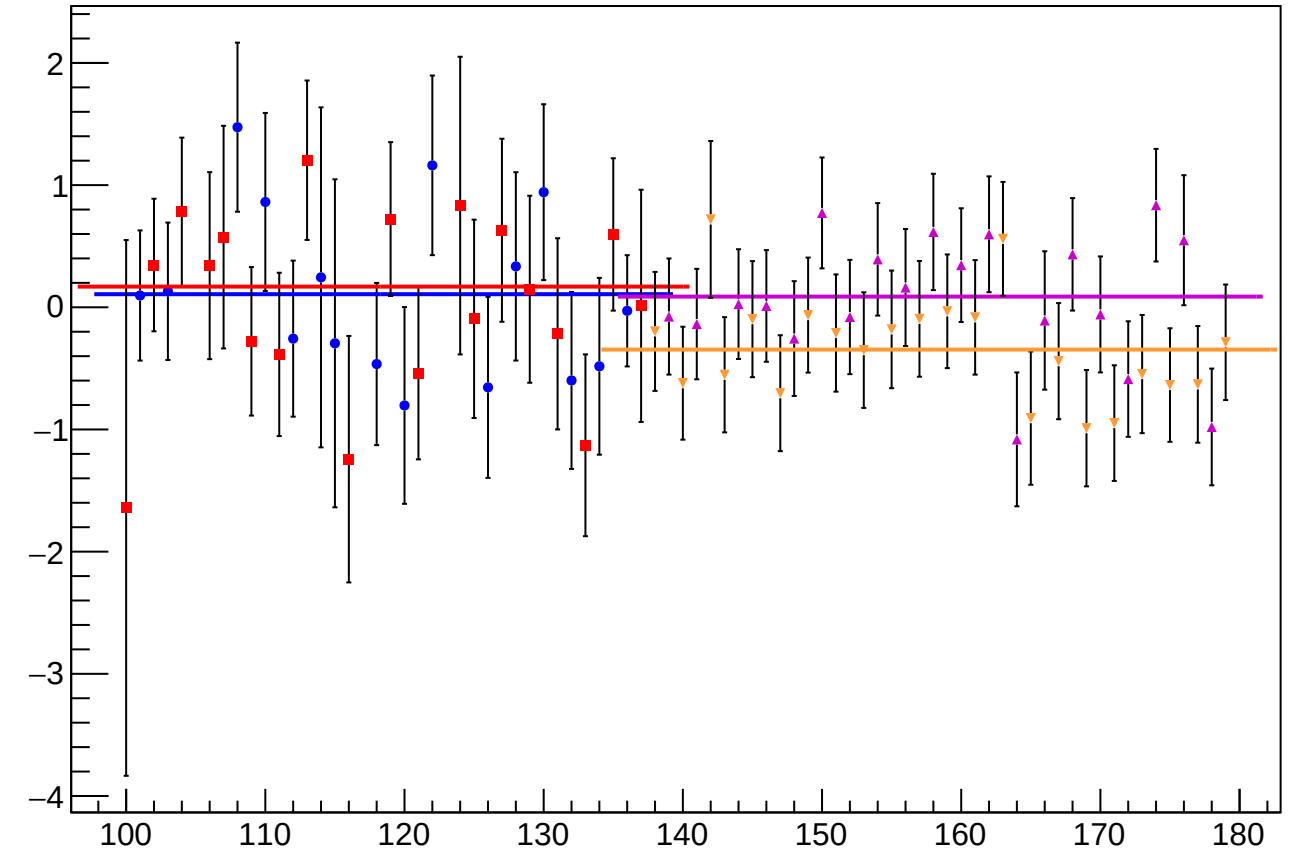
Left: 8890.451+/-1.088 χ^2/NDF: 597955.8/41

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9647.711+/-1.447 χ^2/NDF:2386684.3/35

Out: 9613.229+/-1.404 χ^2/NDF:2777089.1/40

All: 9629.954+/-1.007 χ^2/NDF: 5164066.1/76



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.346+/-0.103 χ^2/NDF:15.1/21

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.088+/-0.106 χ^2/NDF:22.3/19

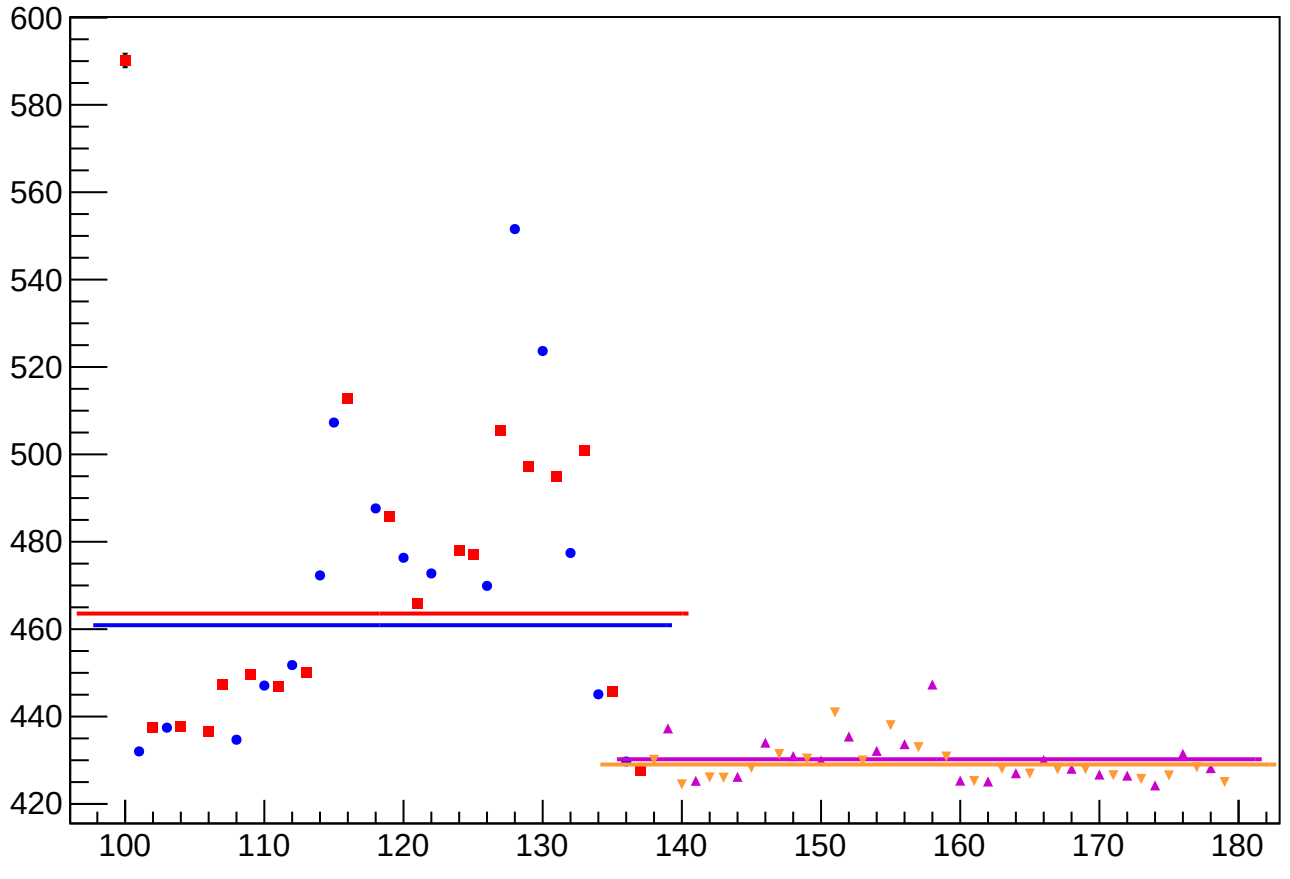
Left: -0.137+/-0.074 χ^2/NDF: 46.0/41

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.093+/-0.090 χ^2/NDF:35.9/35

Out: -0.208+/-0.088 χ^2/NDF:36.0/40

All: -0.062+/-0.063 χ^2/NDF: 77.6/76



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.028+/-0.073 χ^2/NDF:3054.3/21

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.223+/-0.075 χ^2/NDF:5132.9/19

Left: 429.603+/-0.052 χ^2/NDF: 8318.0/41

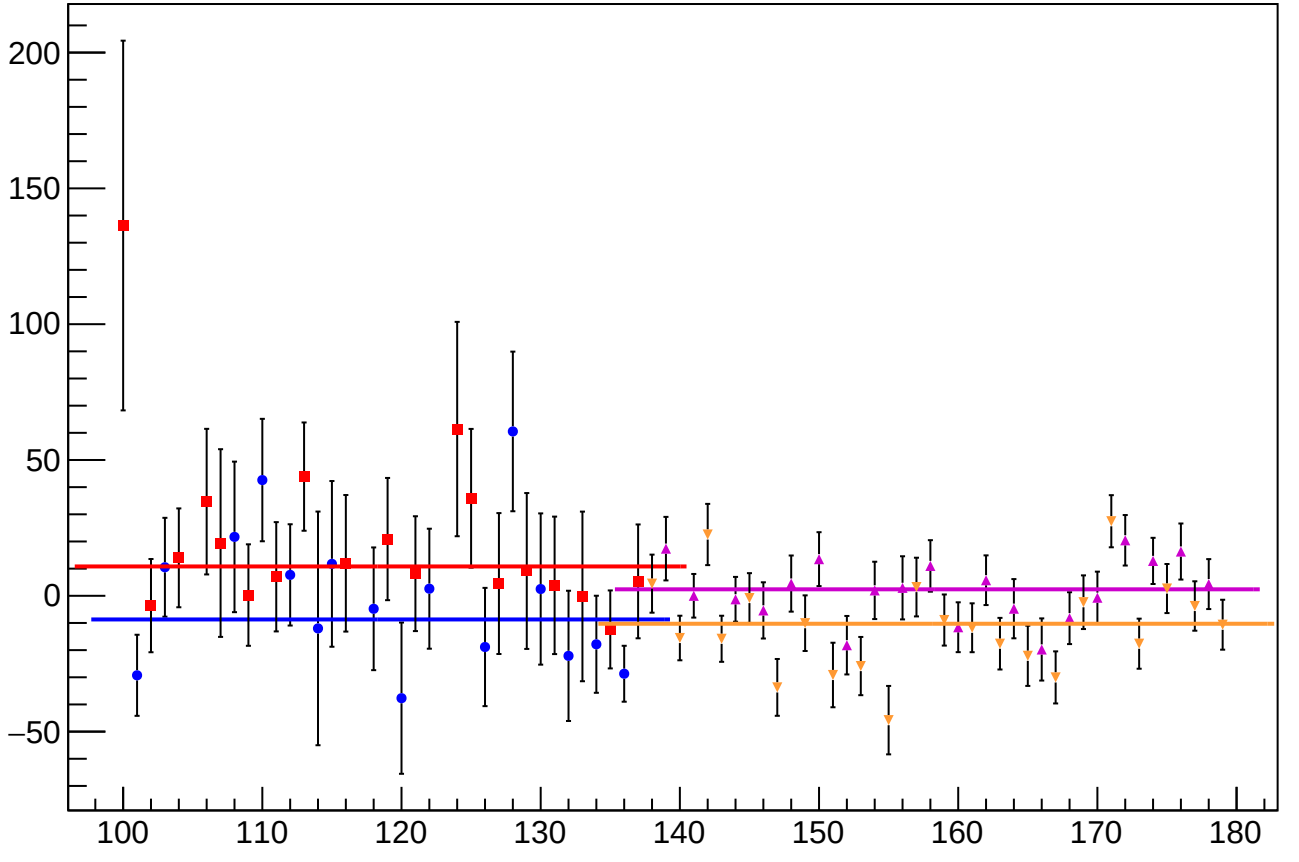
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 438.739+/-0.064 χ^2/NDF:126202.3/35

Out: 438.295+/-0.062 χ^2/NDF:116064.9/40

All: 438.510+/-0.045 χ^2/NDF: 242292.0/76

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.292+/-2.088 χ^2/NDF:56.8/21

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 2.386+/-2.178 χ^2/NDF:23.4/19

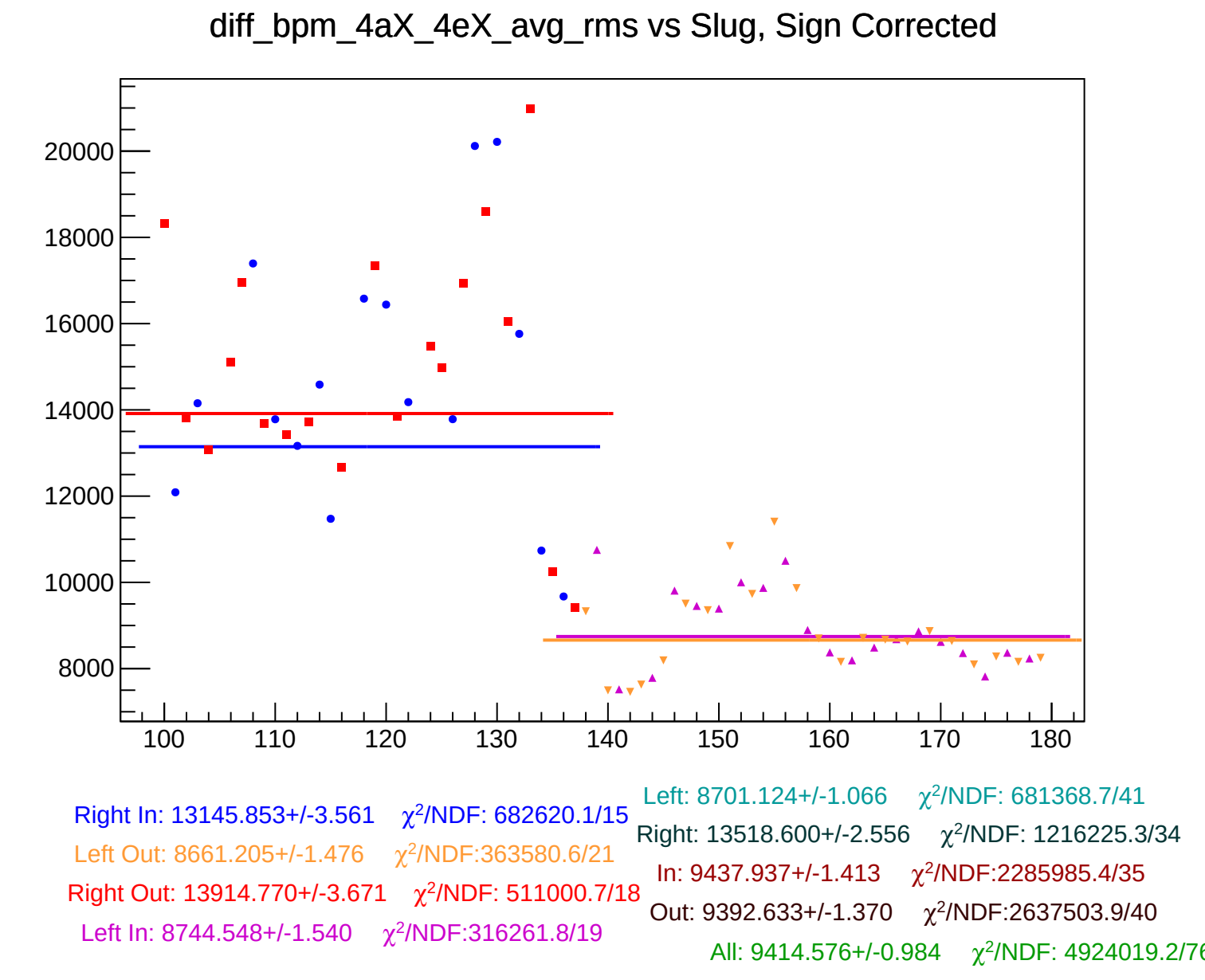
Left: -4.220+/-1.507 χ^2/NDF: 97.8/41

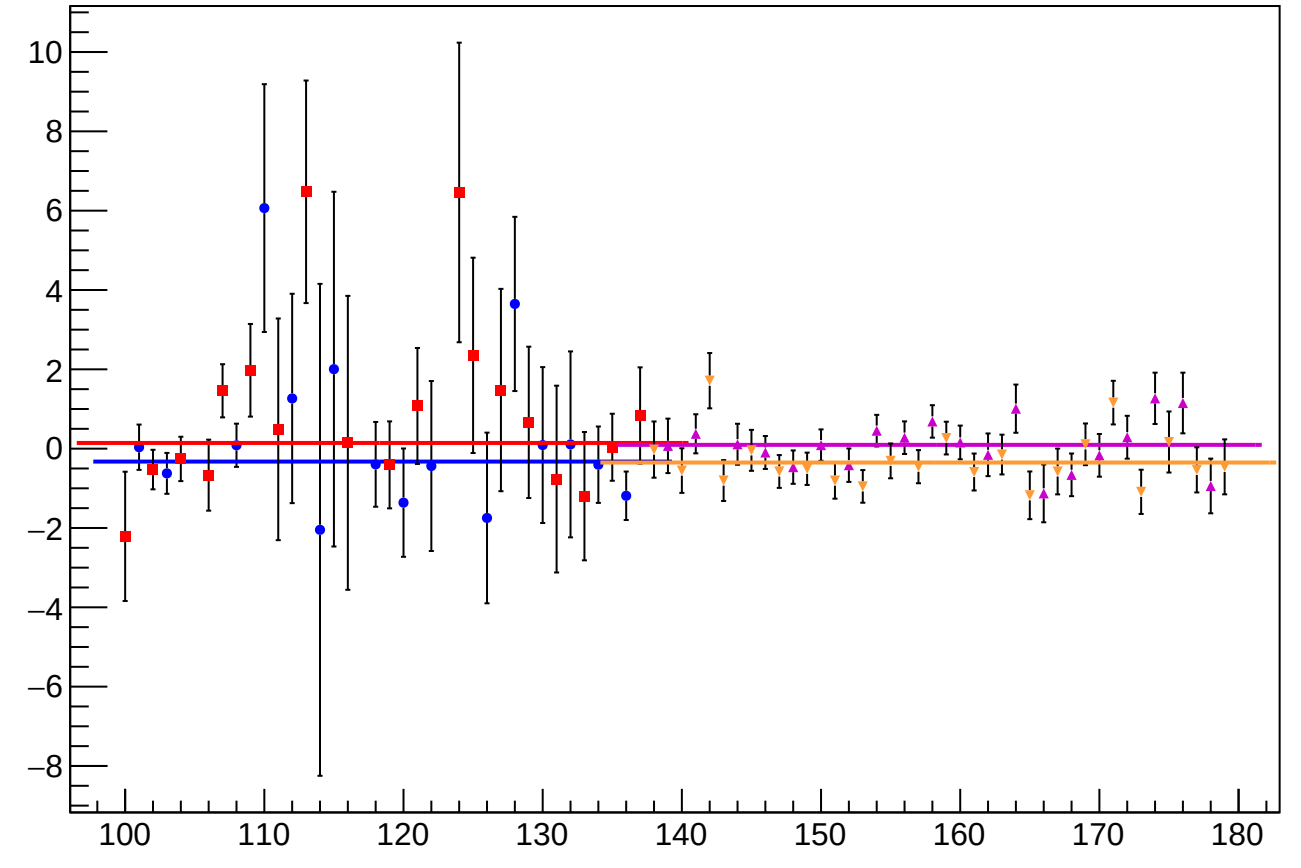
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: 0.638+/-1.999 χ^2/NDF:49.7/35

Out: -7.355+/-1.937 χ^2/NDF:84.9/40

All: -3.483+/-1.391 χ^2/NDF: 142.9/76


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8661.205+/-1.476 χ²/NDF:363580.6/21
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8744.548+/-1.540 χ²/NDF:316261.8/19
Left: 8701.124+/-1.066 χ²/NDF: 681368.7/41
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9437.937+/-1.413 χ²/NDF:2285985.4/35
Out: 9392.633+/-1.370 χ²/NDF:2637503.9/40
All: 9414.576+/-0.984 χ²/NDF: 4924019.2/76



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.350+/-0.108 χ^2/NDF:29.2/21

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.096+/-0.111 χ^2/NDF:22.0/19

Left: -0.132+/-0.077 χ^2/NDF: 59.5/41

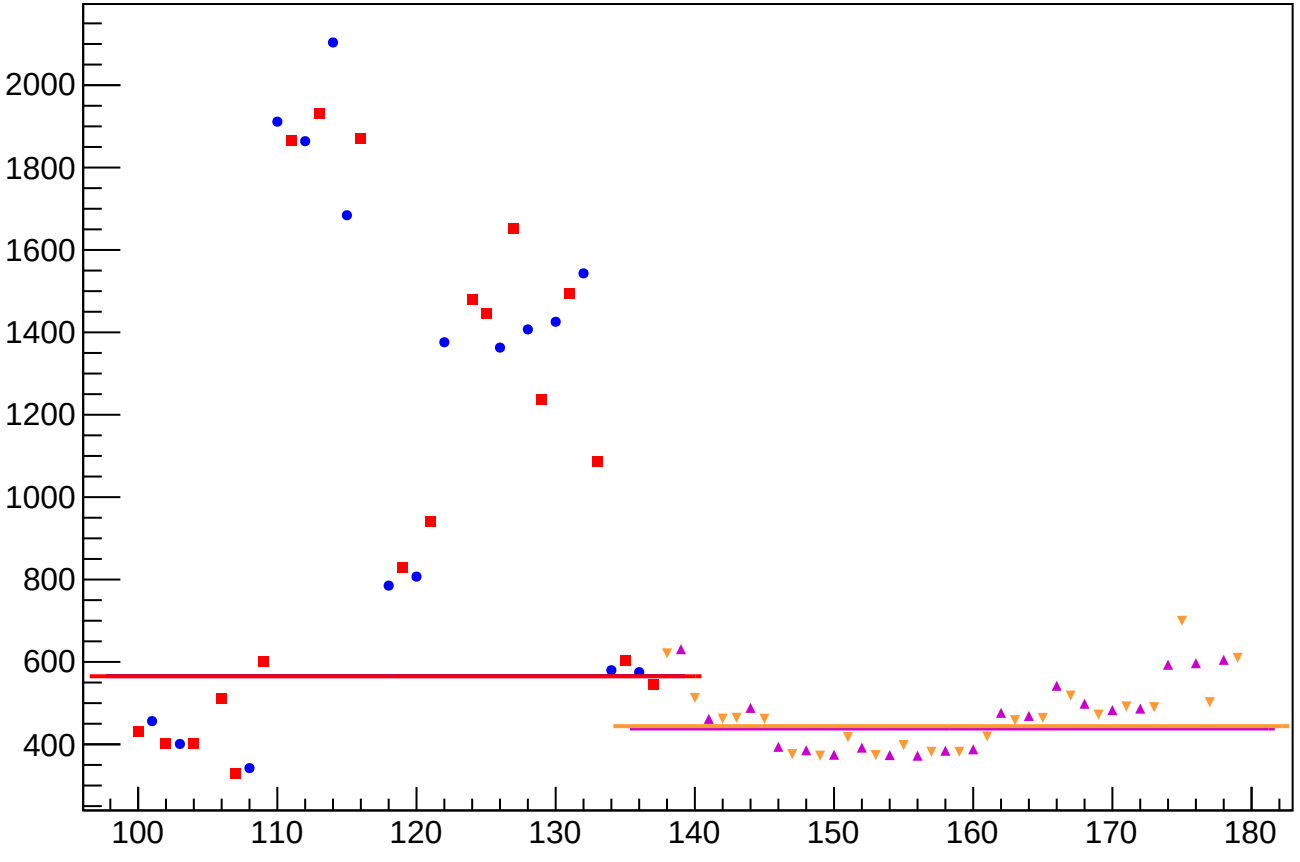
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.024+/-0.101 χ^2/NDF:37.0/35

Out: -0.269+/-0.099 χ^2/NDF:55.1/40

All: -0.125+/-0.071 χ^2/NDF: 96.4/76

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 444.121+/-0.076 χ^2/NDF:886557.3/21

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 438.466+/-0.078 χ^2/NDF:905406.6/19

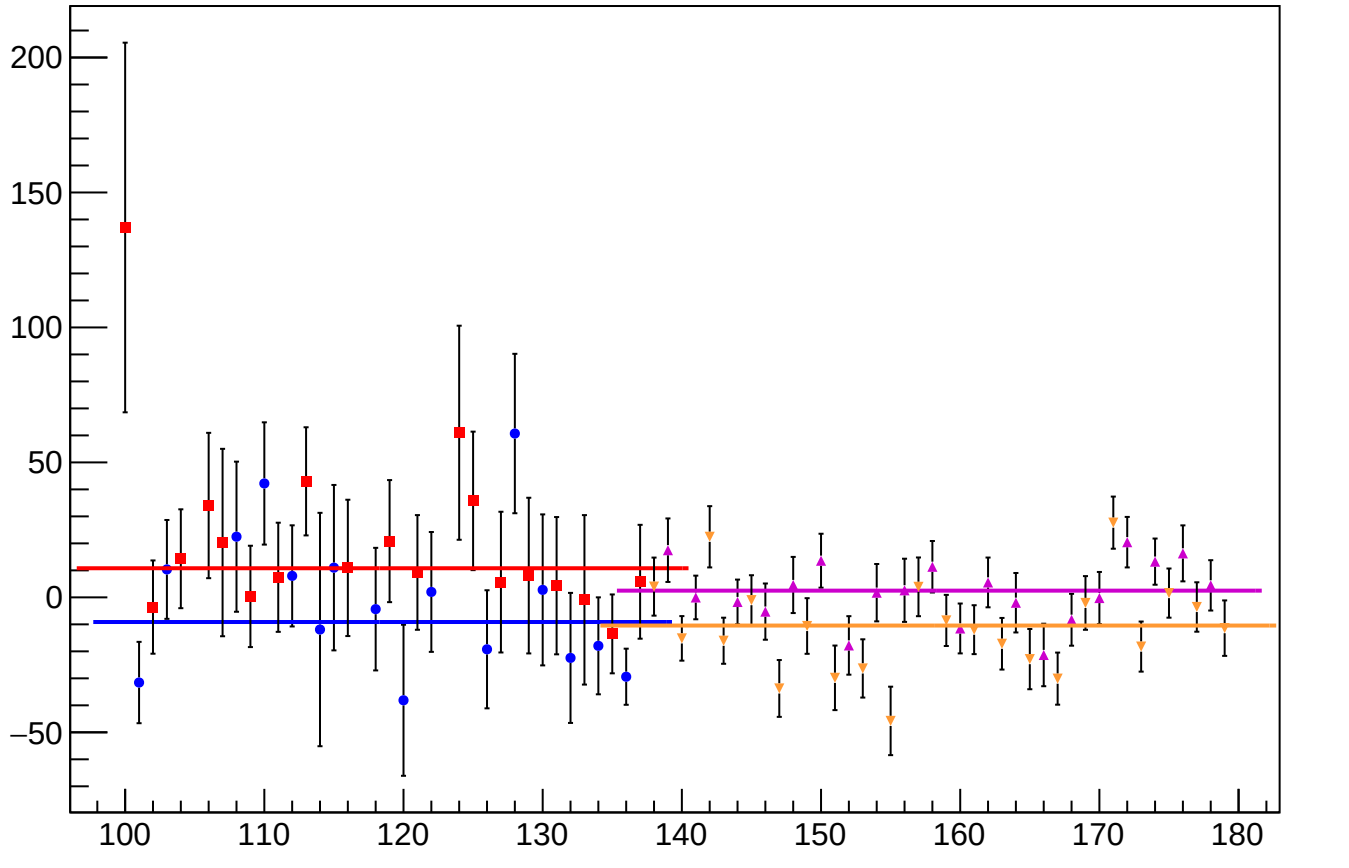
Left: 441.356+/-0.055 χ^2/NDF: 1794636.0/41

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

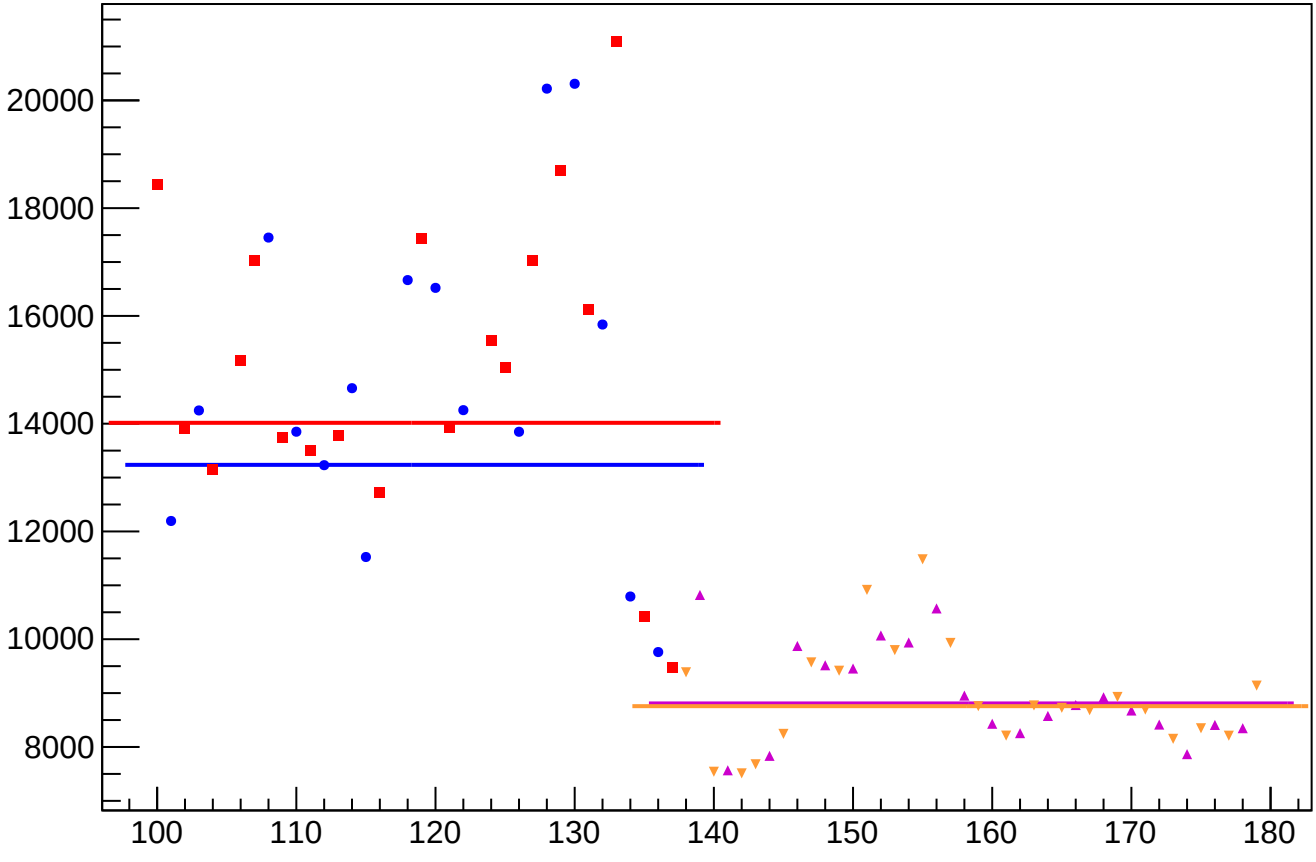
In: 460.111+/-0.071 χ^2/NDF:4805464.1/35

Out: 463.963+/-0.070 χ^2/NDF:4868885.2/40

All: 462.073+/-0.050 χ^2/NDF: 9675837.7/76


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -10.441+/-2.112 χ²/NDF:56.5/21
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 2.491+/-2.194 χ²/NDF:23.4/19
Left: -4.220+/-1.521 χ²/NDF: 97.9/41
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: 0.658+/-2.013 χ²/NDF:50.6/35
Out: -7.462+/-1.958 χ²/NDF:84.3/40
All: -3.514+/-1.404 χ²/NDF: 143.3/76

diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8757.434+/-1.493 χ^2/NDF:362622.7/21

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8808.115+/-1.551 χ^2/NDF:315016.2/19

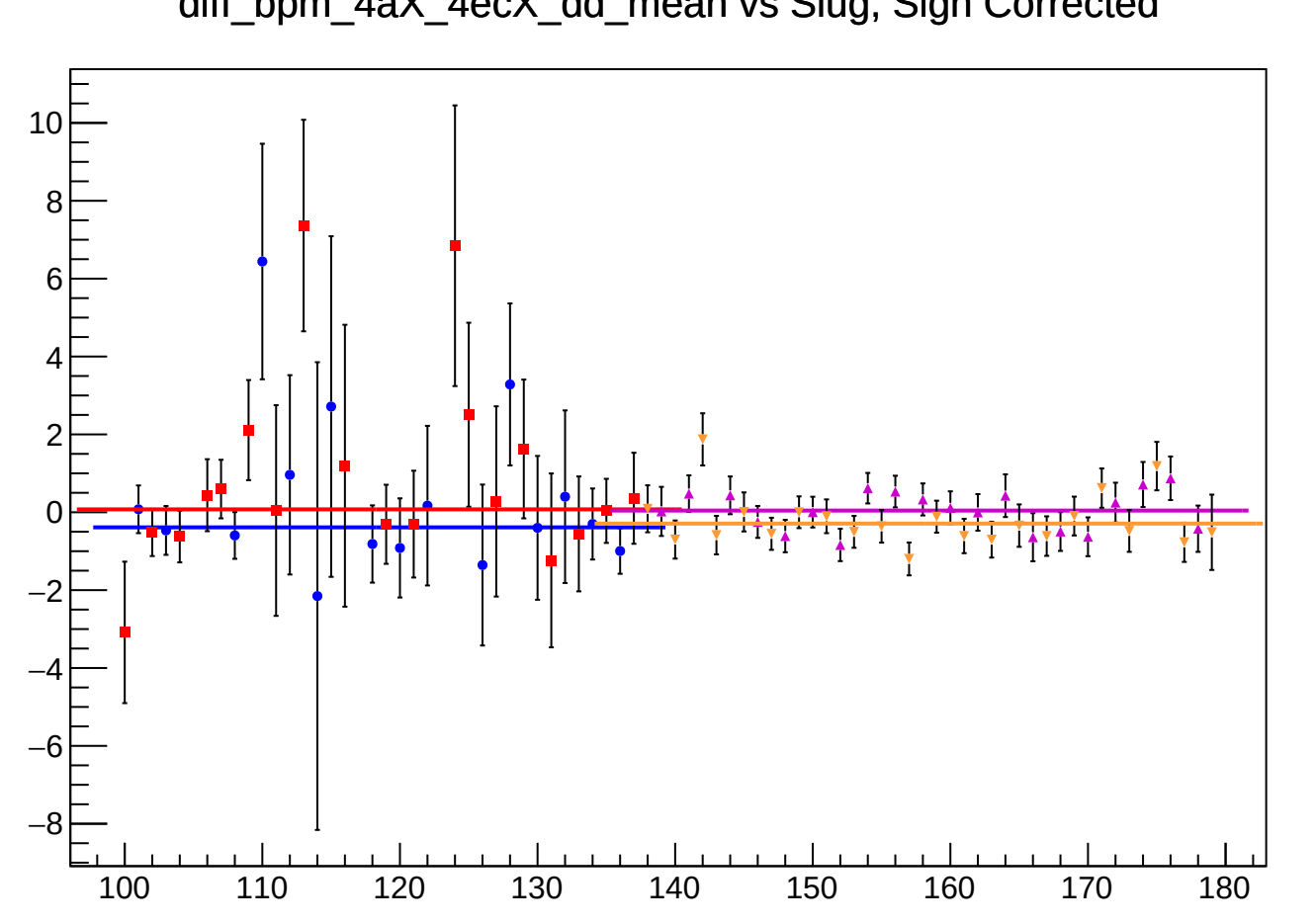
Left: 8781.815+/-1.076 χ^2/NDF: 678193.0/41

Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 9506.413+/-1.424 χ^2/NDF:2274077.2/35

Out: 9495.359+/-1.385 χ^2/NDF:2601134.9/40

All: 9500.733+/-0.993 χ^2/NDF: 4875243.0/76



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.291+/-0.103 χ^2/NDF:30.3/21

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.043+/-0.105 χ^2/NDF:22.1/19

Left: -0.126+/-0.074 χ^2/NDF: 57.6/41

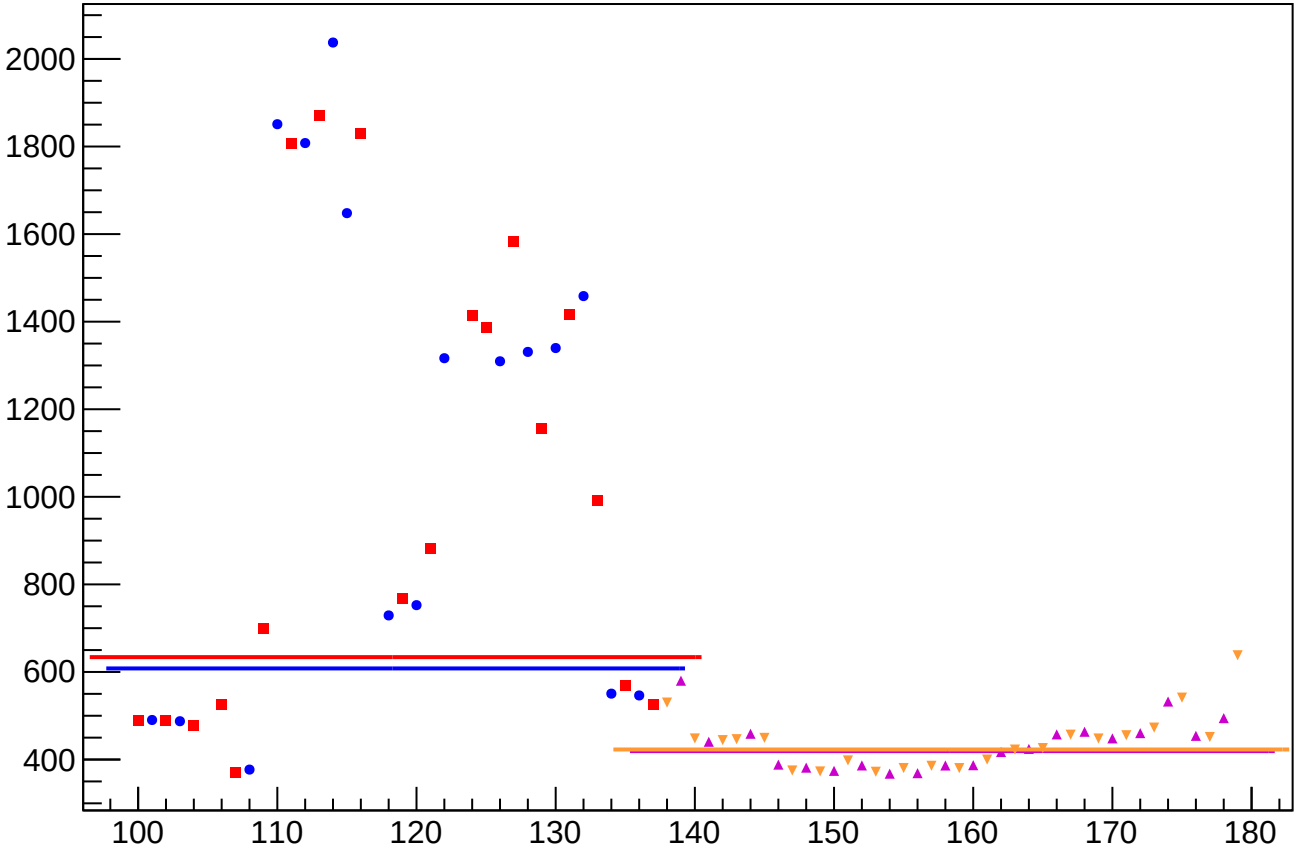
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.019+/-0.097 χ^2/NDF:36.2/35

Out: -0.242+/-0.096 χ^2/NDF:53.7/40

All: -0.132+/-0.068 χ^2/NDF: 92.6/76

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 422.948+/-0.073 χ^2/NDF:455620.5/21

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 419.250+/-0.074 χ^2/NDF:463163.4/19

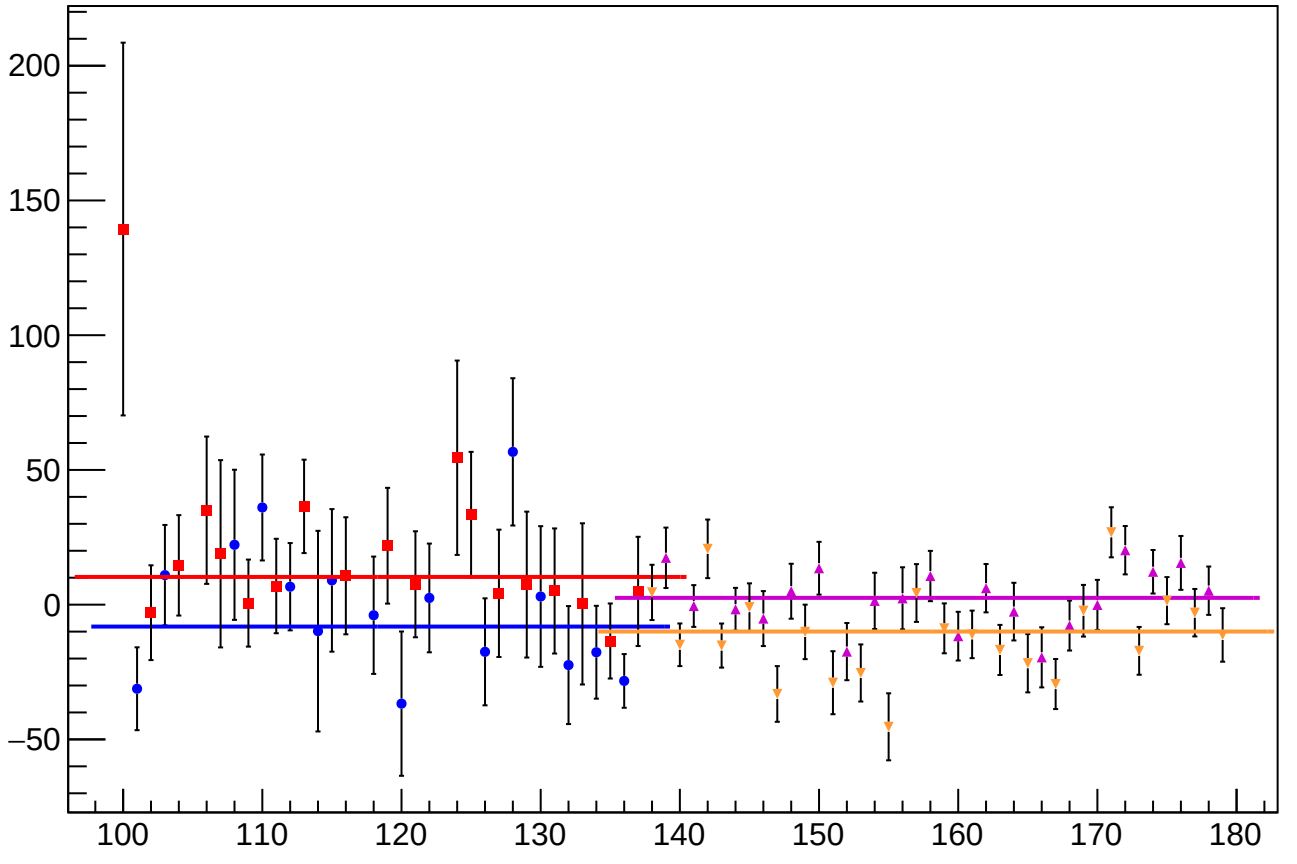
Left: 421.130+/-0.052 χ^2/NDF: 920044.2/41

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 446.510+/-0.069 χ^2/NDF:4248944.6/35

Out: 450.855+/-0.068 χ^2/NDF:4347577.7/40

All: 448.704+/-0.048 χ^2/NDF: 8598542.5/76



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.969+/-2.042 χ^2/NDF:57.0/21

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 2.521+/-2.122 χ^2/NDF:23.5/19

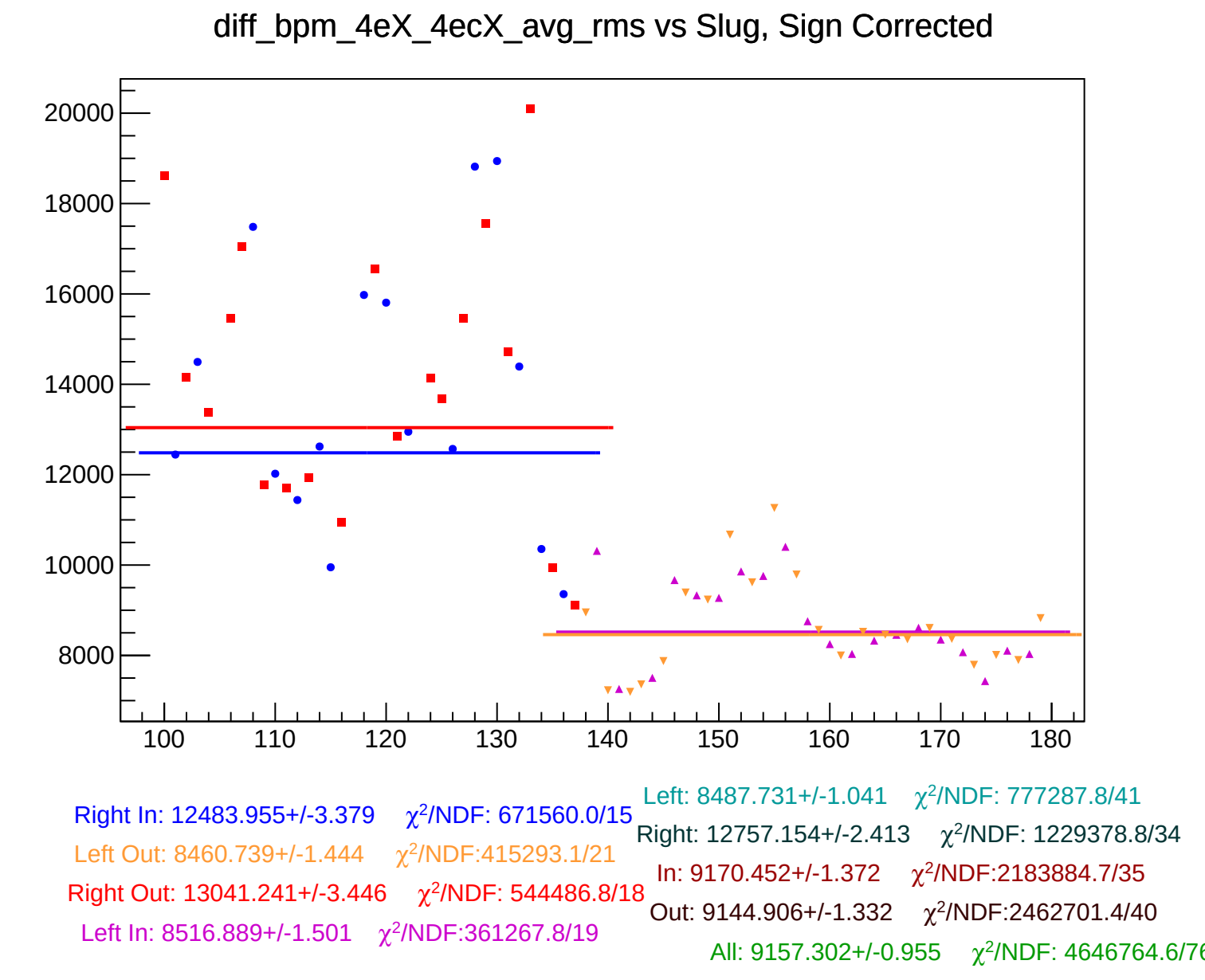
Left: -3.965+/-1.472 χ^2/NDF: 98.5/41

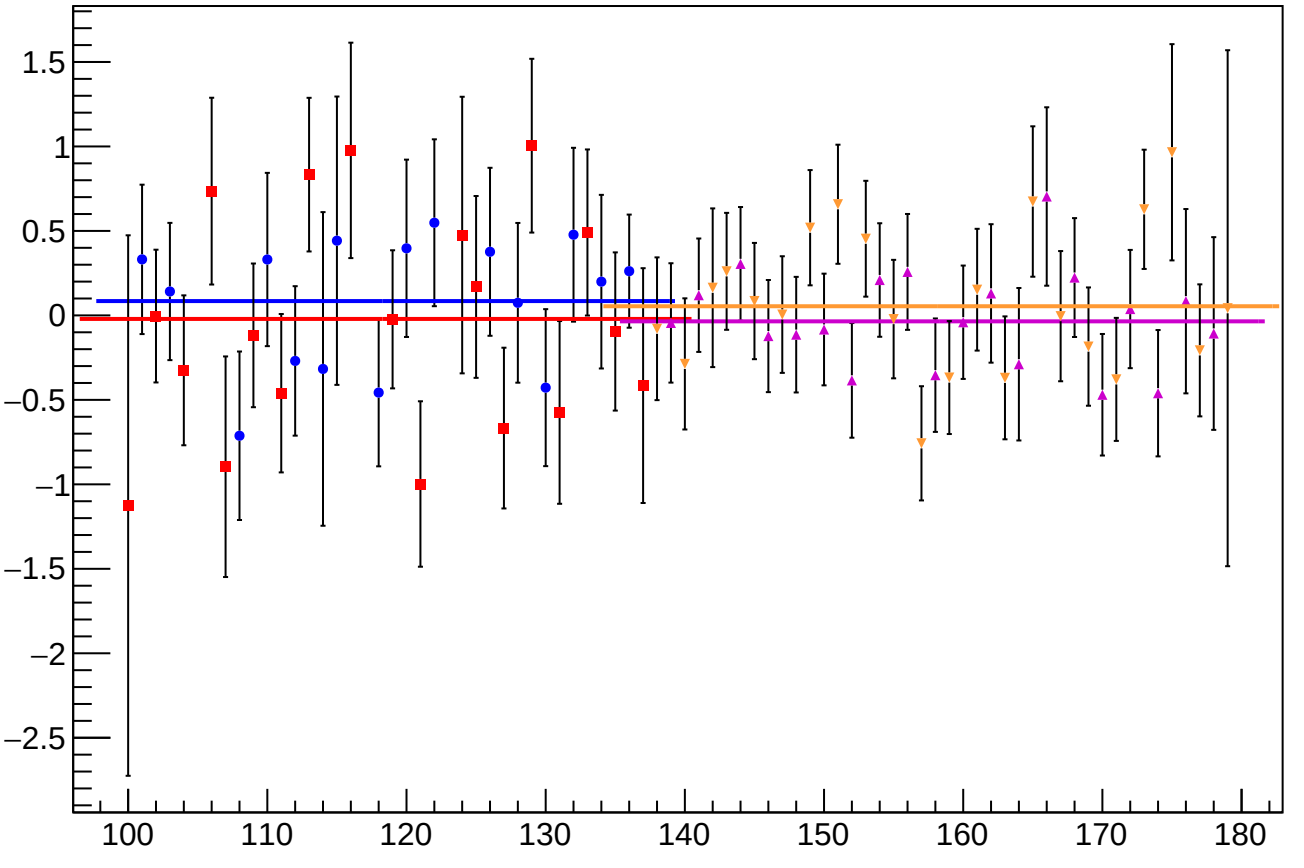
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.766+/-1.940 χ^2/NDF:50.8/35

Out: -6.943+/-1.883 χ^2/NDF:85.4/40

All: -3.202+/-1.351 χ^2/NDF: 144.3/76


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8460.739+/-1.444 χ²/NDF:415293.1/21
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8516.889+/-1.501 χ²/NDF:361267.8/19
Left: 8487.731+/-1.041 χ²/NDF: 777287.8/41
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9170.452+/-1.372 χ²/NDF:2183884.7/35
Out: 9144.906+/-1.332 χ²/NDF:2462701.4/40
All: 9157.302+/-0.955 χ²/NDF: 4646764.6/76



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.054+/-0.081 χ^2/NDF:25.3/21

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.035+/-0.082 χ^2/NDF:10.4/19

Left: 0.010+/-0.058 χ^2/NDF: 36.3/41

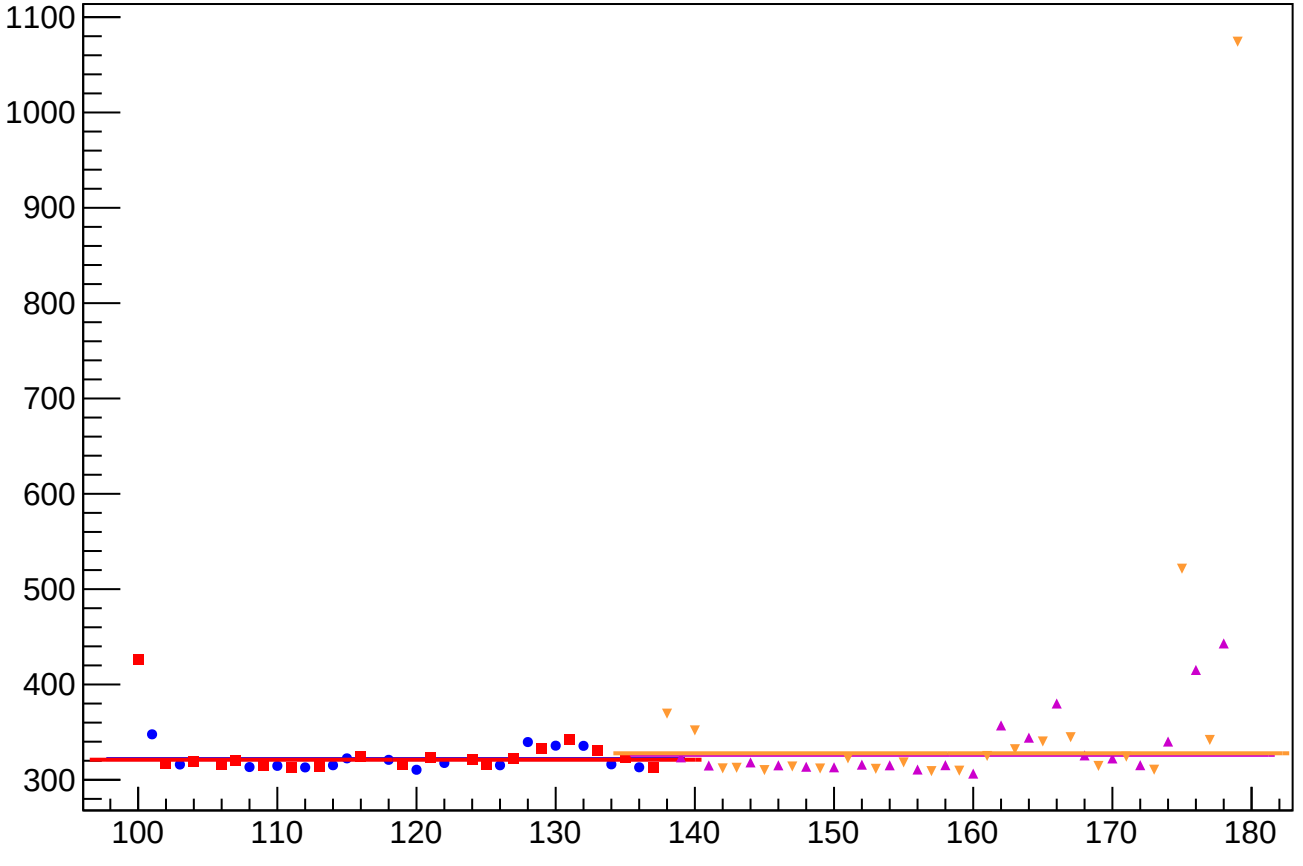
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.003+/-0.068 χ^2/NDF:20.5/35

Out: 0.030+/-0.067 χ^2/NDF:49.8/40

All: 0.017+/-0.048 χ^2/NDF: 70.4/76

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 327.830+/-0.057 χ^2/NDF:741608.2/21

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 326.194+/-0.058 χ^2/NDF:205861.9/19

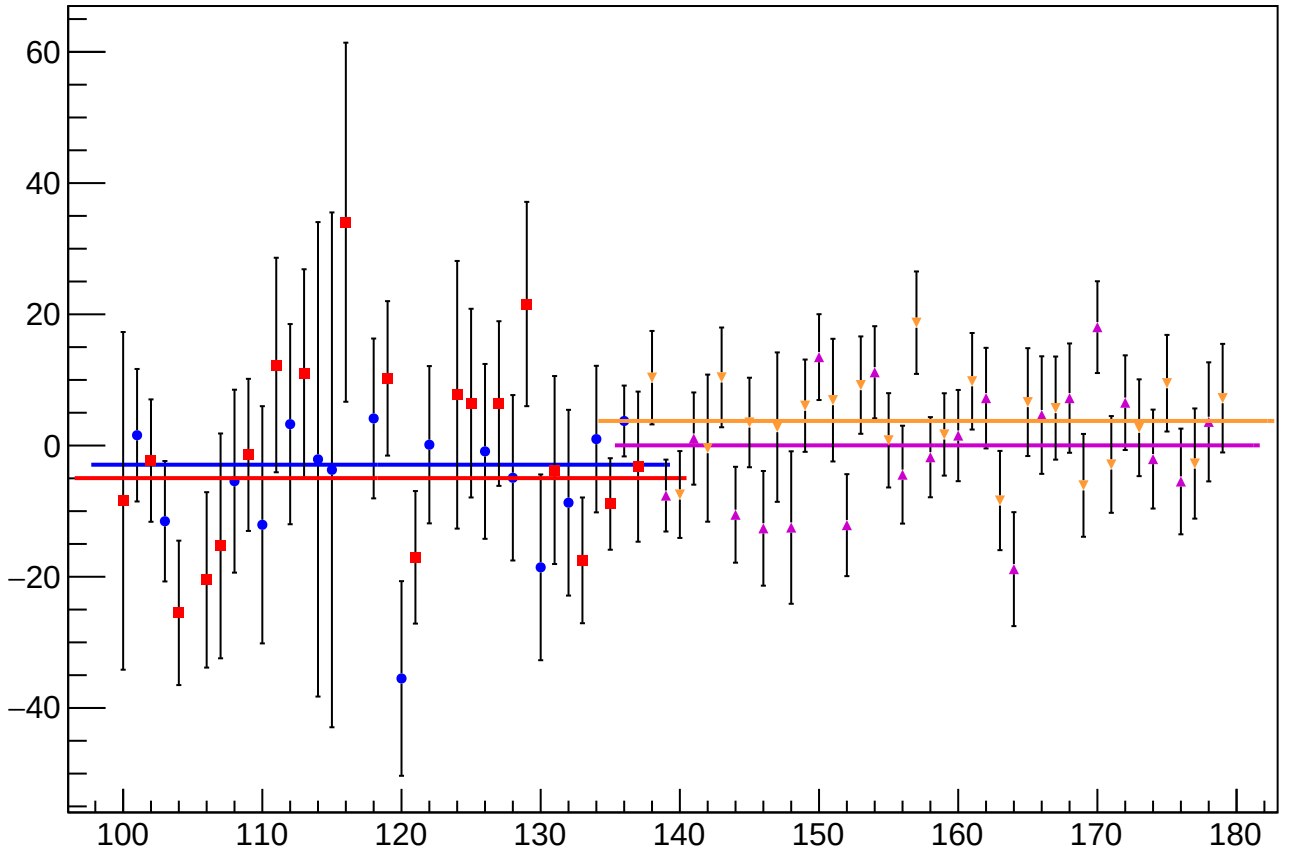
Left: 327.025+/-0.041 χ^2/NDF: 947873.5/41

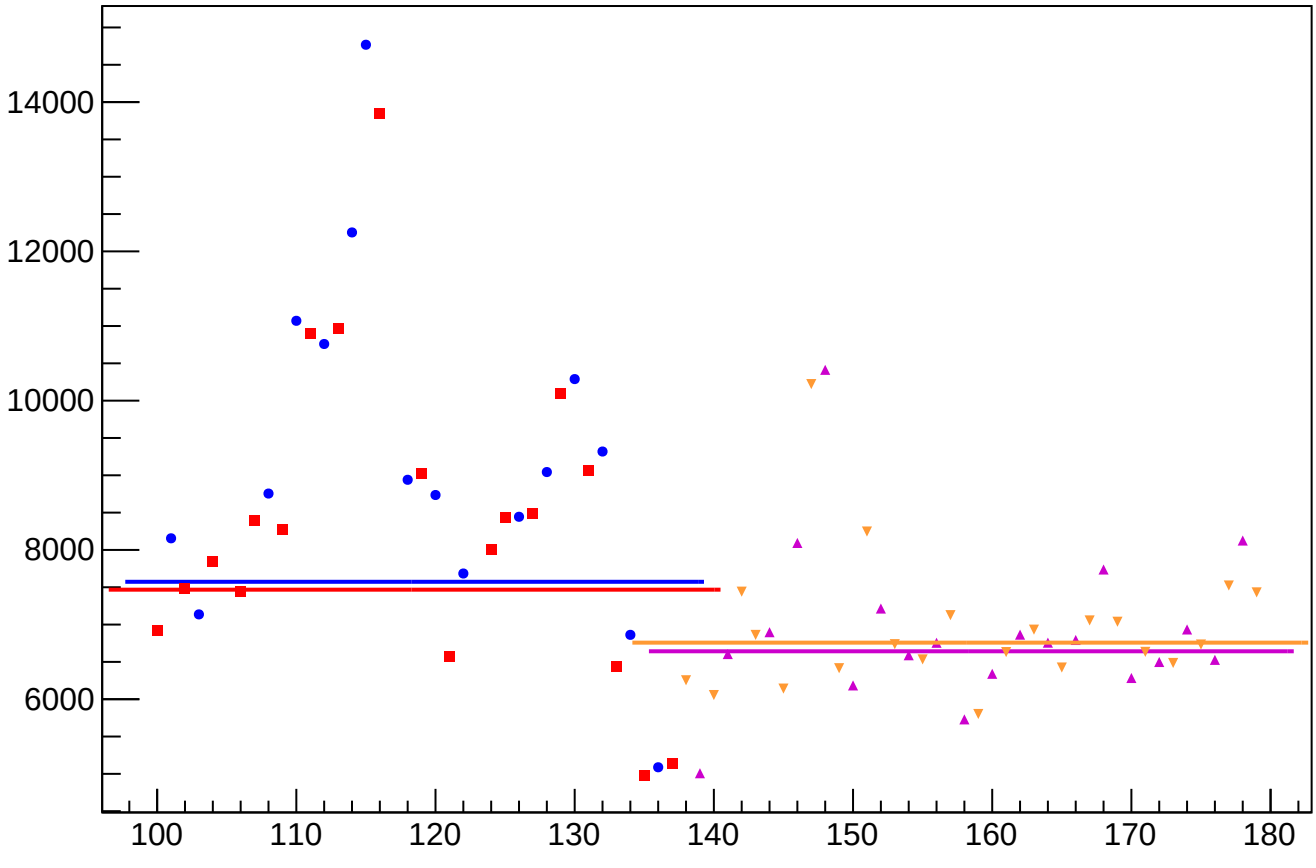
Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 324.772+/-0.048 χ^2/NDF:225960.5/35

Out: 325.667+/-0.047 χ^2/NDF:762652.3/40

All: 325.227+/-0.034 χ^2/NDF: 988790.0/76


diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: -2.922+/-2.910 χ²/NDF: 9.8/15
Left Out: 3.749+/-1.633 χ²/NDF:16.6/21
Right Out: -4.965+/-2.824 χ²/NDF: 19.4/18
Left In: 0.026+/-1.666 χ²/NDF:31.8/19
Left: 1.925+/-1.166 χ²/NDF: 50.9/41
Right: -3.974+/-2.027 χ²/NDF: 29.5/34
In: -0.702+/-1.446 χ²/NDF:42.4/35
Out: 1.566+/-1.413 χ²/NDF:43.1/40
All: 0.458+/-1.011 χ²/NDF: 86.8/76



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6757.962+/-1.154 χ^2/NDF:393505.5/21

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6642.098+/-1.178 χ^2/NDF:615870.4/19

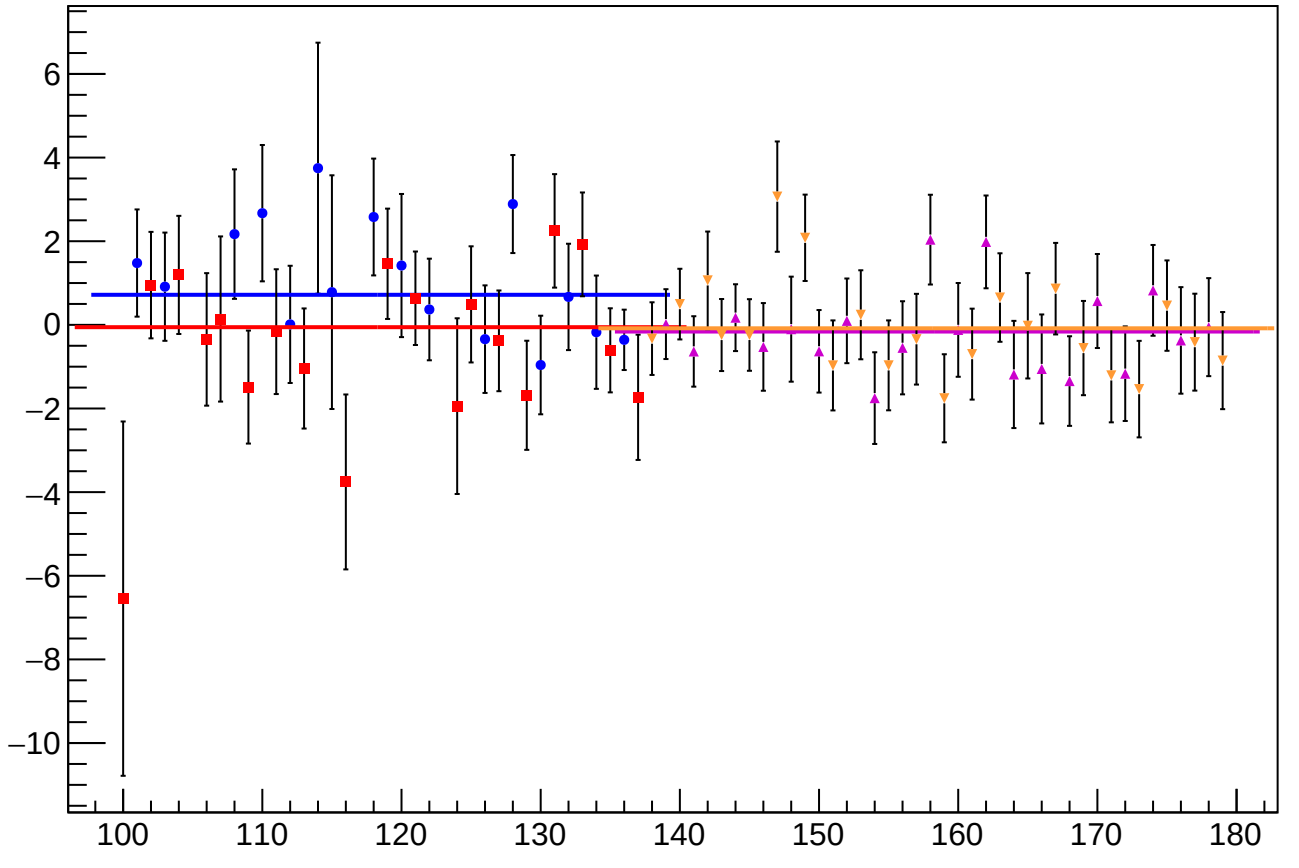
Left: 6701.197+/-0.824 χ^2/NDF: 1014311.4/41

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6871.850+/-1.022 χ^2/NDF:1667643.3/35

Out: 6935.686+/-0.999 χ^2/NDF:1316485.2/40

All: 6904.490+/-0.715 χ^2/NDF: 2986122.4/76



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.082+/-0.224 χ^2/NDF:20.8/21

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.160+/-0.236 χ^2/NDF:15.5/19

Left: -0.119+/-0.163 χ^2/NDF: 36.4/41

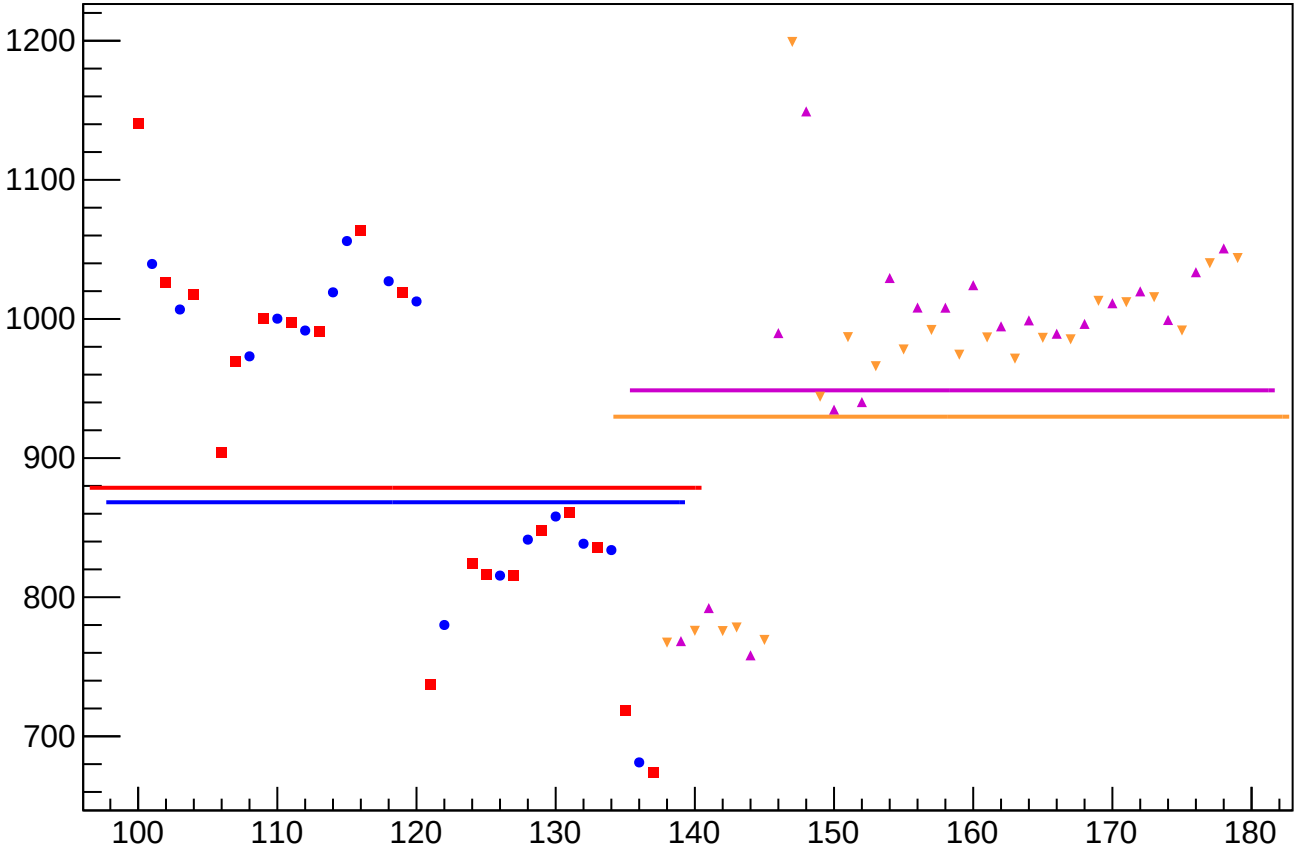
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.143+/-0.191 χ^2/NDF:35.1/35

Out: -0.074+/-0.184 χ^2/NDF:40.6/40

All: 0.031+/-0.133 χ^2/NDF: 76.4/76

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 929.764+/-0.158 χ^2/NDF:503895.8/21

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 948.702+/-0.167 χ^2/NDF:417295.7/19

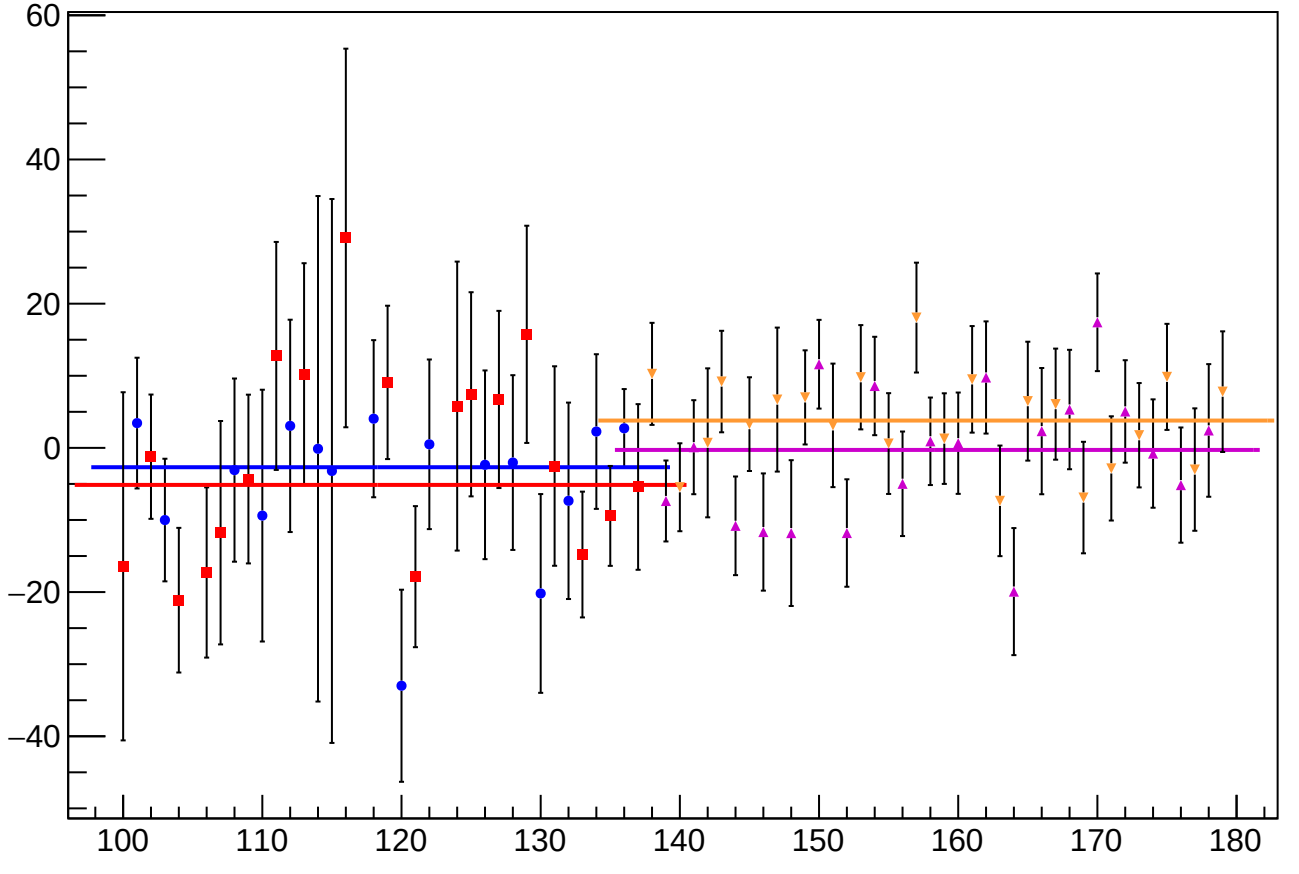
Left: 938.728+/-0.115 χ^2/NDF: 927956.5/41

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 920.982+/-0.135 χ^2/NDF:799574.2/35

Out: 913.190+/-0.130 χ^2/NDF:810182.3/40

All: 916.937+/-0.094 χ^2/NDF: 1611478.7/76



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.790+/-1.586 χ^2/NDF:16.0/21

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.285+/-1.627 χ^2/NDF:30.6/19

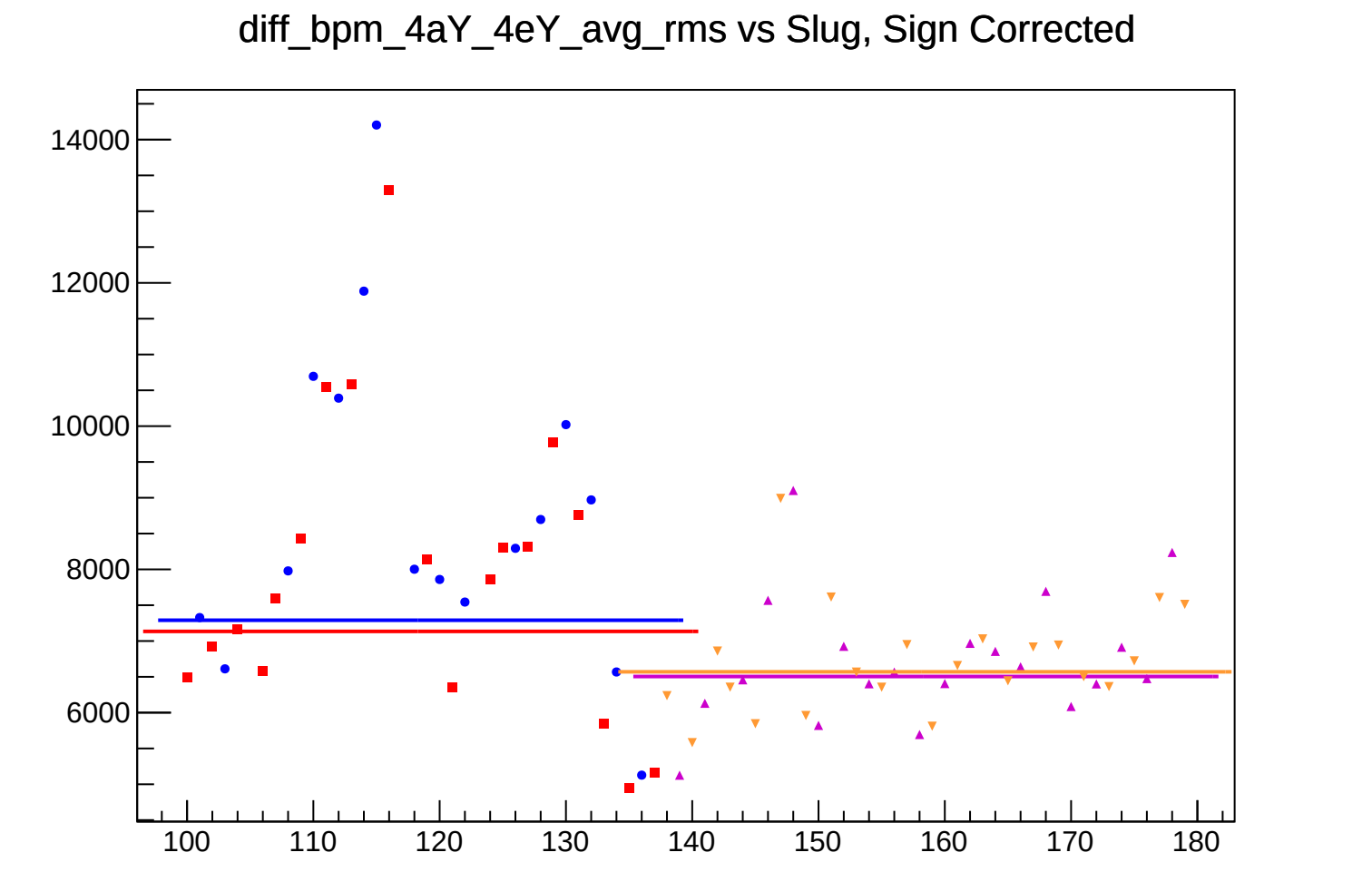
Left: 1.805+/-1.136 χ^2/NDF: 49.8/41

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.894+/-1.405 χ^2/NDF:41.2/35

Out: 1.491+/-1.366 χ^2/NDF:41.4/40

All: 0.332+/-0.980 χ^2/NDF: 84.1/76



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6570.167+/-1.121 χ^2/NDF:360524.5/21

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6504.569+/-1.151 χ^2/NDF:497804.3/19

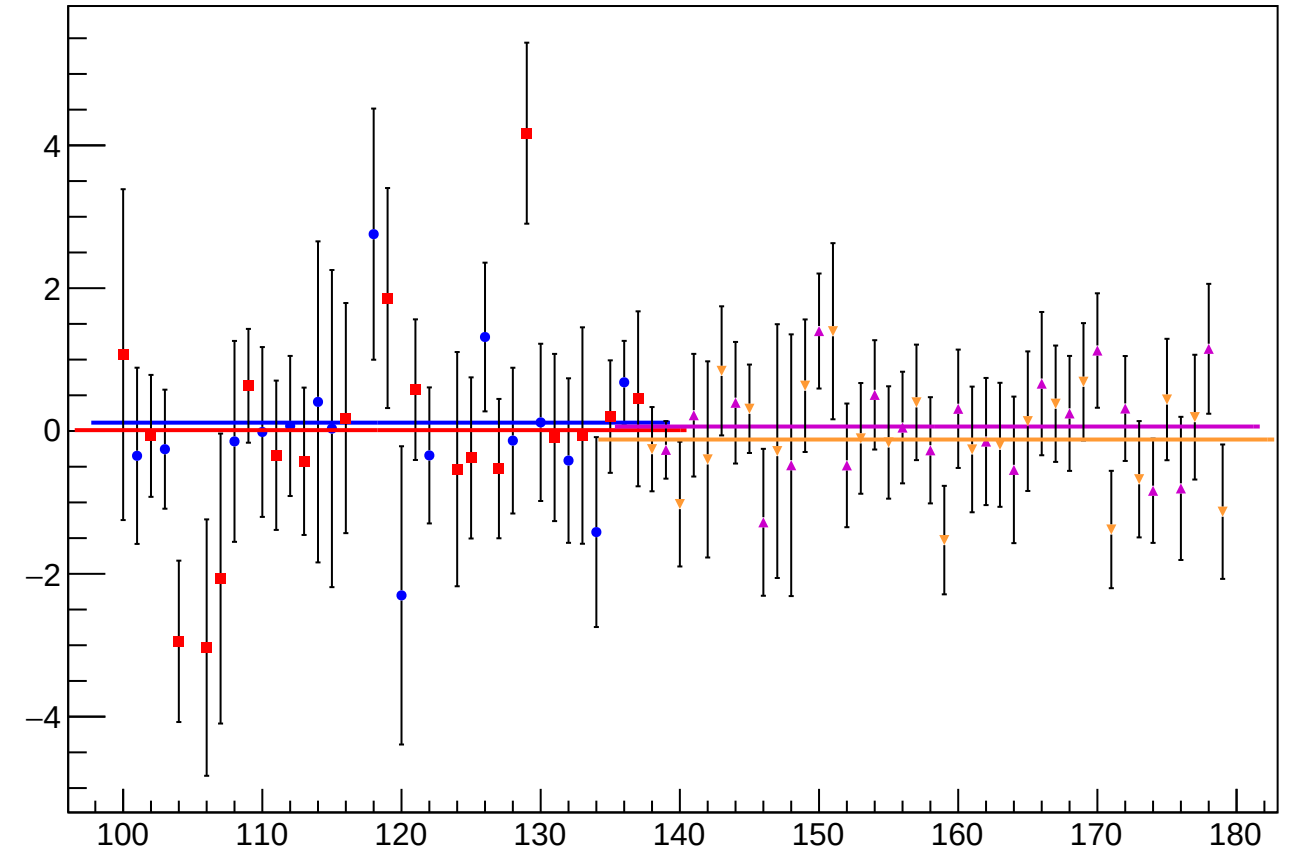
Left: 6538.219+/-0.803 χ^2/NDF: 859996.1/41

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6704.189+/-0.994 χ^2/NDF:1386782.3/35

Out: 6715.498+/-0.966 χ^2/NDF:1218550.1/40

All: 6710.003+/-0.693 χ^2/NDF: 2605399.0/76



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.119+/-0.181 χ^2/NDF:14.8/21

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.063+/-0.177 χ^2/NDF:12.8/19

Left: -0.027+/-0.126 χ^2/NDF: 28.1/41

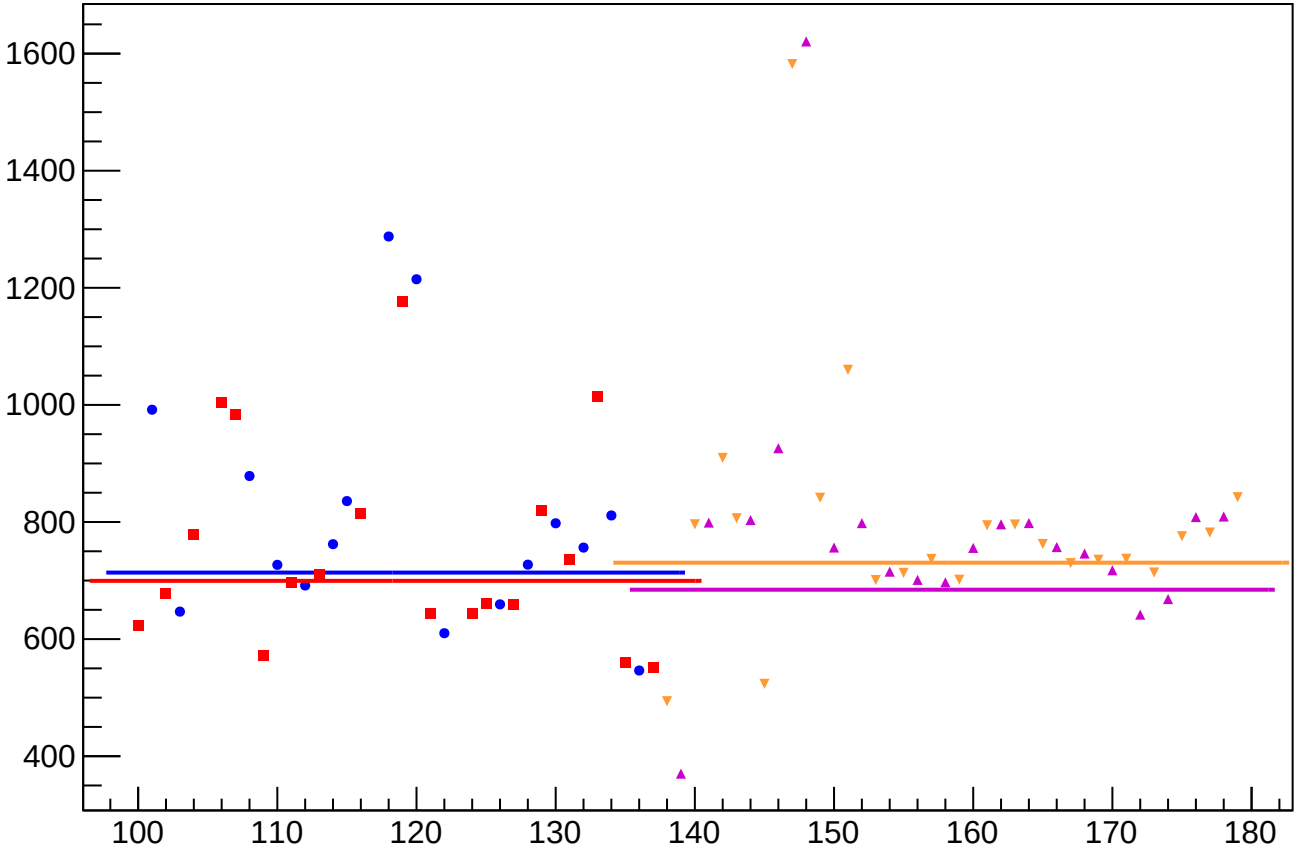
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.079+/-0.149 χ^2/NDF:20.9/35

Out: -0.077+/-0.149 χ^2/NDF:40.1/40

All: 0.001+/-0.105 χ^2/NDF: 61.6/76

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 730.535+/-0.128 χ^2/NDF:1308413.8/21

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 684.357+/-0.125 χ^2/NDF:2149237.2/19

Left: 707.018+/-0.089 χ^2/NDF: 3524304.9/41

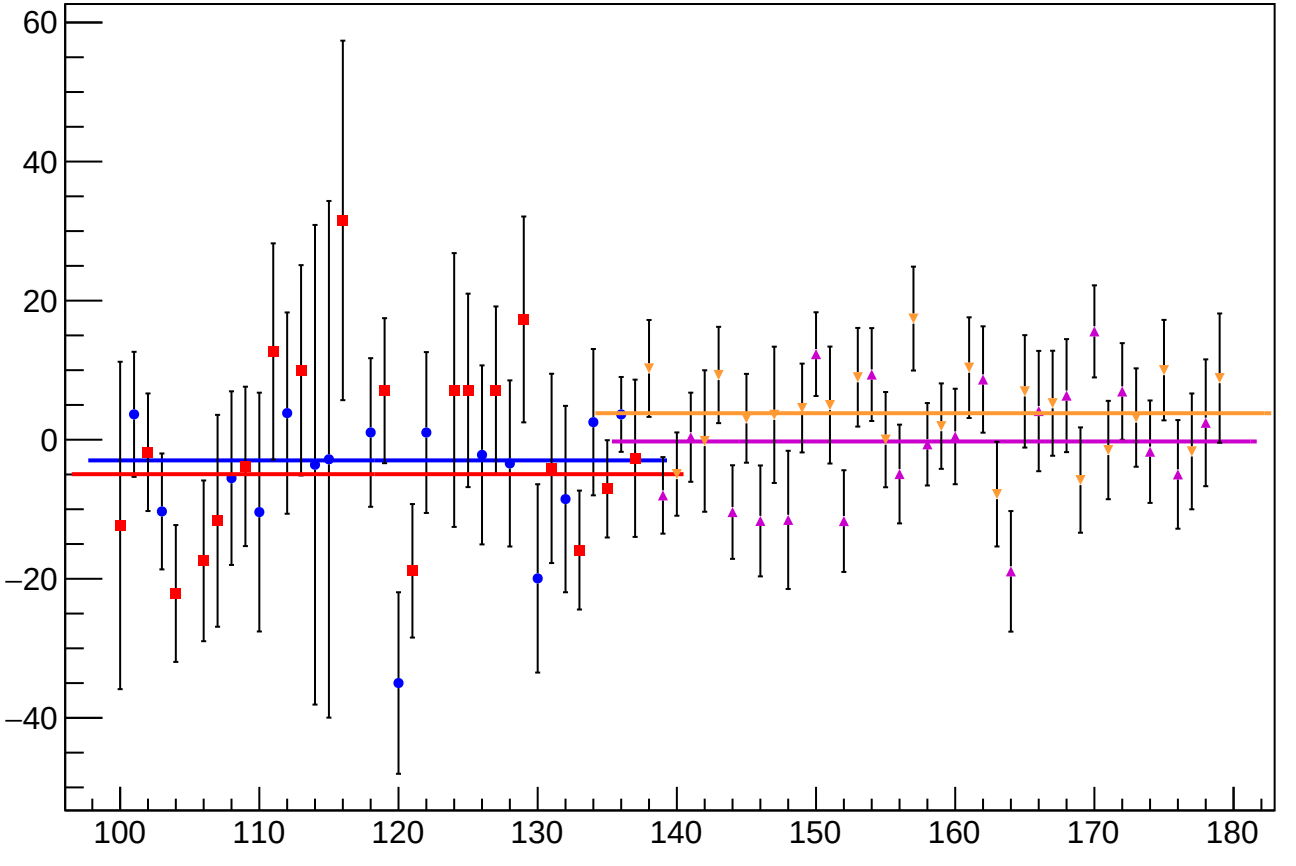
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 693.026+/-0.105 χ^2/NDF:2864703.4/35

Out: 720.608+/-0.105 χ^2/NDF:1903081.6/40

All: 706.798+/-0.074 χ^2/NDF: 4802161.4/76

diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.812+/-1.561 χ^2/NDF:15.1/21

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -0.252+/-1.596 χ^2/NDF:31.1/19

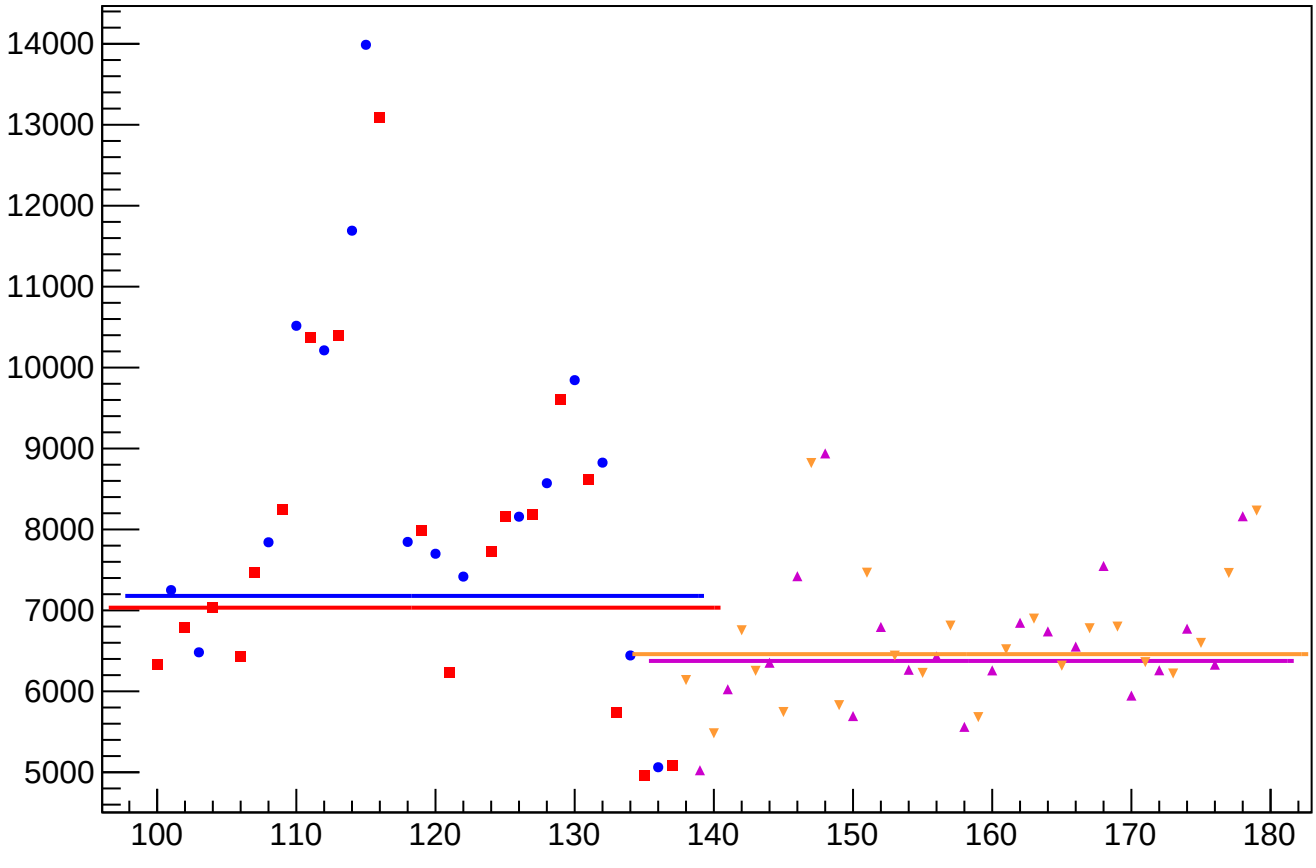
Left: 1.824+/-1.116 χ^2/NDF: 49.6/41

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -0.939+/-1.380 χ^2/NDF:43.4/35

Out: 1.557+/-1.345 χ^2/NDF:41.7/40

All: 0.340+/-0.963 χ^2/NDF: 86.8/76



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6459.446+/-1.104 χ^2/NDF:409608.4/21

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6375.423+/-1.128 χ^2/NDF:510647.8/19

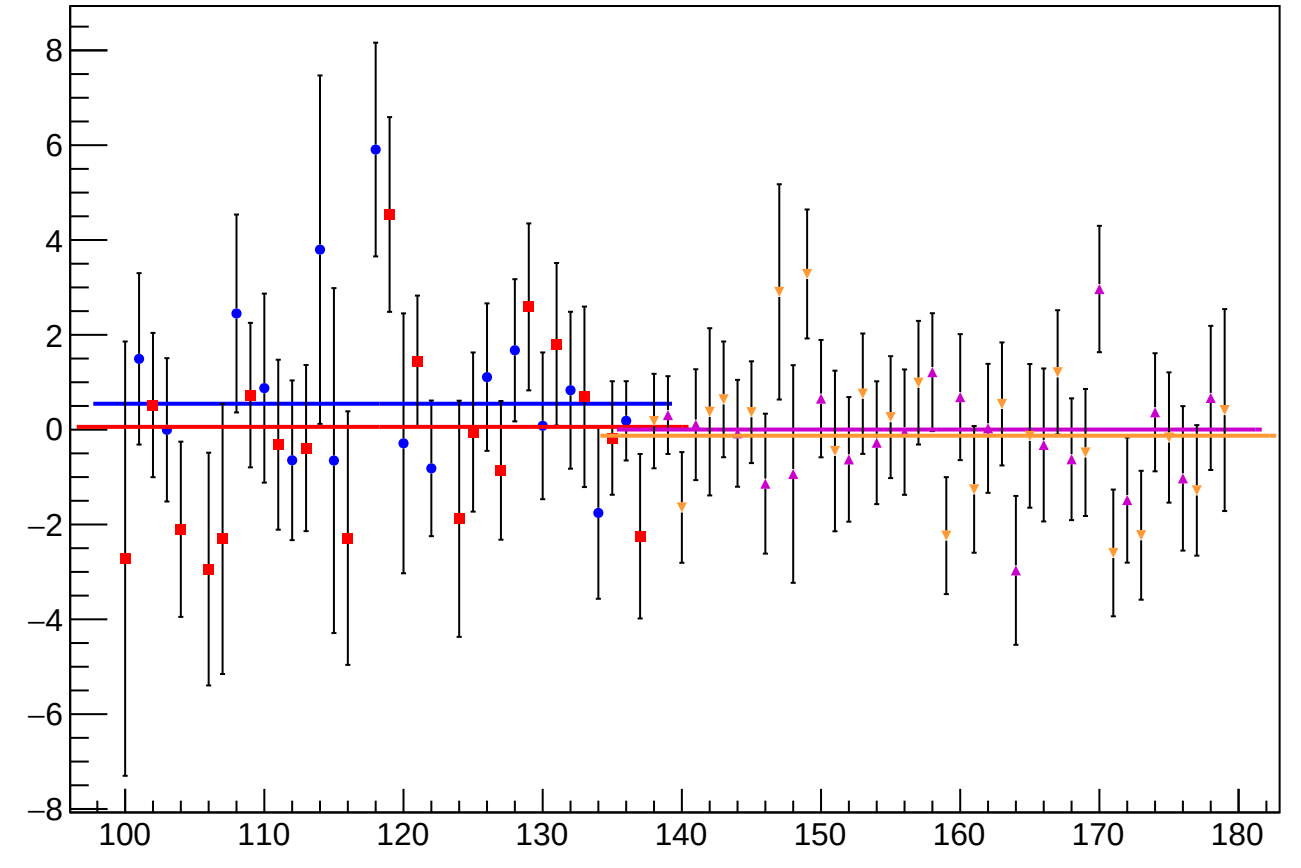
Left: 6418.351+/-0.789 χ^2/NDF: 923089.7/41

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6578.227+/-0.976 χ^2/NDF:1400597.7/35

Out: 6607.088+/-0.951 χ^2/NDF:1245554.7/40

All: 6593.018+/-0.681 χ^2/NDF: 2646601.0/76



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.127+/-0.286 χ^2/NDF:23.5/21

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.003+/-0.290 χ^2/NDF:13.5/19

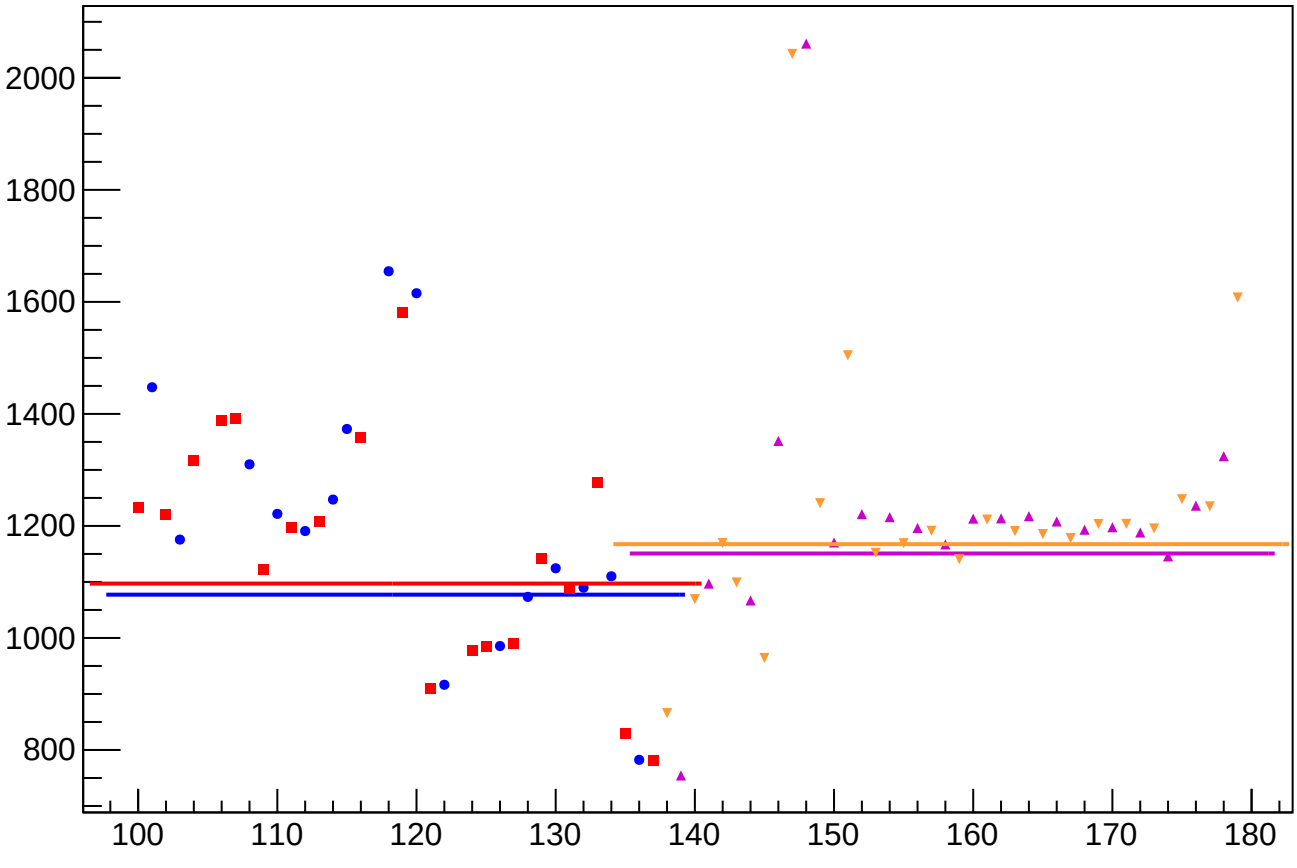
Left: -0.063+/-0.204 χ^2/NDF: 37.1/41

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.184+/-0.237 χ^2/NDF:26.6/35

Out: -0.066+/-0.234 χ^2/NDF:40.5/40

All: 0.057+/-0.167 χ^2/NDF: 67.6/76



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1167.503+/-0.202 χ^2/NDF:763931.2/21

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1150.799+/-0.205 χ^2/NDF:901714.7/19

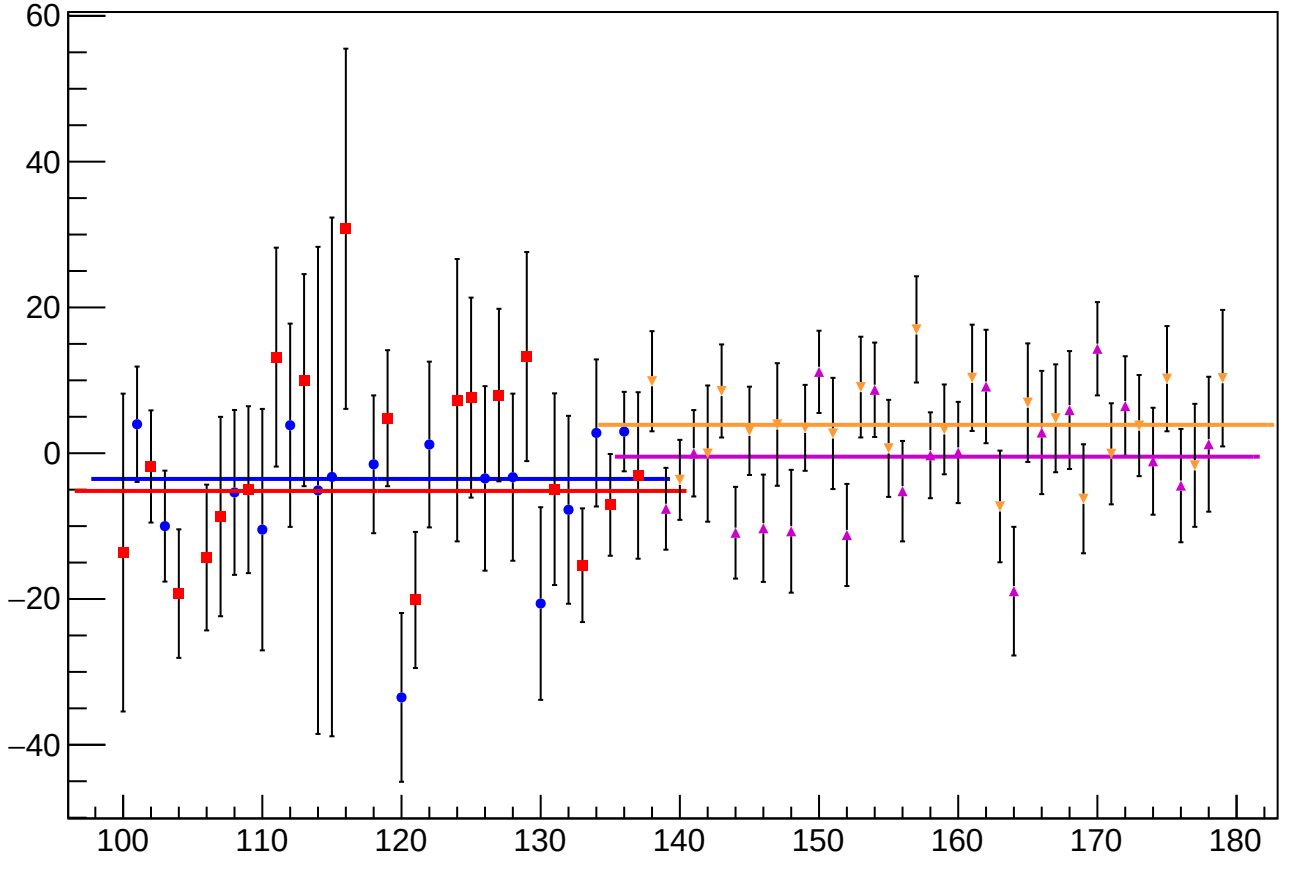
Left: 1159.295+/-0.144 χ^2/NDF: 1669009.8/41

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1126.307+/-0.168 χ^2/NDF:1590900.6/35

Out: 1144.426+/-0.166 χ^2/NDF:1288157.2/40

All: 1135.486+/-0.118 χ^2/NDF: 2884970.2/76



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.895+/-1.508 χ^2/NDF:14.4/21

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.472+/-1.551 χ^2/NDF:30.1/19

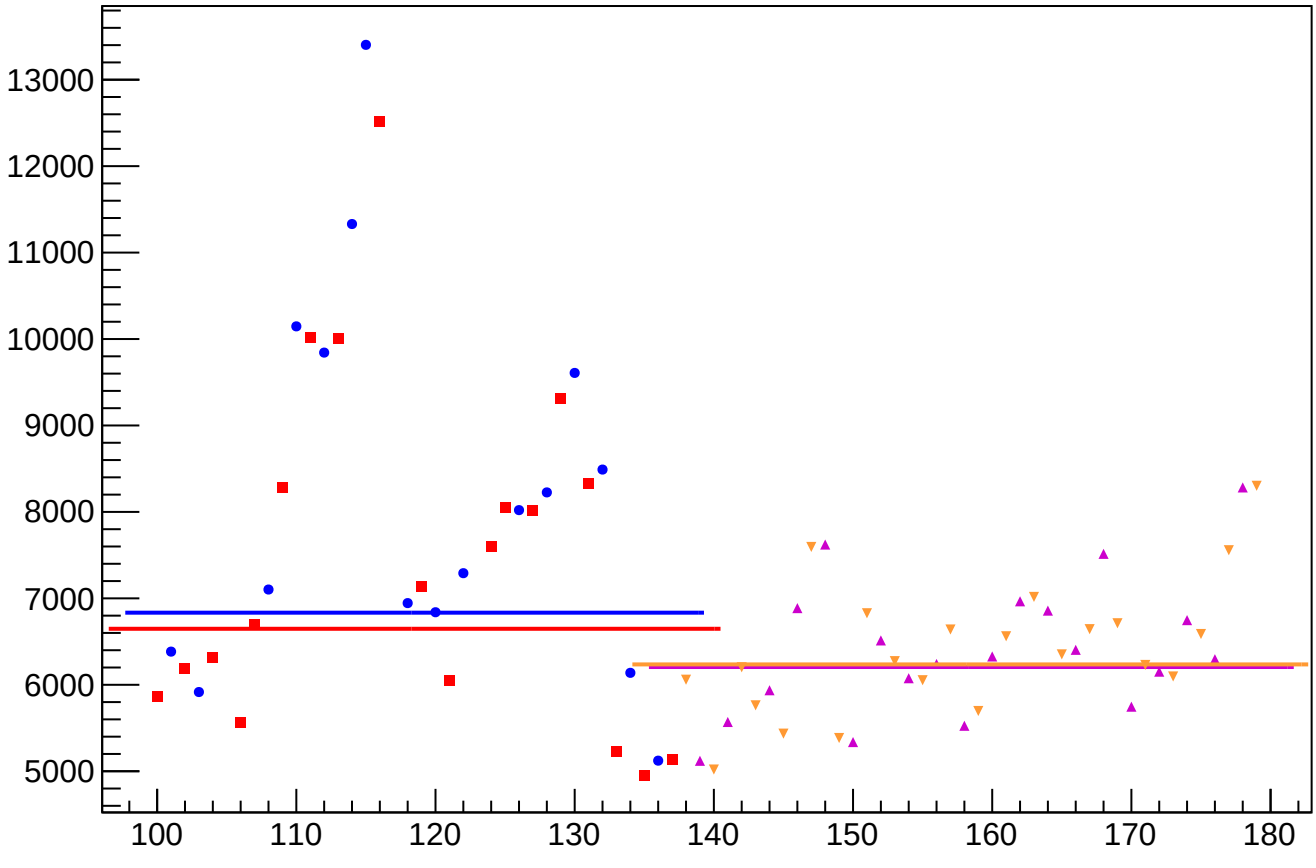
Left: 1.773+/-1.081 χ^2/NDF: 48.5/41

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.271+/-1.333 χ^2/NDF:43.7/35

Out: 1.486+/-1.292 χ^2/NDF:42.2/40

All: 0.151+/-0.928 χ^2/NDF: 88.1/76



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6235.853+/-1.066 χ^2/NDF:465832.2/21

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6205.766+/-1.097 χ^2/NDF:460255.2/19

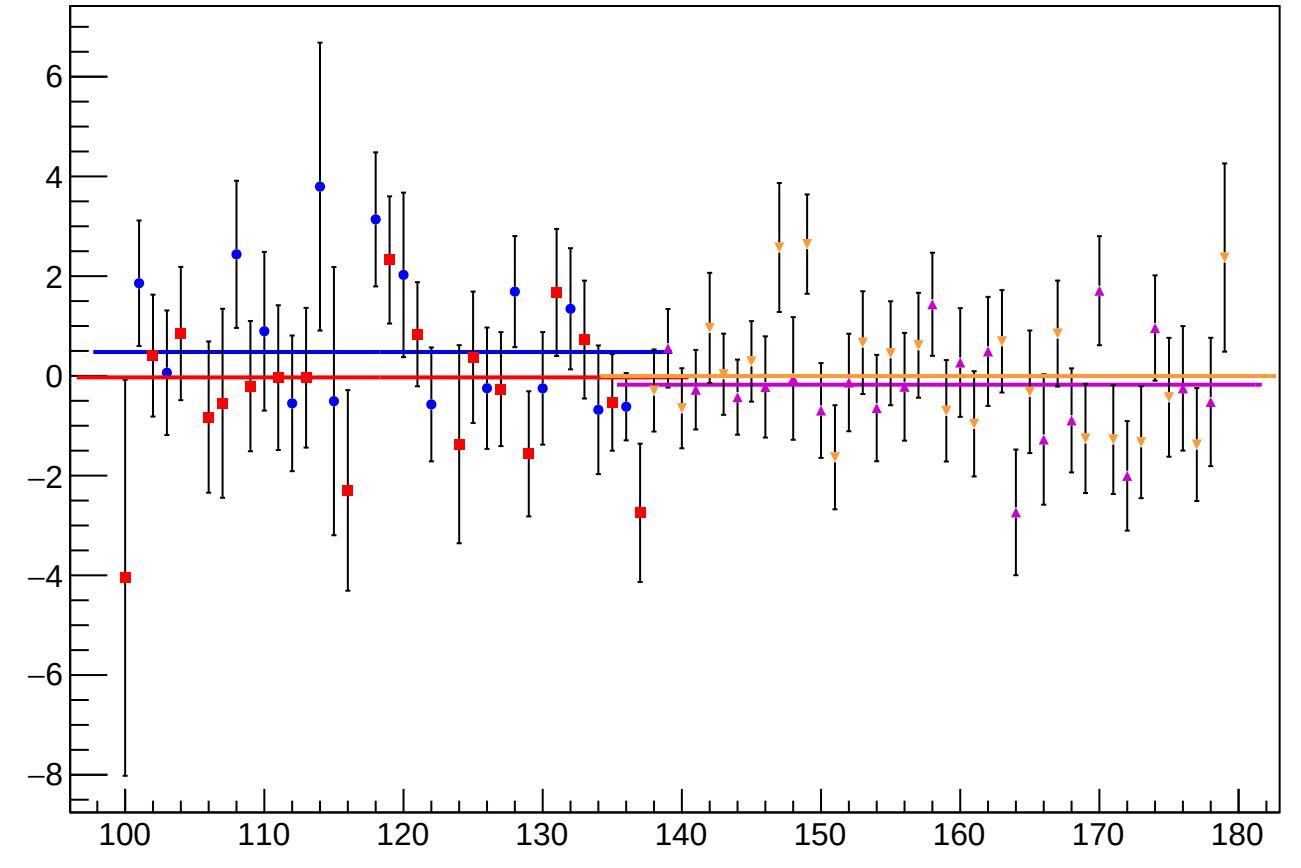
Left: 6221.235+/-0.765 χ^2/NDF: 926474.2/41

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6370.029+/-0.943 χ^2/NDF:1238788.0/35

Out: 6345.298+/-0.914 χ^2/NDF:1290603.6/40

All: 6357.278+/-0.656 χ^2/NDF: 2529746.5/76



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.003+/-0.219 χ^2/NDF:25.8/21

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.177+/-0.229 χ^2/NDF:16.7/19

Left: -0.086+/-0.159 χ^2/NDF: 42.8/41

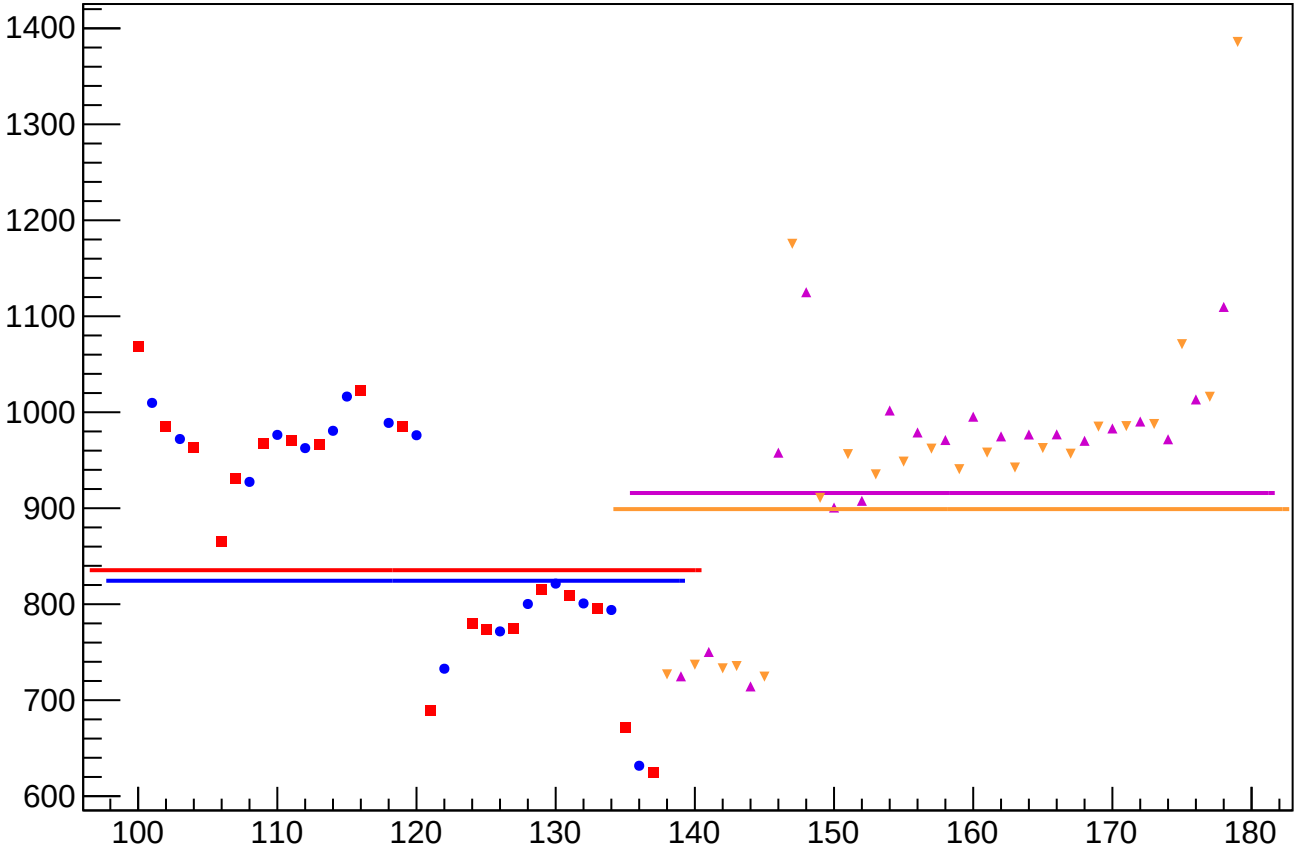
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.054+/-0.185 χ^2/NDF:36.4/35

Out: -0.013+/-0.179 χ^2/NDF:41.5/40

All: 0.020+/-0.128 χ^2/NDF: 77.9/76

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 899.081+/-0.155 χ^2/NDF:758029.5/21

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 915.857+/-0.162 χ^2/NDF:545495.6/19

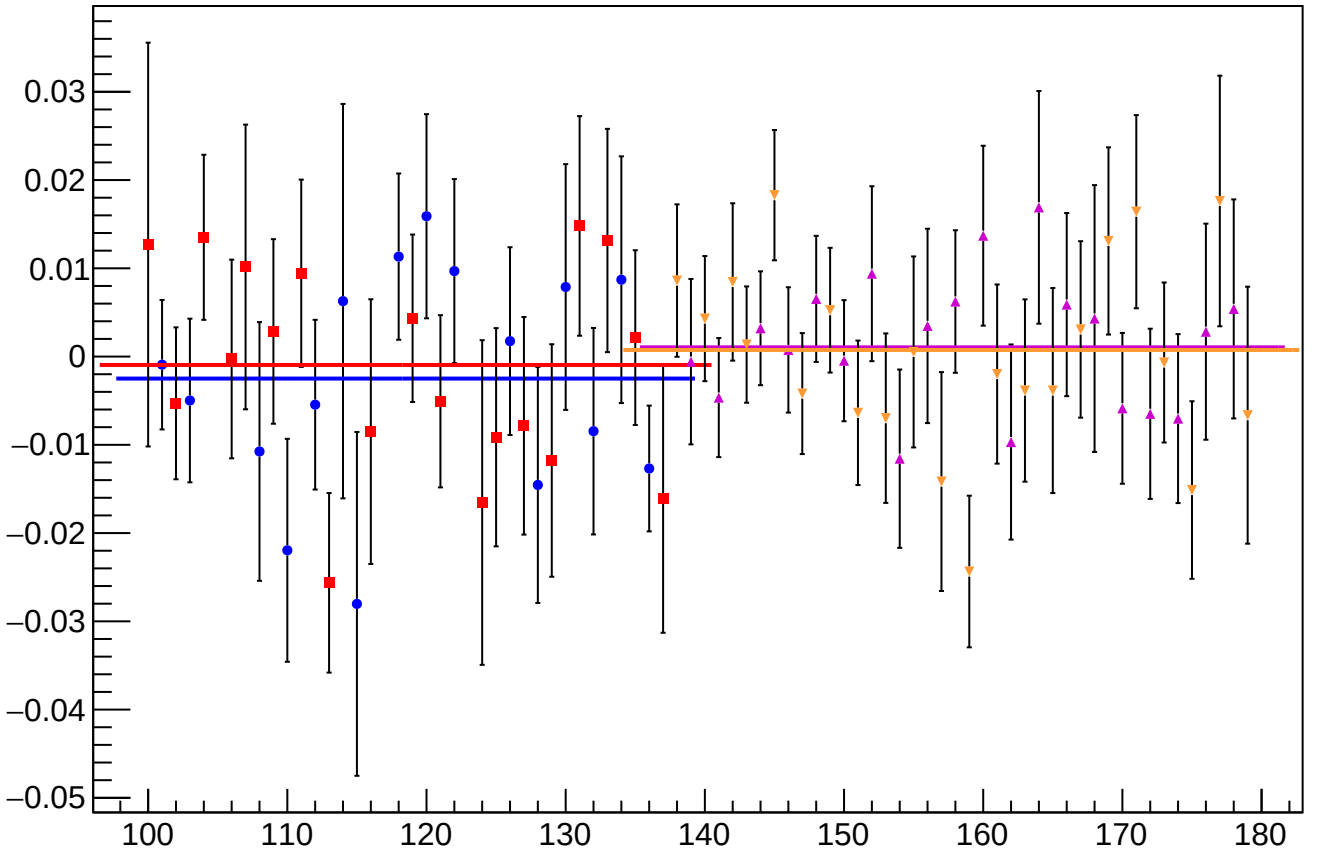
Left: 907.100+/-0.112 χ^2/NDF: 1309113.4/41

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

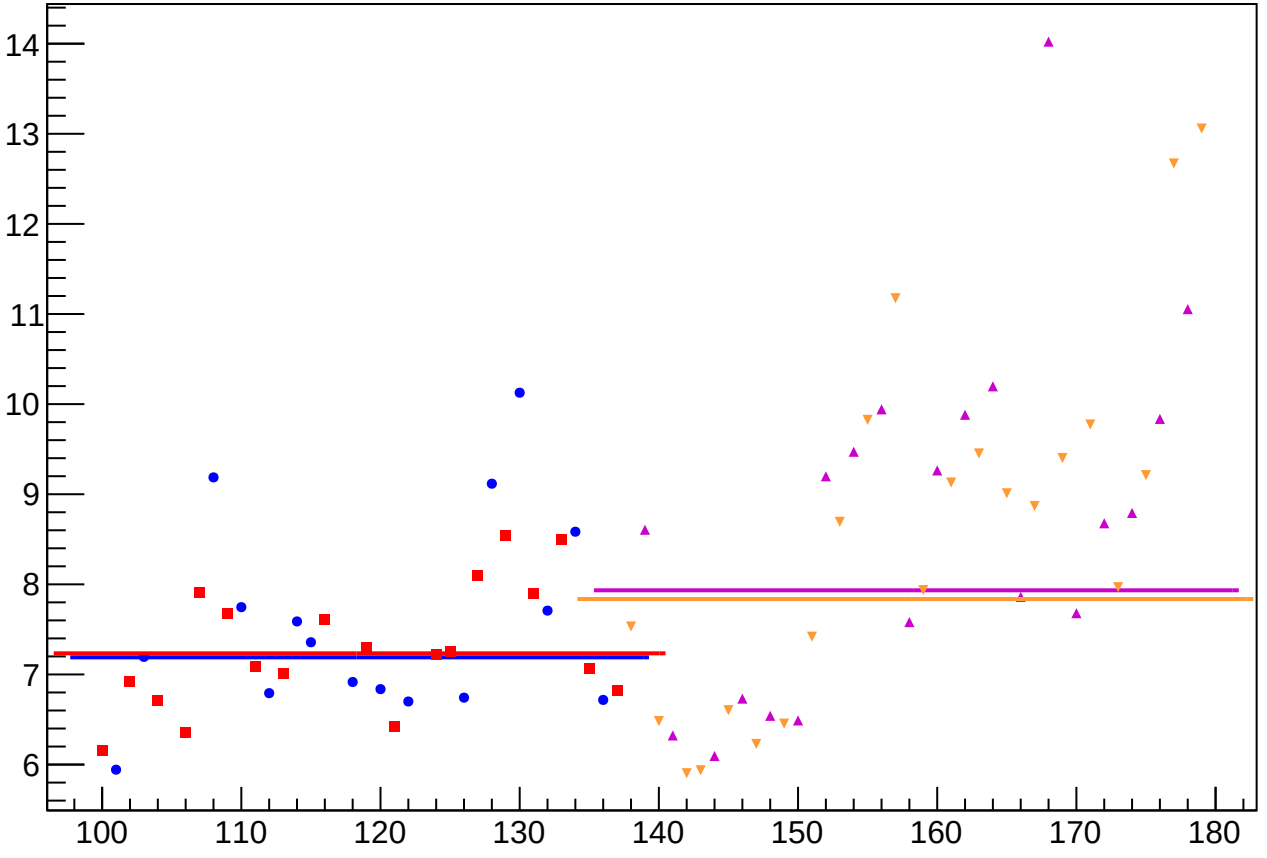
In: 883.634+/-0.130 χ^2/NDF:1023030.2/35

Out: 877.704+/-0.126 χ^2/NDF:1133846.6/40

All: 880.576+/-0.091 χ^2/NDF: 2157942.0/76


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
Right In: -0.002+/-0.003 χ²/NDF: 15.3/15
Left Out: 0.001+/-0.002 χ²/NDF:27.9/21
Right Out: -0.001+/-0.003 χ²/NDF: 17.3/18
Left In: 0.001+/-0.002 χ²/NDF:10.5/19
Left: 0.001+/-0.001 χ²/NDF: 38.4/41
Right: -0.002+/-0.002 χ²/NDF: 32.8/34
In: -0.000+/-0.002 χ²/NDF:26.9/35
Out: 0.000+/-0.002 χ²/NDF:45.4/40
All: -0.000+/-0.001 χ²/NDF: 72.4/76

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.837+/-0.001 χ^2/NDF:1568245.0/21

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.934+/-0.001 χ^2/NDF:1342229.7/19

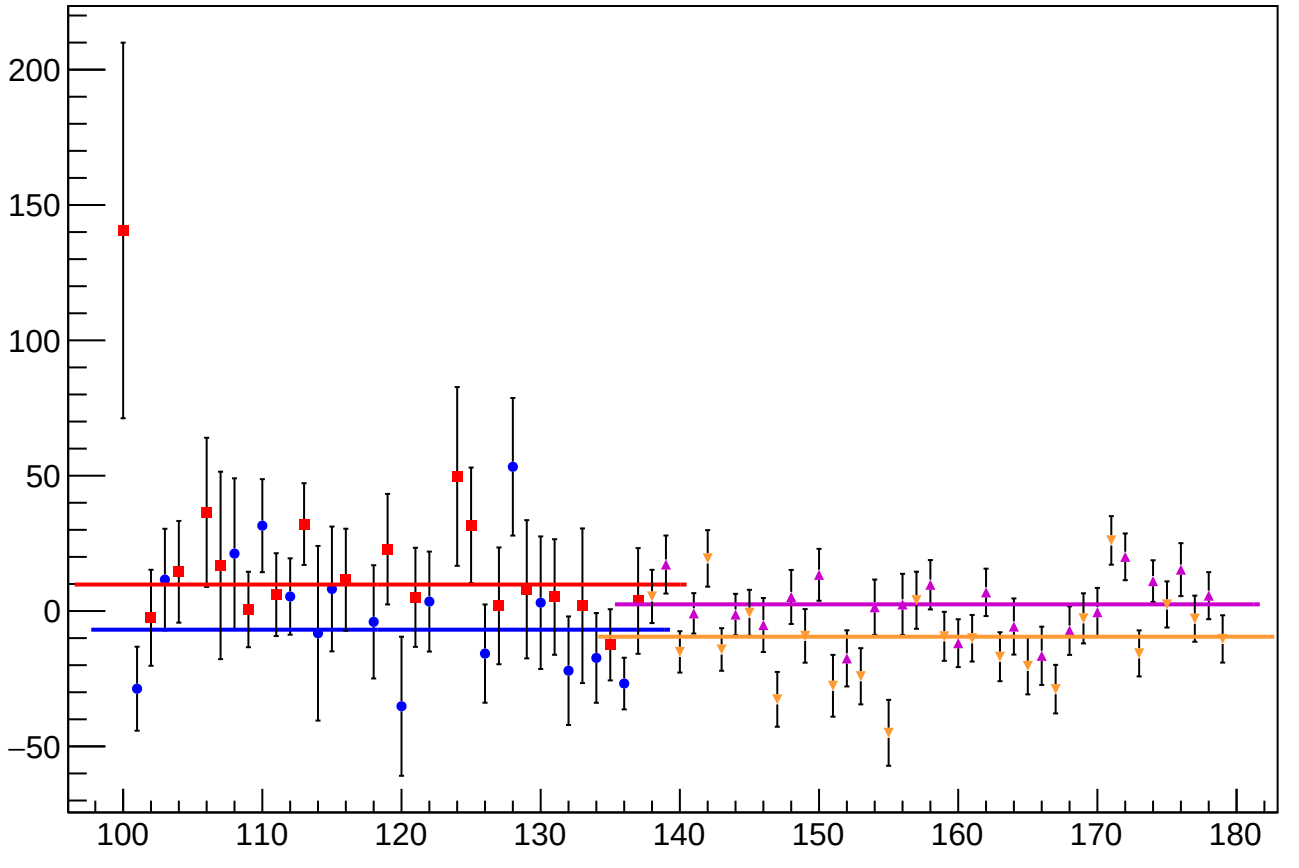
Left: 7.883+/-0.001 χ^2/NDF: 2912889.5/41

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

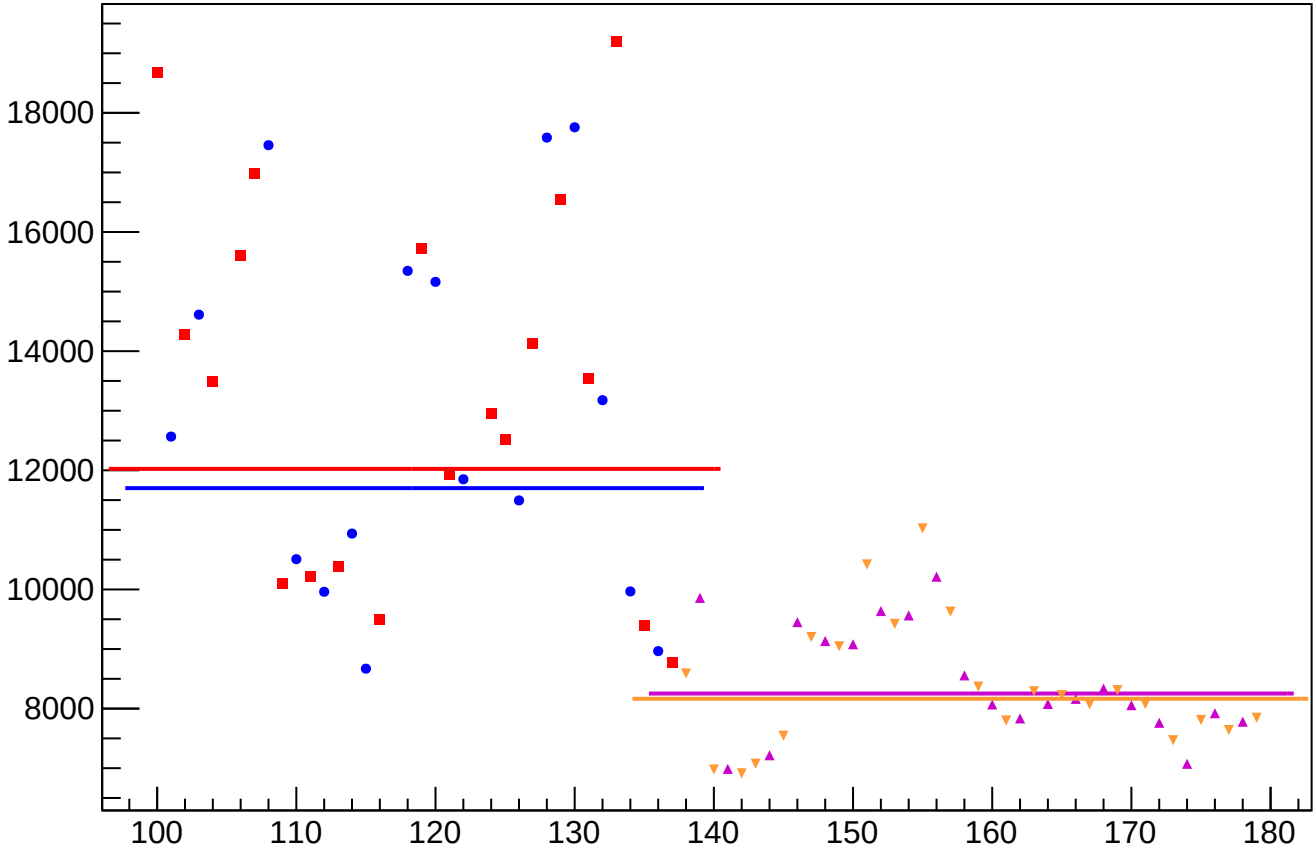
In: 7.670+/-0.001 χ^2/NDF:1717135.6/35

Out: 7.629+/-0.001 χ^2/NDF:1741757.7/40

All: 7.649+/-0.001 χ^2/NDF: 3459544.0/76


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -9.483+/-1.971 χ²/NDF:57.6/21
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 2.470+/-2.058 χ²/NDF:23.8/19
Left: -3.763+/-1.423 χ²/NDF: 98.9/41
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: 0.844+/-1.871 χ²/NDF:50.4/35
Out: -6.401+/-1.807 χ²/NDF:86.8/40
All: -2.904+/-1.300 χ²/NDF: 145.0/76

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8165.072+/-1.394 χ^2/NDF:456118.3/21

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8253.177+/-1.455 χ^2/NDF:398415.7/19

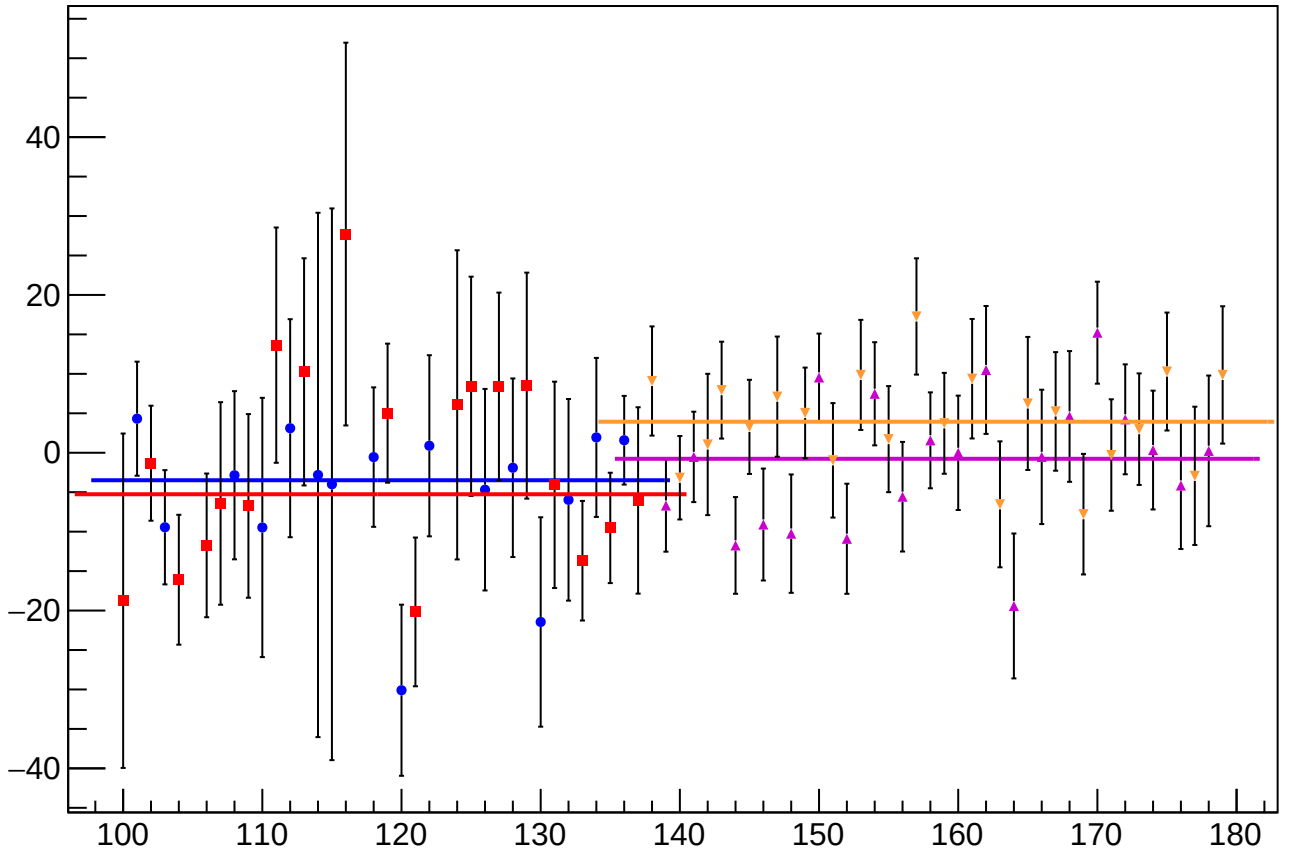
Left: 8207.229+/-1.007 χ^2/NDF: 856445.9/41

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8851.977+/-1.323 χ^2/NDF:2113576.3/35

Out: 8782.332+/-1.277 χ^2/NDF:2367103.2/40

All: 8815.944+/-0.919 χ^2/NDF: 4482113.9/76



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.933+/-1.504 χ^2/NDF:14.6/21

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.766+/-1.560 χ^2/NDF:28.3/19

Left: 1.669+/-1.083 χ^2/NDF: 47.6/41

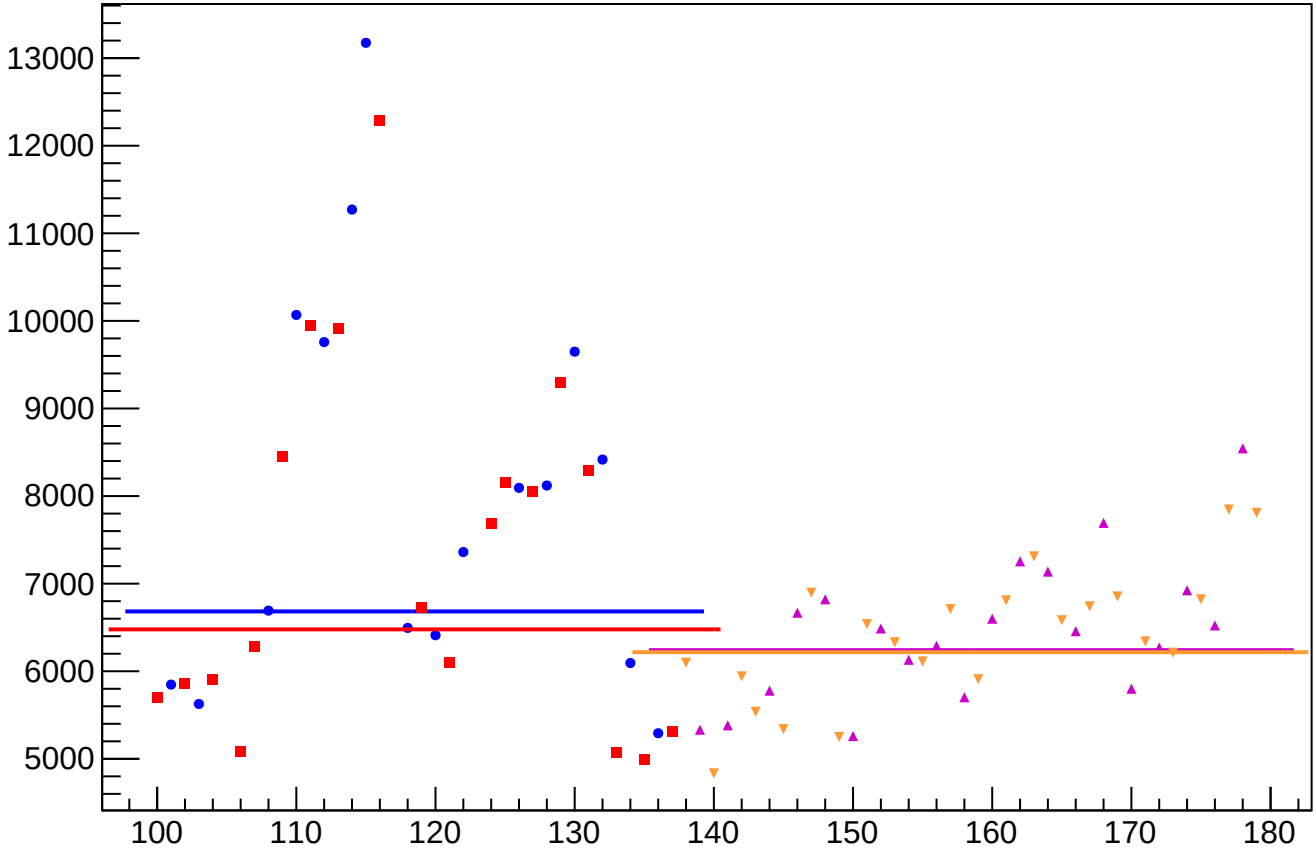
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.506+/-1.330 χ^2/NDF:40.6/35

Out: 1.411+/-1.281 χ^2/NDF:41.4/40

All: 0.007+/-0.923 χ^2/NDF: 84.5/76

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6217.409+/-1.063 χ^2/NDF:525649.4/21

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6240.711+/-1.103 χ^2/NDF:467537.6/19

Left: 6228.637+/-0.766 χ^2/NDF: 993418.3/41

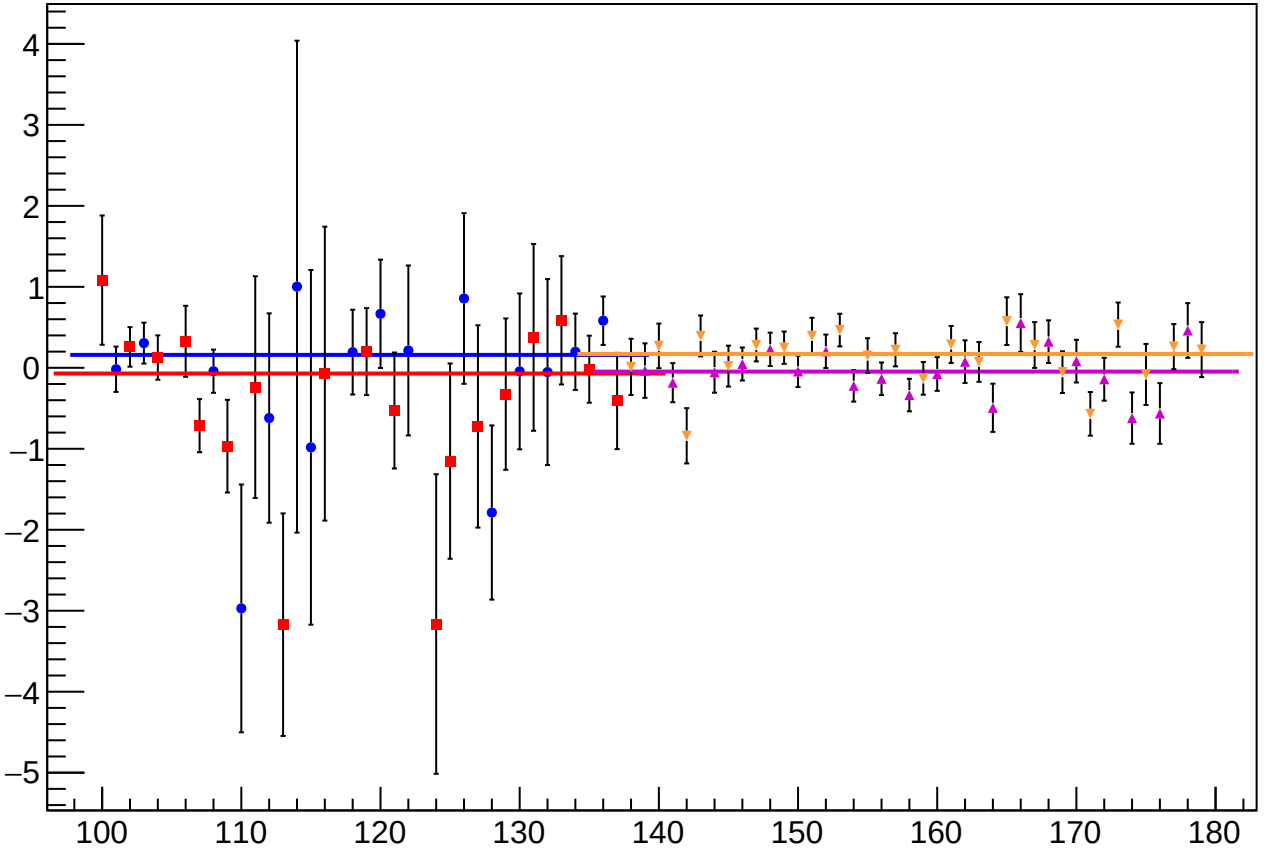
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6361.133+/-0.941 χ^2/NDF:1203533.1/35

Out: 6288.922+/-0.906 χ^2/NDF:1381361.6/40

All: 6323.668+/-0.653 χ^2/NDF: 2587951.7/76

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.171+/-0.053 χ^2/NDF:29.2/21

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.047+/-0.054 χ^2/NDF:22.0/19

Left: 0.065+/-0.038 χ^2/NDF: 59.5/41

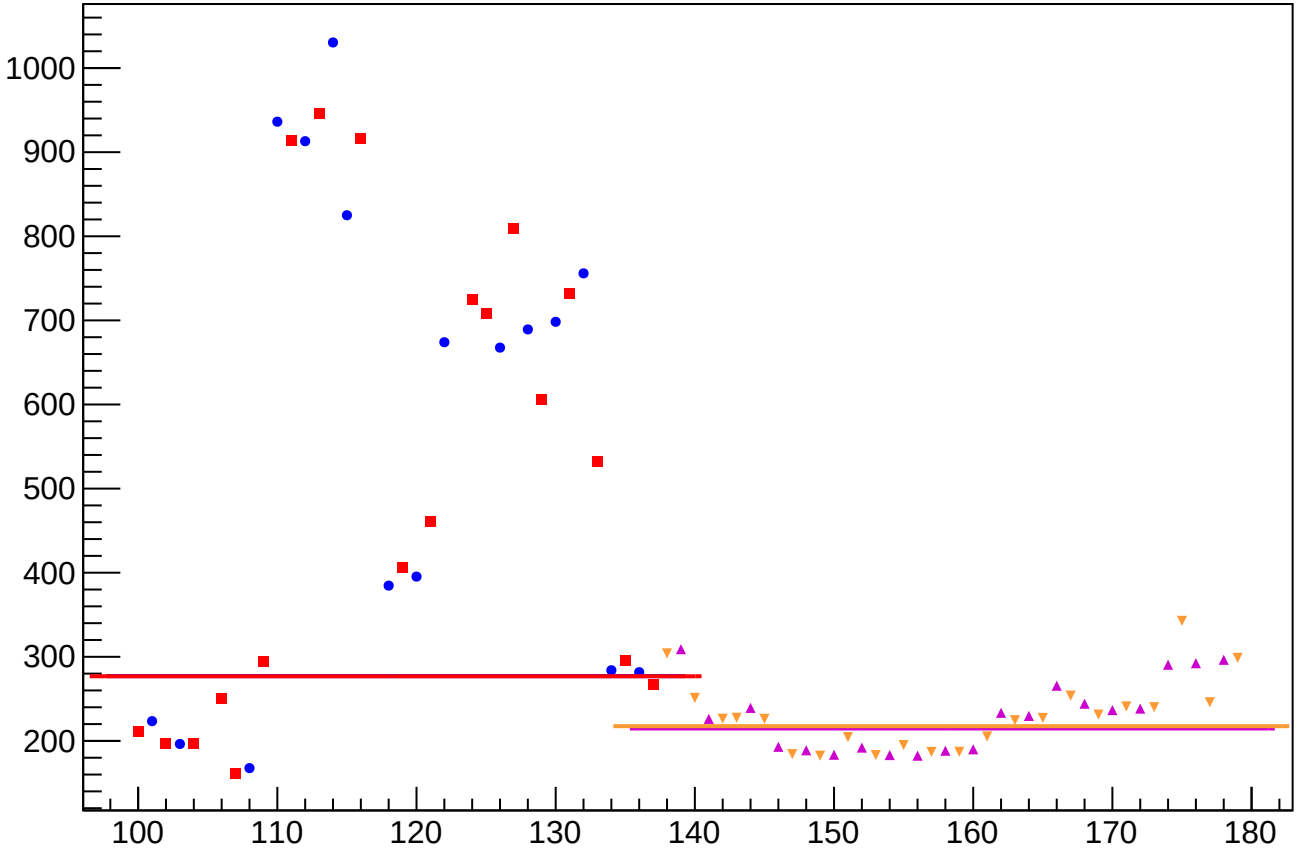
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.012+/-0.049 χ^2/NDF:37.0/35

Out: 0.132+/-0.048 χ^2/NDF:55.1/40

All: 0.061+/-0.035 χ^2/NDF: 96.4/76

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 217.546+/-0.037 χ^2/NDF:886557.3/21

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 214.776+/-0.038 χ^2/NDF:905406.6/19

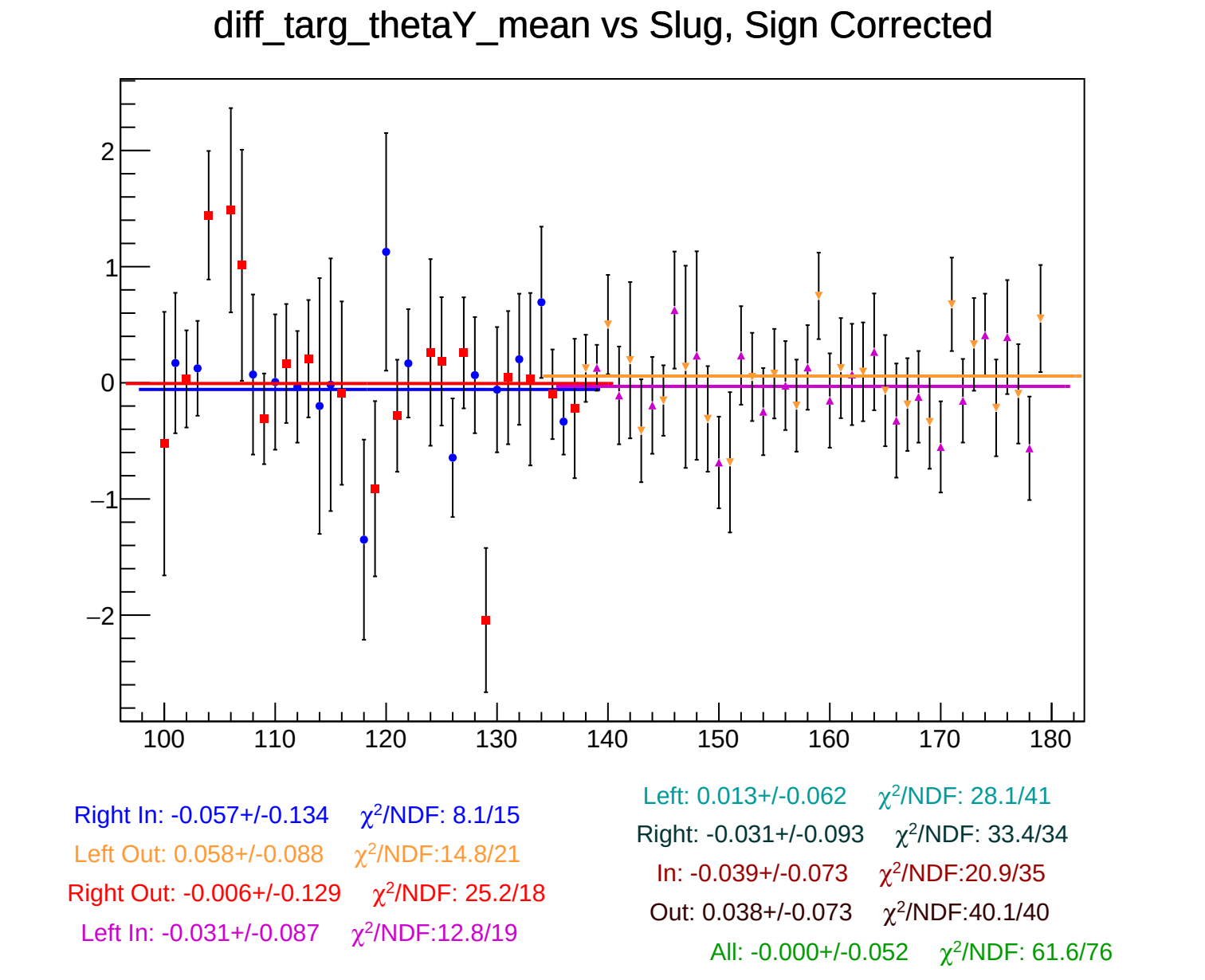
Left: 216.192+/-0.027 χ^2/NDF: 1794636.0/41

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

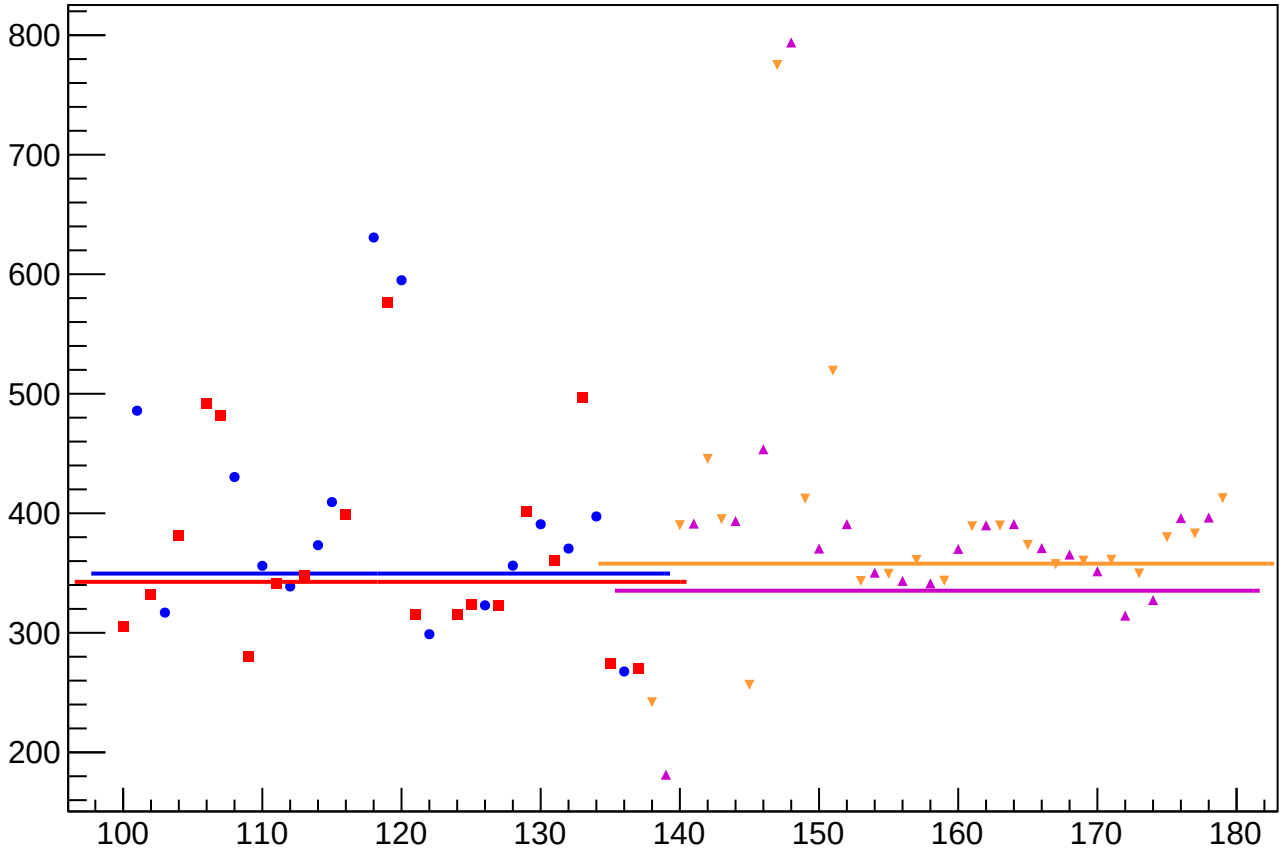
In: 225.379+/-0.035 χ^2/NDF:4805464.1/35

Out: 227.266+/-0.034 χ^2/NDF:4868885.2/40

All: 226.340+/-0.024 χ^2/NDF: 9675837.7/76


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.058+/-0.088 χ²/NDF:14.8/21
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.031+/-0.087 χ²/NDF:12.8/19
Left: 0.013+/-0.062 χ²/NDF: 28.1/41
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.039+/-0.073 χ²/NDF:20.9/35
Out: 0.038+/-0.073 χ²/NDF:40.1/40
All: -0.000+/-0.052 χ²/NDF: 61.6/76

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 357.842+/-0.063 χ^2/NDF:1308413.8/21

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 335.223+/-0.061 χ^2/NDF:2149237.2/19

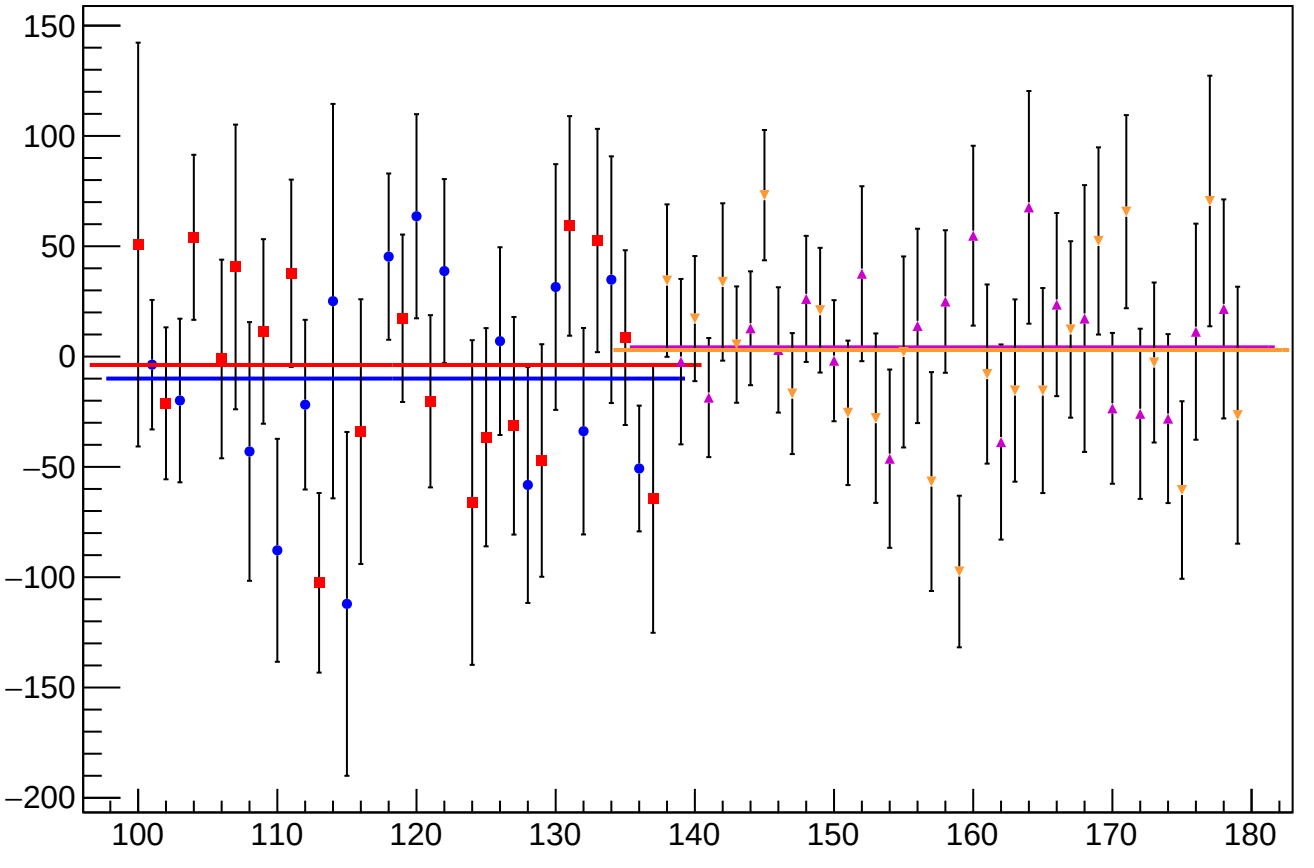
Left: 346.323+/-0.044 χ^2/NDF: 3524304.9/41

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 339.469+/-0.051 χ^2/NDF:2864703.4/35

Out: 352.980+/-0.052 χ^2/NDF:1903081.6/40

All: 346.215+/-0.036 χ^2/NDF: 4802161.4/76



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.179+/-8.042 χ^2/NDF:10.5/19

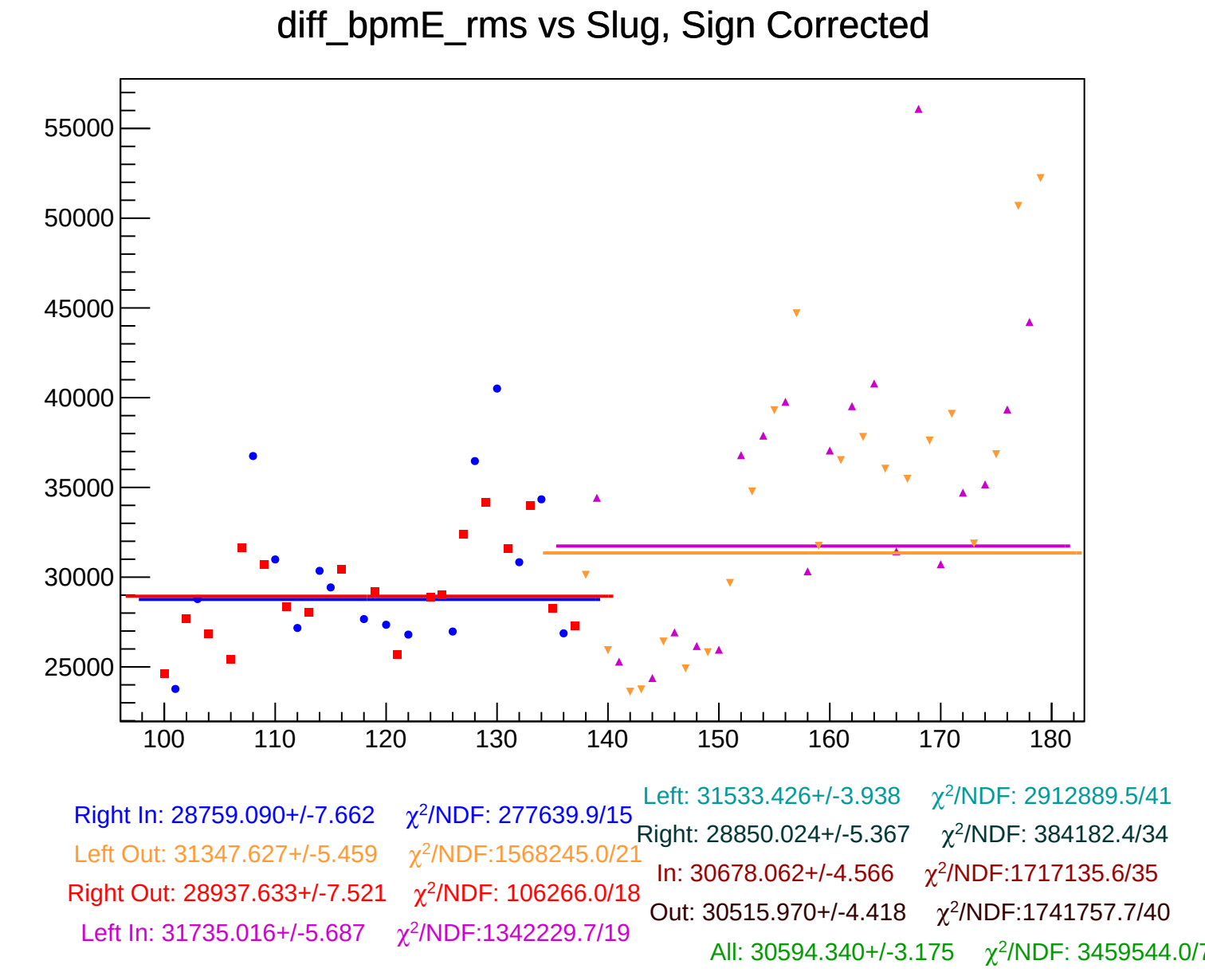
Left: 3.560+/-5.570 χ^2/NDF: 38.4/41

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

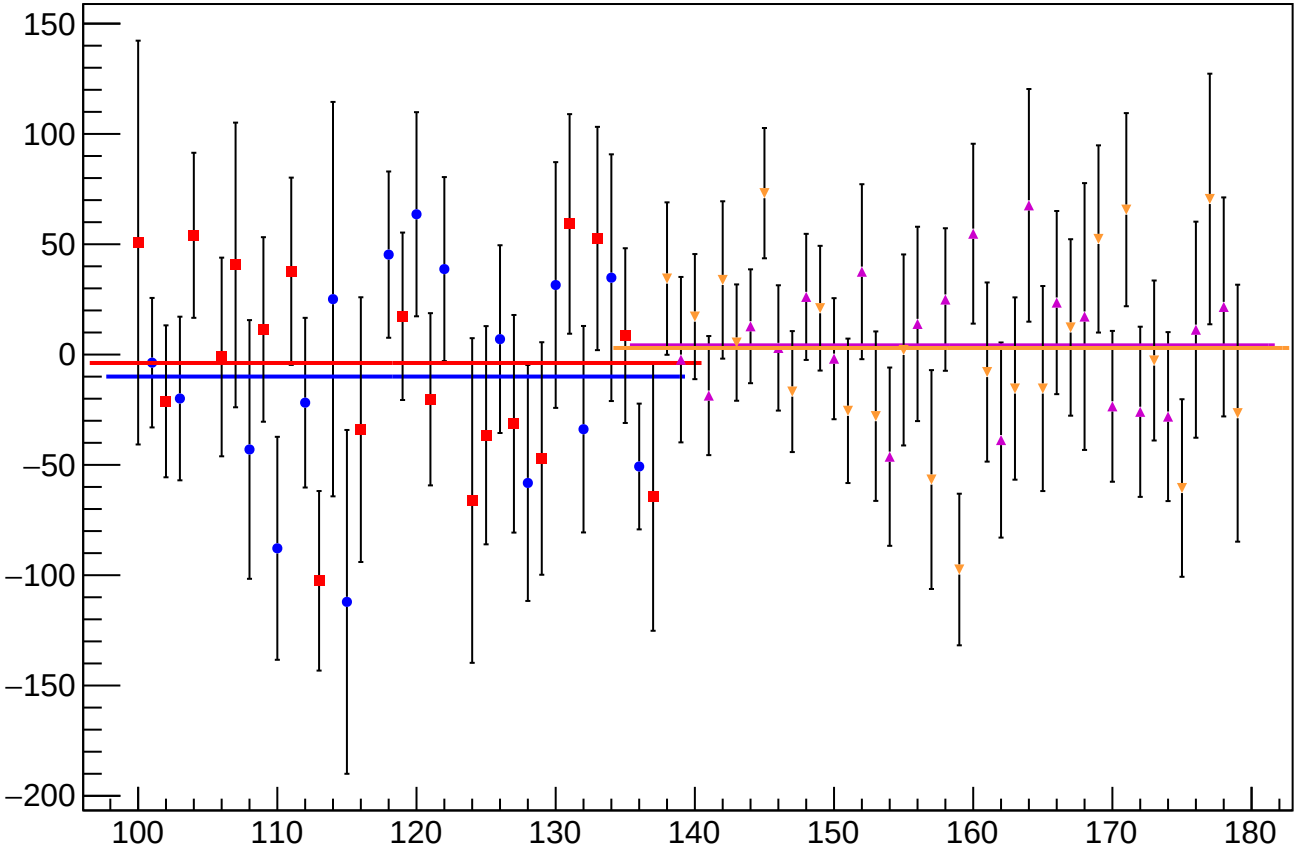
In: -0.846+/-6.458 χ^2/NDF:26.9/35

Out: 0.641+/-6.248 χ^2/NDF:45.4/40

All: -0.078+/-4.490 χ^2/NDF: 72.4/76


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31735.016+/-5.687 χ²/NDF:1342229.7/19
Left: 31533.426+/-3.938 χ²/NDF: 2912889.5/41
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30678.062+/-4.566 χ²/NDF:1717135.6/35
Out: 30515.970+/-4.418 χ²/NDF:1741757.7/40
All: 30594.340+/-3.175 χ²/NDF: 3459544.0/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.179+/-8.042 χ^2/NDF:10.5/19

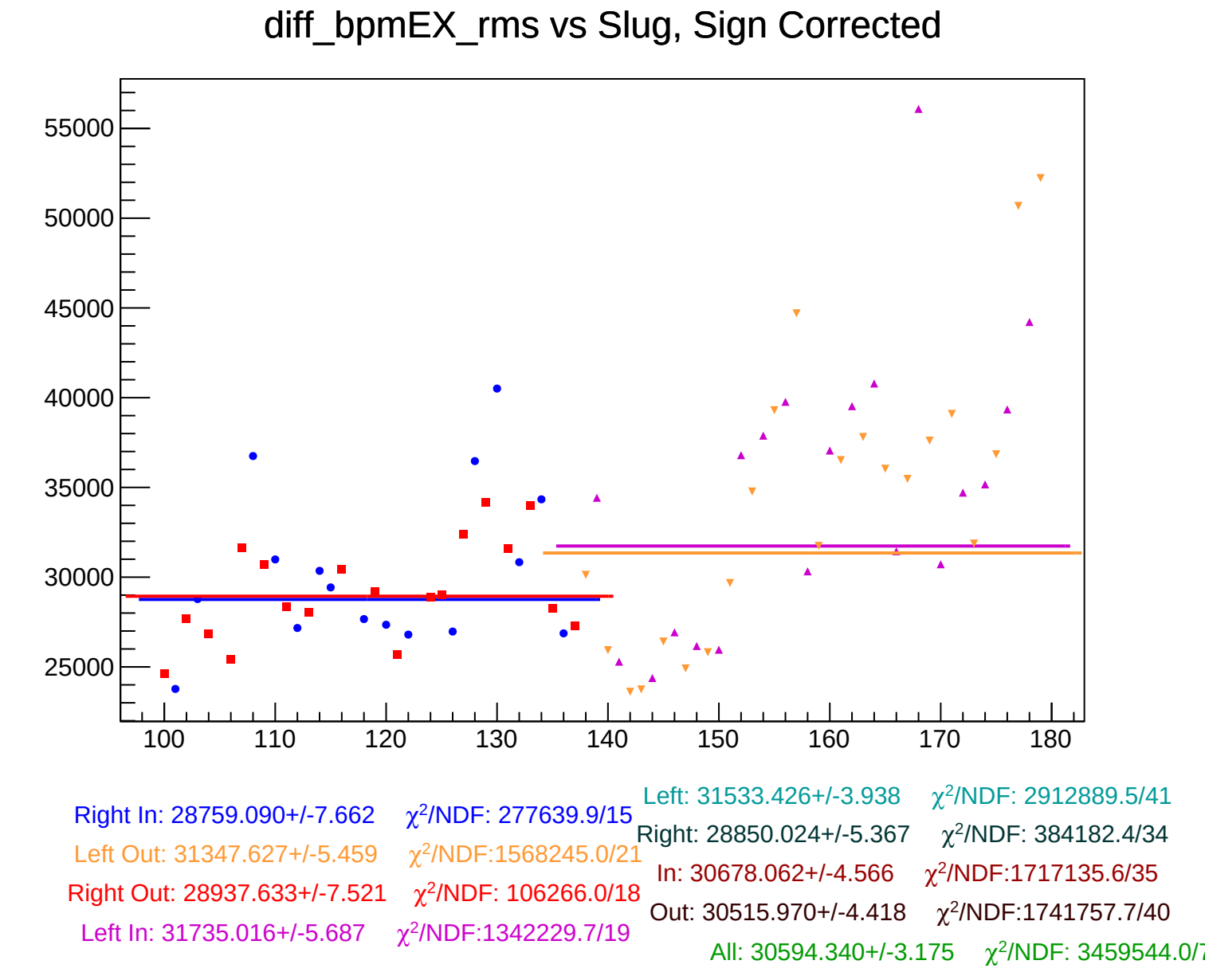
Left: 3.560+/-5.570 χ^2/NDF: 38.4/41

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

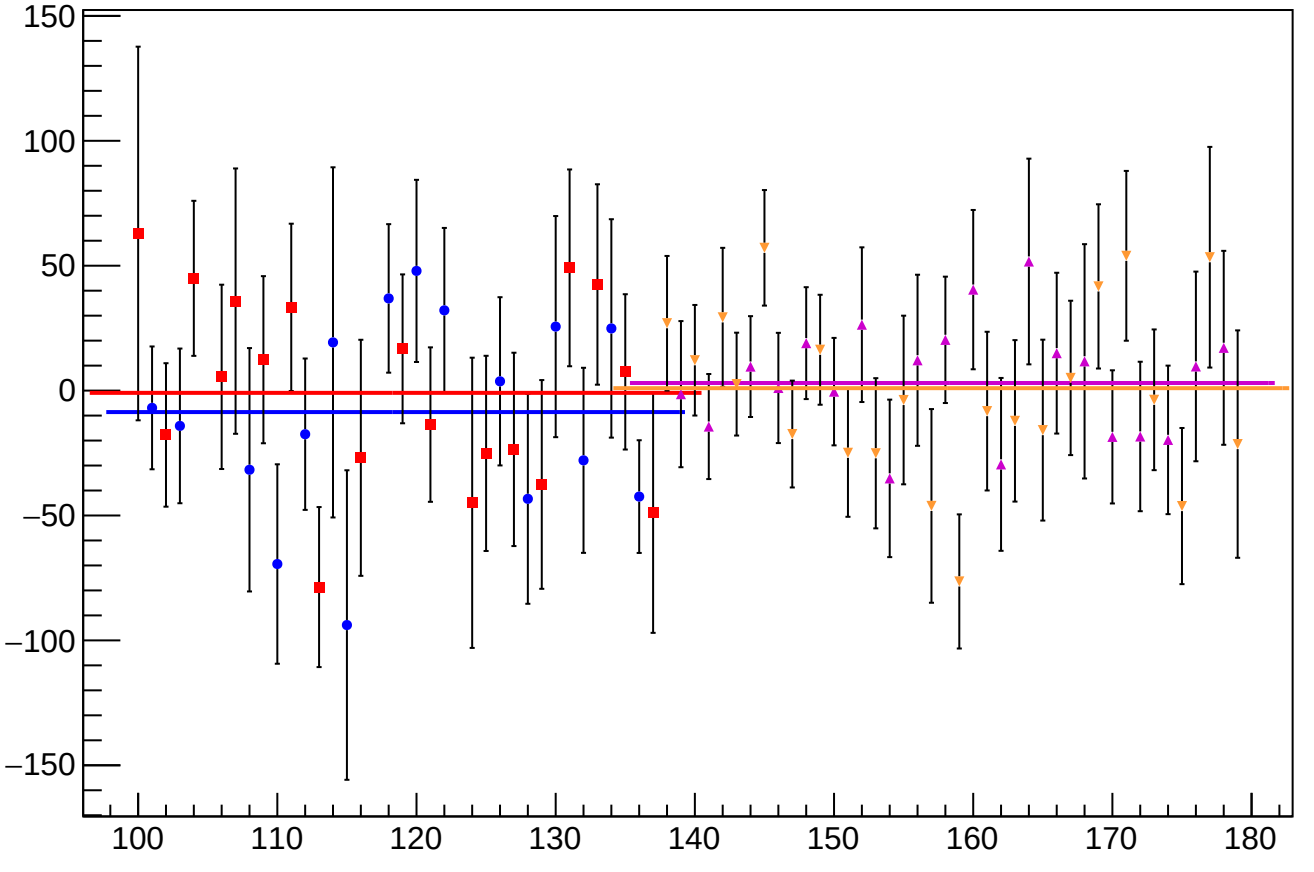
In: -0.846+/-6.458 χ^2/NDF:26.9/35

Out: 0.641+/-6.248 χ^2/NDF:45.4/40

All: -0.078+/-4.490 χ^2/NDF: 72.4/76


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31735.016+/-5.687 χ²/NDF:1342229.7/19
Left: 31533.426+/-3.938 χ²/NDF: 2912889.5/41
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30678.062+/-4.566 χ²/NDF:1717135.6/35
Out: 30515.970+/-4.418 χ²/NDF:1741757.7/40
All: 30594.340+/-3.175 χ²/NDF: 3459544.0/7

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 0.972+/-6.022 χ^2/NDF:29.3/21

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 3.045+/-6.275 χ^2/NDF:9.7/19

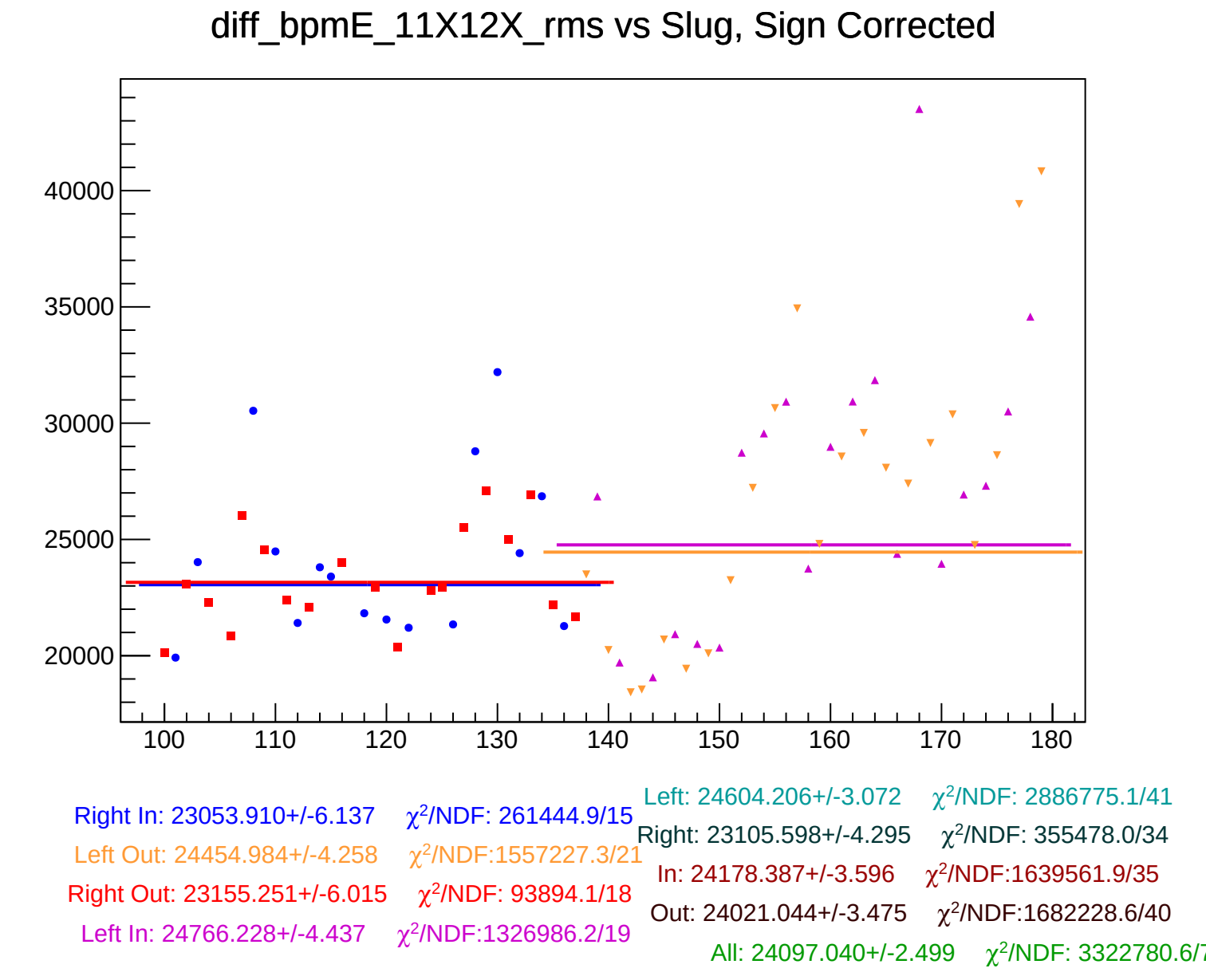
Left: 1.966+/-4.345 χ^2/NDF: 39.1/41

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

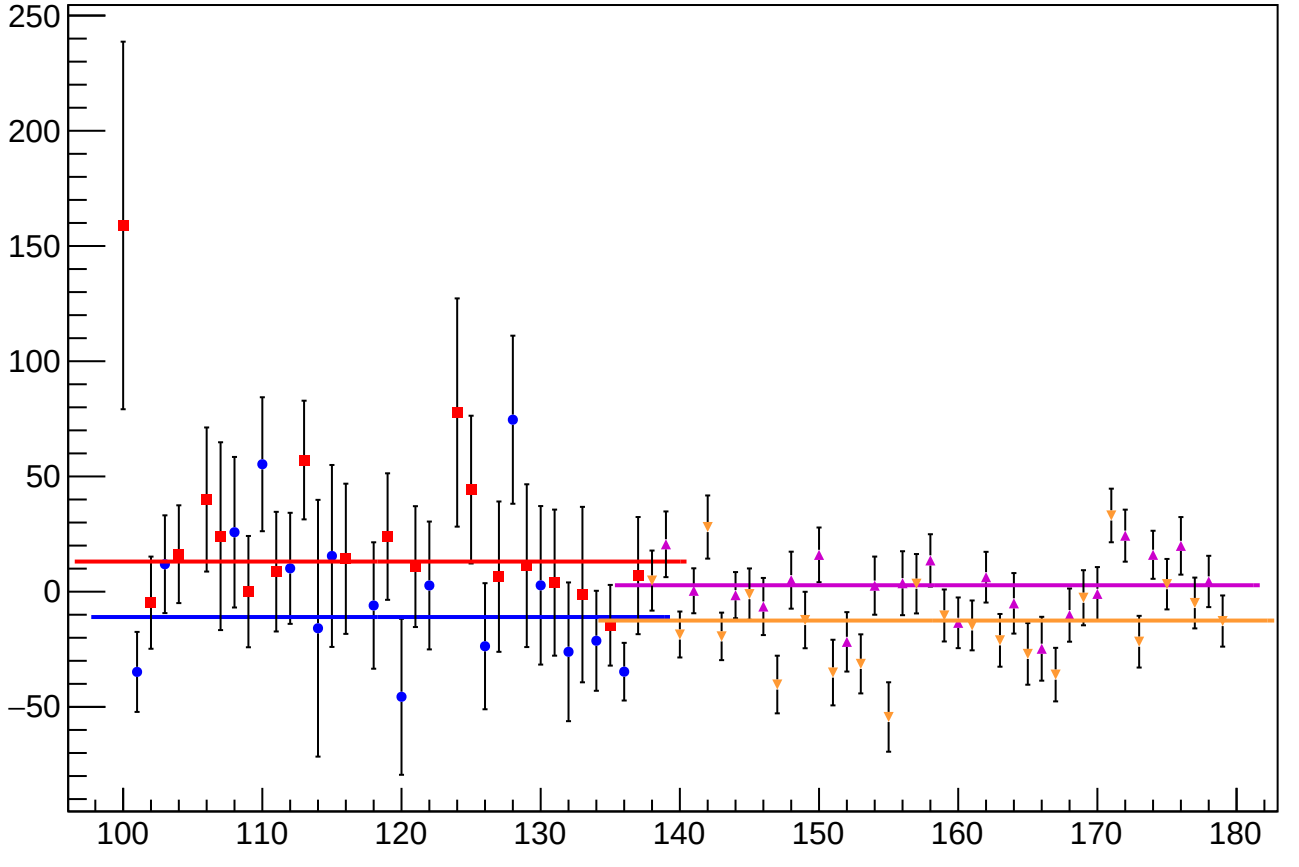
In: -0.953+/-5.085 χ^2/NDF:26.4/35

Out: 0.346+/-4.915 χ^2/NDF:47.0/40

All: -0.281+/-3.534 χ^2/NDF: 73.4/76


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
180
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 24454.984+/-4.258 χ²/NDF:1557227.3/21
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24766.228+/-4.437 χ²/NDF:1326986.2/19
Left: 24604.206+/-3.072 χ²/NDF: 2886775.1/41
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 24178.387+/-3.596 χ²/NDF:1639561.9/35
Out: 24021.044+/-3.475 χ²/NDF:1682228.6/40
All: 24097.040+/-2.499 χ²/NDF: 3322780.6/7

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.529+/-2.521 χ^2/NDF:56.4/21

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 2.790+/-2.628 χ^2/NDF:23.3/19

Left: -5.188+/-1.820 χ^2/NDF: 97.4/41

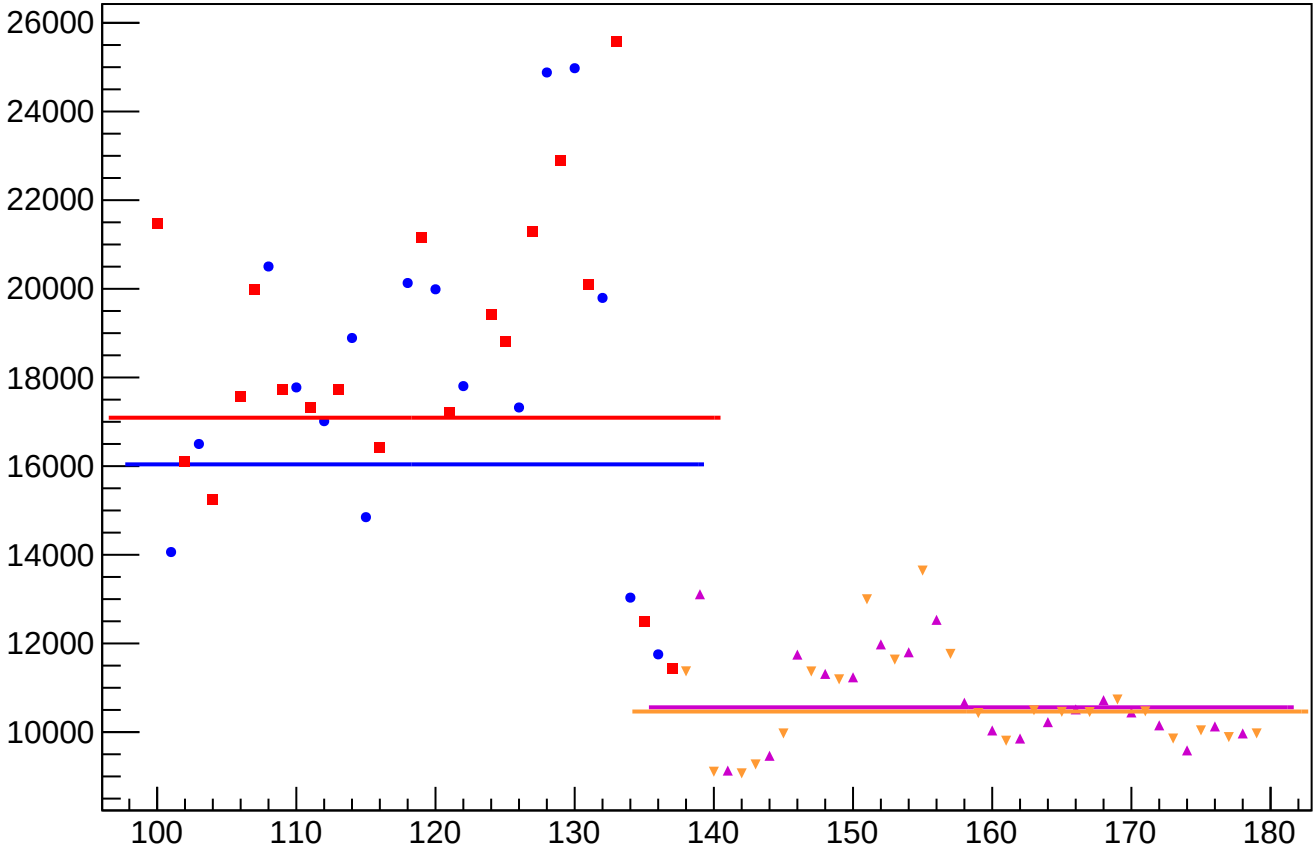
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: 0.663+/-2.417 χ^2/NDF:49.5/35

Out: -9.073+/-2.345 χ^2/NDF:84.2/40

All: -4.353+/-1.683 χ^2/NDF: 142.1/76

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10464.559+/-1.783 χ^2/NDF:331883.1/21

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10559.152+/-1.859 χ^2/NDF:289793.3/19

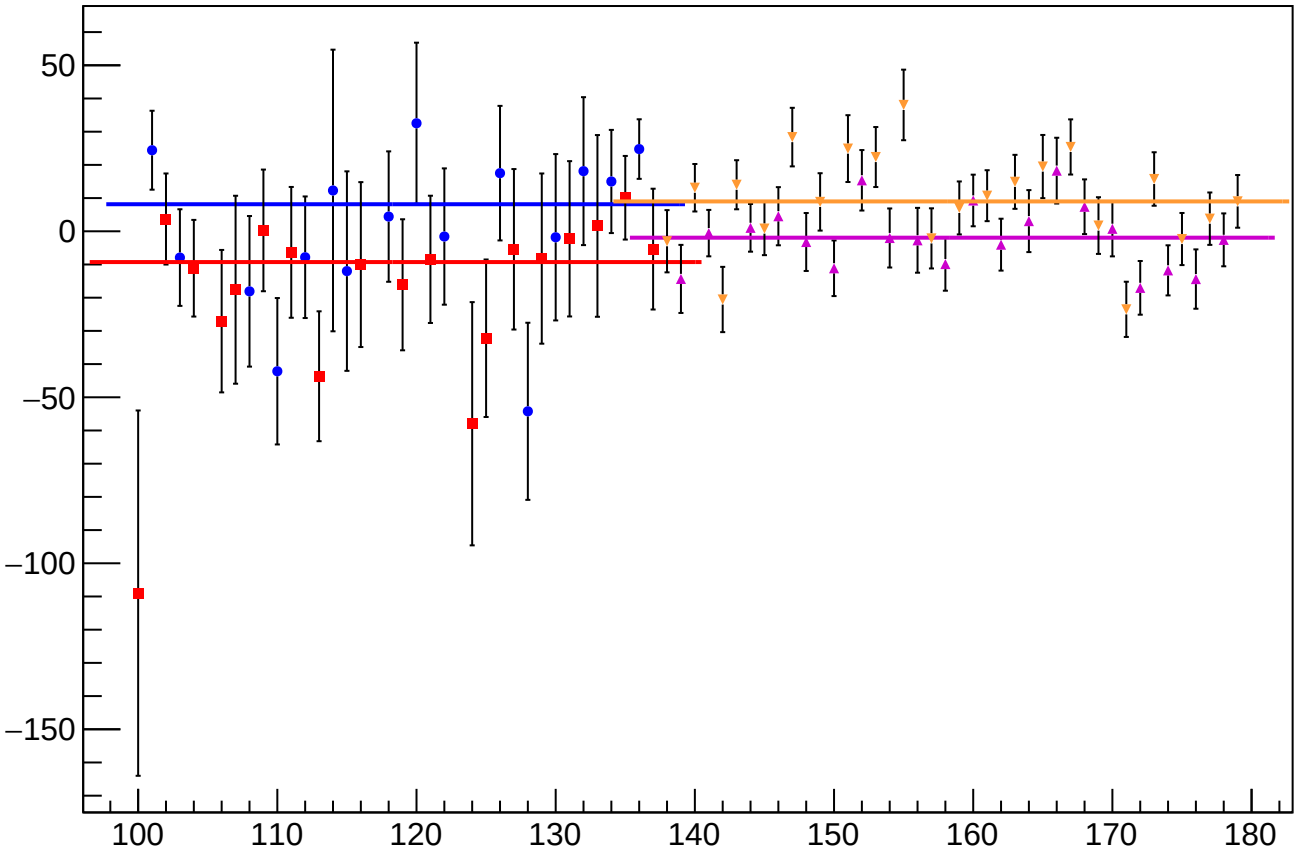
Left: 10509.889+/-1.287 χ^2/NDF: 623025.3/41

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11404.561+/-1.709 χ^2/NDF:2353803.0/35

Out: 11359.462+/-1.658 χ^2/NDF:2733363.7/40

All: 11381.327+/-1.190 χ^2/NDF: 5087525.3/7



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.998+/-1.797 χ^2/NDF:56.0/21

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.928+/-1.872 χ^2/NDF:23.2/19

Left: 3.759+/-1.296 χ^2/NDF: 96.9/41

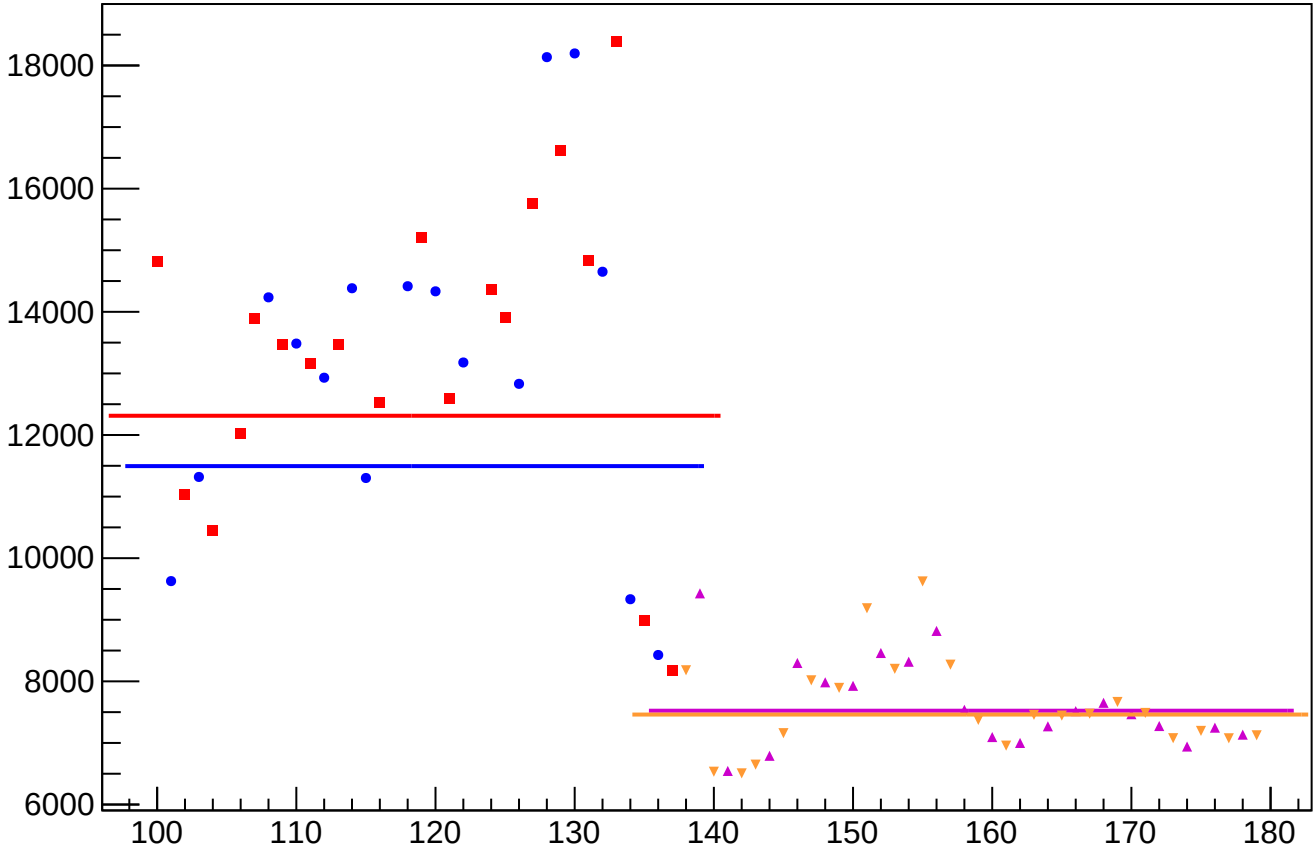
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: -0.397+/-1.724 χ^2/NDF:49.3/35

Out: 6.586+/-1.674 χ^2/NDF:83.5/40

All: 3.197+/-1.201 χ^2/NDF: 141.3/76

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7460.962+/-1.271 χ^2/NDF:300684.4/21

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7523.227+/-1.324 χ^2/NDF:264764.1/19

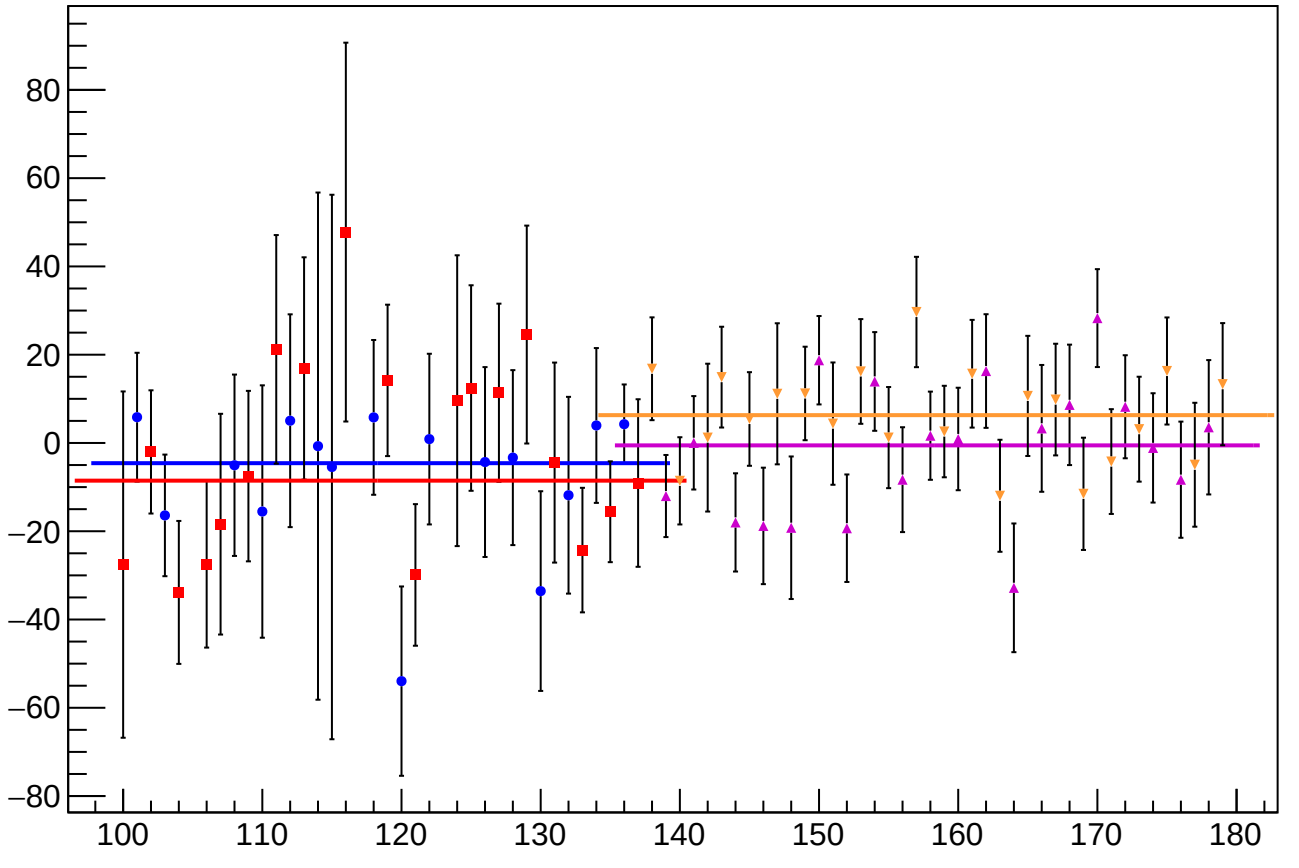
Left: 7490.818+/-0.917 χ^2/NDF: 566600.1/41

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8126.681+/-1.219 χ^2/NDF:2422545.5/35

Out: 8101.468+/-1.184 χ^2/NDF:2824465.7/40

All: 8113.704+/-0.849 χ^2/NDF: 5247231.4/76



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.303+/-2.597 χ^2/NDF:15.8/21

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.546+/-2.669 χ^2/NDF:30.4/19

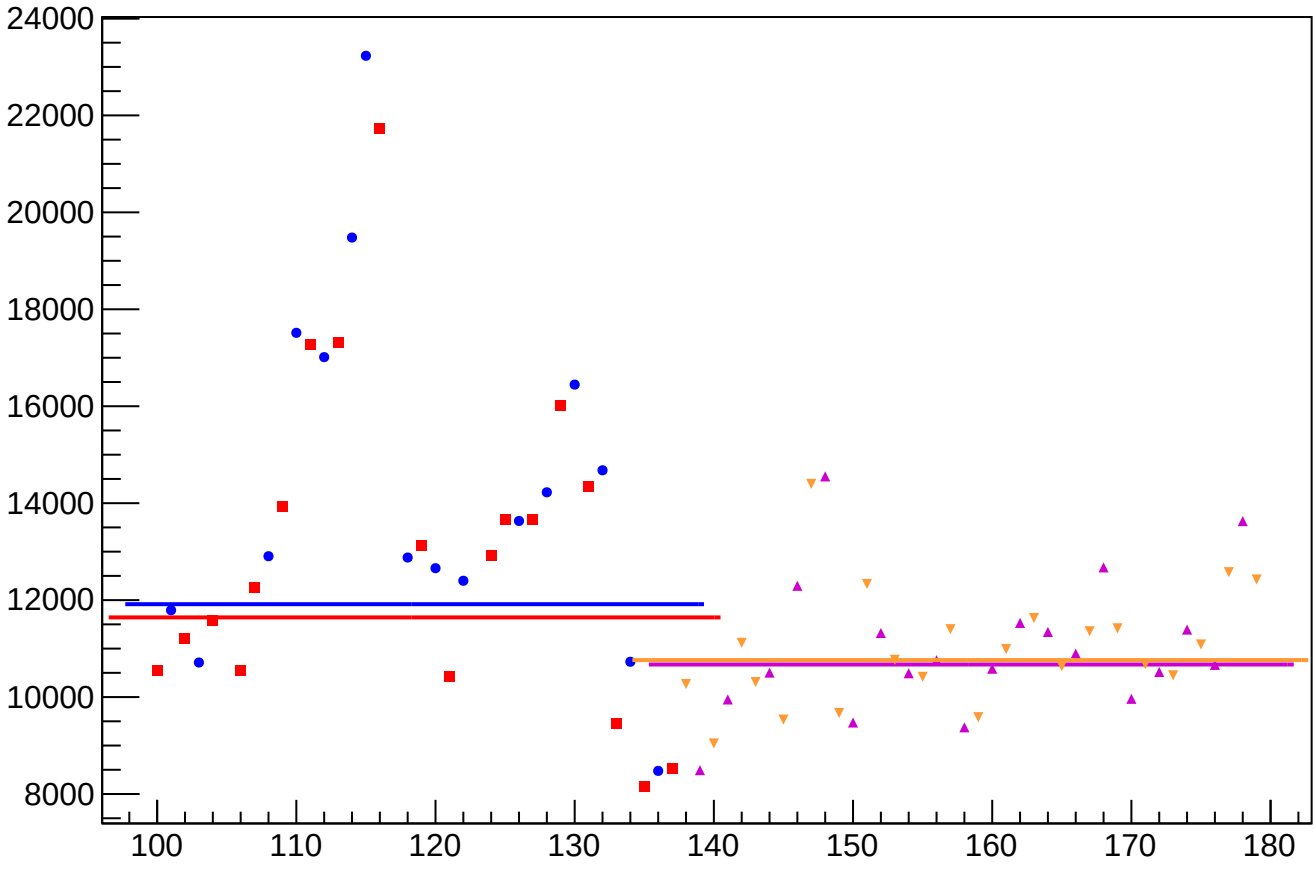
Left: 2.971+/-1.861 χ^2/NDF: 49.6/41

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.576+/-2.303 χ^2/NDF:41.2/35

Out: 2.458+/-2.236 χ^2/NDF:41.5/40

All: 0.500+/-1.604 χ^2/NDF: 84.3/76



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10763.291+/-1.837 χ^2/NDF:363434.2/21

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10671.875+/-1.887 χ^2/NDF:481471.5/19

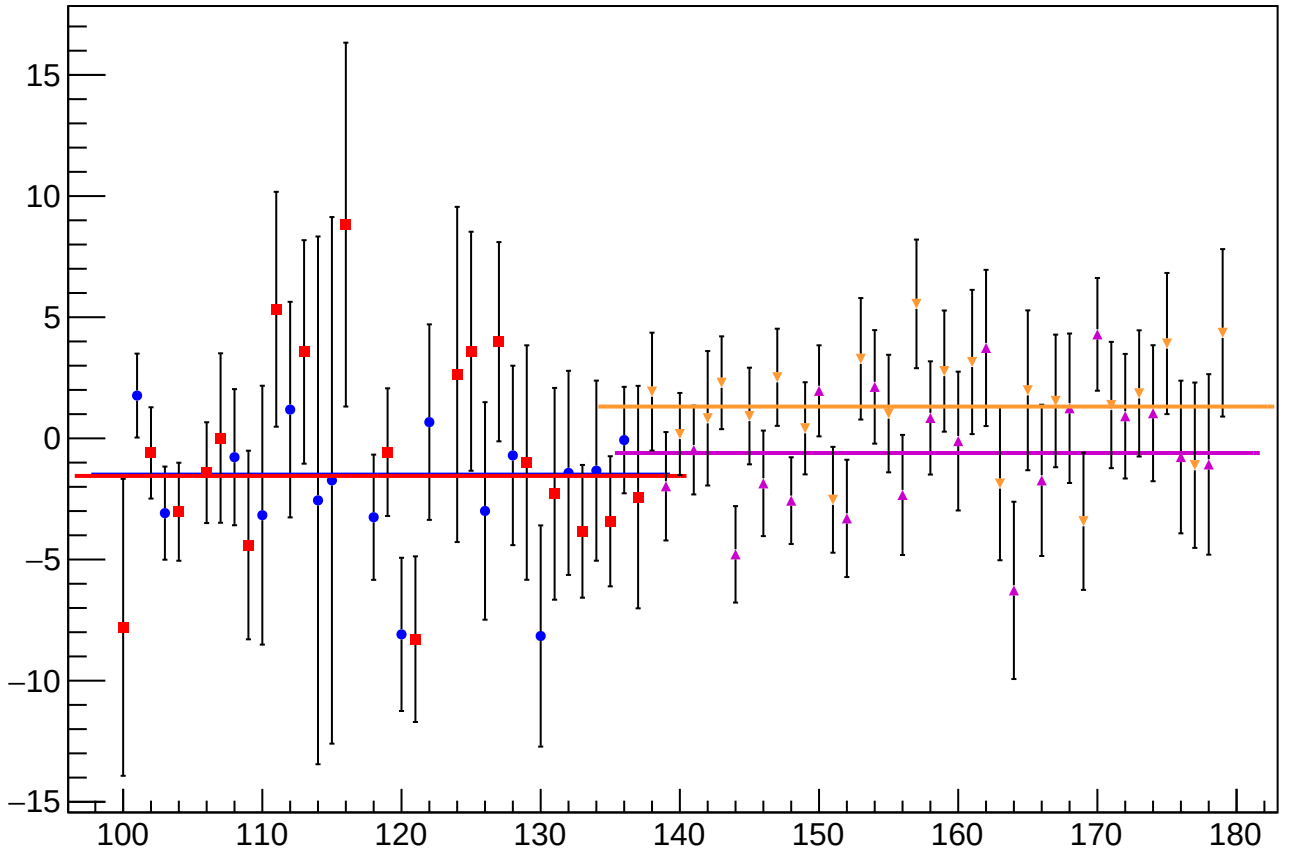
Left: 10718.823+/-1.316 χ^2/NDF: 846110.8/41

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10990.017+/-1.628 χ^2/NDF:1342417.6/35

Out: 10991.382+/-1.581 χ^2/NDF:1213319.0/40

All: 10990.719+/-1.134 χ^2/NDF: 2555737.0/7



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.313+/-0.521 χ^2/NDF:14.4/21

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.603+/-0.543 χ^2/NDF:21.5/19

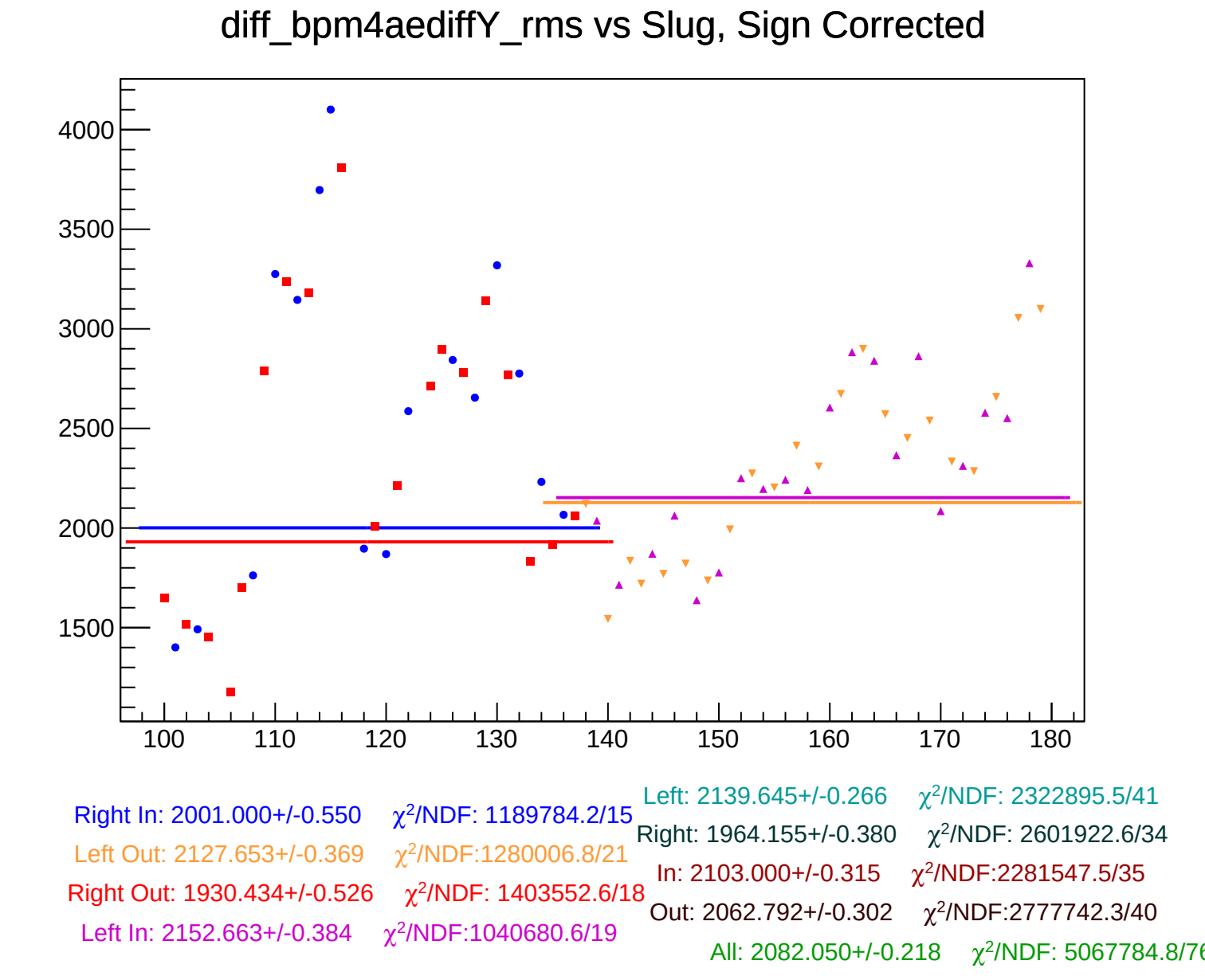
Left: 0.394+/-0.376 χ^2/NDF: 42.4/41

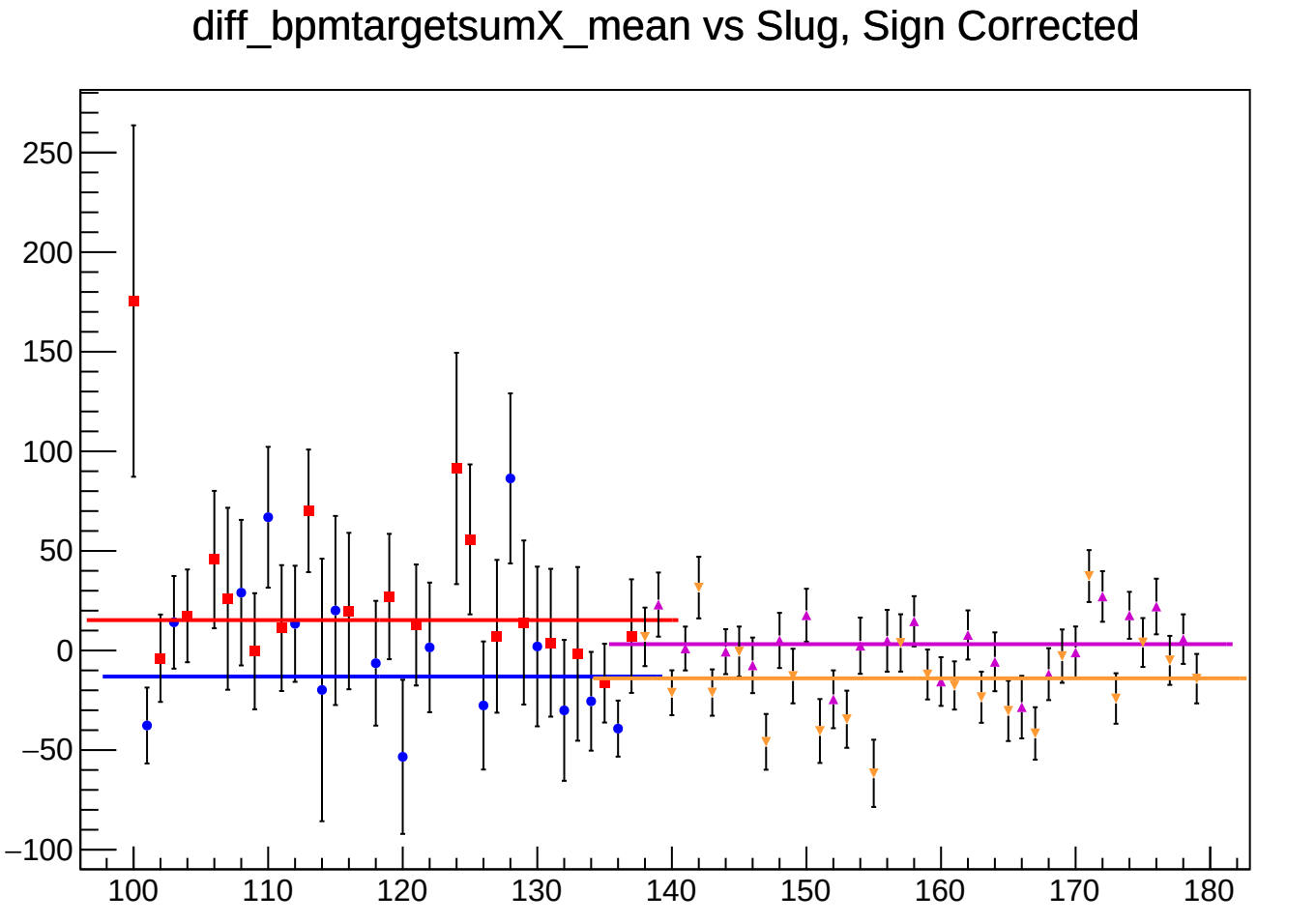
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.896+/-0.445 χ^2/NDF:35.0/35

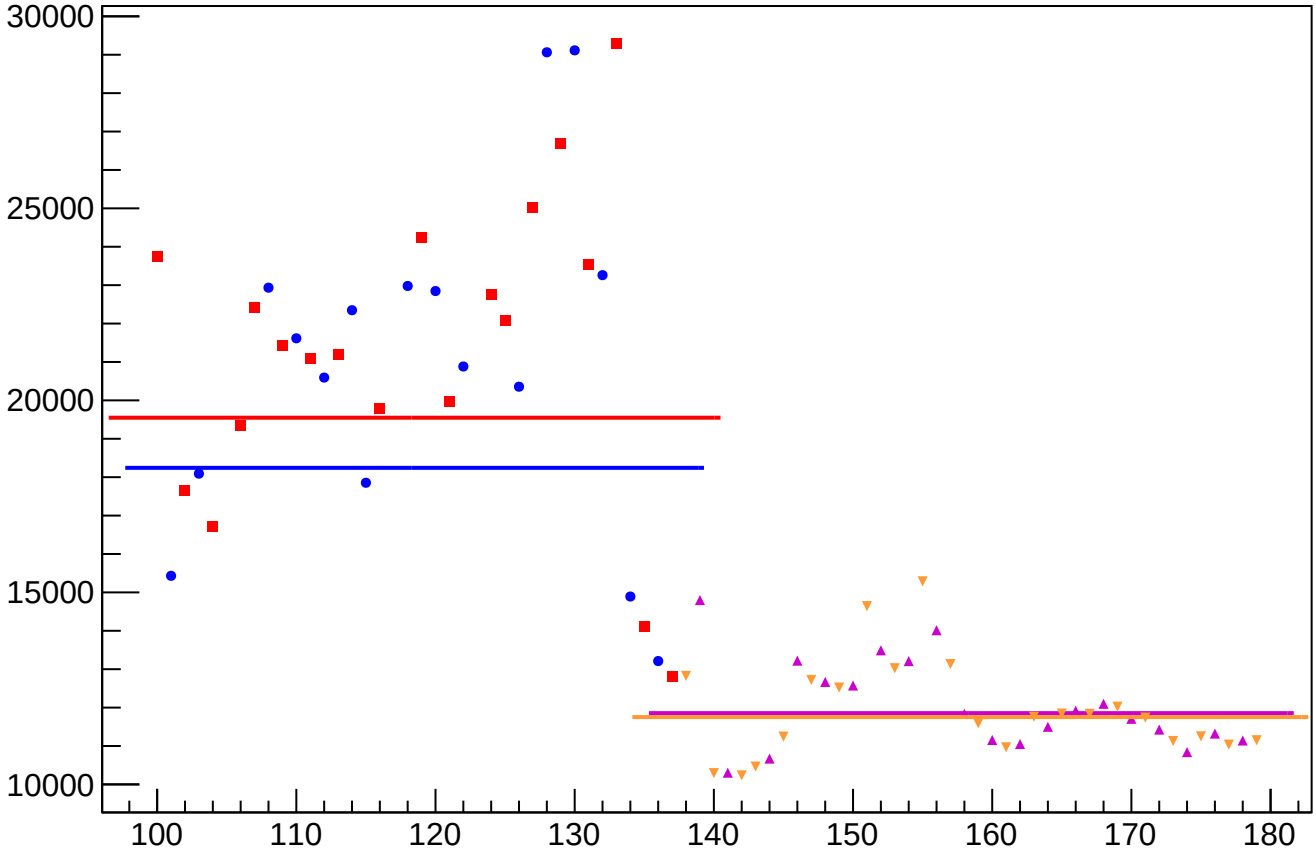
Out: 0.371+/-0.427 χ^2/NDF:40.6/40

All: -0.236+/-0.308 χ^2/NDF: 79.8/76


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 2127.653+/-0.369 χ²/NDF:1280006.8/21
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2152.663+/-0.384 χ²/NDF:1040680.6/19
Left: 2139.645+/-0.266 χ²/NDF: 2322895.5/41
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2103.000+/-0.315 χ²/NDF:2281547.5/35
Out: 2062.792+/-0.302 χ²/NDF:2777742.3/40
All: 2082.050+/-0.218 χ²/NDF: 5067784.8/76


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -13.984+/-2.831 χ²/NDF:57.8/21
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 3.174+/-2.951 χ²/NDF:23.2/19
Left: -5.760+/-2.043 χ²/NDF: 98.7/41
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: 0.738+/-2.721 χ²/NDF:49.6/35
Out: -10.179+/-2.641 χ²/NDF:86.1/40
All: -4.884+/-1.895 χ²/NDF: 144.0/76

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11752.878+/-2.002 χ^2/NDF:323272.2/21

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11855.985+/-2.087 χ^2/NDF:286749.3/19

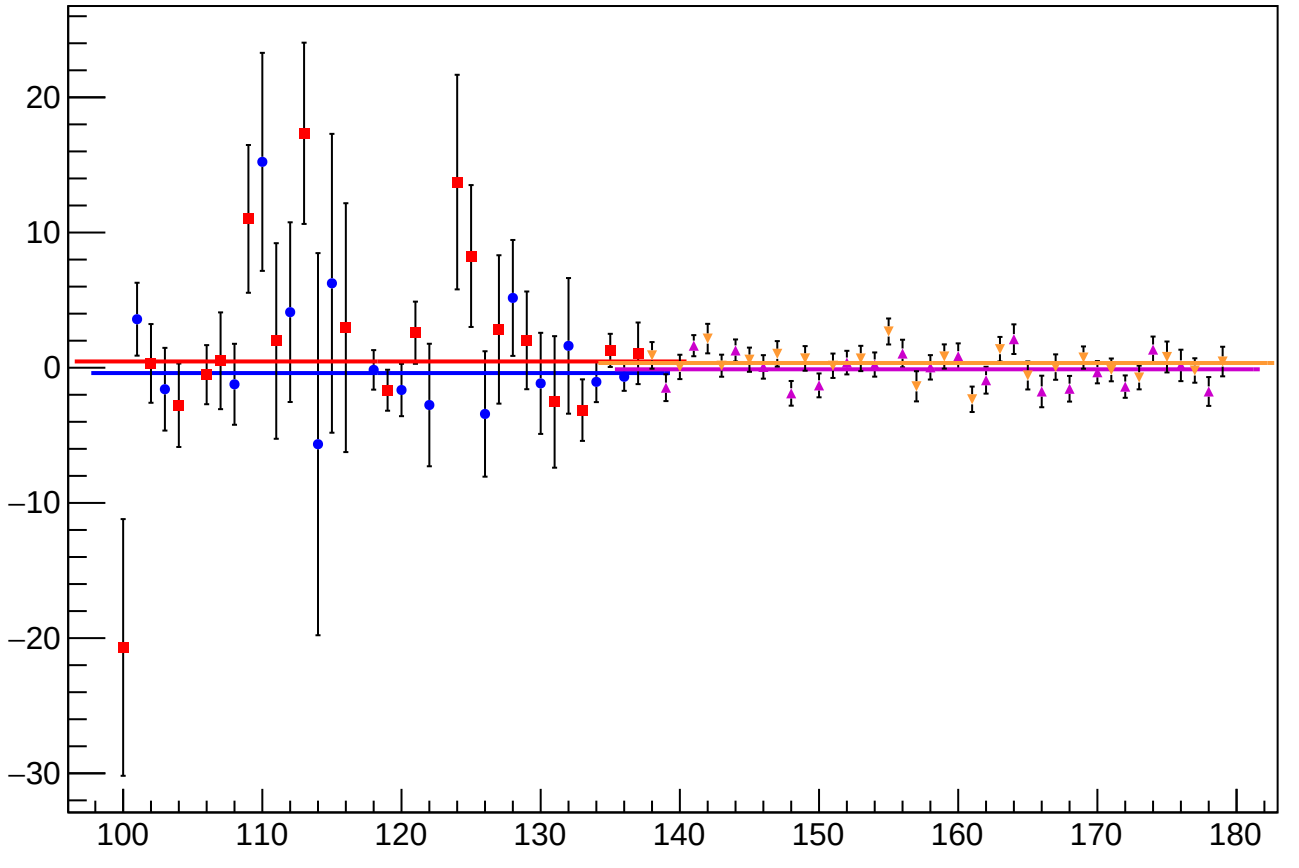
Left: 11802.296+/-1.445 χ^2/NDF: 611292.7/41

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12813.840+/-1.924 χ^2/NDF:2511484.5/35

Out: 12767.260+/-1.867 χ^2/NDF:2917768.0/40

All: 12789.854+/-1.340 χ^2/NDF: 5429554.4/7



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.351+/-0.200 χ^2/NDF:25.6/21

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.117+/-0.208 χ^2/NDF:34.5/19

Left: 0.126+/-0.144 χ^2/NDF: 62.8/41

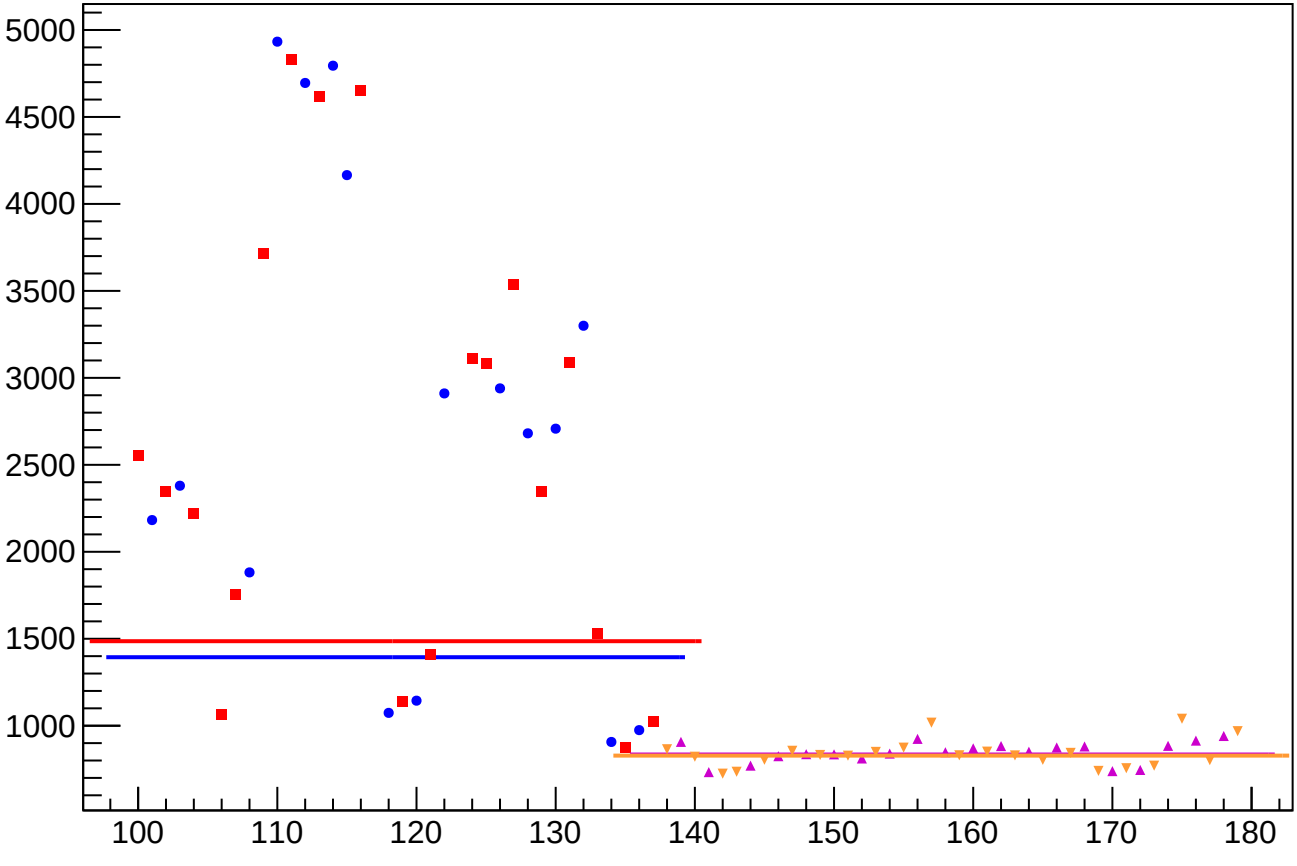
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.146+/-0.196 χ^2/NDF:45.1/35

Out: 0.361+/-0.190 χ^2/NDF:53.7/40

All: 0.115+/-0.137 χ^2/NDF: 102.3/76

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 828.185+/-0.141 χ^2/NDF:265635.3/21

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 834.574+/-0.147 χ^2/NDF:174122.7/19

Left: 831.250+/-0.102 χ^2/NDF: 440741.3/41

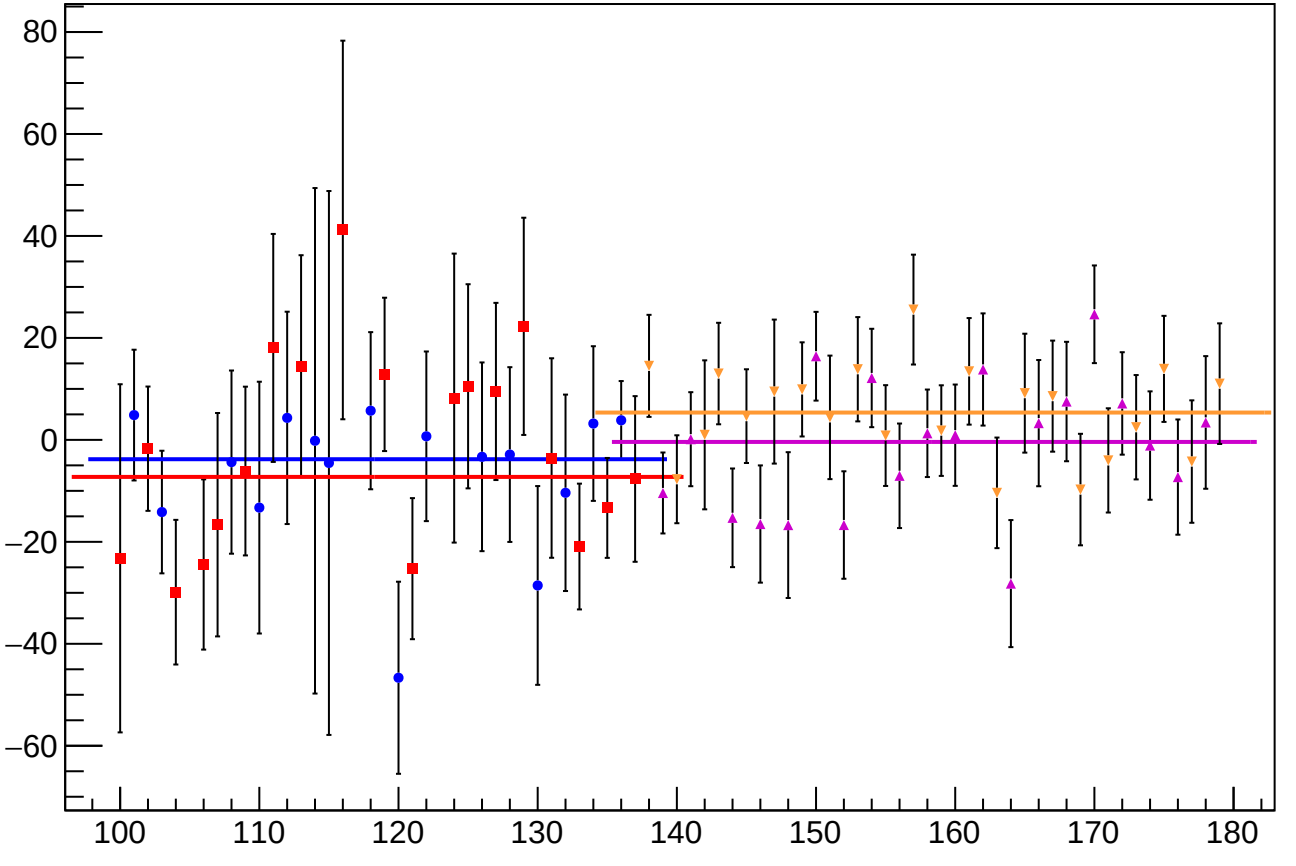
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 894.488+/-0.139 χ^2/NDF:5106369.3/35

Out: 887.515+/-0.135 χ^2/NDF:5623921.1/40

All: 890.893+/-0.097 χ^2/NDF: 10731589.7/76

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.360+/-2.242 χ^2/NDF:16.0/21

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.403+/-2.301 χ^2/NDF:30.6/19

Left: 2.553+/-1.606 χ^2/NDF: 49.8/41

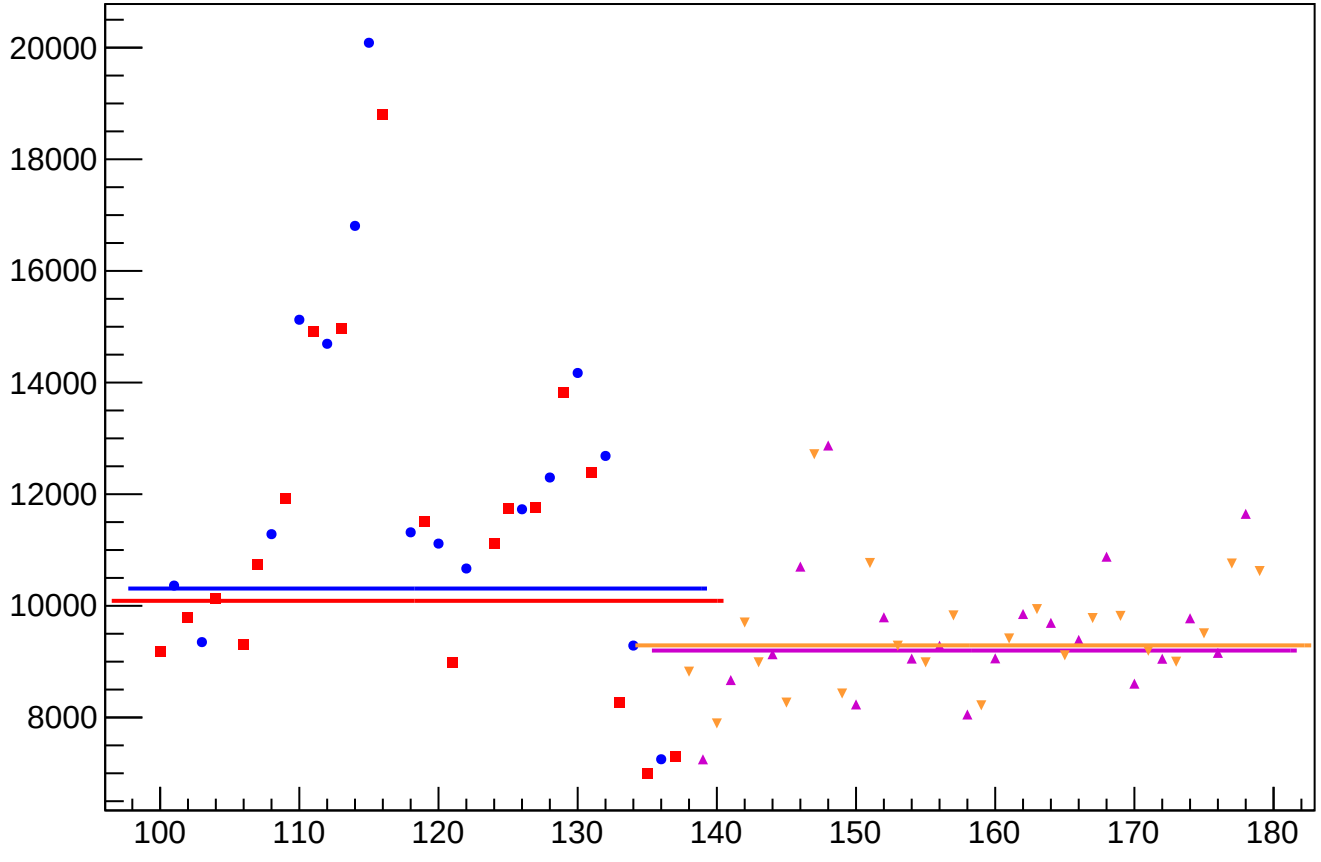
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.265+/-1.988 χ^2/NDF:41.2/35

Out: 2.108+/-1.932 χ^2/NDF:41.4/40

All: 0.470+/-1.385 χ^2/NDF: 84.1/76

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9291.623+/-1.586 χ^2/NDF:360524.5/21

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9198.852+/-1.627 χ^2/NDF:497804.3/19

Left: 9246.441+/-1.136 χ^2/NDF: 859996.1/41

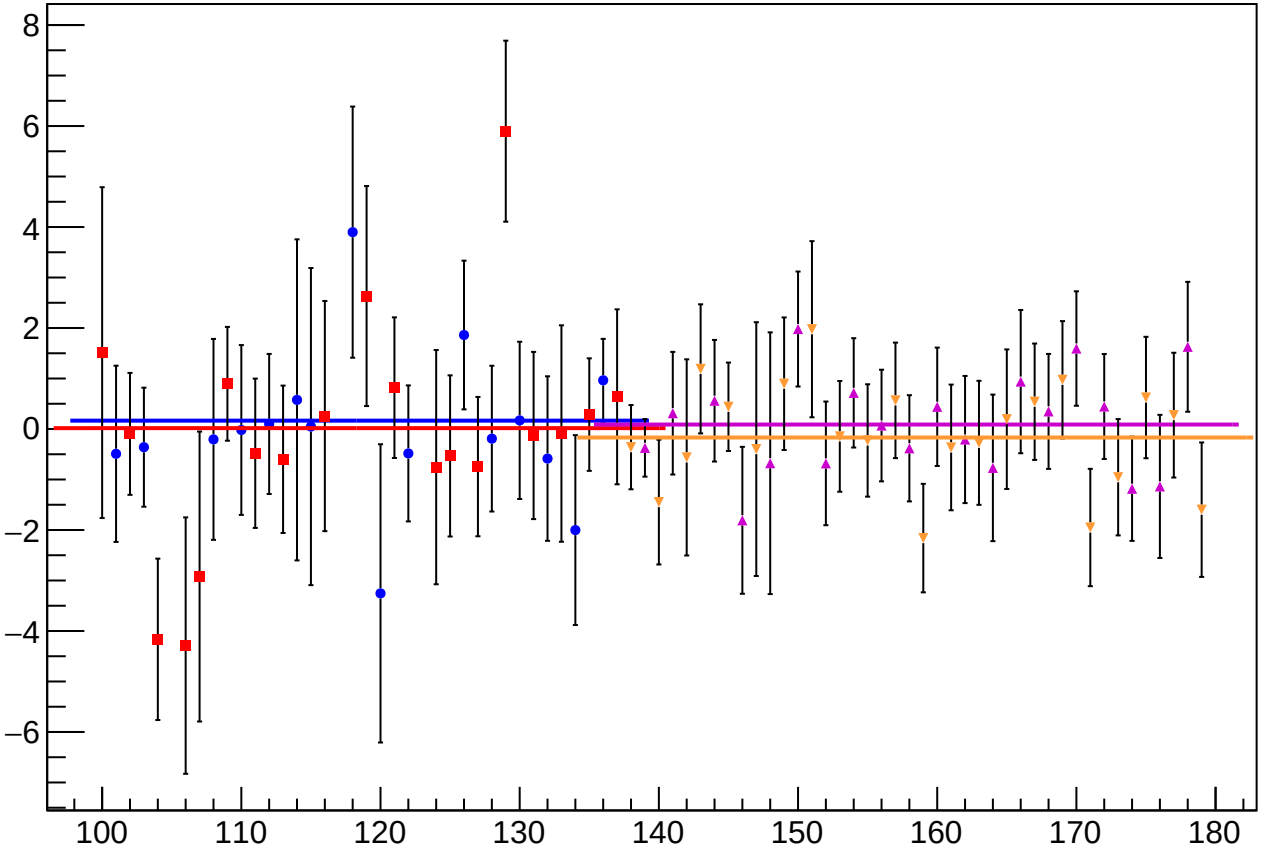
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9481.158+/-1.405 χ^2/NDF:1386782.3/35

Out: 9497.151+/-1.366 χ^2/NDF:1218550.1/40

All: 9489.381+/-0.980 χ^2/NDF: 2605399.0/76

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.169+/-0.255 χ^2/NDF:14.8/21

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.089+/-0.251 χ^2/NDF:12.8/19

Left: -0.038+/-0.179 χ^2/NDF: 28.1/41

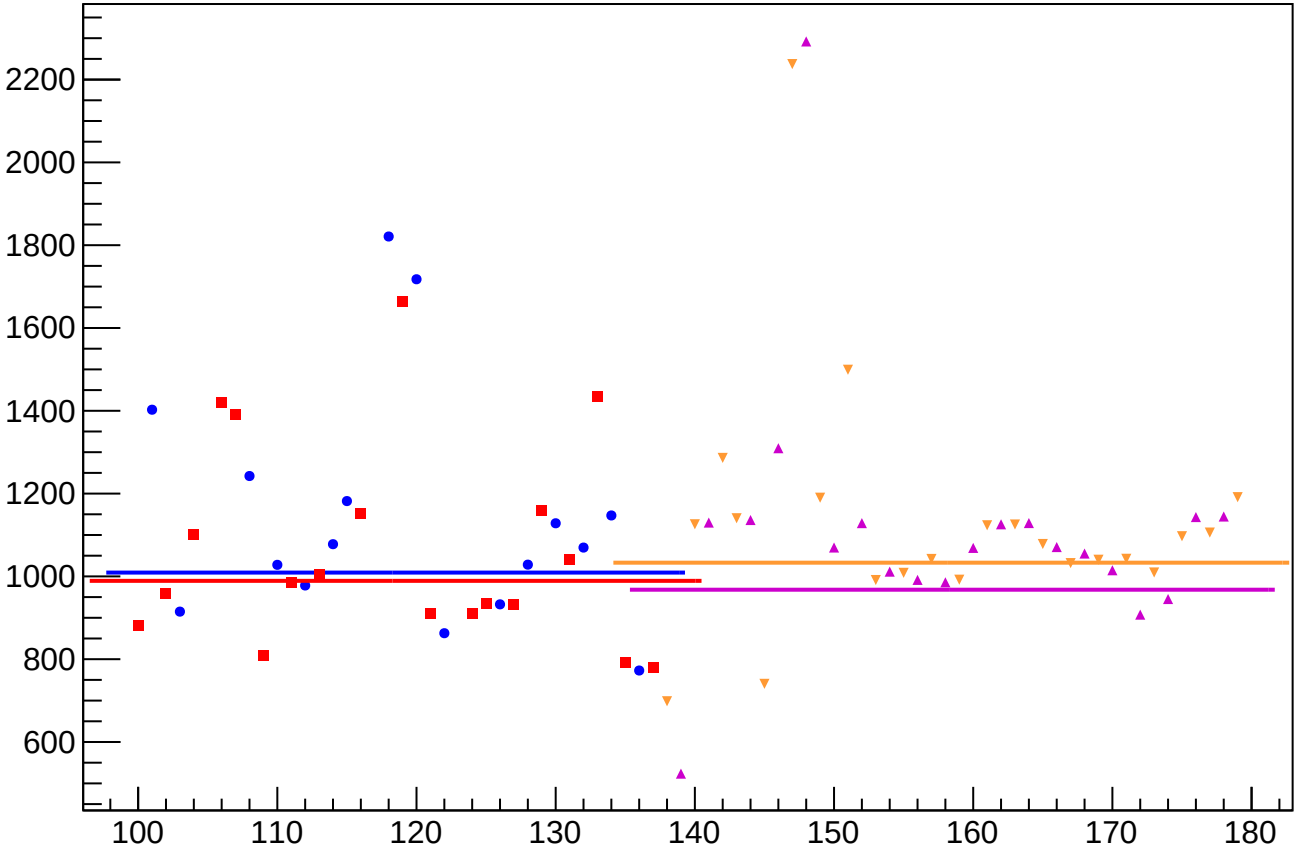
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.111+/-0.210 χ^2/NDF:20.9/35

Out: -0.109+/-0.211 χ^2/NDF:40.1/40

All: 0.001+/-0.149 χ^2/NDF: 61.6/76

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1033.132+/-0.181 χ^2/NDF:1308413.8/21

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 967.828+/-0.177 χ^2/NDF:2149237.2/19

Left: 999.875+/-0.126 χ^2/NDF: 3524304.9/41

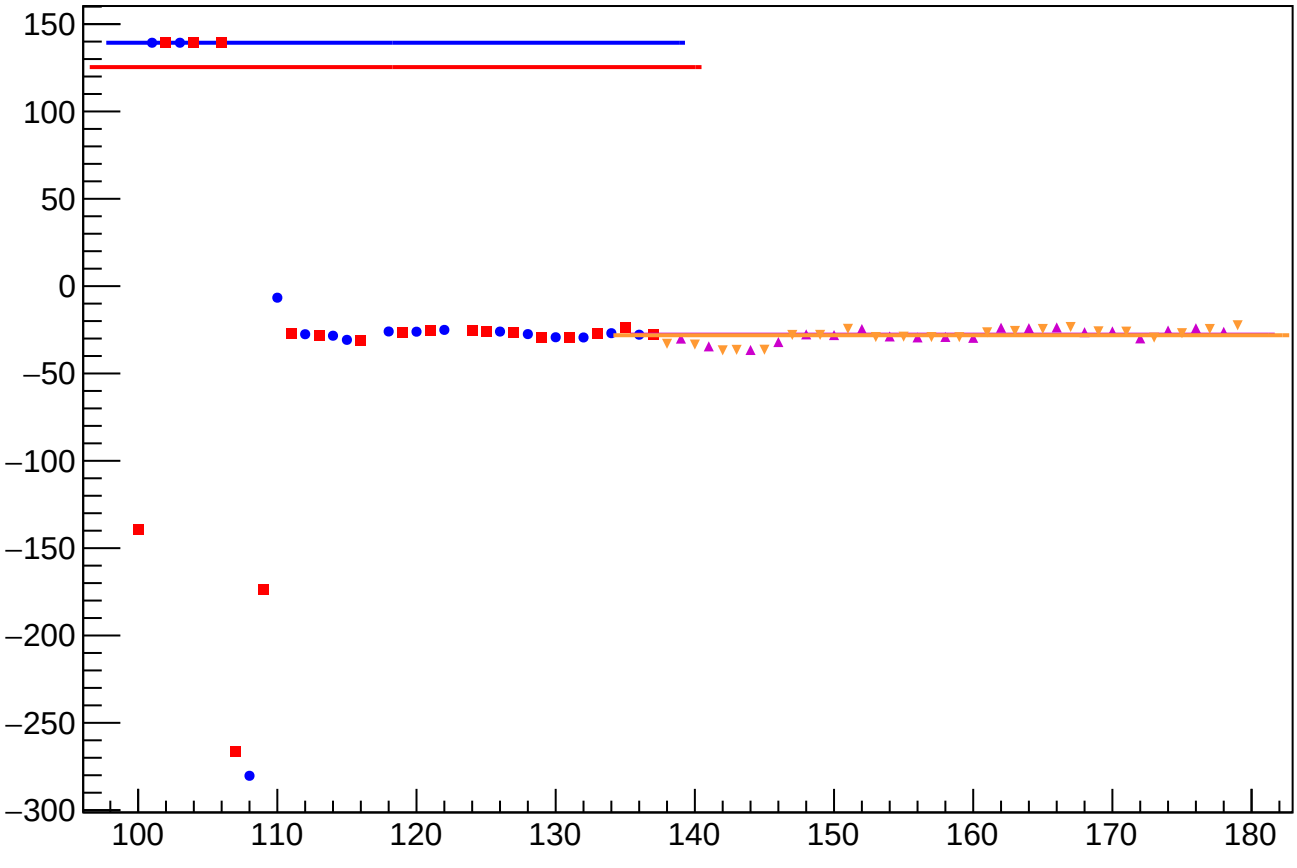
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 980.087+/-0.149 χ^2/NDF:2864703.4/35

Out: 1019.094+/-0.149 χ^2/NDF:1903081.6/40

All: 999.563+/-0.105 χ^2/NDF: 4802161.4/76

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.109+/-0.000 χ^2/NDF:174308923.2/21

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -27.774+/-0.000 χ^2/NDF:113577669.7/19

Left: -27.950+/-0.000 χ^2/NDF: 288361191.3/41

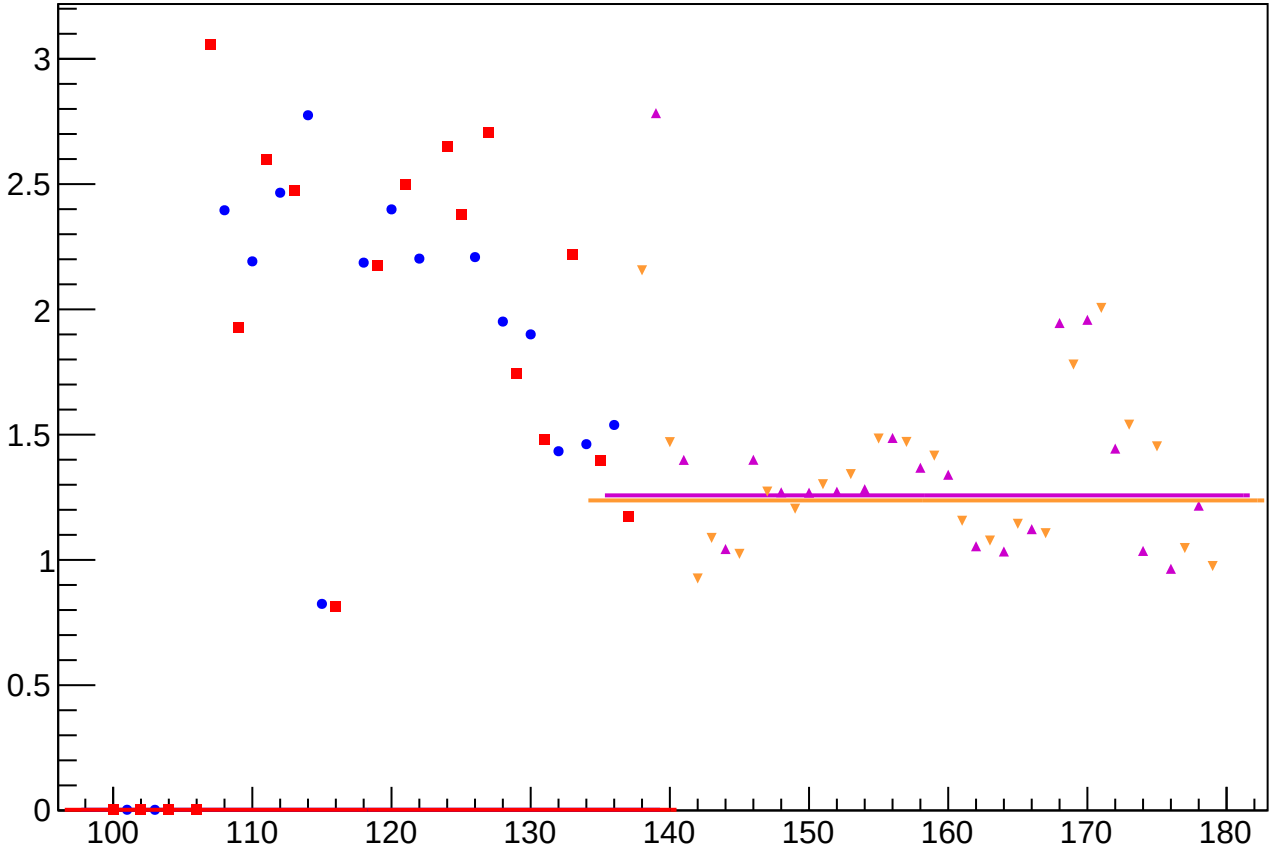
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.329+/-0.000 χ^2/NDF:271979447783.9/35

Out: 125.385+/-0.000 χ^2/NDF:774383319397974.

All: 131.811+/-0.000 χ^2/NDF: 793438273153

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.237+/-0.000 χ^2/NDF:1126150.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.258+/-0.000 χ^2/NDF:1271323.9/19

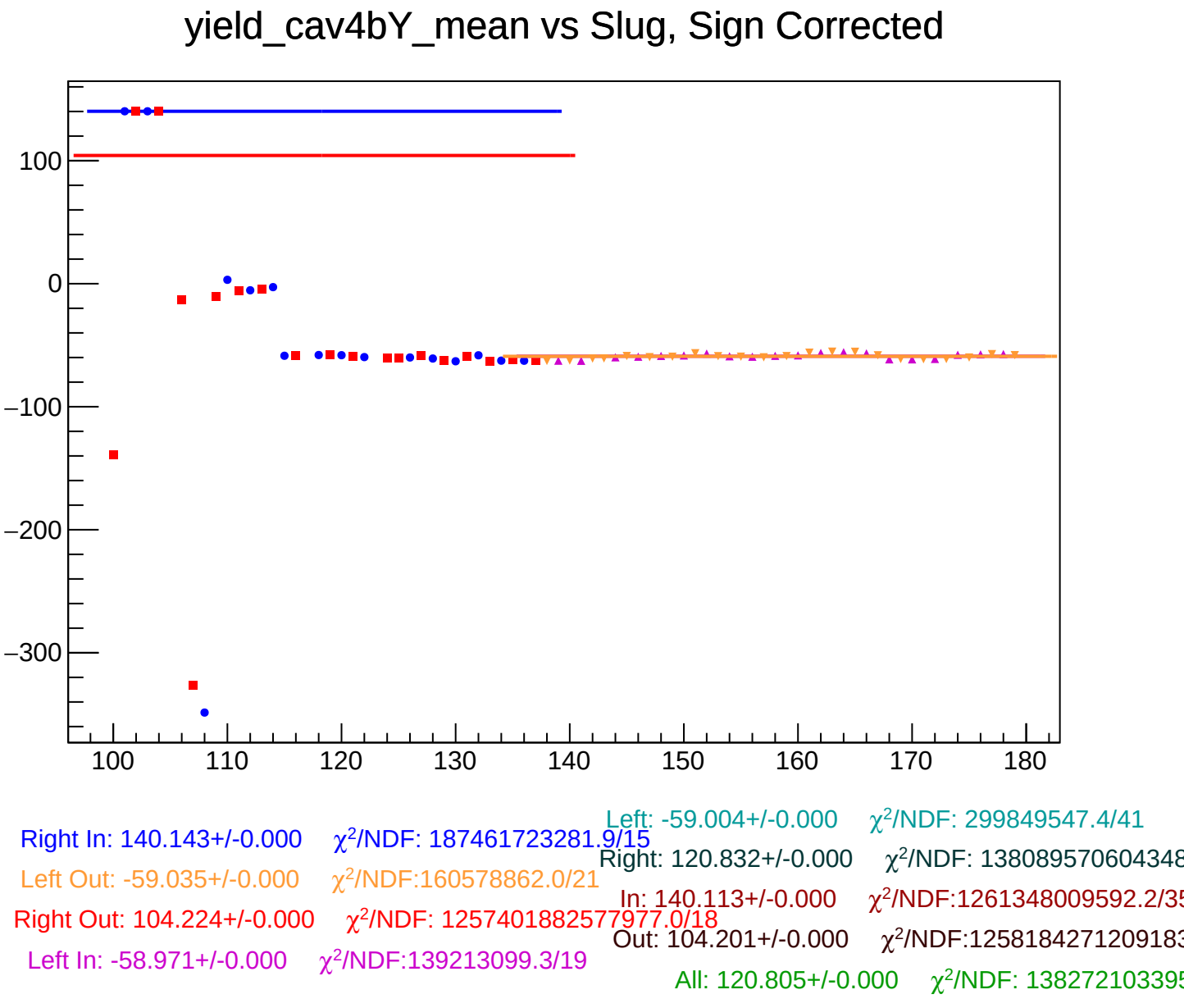
Left: 1.247+/-0.000 χ^2/NDF: 2400906.5/41

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

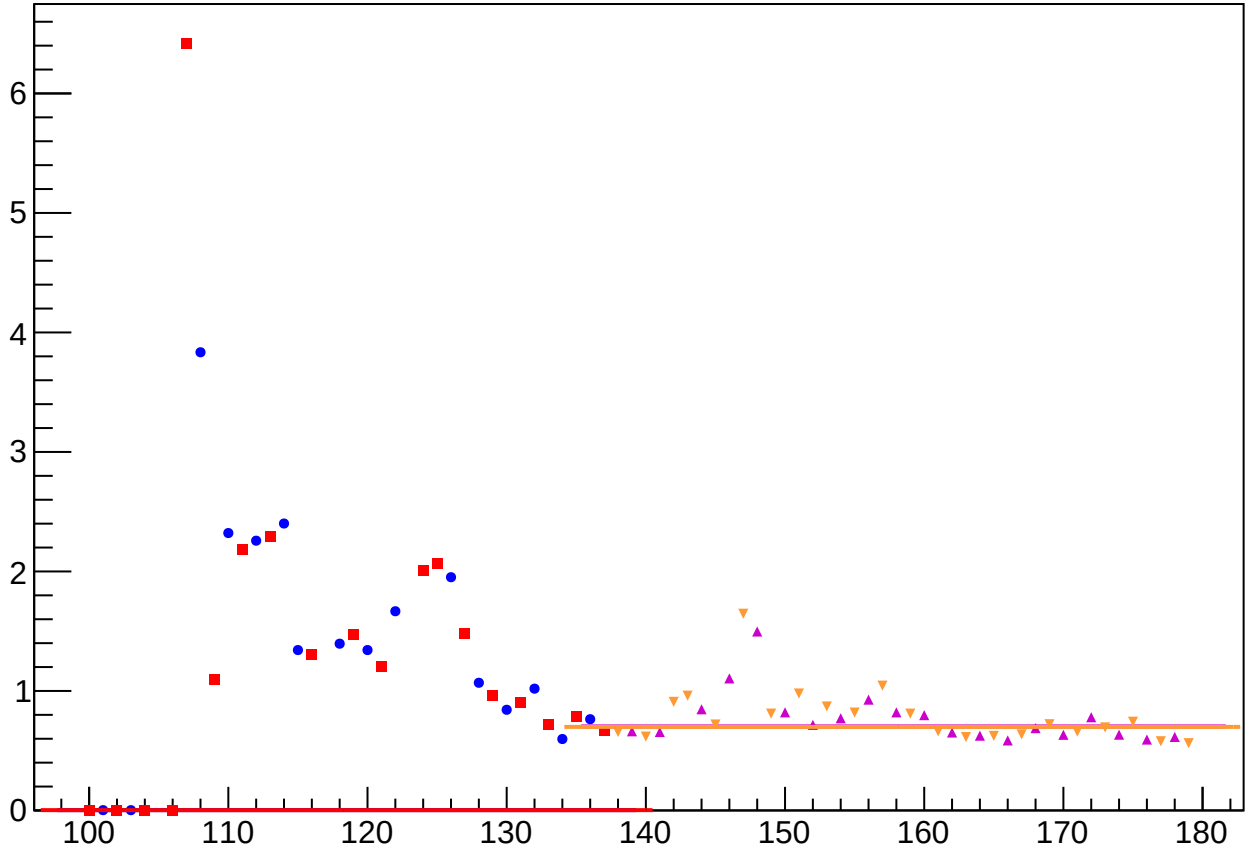
In: 0.003+/-0.000 χ^2/NDF:36189896.7/35

Out: 0.003+/-0.000 χ^2/NDF:38043184.3/40

All: 0.003+/-0.000 χ^2/NDF: 74233313.4/76


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.035+/-0.000 χ²/NDF:160578862.0/21
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -58.971+/-0.000 χ²/NDF:139213099.3/19
Left: -59.004+/-0.000 χ²/NDF: 299849547.4/41
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.113+/-0.000 χ²/NDF:1261348009592.2/35
Out: 104.201+/-0.000 χ²/NDF:125818427120918
All: 120.805+/-0.000 χ²/NDF: 13827210339

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.699+/-0.000 χ^2/NDF:1225669.9/21

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.703+/-0.000 χ^2/NDF:961666.0/19

Left: 0.701+/-0.000 χ^2/NDF: 2187803.2/41

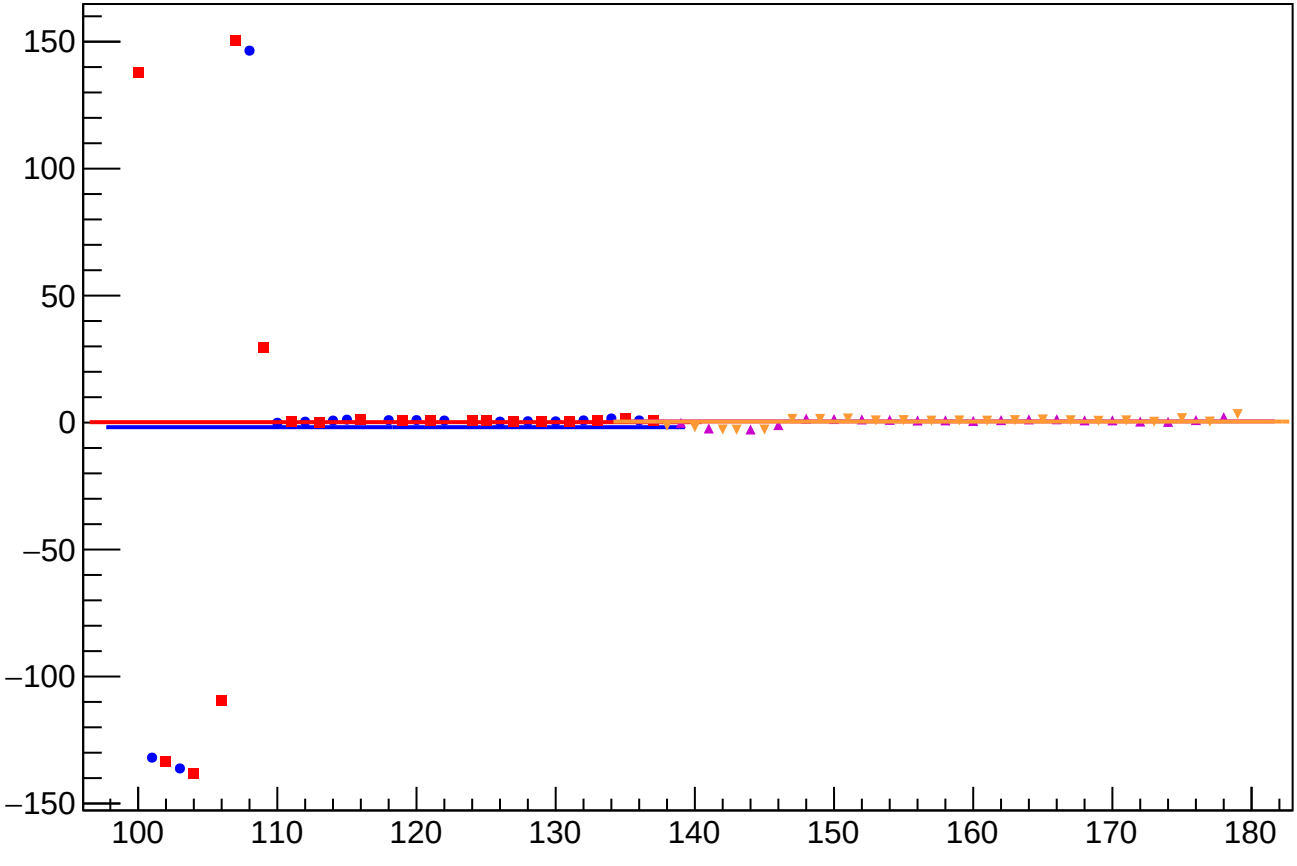
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:38131257.3/35

Out: 0.003+/-0.000 χ^2/NDF:39975799.9/40

All: 0.003+/-0.000 χ^2/NDF: 78107374.4/76

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.402+/-0.000 χ^2/NDF:138017571.6/21

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.485+/-0.000 χ^2/NDF:79648059.1/19

Left: 0.441+/-0.000 χ^2/NDF: 217845075.3/41

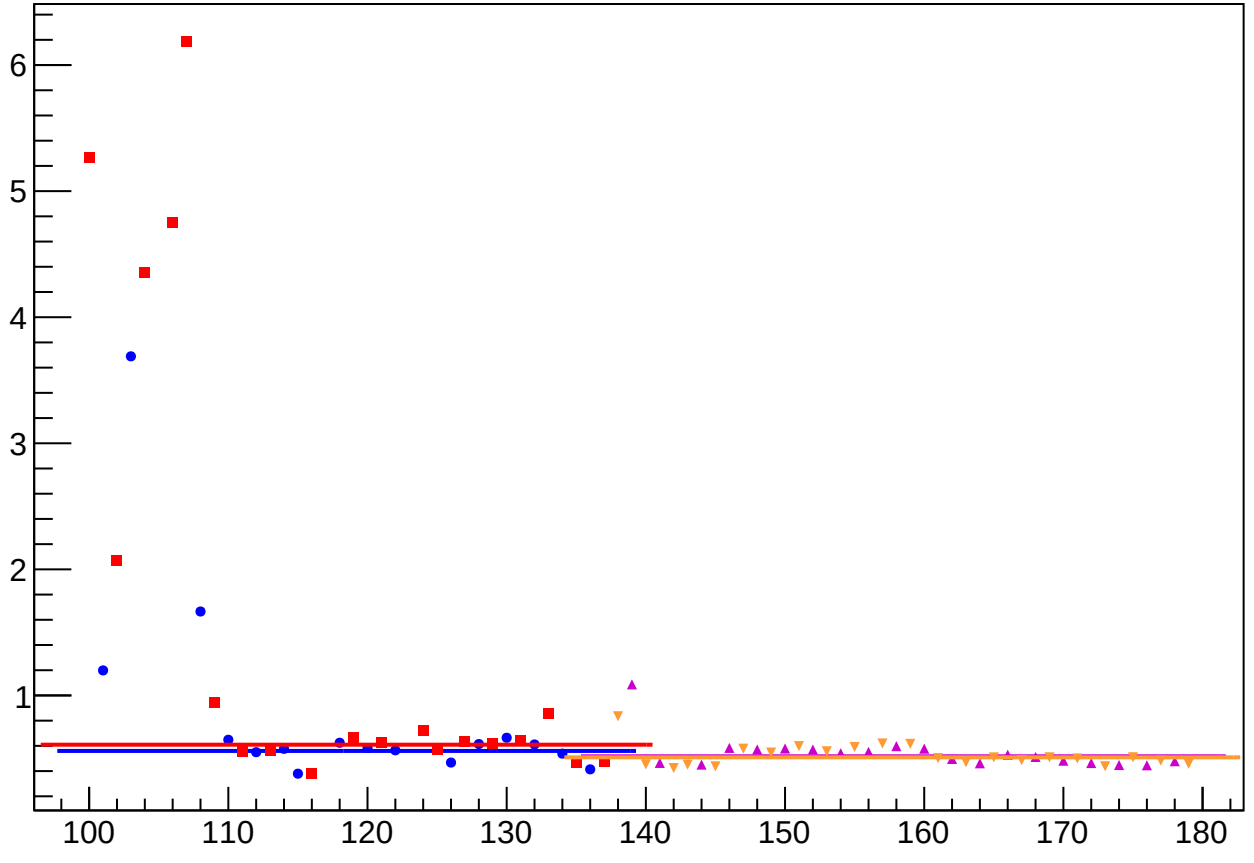
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.087+/-0.000 χ^2/NDF:10031143066.1/35

Out: 0.355+/-0.000 χ^2/NDF:3749866250.6/40

All: 0.138+/-0.000 χ^2/NDF: 13787464788.8/7

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.509+/-0.000 χ^2/NDF:543260.5/21

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.517+/-0.000 χ^2/NDF:728305.4/19

Left: 0.513+/-0.000 χ^2/NDF: 1275210.8/41

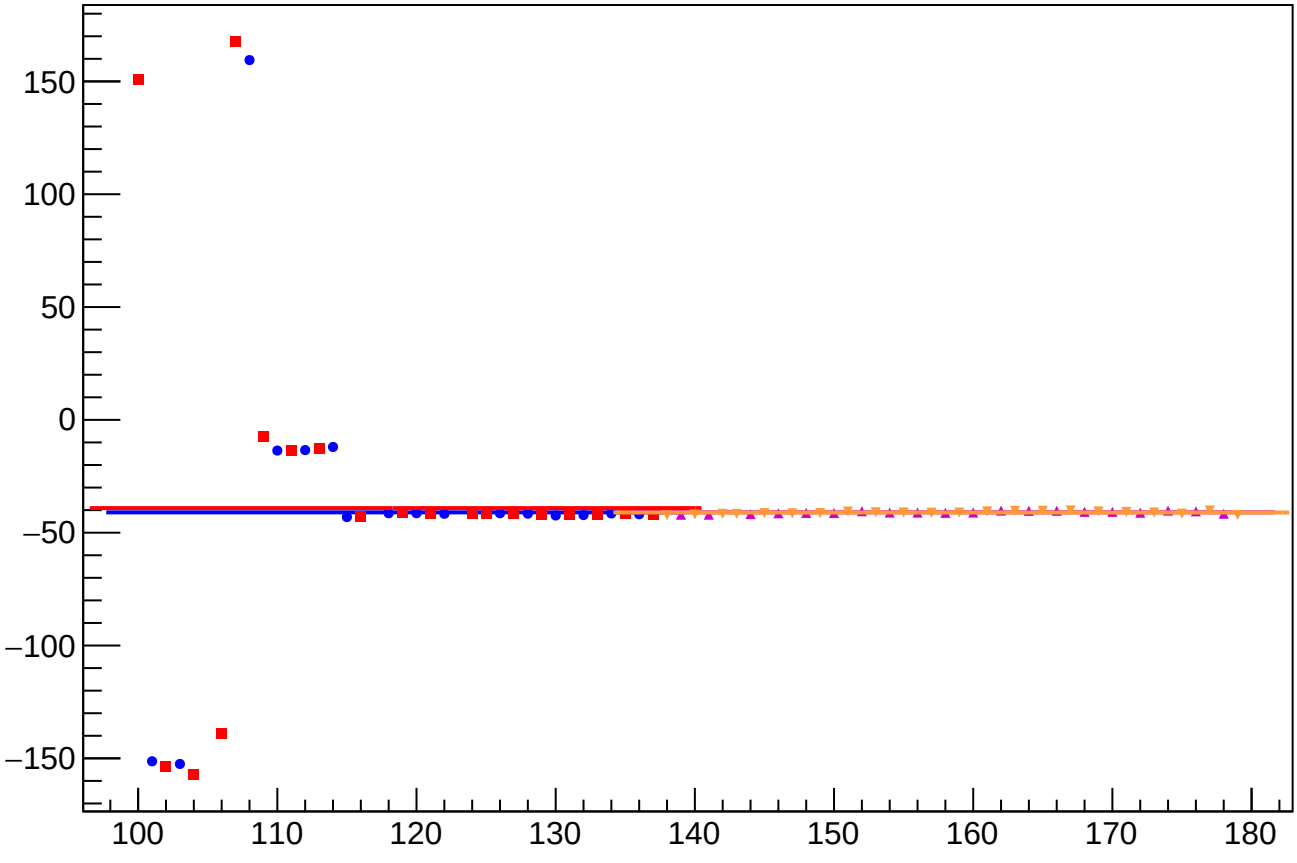
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.528+/-0.000 χ^2/NDF:2370365.7/35

Out: 0.529+/-0.000 χ^2/NDF:3235440.0/40

All: 0.528+/-0.000 χ^2/NDF: 5605863.3/76

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.041+/-0.000 χ^2/NDF:53893993.0/21

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -40.964+/-0.000 χ^2/NDF:37262081.1/19

Left: -41.005+/-0.000 χ^2/NDF: 91552911.9/41

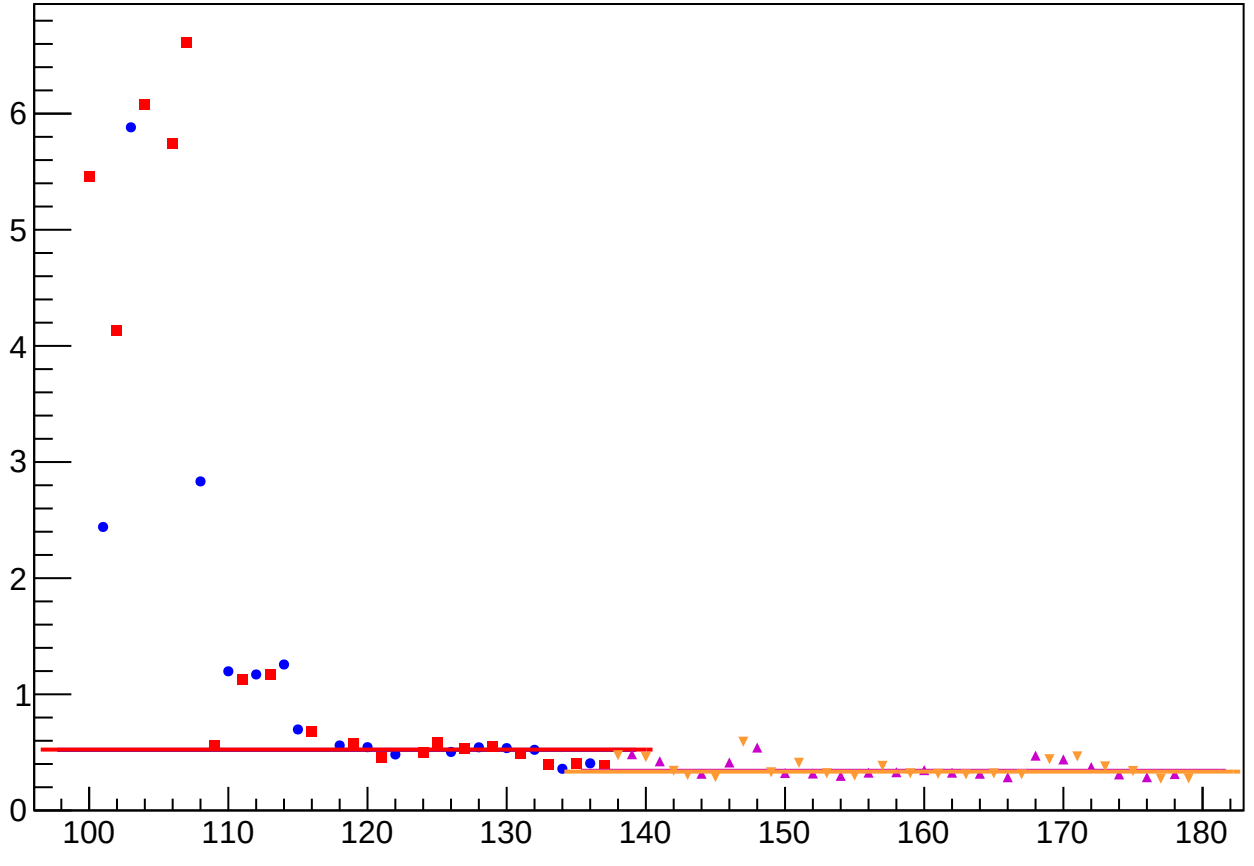
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.967+/-0.000 χ^2/NDF:3486892334.3/35

Out: -40.826+/-0.000 χ^2/NDF:2593935882.3/40

All: -40.893+/-0.000 χ^2/NDF: 6082369458.6/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.335+/-0.000 χ^2/NDF:1100981.3/21

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.342+/-0.000 χ^2/NDF:857017.0/19

Left: 0.338+/-0.000 χ^2/NDF: 1964651.5/41

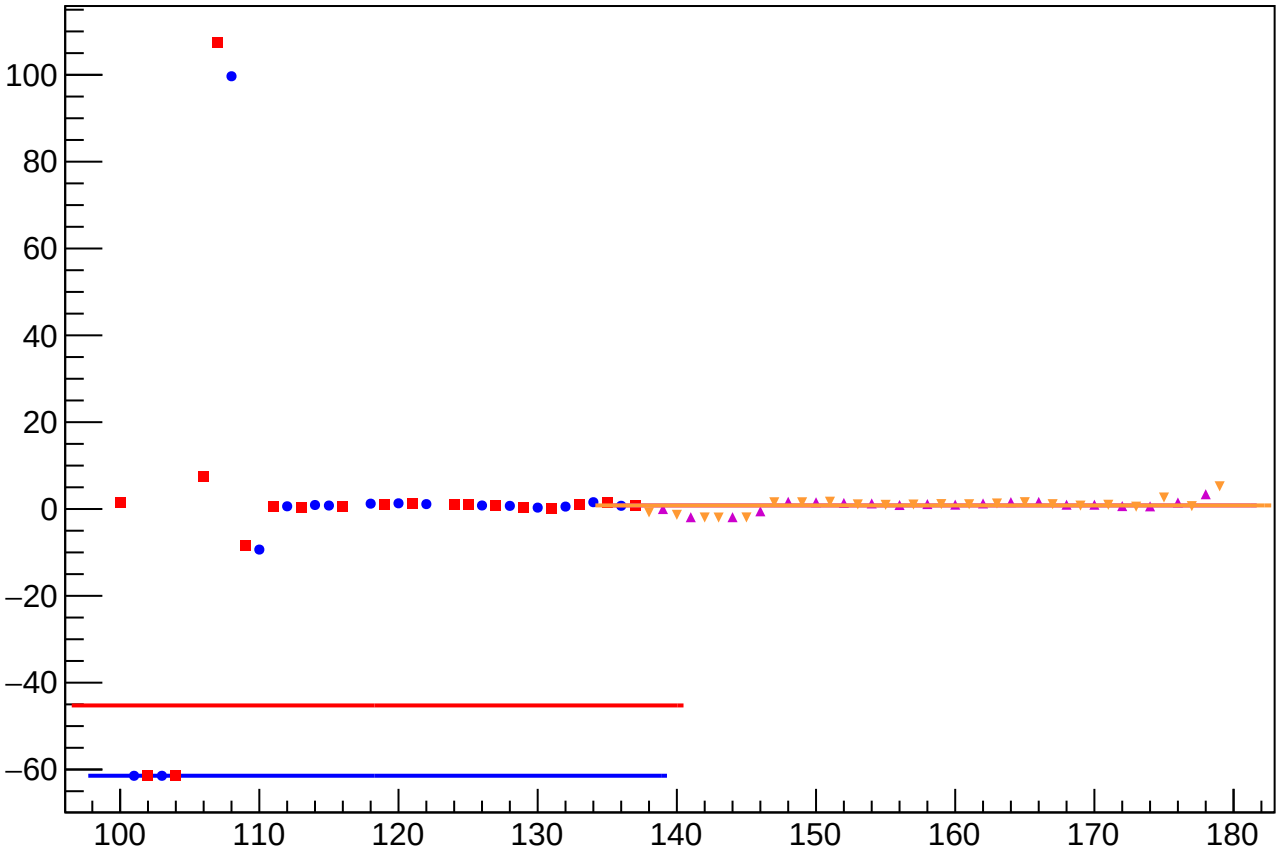
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.364+/-0.000 χ^2/NDF:4857512.8/35

Out: 0.356+/-0.000 χ^2/NDF:5507724.4/40

All: 0.360+/-0.000 χ^2/NDF: 10376651.0/76

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.826+/-0.000 χ^2/NDF:209362196.5/21

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.822+/-0.000 χ^2/NDF:107415416.3/19

Left: 0.824+/-0.000 χ^2/NDF: 316778209.8/41

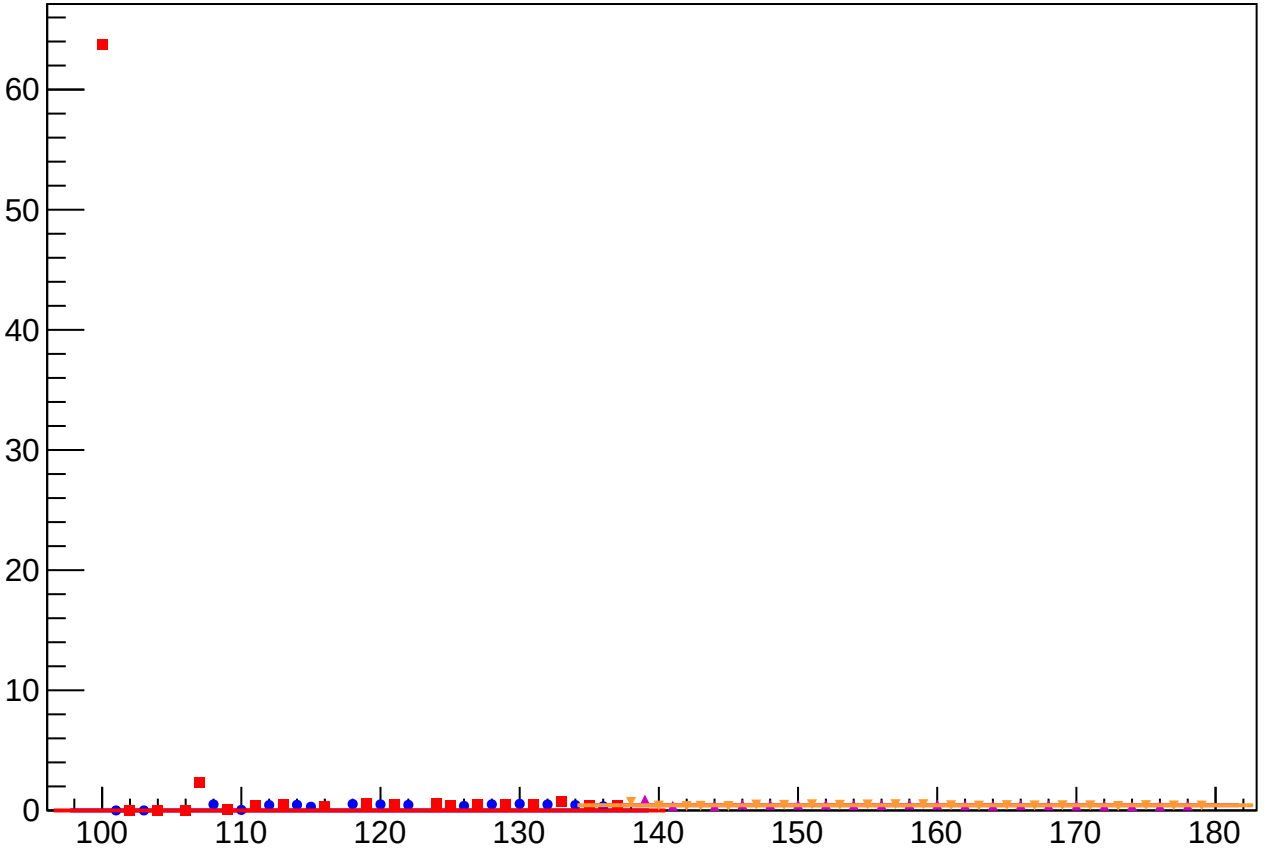
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.424+/-0.000 χ^2/NDF:536299424510.0/35

Out: -45.237+/-0.000 χ^2/NDF:358030528429508.2

All: -52.739+/-0.000 χ^2/NDF: 409533090623

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.432+/-0.000 χ^2/NDF:520789.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.440+/-0.000 χ^2/NDF:688759.8/19

Left: 0.436+/-0.000 χ^2/NDF: 1214019.0/41

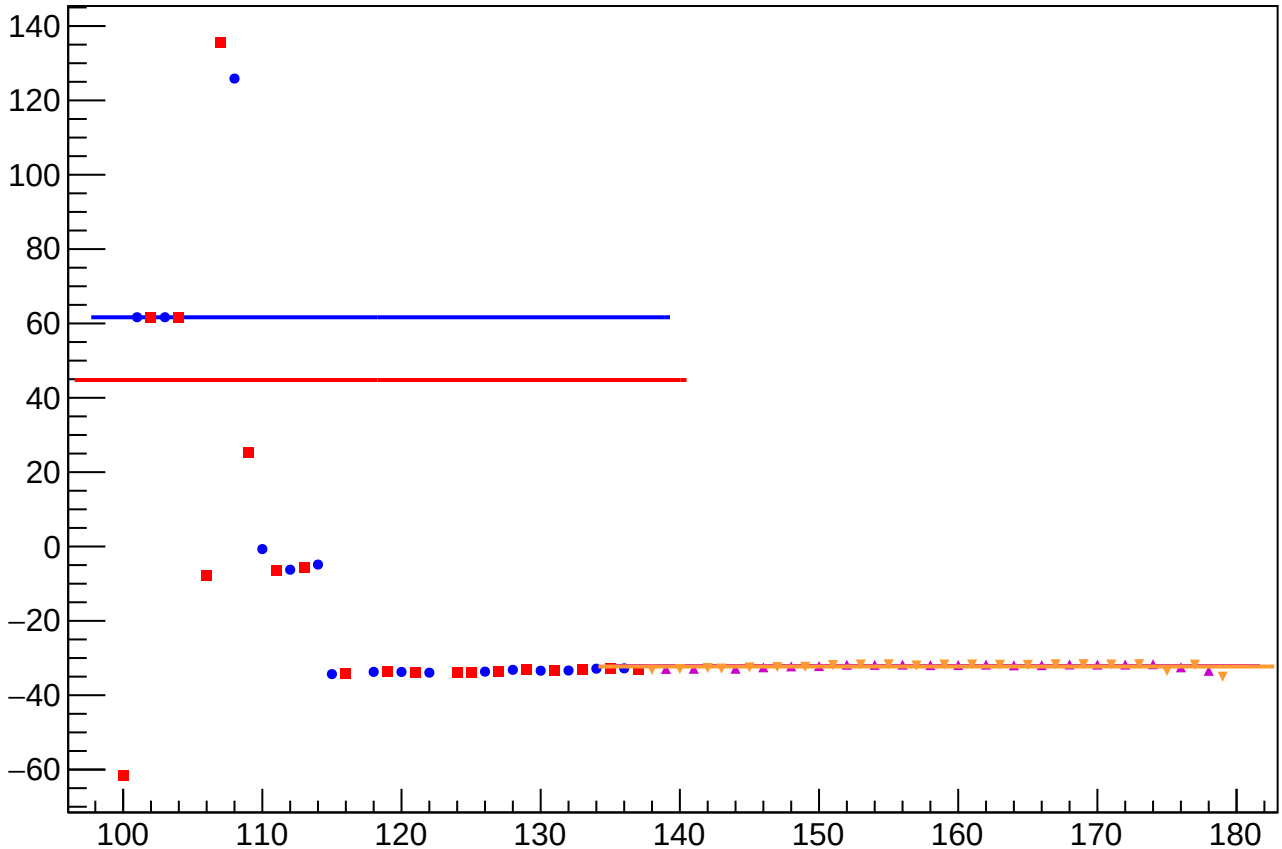
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:35924855.2/35

Out: 0.002+/-0.000 χ^2/NDF:37834827.9/40

All: 0.002+/-0.000 χ^2/NDF: 73759702.3/76

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.277+/-0.000 χ^2/NDF:141517341.0/21

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.140+/-0.000 χ^2/NDF:47748285.7/19

Left: -32.211+/-0.000 χ^2/NDF: 191070436.3/41

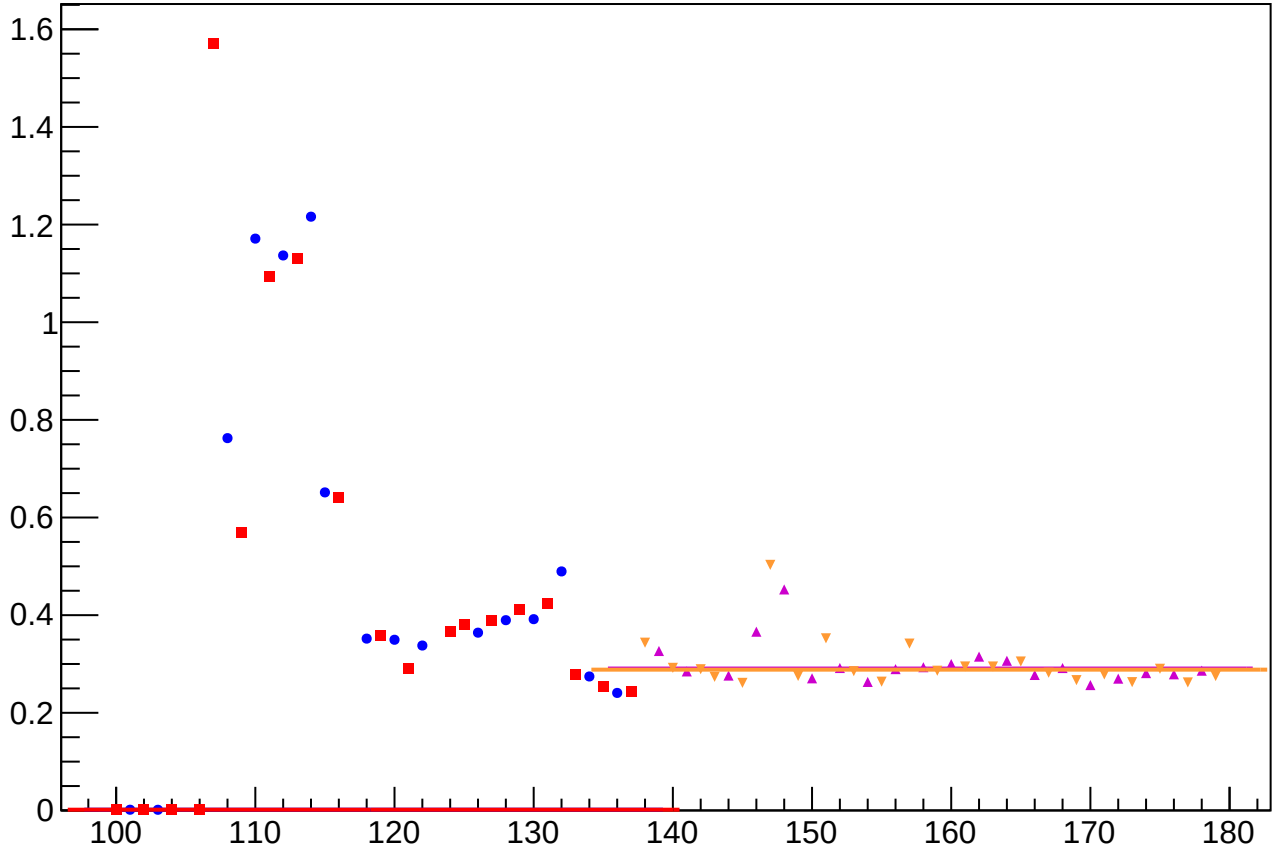
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.611+/-0.000 χ^2/NDF:1988143499418.1/35

Out: 44.745+/-0.000 χ^2/NDF:367280576862238.3

All: 52.643+/-0.000 χ^2/NDF: 420333414396

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.288+/-0.000 χ^2/NDF:510650.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.291+/-0.000 χ^2/NDF:383936.3/19

Left: 0.289+/-0.000 χ^2/NDF: 895565.8/41

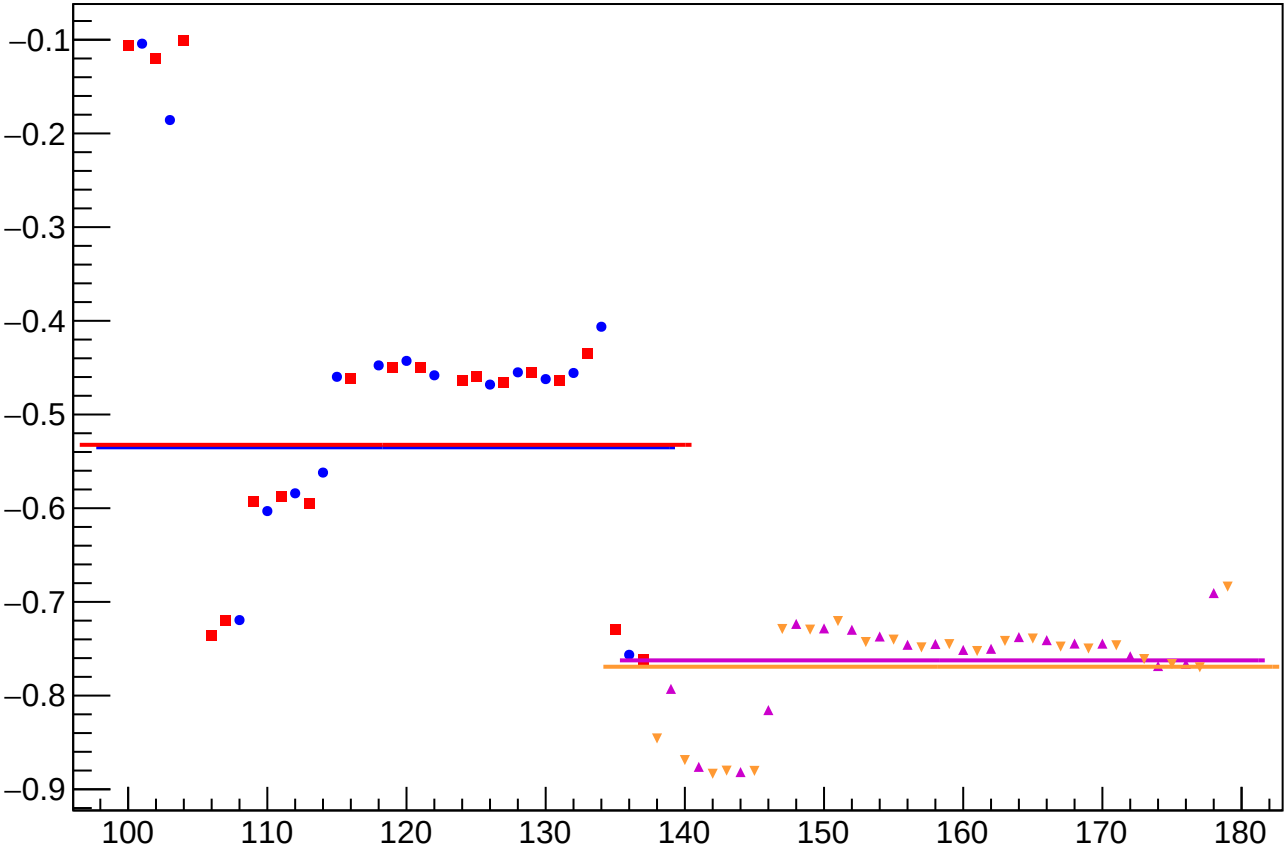
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:42165459.3/35

Out: 0.002+/-0.000 χ^2/NDF:43925850.3/40

All: 0.002+/-0.000 χ^2/NDF: 86091351.1/76

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.769+/-0.000 χ^2/NDF:131964170.2/21

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.762+/-0.000 χ^2/NDF:90287022.6/19

Left: -0.766+/-0.000 χ^2/NDF: 223143483.5/41

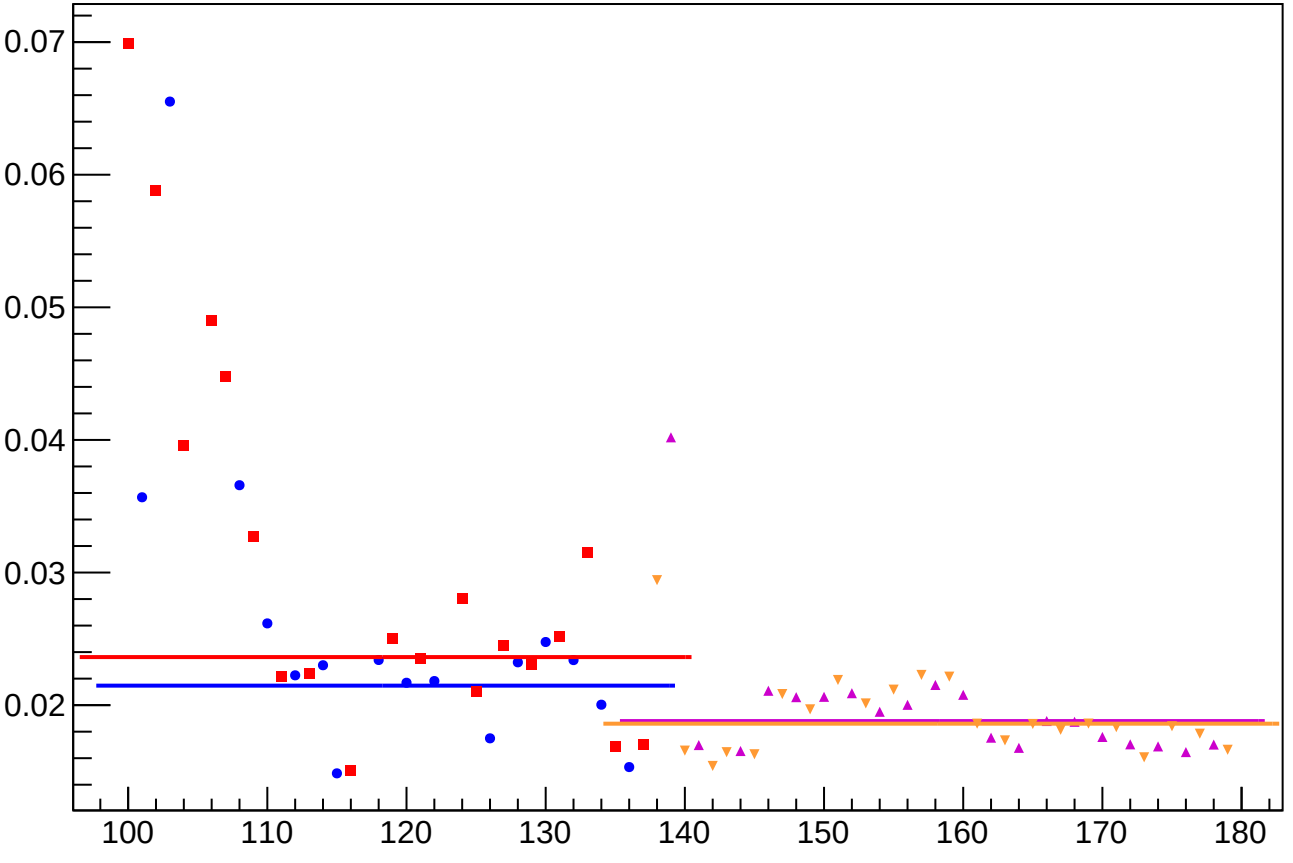
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.708+/-0.000 χ^2/NDF:848302781.9/35

Out: -0.722+/-0.000 χ^2/NDF:795839040.0/40

All: -0.715+/-0.000 χ^2/NDF: 1649294253.7/7

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:476657.5/21

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:706536.5/19

Left: 0.019+/-0.000 χ^2/NDF: 1184682.3/41

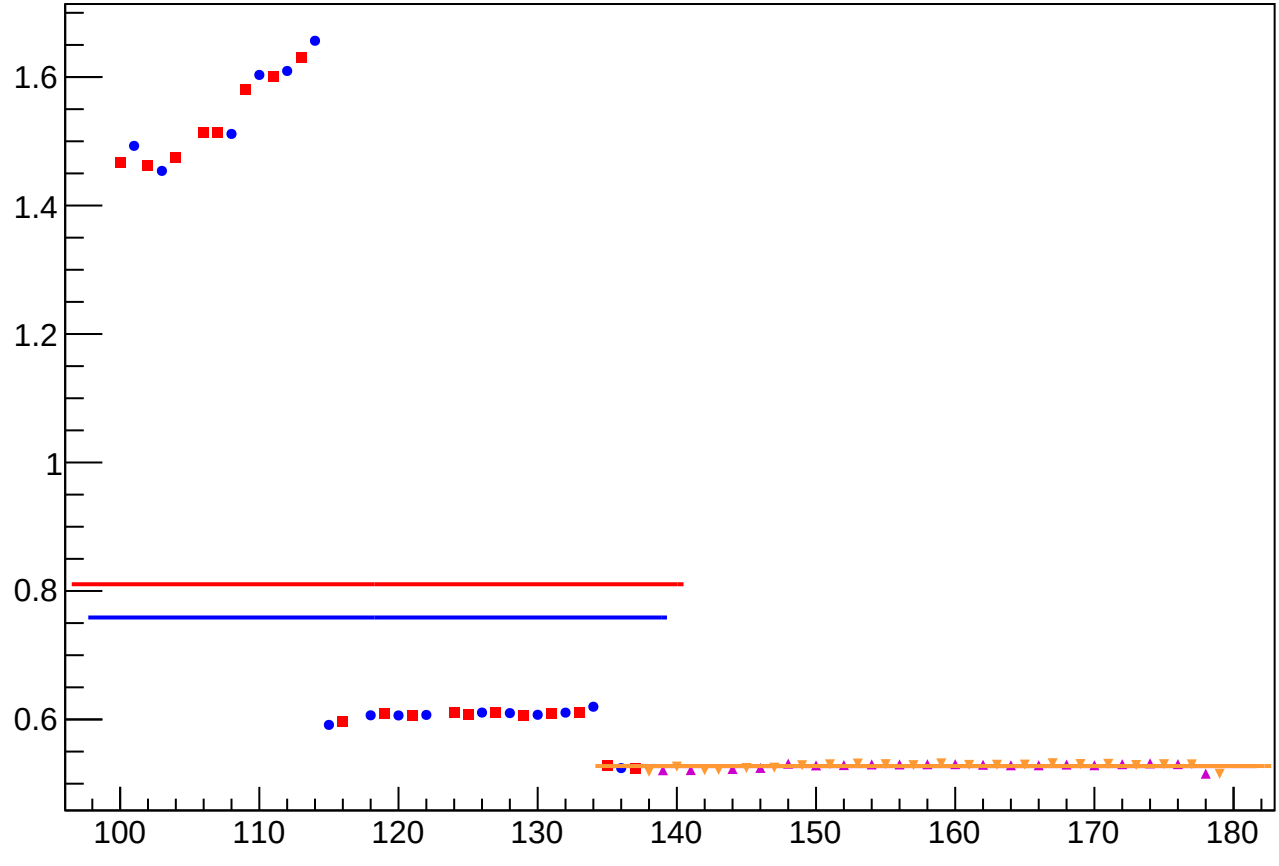
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.019+/-0.000 χ^2/NDF:1986826.3/35

Out: 0.020+/-0.000 χ^2/NDF:2158418.5/40

All: 0.020+/-0.000 χ^2/NDF: 4146465.0/76

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:2538891.7/21

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:2060821.9/19

Left: 0.527+/-0.000 χ^2/NDF: 4600265.2/41

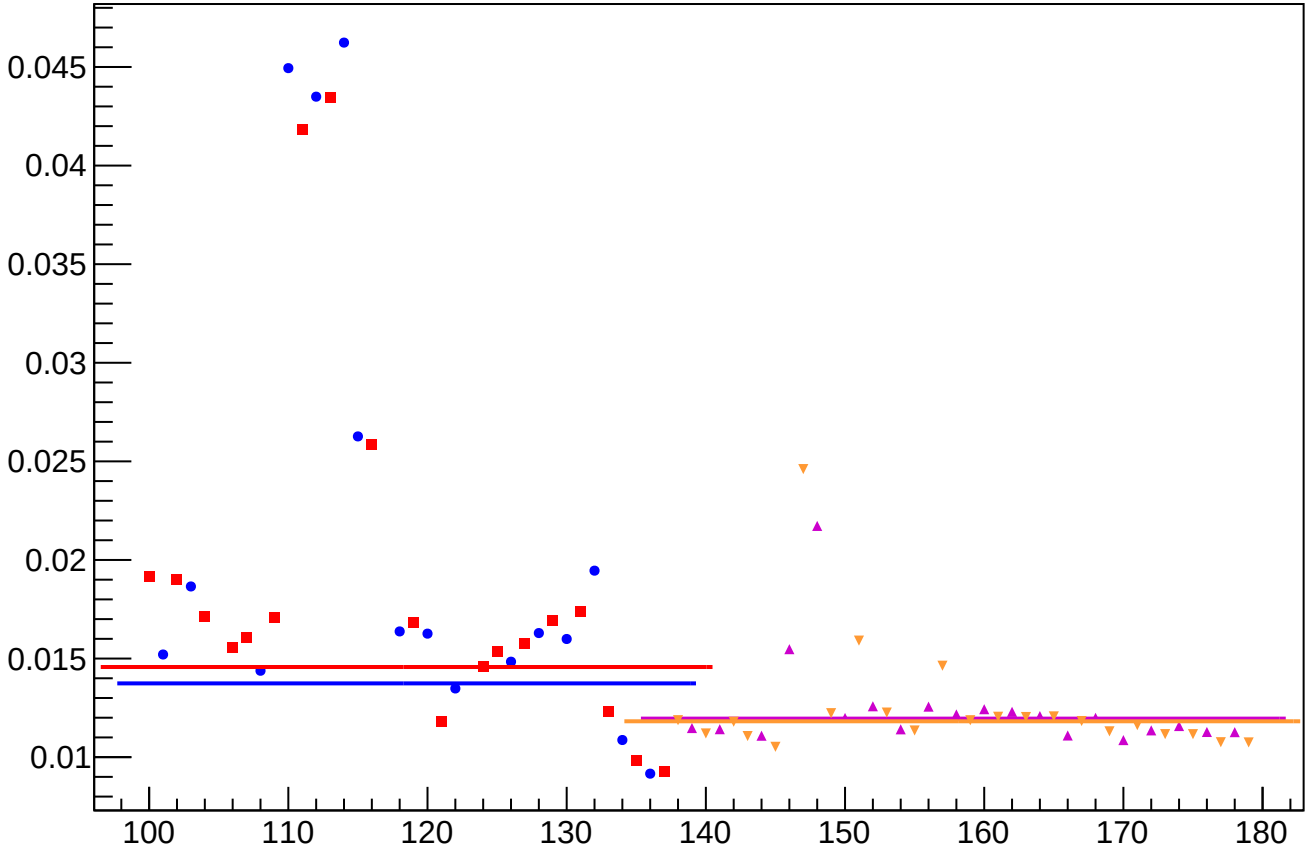
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.579+/-0.000 χ^2/NDF:5615874685.3/35

Out: 0.583+/-0.000 χ^2/NDF:6659761268.5/40

All: 0.581+/-0.000 χ^2/NDF: 12276927012.7/7

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:680177.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:473956.1/19

Left: 0.012+/-0.000 χ^2/NDF: 1156210.5/41

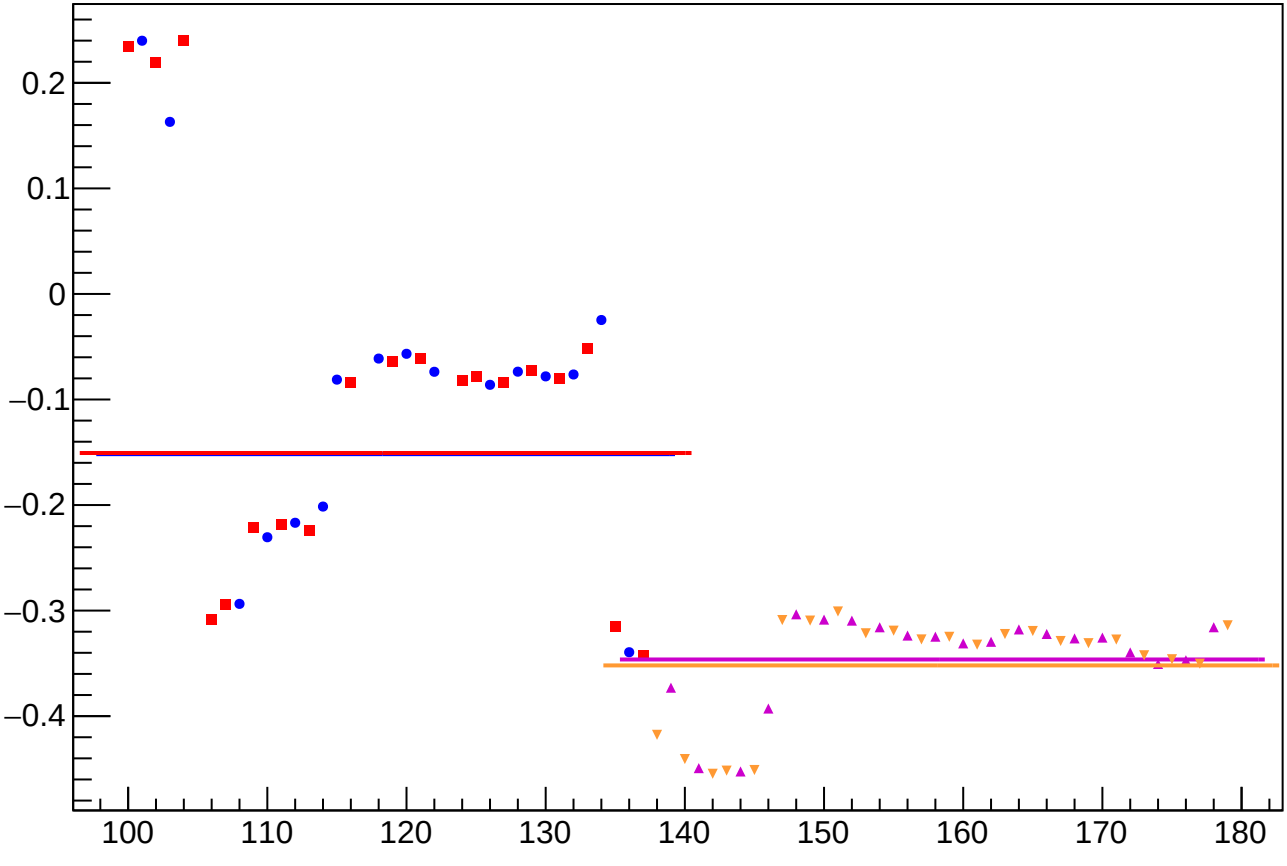
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2280000.4/35

Out: 0.012+/-0.000 χ^2/NDF:2492458.4/40

All: 0.012+/-0.000 χ^2/NDF: 4772470.3/76

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.352+/-0.000 χ^2/NDF:111093989.0/21

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.346+/-0.000 χ^2/NDF:79854888.0/19

Left: -0.349+/-0.000 χ^2/NDF: 191590840.1/41

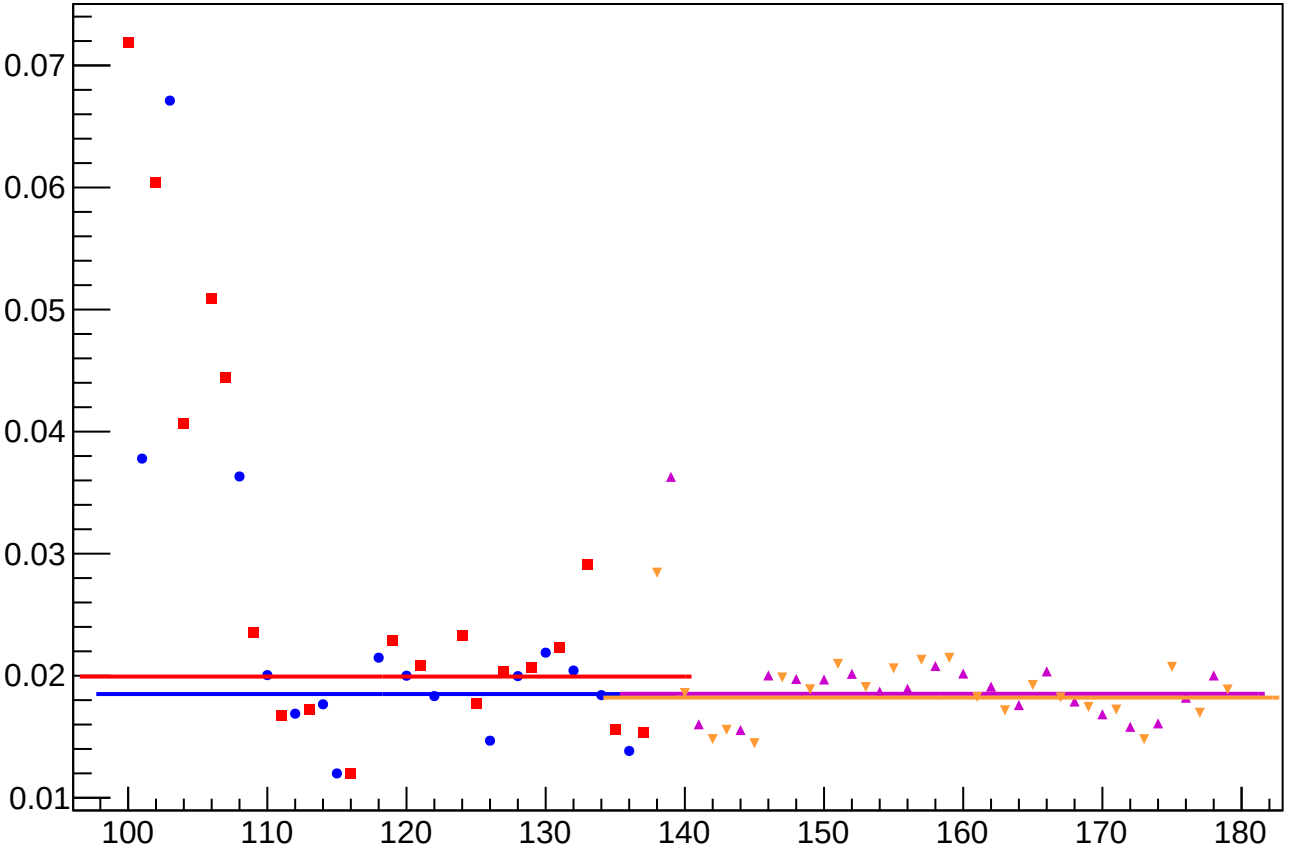
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.291+/-0.000 χ^2/NDF:773600022.1/35

Out: -0.303+/-0.000 χ^2/NDF:731120700.1/40

All: -0.297+/-0.000 χ^2/NDF: 1508900289.1/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:547888.1/21

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:643426.4/19

Left: 0.018+/-0.000 χ^2/NDF: 1195236.8/41

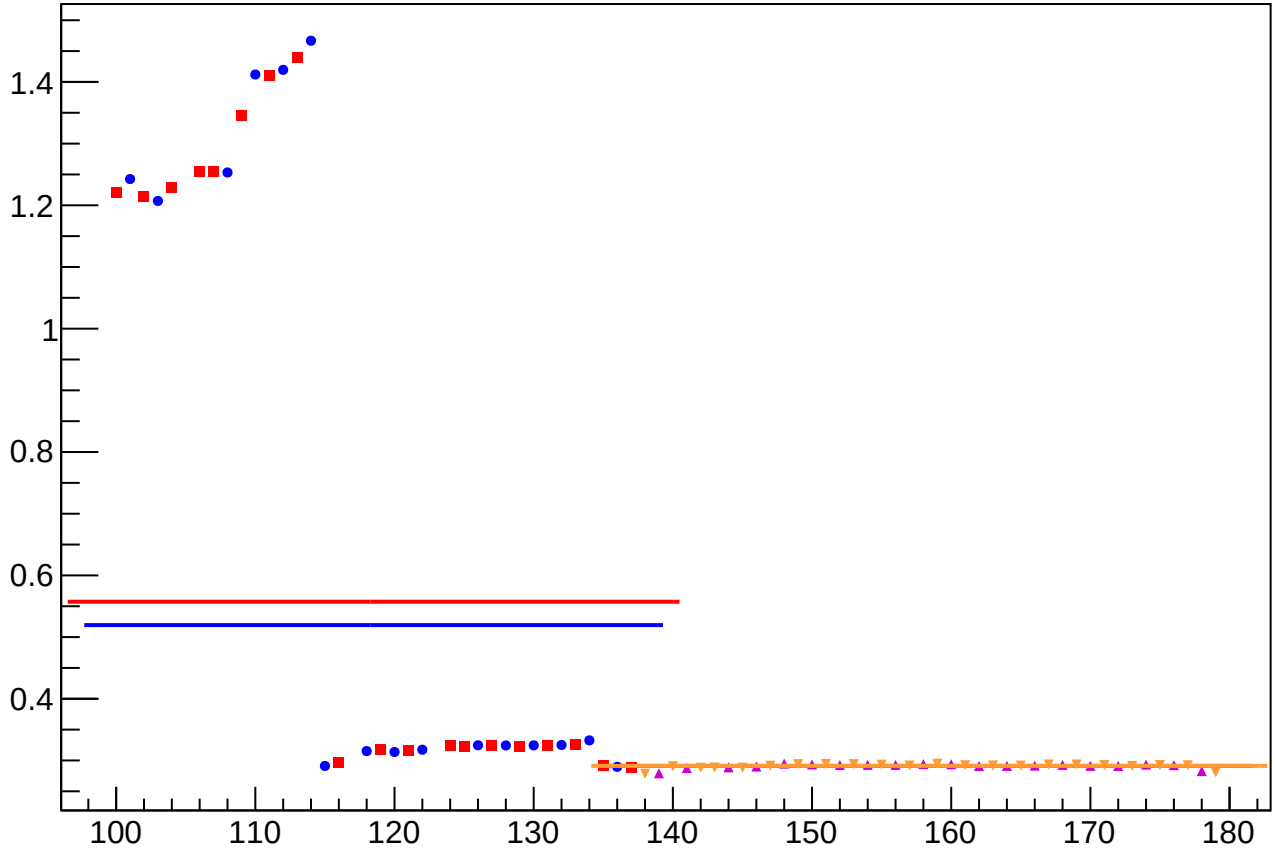
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:2015792.9/35

Out: 0.019+/-0.000 χ^2/NDF:2157275.8/40

All: 0.019+/-0.000 χ^2/NDF: 4173770.6/76

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1848056.8/21

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1600447.4/19

Left: 0.291+/-0.000 χ^2/NDF: 3448868.8/41

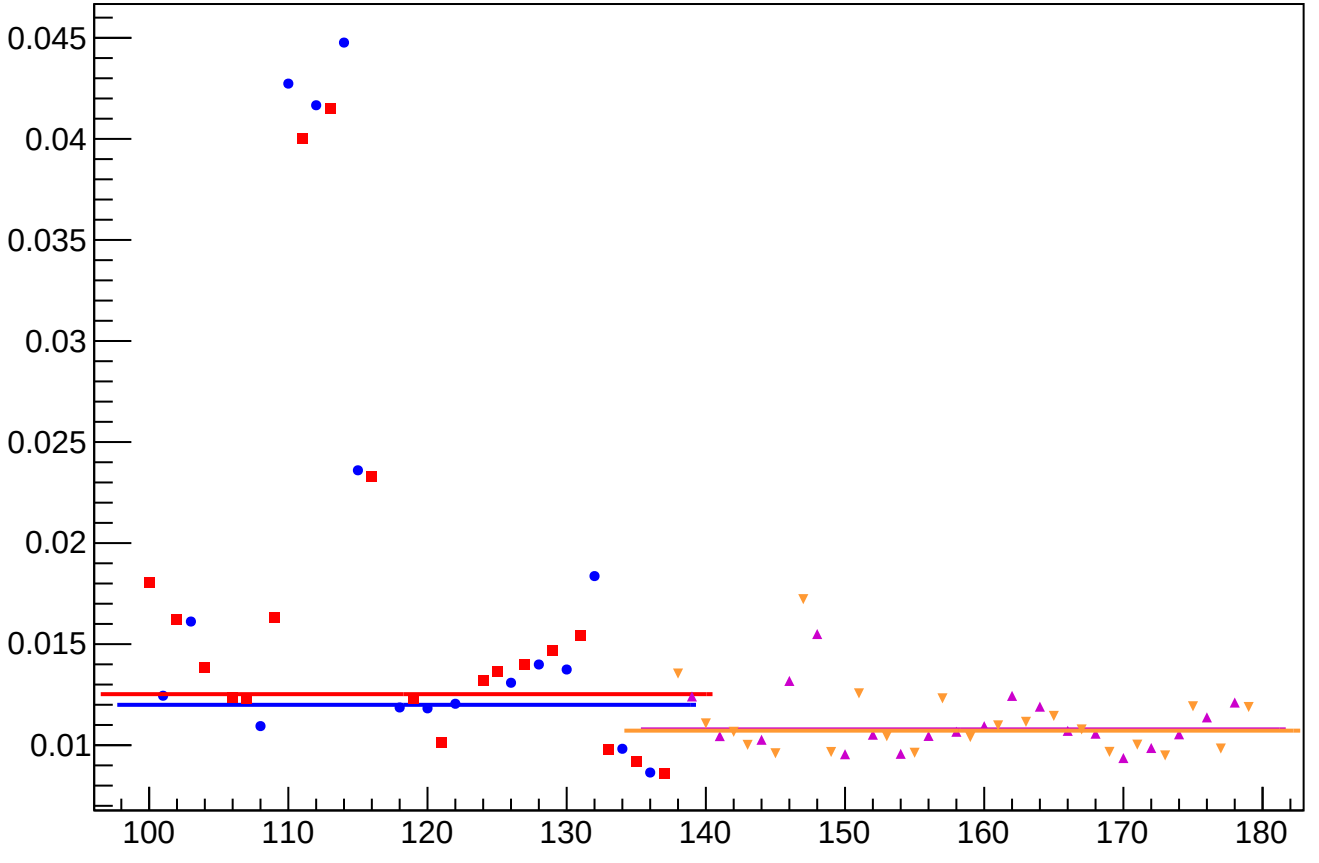
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.345+/-0.000 χ^2/NDF:7967387125.0/35

Out: 0.348+/-0.000 χ^2/NDF:8923483274.6/40

All: 0.347+/-0.000 χ^2/NDF: 16891492062.7/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:531237.4/21

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:407438.6/19

Left: 0.011+/-0.000 χ^2/NDF: 939216.4/41

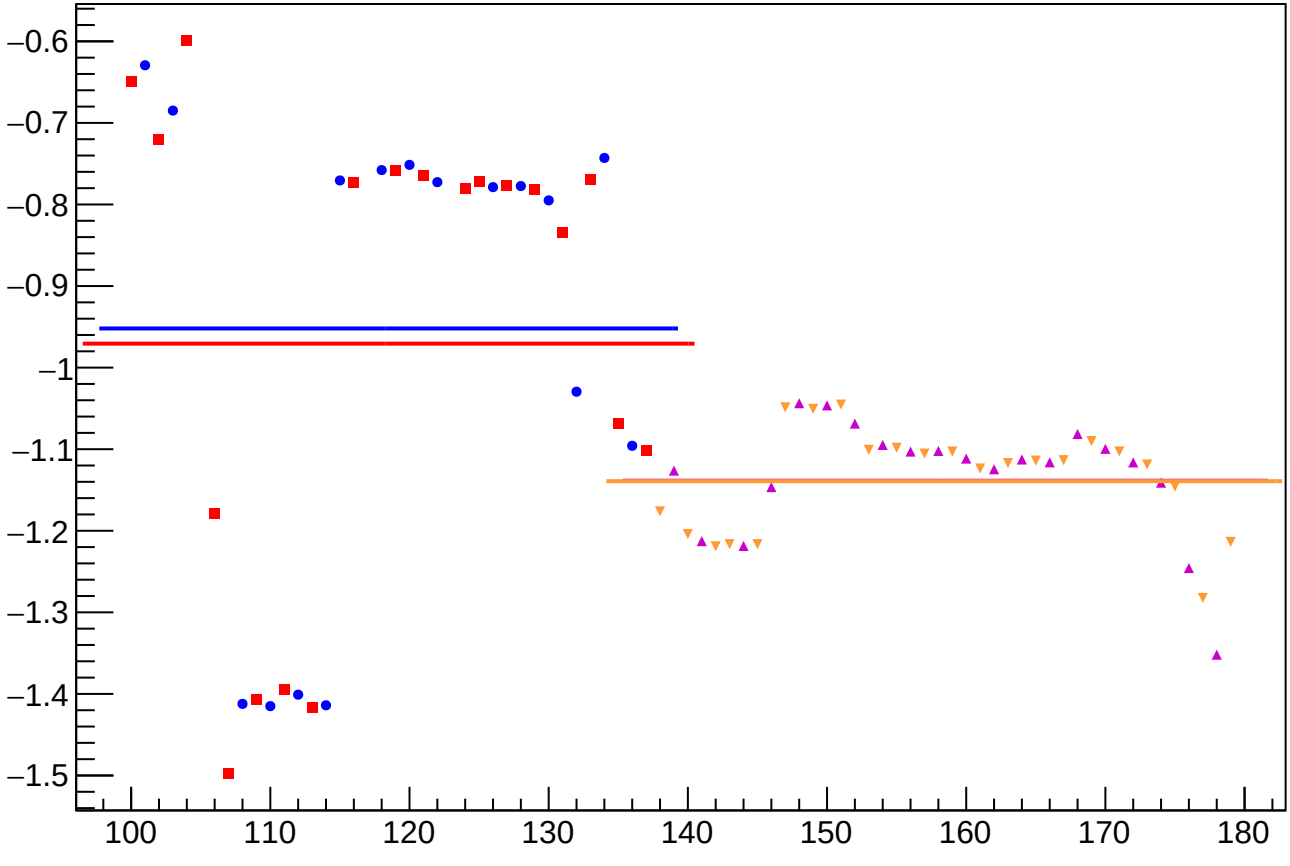
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1992338.1/35

Out: 0.011+/-0.000 χ^2/NDF:2165749.2/40

All: 0.011+/-0.000 χ^2/NDF: 4158295.1/76

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.139+/-0.000 χ^2/NDF:167201407.3/21

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.139+/-0.000 χ^2/NDF:220476419.8/19

Left: -1.139+/-0.000 χ^2/NDF: 387683189.3/41

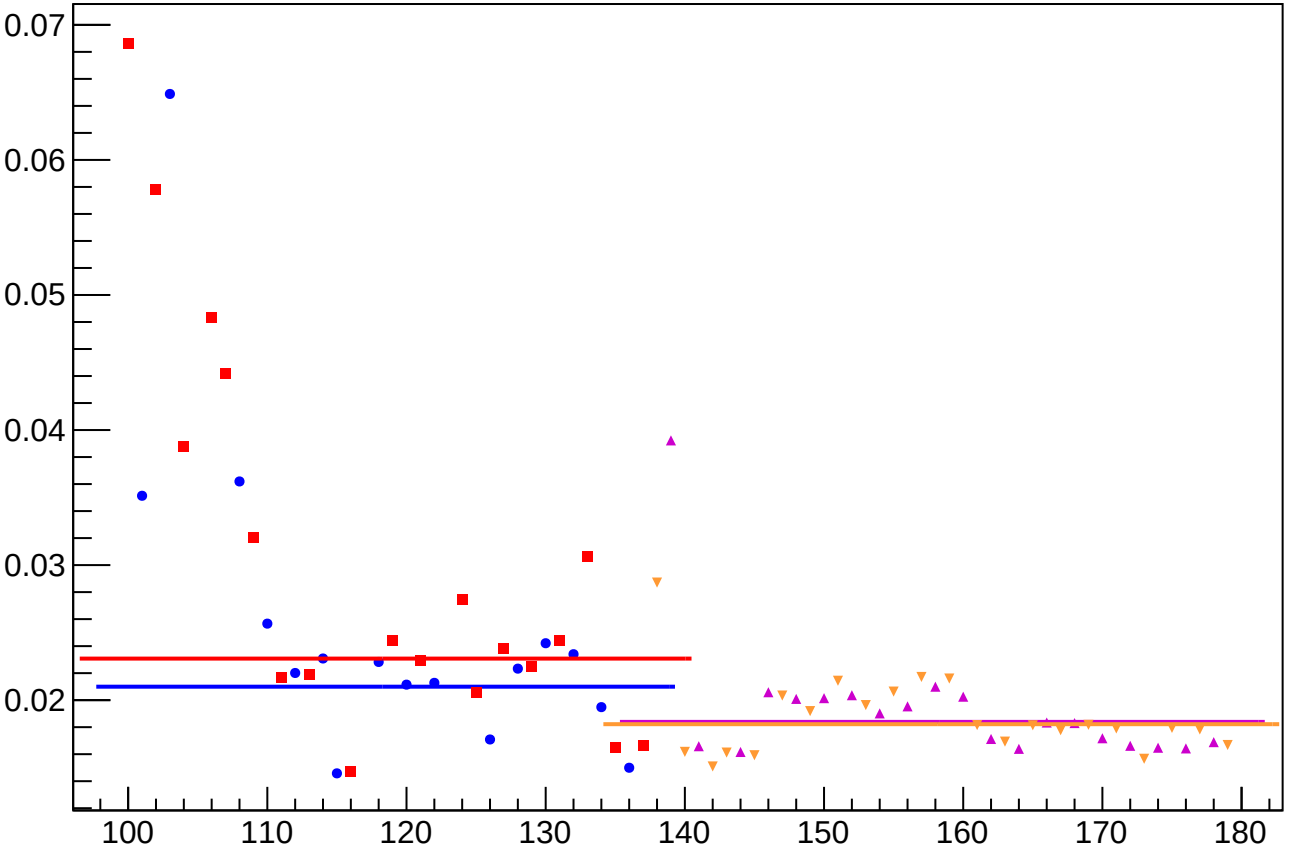
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.094+/-0.000 χ^2/NDF:1241651902.9/35

Out: -1.106+/-0.000 χ^2/NDF:1119588611.2/40

All: -1.100+/-0.000 χ^2/NDF: 2364824662.7/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:462894.0/21

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.018+/-0.000 χ^2/NDF:693608.0/19

Left: 0.018+/-0.000 χ^2/NDF: 1157666.6/41

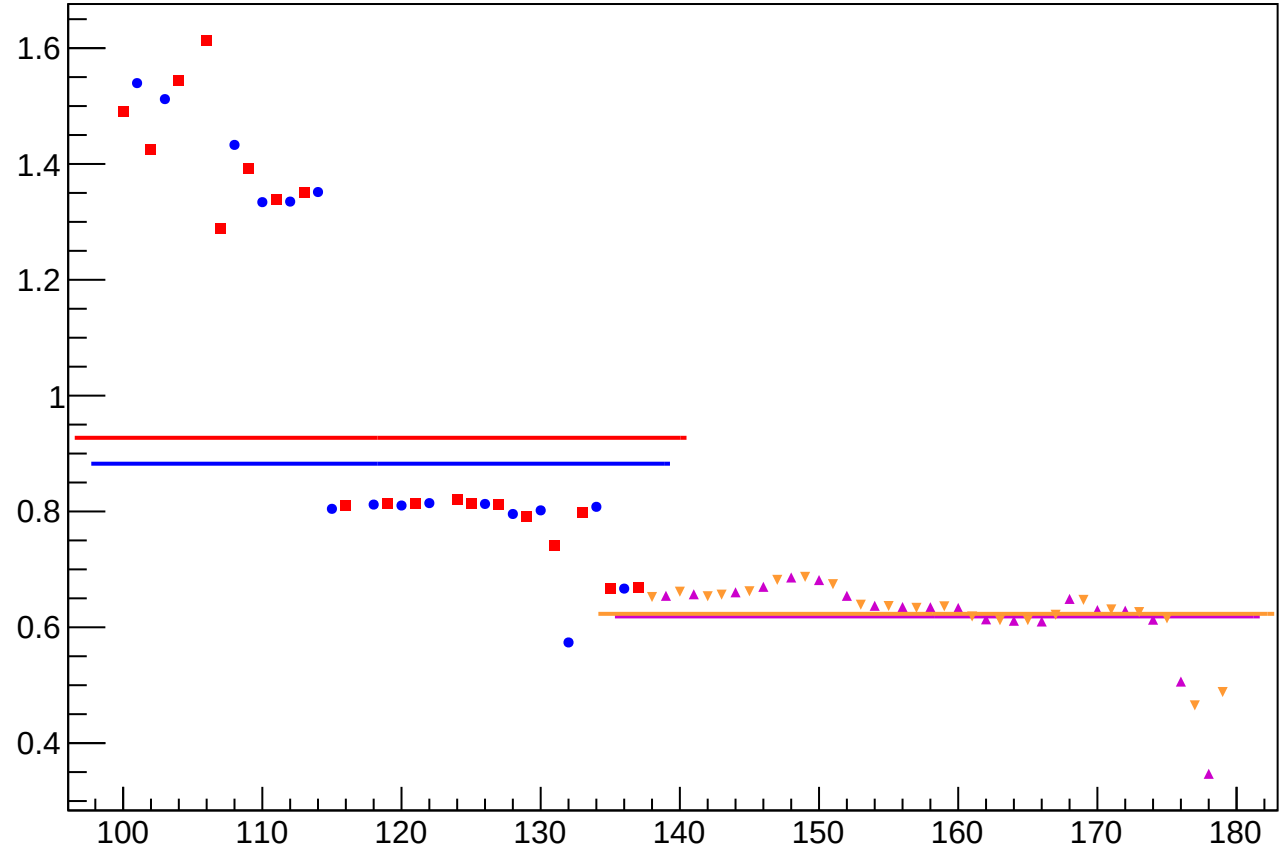
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1986055.6/35

Out: 0.019+/-0.000 χ^2/NDF:2138942.9/40

All: 0.019+/-0.000 χ^2/NDF: 4126469.3/76

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.623+/-0.000 χ^2/NDF:352151273.7/21

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.619+/-0.000 χ^2/NDF:595194735.4/19

Left: 0.621+/-0.000 χ^2/NDF: 948472481.1/41

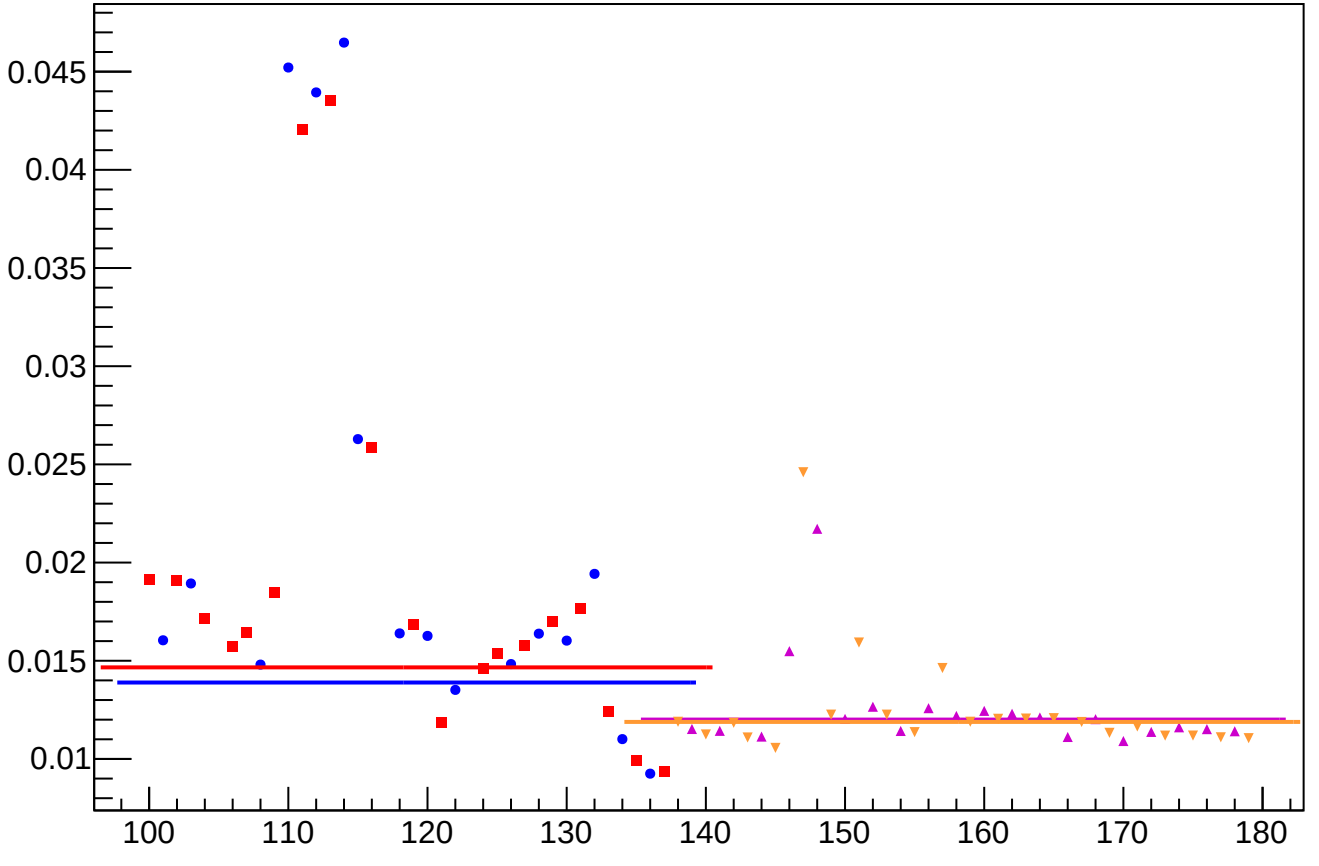
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.677+/-0.000 χ^2/NDF:5043005877.9/35

Out: 0.683+/-0.000 χ^2/NDF:5256420785.7/40

All: 0.680+/-0.000 χ^2/NDF: 10302036882.4/7

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:657537.0/21

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:465579.1/19

Left: 0.012+/-0.000 χ^2/NDF: 1124697.0/41

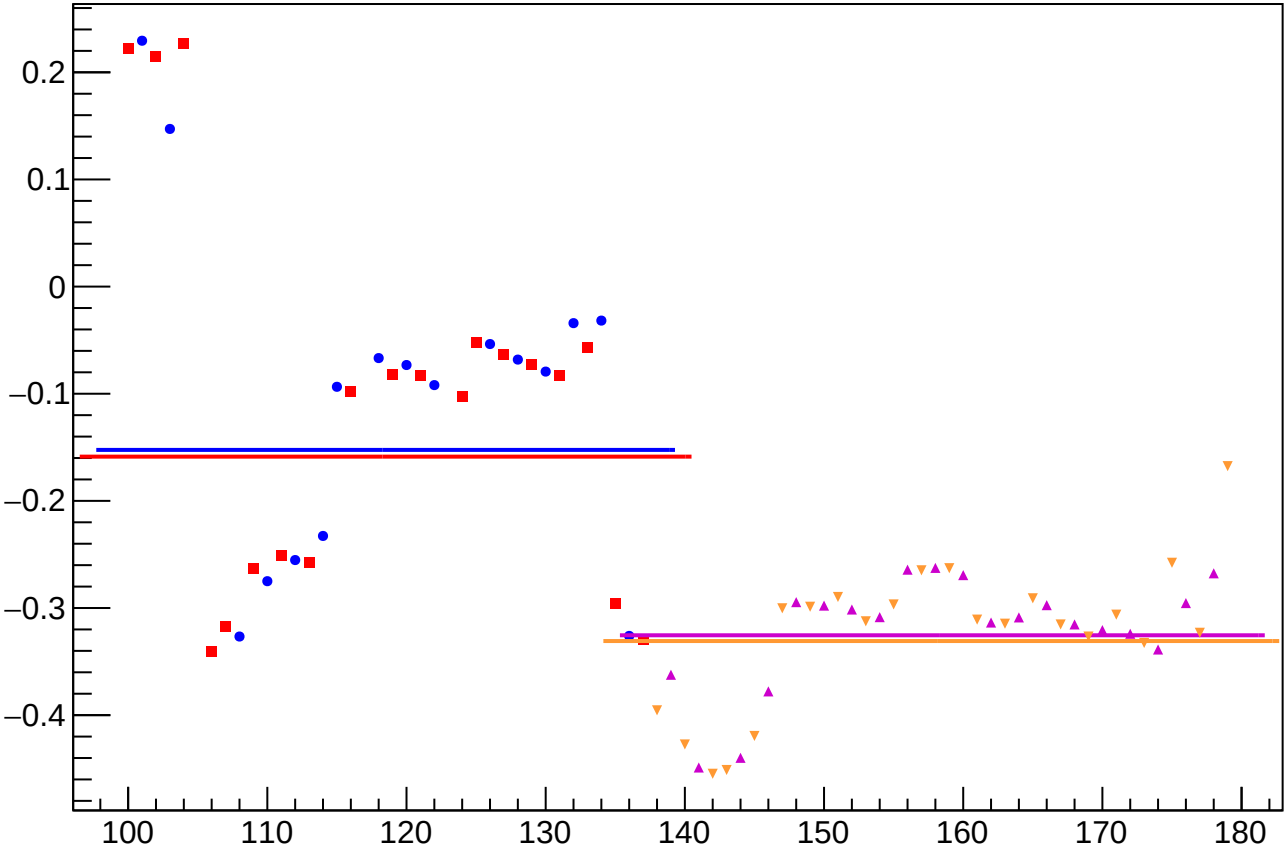
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2282794.2/35

Out: 0.012+/-0.000 χ^2/NDF:2482094.7/40

All: 0.012+/-0.000 χ^2/NDF: 4764907.2/76

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.331+/-0.000 χ^2/NDF:153497913.3/21

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.325+/-0.000 χ^2/NDF:111451856.4/19

Left: -0.328+/-0.000 χ^2/NDF: 265525995.1/41

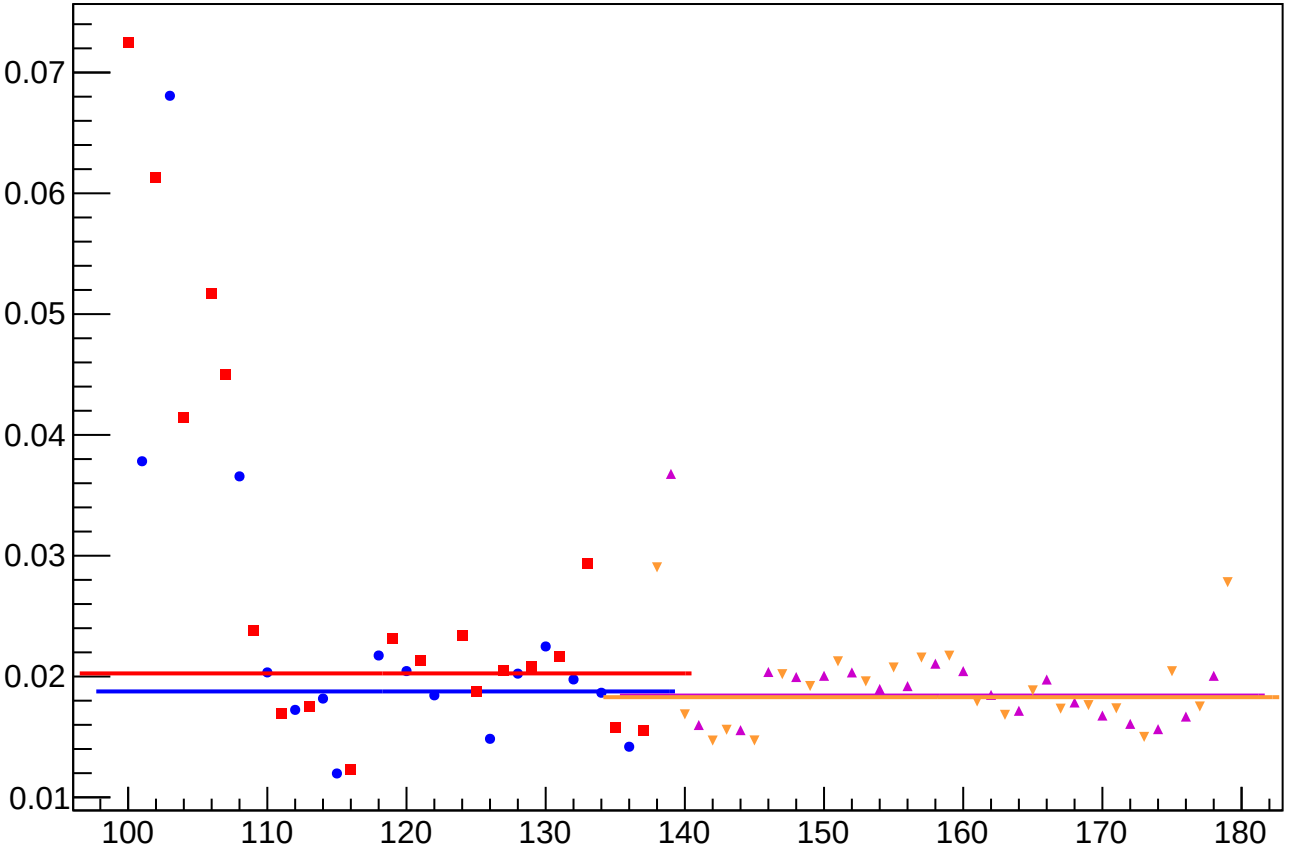
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708817619.5/35

Out: -0.289+/-0.000 χ^2/NDF:646489729.5/40

All: -0.283+/-0.000 χ^2/NDF: 1359182932.0/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:682900.4/21

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:692969.3/19

Left: 0.018+/-0.000 χ^2/NDF: 1376591.4/41

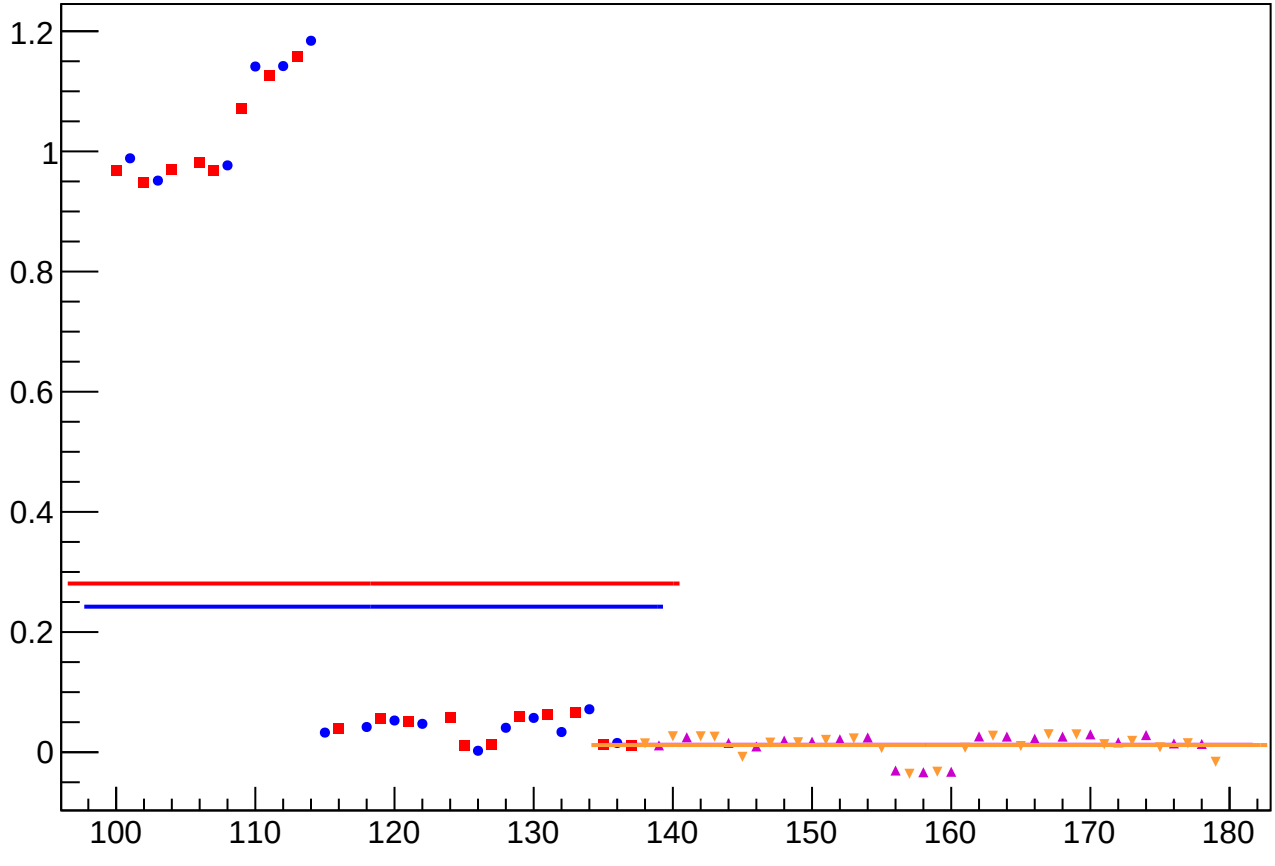
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2044890.9/35

Out: 0.019+/-0.000 χ^2/NDF:2290261.6/40

All: 0.019+/-0.000 χ^2/NDF: 4338493.8/76

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:46320980.8/21

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.012+/-0.000 χ^2/NDF:57595236.5/19

Left: 0.012+/-0.000 χ^2/NDF: 103927510.0/41

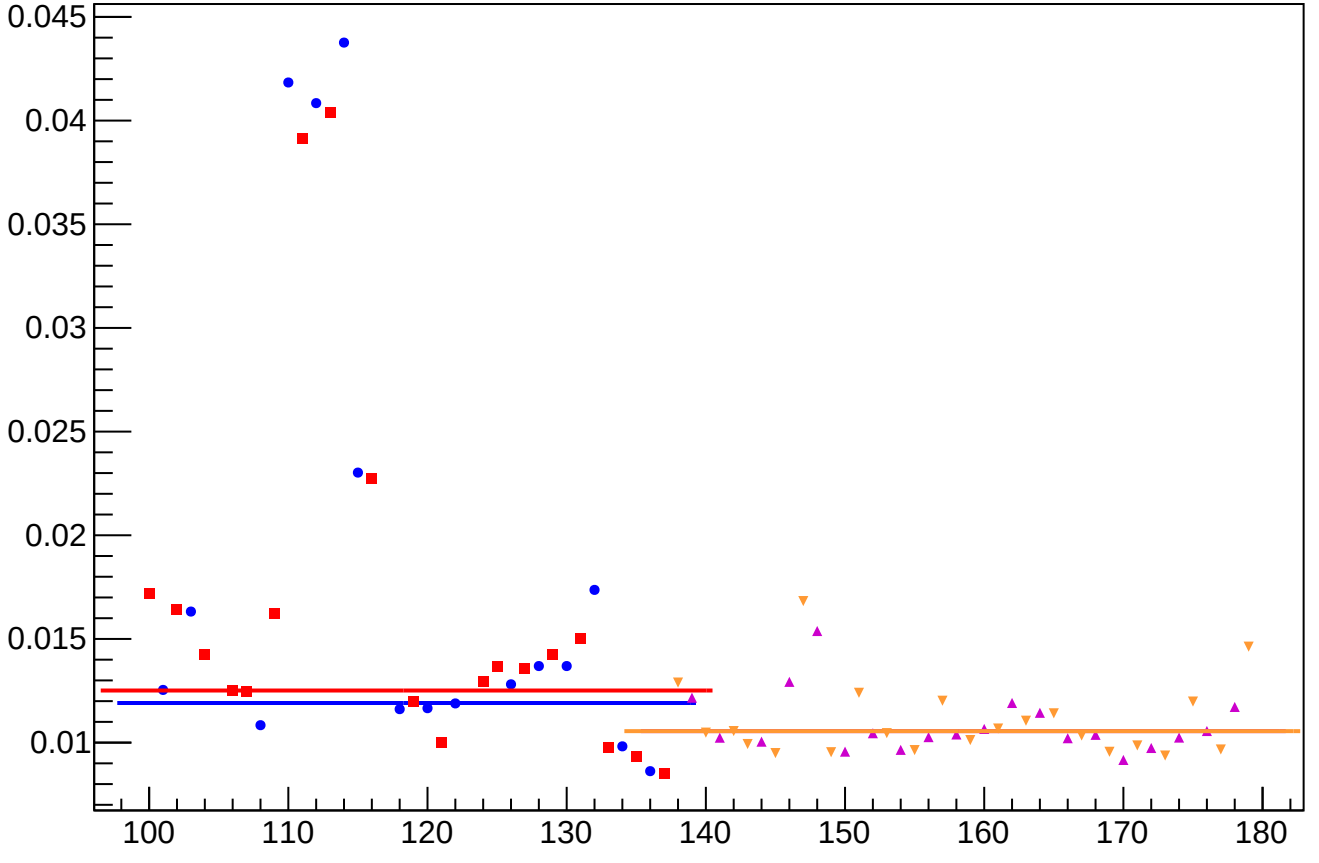
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.066+/-0.000 χ^2/NDF:8270674391.4/35

Out: 0.069+/-0.000 χ^2/NDF:9032104239.3/40

All: 0.068+/-0.000 χ^2/NDF: 17303672770.4/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:551118.6/21

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:374463.2/19

Left: 0.011+/-0.000 χ^2/NDF: 925582.1/41

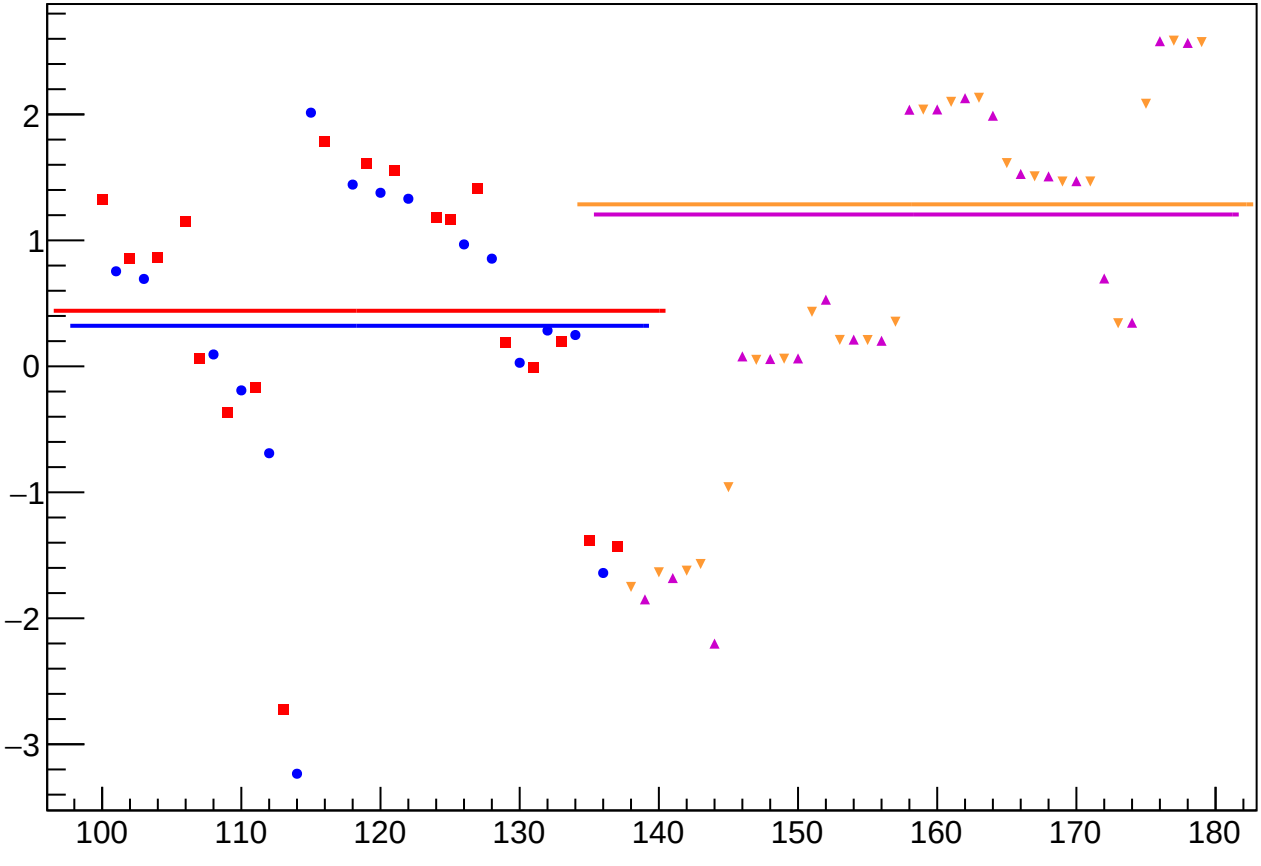
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1952575.2/35

Out: 0.011+/-0.000 χ^2/NDF:2180443.5/40

All: 0.011+/-0.000 χ^2/NDF: 4134806.4/76

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.286+/-0.000 χ^2/NDF:46664321840.7/21

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.205+/-0.000 χ^2/NDF:48495730687.7/19

Left: 1.245+/-0.000 χ^2/NDF: 95332985875.8/41

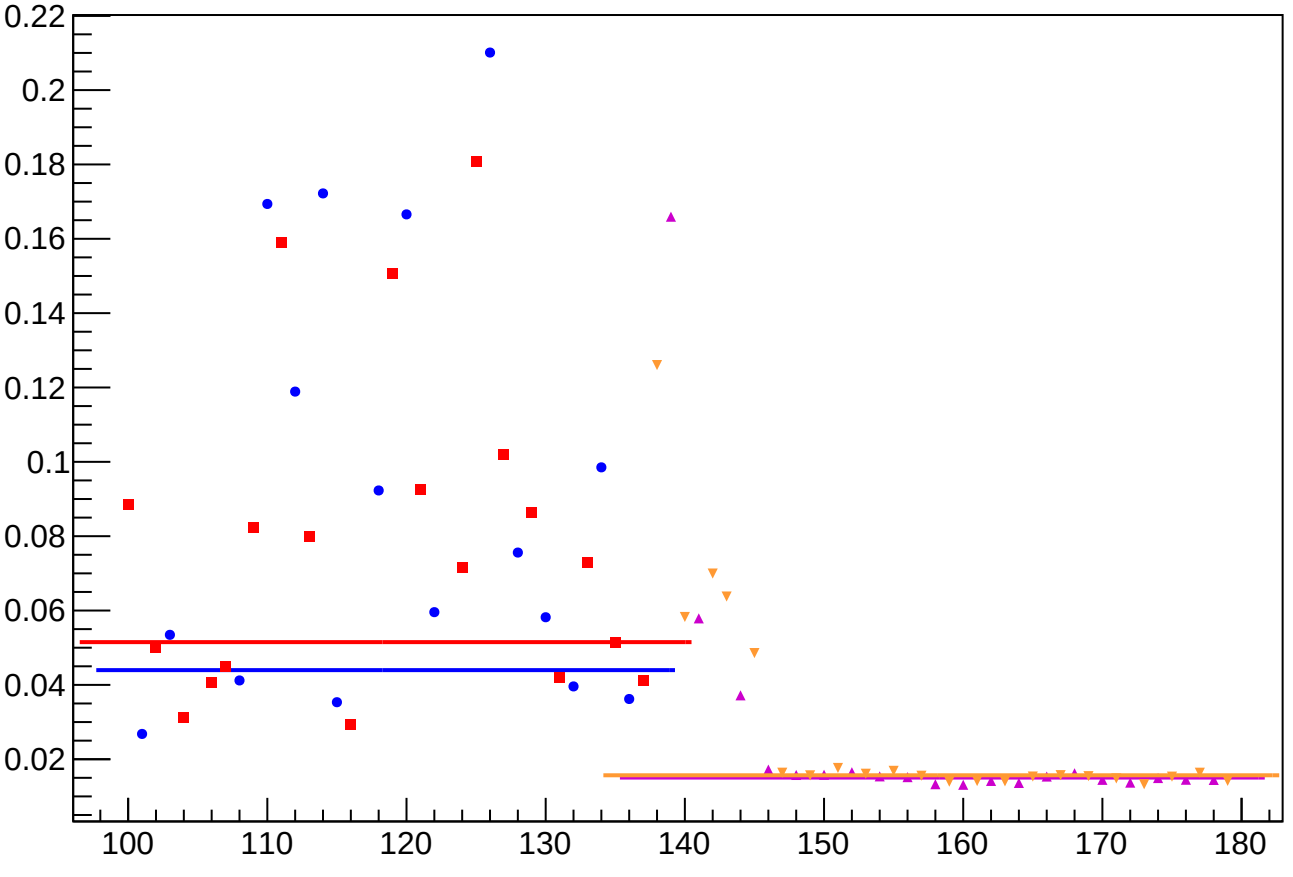
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.174+/-0.000 χ^2/NDF:51654886152.7/35

Out: 1.260+/-0.000 χ^2/NDF:49600567563.4/40

All: 1.217+/-0.000 χ^2/NDF: 101461164056.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2962239.2/21

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2174399.6/19

Left: 0.015+/-0.000 χ^2/NDF: 5156765.5/41

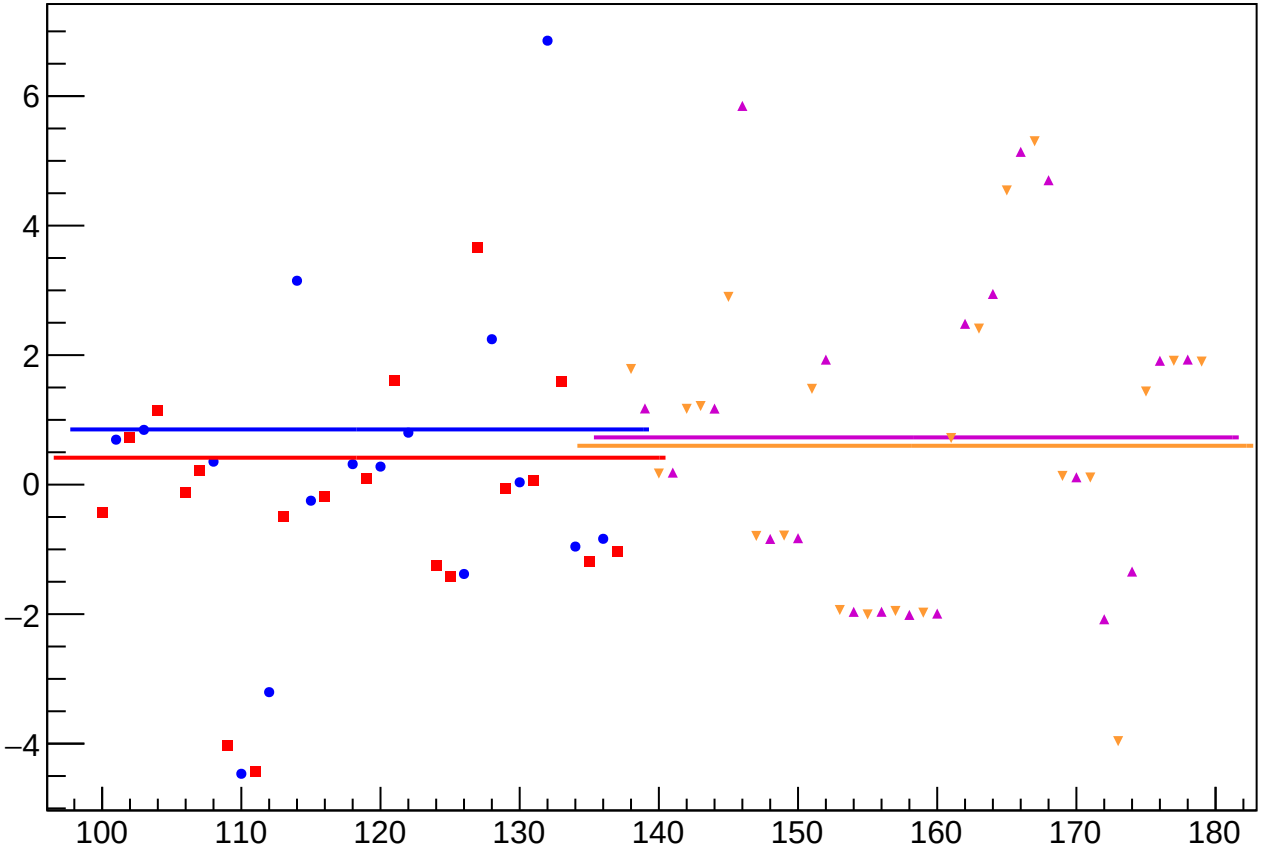
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8159672.2/35

Out: 0.017+/-0.000 χ^2/NDF:9425435.1/40

All: 0.016+/-0.000 χ^2/NDF: 17609919.2/76

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.600+/-0.000 χ^2/NDF:524103874661.1/21

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.730+/-0.000 χ^2/NDF:607894548095.1/19

Left: 0.664+/-0.000 χ^2/NDF: 1132713955874.8/41

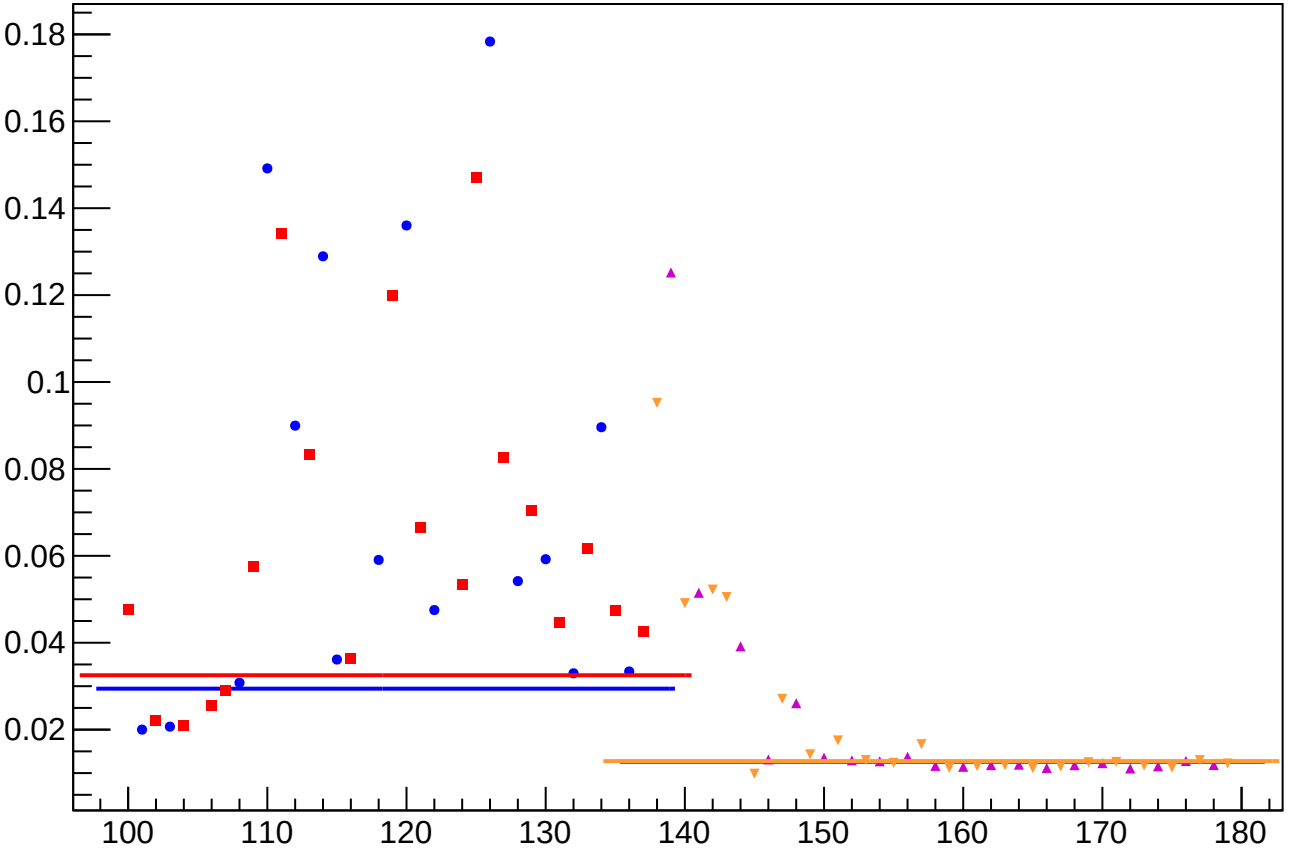
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.735+/-0.000 χ^2/NDF:619531848172.7/35

Out: 0.592+/-0.000 χ^2/NDF:529352435483.3/40

All: 0.664+/-0.000 χ^2/NDF: 1149803385217.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3165598.6/21

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2739942.8/19

Left: 0.013+/-0.000 χ^2/NDF: 5908341.3/41

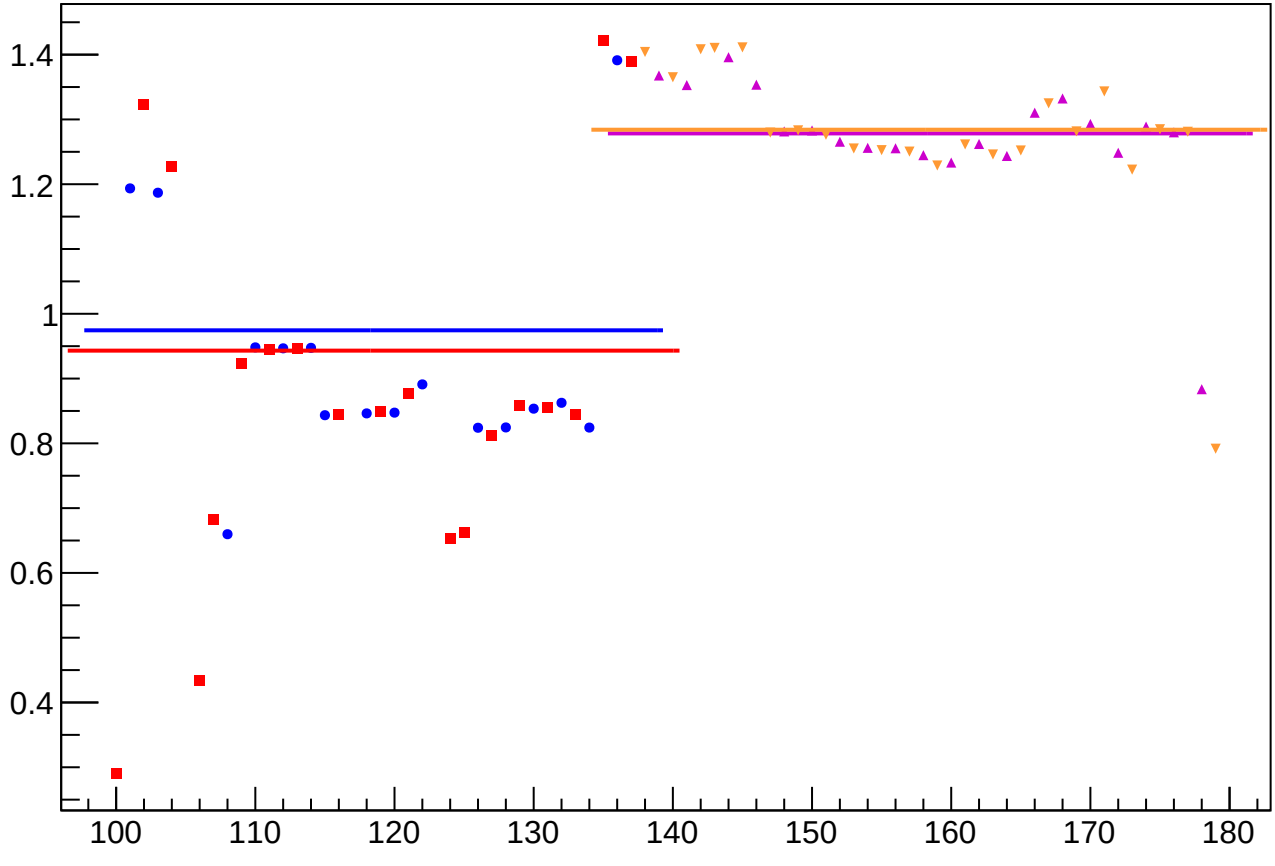
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8236088.2/35

Out: 0.014+/-0.000 χ^2/NDF:9395245.6/40

All: 0.013+/-0.000 χ^2/NDF: 17636274.0/76

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.284+/-0.000 χ^2/NDF:1022112933.7/21

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.278+/-0.000 χ^2/NDF:662794639.4/19

Left: 1.281+/-0.000 χ^2/NDF: 1686184790.4/41

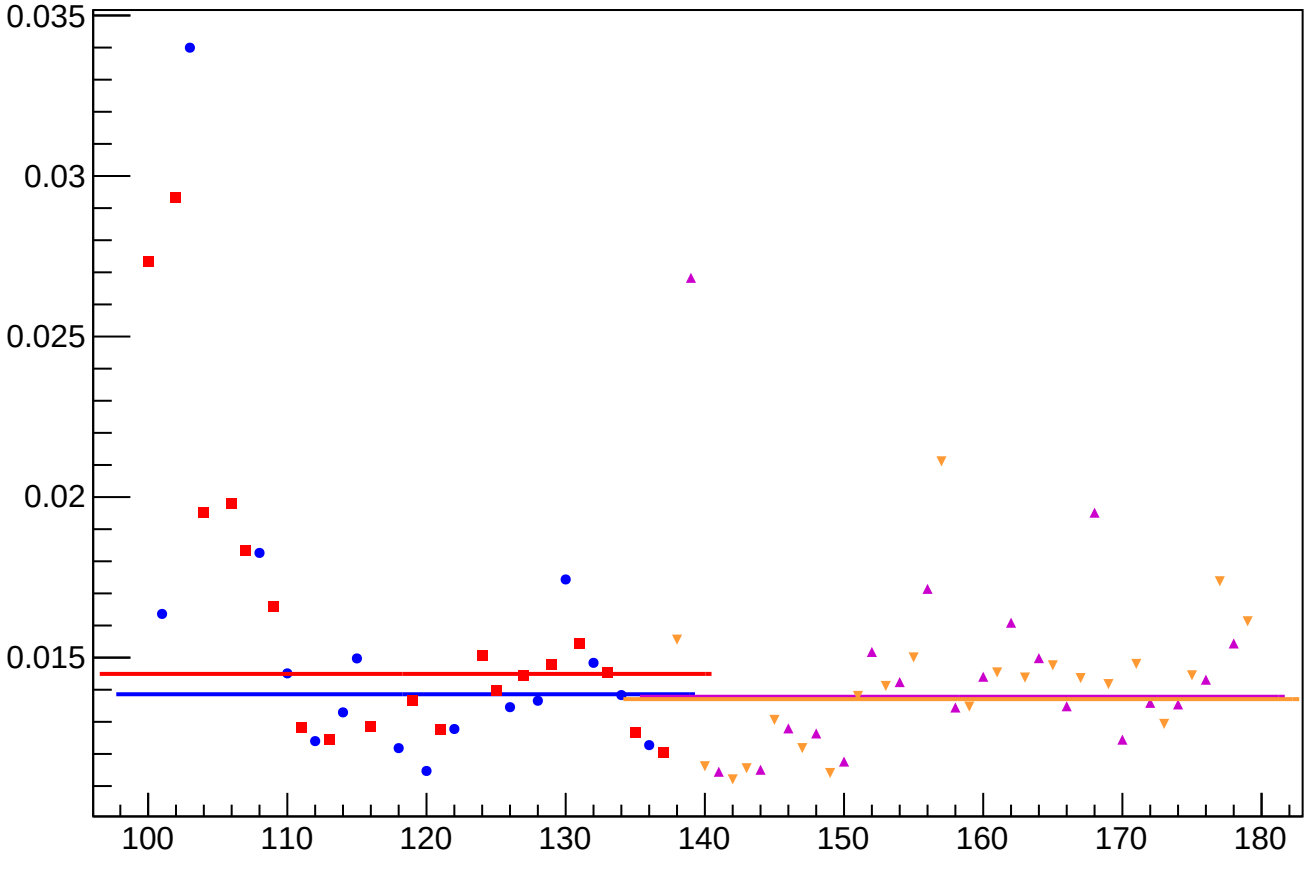
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.187+/-0.000 χ^2/NDF:4216115804.0/35

Out: 1.191+/-0.000 χ^2/NDF:5270044584.8/40

All: 1.189+/-0.000 χ^2/NDF: 9486760949.2/76

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.014+/-0.000 χ^2/NDF:539908.9/21

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:862336.0/19

Left: 0.014+/-0.000 χ^2/NDF: 1402673.9/41

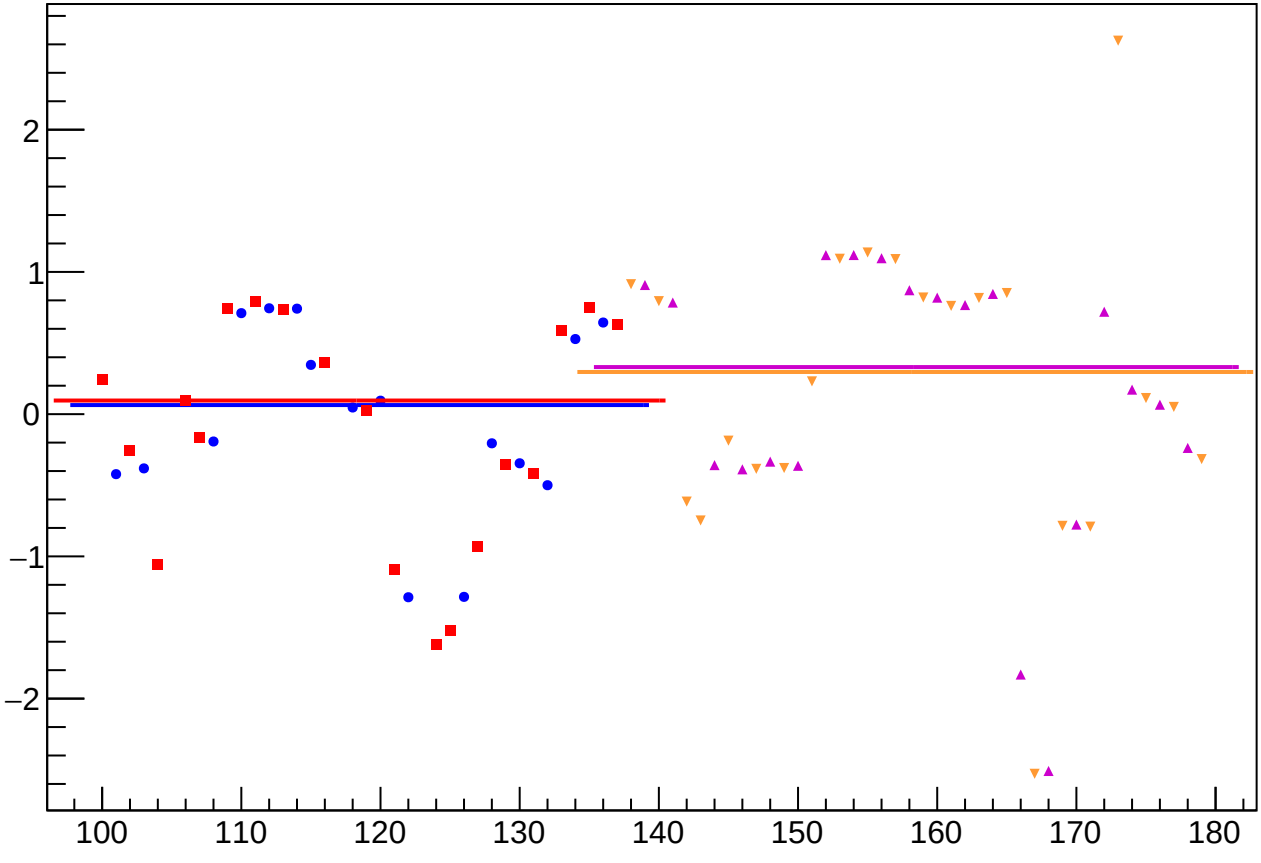
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1462590.0/35

Out: 0.014+/-0.000 χ^2/NDF:1111614.2/40

All: 0.014+/-0.000 χ^2/NDF: 2575729.4/76

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:102298792938.5/21

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.331+/-0.000 χ^2/NDF:86623506025.0/19

Left: 0.314+/-0.000 χ^2/NDF: 188985643104.4/41

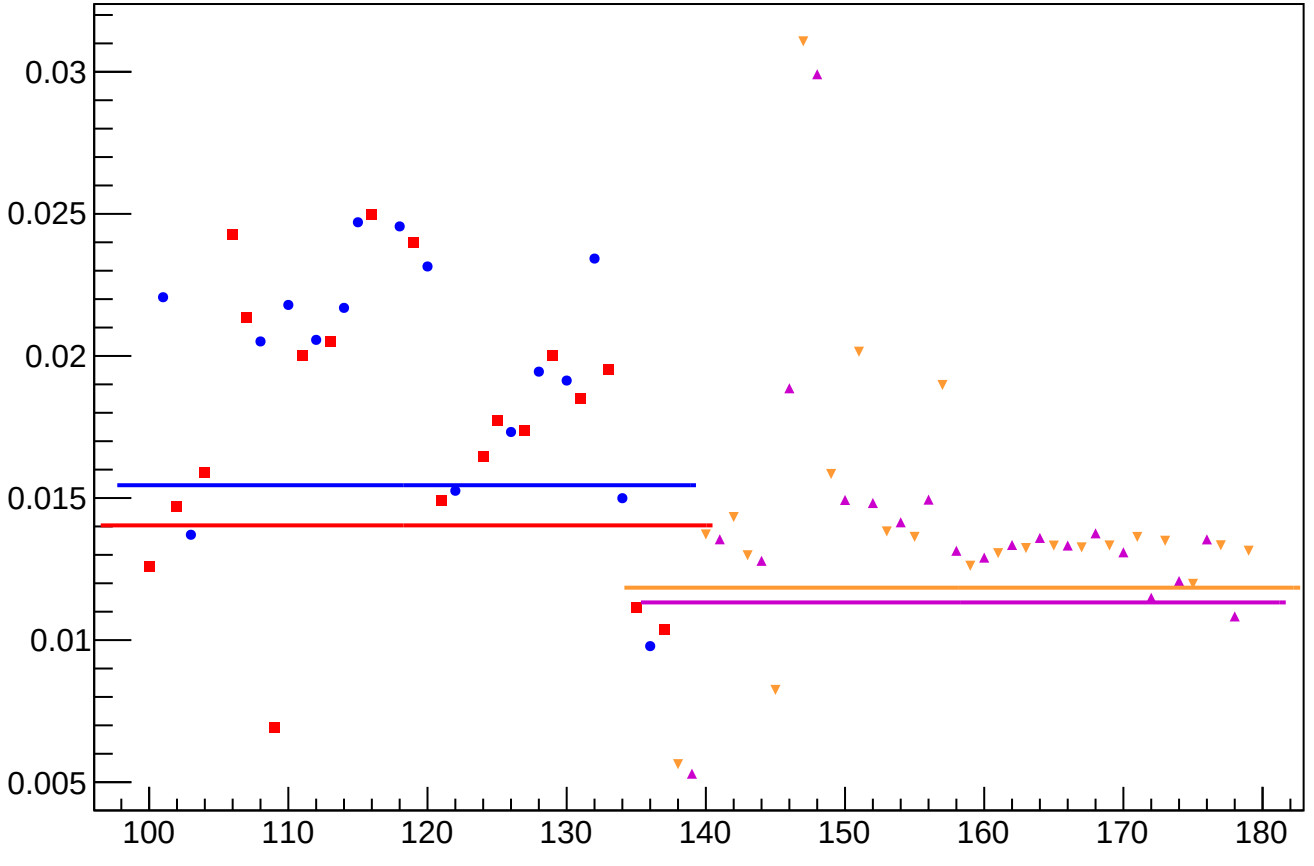
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.280+/-0.000 χ^2/NDF:99111390346.4/35

Out: 0.253+/-0.000 χ^2/NDF:121022522696.1/40

All: 0.266+/-0.000 χ^2/NDF: 220183597544.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3238544.3/21

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3612713.2/19

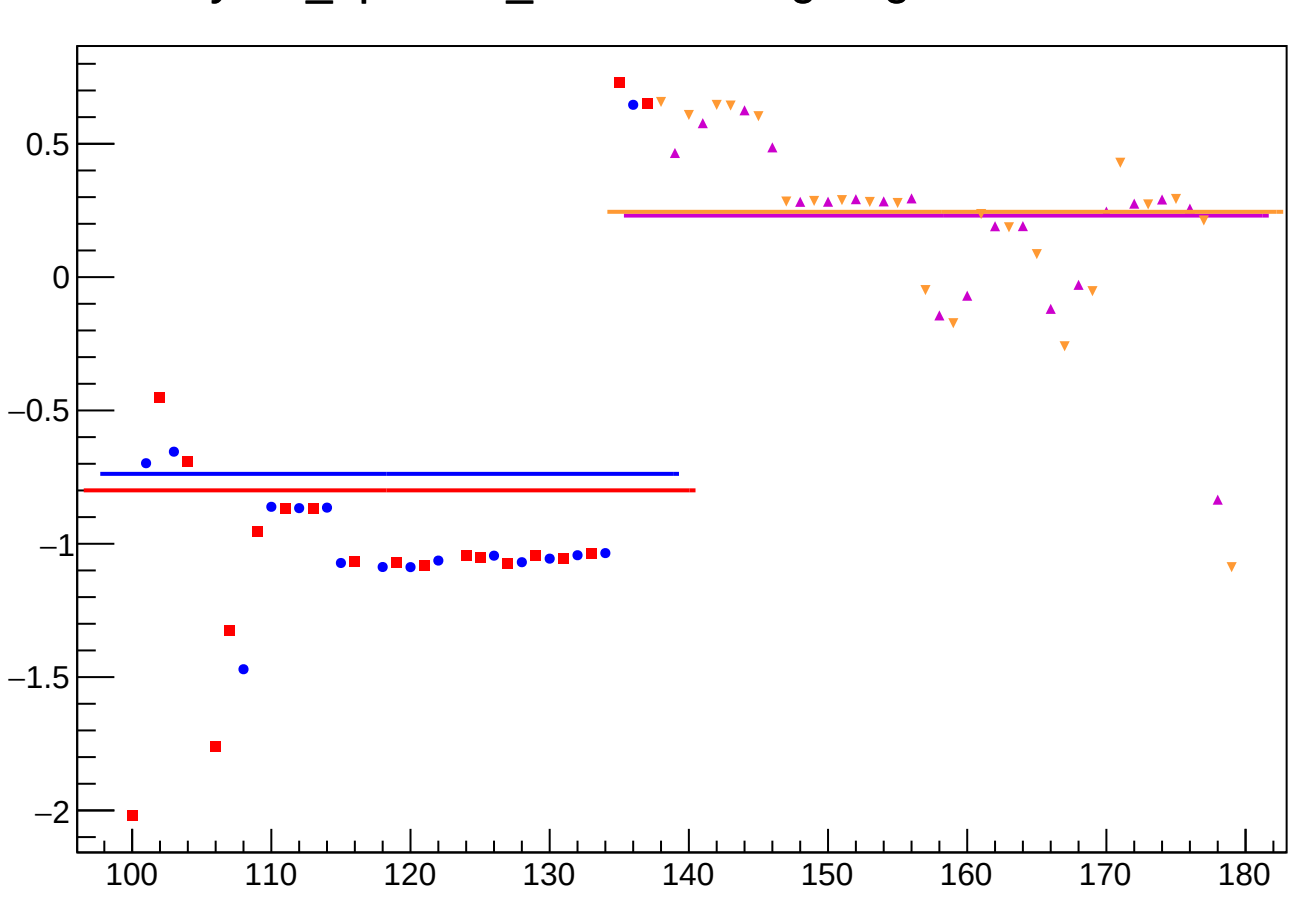
Left: 0.012+/-0.000 χ^2/NDF: 6879986.7/41

Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

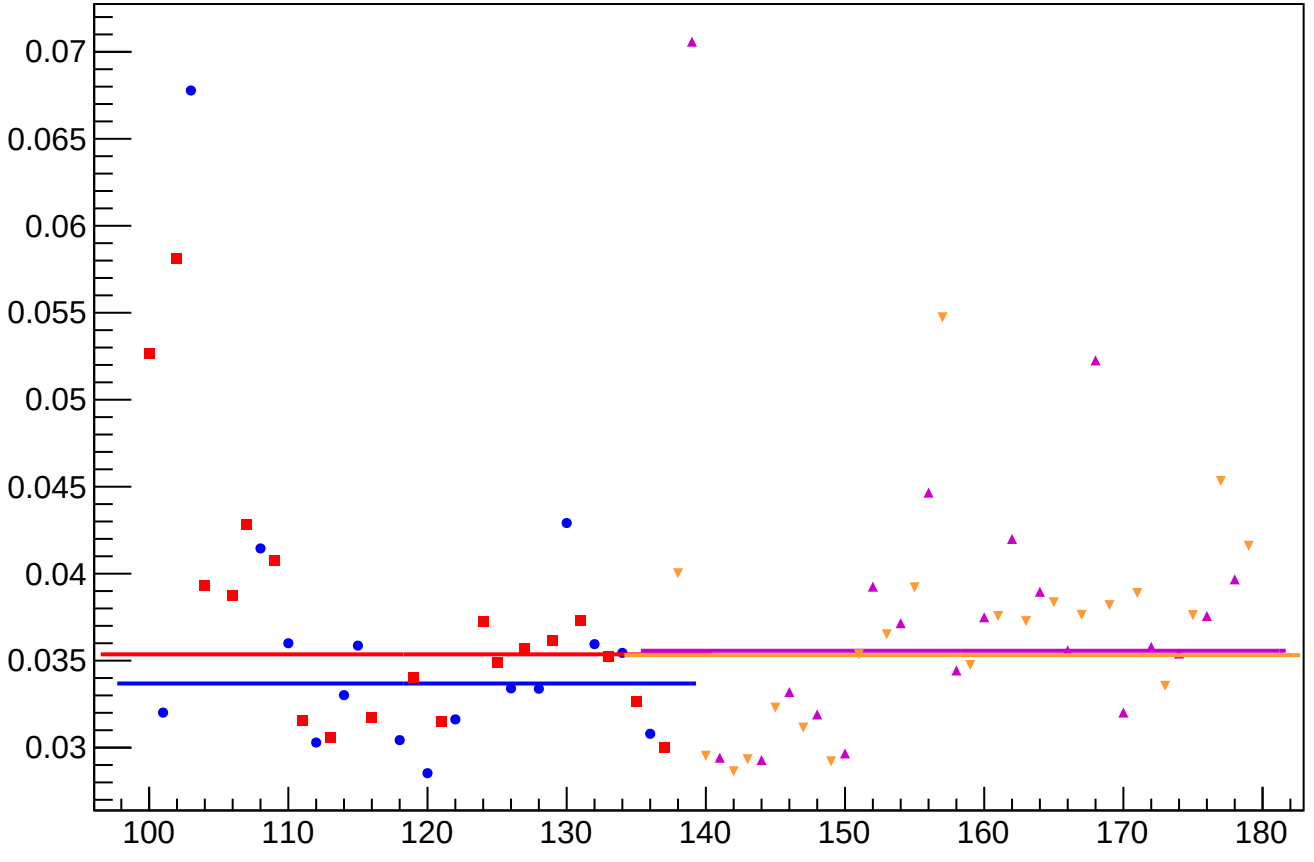
In: 0.012+/-0.000 χ^2/NDF:5598963.4/35

Out: 0.012+/-0.000 χ^2/NDF:5149217.4/40

All: 0.012+/-0.000 χ^2/NDF: 10754044.0/76


yield_bpm12X_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: -0.738+/-0.000 χ²/NDF: 2072845802.4/15
Left Out: 0.245+/-0.000 χ²/NDF:1541123715.5/21
Right Out: -0.800+/-0.000 χ²/NDF: 1883862445.0/18
Left In: 0.231+/-0.000 χ²/NDF:1049282119.8/19
Left: 0.238+/-0.000 χ²/NDF: 2591570752.9/41
Right: -0.768+/-0.000 χ²/NDF: 3966960462.4/34
In: -0.089+/-0.000 χ²/NDF:6611429900.1/35
Out: -0.068+/-0.000 χ²/NDF:7376468858.0/40
All: -0.079+/-0.000 χ²/NDF: 13991670943.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:603177.6/21

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.036+/-0.000 χ^2/NDF:949743.6/19

Left: 0.035+/-0.000 χ^2/NDF: 1553655.6/41

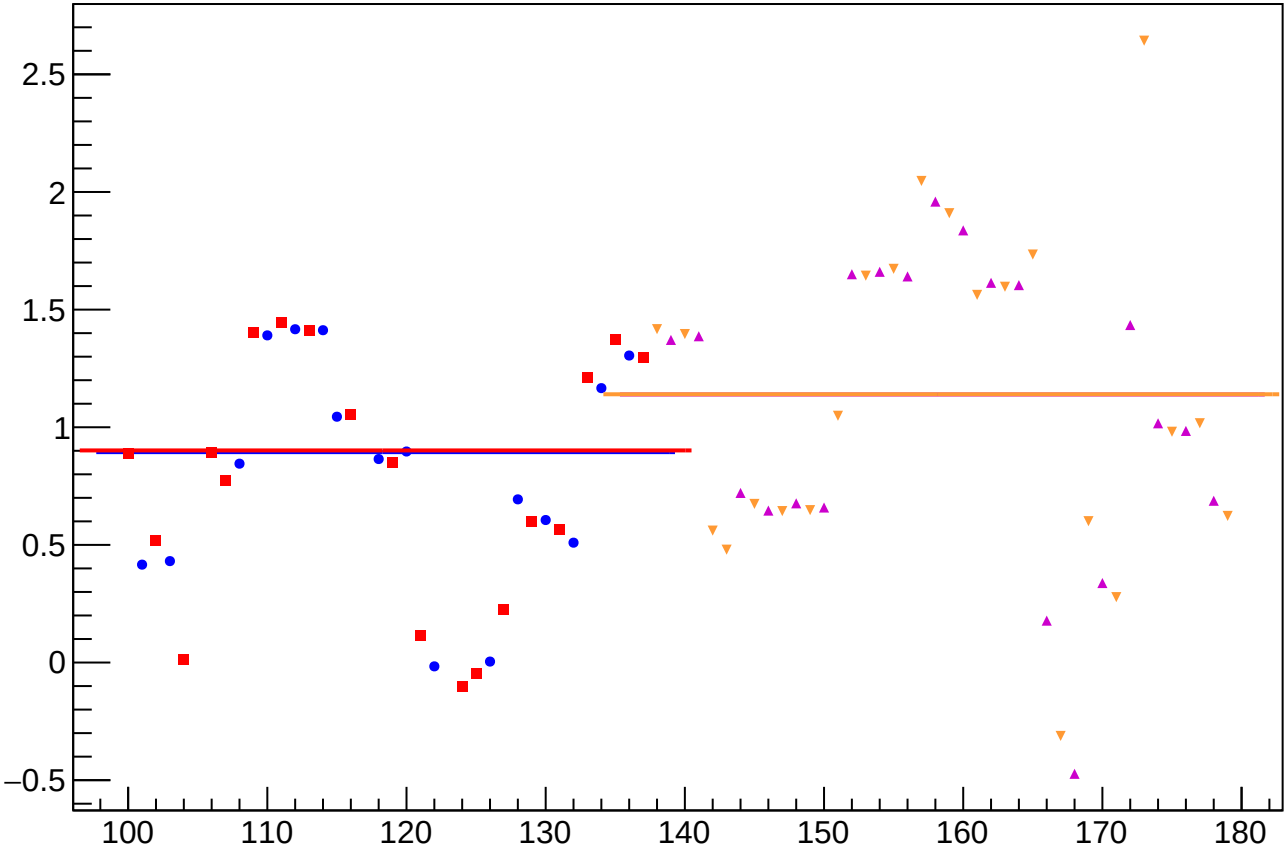
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1396359.6/35

Out: 0.035+/-0.000 χ^2/NDF:899545.9/40

All: 0.035+/-0.000 χ^2/NDF: 2298425.5/76

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.140+/-0.000 χ^2/NDF:88913212991.9/21

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.139+/-0.000 χ^2/NDF:68563501970.8/19

Left: 1.140+/-0.000 χ^2/NDF: 157476801583.3/41

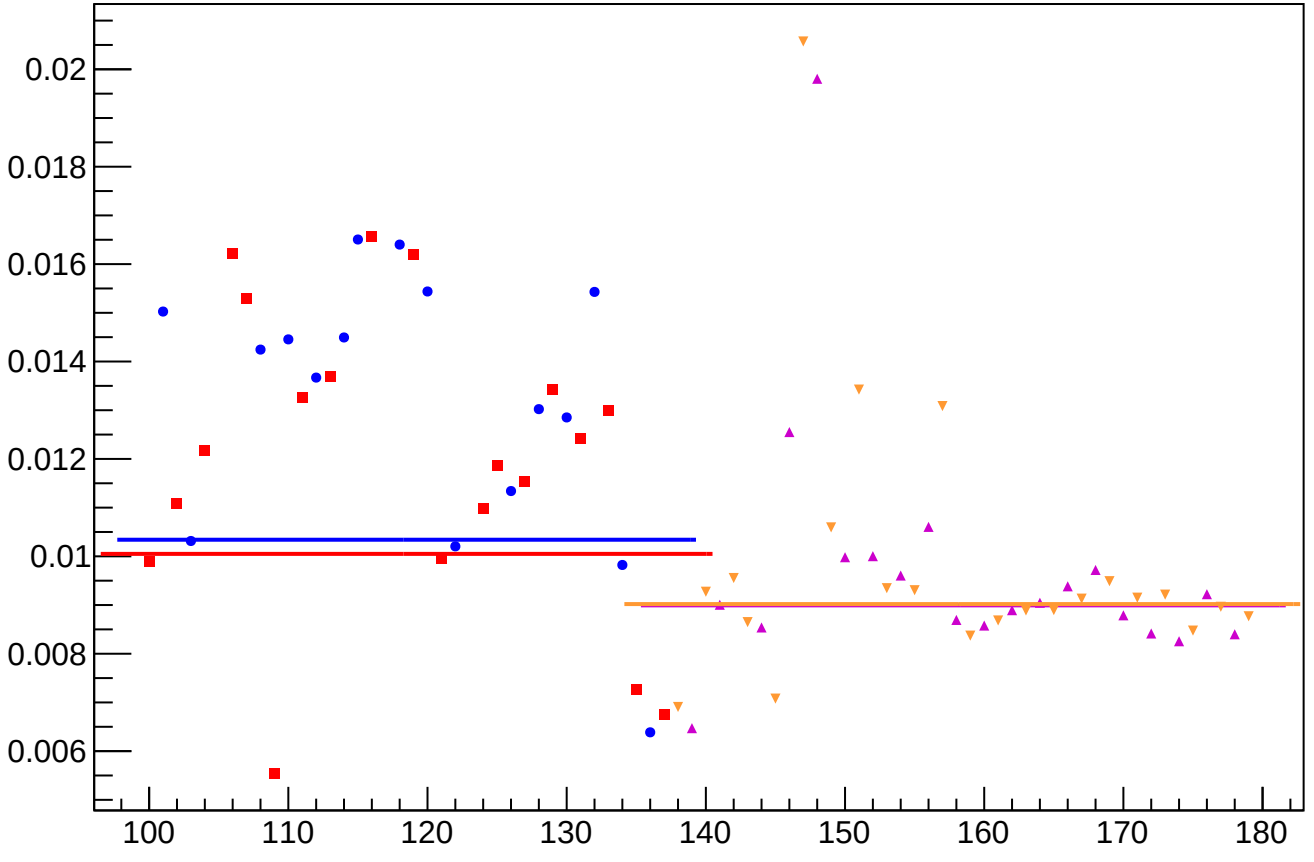
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.083+/-0.000 χ^2/NDF:83887062334.2/35

Out: 1.085+/-0.000 χ^2/NDF:109442229668.6/40

All: 1.084+/-0.000 χ^2/NDF: 193329846312.1

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1136987.7/21

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:960498.5/19

Left: 0.009+/-0.000 χ^2/NDF: 2097620.8/41

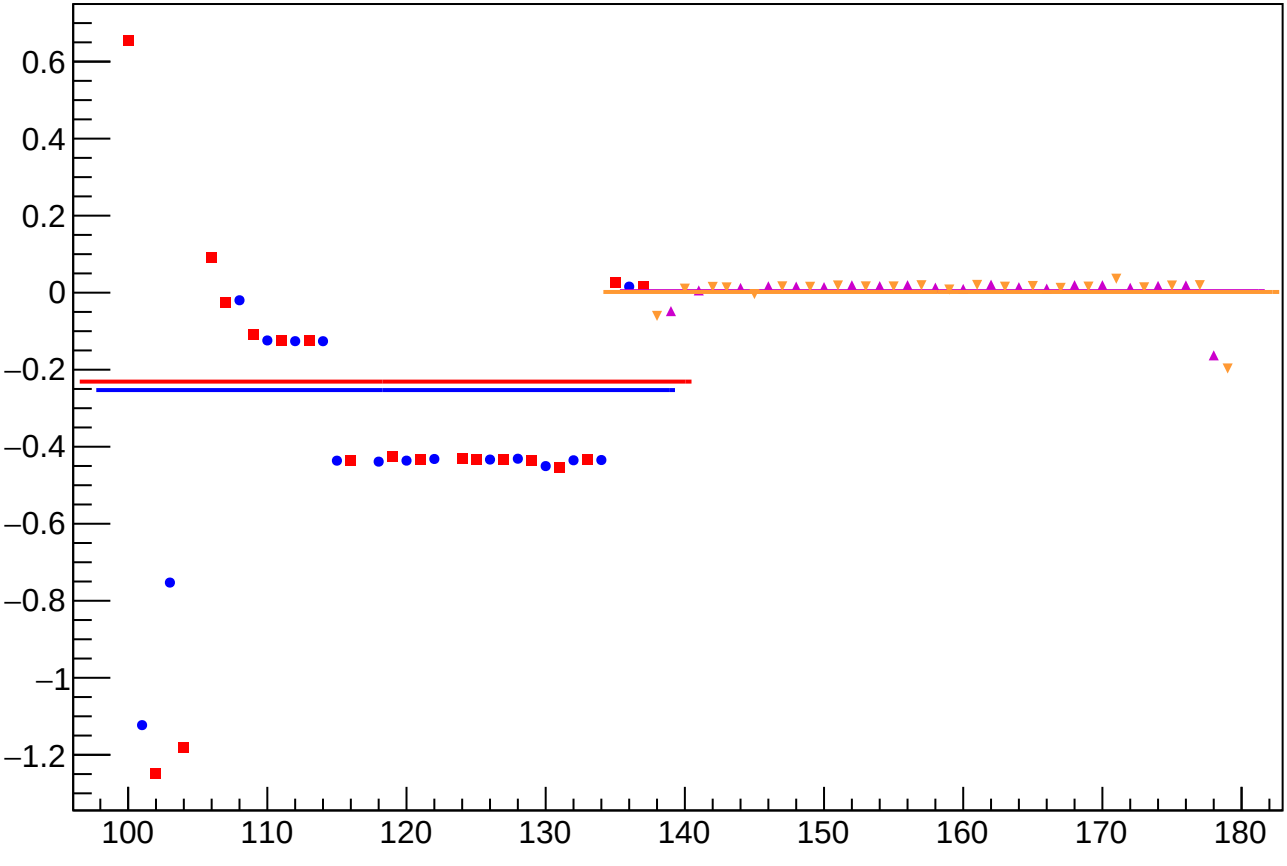
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2466784.7/35

Out: 0.009+/-0.000 χ^2/NDF:2572173.3/40

All: 0.009+/-0.000 χ^2/NDF: 5039475.7/76

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:399443185.9/21

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.004+/-0.000 χ^2/NDF:269604998.6/19

Left: 0.003+/-0.000 χ^2/NDF: 669411613.8/41

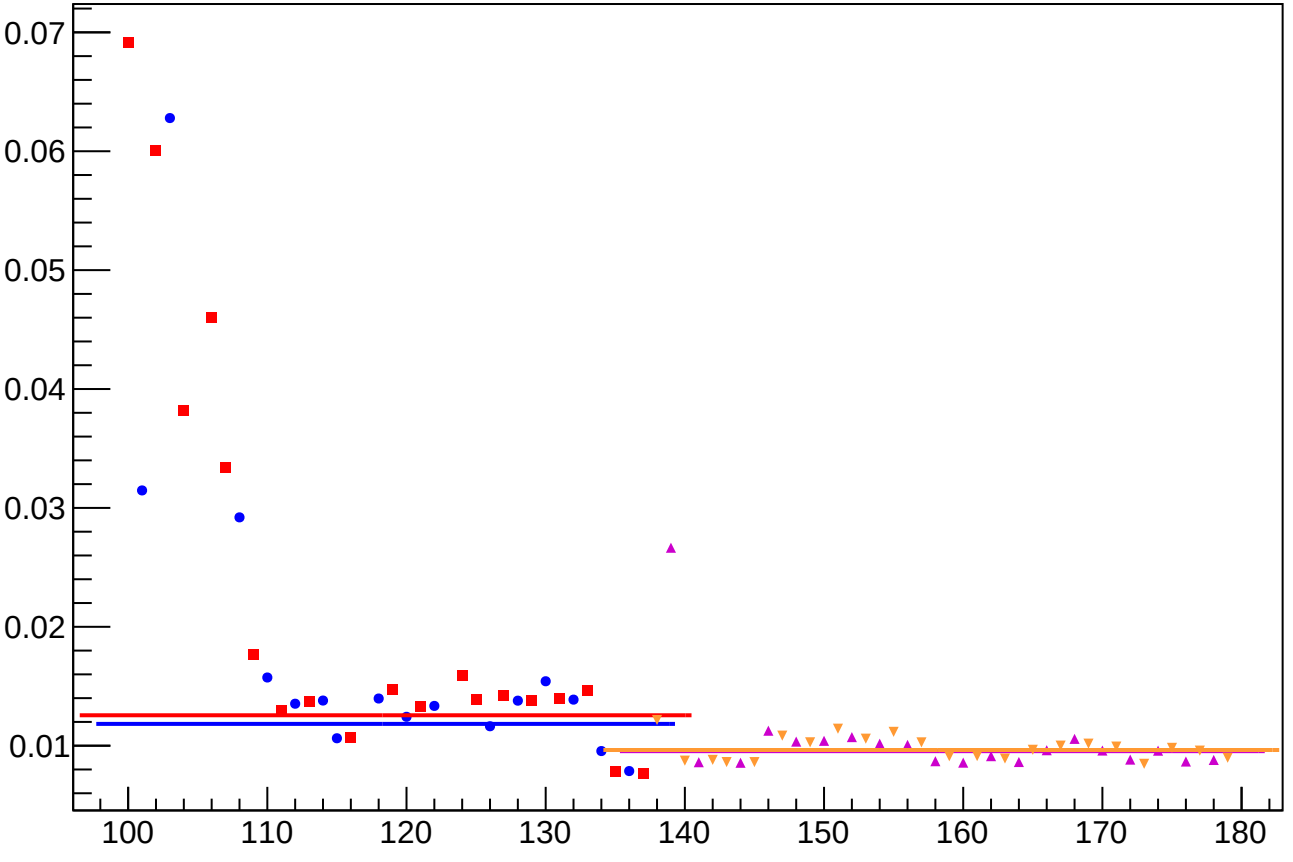
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.046+/-0.000 χ^2/NDF:4186623658.4/35

Out: -0.037+/-0.000 χ^2/NDF:3641098439.1/40

All: -0.041+/-0.000 χ^2/NDF: 7834541466.6/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:262328.6/21

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:892152.2/19

Left: 0.010+/-0.000 χ^2/NDF: 1155919.3/41

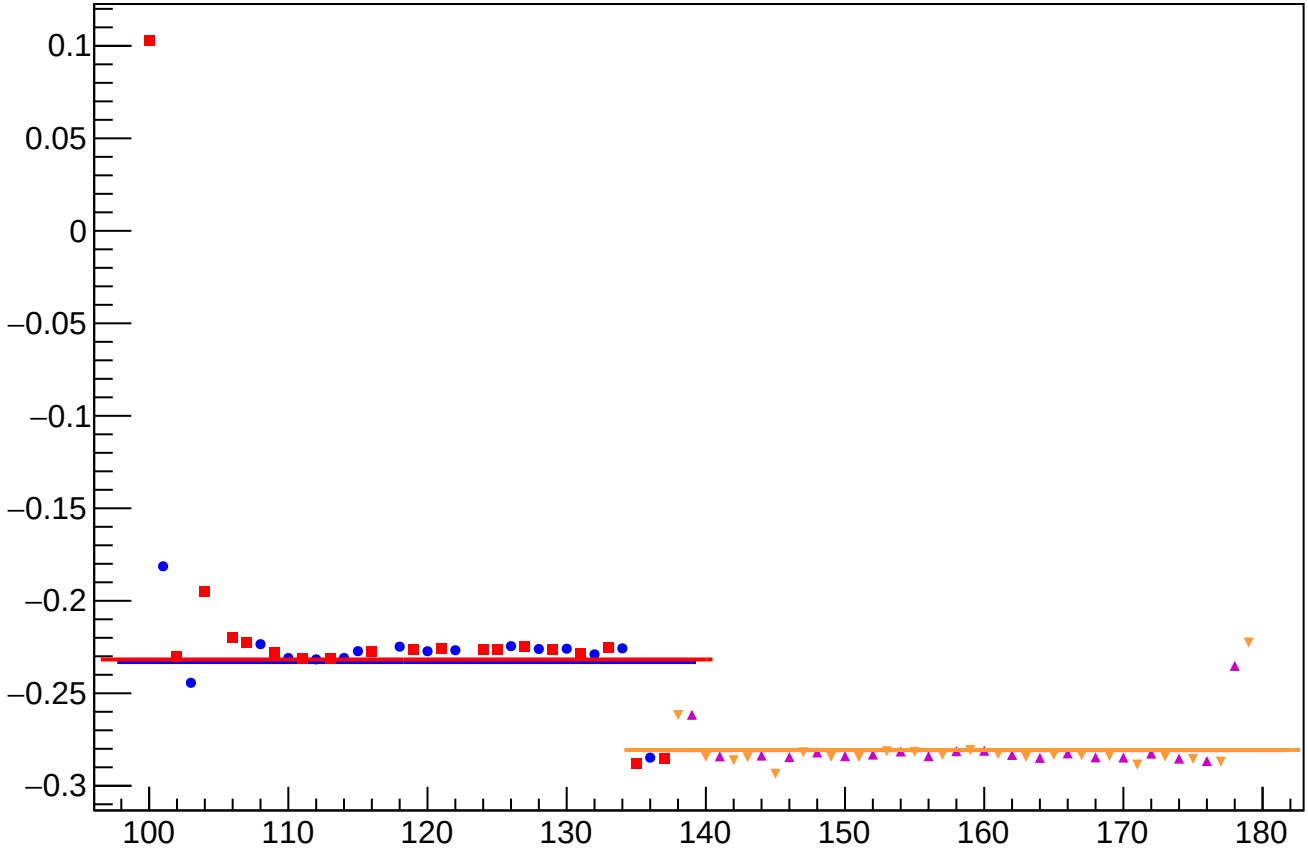
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3136099.2/35

Out: 0.010+/-0.000 χ^2/NDF:2931372.4/40

All: 0.010+/-0.000 χ^2/NDF: 6071256.1/76

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.281+/-0.000 χ^2/NDF:137446645.7/21

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.281+/-0.000 χ^2/NDF:66392150.7/19

Left: -0.281+/-0.000 χ^2/NDF: 203840648.0/41

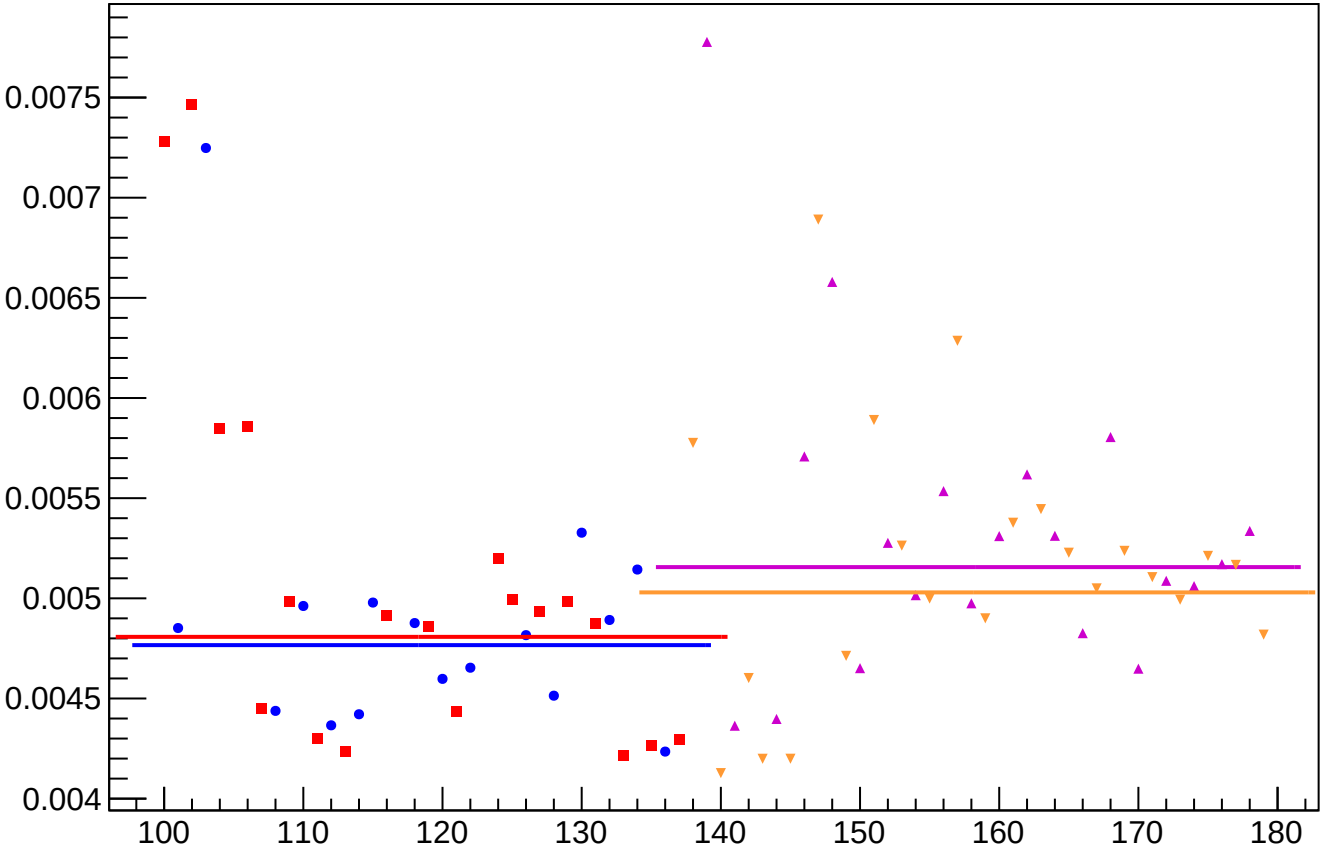
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.265+/-0.000 χ^2/NDF:695686198.1/35

Out: -0.265+/-0.000 χ^2/NDF:903474699.5/40

All: -0.265+/-0.000 χ^2/NDF: 1599256311.9/7

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:462621.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:465725.8/19

Left: 0.005+/-0.000 χ^2/NDF: 938028.4/41

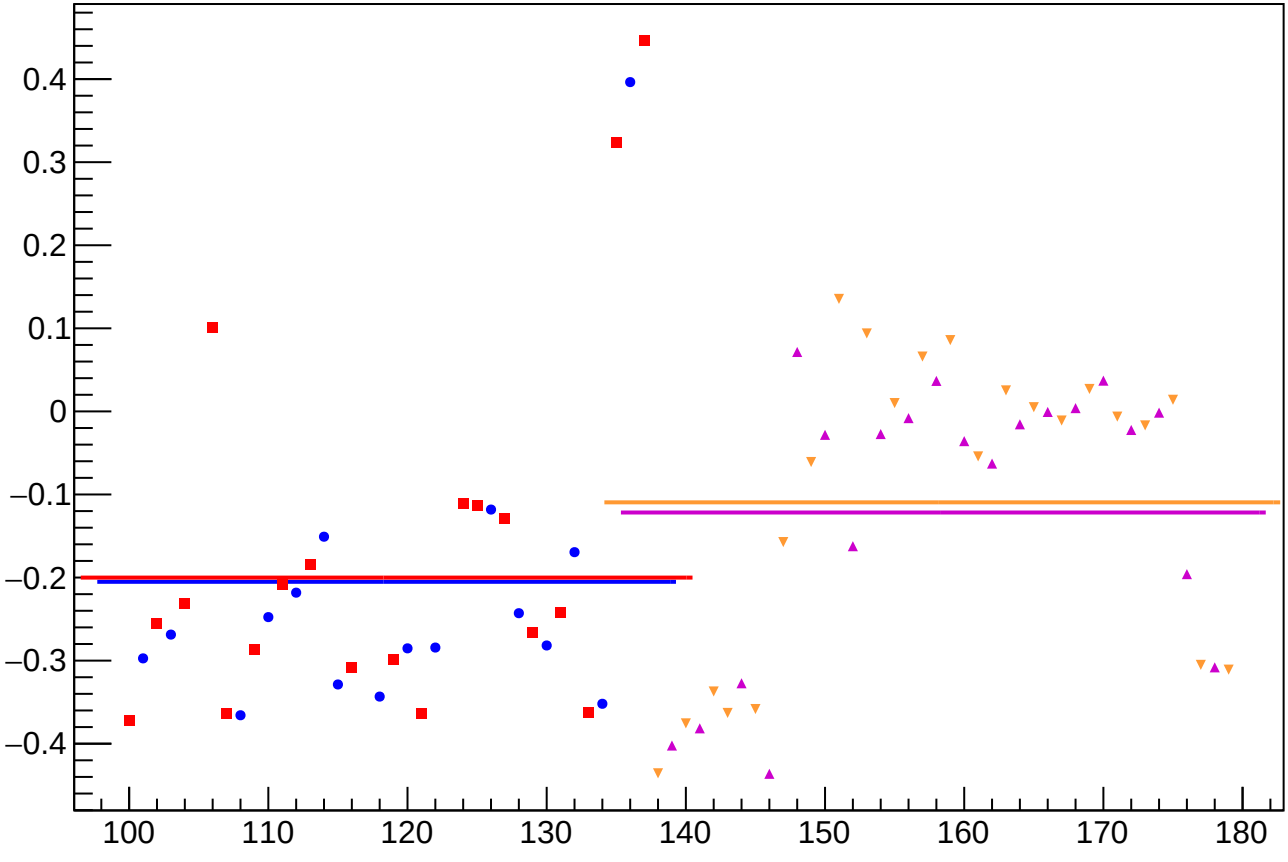
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:715069.6/35

Out: 0.005+/-0.000 χ^2/NDF:776076.3/40

All: 0.005+/-0.000 χ^2/NDF: 1495101.3/76

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.109+/-0.000 χ^2/NDF:18601301810.5/21

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.122+/-0.000 χ^2/NDF:13371101251.4/19

Left: -0.115+/-0.000 χ^2/NDF: 32011699800.6/41

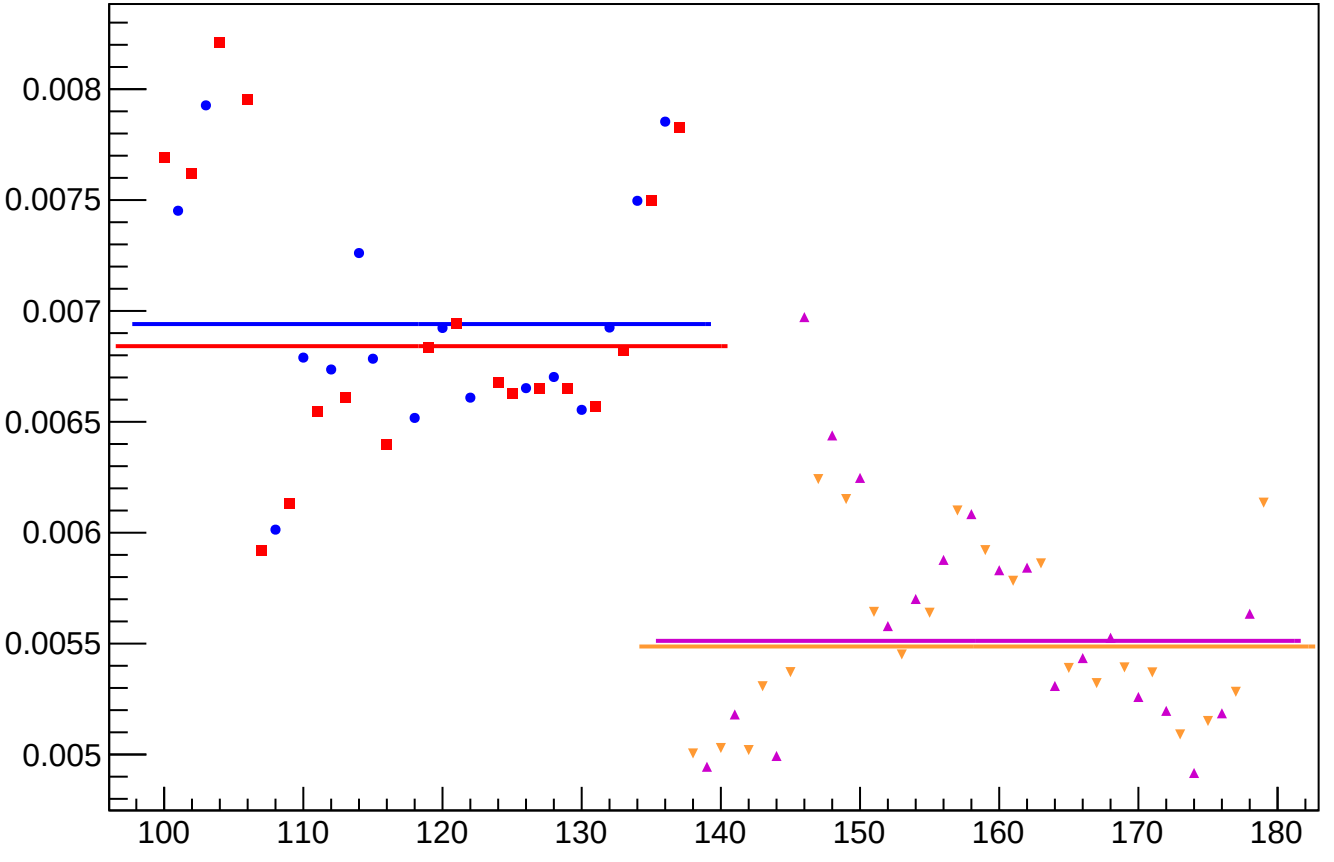
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.140+/-0.000 χ^2/NDF:20348503776.3/35

Out: -0.129+/-0.000 χ^2/NDF:24838756073.0/40

All: -0.135+/-0.000 χ^2/NDF: 45228824661.7/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:152321.5/21

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235991.1/19

Left: 0.005+/-0.000 χ^2/NDF: 388654.6/41

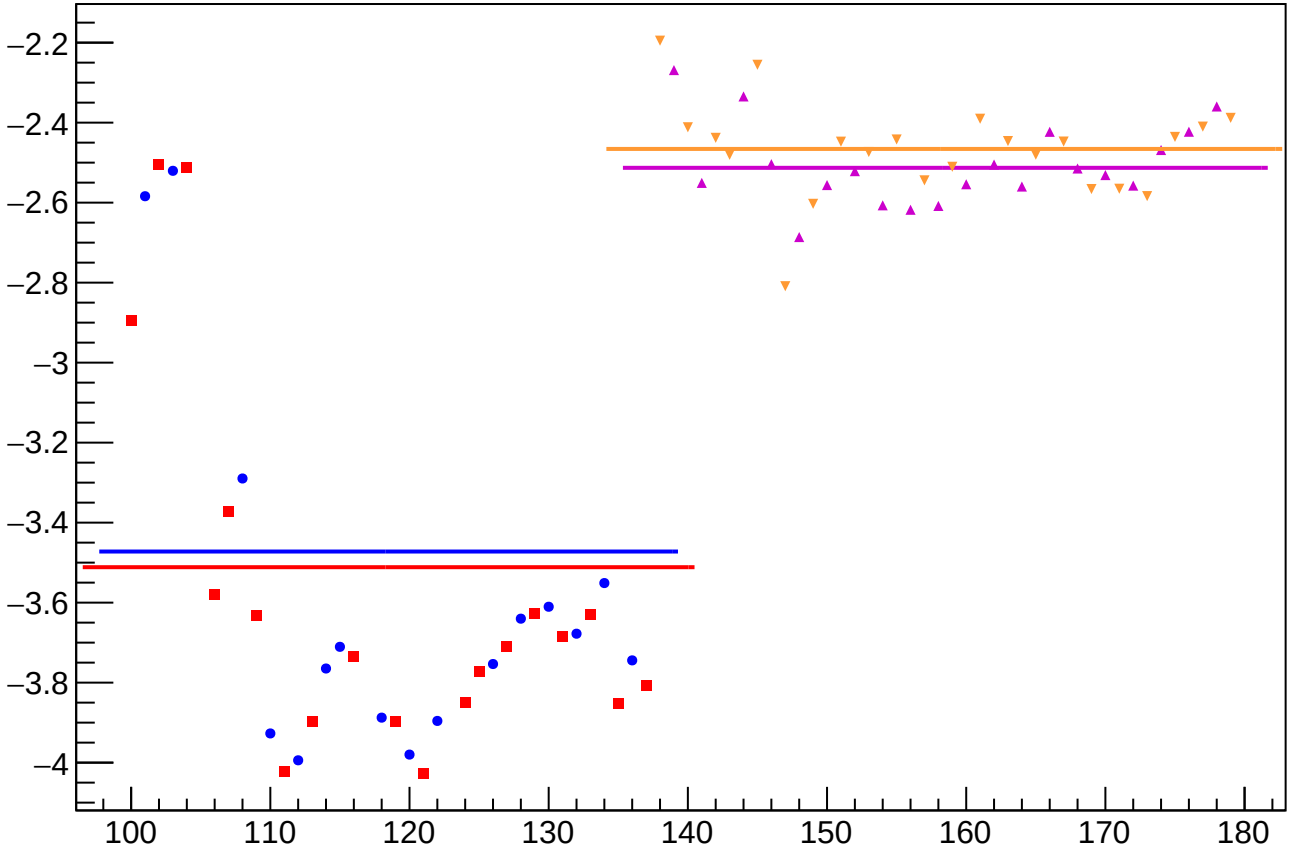
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:783296.4/35

Out: 0.006+/-0.000 χ^2/NDF:693618.2/40

All: 0.006+/-0.000 χ^2/NDF: 1478550.3/76

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.466+/-0.000 χ^2/NDF:2158516397.6/21

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.513+/-0.000 χ^2/NDF:1811486815.6/19

Left: -2.488+/-0.000 χ^2/NDF: 4213429324.7/41

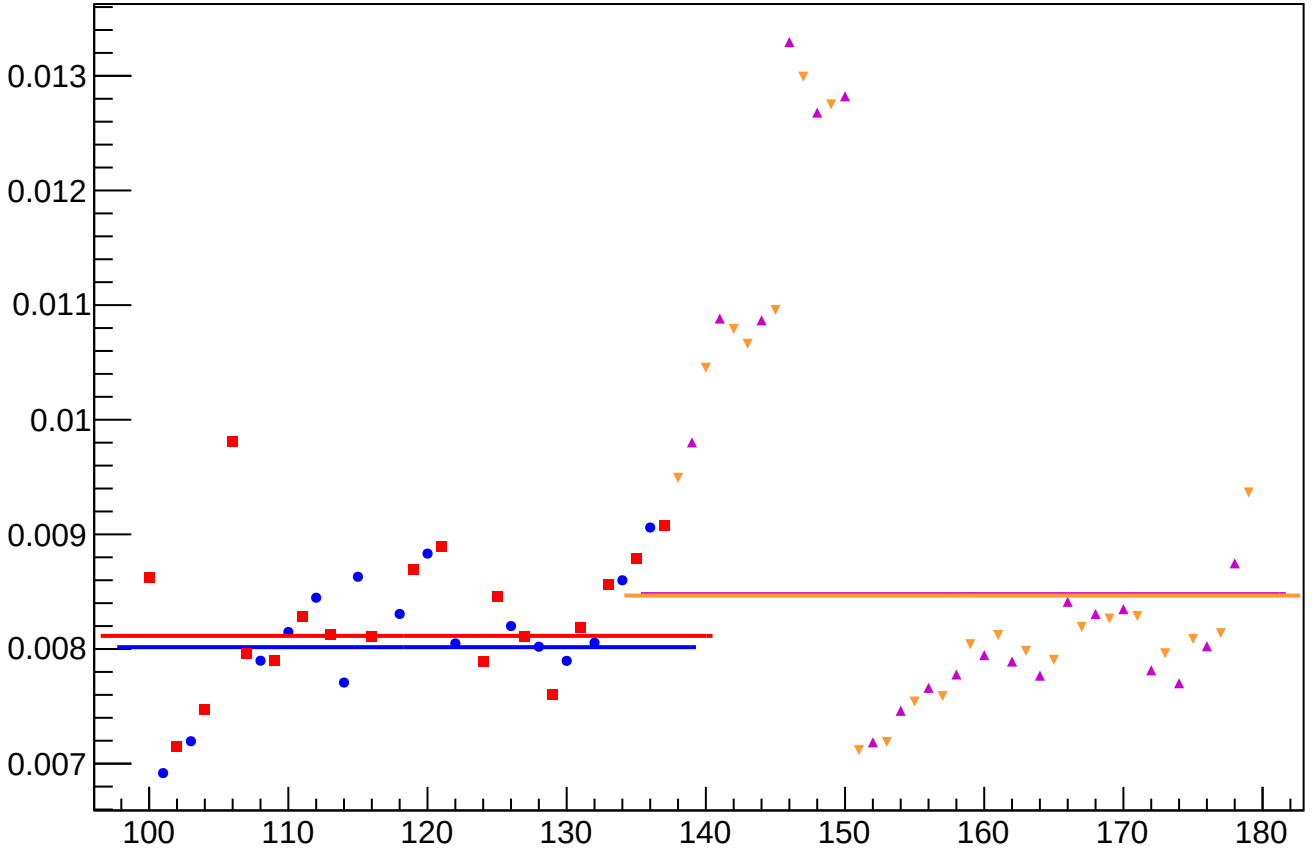
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.840+/-0.000 χ^2/NDF:97378134817.1/35

Out: -2.803+/-0.000 χ^2/NDF:111873174887.4/40

All: -2.821+/-0.000 χ^2/NDF: 209467689421.1

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:776481.6/21

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.008+/-0.000 χ^2/NDF:890162.0/19

Left: 0.008+/-0.000 χ^2/NDF: 1666677.8/41

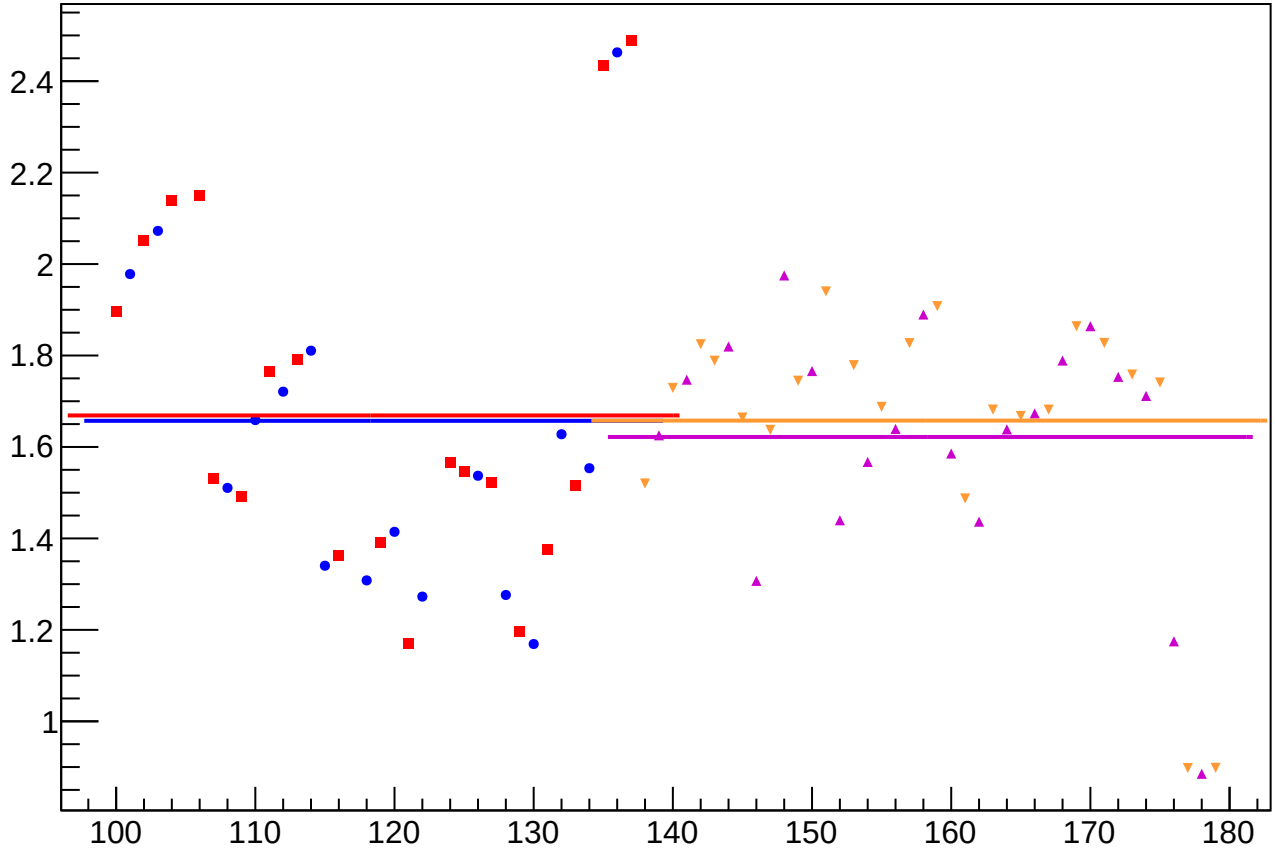
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1007089.8/35

Out: 0.008+/-0.000 χ^2/NDF:865636.2/40

All: 0.008+/-0.000 χ^2/NDF: 1873052.0/76

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.658+/-0.000 χ^2/NDF:9982784234.9/21

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.622+/-0.000 χ^2/NDF:8004624900.0/19

Left: 1.641+/-0.000 χ^2/NDF: 18070213526.6/41

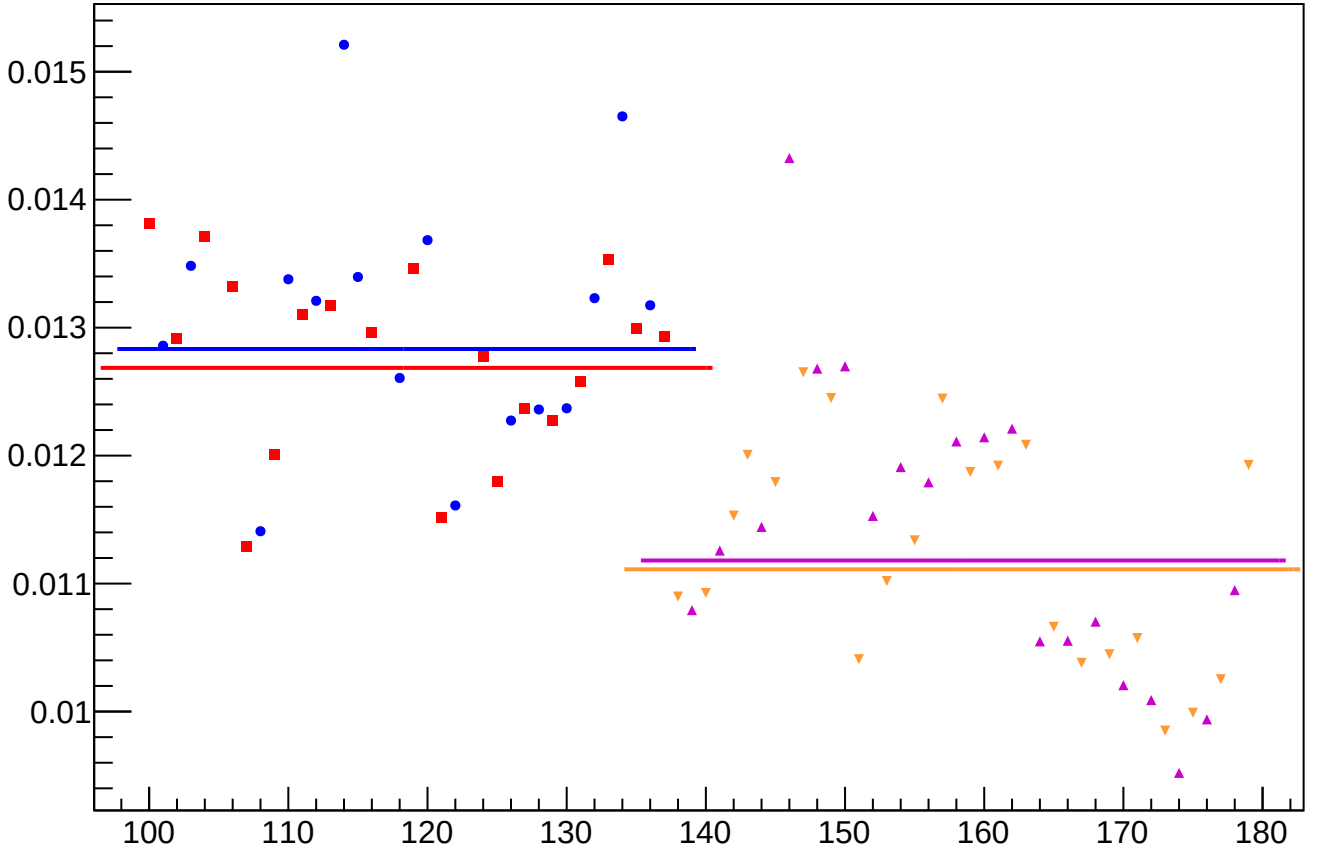
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.631+/-0.000 χ^2/NDF:14710354582.6/35

Out: 1.660+/-0.000 χ^2/NDF:16344628669.3/40

All: 1.646+/-0.000 χ^2/NDF: 31130449378.8/7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:191244.5/21

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:283109.5/19

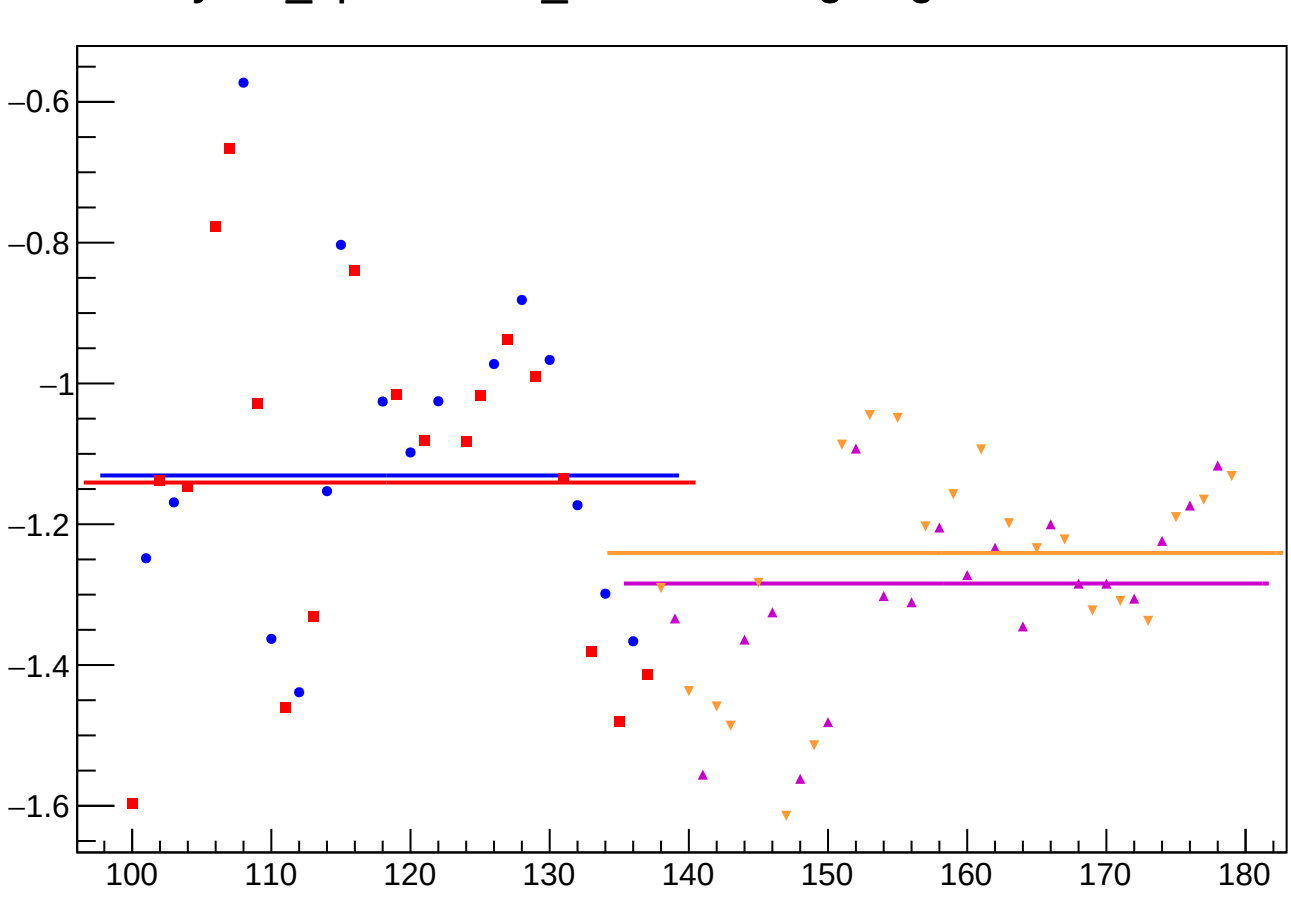
Left: 0.011+/-0.000 χ^2/NDF: 474971.7/41

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

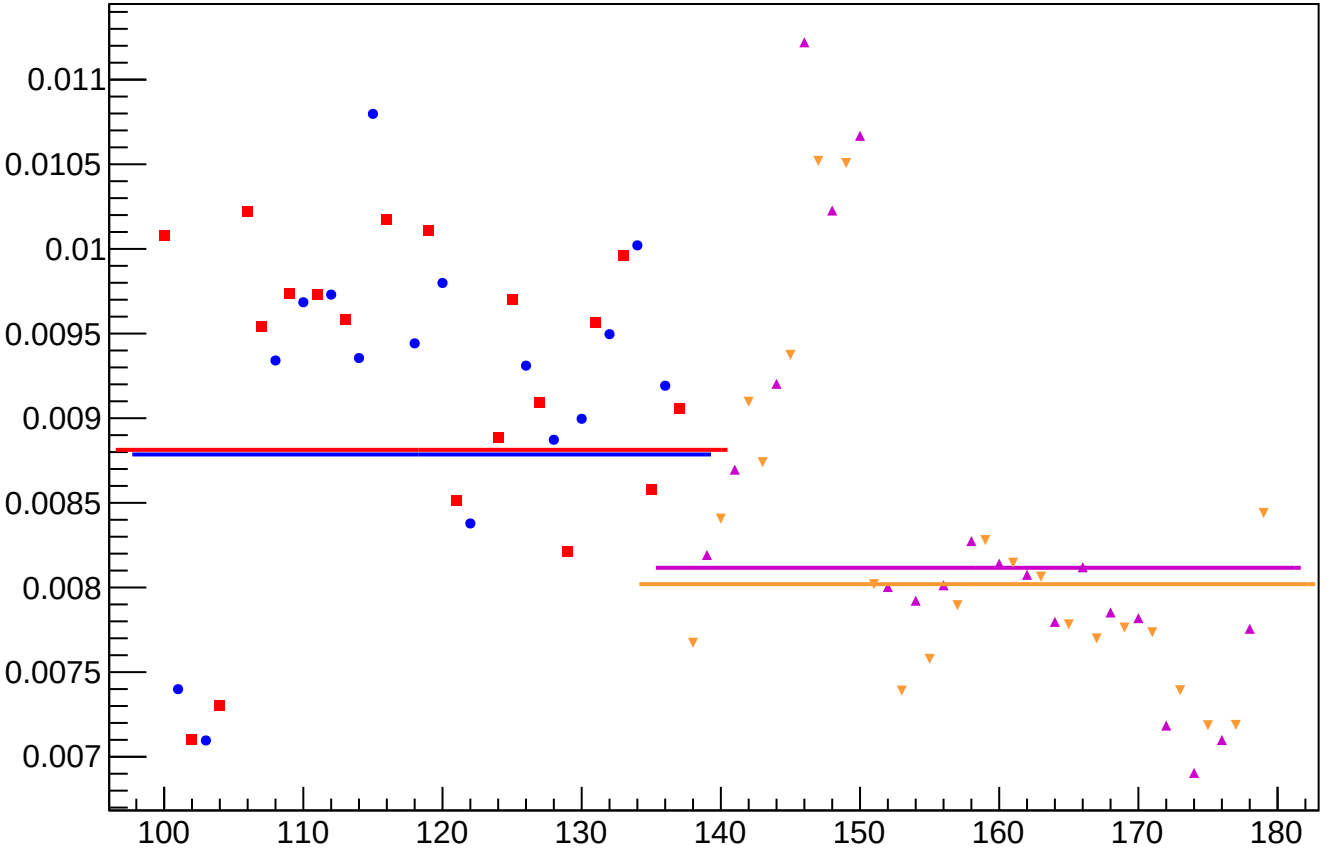
In: 0.012+/-0.000 χ^2/NDF:508588.2/35

Out: 0.012+/-0.000 χ^2/NDF:401324.0/40

All: 0.012+/-0.000 χ^2/NDF: 911679.8/76


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
180
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.241+/-0.000 χ²/NDF:4915707257.1/21
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.284+/-0.000 χ²/NDF:2982140503.4/19
Left: -1.261+/-0.000 χ²/NDF: 8125791550.4/41
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.242+/-0.000 χ²/NDF:8281579136.9/35
Out: -1.215+/-0.000 χ²/NDF:9119114913.1/40
All: -1.228+/-0.000 χ²/NDF: 17520610659.9/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:298071.4/21

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:402296.7/19

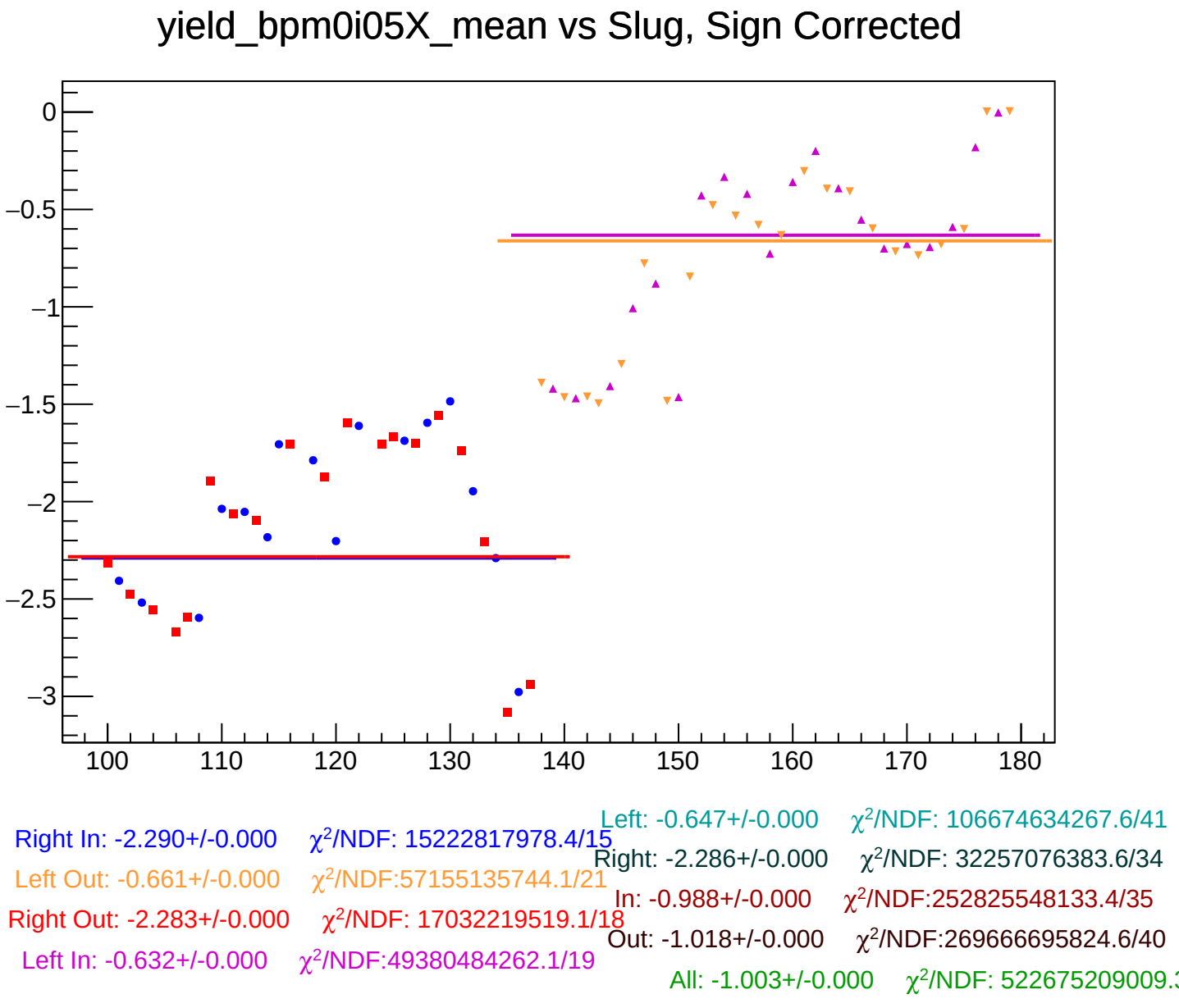
Left: 0.008+/-0.000 χ^2/NDF: 702619.7/41

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

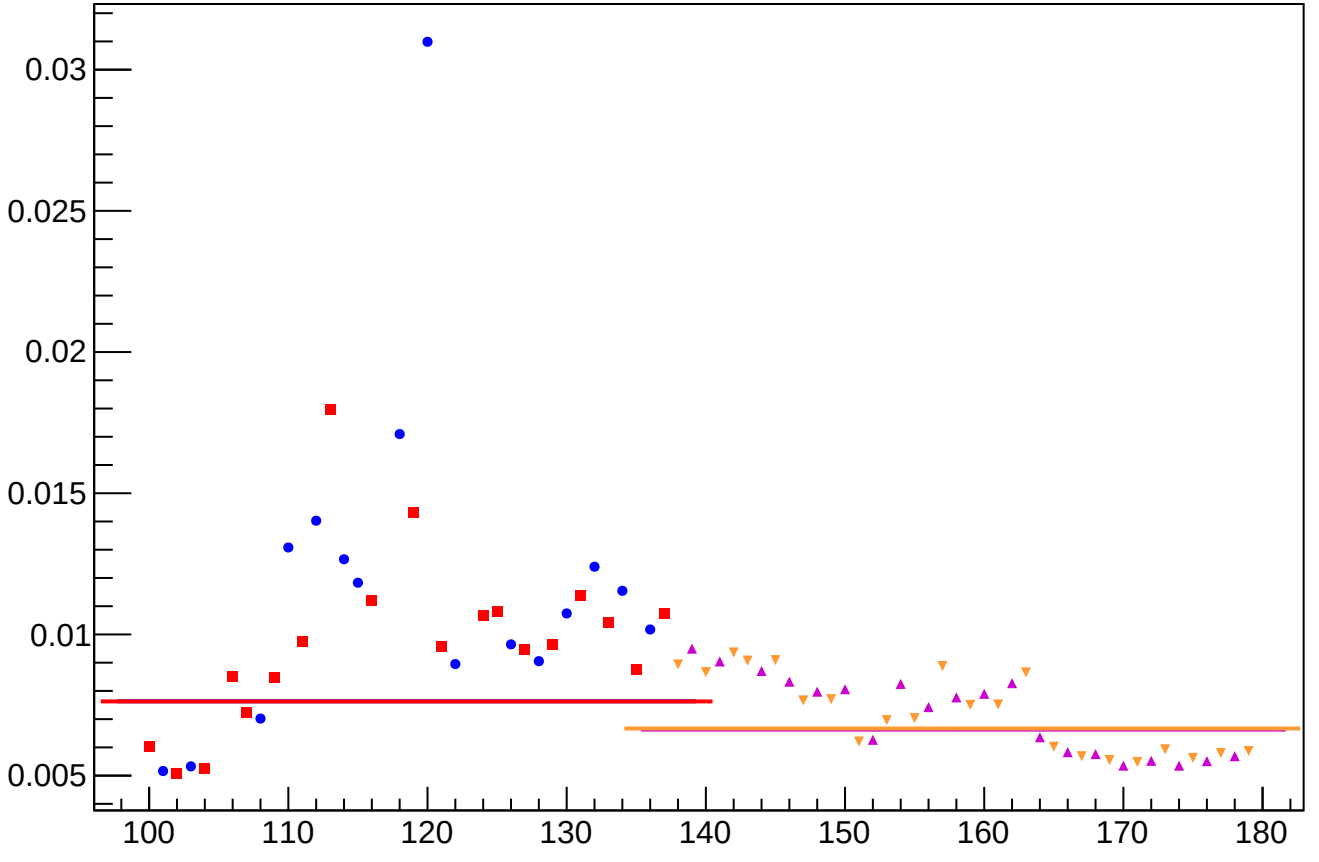
In: 0.008+/-0.000 χ^2/NDF:633199.7/35

Out: 0.008+/-0.000 χ^2/NDF:585598.7/40

All: 0.008+/-0.000 χ^2/NDF: 1220675.1/76


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.661+/-0.000 χ²/NDF:57155135744.1/21
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.632+/-0.000 χ²/NDF:49380484262.1/19
Left: -0.647+/-0.000 χ²/NDF: 106674634267.6/41
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -0.988+/-0.000 χ²/NDF:252825548133.4/35
Out: -1.018+/-0.000 χ²/NDF:269666695824.6/40
All: -1.003+/-0.000 χ²/NDF: 522675209009.3

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1019652.2/21

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1094315.4/19

Left: 0.007+/-0.000 χ^2/NDF: 2114473.9/41

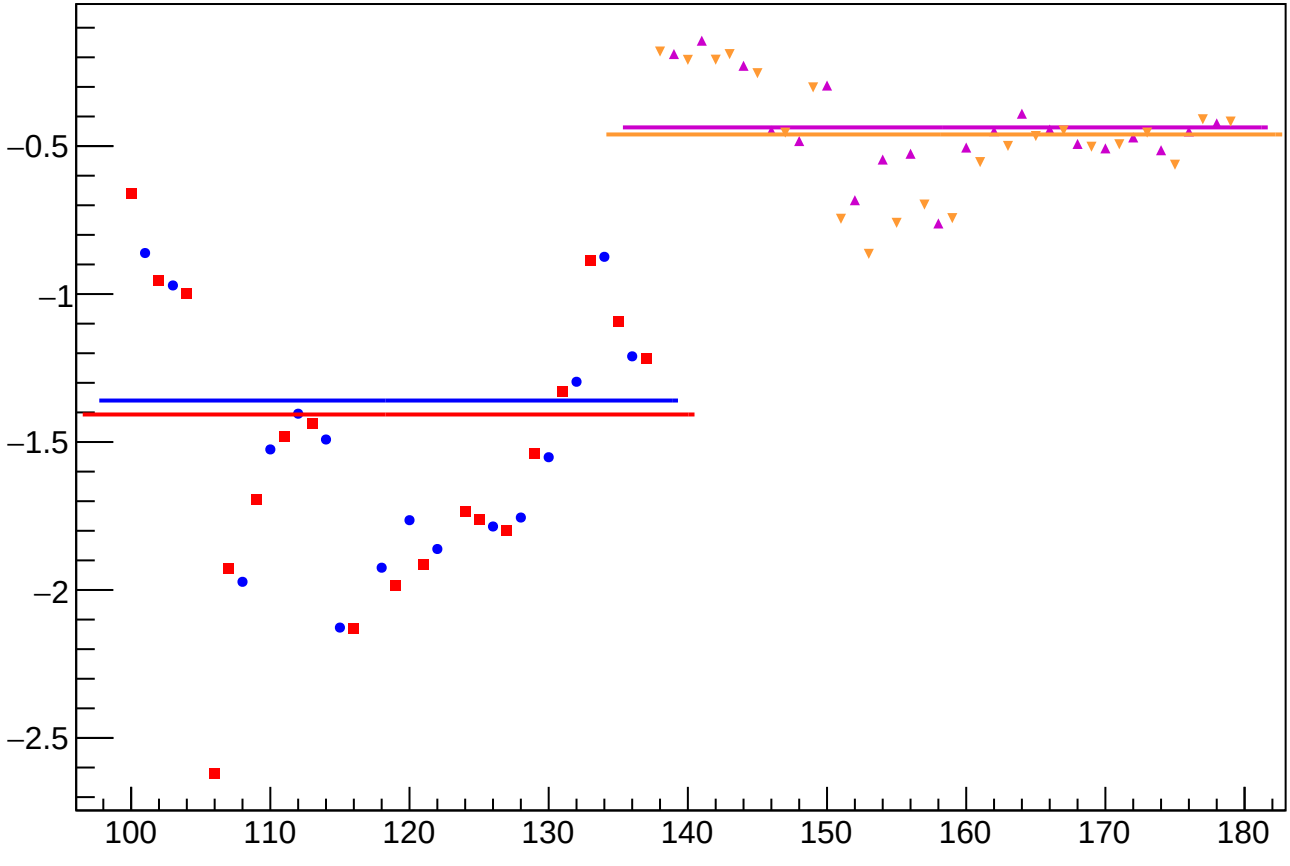
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.007+/-0.000 χ^2/NDF:2943019.8/35

Out: 0.007+/-0.000 χ^2/NDF:2474019.3/40

All: 0.007+/-0.000 χ^2/NDF: 5417538.4/76

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.461+/-0.000 χ^2/NDF:28619472457.7/21

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.437+/-0.000 χ^2/NDF:16433936746.2/19

Left: -0.449+/-0.000 χ^2/NDF: 45268168500.9/41

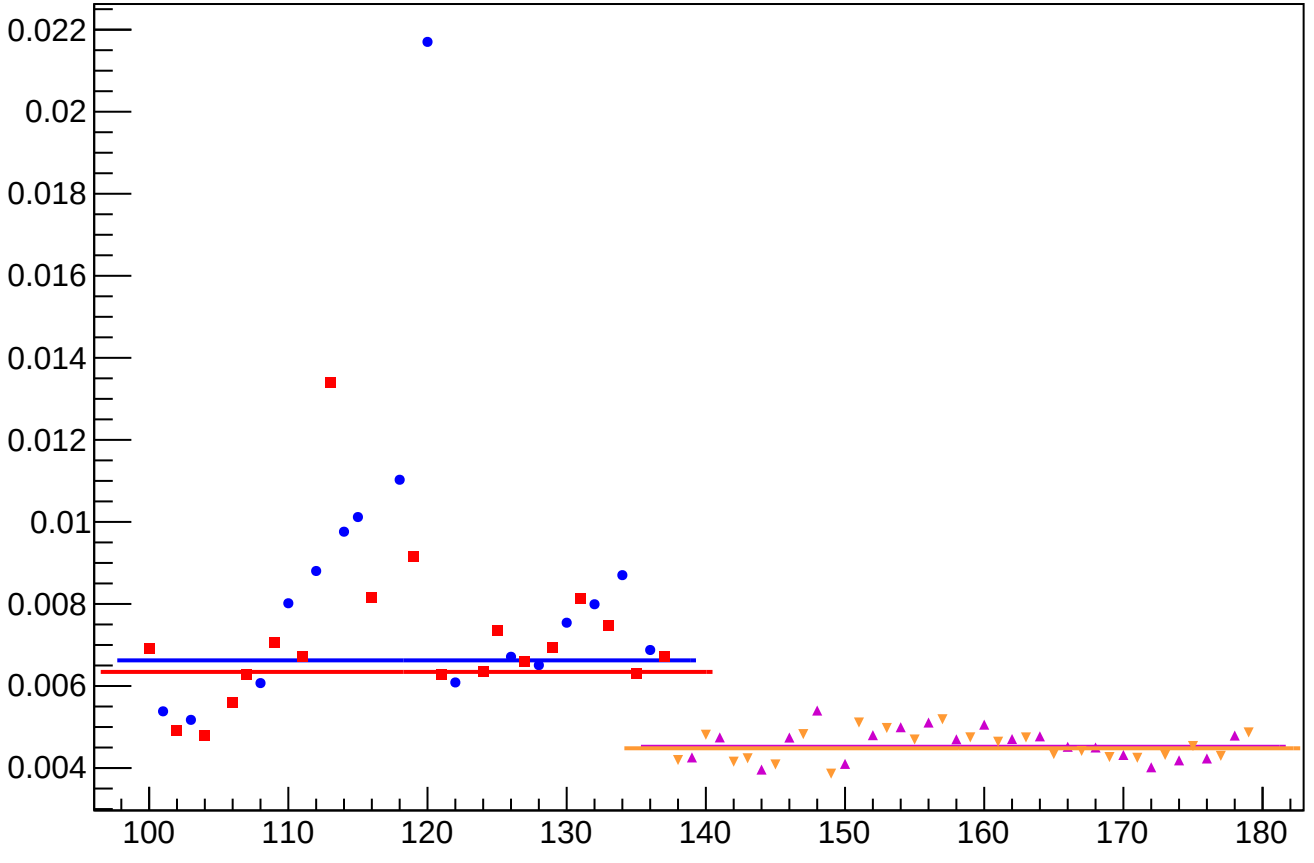
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.579+/-0.000 χ^2/NDF:132986081428.9/35

Out: -0.613+/-0.000 χ^2/NDF:172665988515.9/40

All: -0.597+/-0.000 χ^2/NDF: 306181494491.0

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:182534.8/21

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:208498.6/19

Left: 0.004+/-0.000 χ^2/NDF: 392068.1/41

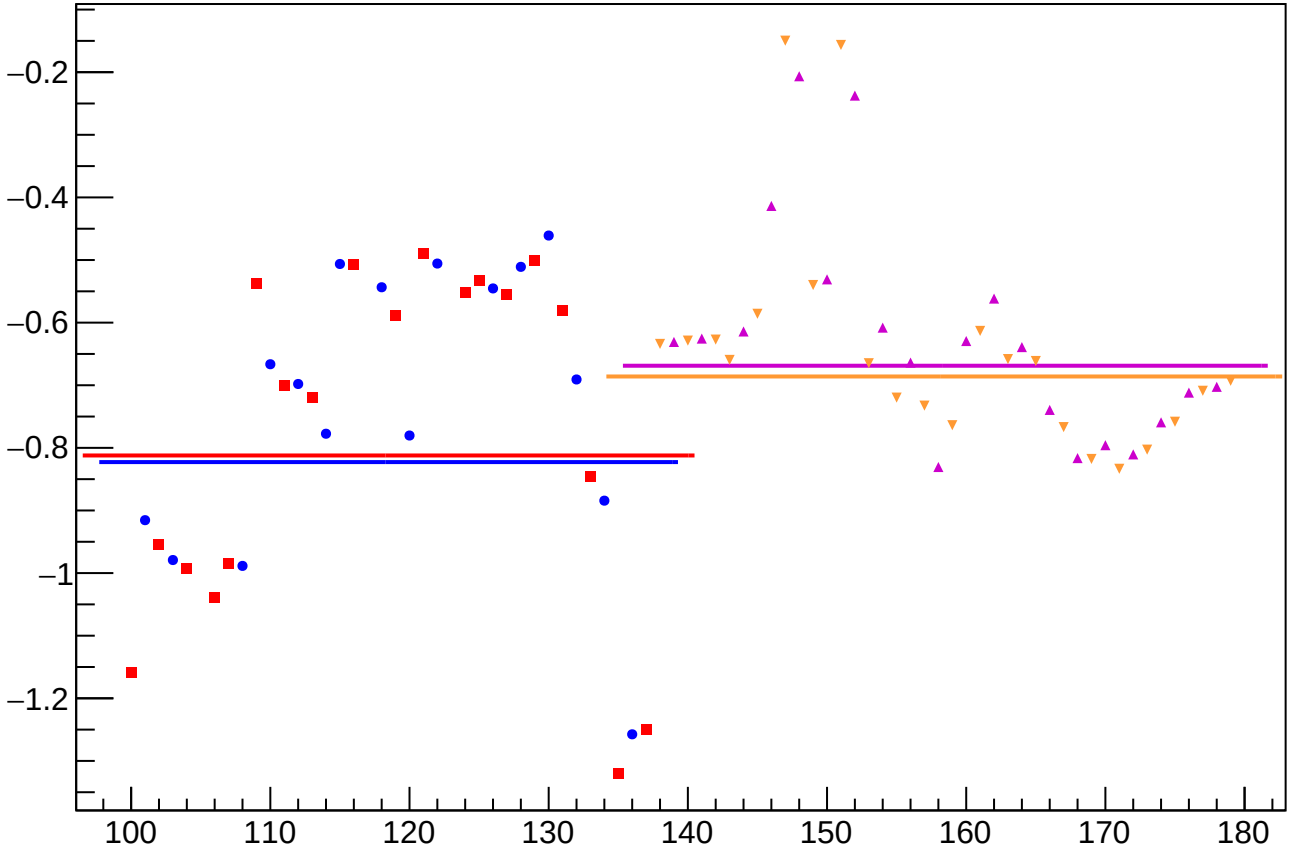
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1892492.5/35

Out: 0.005+/-0.000 χ^2/NDF:1596047.2/40

All: 0.005+/-0.000 χ^2/NDF: 3491881.7/76

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.686+/-0.000 χ^2/NDF:22330337381.0/21

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.669+/-0.000 χ^2/NDF:22493280525.0/19

Left: -0.678+/-0.000 χ^2/NDF: 44946856975.3/41

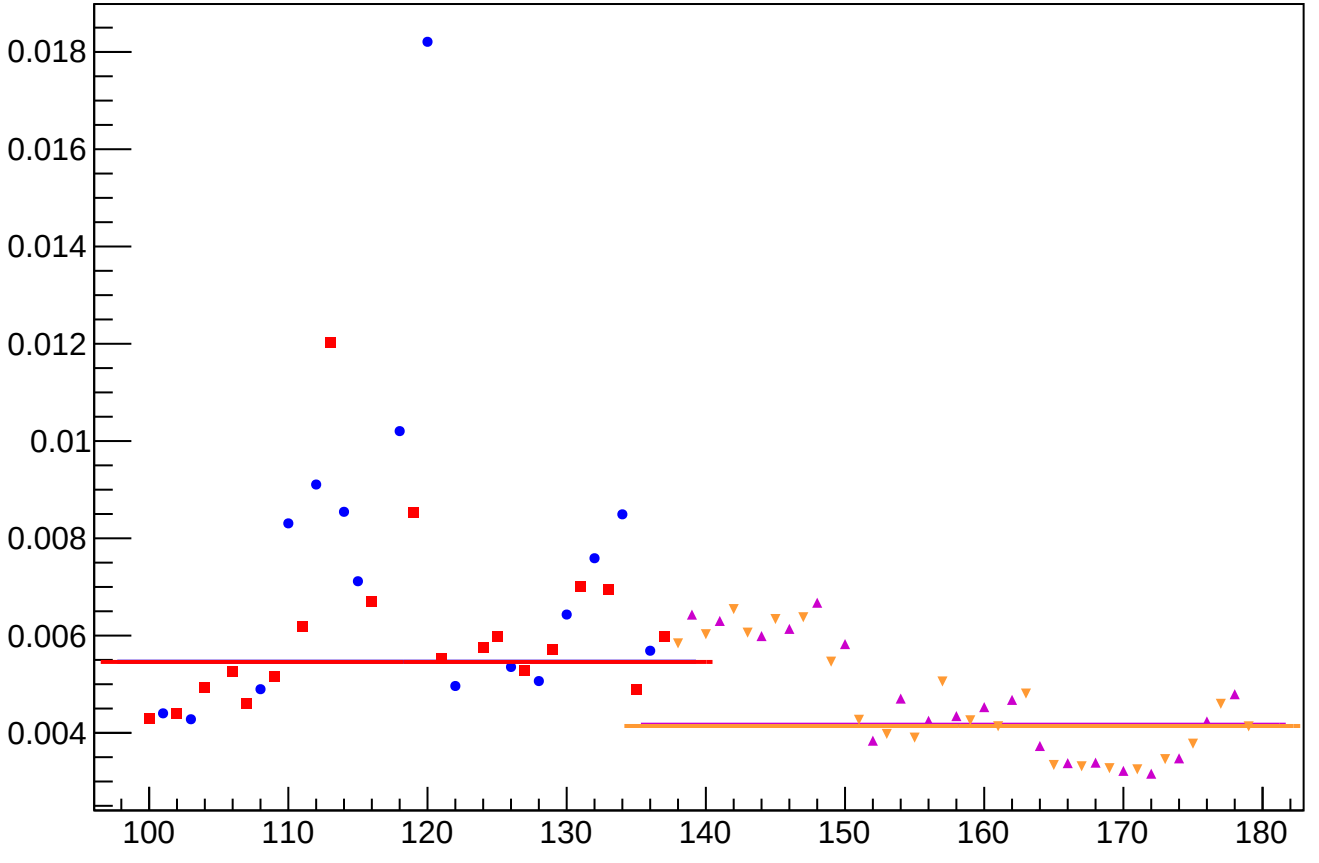
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.698+/-0.000 χ^2/NDF:38276057455.0/35

Out: -0.710+/-0.000 χ^2/NDF:39762219545.1/40

All: -0.704+/-0.000 χ^2/NDF: 78113837359.9/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1502799.5/21

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1631207.8/19

Left: 0.004+/-0.000 χ^2/NDF: 3134605.9/41

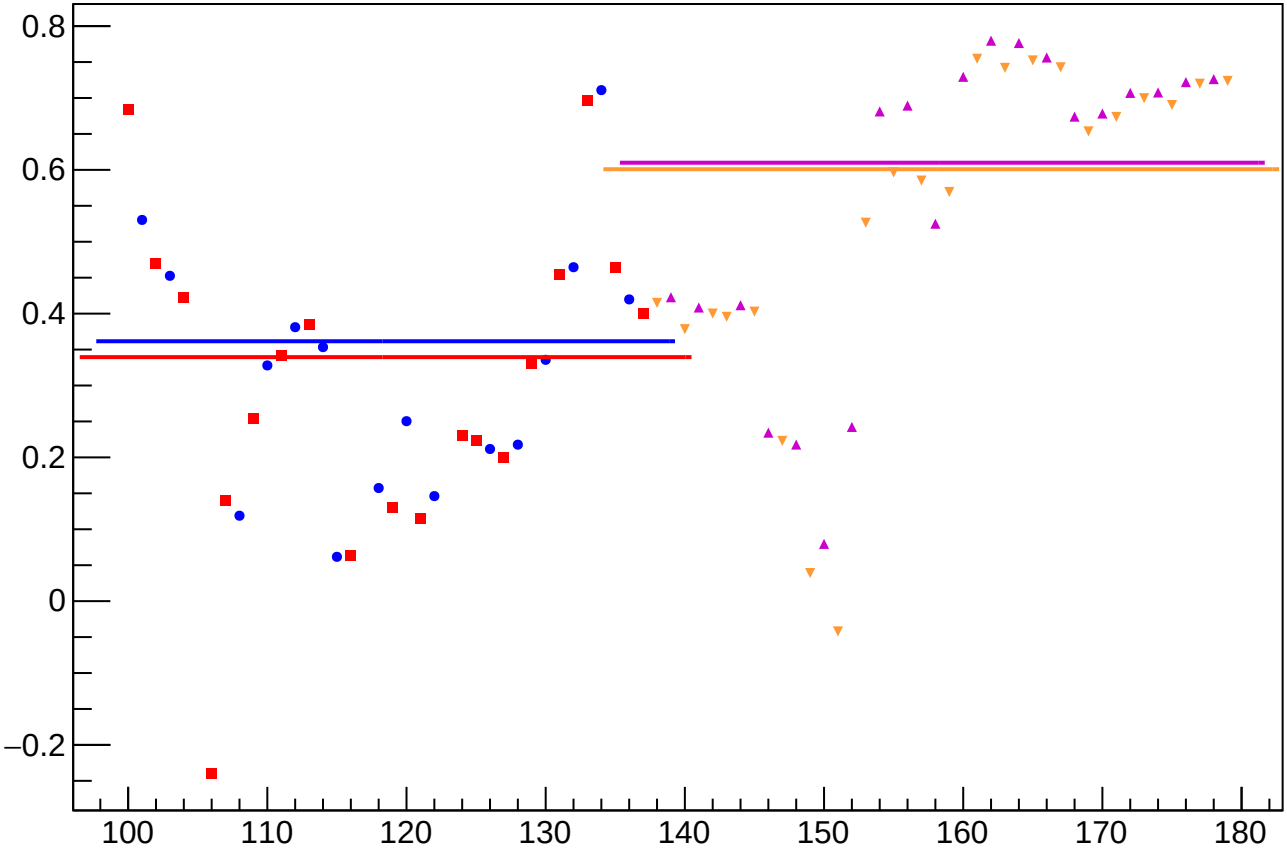
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3096448.9/35

Out: 0.004+/-0.000 χ^2/NDF:2578745.2/40

All: 0.004+/-0.000 χ^2/NDF: 5675659.8/76

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.601+/-0.000 χ^2/NDF:43857412144.0/21

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.610+/-0.000 χ^2/NDF:38364584673.2/19

Left: 0.605+/-0.000 χ^2/NDF: 82269994610.2/41

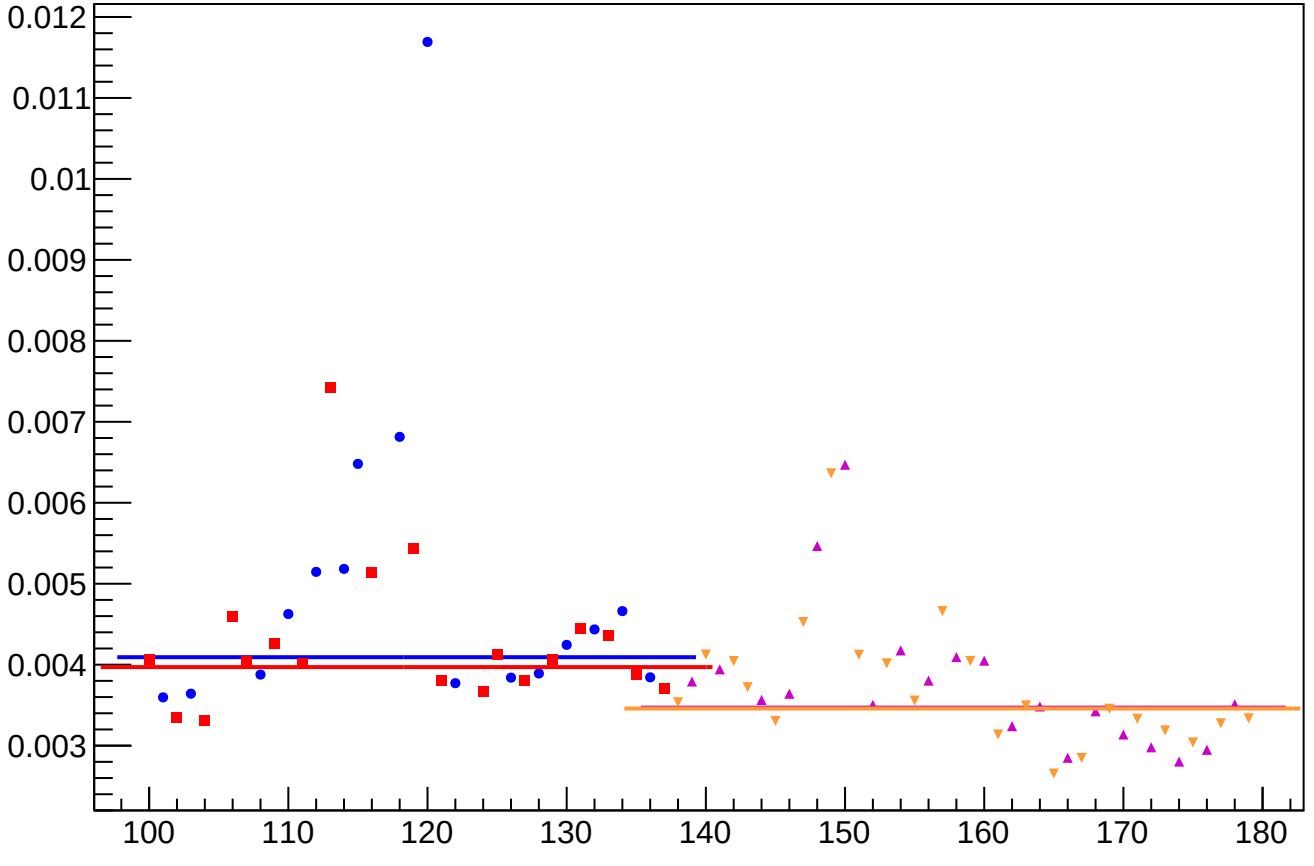
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.549+/-0.000 χ^2/NDF:64142265955.7/35

Out: 0.535+/-0.000 χ^2/NDF:76717448993.4/40

All: 0.542+/-0.000 χ^2/NDF: 141003333193.2

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:809314.4/21

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862822.9/19

Left: 0.003+/-0.000 χ^2/NDF: 1672281.2/41

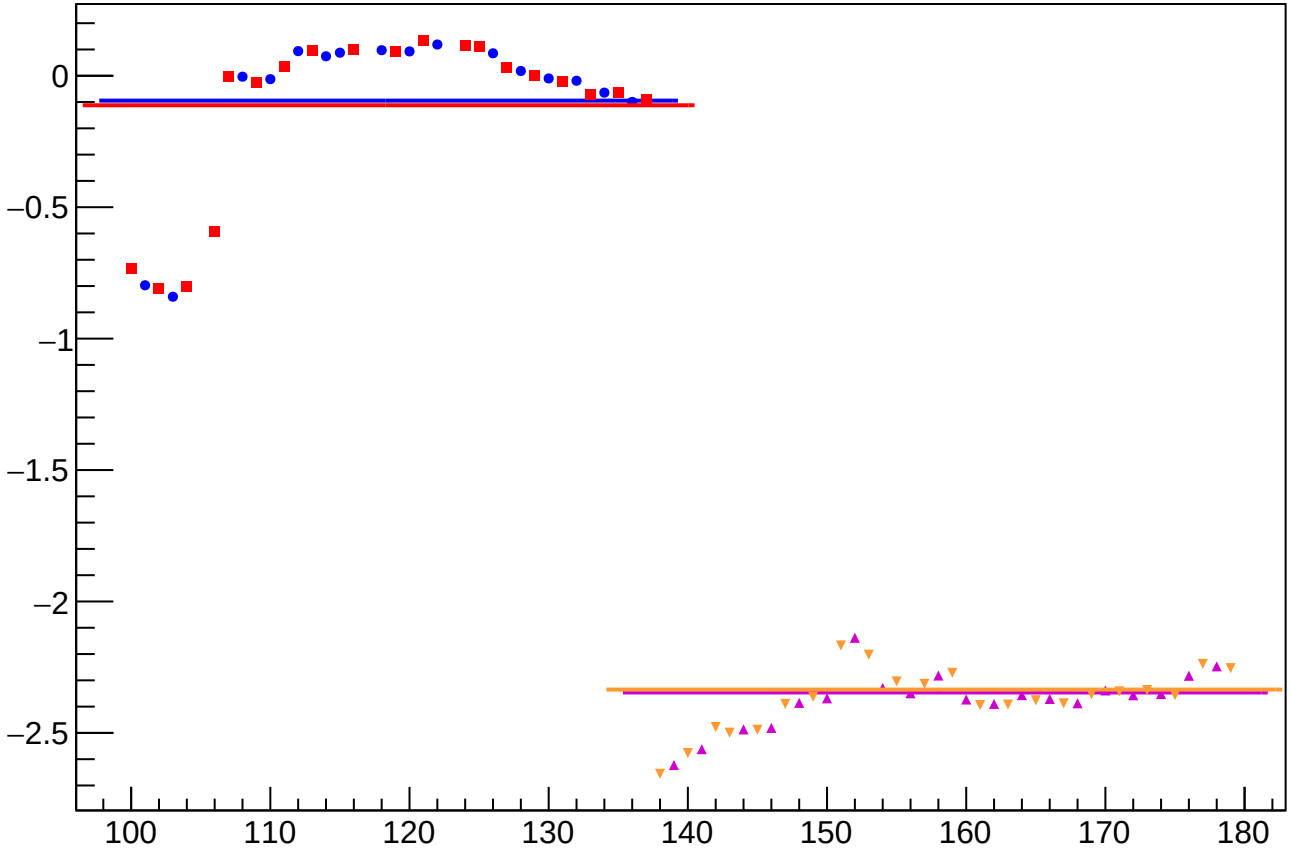
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1568359.1/35

Out: 0.004+/-0.000 χ^2/NDF:1282458.6/40

All: 0.004+/-0.000 χ^2/NDF: 2852811.3/76

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.335+/-0.000 χ^2/NDF:1916404238.0/21

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.346+/-0.000 χ^2/NDF:1494534552.2/19

Left: -2.340+/-0.000 χ^2/NDF: 3422324497.7/41

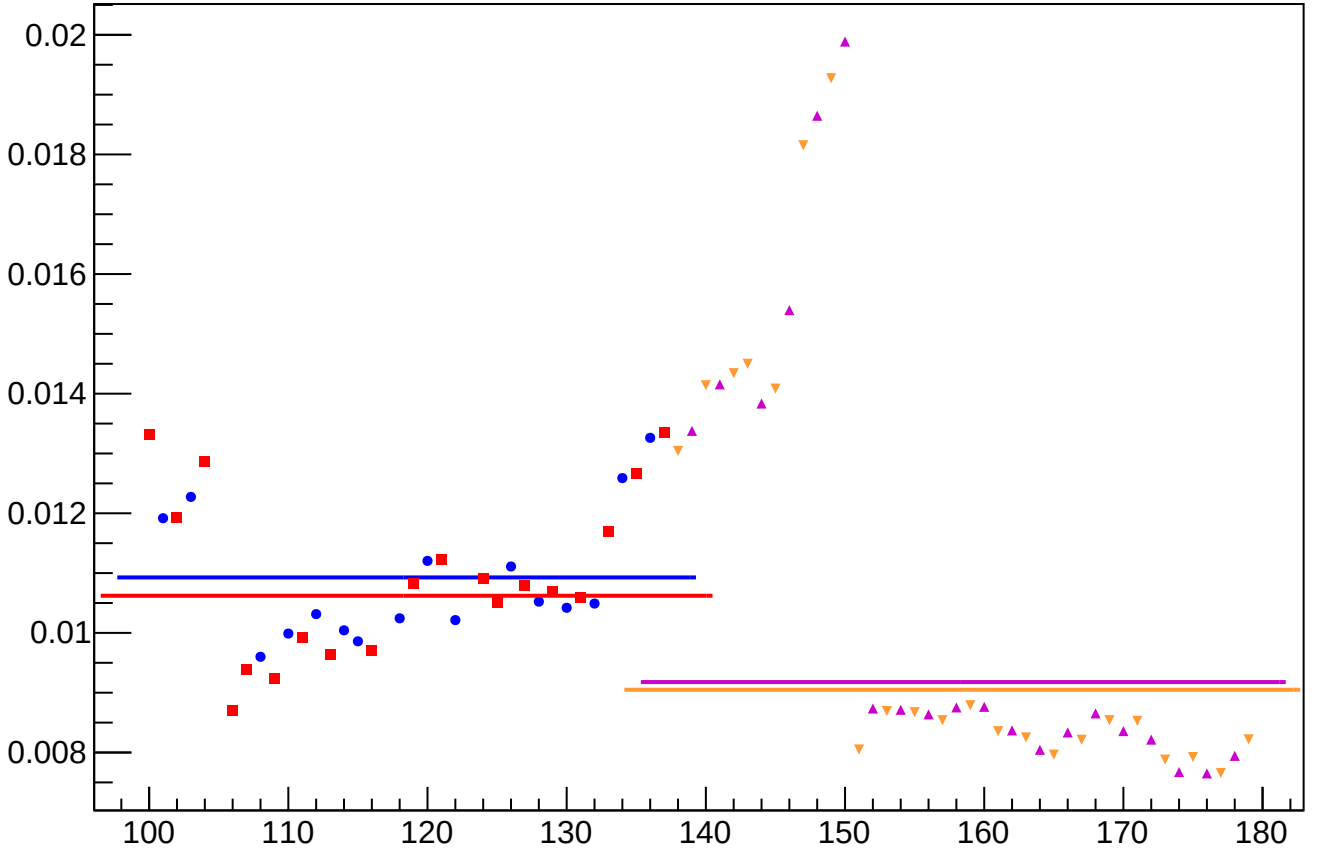
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.787+/-0.000 χ^2/NDF:234204322590.8/35

Out: -1.786+/-0.000 χ^2/NDF:251245162534.8/40

All: -1.786+/-0.000 χ^2/NDF: 485449504547.

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:2047860.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2099825.4/19

Left: 0.009+/-0.000 χ^2/NDF: 4150812.4/41

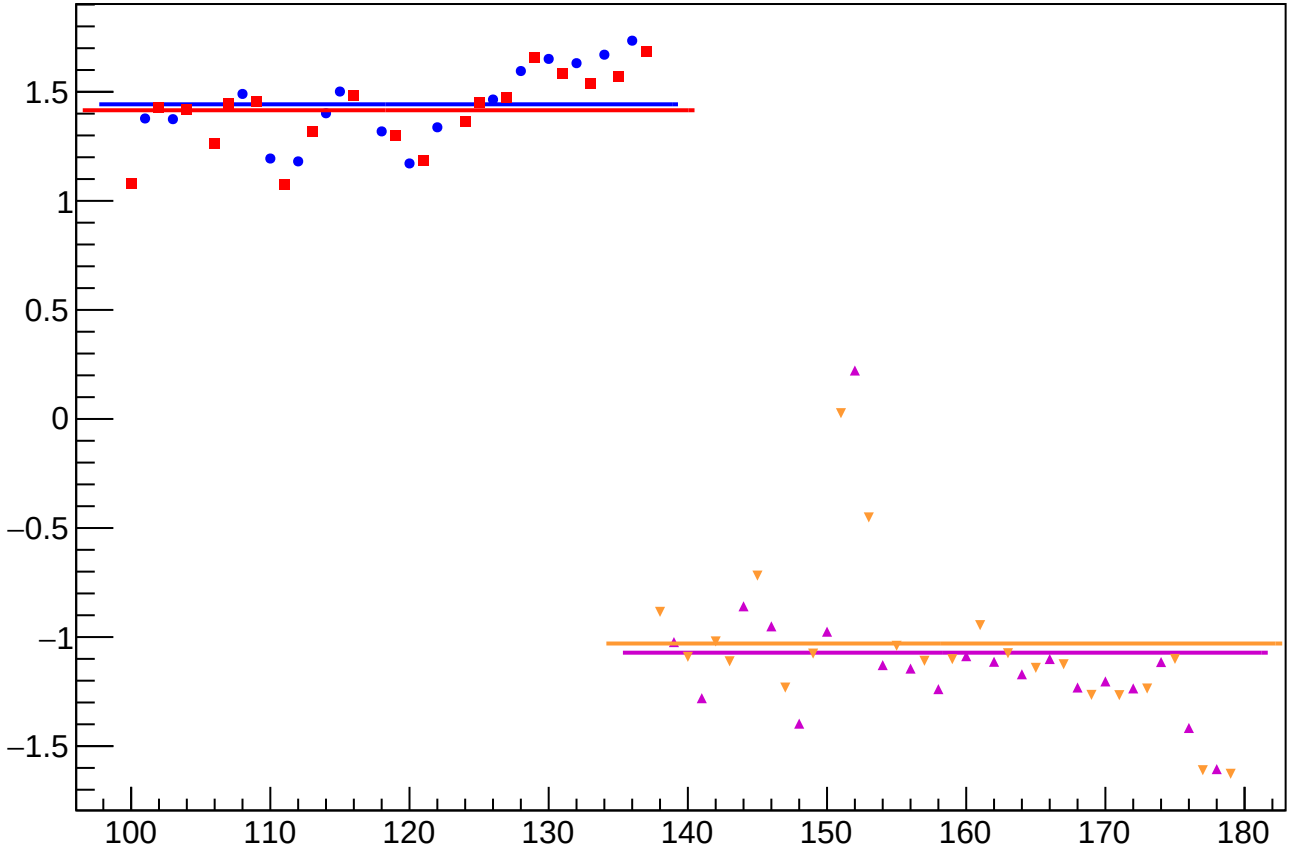
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2510692.7/35

Out: 0.009+/-0.000 χ^2/NDF:2481559.6/40

All: 0.010+/-0.000 χ^2/NDF: 4999969.5/76

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -1.030+/-0.000 χ^2/NDF:48960368955.8/21

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.072+/-0.000 χ^2/NDF:49813141581.9/19

Left: -1.050+/-0.000 χ^2/NDF: 99043320143.4/41

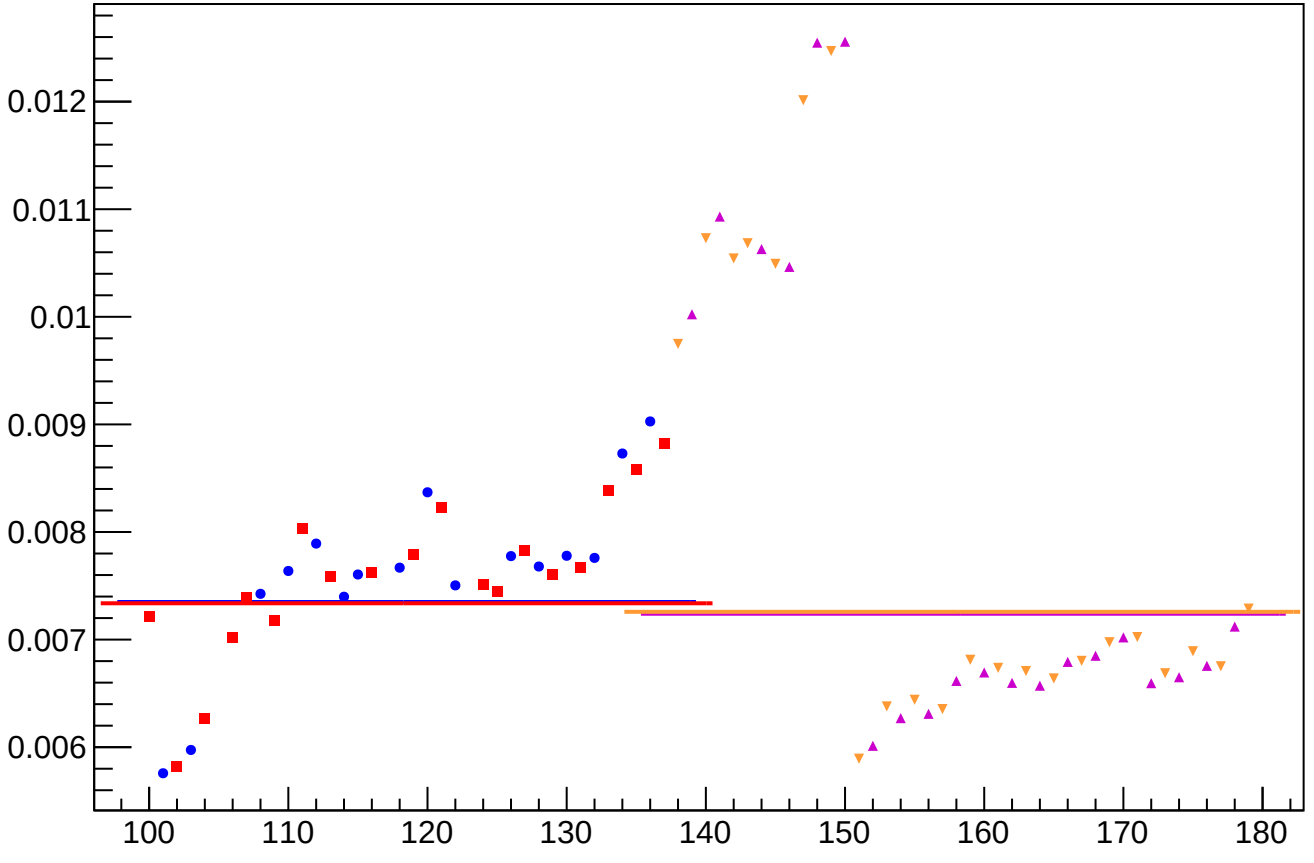
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.300+/-0.000 χ^2/NDF:626748256270.7/35

Out: -0.289+/-0.000 χ^2/NDF:622451234932.2/40

All: -0.294+/-0.000 χ^2/NDF: 1249224492533

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1487136.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1553791.7/19

Left: 0.007+/-0.000 χ^2/NDF: 3041025.9/41

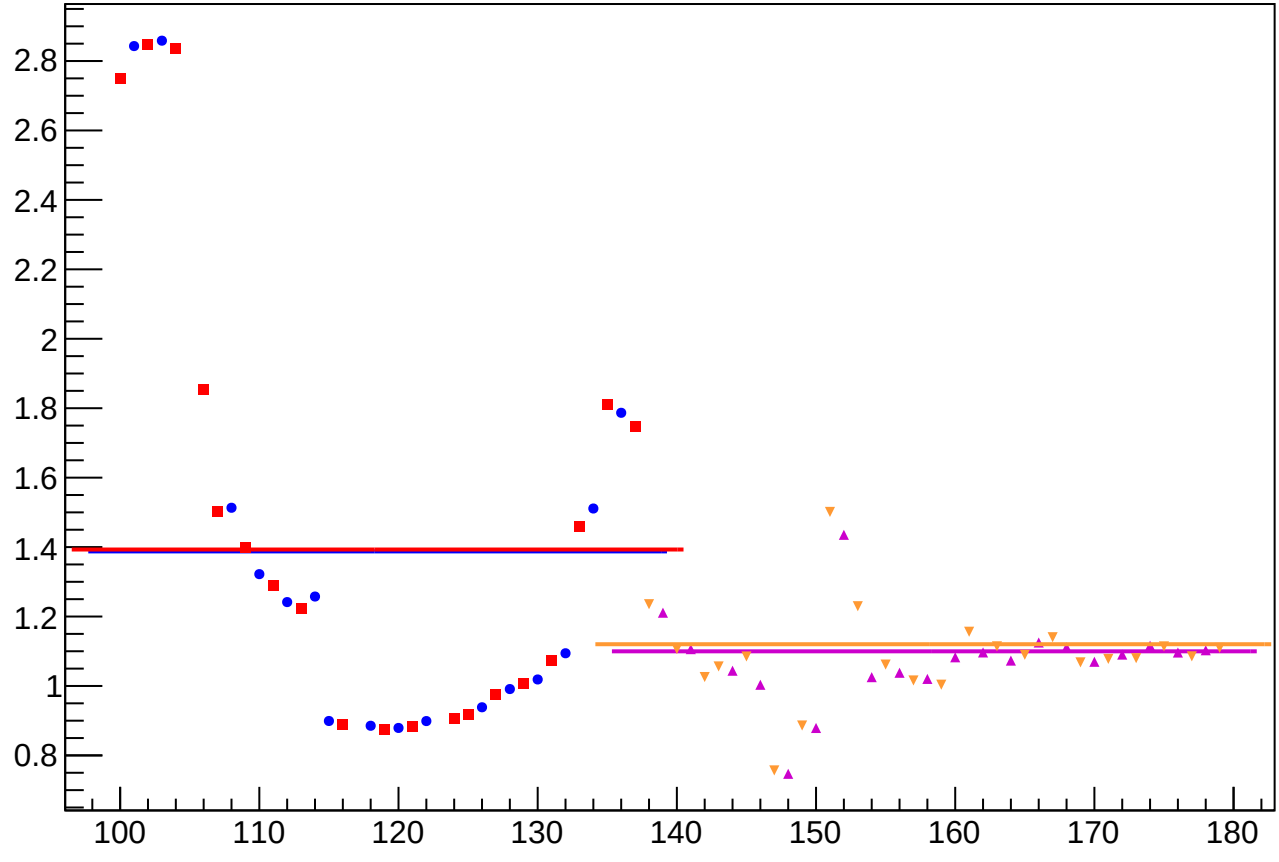
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1826814.4/35

Out: 0.007+/-0.000 χ^2/NDF:1683709.8/40

All: 0.007+/-0.000 χ^2/NDF: 3510555.6/76

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.120+/-0.000 χ^2/NDF:5511825076.4/21

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4185860210.7/19

Left: 1.111+/-0.000 χ^2/NDF: 9762960622.6/41

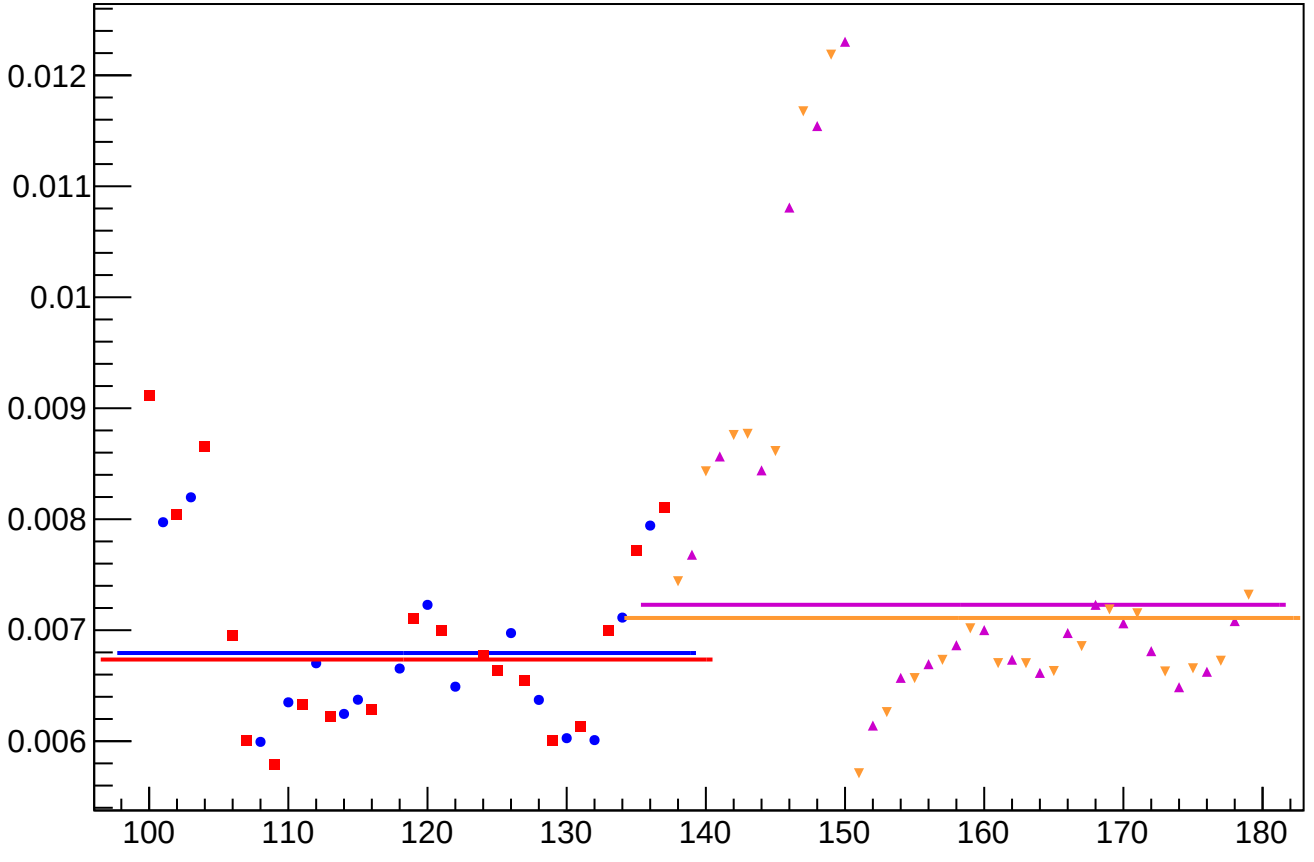
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.198+/-0.000 χ^2/NDF:71195995880.9/35

Out: 1.210+/-0.000 χ^2/NDF:68953551623.3/40

All: 1.204+/-0.000 χ^2/NDF: 140186216965.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:850840.9/21

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:909403.0/19

Left: 0.007+/-0.000 χ^2/NDF: 1764633.7/41

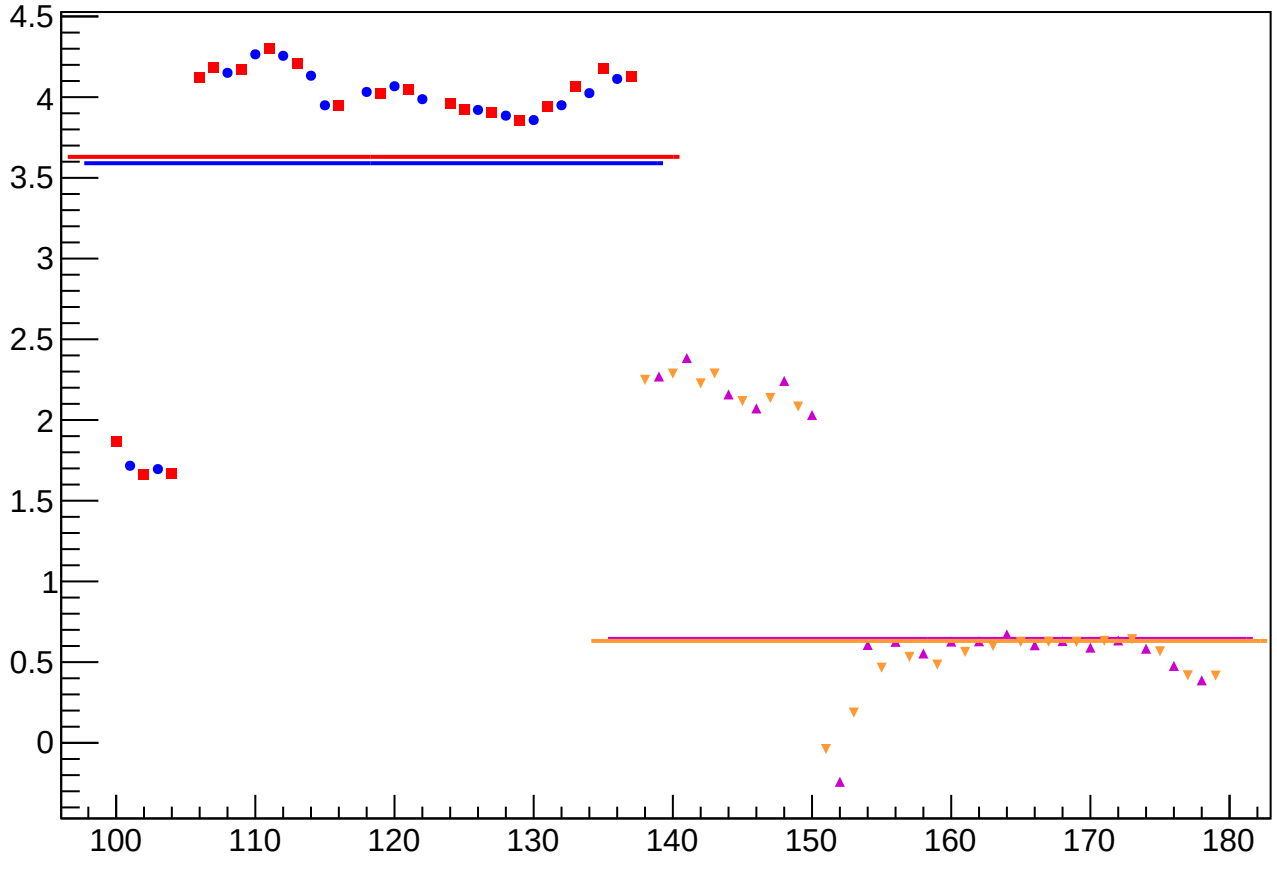
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1112135.9/35

Out: 0.007+/-0.000 χ^2/NDF:1079788.5/40

All: 0.007+/-0.000 χ^2/NDF: 2196102.2/76

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.632+/-0.000 χ^2/NDF:249418925747.9/21

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.644+/-0.000 χ^2/NDF:248487631001.6/19

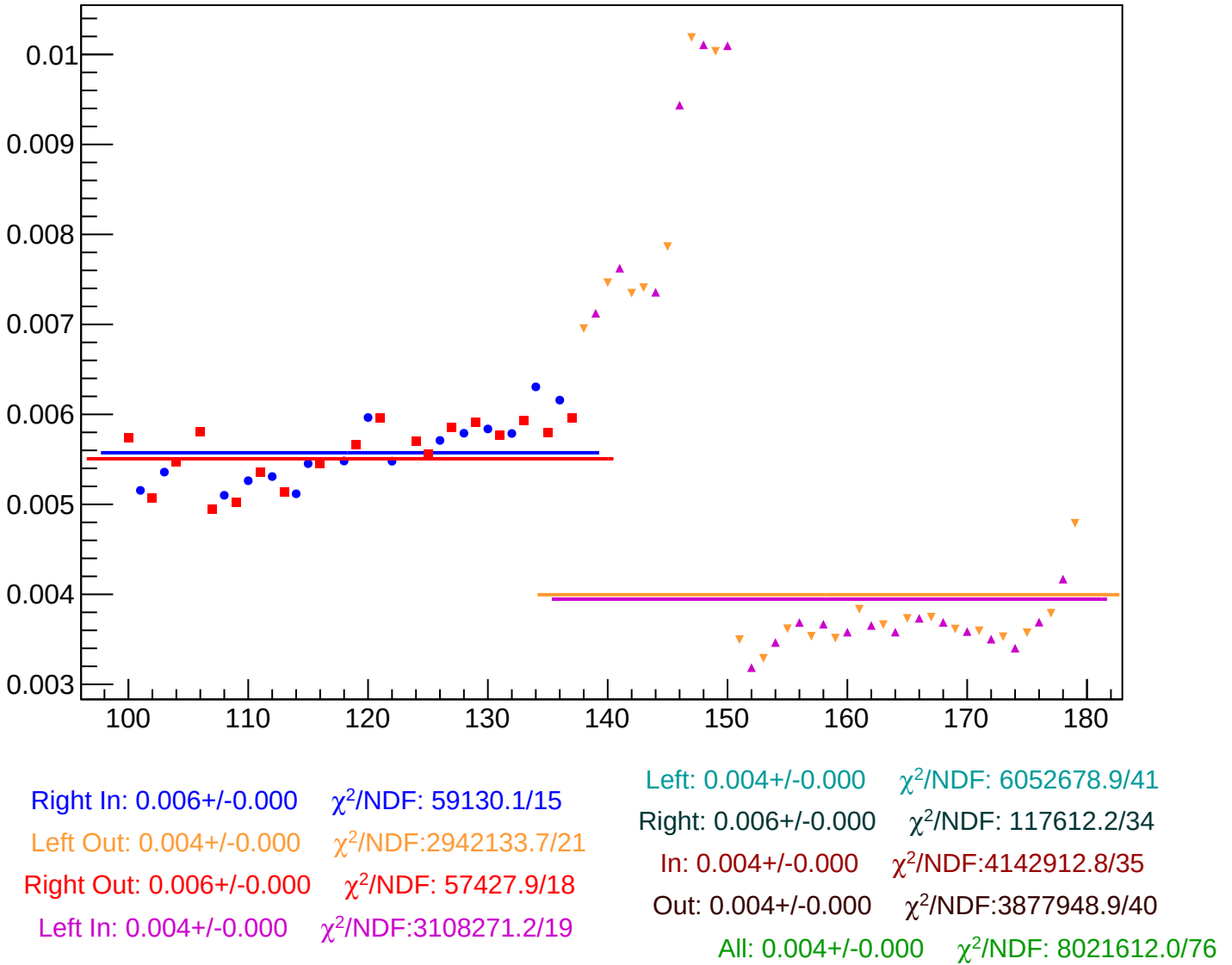
Left: 0.638+/-0.000 χ^2/NDF: 497978793590.5/41

Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

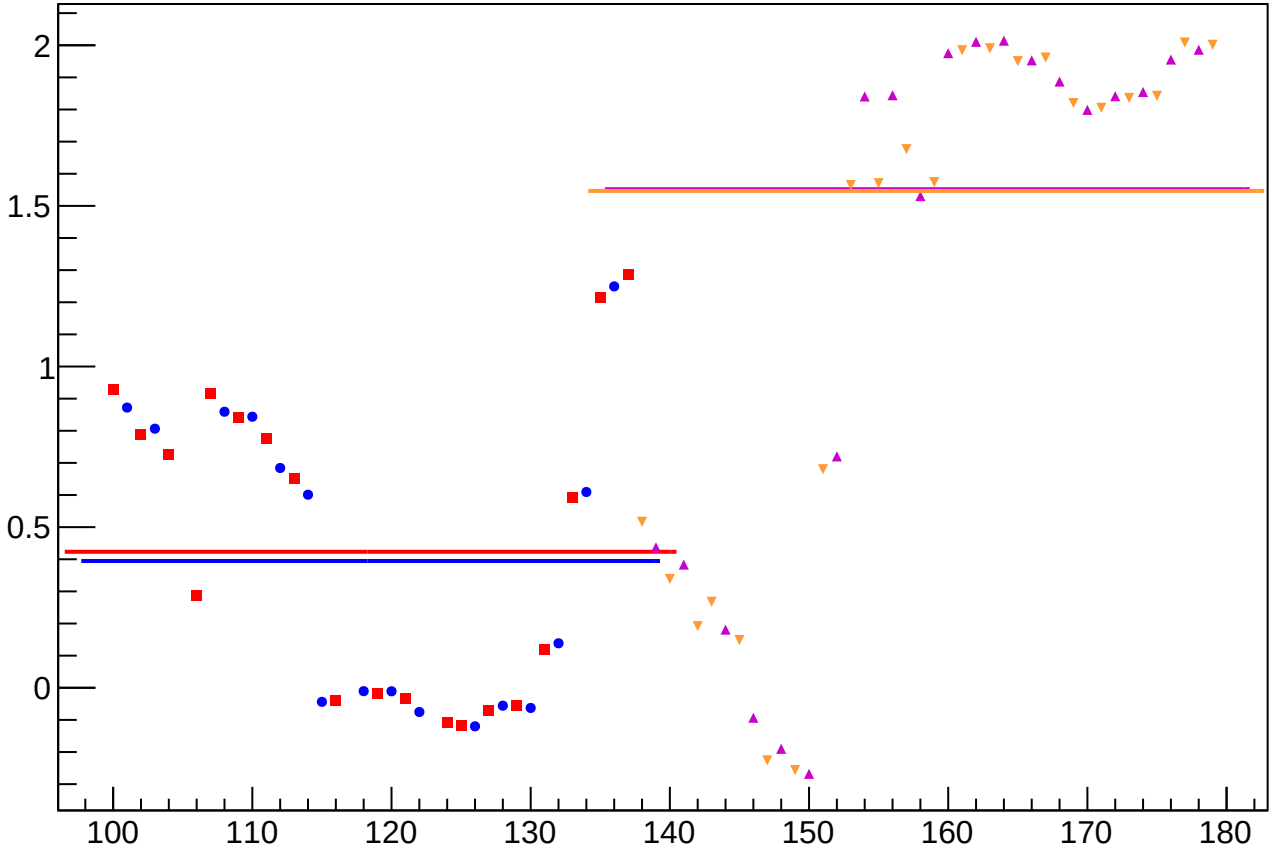
In: 1.237+/-0.000 χ^2/NDF:2050960830669.7/35

Out: 1.234+/-0.000 χ^2/NDF:2192421344089.3/40

All: 1.235+/-0.000 χ^2/NDF: 4243388114494.


yield_bpm1i04Y_rms vs Slug, Sign Corrected
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 59130.1/15
Left Out: 0.004+/-0.000 χ²/NDF:2942133.7/21
Right Out: 0.006+/-0.000 χ²/NDF: 57427.9/18
Left In: 0.004+/-0.000 χ²/NDF:3108271.2/19
Left: 0.004+/-0.000 χ²/NDF: 6052678.9/41
Right: 0.006+/-0.000 χ²/NDF: 117612.2/34
In: 0.004+/-0.000 χ²/NDF:4142912.8/35
Out: 0.004+/-0.000 χ²/NDF:3877948.9/40
All: 0.004+/-0.000 χ²/NDF: 8021612.0/76

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.547+/-0.000 χ^2/NDF:59140103898.8/21

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.552+/-0.000 χ^2/NDF:62781431325.1/19

Left: 1.549+/-0.000 χ^2/NDF: 121923747527.6/41

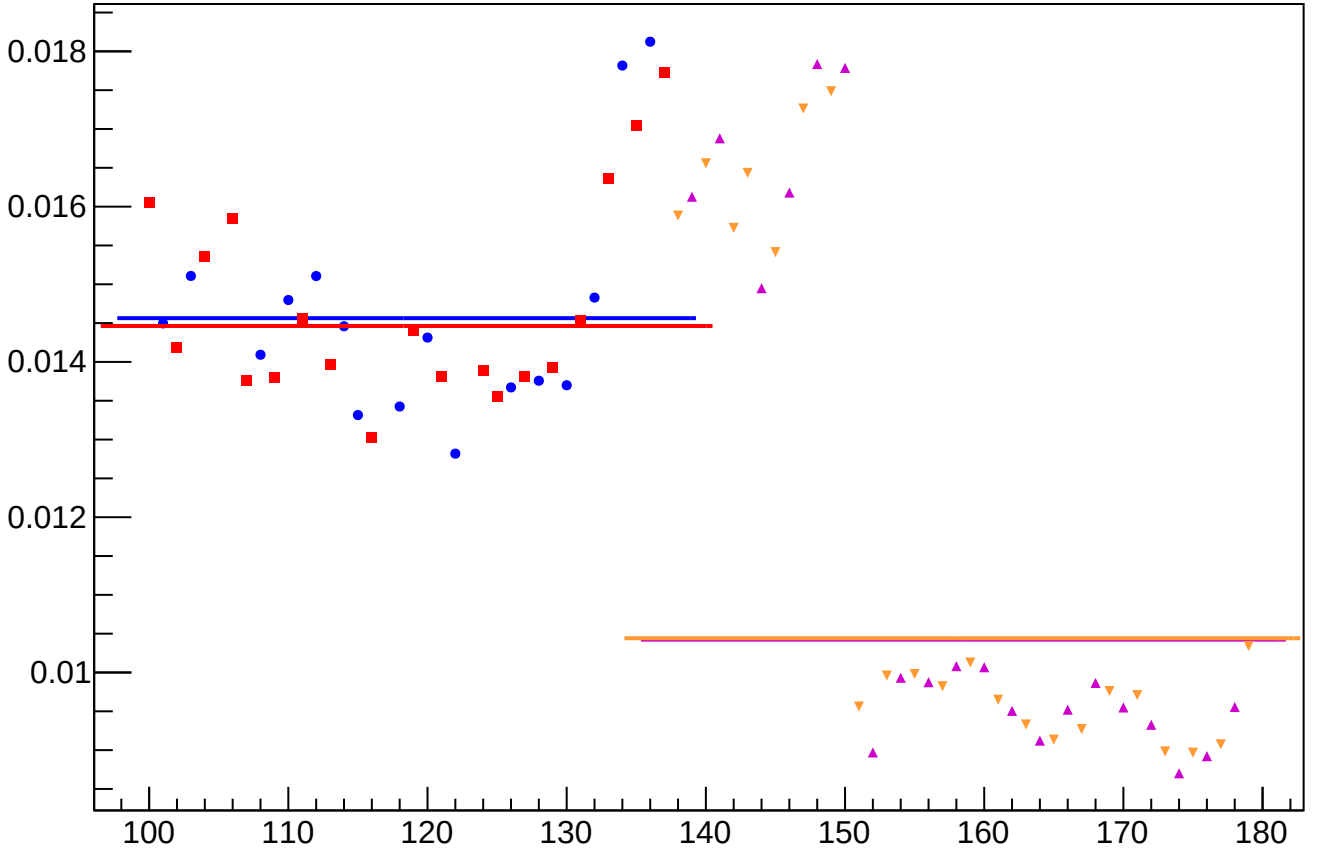
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.330+/-0.000 χ^2/NDF:106423306730.0/35

Out: 1.335+/-0.000 χ^2/NDF:101724433938.5/40

All: 1.333+/-0.000 χ^2/NDF: 208150339382.8

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1658410.8/21

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1704172.2/19

Left: 0.010+/-0.000 χ^2/NDF: 3362630.8/41

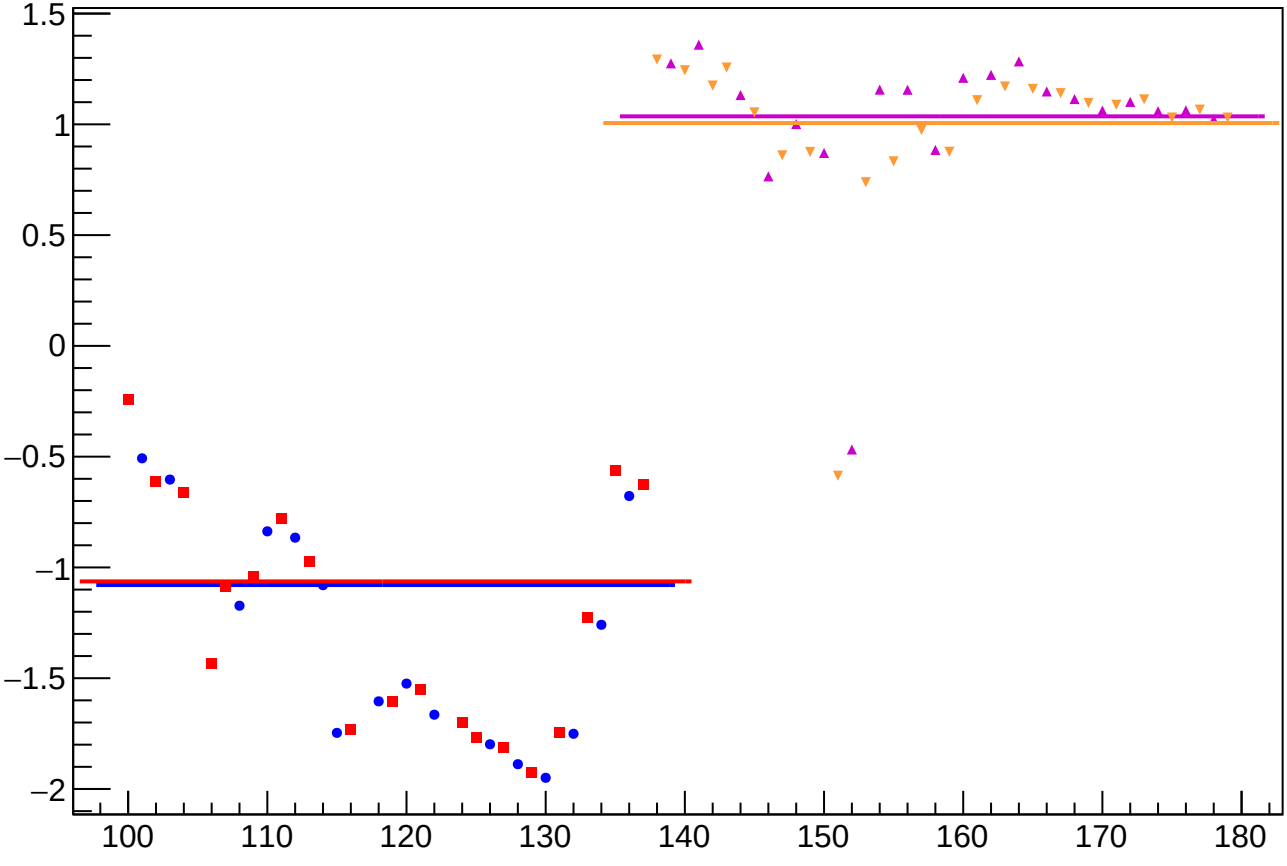
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2764478.7/35

Out: 0.011+/-0.000 χ^2/NDF:2650628.4/40

All: 0.011+/-0.000 χ^2/NDF: 5415179.8/76

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.006+/-0.000 χ^2/NDF:110848674833.1/21

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.036+/-0.000 χ^2/NDF:125274608213.4/19

Left: 1.020+/-0.000 χ^2/NDF: 236678901384.2/41

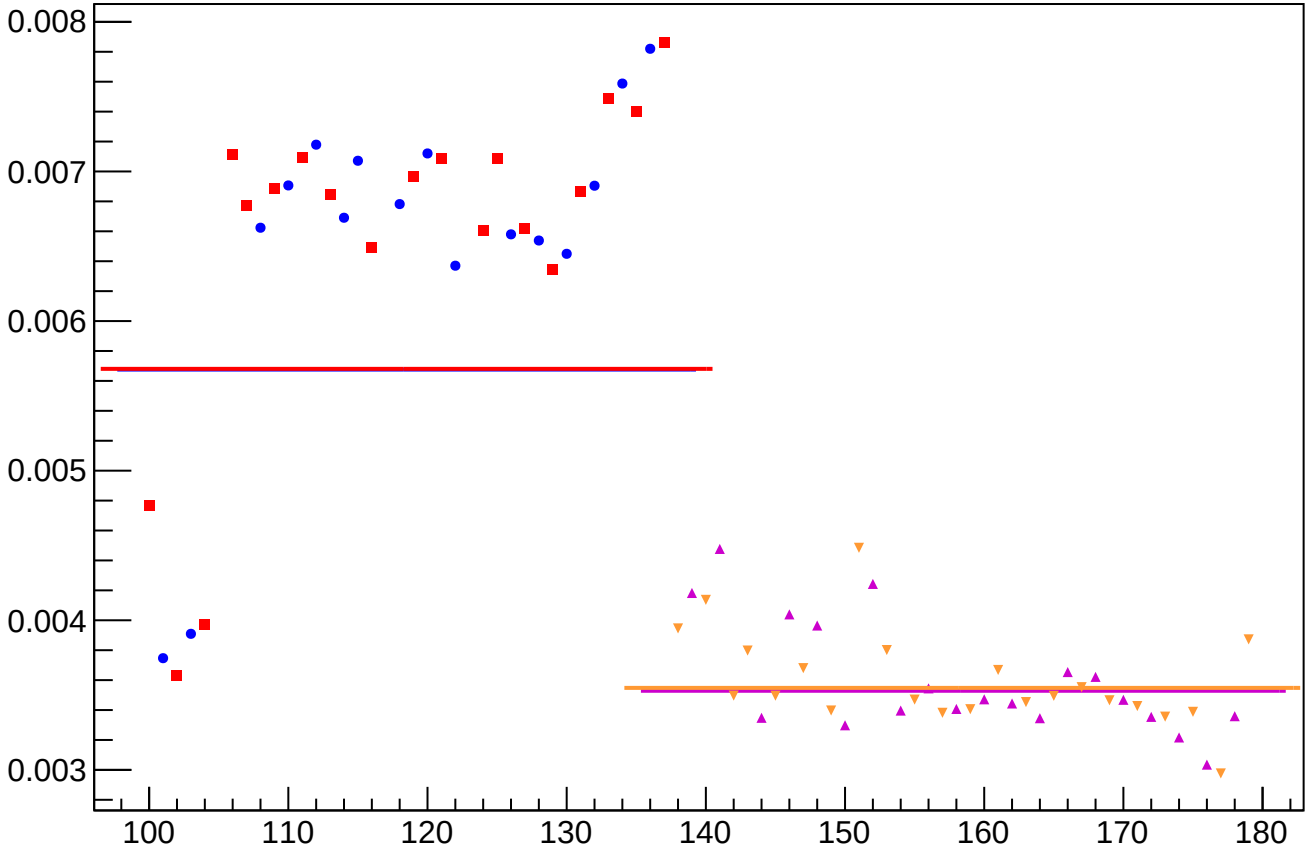
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.733+/-0.000 χ^2/NDF:942827502672.3/35

Out: 0.722+/-0.000 χ^2/NDF:898886922770.2/40

All: 0.728+/-0.000 χ^2/NDF: 1841799138900.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:211886.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:276181.8/19

Left: 0.004+/-0.000 χ^2/NDF: 488519.4/41

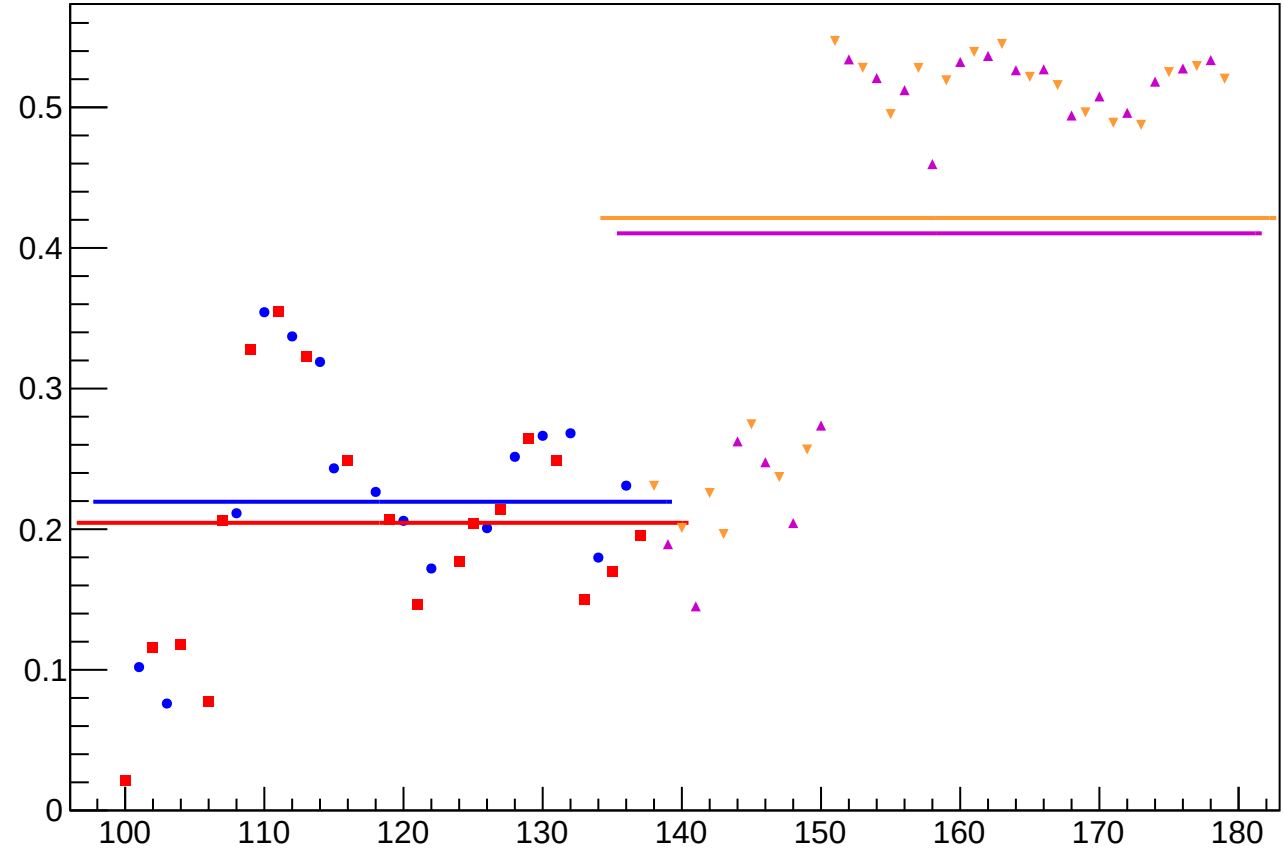
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2782426.7/35

Out: 0.004+/-0.000 χ^2/NDF:2760842.2/40

All: 0.004+/-0.000 χ^2/NDF: 5543293.2/76

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.421+/-0.000 χ^2/NDF:149129845916.4/21

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.410+/-0.000 χ^2/NDF:146938491322.8/19

Left: 0.416+/-0.000 χ^2/NDF: 296507993030.9/41

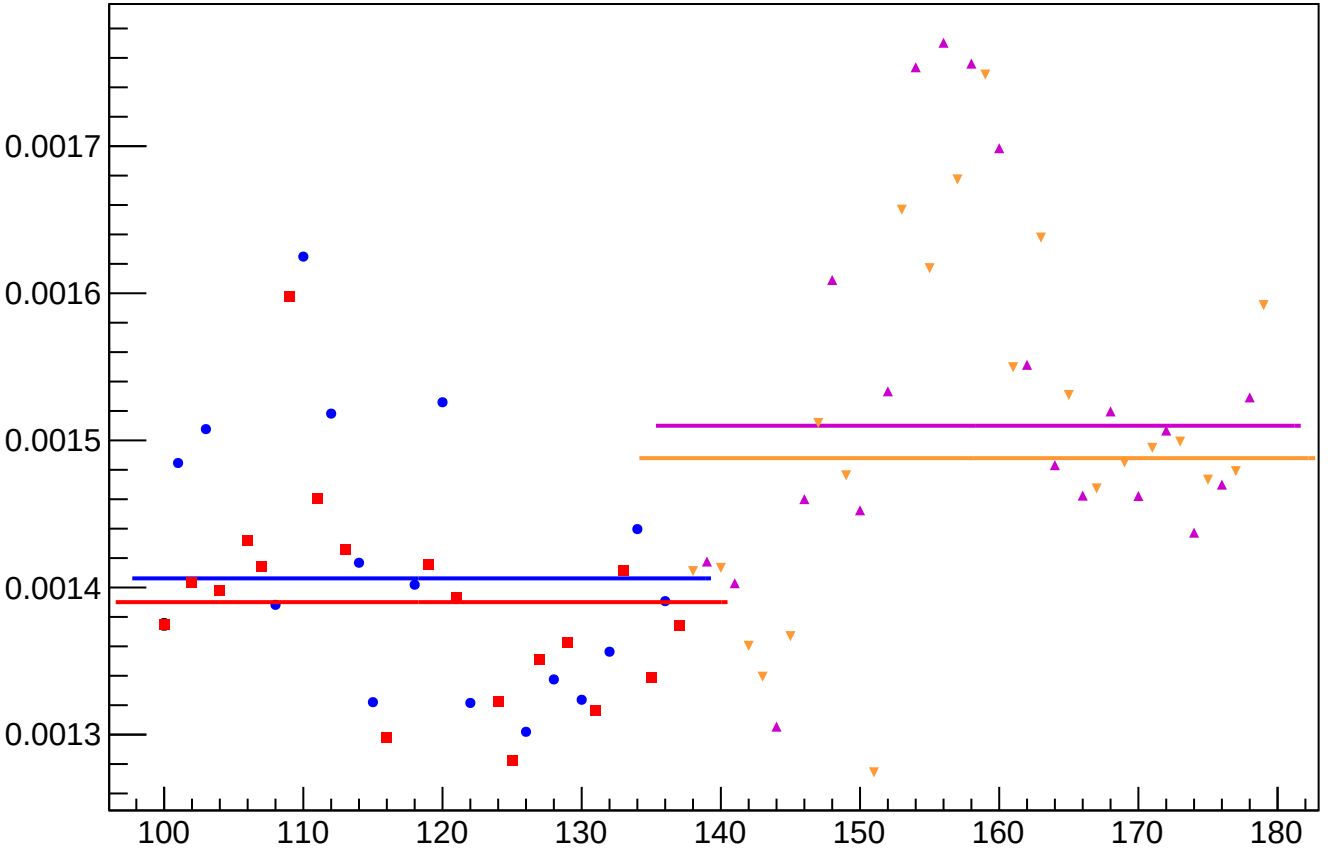
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.347+/-0.000 χ^2/NDF:248874949176.1/35

Out: 0.350+/-0.000 χ^2/NDF:291246599844.2/40

All: 0.349+/-0.000 χ^2/NDF: 540187009438.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:208297.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204781.4/19

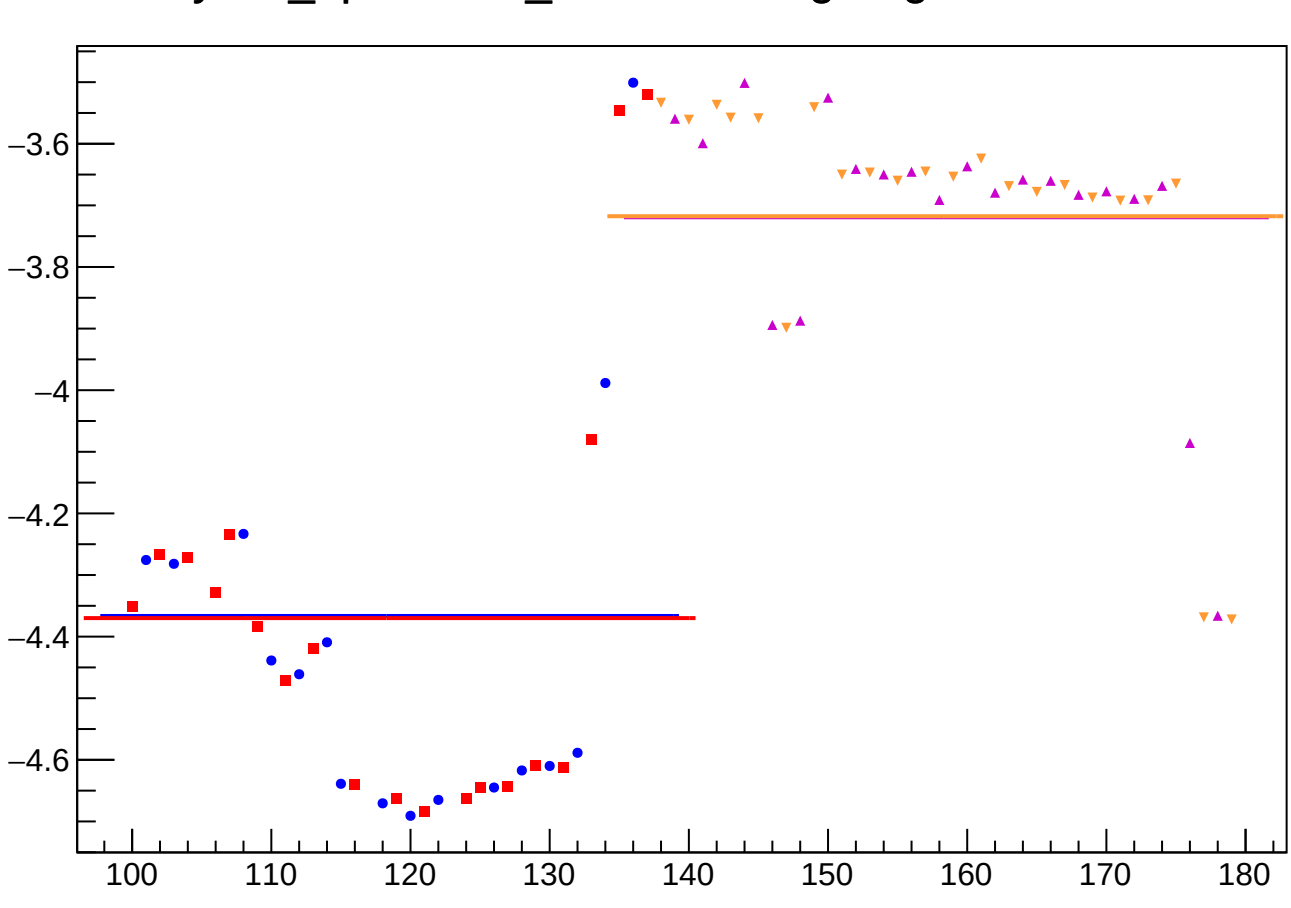
Left: 0.001+/-0.000 χ^2/NDF: 416651.7/41

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:303339.6/35

Out: 0.001+/-0.000 χ^2/NDF:291942.5/40

All: 0.001+/-0.000 χ^2/NDF: 599486.0/76



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.718+/-0.000 χ^2/NDF:305223469627.7/21

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.719+/-0.000 χ^2/NDF:207626035223.9/19

Left: -3.718+/-0.000 χ^2/NDF: 512857378297.9/41

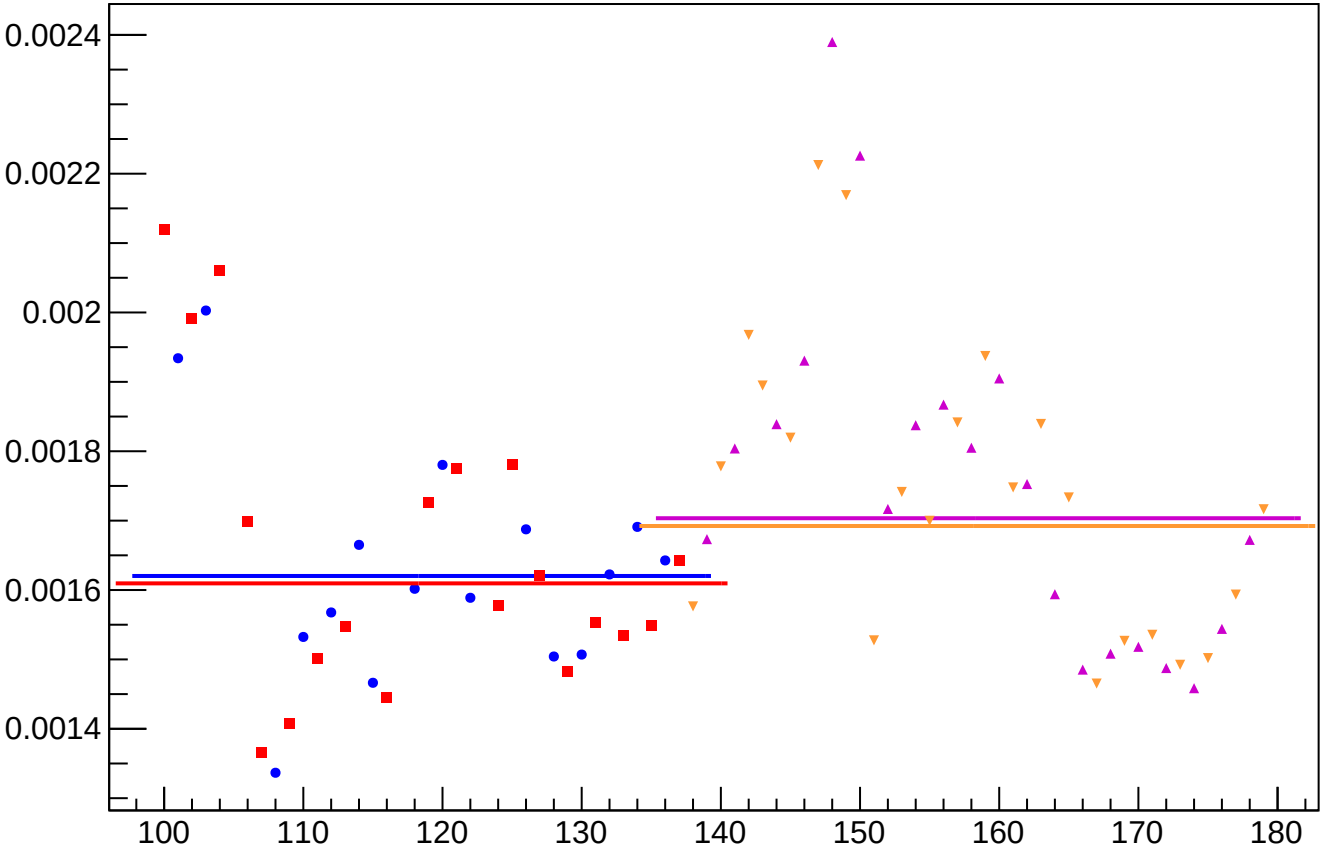
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.931+/-0.000 χ^2/NDF:1299316449159.2/35

Out: -3.926+/-0.000 χ^2/NDF:1397371606822.2/40

All: -3.928+/-0.000 χ^2/NDF: 2696784163379

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:424512.0/21

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:492017.8/19

Left: 0.002+/-0.000 χ^2/NDF: 917235.4/41

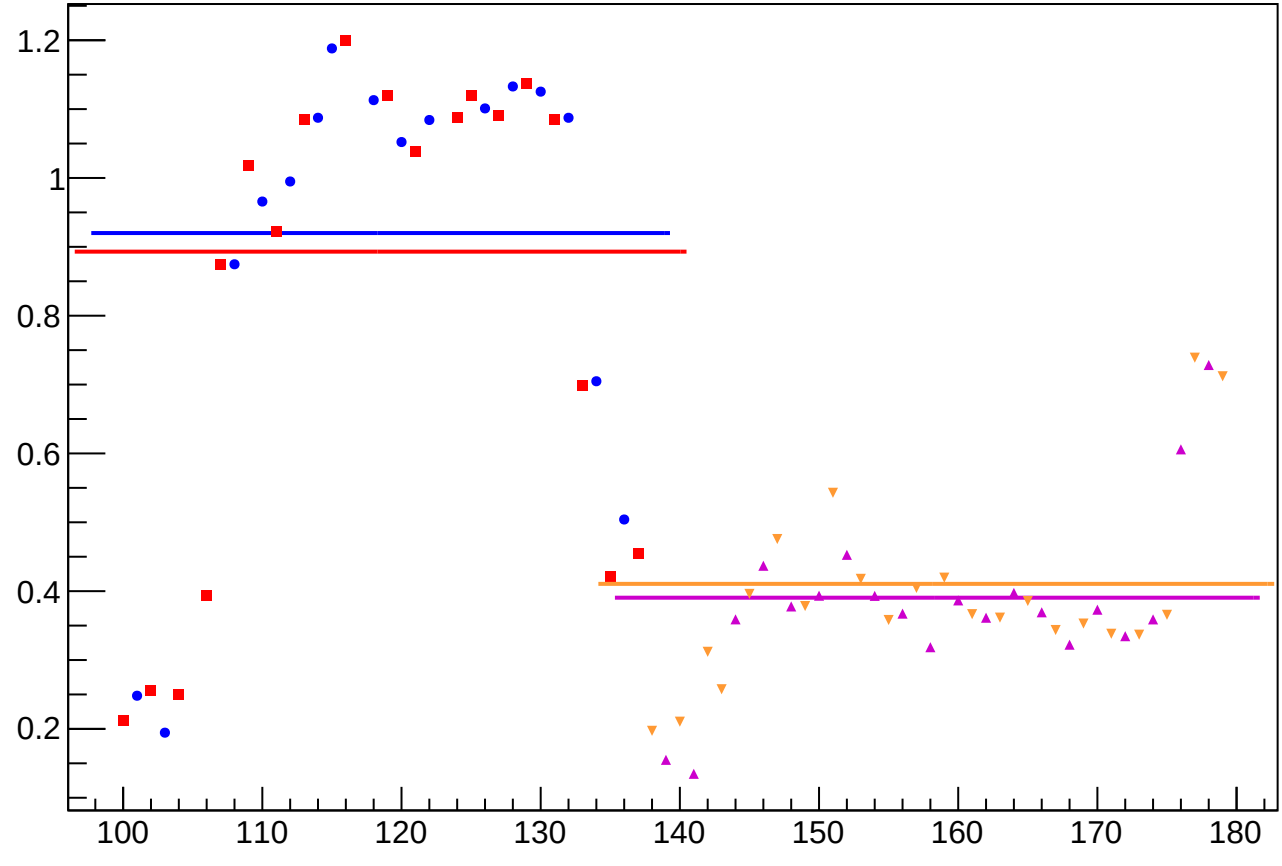
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:656659.8/35

Out: 0.002+/-0.000 χ^2/NDF:635056.8/40

All: 0.002+/-0.000 χ^2/NDF: 1292617.8/76

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.411+/-0.000 χ^2/NDF:6249900102.3/21

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.391+/-0.000 χ^2/NDF:4921038610.0/19

Left: 0.401+/-0.000 χ^2/NDF: 11238446429.7/41

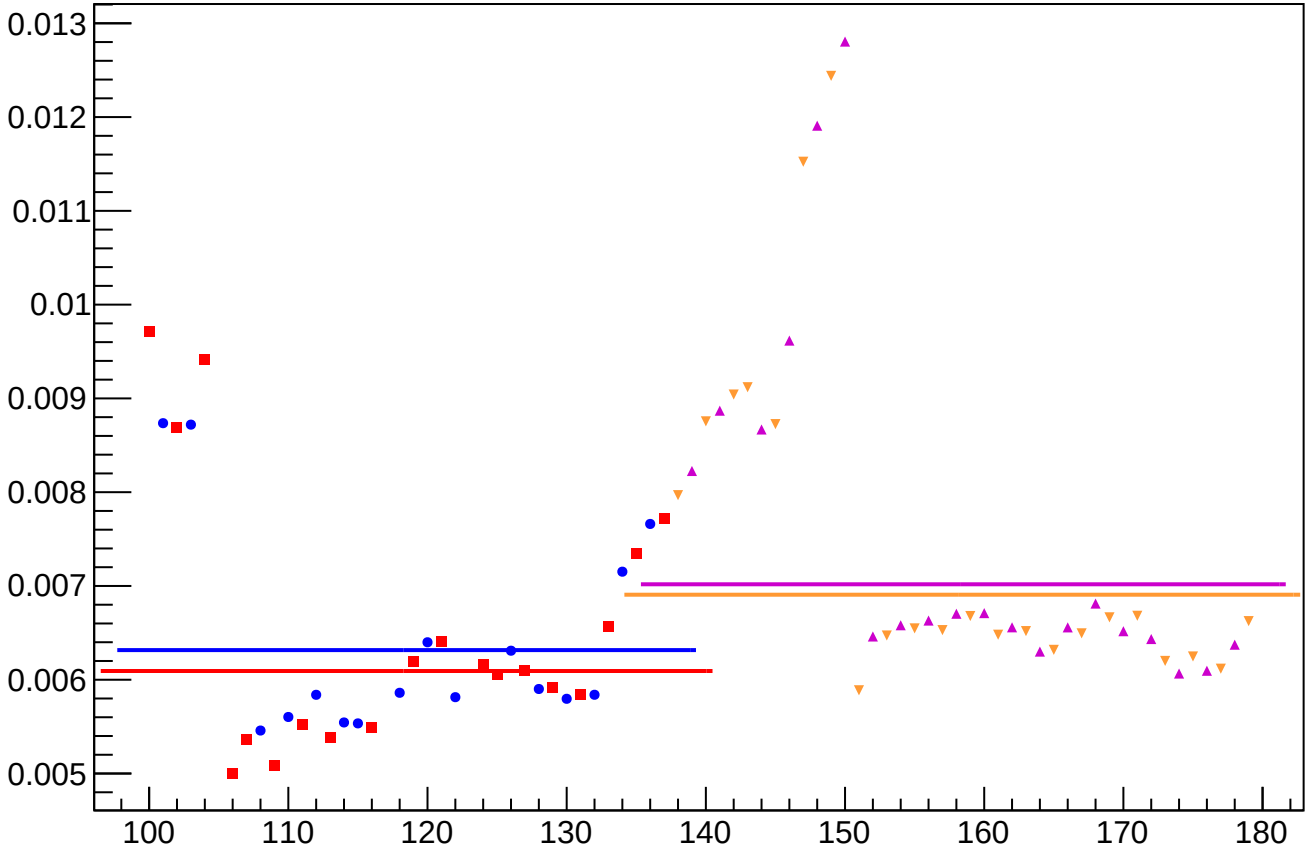
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.579+/-0.000 χ^2/NDF:51243215252.7/35

Out: 0.583+/-0.000 χ^2/NDF:53149469629.0/40

All: 0.581+/-0.000 χ^2/NDF: 104396440575.7

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1080034.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1127513.4/19

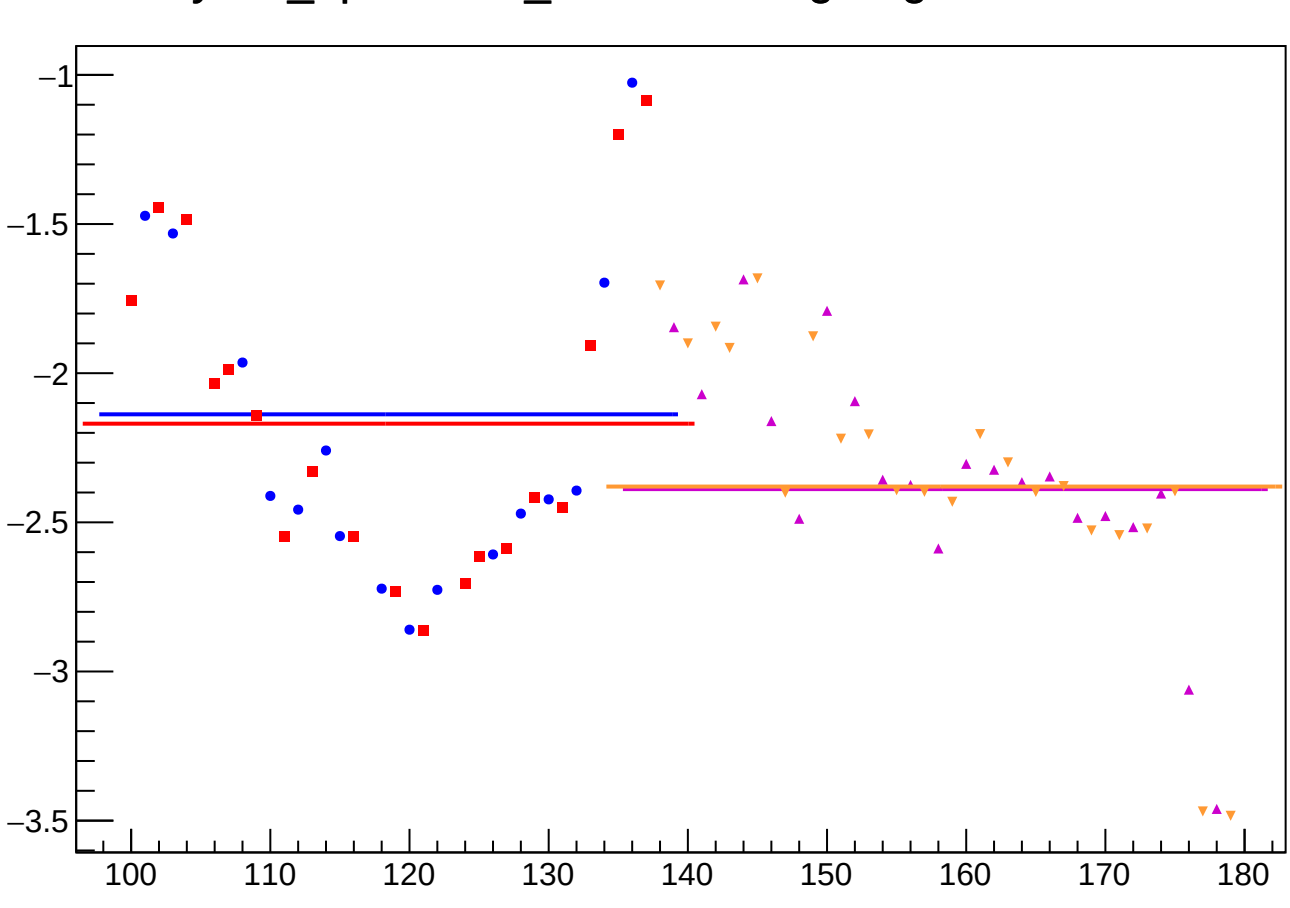
Left: 0.007+/-0.000 χ^2/NDF: 2211681.1/41

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1574790.0/35

Out: 0.007+/-0.000 χ^2/NDF:1682374.8/40

All: 0.007+/-0.000 χ^2/NDF: 3269117.2/76



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.380+/-0.000 χ^2/NDF:77255668671.2/21

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.389+/-0.000 χ^2/NDF:52939427082.7/19

Left: -2.384+/-0.000 χ^2/NDF: 130209673926.5/41

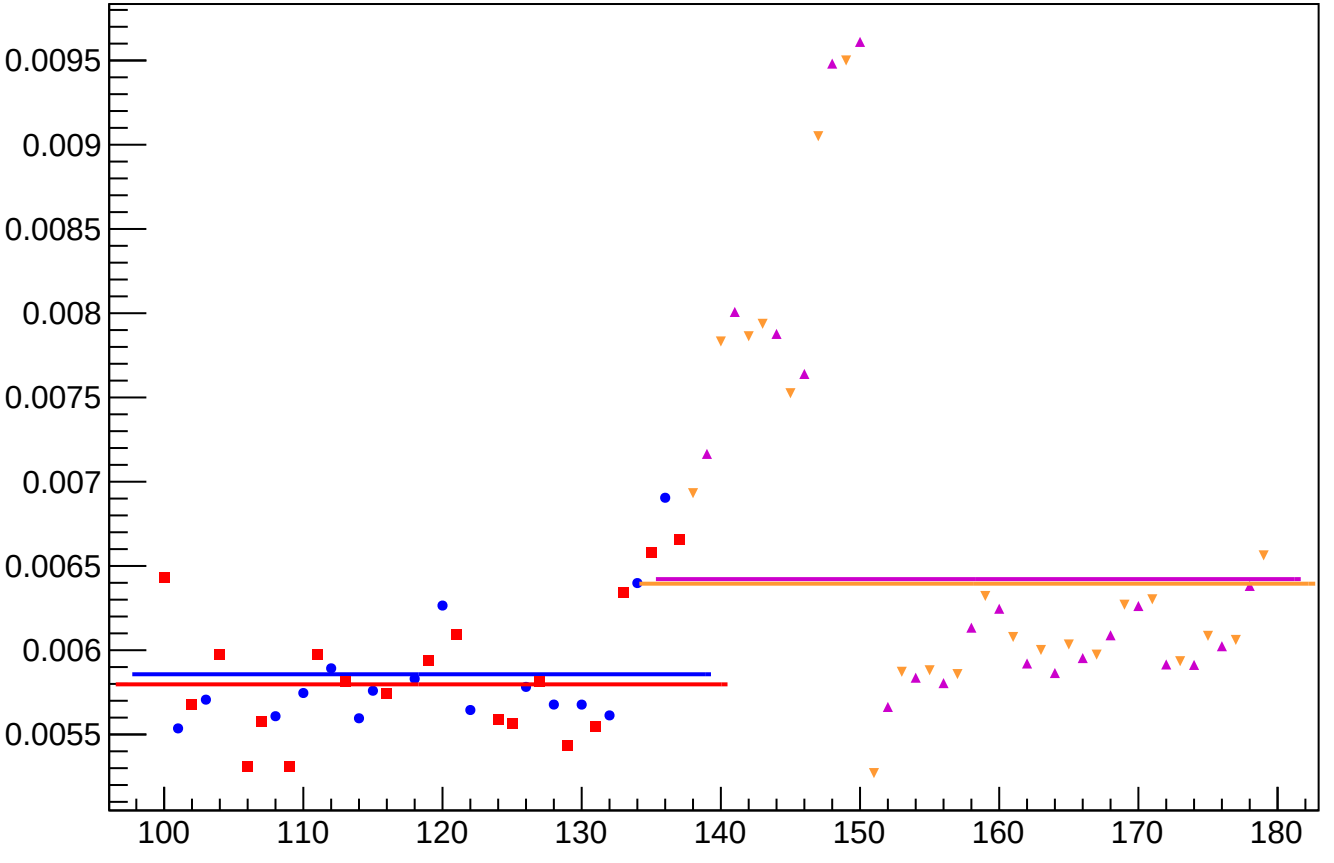
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.300+/-0.000 χ^2/NDF:127148400304.4/35

Out: -2.307+/-0.000 χ^2/NDF:141101213009.5/40

All: -2.304+/-0.000 χ^2/NDF: 268262499471.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:674950.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:702707.8/19

Left: 0.006+/-0.000 χ^2/NDF: 1377954.0/41

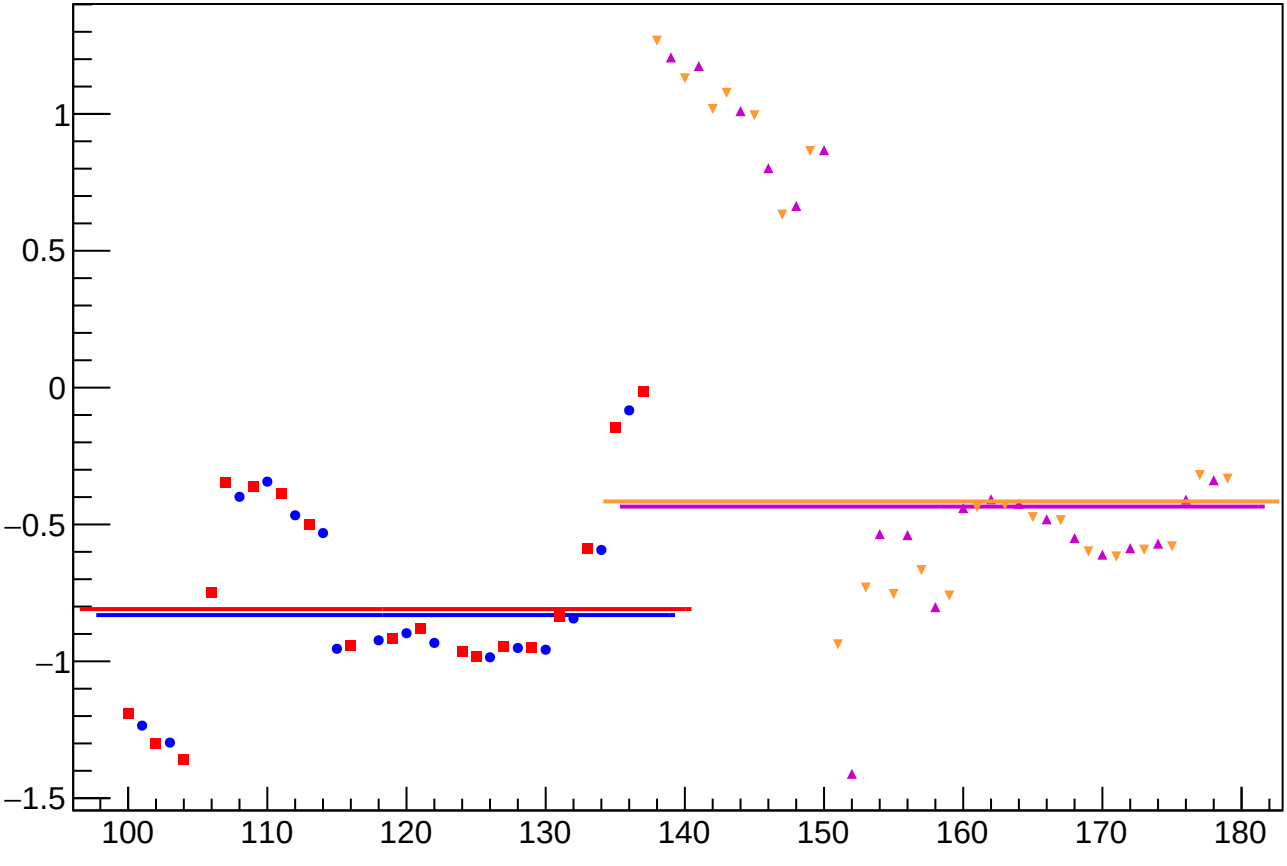
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:851327.5/35

Out: 0.006+/-0.000 χ^2/NDF:834706.9/40

All: 0.006+/-0.000 χ^2/NDF: 1686831.4/76

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.416+/-0.000 χ^2/NDF:81332254070.4/21

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.435+/-0.000 χ^2/NDF:89808386377.3/19

Left: -0.425+/-0.000 χ^2/NDF: 171195260918.0/41

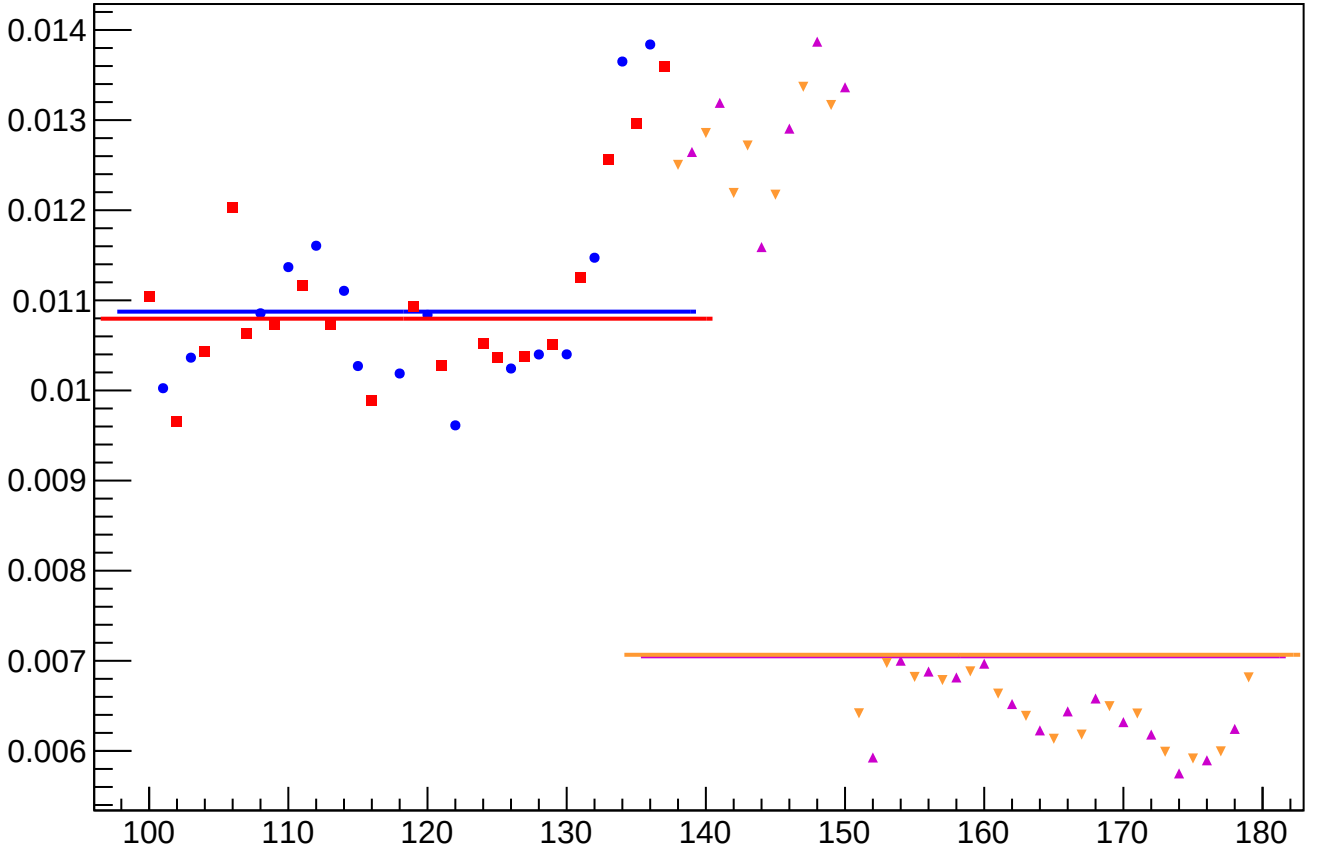
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.501+/-0.000 χ^2/NDF:104715059788.5/35

Out: -0.480+/-0.000 χ^2/NDF:97505233019.7/40

All: -0.490+/-0.000 χ^2/NDF: 202299310888.

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2381789.8/21

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2443711.8/19

Left: 0.007+/-0.000 χ^2/NDF: 4825591.8/41

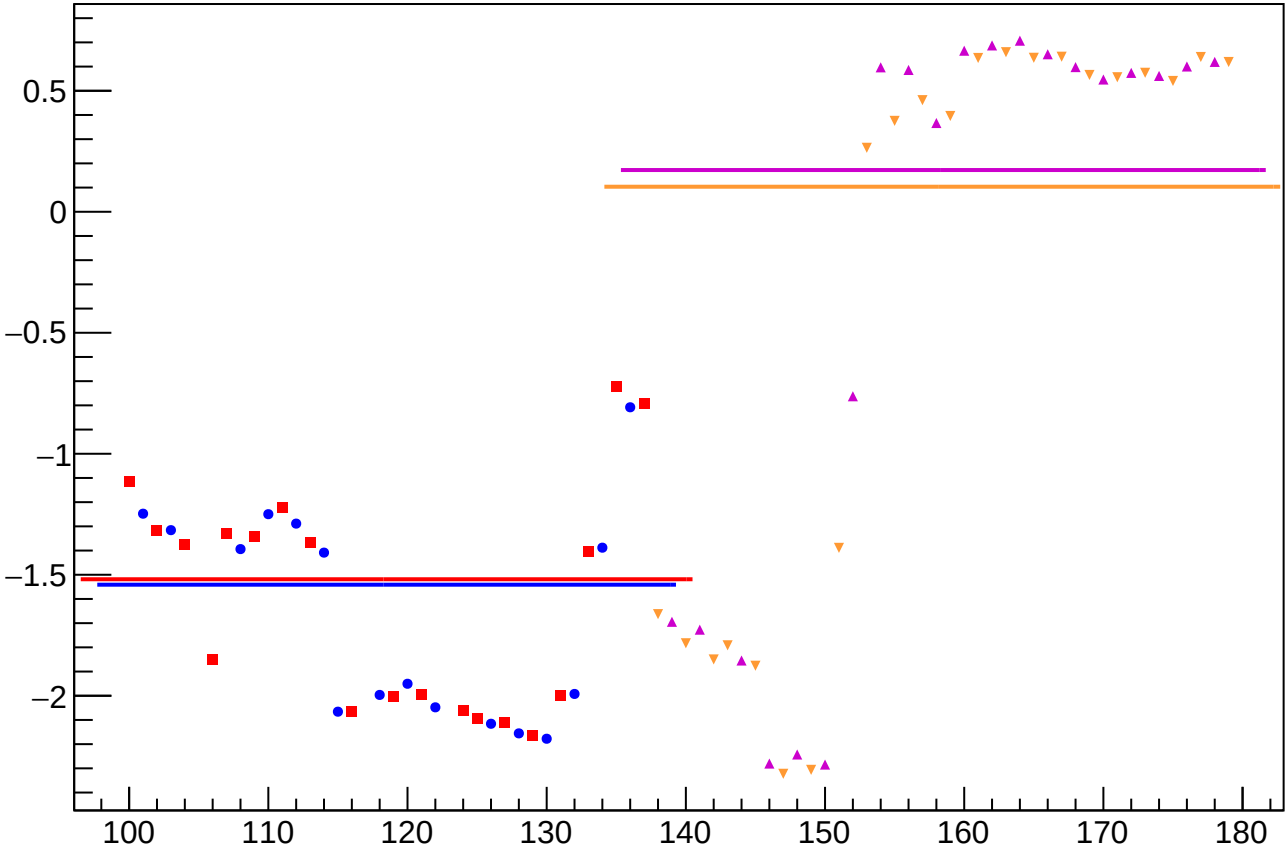
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:4052514.7/35

Out: 0.008+/-0.000 χ^2/NDF:3924707.4/40

All: 0.008+/-0.000 χ^2/NDF: 7977270.8/76

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.104+/-0.000 χ^2/NDF:2332830238247.9/21

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.173+/-0.000 χ^2/NDF:2071106756801.6/19

Left: 0.137+/-0.000 χ^2/NDF: 4410025259185.9/41

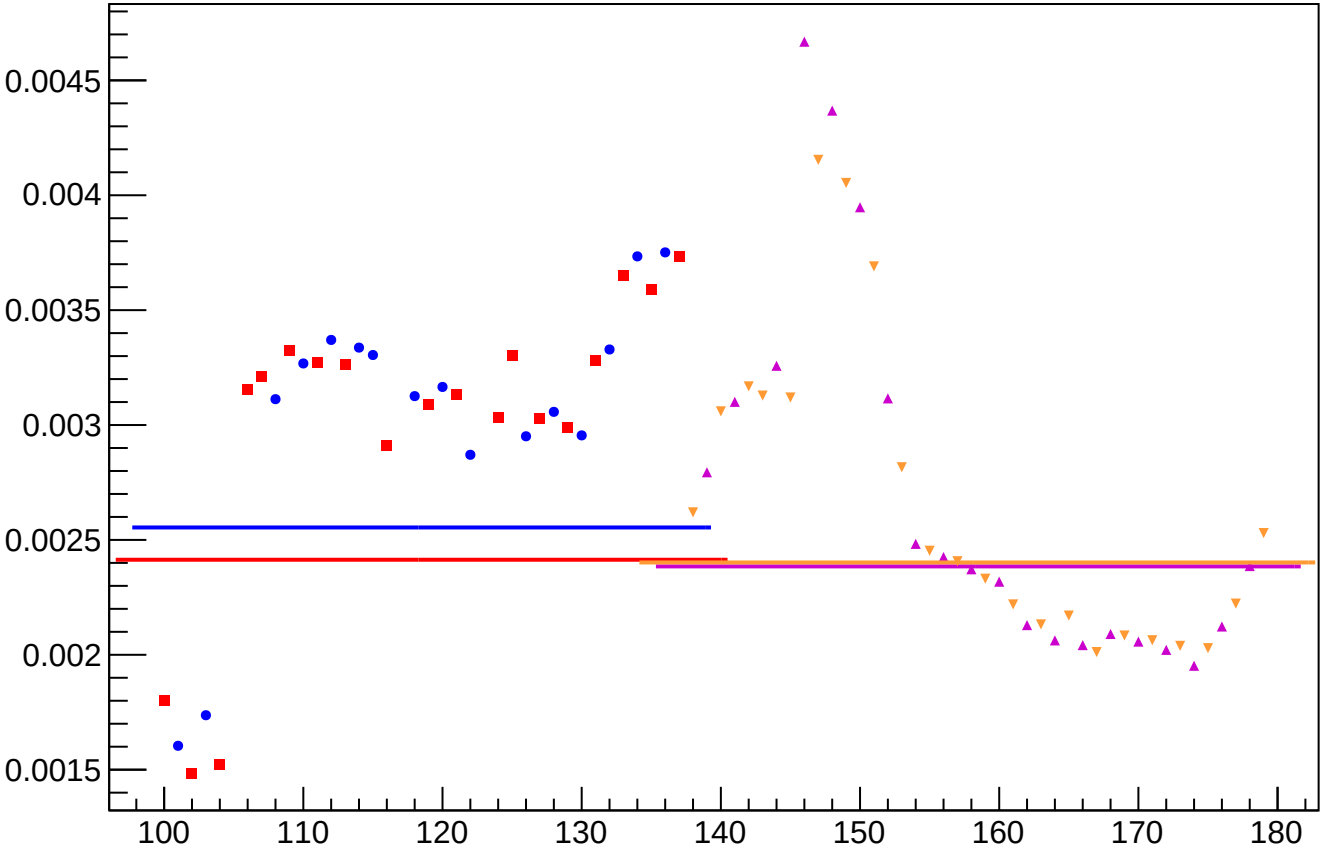
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.294+/-0.000 χ^2/NDF:4217159116295.5/35

Out: -0.347+/-0.000 χ^2/NDF:4411395379391.0/40

All: -0.322+/-0.000 χ^2/NDF: 863358744235

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1209768.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399533.1/19

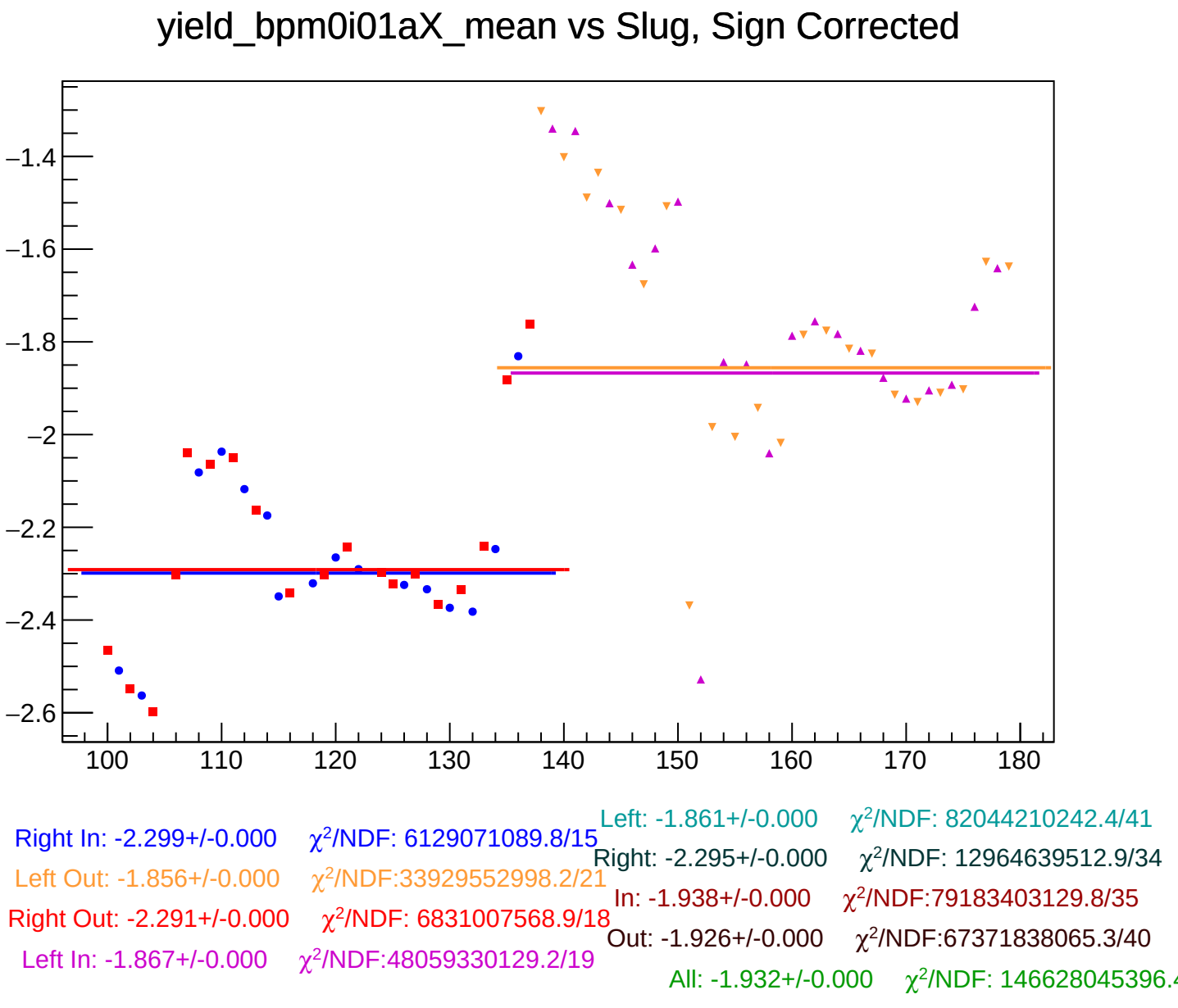
Left: 0.002+/-0.000 χ^2/NDF: 2610060.9/41

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

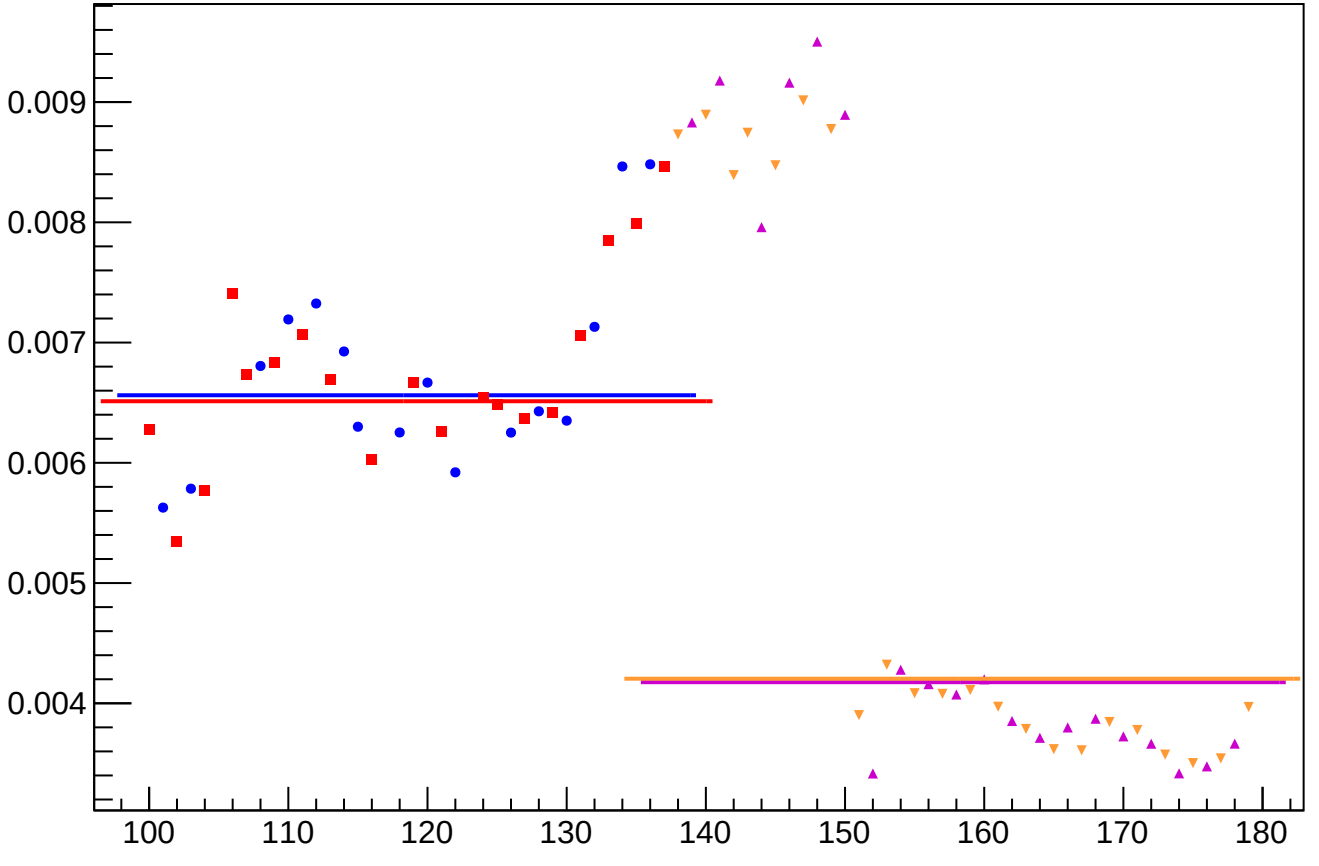
In: 0.002+/-0.000 χ^2/NDF:2610768.9/35

Out: 0.002+/-0.000 χ^2/NDF:2756803.3/40

All: 0.002+/-0.000 χ^2/NDF: 5369904.5/76


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
180
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.856+/-0.000 χ²/NDF:33929552998.2/21
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.867+/-0.000 χ²/NDF:48059330129.2/19
Left: -1.861+/-0.000 χ²/NDF: 82044210242.4/41
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.938+/-0.000 χ²/NDF:79183403129.8/35
Out: -1.926+/-0.000 χ²/NDF:67371838065.3/40
All: -1.932+/-0.000 χ²/NDF: 146628045396.4

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3088899.1/21

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3174500.3/19

Left: 0.004+/-0.000 χ^2/NDF: 6264114.4/41

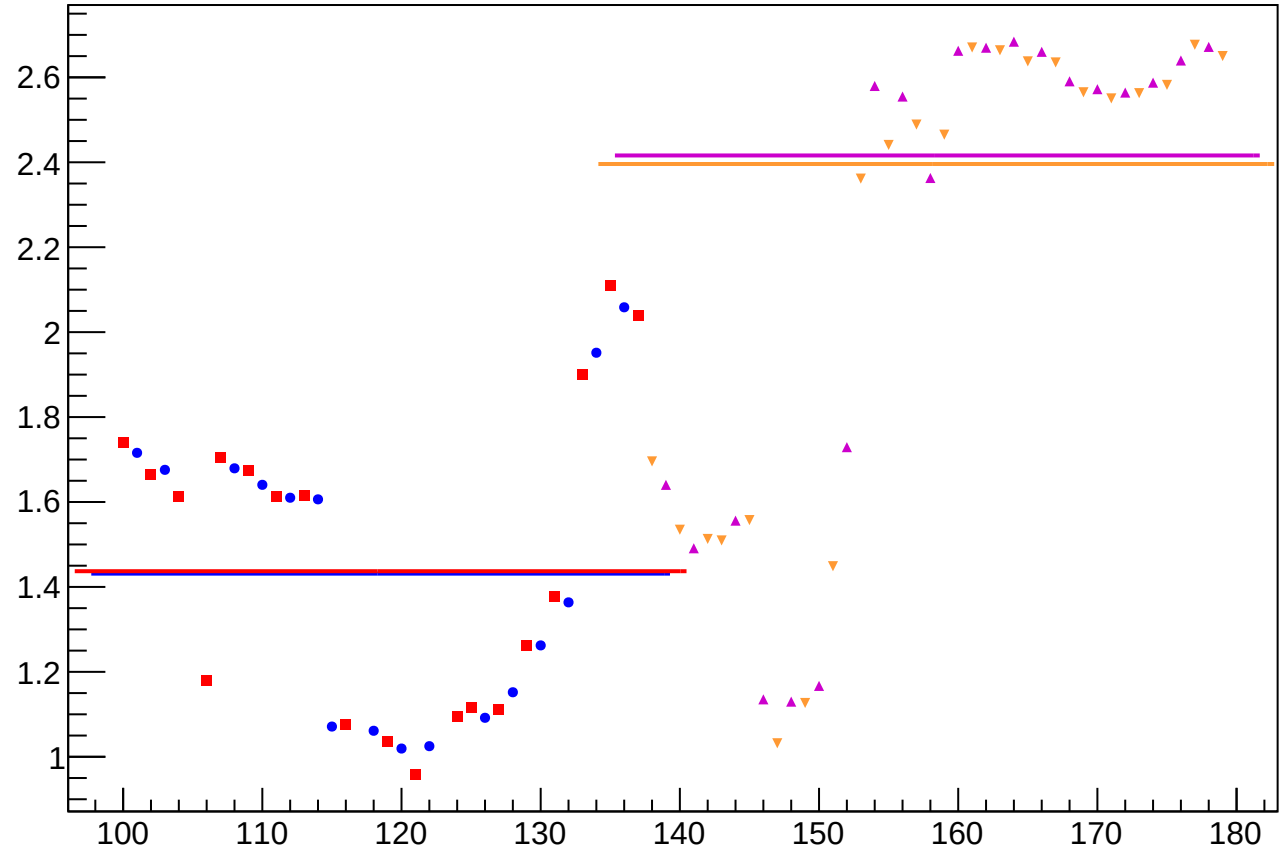
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4925342.8/35

Out: 0.005+/-0.000 χ^2/NDF:4767791.3/40

All: 0.005+/-0.000 χ^2/NDF: 9693227.9/76

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.396+/-0.000 χ^2/NDF:236314576335.0/21

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.416+/-0.000 χ^2/NDF:223684772361.3/19

Left: 2.406+/-0.000 χ^2/NDF: 460277359980.6/41

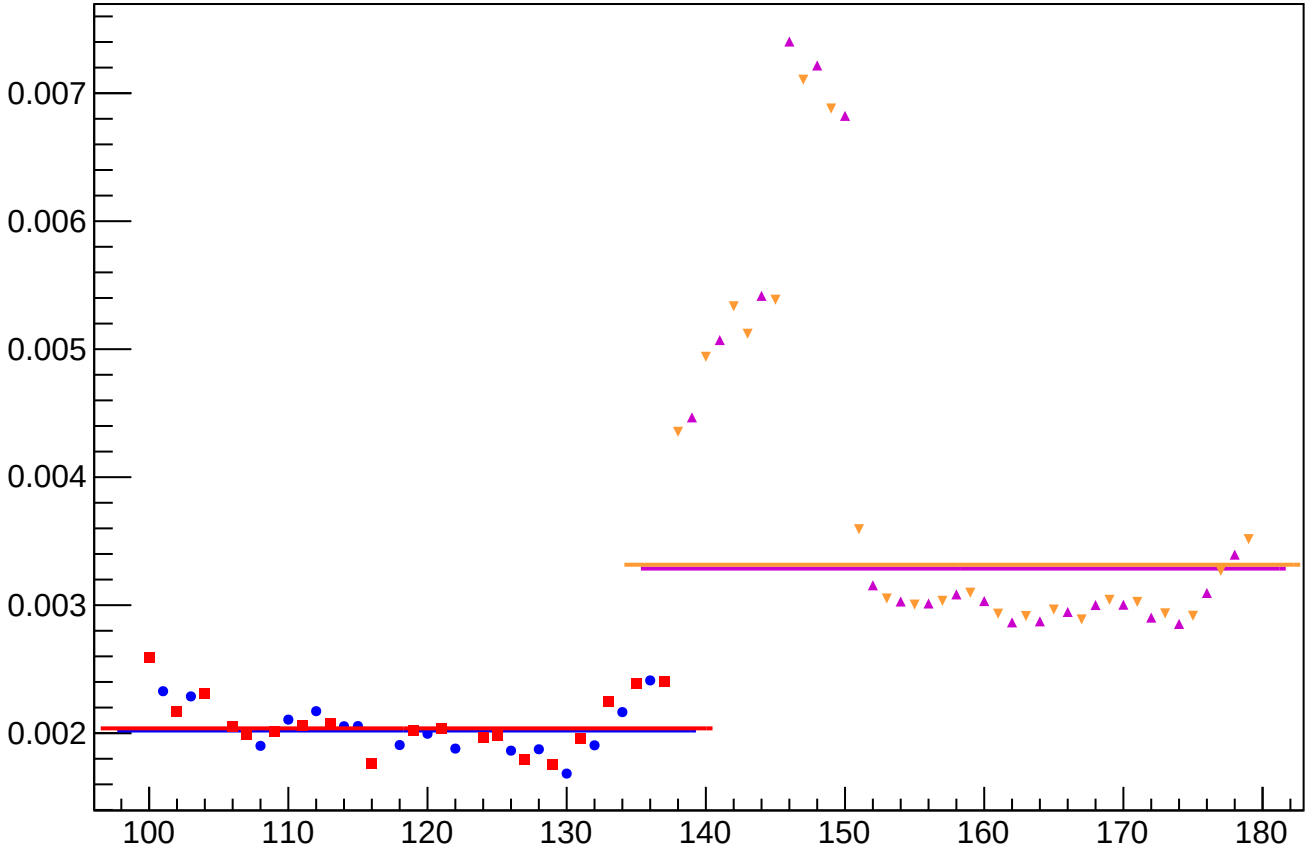
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.875+/-0.000 χ^2/NDF:1123123404884.0/35

Out: 1.883+/-0.000 χ^2/NDF:1116183299693.0/40

All: 1.879+/-0.000 χ^2/NDF: 2239405629194.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1773030.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2019482.8/19

Left: 0.003+/-0.000 χ^2/NDF: 3793774.9/41

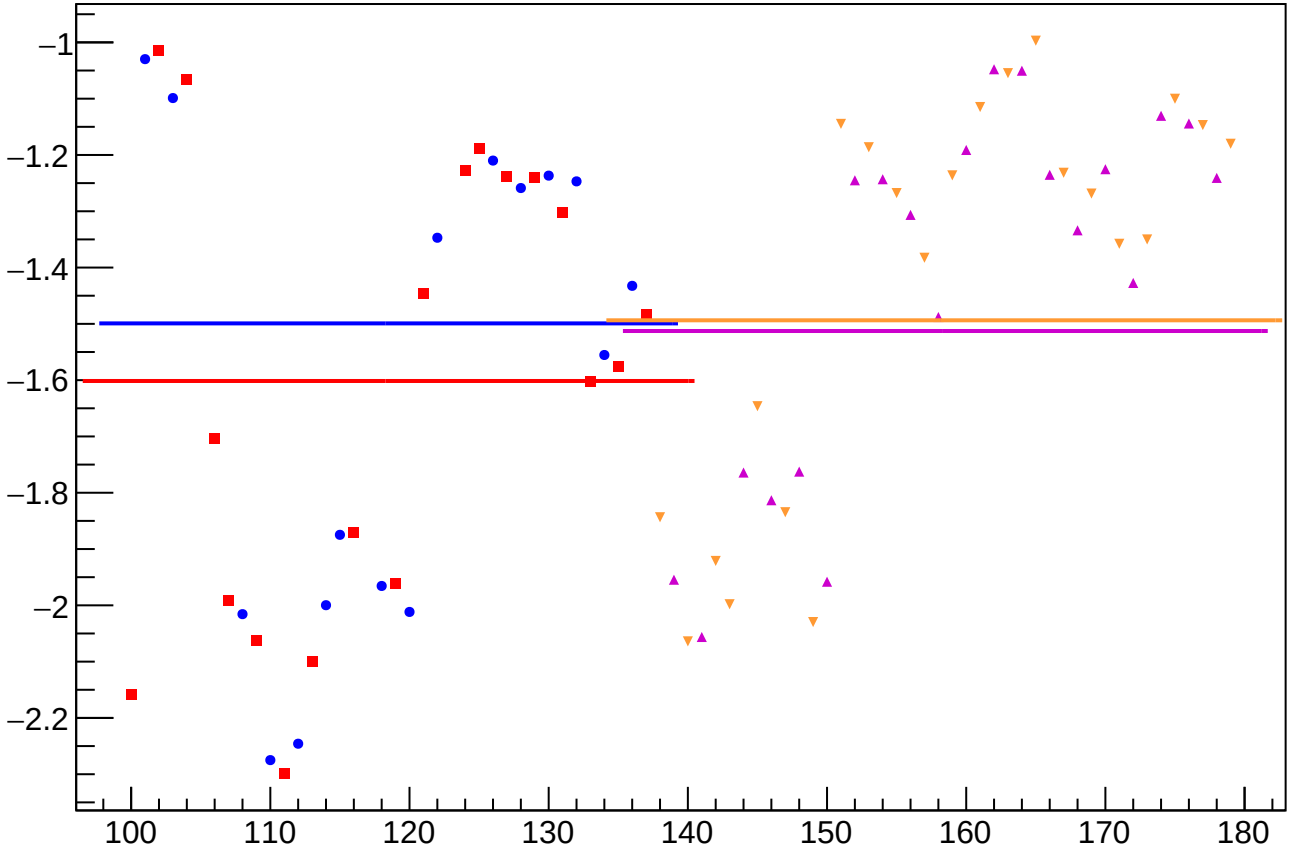
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4519383.9/35

Out: 0.003+/-0.000 χ^2/NDF:4368097.8/40

All: 0.003+/-0.000 χ^2/NDF: 8892694.7/76

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.494+/-0.000 χ^2/NDF:47948048178.4/21

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.513+/-0.000 χ^2/NDF:37009998321.2/19

Left: -1.503+/-0.000 χ^2/NDF: 85018865205.0/41

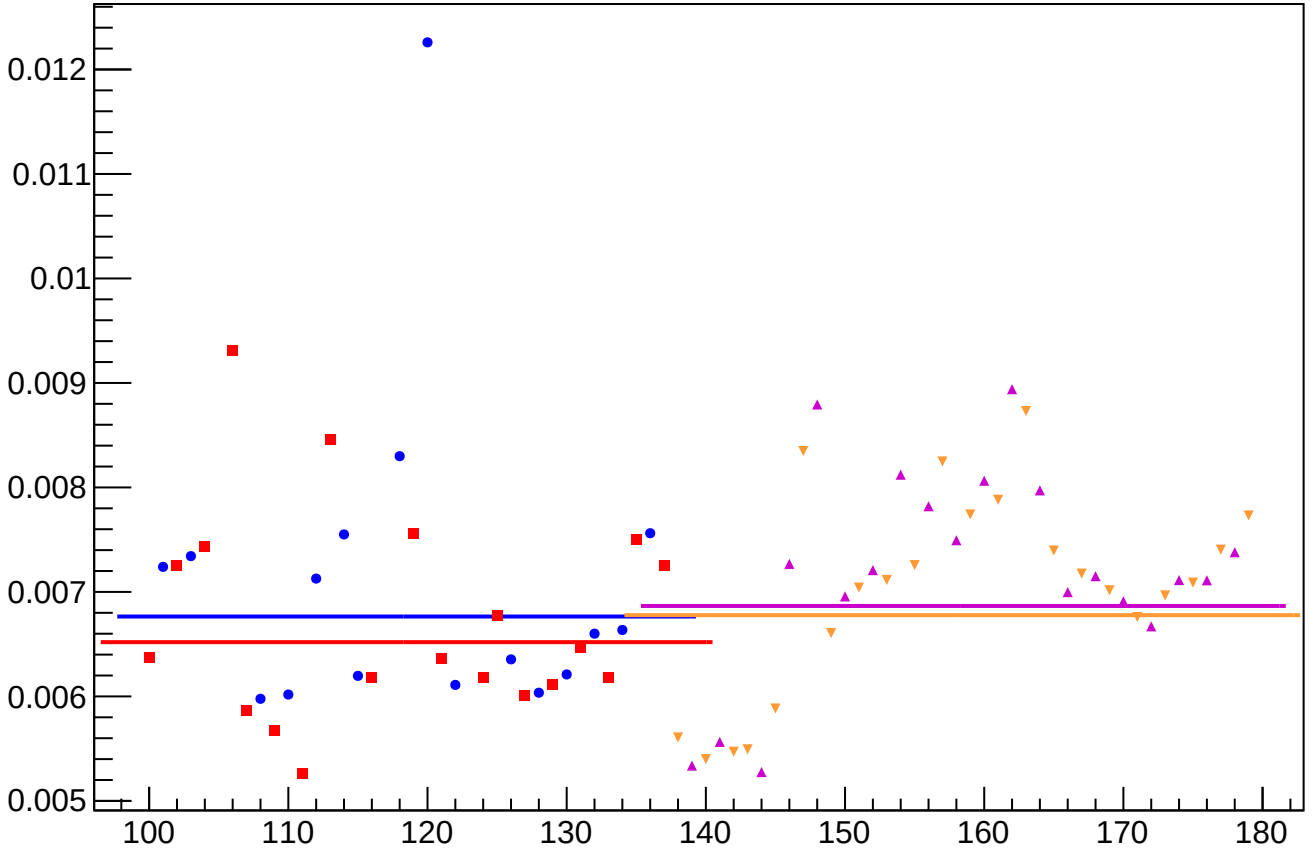
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.509+/-0.000 χ^2/NDF:59958347854.3/35

Out: -1.528+/-0.000 χ^2/NDF:77566787685.2/40

All: -1.519+/-0.000 χ^2/NDF: 137612862829.4

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:644469.2/21

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:692208.7/19

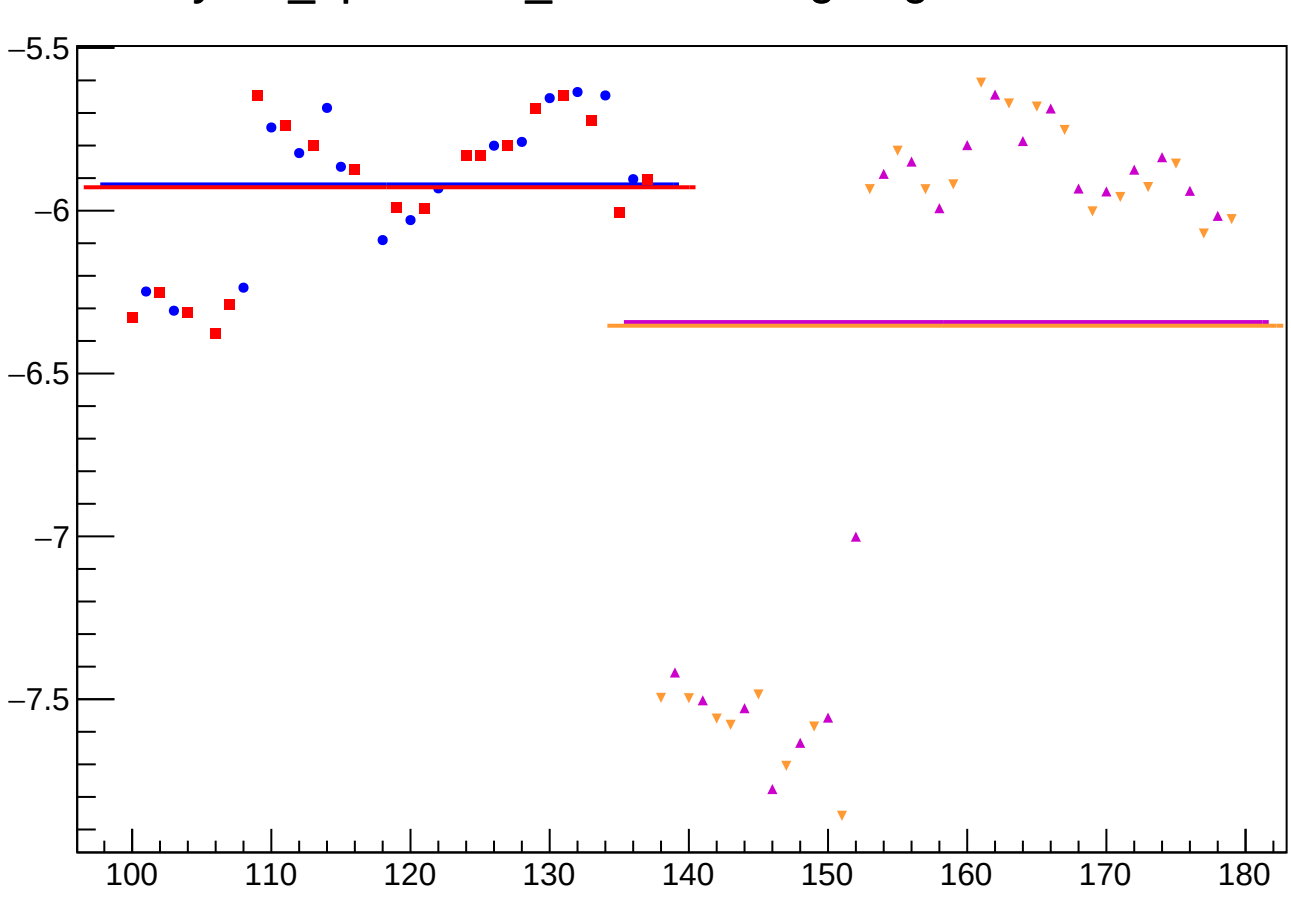
Left: 0.007+/-0.000 χ^2/NDF: 1339289.9/41

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:932783.5/35

Out: 0.007+/-0.000 χ^2/NDF:904756.8/40

All: 0.007+/-0.000 χ^2/NDF: 1846849.0/76



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.353+/-0.000 χ^2/NDF:108876056255.9/21

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.342+/-0.000 χ^2/NDF:90093453455.0/19

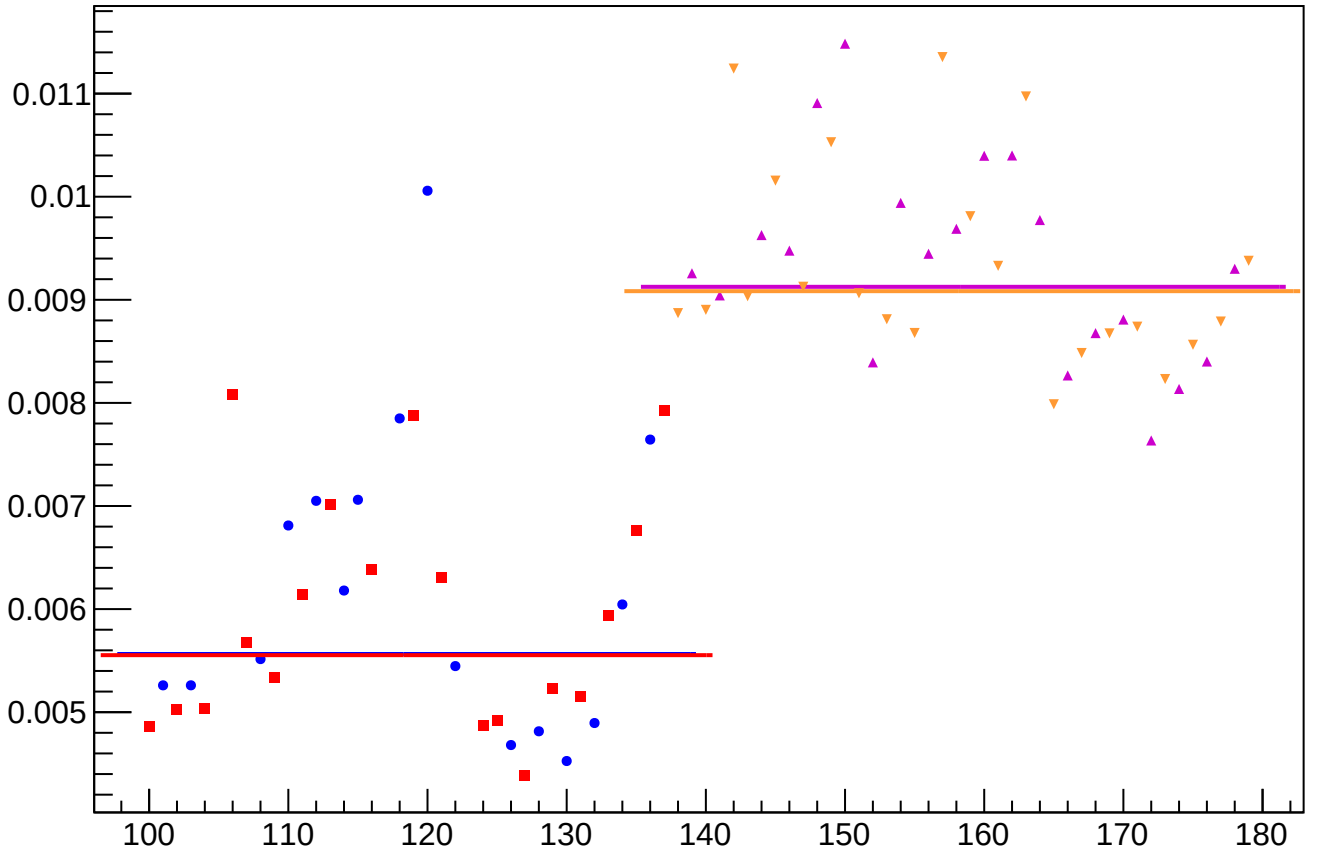
Left: -6.348+/-0.000 χ^2/NDF: 198980173054.1/41

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.110+/-0.000 χ^2/NDF:117836651026.2/35

Out: -6.122+/-0.000 χ^2/NDF:138875834536.4/40

All: -6.116+/-0.000 χ^2/NDF: 256737130322.0



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:229650.4/21

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:284258.9/19

Left: 0.009+/-0.000 χ^2/NDF: 514211.5/41

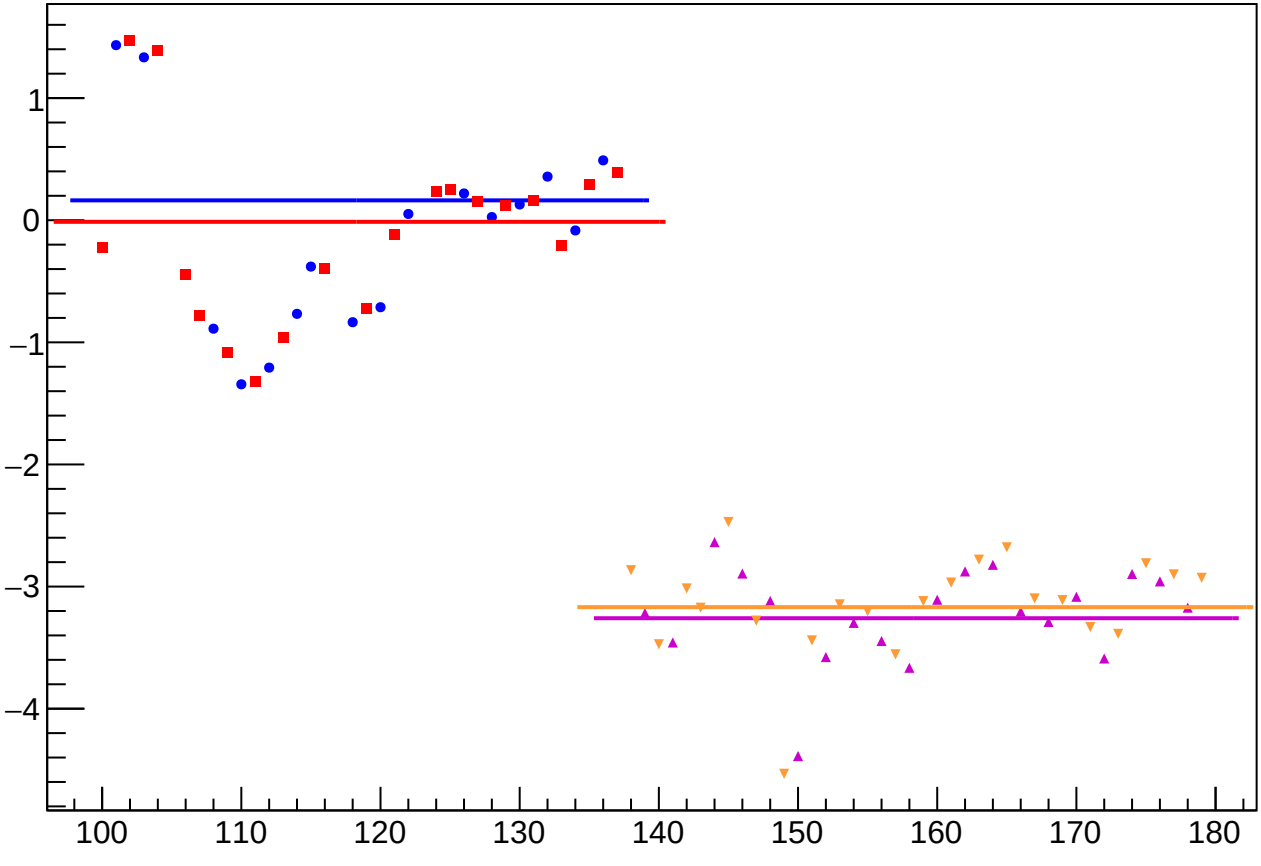
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:3052648.2/35

Out: 0.007+/-0.000 χ^2/NDF:2988789.0/40

All: 0.007+/-0.000 χ^2/NDF: 6041487.5/76

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.169+/-0.000 χ^2/NDF:9078247265.2/21

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.259+/-0.000 χ^2/NDF:7441288620.4/19

Left: -3.212+/-0.000 χ^2/NDF: 16741149900.6/41

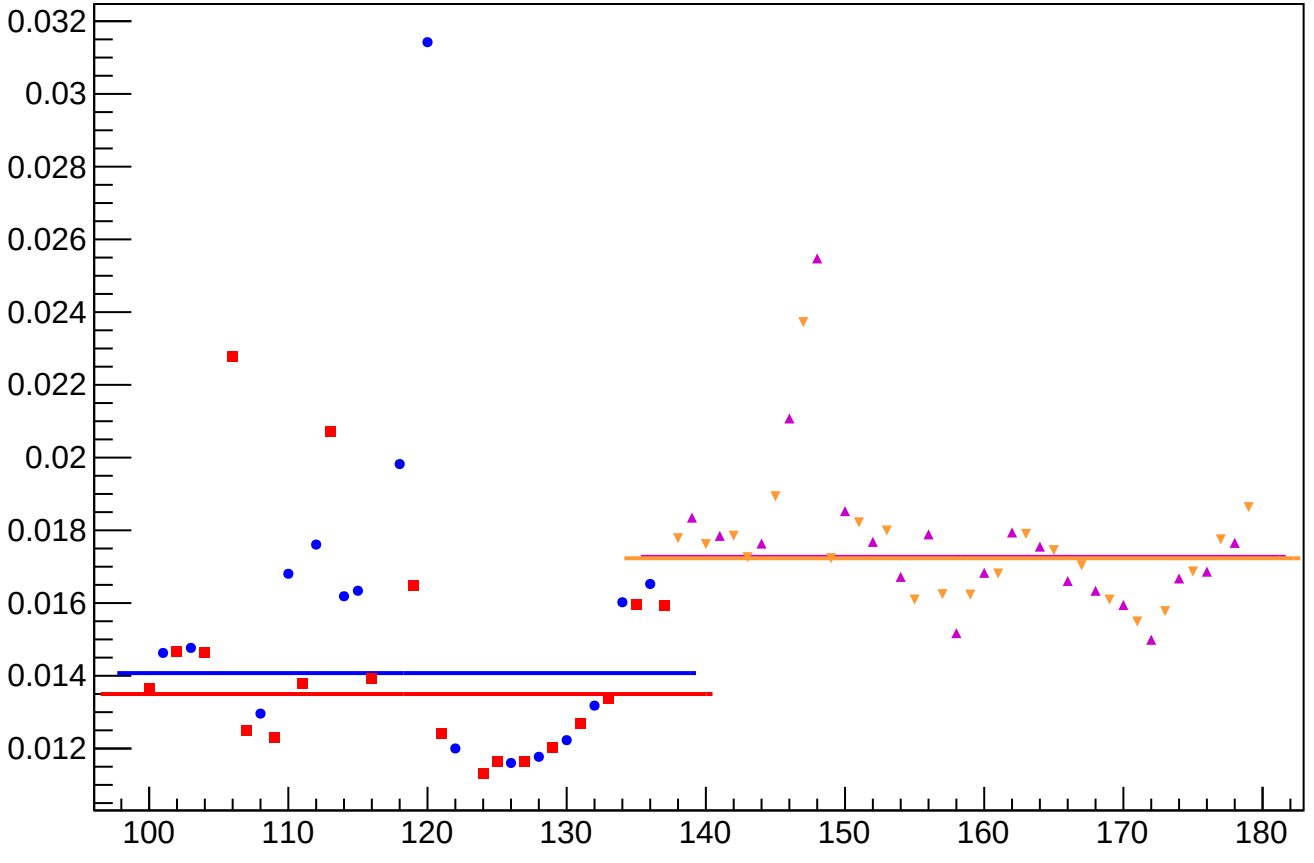
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.962+/-0.000 χ^2/NDF:256870266418.1/35

Out: -1.913+/-0.000 χ^2/NDF:254555753819.0/40

All: -1.937+/-0.000 χ^2/NDF: 511531848737.0

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:211332.3/21

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:323724.2/19

Left: 0.017+/-0.000 χ^2/NDF: 535143.6/41

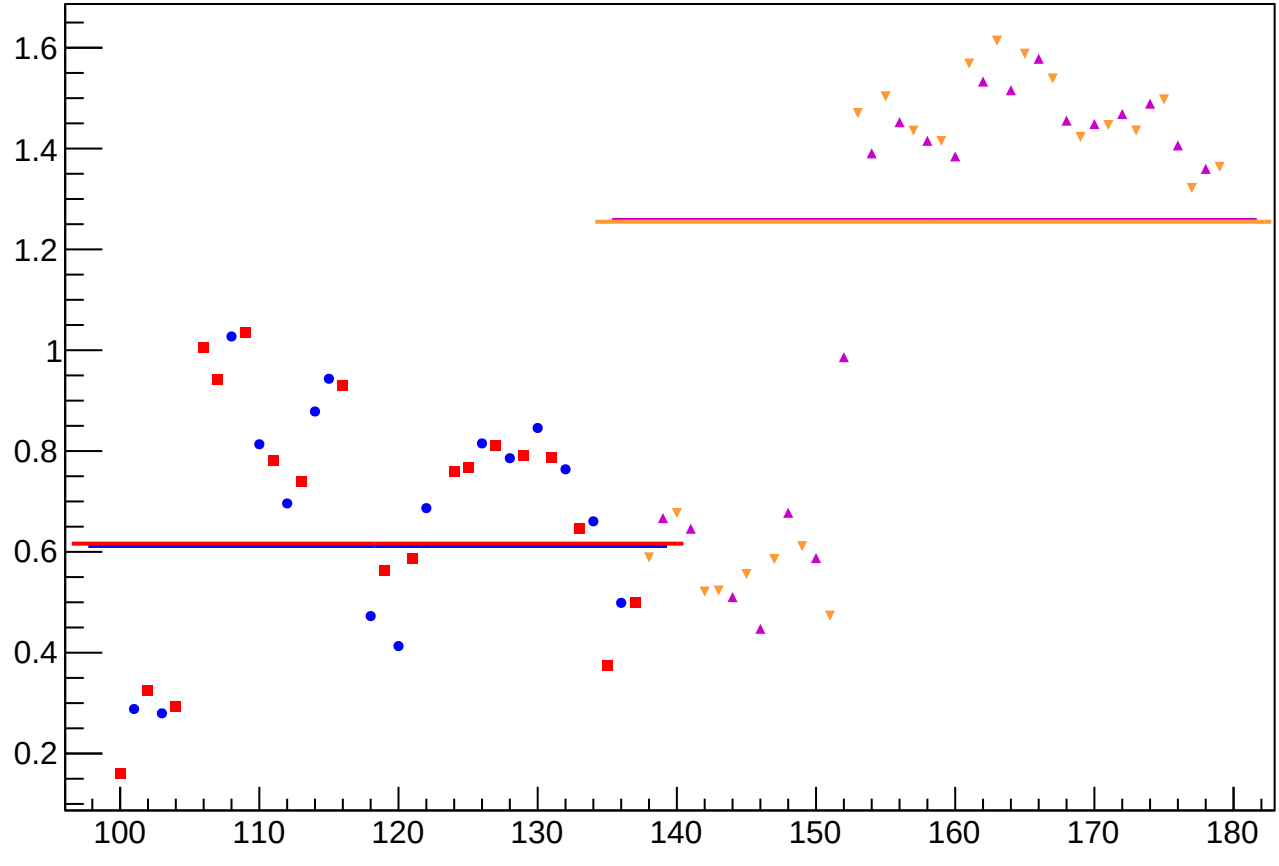
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1193223.6/35

Out: 0.016+/-0.000 χ^2/NDF:1150044.8/40

All: 0.016+/-0.000 χ^2/NDF: 2351950.6/76

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.255+/-0.000 χ^2/NDF:45230445907.4/21

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.259+/-0.000 χ^2/NDF:37361309402.9/19

Left: 1.257+/-0.000 χ^2/NDF: 82593840228.6/41

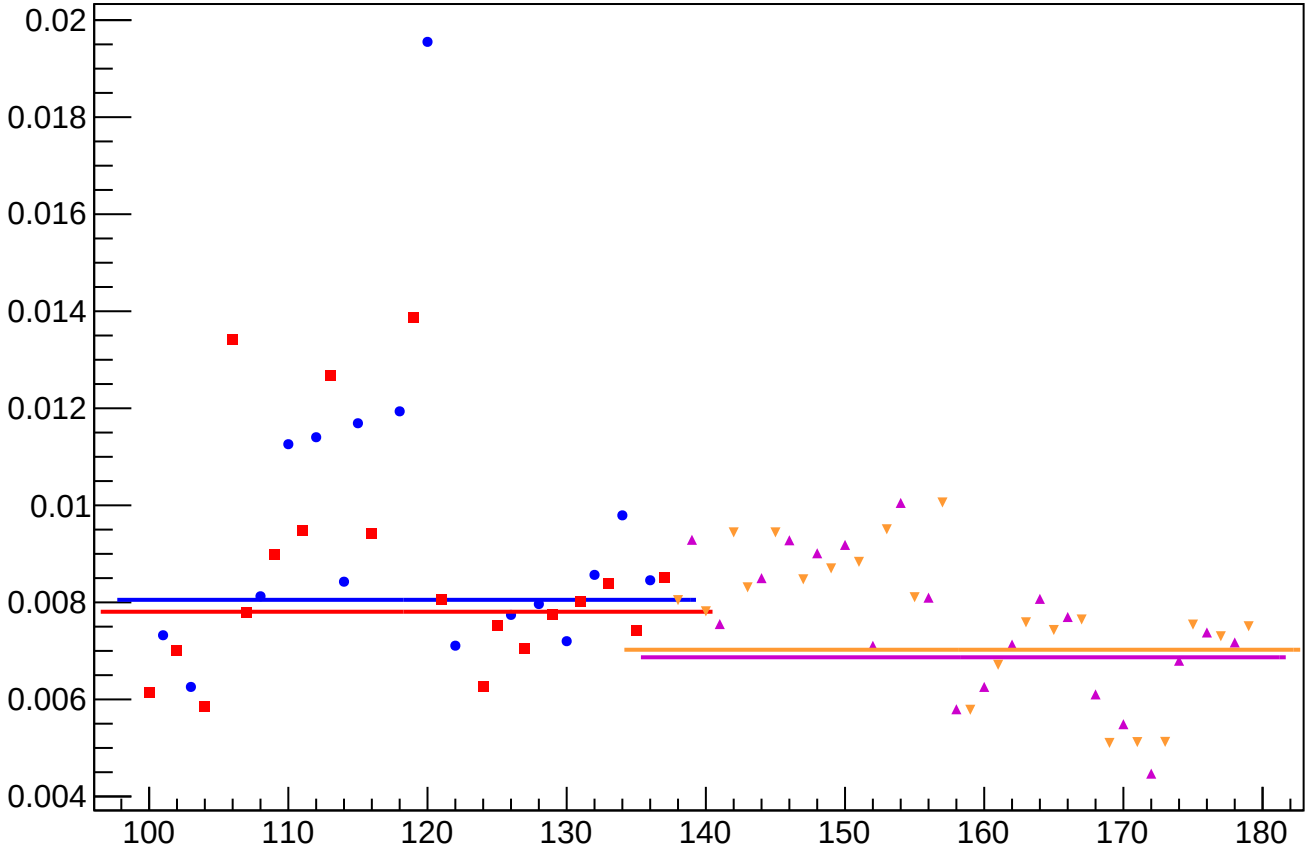
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.105+/-0.000 χ^2/NDF:73169651189.3/35

Out: 1.093+/-0.000 χ^2/NDF:83668702962.1/40

All: 1.099+/-0.000 χ^2/NDF: 156870357118.2

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1407458.2/21

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1372900.8/19

Left: 0.007+/-0.000 χ^2/NDF: 2787800.1/41

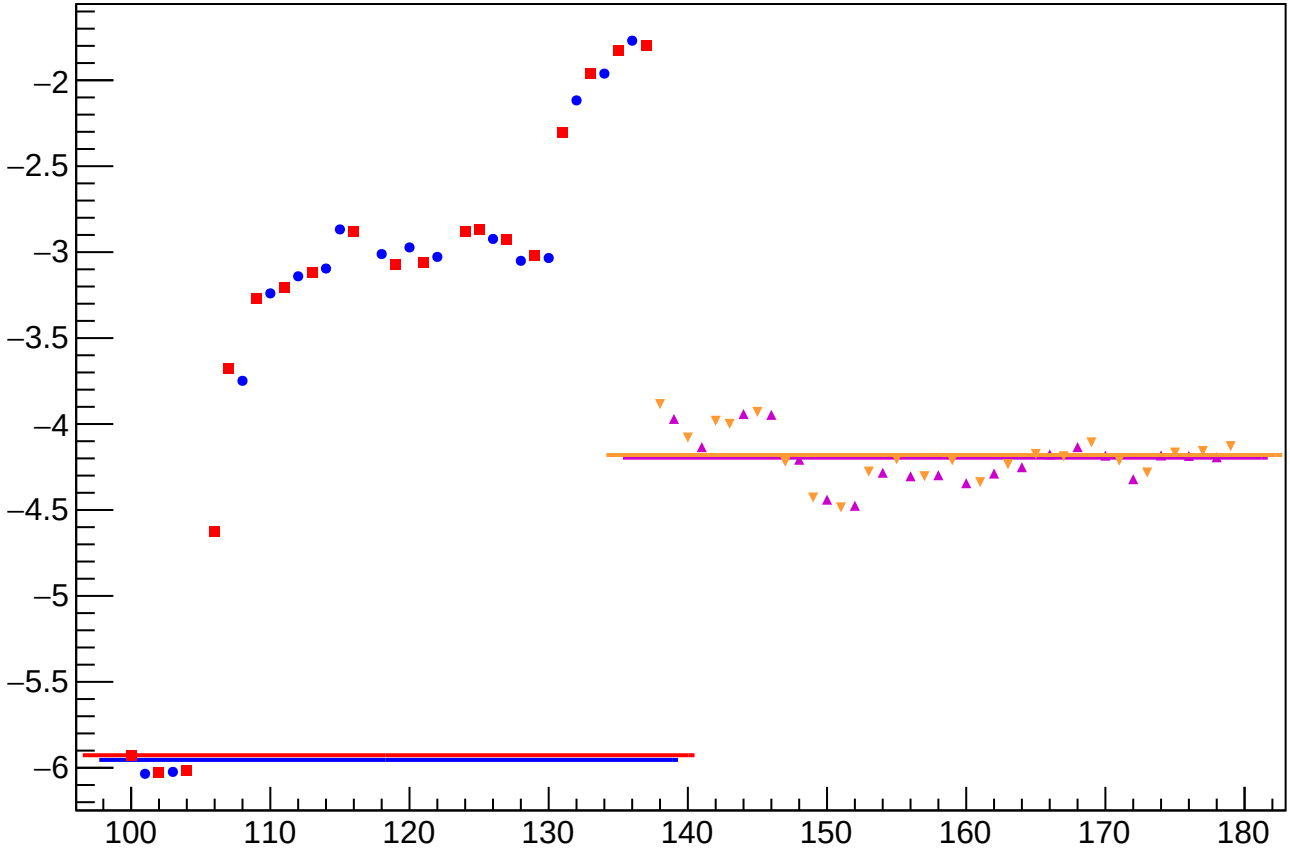
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2173512.6/35

Out: 0.007+/-0.000 χ^2/NDF:2090933.4/40

All: 0.007+/-0.000 χ^2/NDF: 4266671.5/76

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.180+/-0.000 χ^2/NDF:54130941.9/21

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.196+/-0.000 χ^2/NDF:41541487.1/19

Left: -4.190+/-0.000 χ^2/NDF: 95986343.6/41

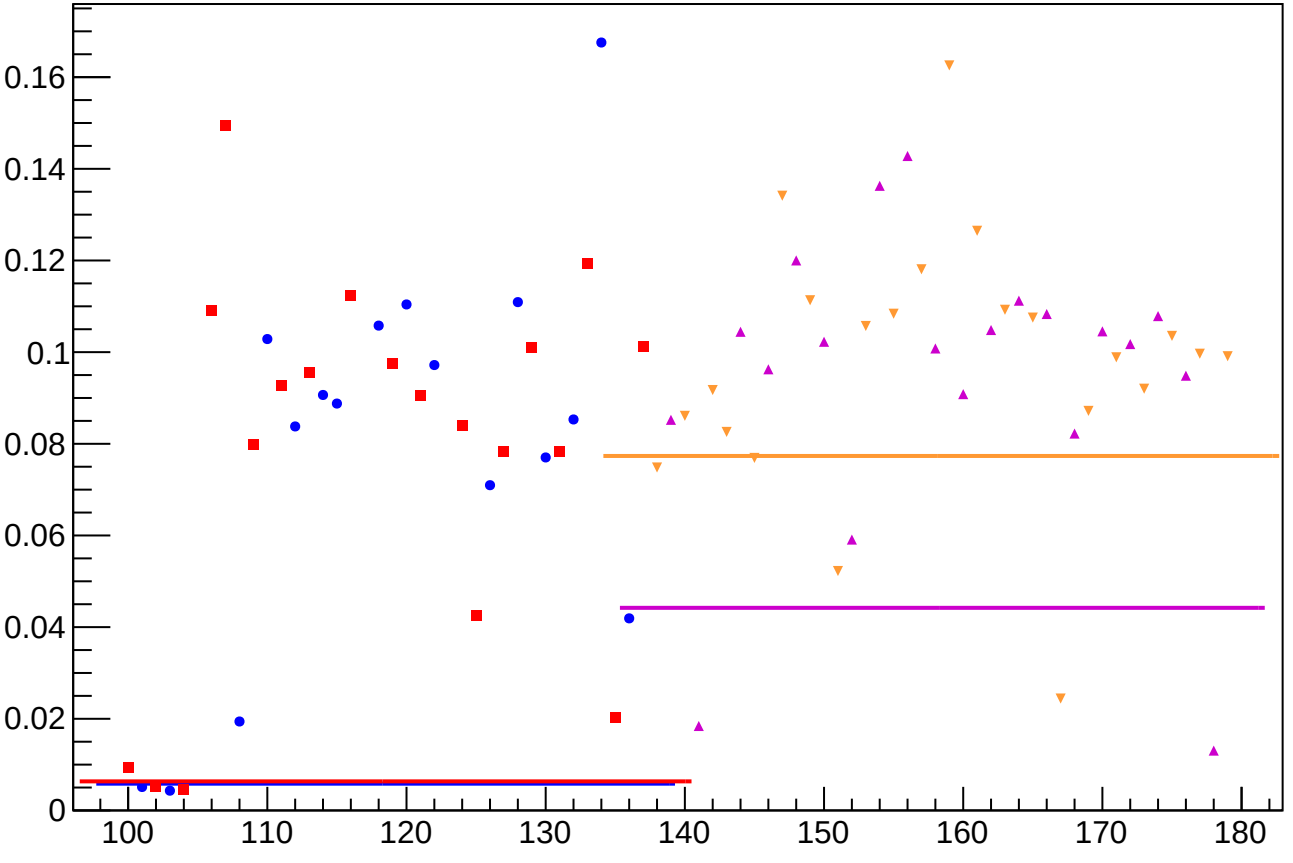
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.840+/-0.000 χ^2/NDF:23450183721.5/35

Out: -5.845+/-0.000 χ^2/NDF:20032005080.6/40

All: -5.842+/-0.000 χ^2/NDF: 43482706011.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.077+/-0.000 χ^2/NDF:4673229.3/21

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.044+/-0.000 χ^2/NDF:11928848.8/19

Left: 0.056+/-0.000 χ^2/NDF: 19489006.9/41

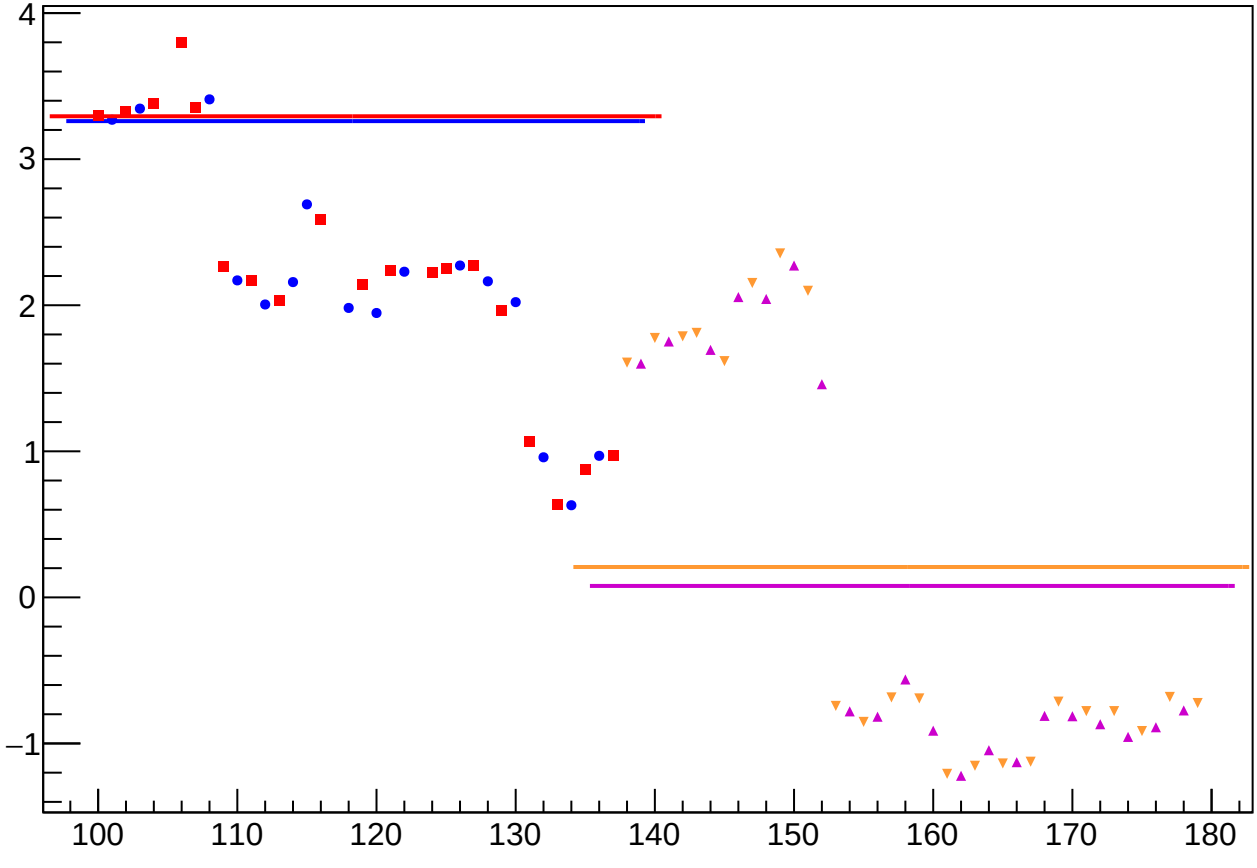
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:30445727.1/35

Out: 0.010+/-0.000 χ^2/NDF:33437607.1/40

All: 0.009+/-0.000 χ^2/NDF: 63973004.1/76

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.208+/-0.000 χ^2/NDF:3389597190.6/21

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.078+/-0.000 χ^2/NDF:3294863356.9/19

Left: 0.138+/-0.000 χ^2/NDF: 6700559680.9/41

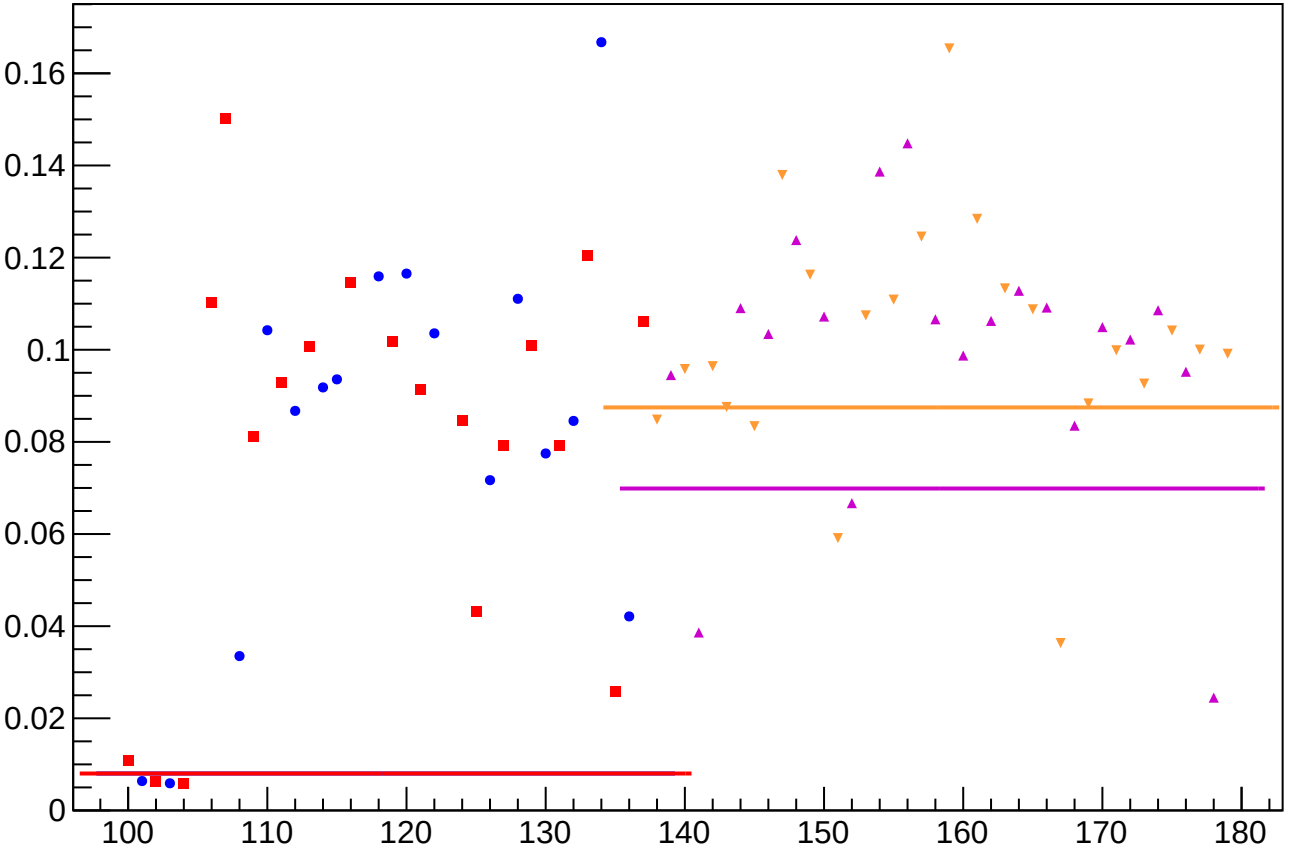
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.059+/-0.000 χ^2/NDF:26142450909.2/35

Out: 3.118+/-0.000 χ^2/NDF:22526211278.7/40

All: 3.088+/-0.000 χ^2/NDF: 48722629918.7/7

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:2889507.0/21

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.070+/-0.000 χ^2/NDF:6190946.2/19

Left: 0.078+/-0.000 χ^2/NDF: 9674343.7/41

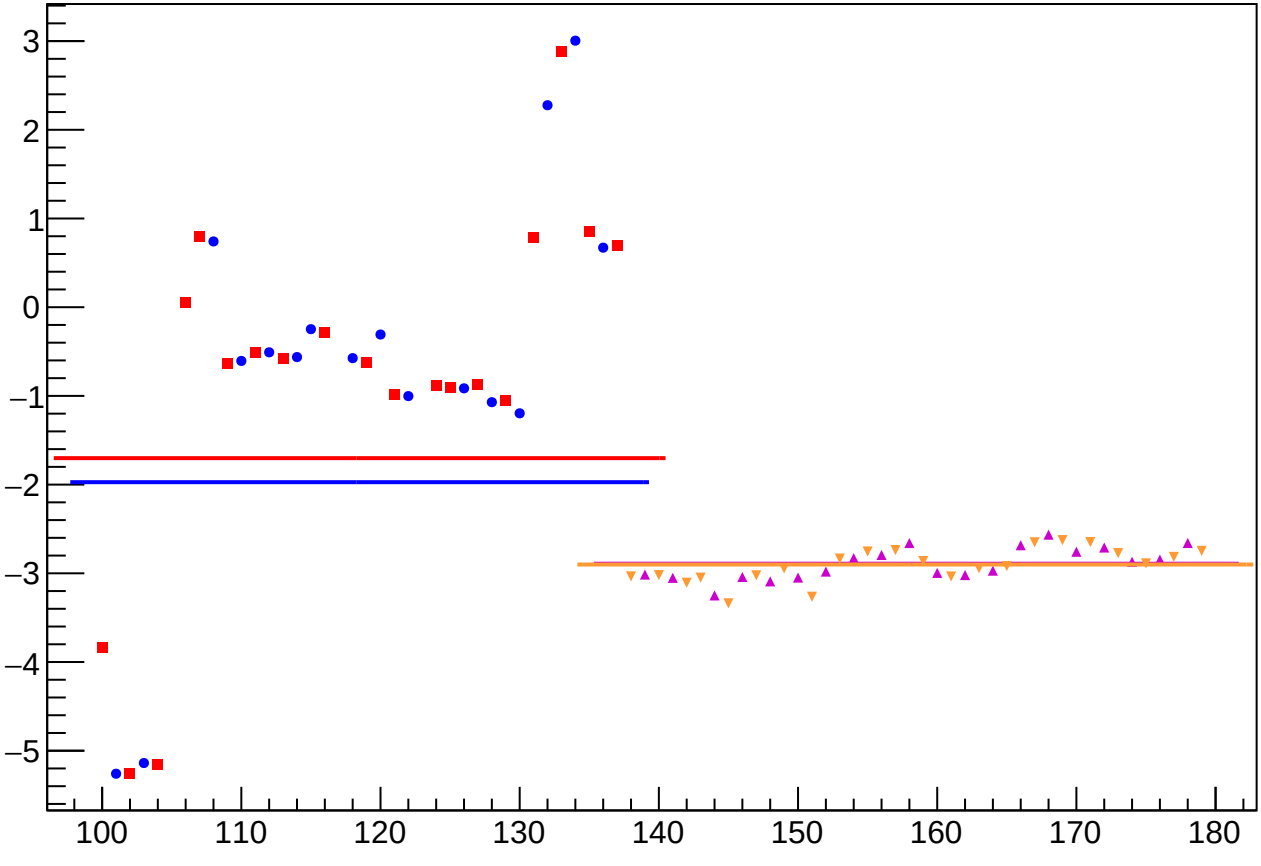
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.012+/-0.000 χ^2/NDF:29600385.9/35

Out: 0.013+/-0.000 χ^2/NDF:32510879.1/40

All: 0.012+/-0.000 χ^2/NDF: 62123750.2/76

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.901+/-0.000 χ^2/NDF:9296155182.7/21

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.892+/-0.000 χ^2/NDF:8017280971.8/19

Left: -2.897+/-0.000 χ^2/NDF: 17323612075.3/41

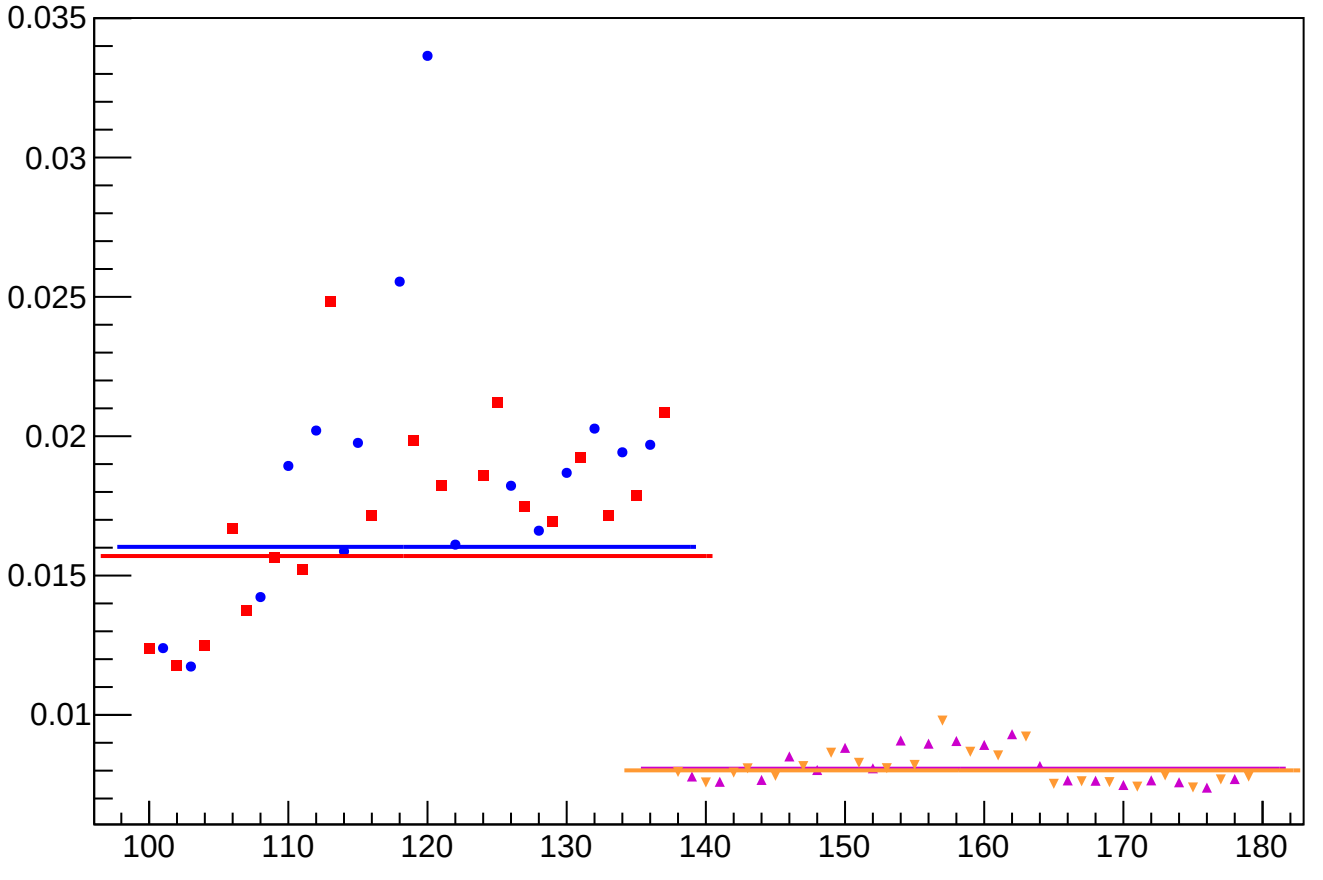
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.812+/-0.000 χ^2/NDF:187471789030.9/35

Out: -2.792+/-0.000 χ^2/NDF:211239281603.3/40

All: -2.802+/-0.000 χ^2/NDF: 398765204979.1

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:151182.2/21

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:171265.6/19

Left: 0.008+/-0.000 χ^2/NDF: 323350.8/41

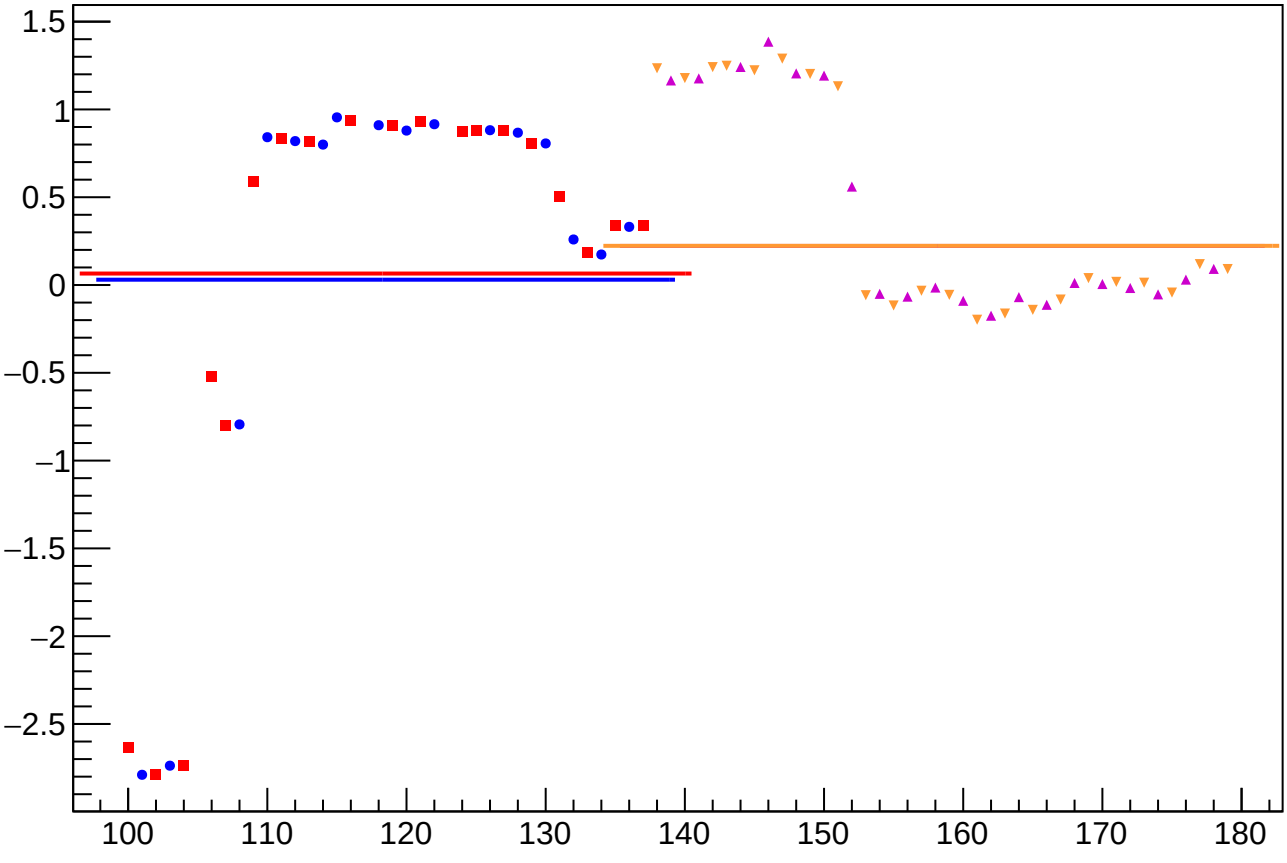
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3528737.5/35

Out: 0.009+/-0.000 χ^2/NDF:3434988.8/40

All: 0.009+/-0.000 χ^2/NDF: 6964504.9/76

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.223+/-0.000 χ^2/NDF:102176225734.0/21

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.222+/-0.000 χ^2/NDF:86387866688.2/19

Left: 0.223+/-0.000 χ^2/NDF: 188564172222.1/41

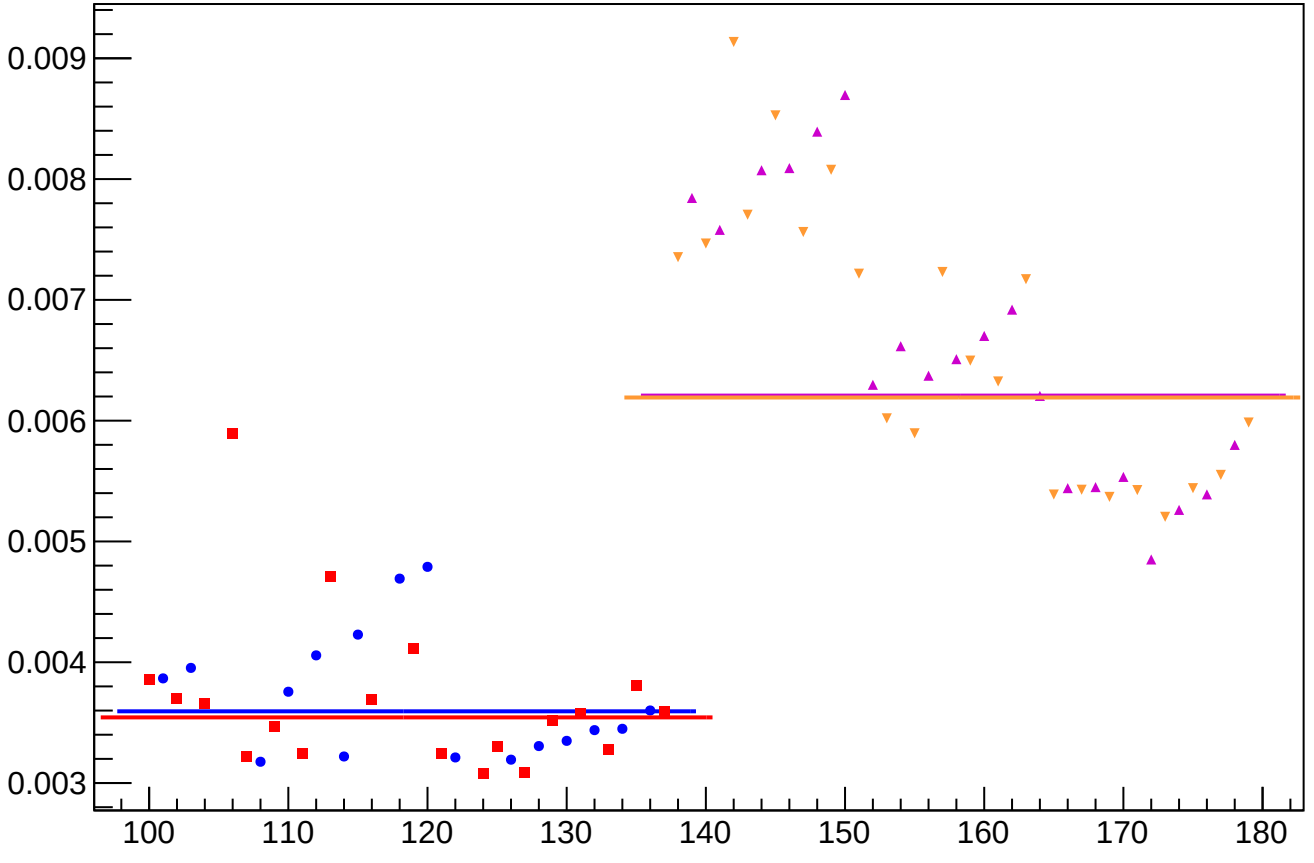
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.109+/-0.000 χ^2/NDF:945981738040.5/35

Out: 0.130+/-0.000 χ^2/NDF:1043392258094.1/40

All: 0.120+/-0.000 χ^2/NDF: 1989576291273.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:729118.8/21

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:800273.6/19

Left: 0.006+/-0.000 χ^2/NDF: 1529485.3/41

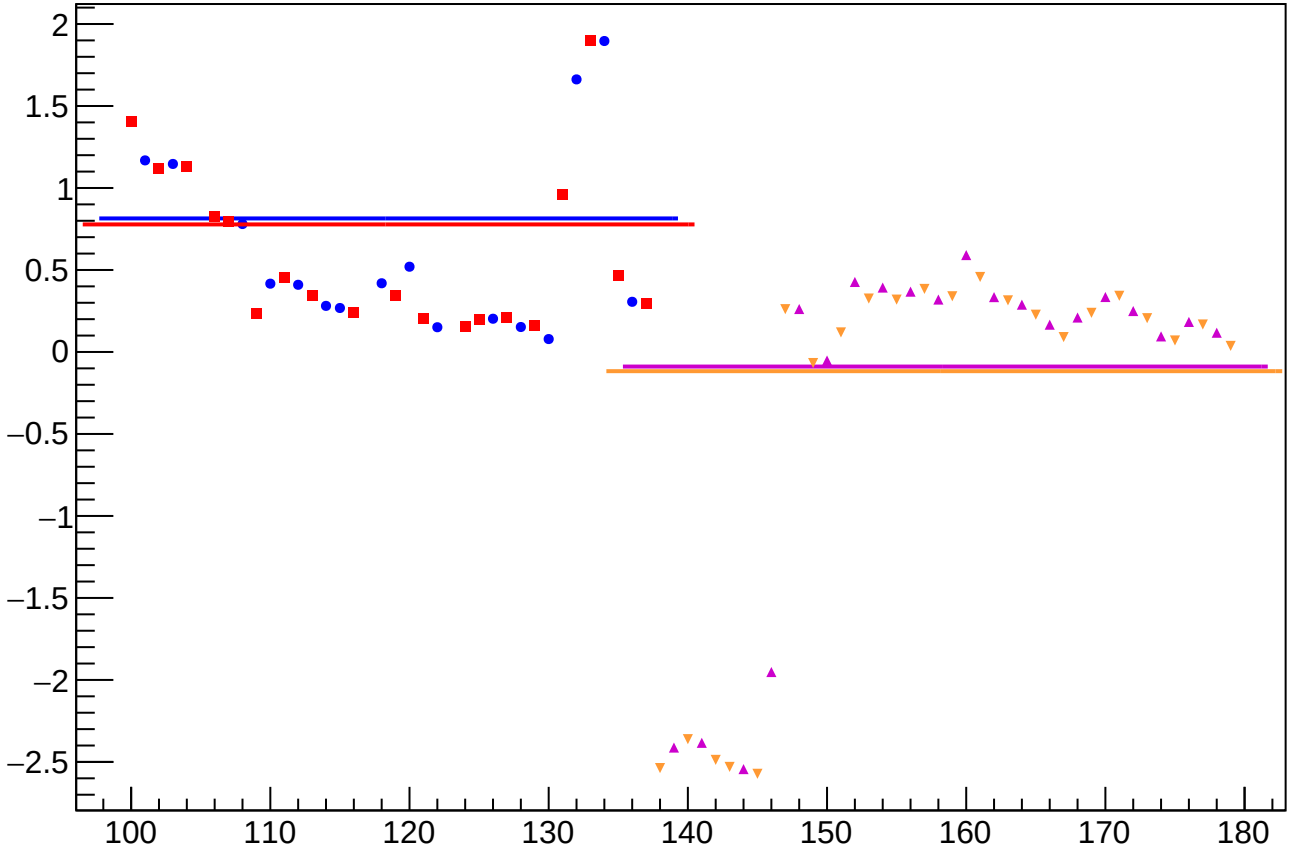
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3908106.9/35

Out: 0.005+/-0.000 χ^2/NDF:4186368.0/40

All: 0.005+/-0.000 χ^2/NDF: 8095574.6/76

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.117+/-0.000 χ^2/NDF:381865712369.0/21

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.089+/-0.000 χ^2/NDF:342678848938.8/19

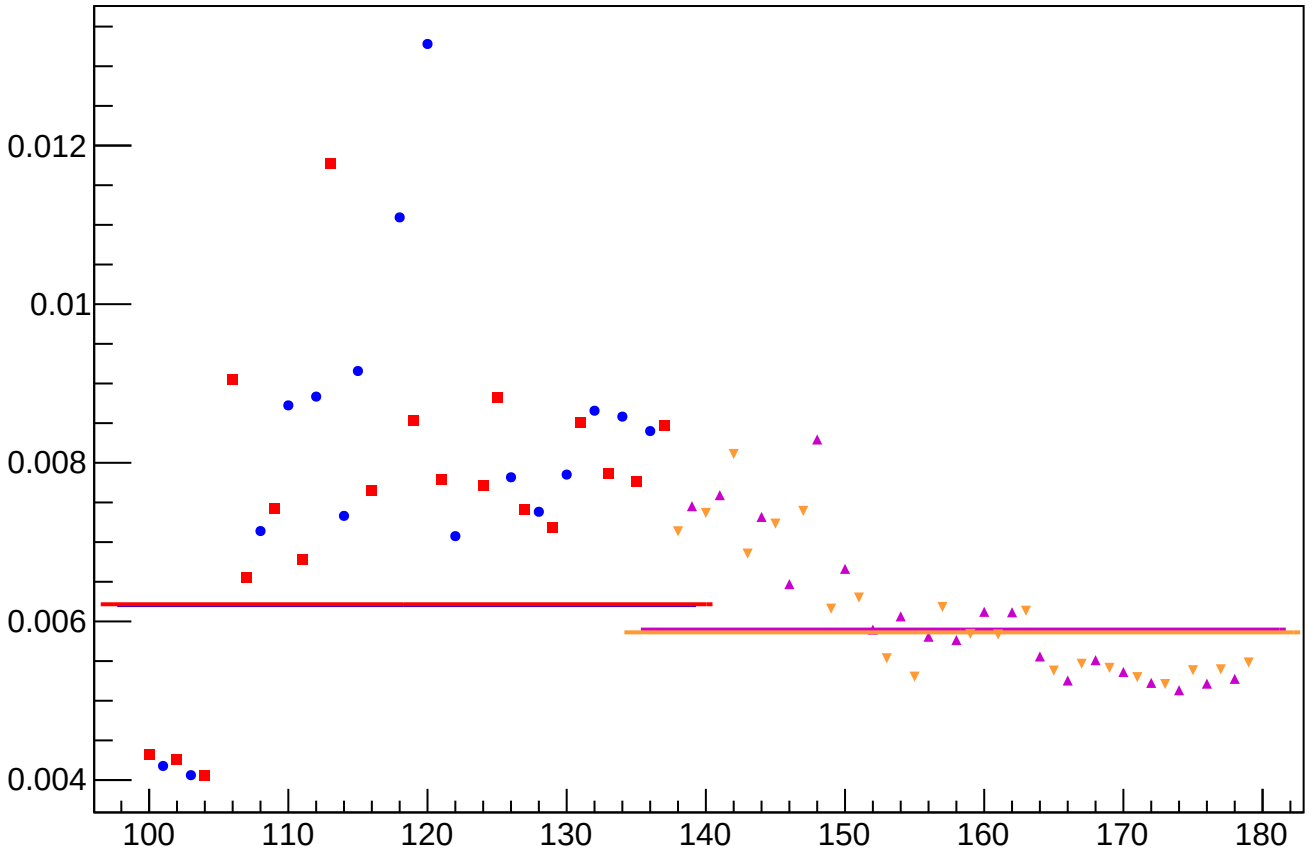
Left: -0.104+/-0.000 χ^2/NDF: 724720123798.6/41

Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.139+/-0.000 χ^2/NDF:466099294847.9/35

Out: 0.109+/-0.000 χ^2/NDF:509523359522.8/40

All: 0.123+/-0.000 χ^2/NDF: 975892813799.3



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:437687.6/21

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:513152.4/19

Left: 0.006+/-0.000 χ^2/NDF: 951379.9/41

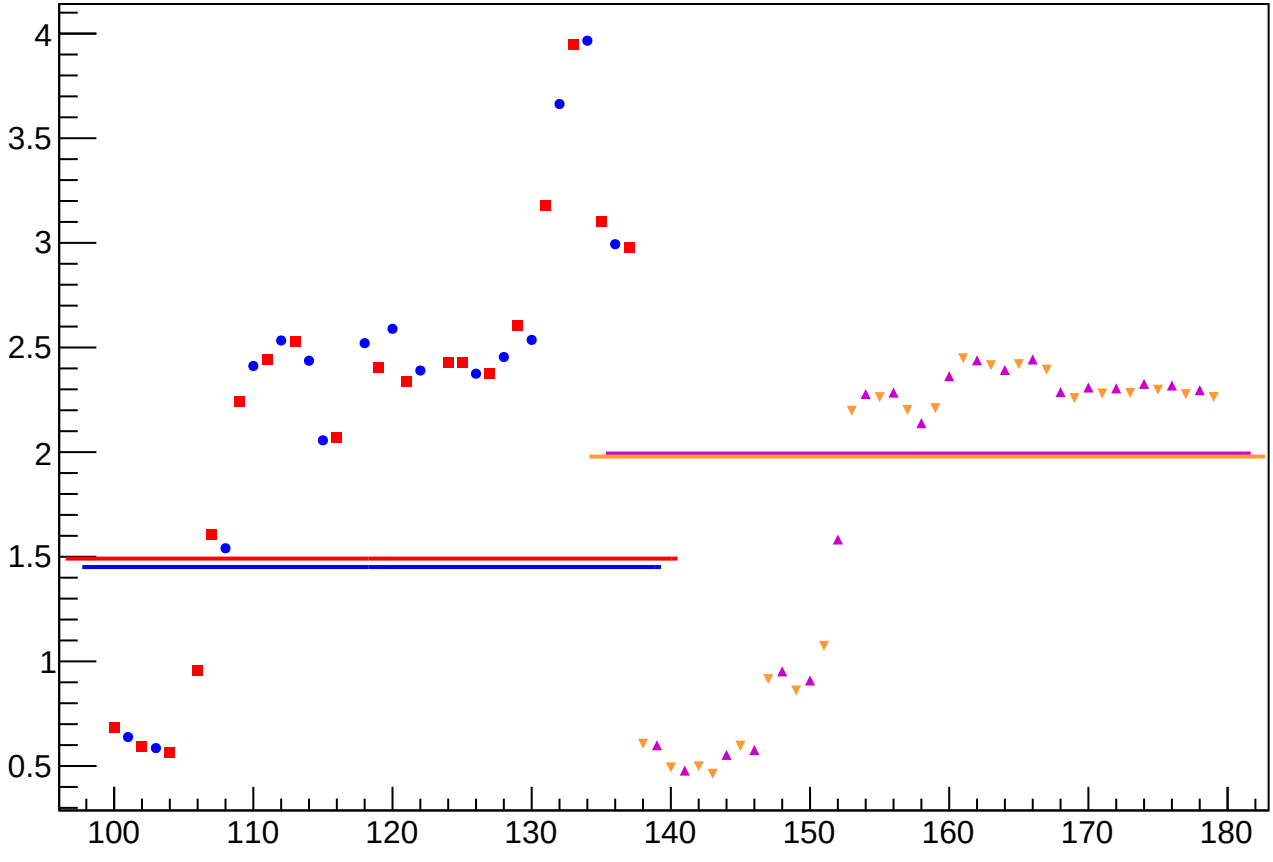
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1957621.2/35

Out: 0.006+/-0.000 χ^2/NDF:1627948.2/40

All: 0.006+/-0.000 χ^2/NDF: 3585895.5/76

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.979+/-0.000 χ^2/NDF:215426985559.2/21

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.993+/-0.000 χ^2/NDF:189979901795.6/19

Left: 1.986+/-0.000 χ^2/NDF: 405456167801.8/41

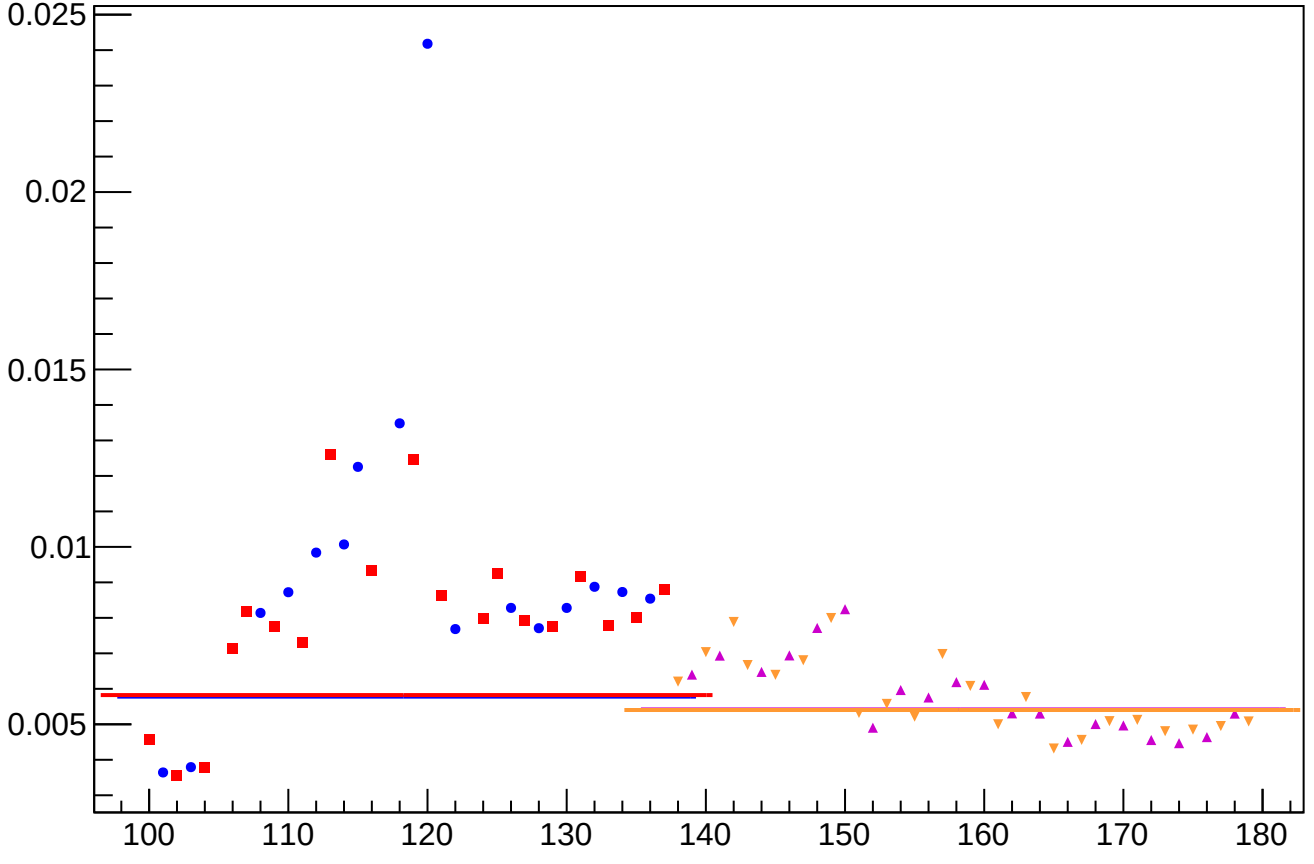
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.861+/-0.000 χ^2/NDF:392969070025.3/35

Out: 1.861+/-0.000 χ^2/NDF:431469125769.9/40

All: 1.861+/-0.000 χ^2/NDF: 824438331137.3

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:709447.7/21

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781914.1/19

Left: 0.005+/-0.000 χ^2/NDF: 1491496.5/41

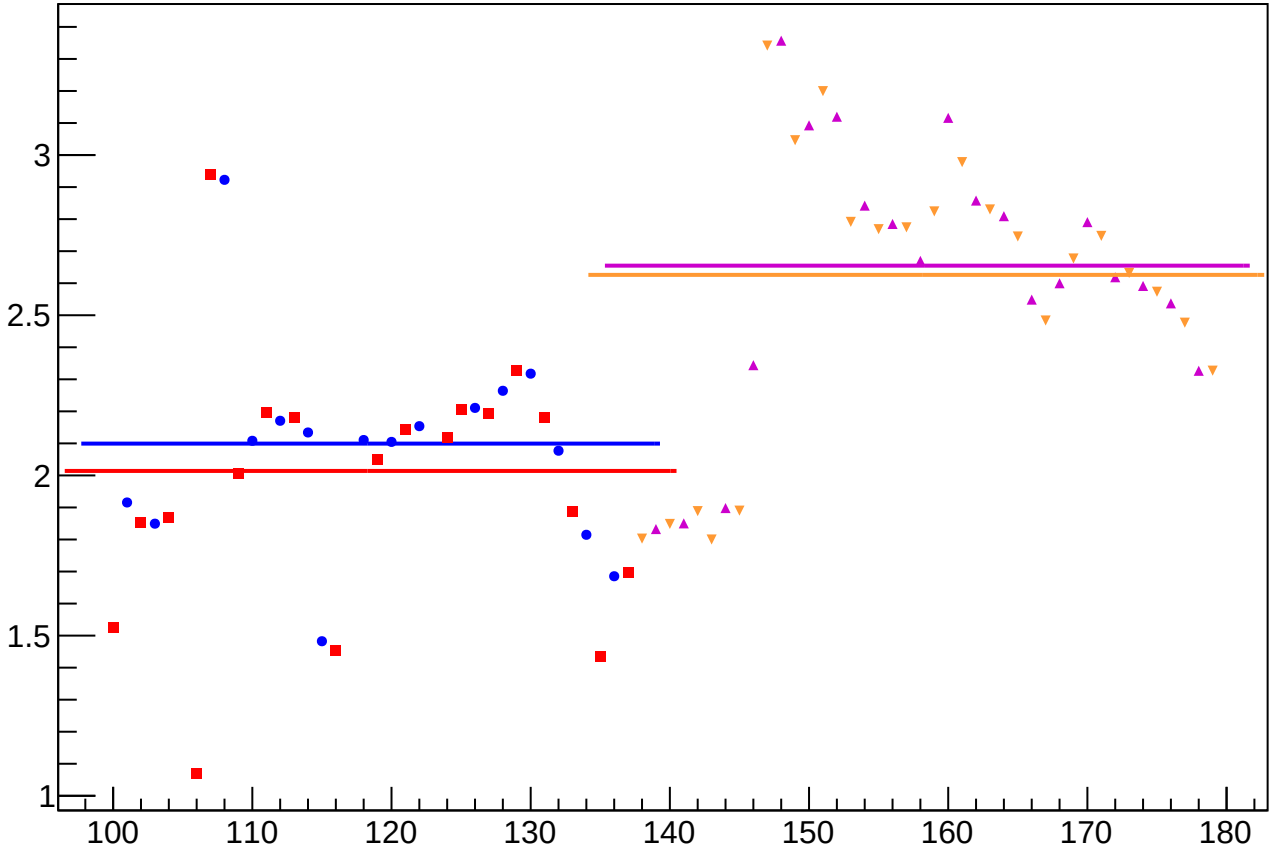
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:3025297.0/35

Out: 0.006+/-0.000 χ^2/NDF:2708456.4/40

All: 0.006+/-0.000 χ^2/NDF: 5733757.1/76

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.626+/-0.000 χ^2/NDF:45904149268.9/21

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.655+/-0.000 χ^2/NDF:39393962879.1/19

Left: 2.640+/-0.000 χ^2/NDF: 85414580639.2/41

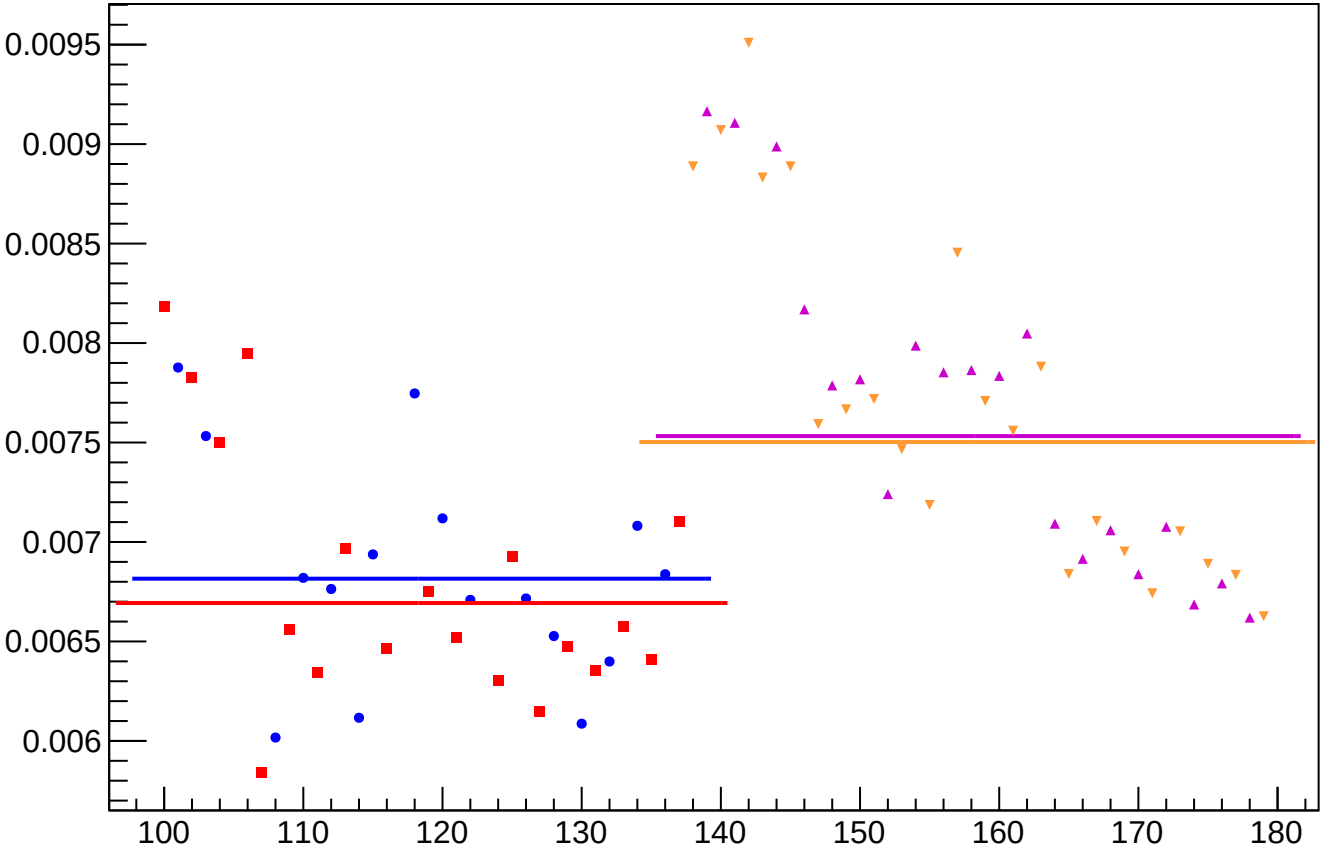
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.460+/-0.000 χ^2/NDF:82751975771.5/35

Out: 2.409+/-0.000 χ^2/NDF:104093472190.2/40

All: 2.434+/-0.000 χ^2/NDF: 187397094173.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:323247.9/21

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:296573.7/19

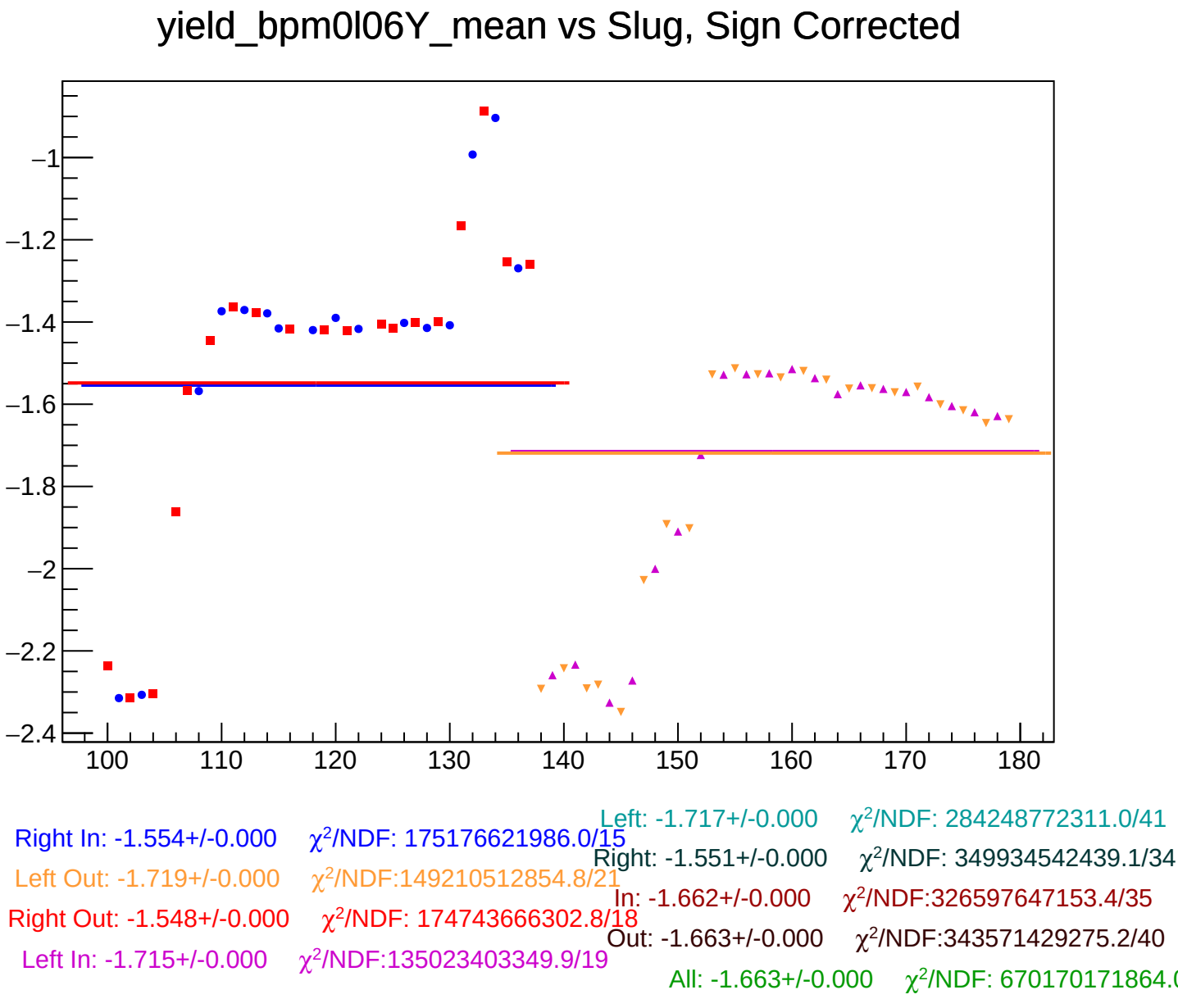
Left: 0.008+/-0.000 χ^2/NDF: 620070.2/41

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

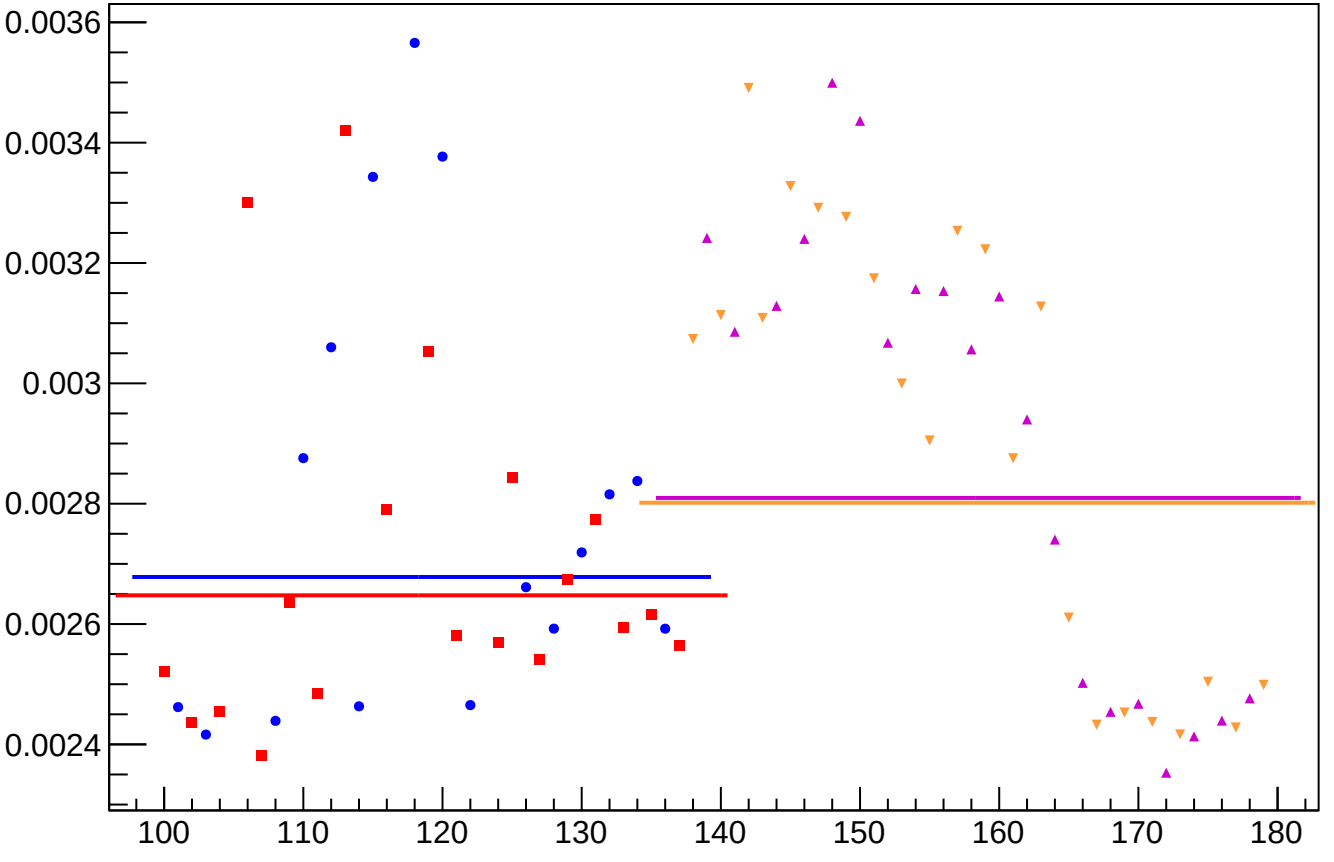
In: 0.007+/-0.000 χ^2/NDF:481367.9/35

Out: 0.007+/-0.000 χ^2/NDF:546058.9/40

All: 0.007+/-0.000 χ^2/NDF: 1029238.2/76


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
160
170
180
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.719+/-0.000 χ²/NDF:149210512854.8/21
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.715+/-0.000 χ²/NDF:135023403349.9/19
Left: -1.717+/-0.000 χ²/NDF: 284248772311.0/41
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.662+/-0.000 χ²/NDF:326597647153.4/35
Out: -1.663+/-0.000 χ²/NDF:343571429275.2/40
All: -1.663+/-0.000 χ²/NDF: 670170171864.0

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:509396.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:528564.7/19

Left: 0.003+/-0.000 χ^2/NDF: 1038085.4/41

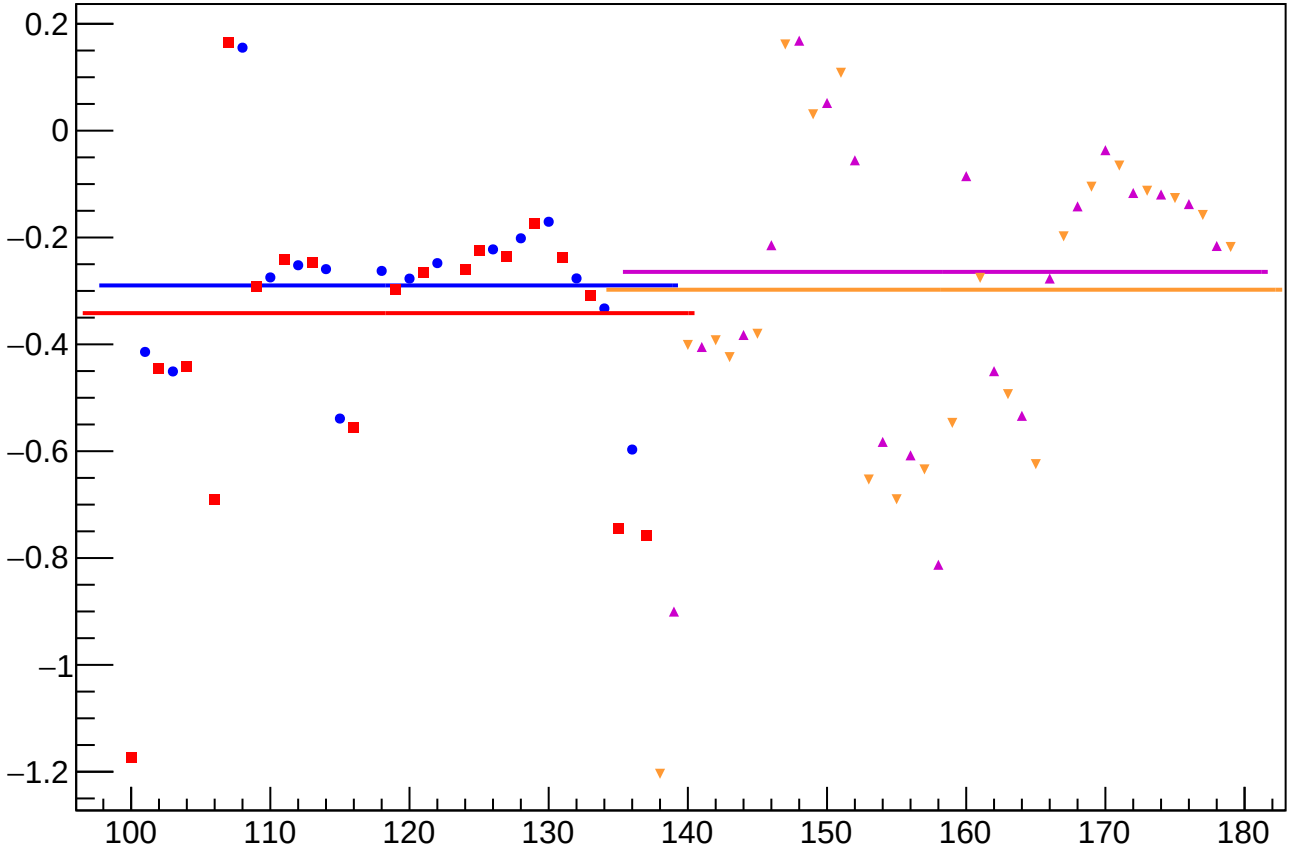
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:708178.5/35

Out: 0.003+/-0.000 χ^2/NDF:657458.8/40

All: 0.003+/-0.000 χ^2/NDF: 1366326.7/76

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.298+/-0.000 χ^2/NDF:9117289948.5/21

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.264+/-0.000 χ^2/NDF:7039162867.6/19

Left: -0.282+/-0.000 χ^2/NDF: 16213184267.2/41

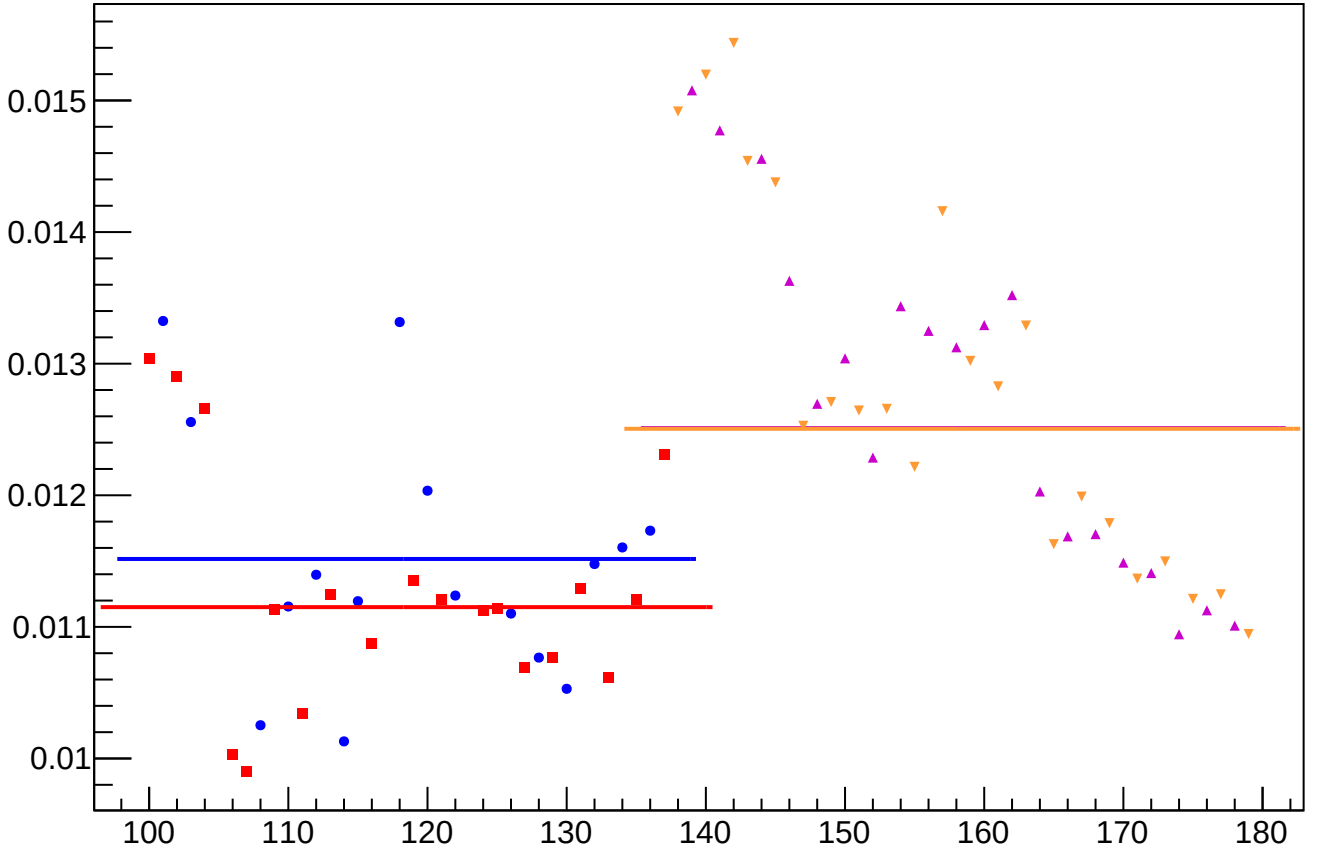
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.273+/-0.000 χ^2/NDF:8706272116.6/35

Out: -0.313+/-0.000 χ^2/NDF:11798649131.1/40

All: -0.294+/-0.000 χ^2/NDF: 20631902848.9/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:316899.7/21

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:289692.8/19

Left: 0.013+/-0.000 χ^2/NDF: 606595.5/41

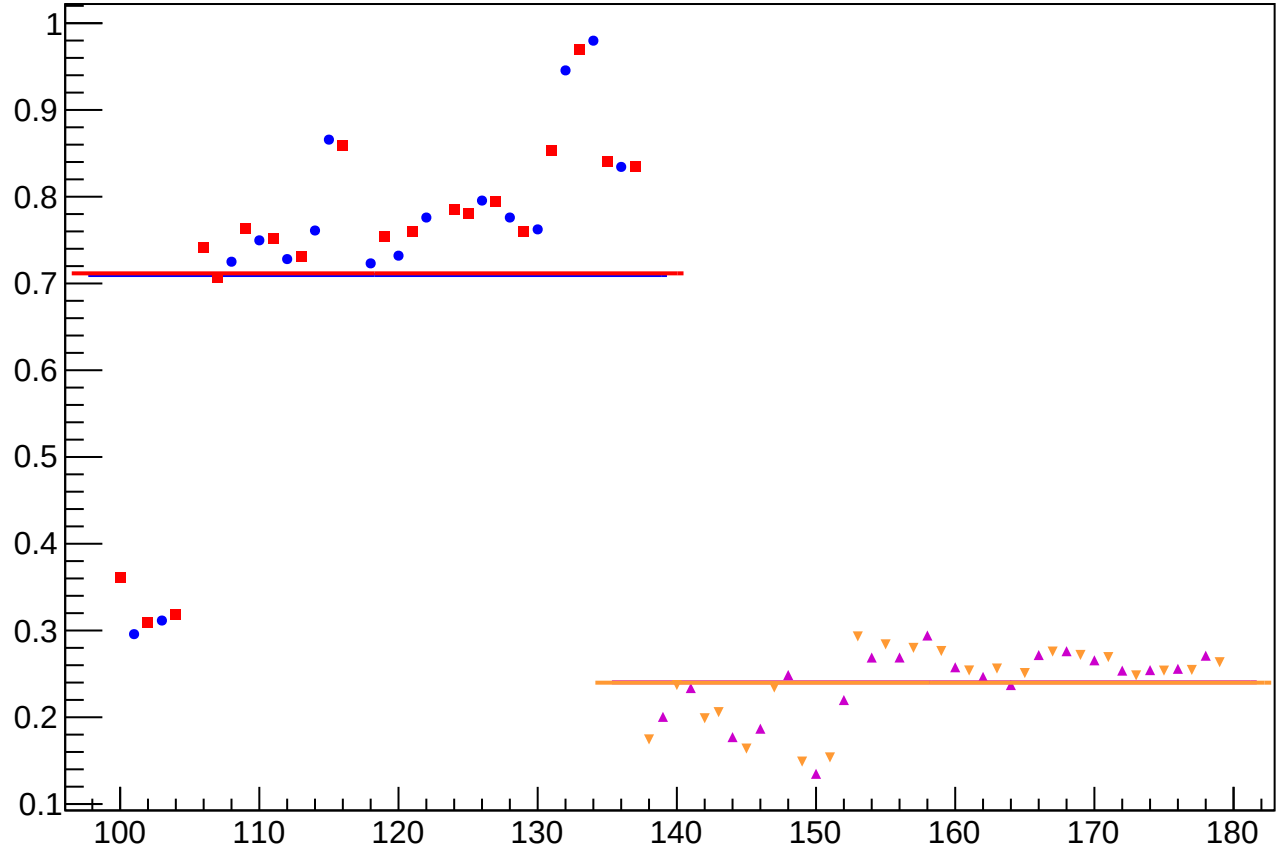
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:441409.5/35

Out: 0.012+/-0.000 χ^2/NDF:525343.0/40

All: 0.012+/-0.000 χ^2/NDF: 970026.7/76

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.240+/-0.000 χ^2/NDF:6990905603.1/21

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.240+/-0.000 χ^2/NDF:5617556011.5/19

Left: 0.240+/-0.000 χ^2/NDF: 12608774148.3/41

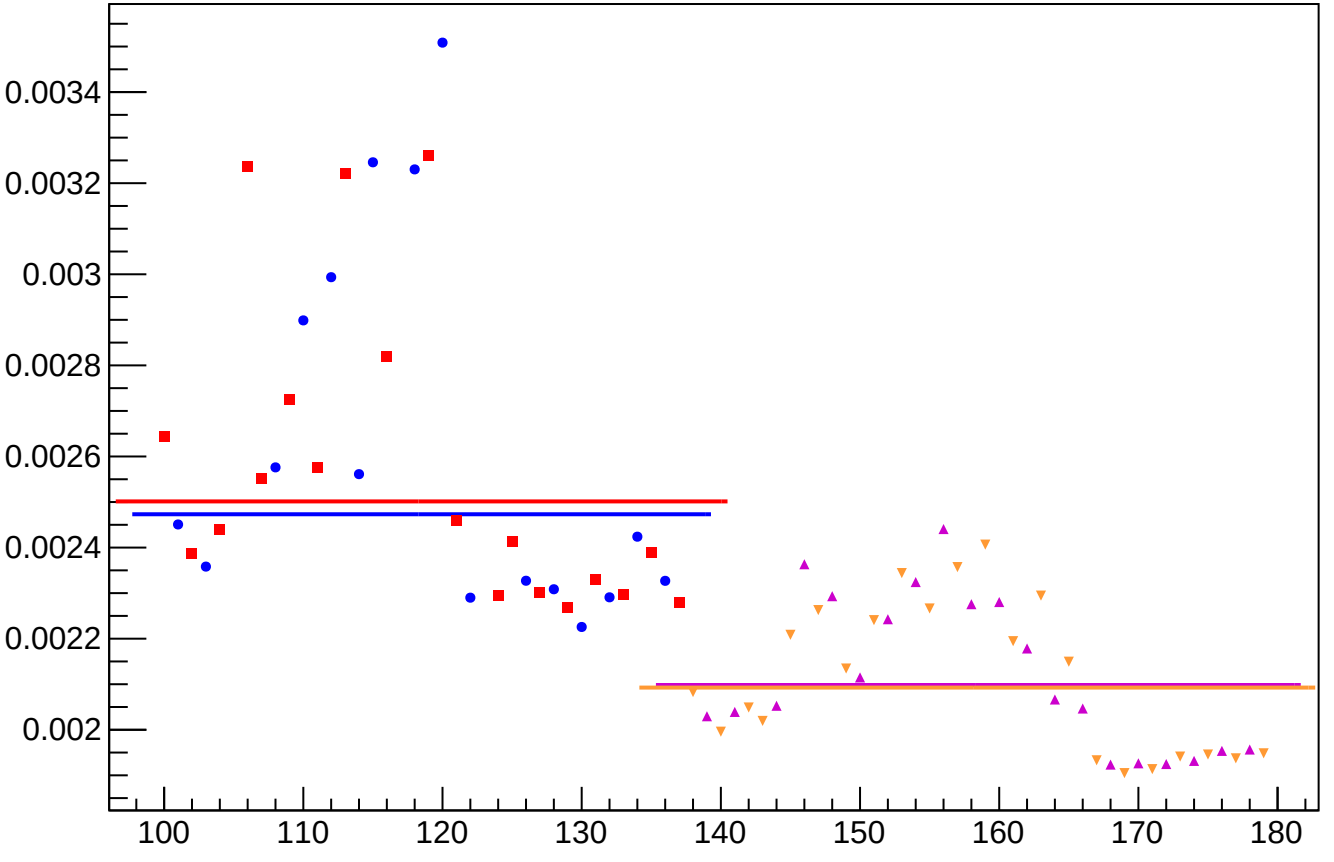
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.350+/-0.000 χ^2/NDF:242845486410.7/35

Out: 0.345+/-0.000 χ^2/NDF:245777727833.1/40

All: 0.347+/-0.000 χ^2/NDF: 488687917143.2

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:202144.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:186894.0/19

Left: 0.002+/-0.000 χ^2/NDF: 389159.9/41

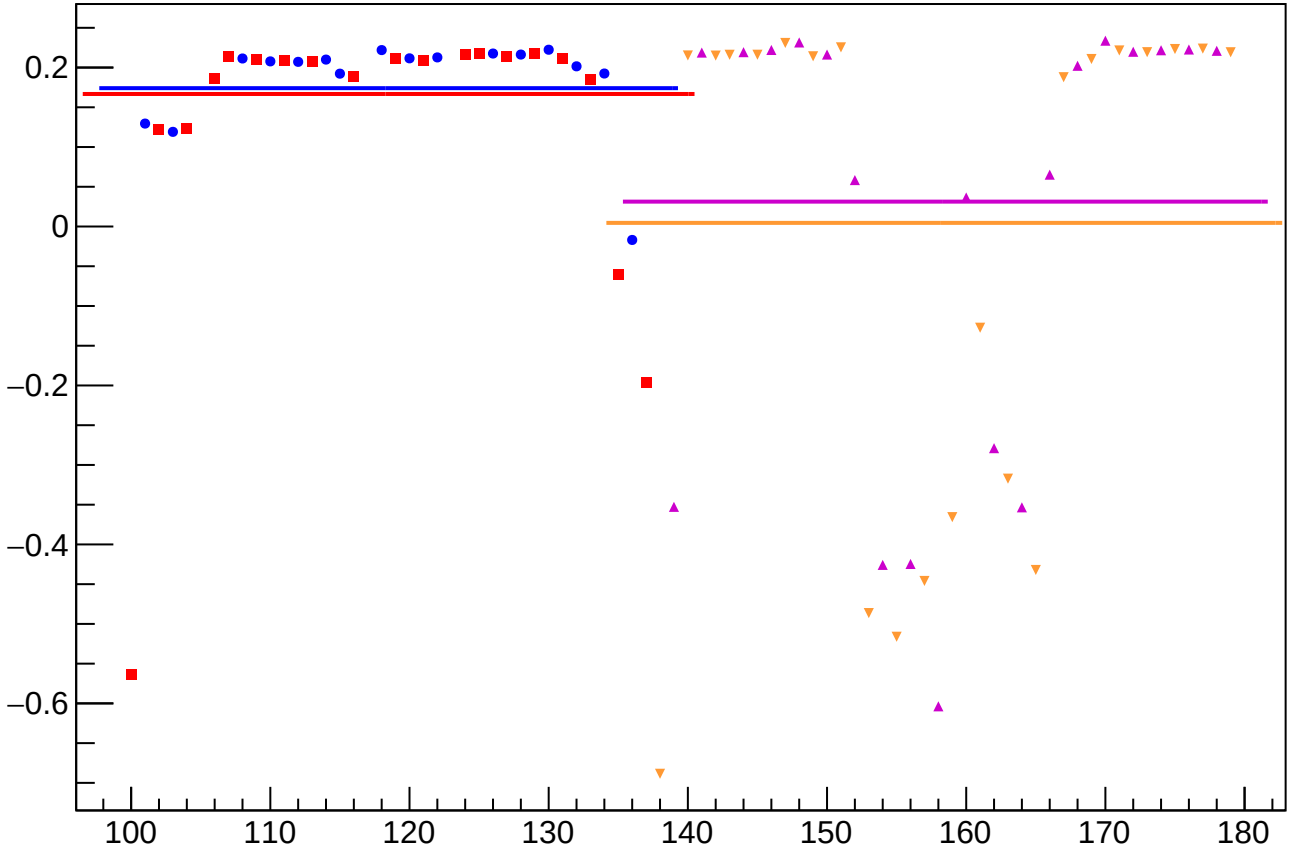
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:635062.6/35

Out: 0.002+/-0.000 χ^2/NDF:671692.2/40

All: 0.002+/-0.000 χ^2/NDF: 1306781.3/76

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:12356533570.2/21

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.031+/-0.000 χ^2/NDF:9177211249.9/19

Left: 0.017+/-0.000 χ^2/NDF: 21578134474.7/41

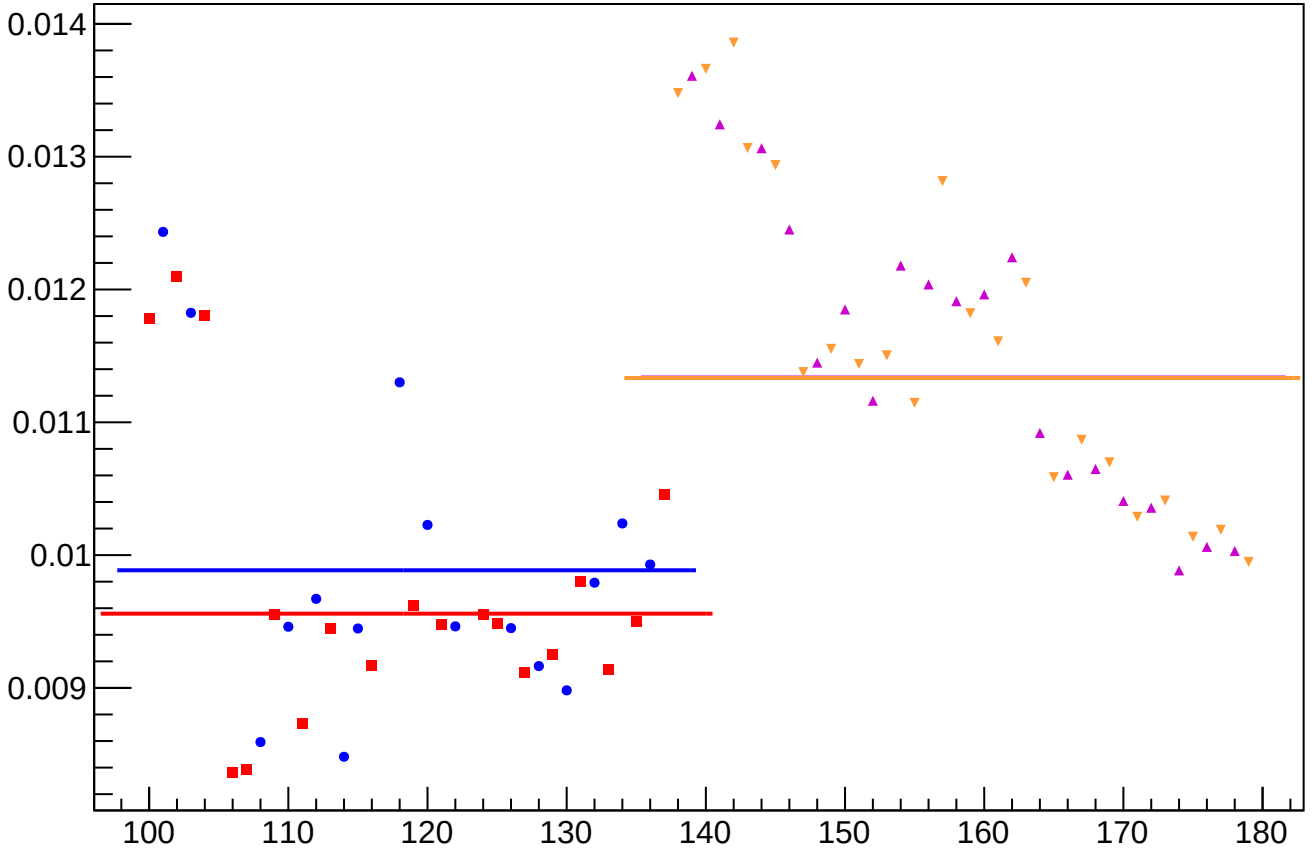
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.084+/-0.000 χ^2/NDF:10482232303.6/35

Out: 0.066+/-0.000 χ^2/NDF:14535435723.0/40

All: 0.075+/-0.000 χ^2/NDF: 25048829158.4/7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:303915.6/21

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:279912.0/19

Left: 0.011+/-0.000 χ^2/NDF: 583829.2/41

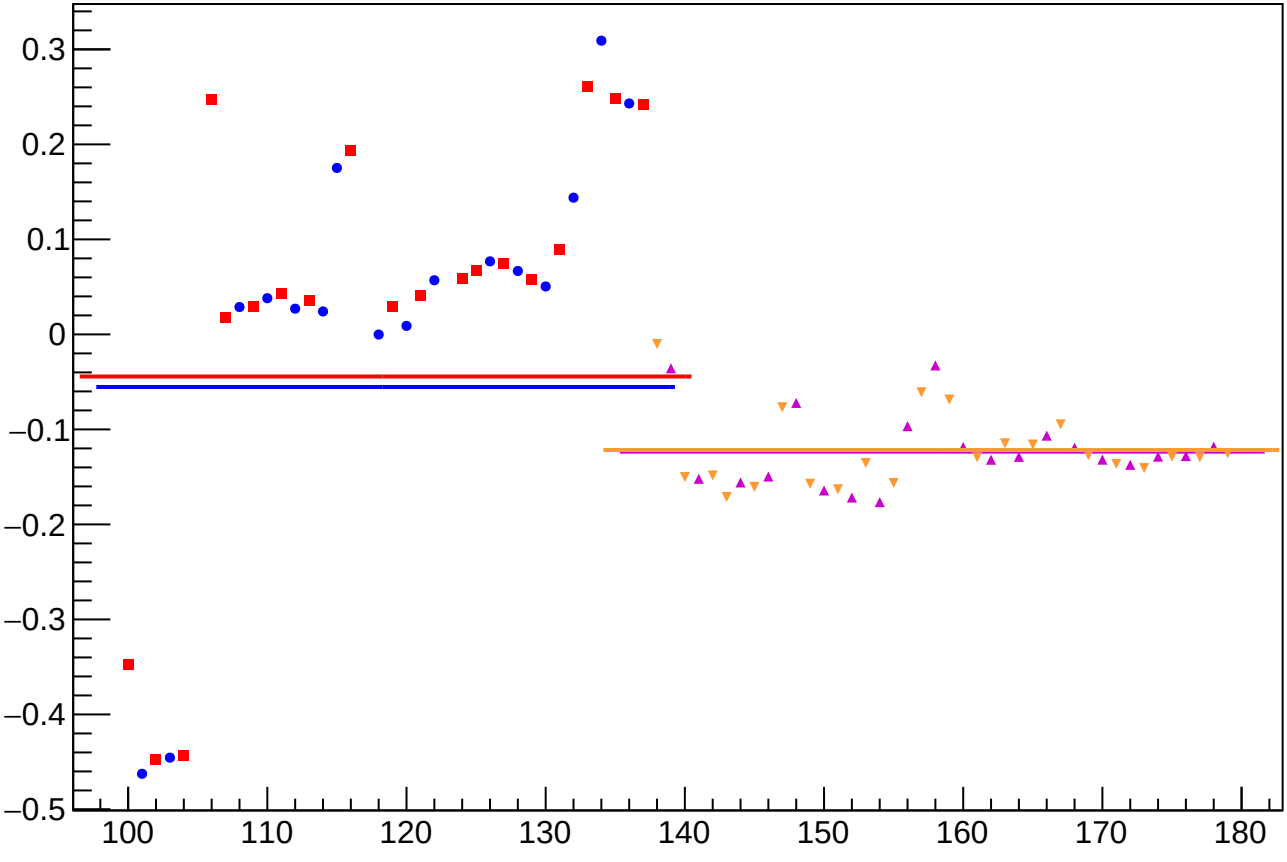
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:615204.4/35

Out: 0.011+/-0.000 χ^2/NDF:747775.8/40

All: 0.011+/-0.000 χ^2/NDF: 1367039.0/76

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.122+/-0.000 χ^2/NDF:2918171514.7/21

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.123+/-0.000 χ^2/NDF:2807342155.8/19

Left: -0.123+/-0.000 χ^2/NDF: 5728556855.6/41

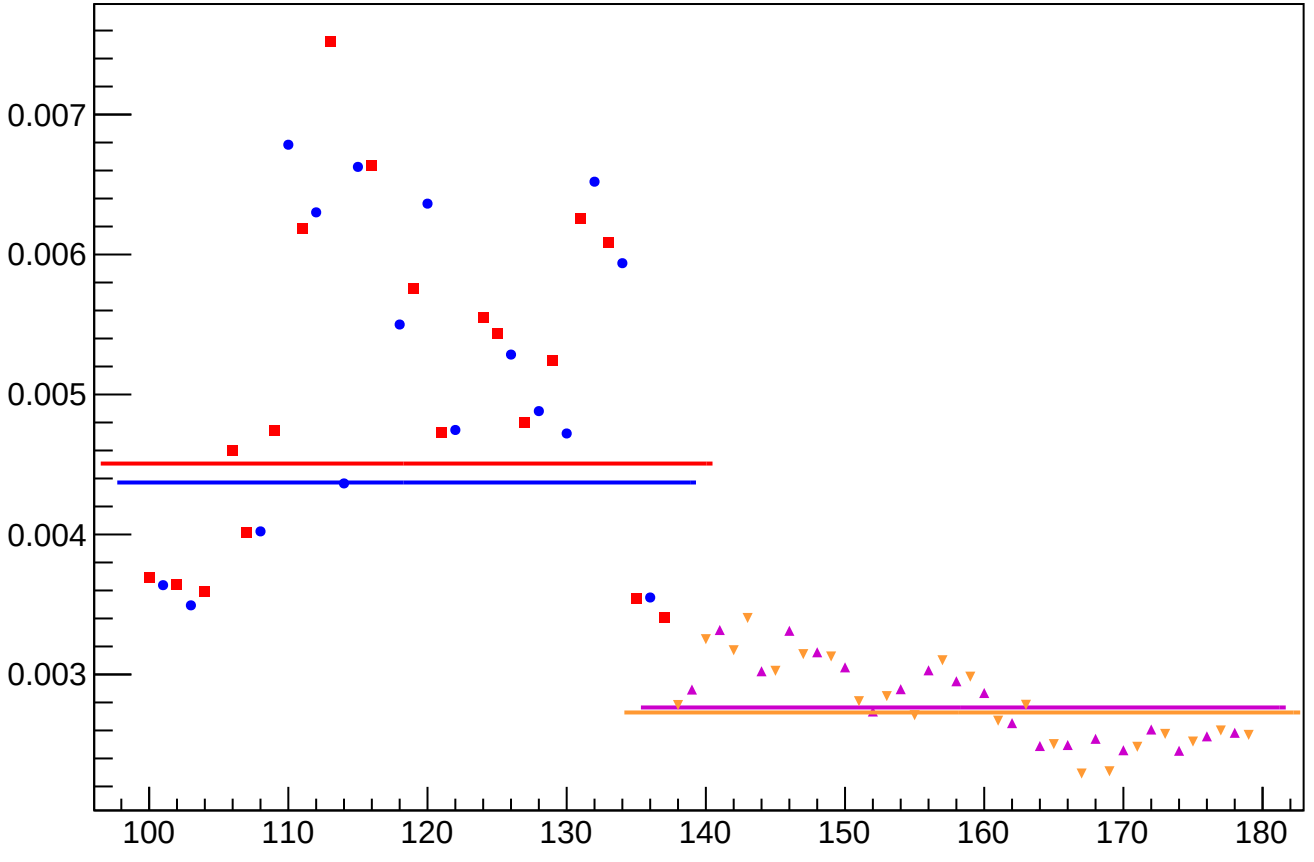
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.114+/-0.000 χ^2/NDF:28166723251.9/35

Out: -0.112+/-0.000 χ^2/NDF:26706321264.4/40

All: -0.113+/-0.000 χ^2/NDF: 54877982047.9/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:383618.9/21

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:283499.5/19

Left: 0.003+/-0.000 χ^2/NDF: 669838.6/41

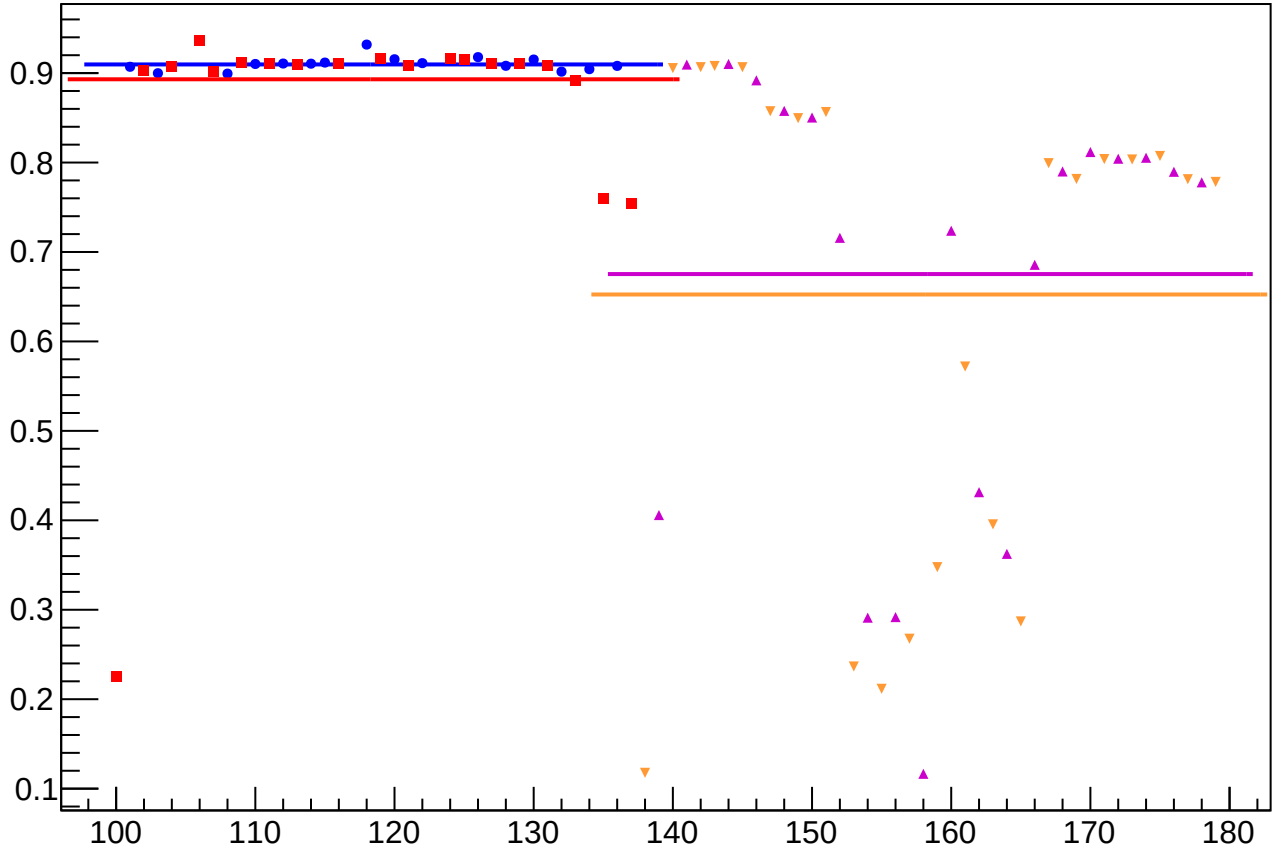
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2368790.3/35

Out: 0.003+/-0.000 χ^2/NDF:2831757.2/40

All: 0.003+/-0.000 χ^2/NDF: 5203441.5/76

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.652+/-0.000 χ^2/NDF:8997817902.8/21

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.675+/-0.000 χ^2/NDF:6845072209.5/19

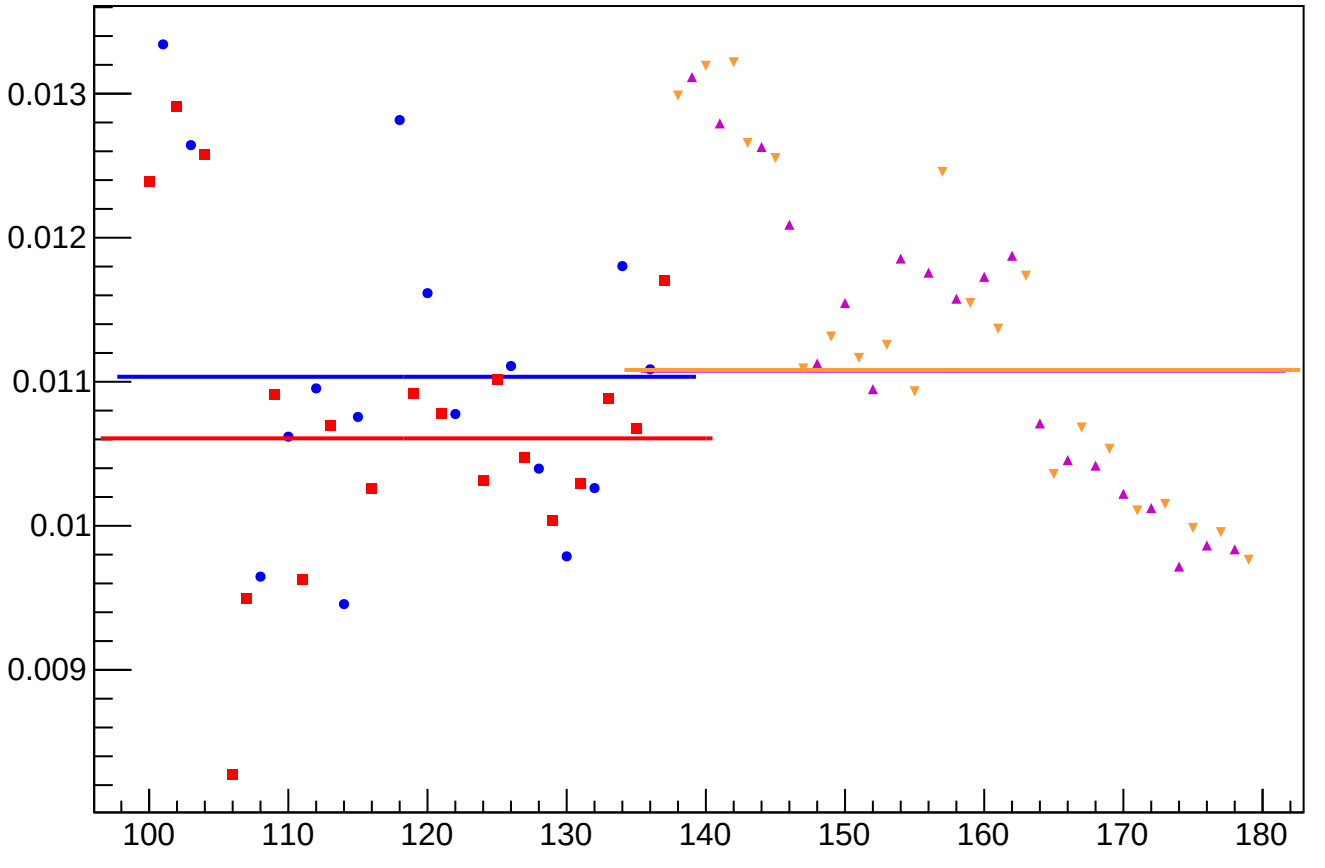
Left: 0.664+/-0.000 χ^2/NDF: 15876991215.8/41

Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.747+/-0.000 χ^2/NDF:8992088321.1/35

Out: 0.730+/-0.000 χ^2/NDF:11841556233.9/40

All: 0.738+/-0.000 χ^2/NDF: 20863527384.7/7



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:274034.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:252133.2/19

Left: 0.011+/-0.000 χ^2/NDF: 526170.9/41

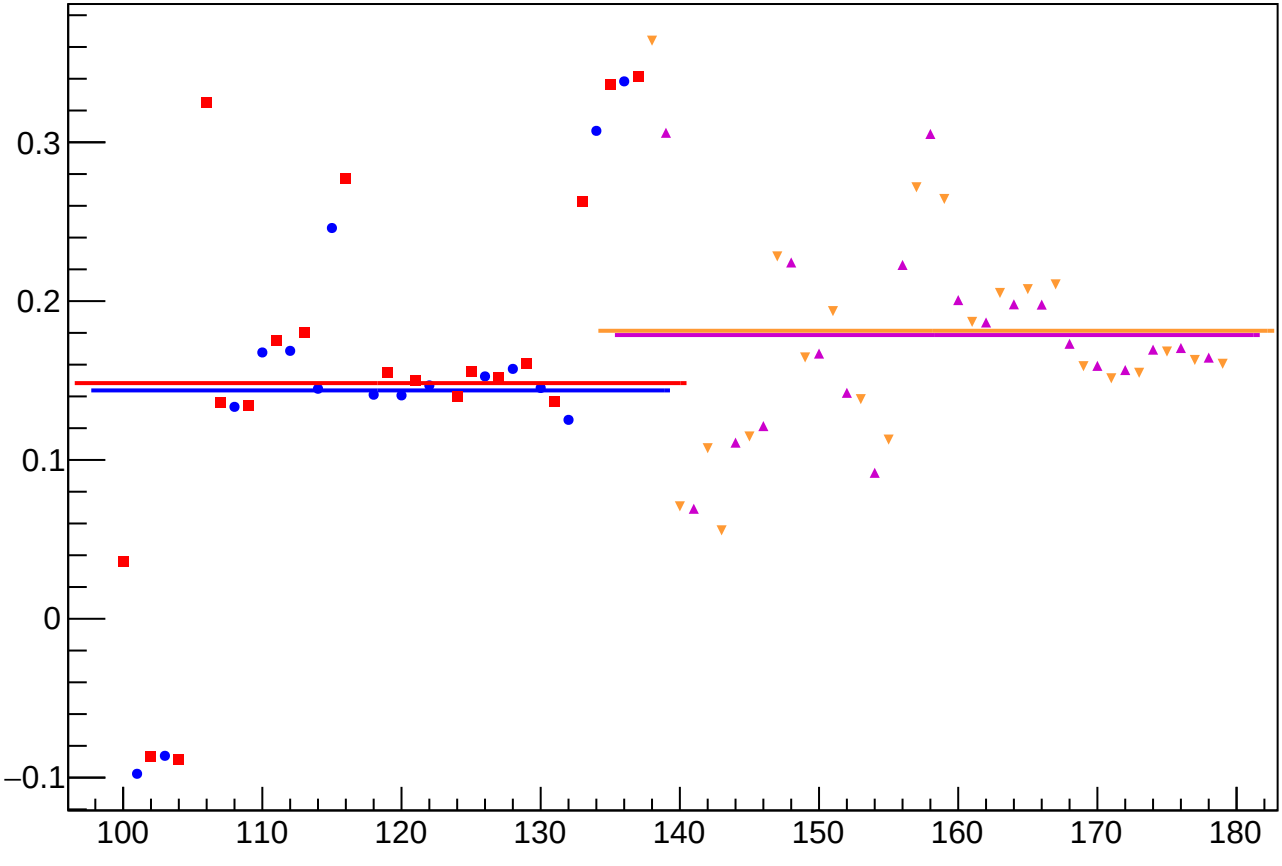
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:382625.1/35

Out: 0.011+/-0.000 χ^2/NDF:437580.4/40

All: 0.011+/-0.000 χ^2/NDF: 823646.4/76

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.181+/-0.000 χ^2/NDF:6414439677.7/21

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.179+/-0.000 χ^2/NDF:4590768294.1/19

Left: 0.180+/-0.000 χ^2/NDF: 11011348721.9/41

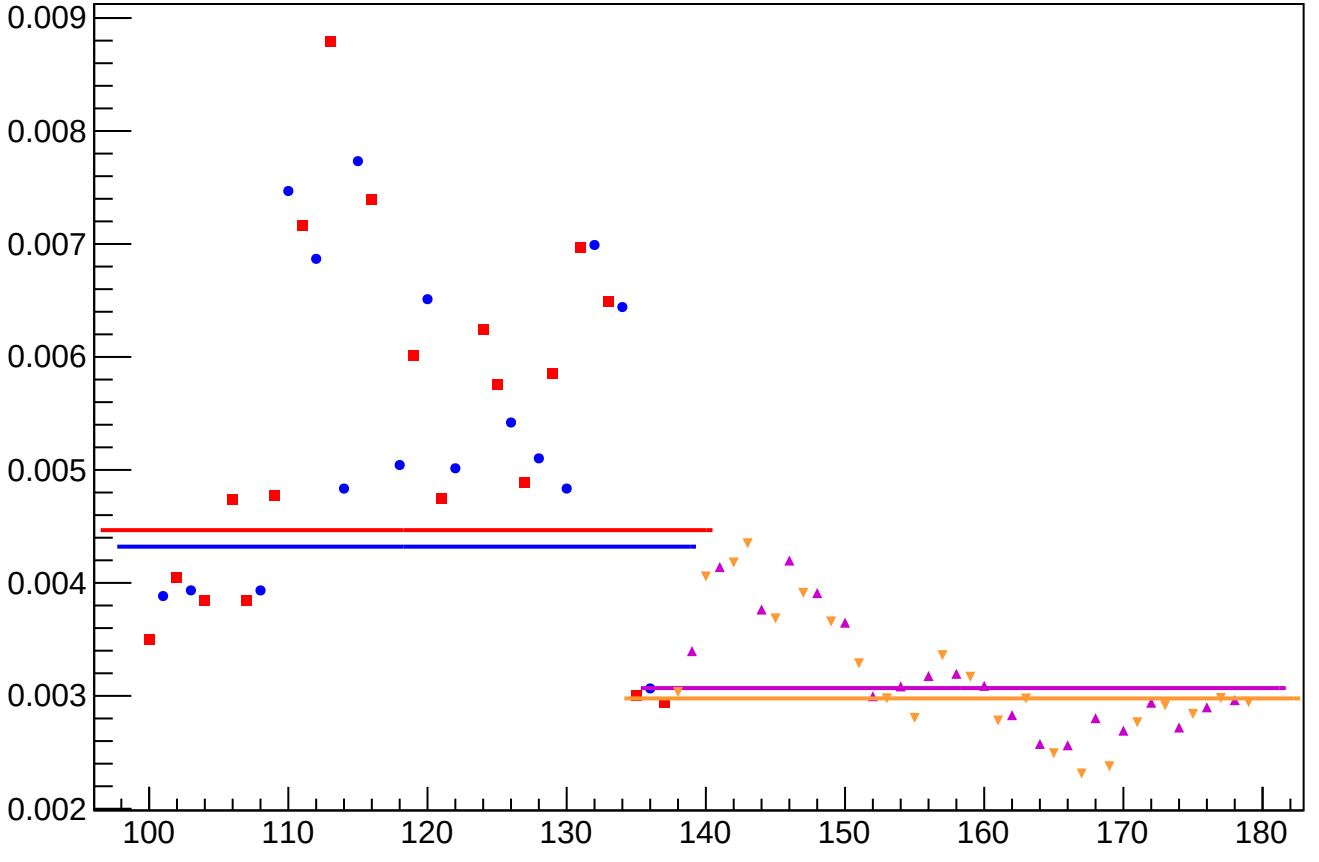
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:12770219248.5/35

Out: 0.177+/-0.000 χ^2/NDF:13820219026.2/40

All: 0.175+/-0.000 χ^2/NDF: 26603899637.6/7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:844041.5/21

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:575441.9/19

Left: 0.003+/-0.000 χ^2/NDF: 1433623.2/41

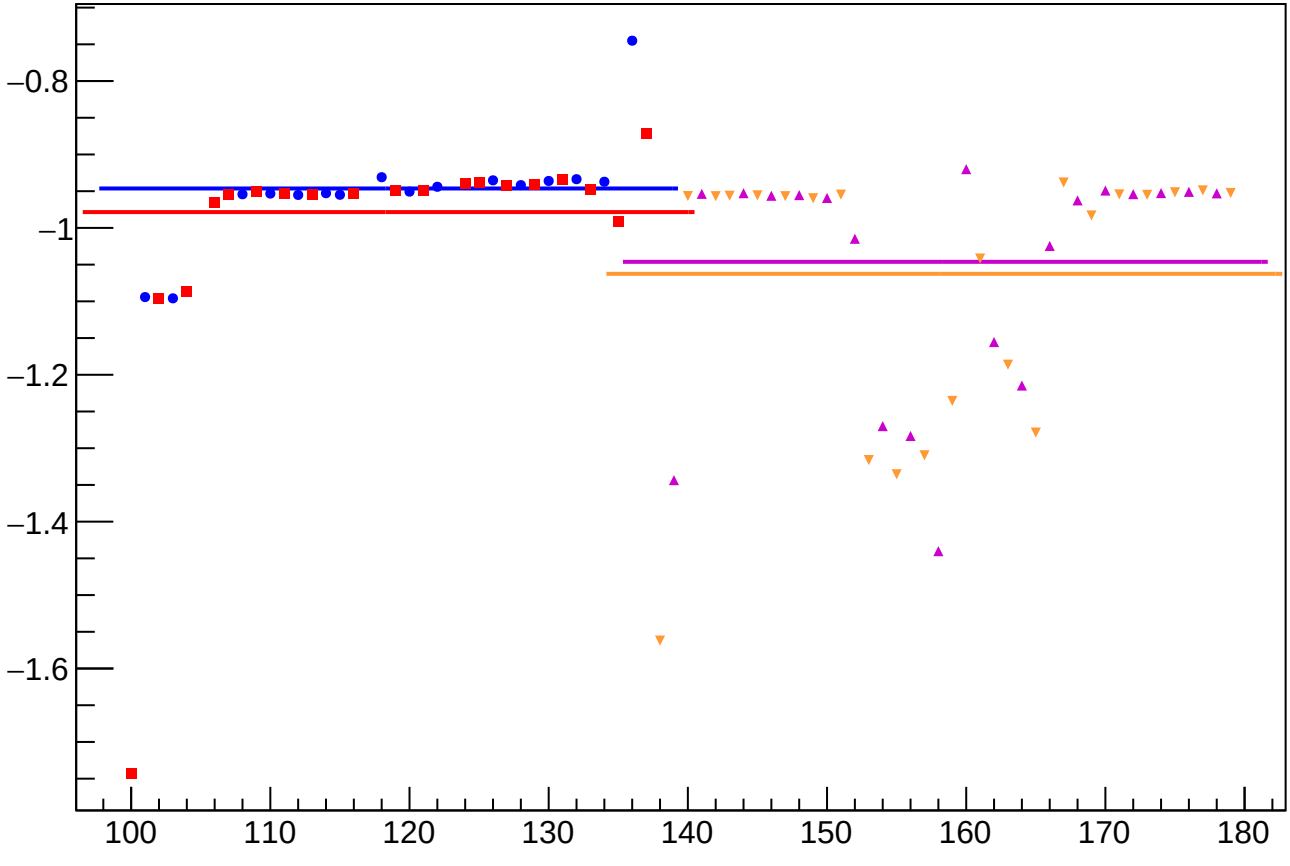
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2259173.5/35

Out: 0.003+/-0.000 χ^2/NDF:3062681.4/40

All: 0.003+/-0.000 χ^2/NDF: 5335695.6/76

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.063+/-0.000 χ^2/NDF:4863855474.5/21

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.046+/-0.000 χ^2/NDF:3753922833.7/19

Left: -1.055+/-0.000 χ^2/NDF: 8639980887.2/41

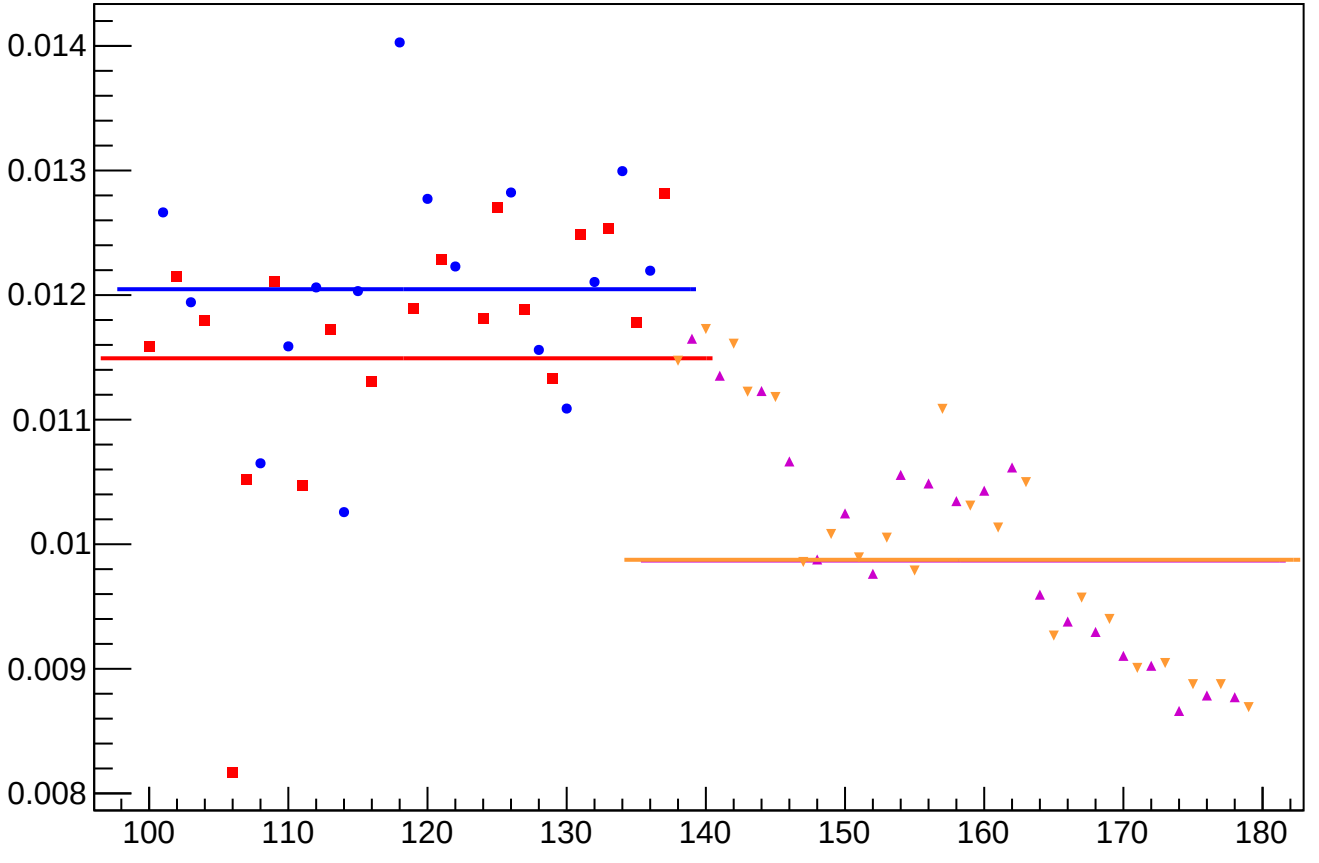
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.023+/-0.000 χ^2/NDF:4523083926.8/35

Out: -1.042+/-0.000 χ^2/NDF:5616174028.8/40

All: -1.033+/-0.000 χ^2/NDF: 10177822437.9/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:267102.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:245483.0/19

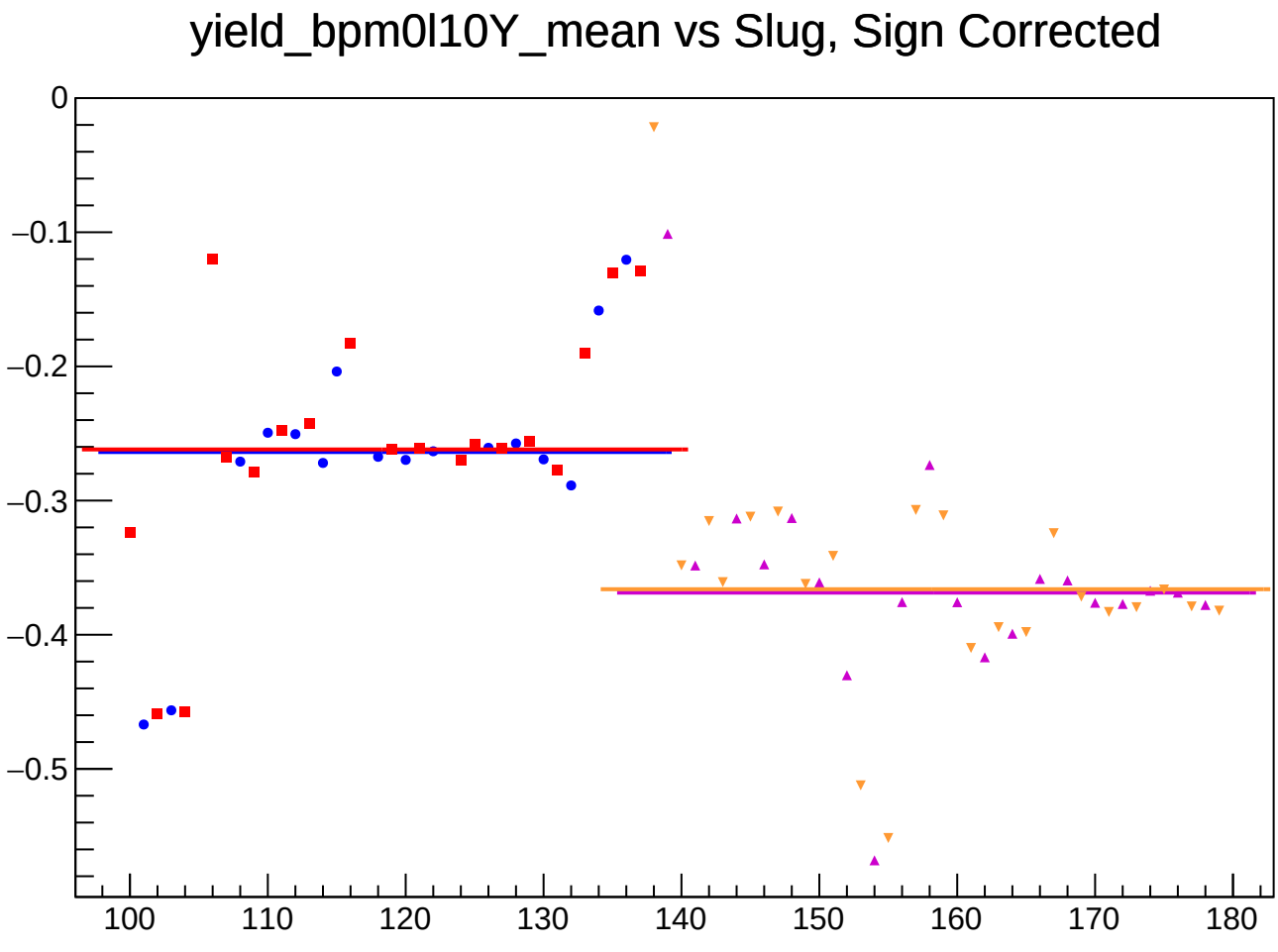
Left: 0.010+/-0.000 χ^2/NDF: 512591.3/41

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

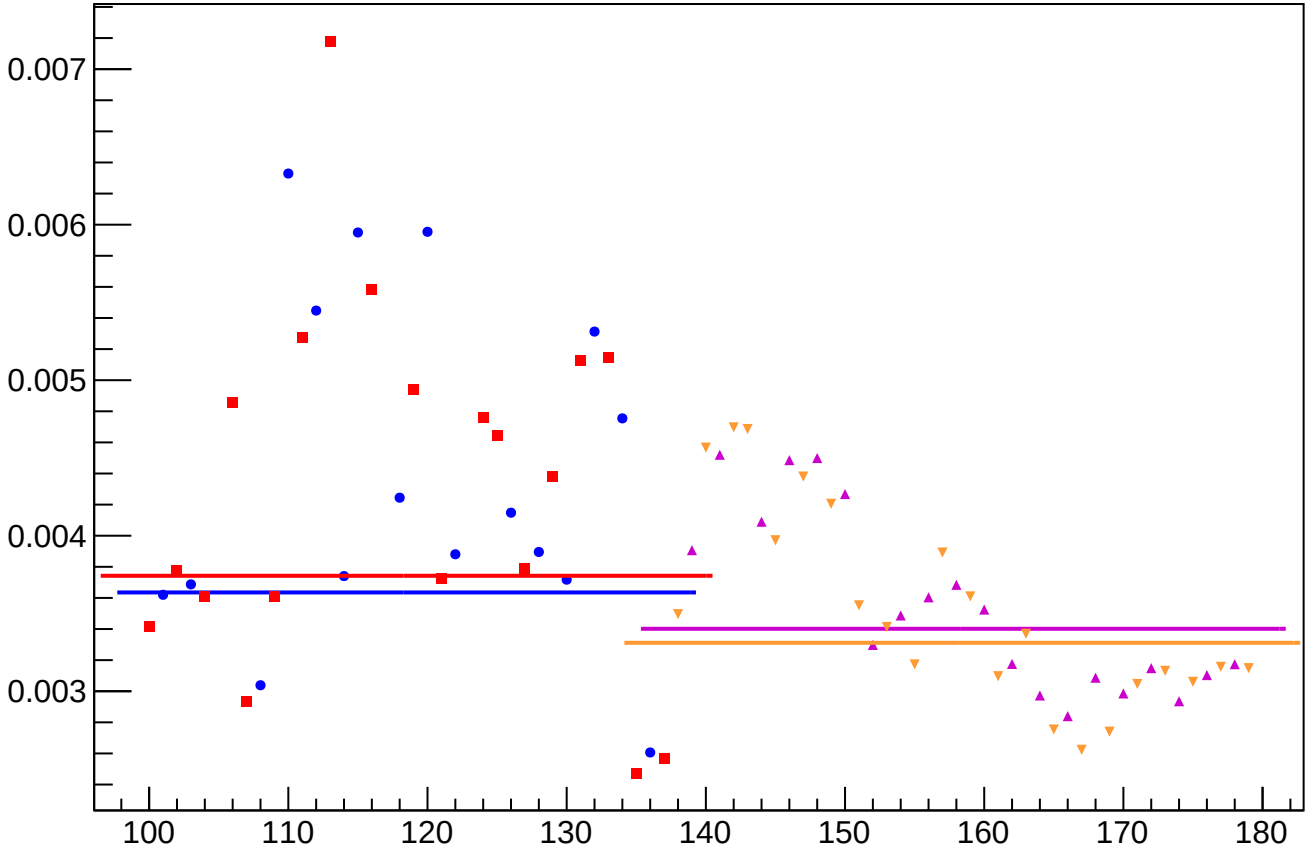
In: 0.010+/-0.000 χ^2/NDF:654817.5/35

Out: 0.010+/-0.000 χ^2/NDF:633814.5/40

All: 0.010+/-0.000 χ^2/NDF: 1290831.2/76


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.366+/-0.000 χ²/NDF:11937706679.0/21
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.369+/-0.000 χ²/NDF:7575215493.1/19
Left: -0.367+/-0.000 χ²/NDF: 19517283942.0/41
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.342+/-0.000 χ²/NDF:17254124628.6/35
Out: -0.342+/-0.000 χ²/NDF:20783467665.4/40
All: -0.342+/-0.000 χ²/NDF: 38037665018.1/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:812192.2/21

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:613009.5/19

Left: 0.003+/-0.000 χ^2/NDF: 1436223.1/41

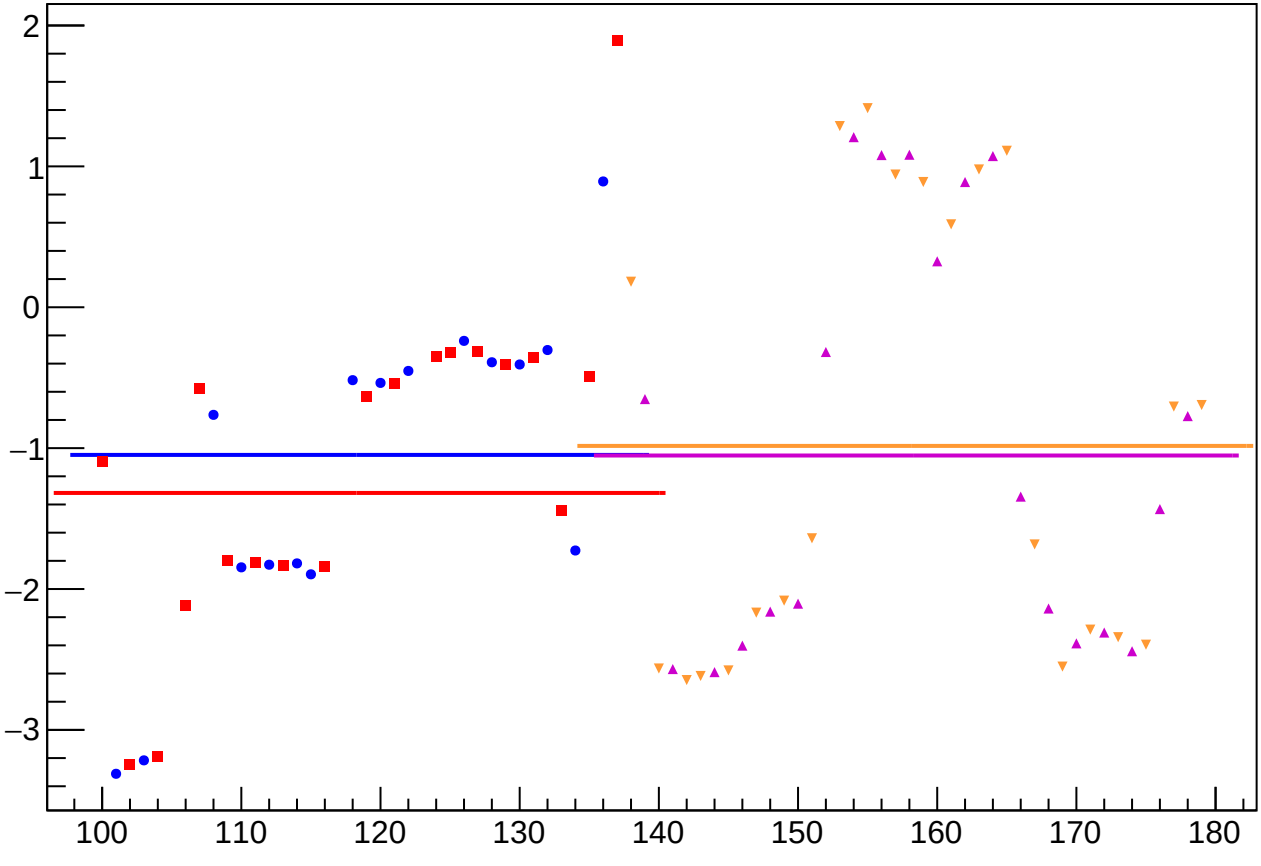
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1377120.8/35

Out: 0.003+/-0.000 χ^2/NDF:1829488.4/40

All: 0.003+/-0.000 χ^2/NDF: 3211245.5/76

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.984+/-0.000 χ^2/NDF:7169899272.1/21

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.052+/-0.000 χ^2/NDF:5827600925.6/19

Left: -1.016+/-0.000 χ^2/NDF: 13004508107.5/41

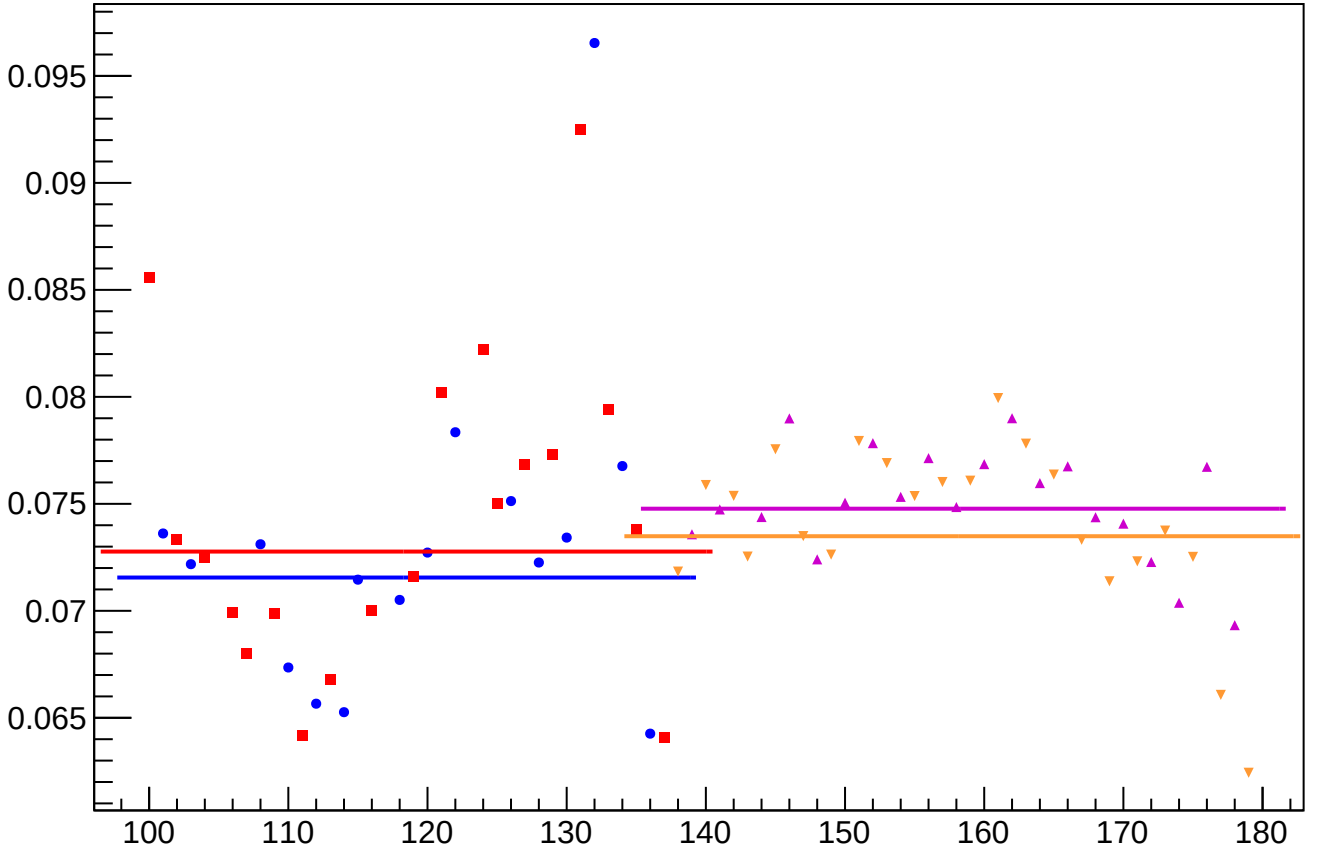
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.051+/-0.000 χ^2/NDF:8174638604.8/35

Out: -1.085+/-0.000 χ^2/NDF:9124741546.3/40

All: -1.068+/-0.000 χ^2/NDF: 17301886038.3/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.073+/-0.000 χ^2/NDF:111785.8/21

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:37423.3/19

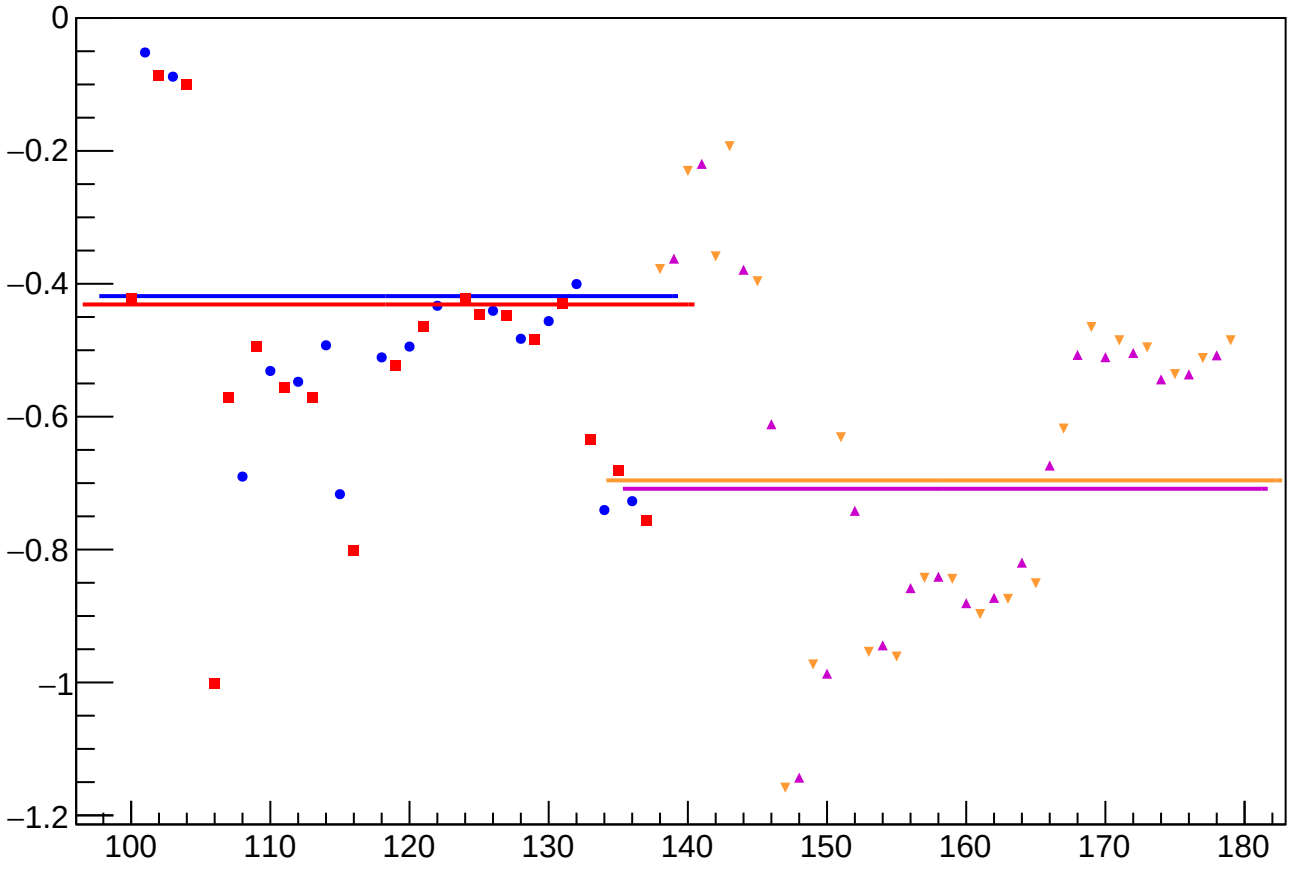
Left: 0.074+/-0.000 χ^2/NDF: 154198.6/41

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:157840.2/35

Out: 0.073+/-0.000 χ^2/NDF:209646.5/40

All: 0.073+/-0.000 χ^2/NDF: 368426.3/76



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.696+/-0.000 χ^2/NDF:20776468124.4/21

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.709+/-0.000 χ^2/NDF:15610724388.4/19

Left: -0.702+/-0.000 χ^2/NDF: 36415684107.4/41

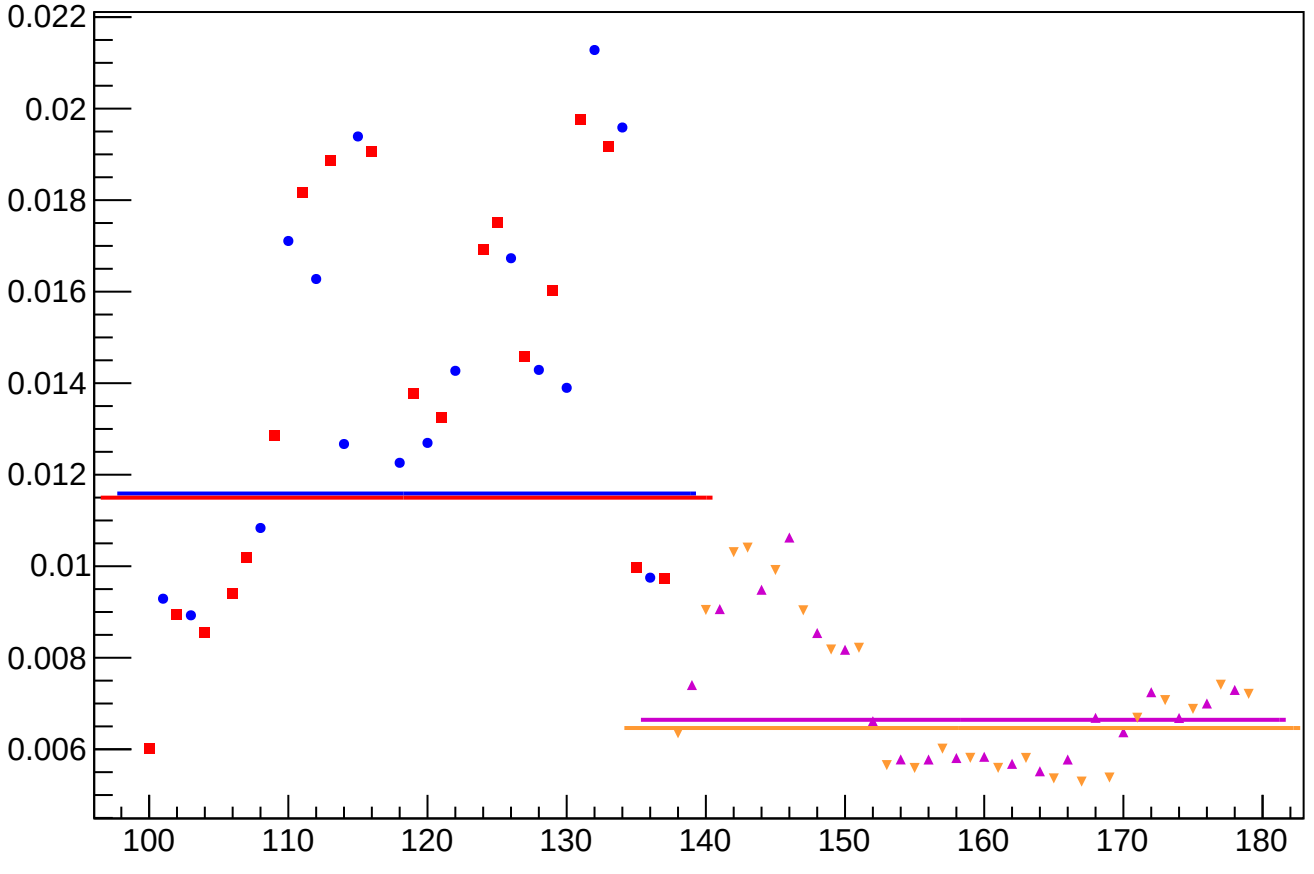
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.675+/-0.000 χ^2/NDF:21980639899.0/35

Out: -0.668+/-0.000 χ^2/NDF:26818485201.0/40

All: -0.671+/-0.000 χ^2/NDF: 48809477403.3/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1286269.1/21

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:906566.6/19

Left: 0.007+/-0.000 χ^2/NDF: 2204325.4/41

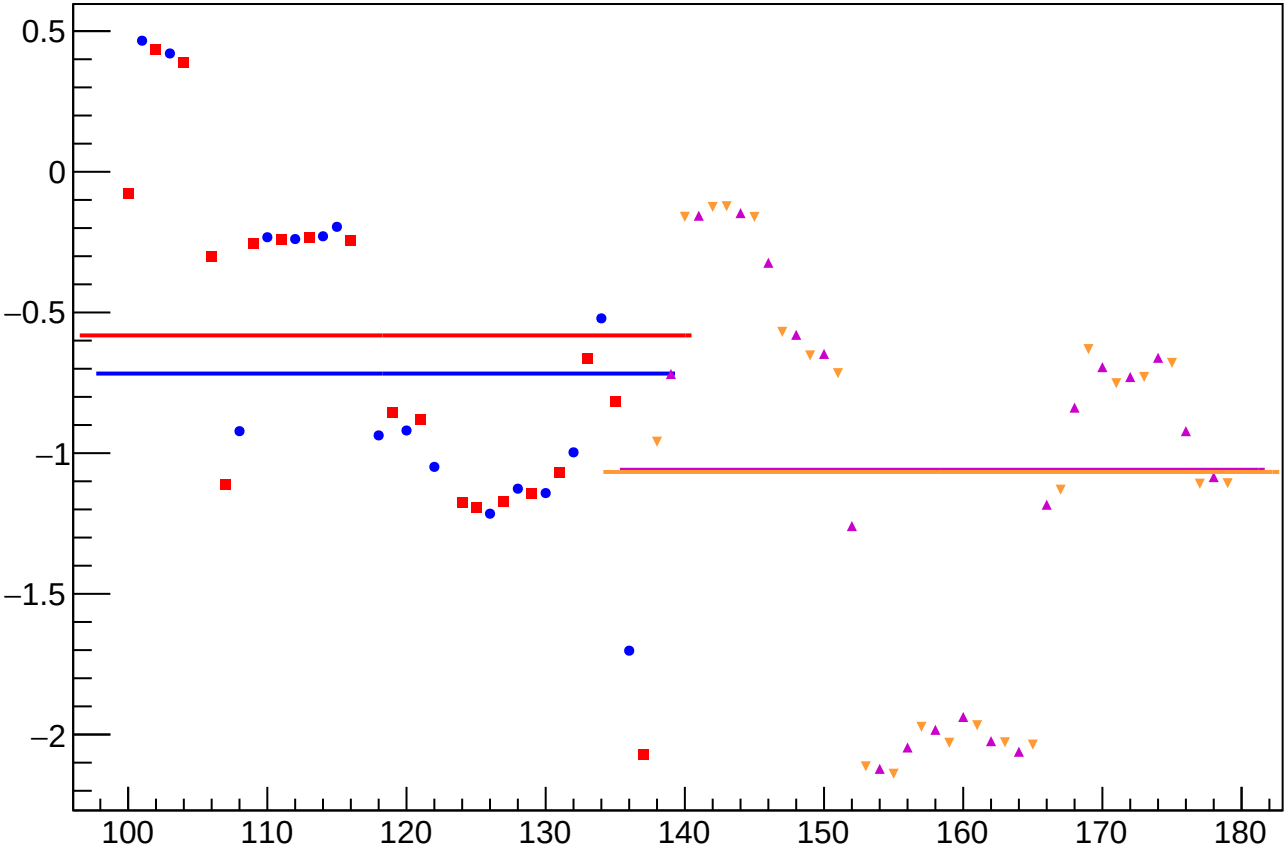
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3611057.8/35

Out: 0.007+/-0.000 χ^2/NDF:4507877.5/40

All: 0.007+/-0.000 χ^2/NDF: 8137875.9/76

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.067+/-0.000 χ^2/NDF:1148253290.0/21

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.059+/-0.000 χ^2/NDF:973003210.7/19

Left: -1.063+/-0.000 χ^2/NDF: 2121325698.5/41

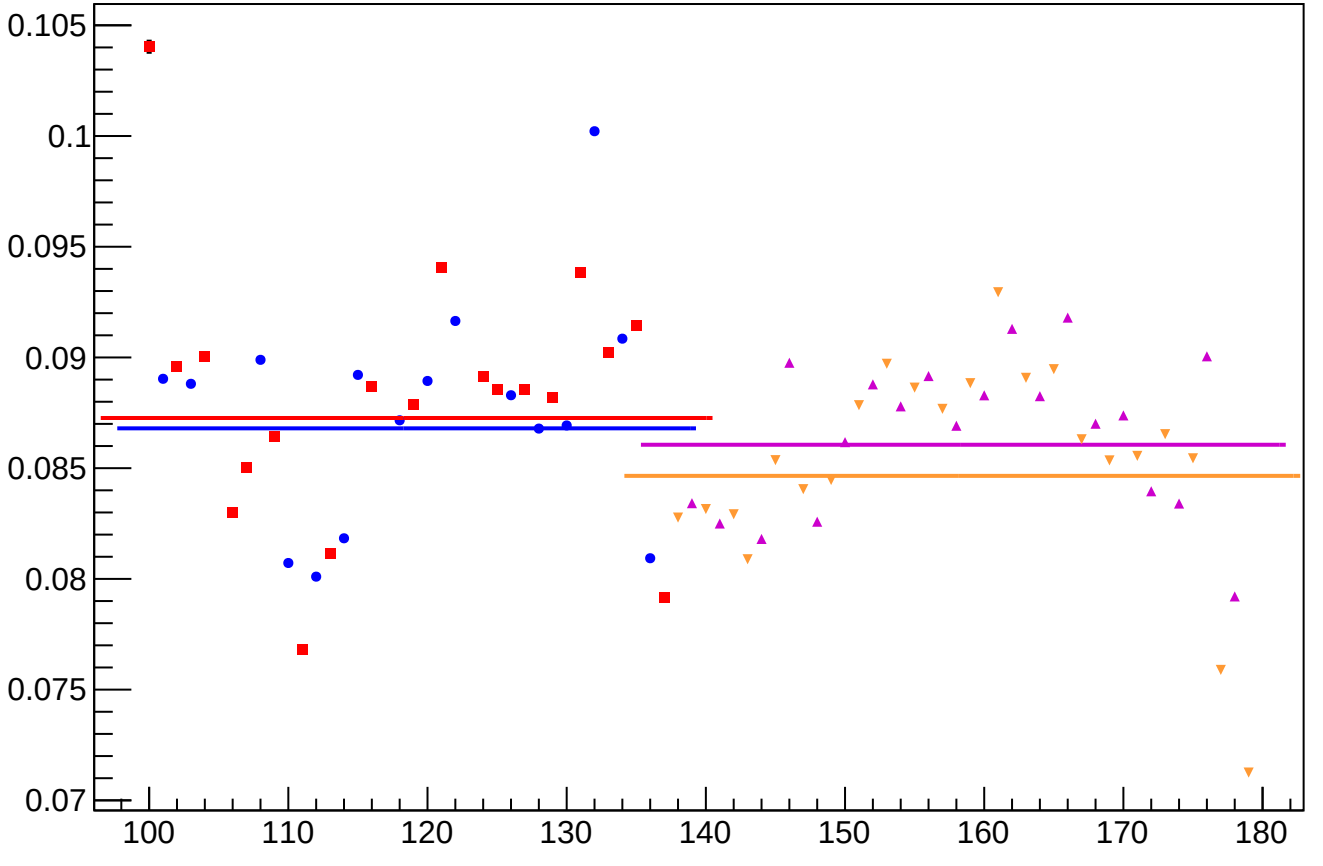
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.955+/-0.000 χ^2/NDF:1487990654.1/35

Out: -0.927+/-0.000 χ^2/NDF:1654243339.2/40

All: -0.941+/-0.000 χ^2/NDF: 3143530965.2/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:122988.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:49479.5/19

Left: 0.085+/-0.000 χ^2/NDF: 177002.1/41

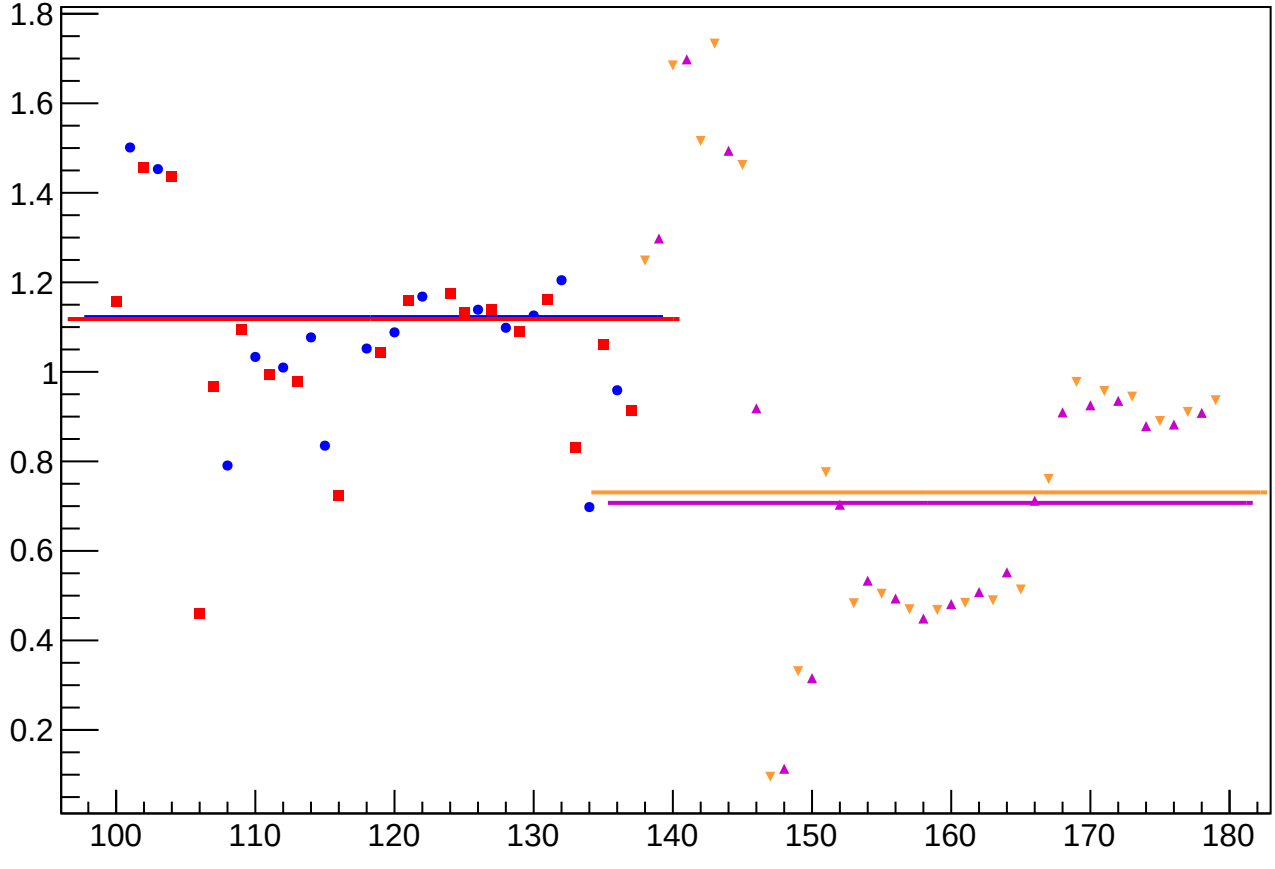
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:93783.4/35

Out: 0.085+/-0.000 χ^2/NDF:178660.6/40

All: 0.086+/-0.000 χ^2/NDF: 274956.1/76

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.731+/-0.000 χ^2/NDF:31990585208.7/21

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.707+/-0.000 χ^2/NDF:24867417490.5/19

Left: 0.720+/-0.000 χ^2/NDF: 56923931767.1/41

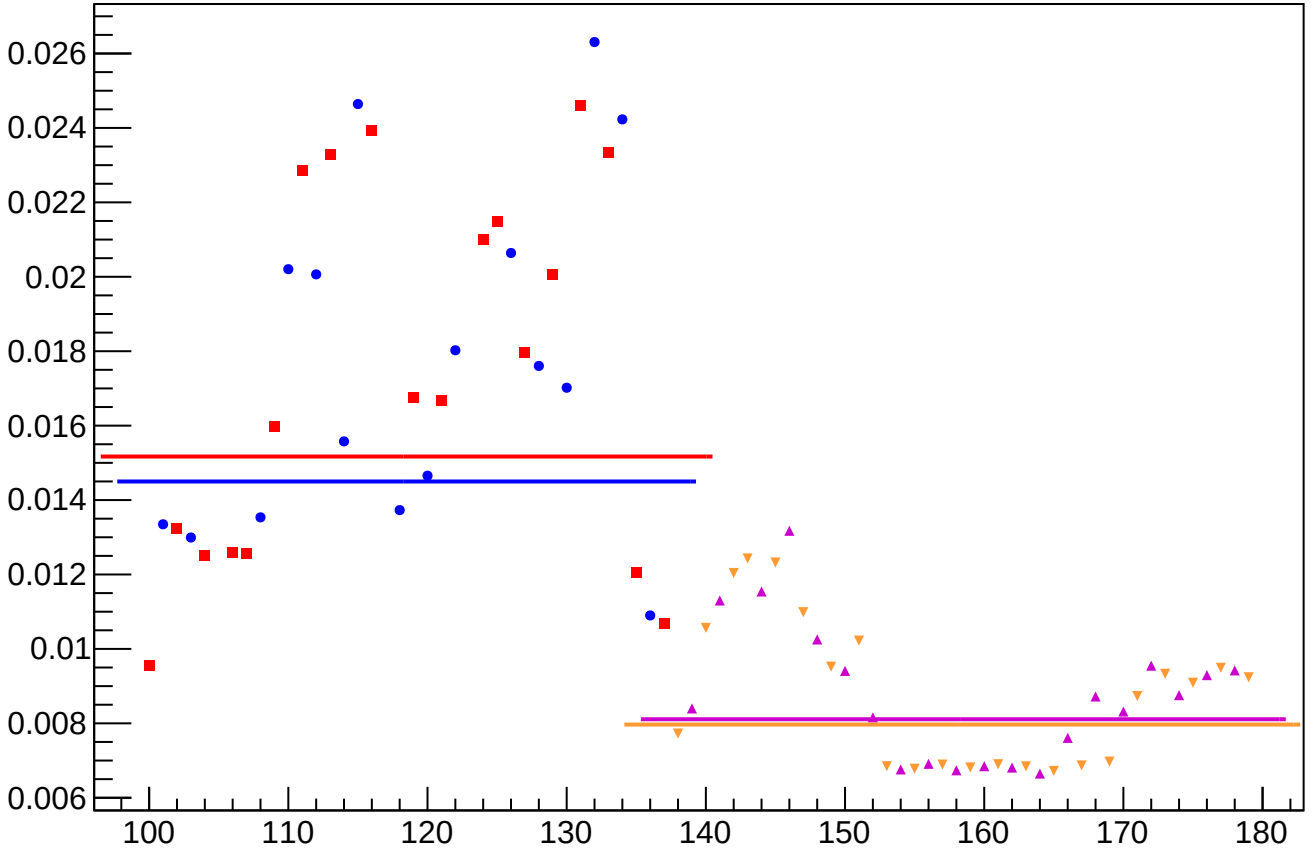
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.753+/-0.000 χ^2/NDF:30671855883.3/35

Out: 0.768+/-0.000 χ^2/NDF:37178295762.2/40

All: 0.761+/-0.000 χ^2/NDF: 67877249196.8/7

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1298114.8/21

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1061507.0/19

Left: 0.008+/-0.000 χ^2/NDF: 2364531.4/41

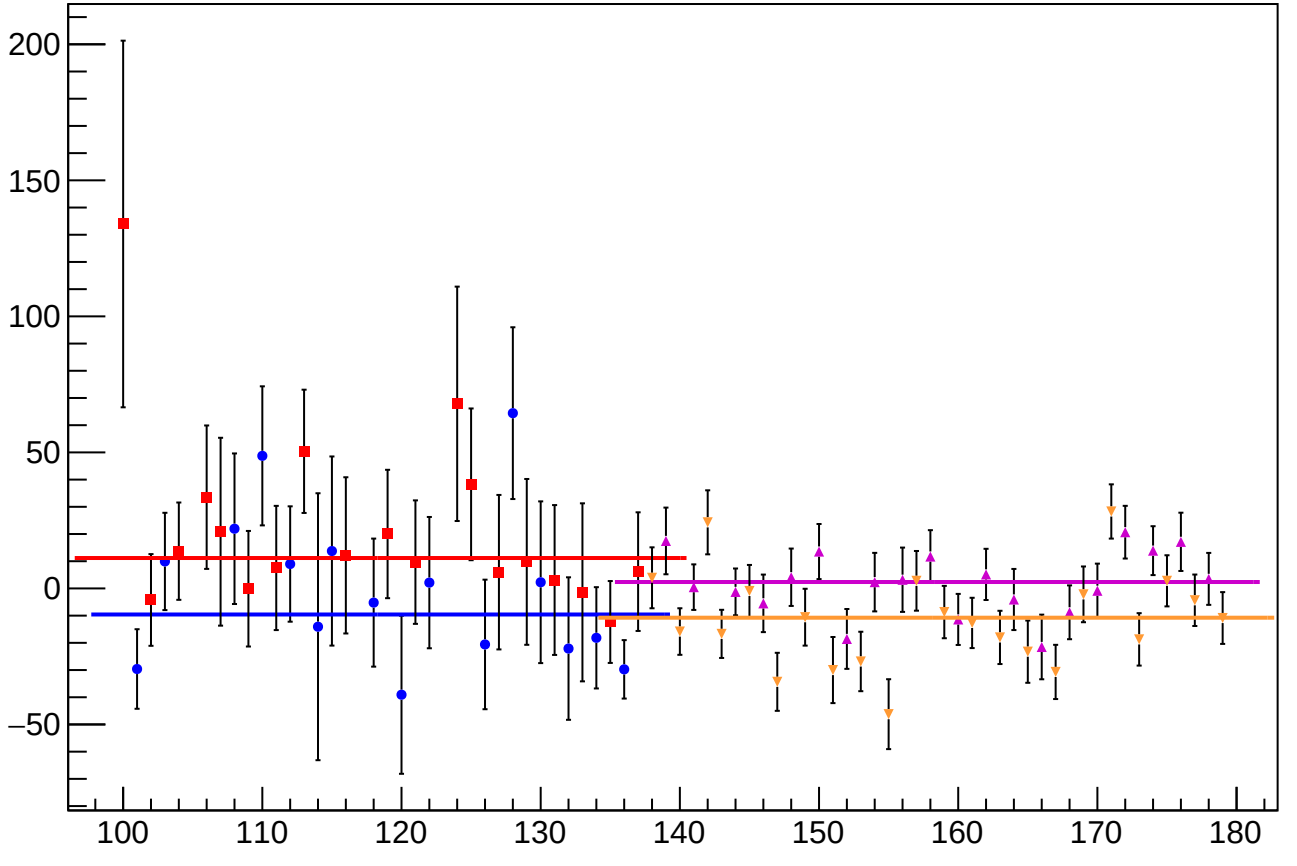
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3832821.7/35

Out: 0.009+/-0.000 χ^2/NDF:4665083.2/40

All: 0.009+/-0.000 χ^2/NDF: 8505337.2/76

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.763+/-2.159 χ^2/NDF:56.2/21

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 2.358+/-2.250 χ^2/NDF:23.2/19

Left: -4.474+/-1.558 χ^2/NDF: 97.2/41

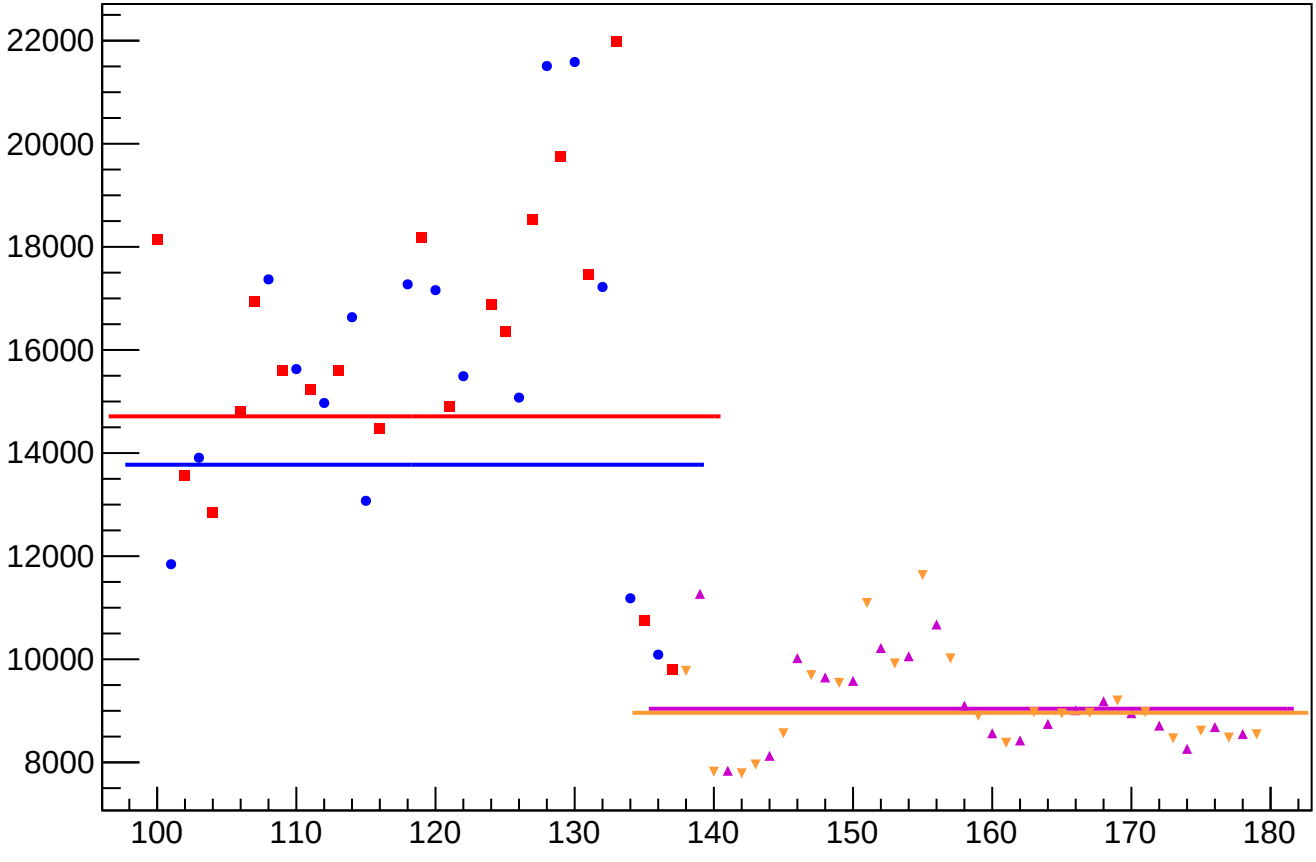
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: 0.529+/-2.071 χ^2/NDF:49.5/35

Out: -7.831+/-2.009 χ^2/NDF:83.9/40

All: -3.776+/-1.442 χ^2/NDF: 141.8/76

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8961.717+/-1.527 χ^2/NDF:318734.4/21

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9040.245+/-1.591 χ^2/NDF:279112.5/19

Left: 8999.357+/-1.102 χ^2/NDF: 599115.3/41

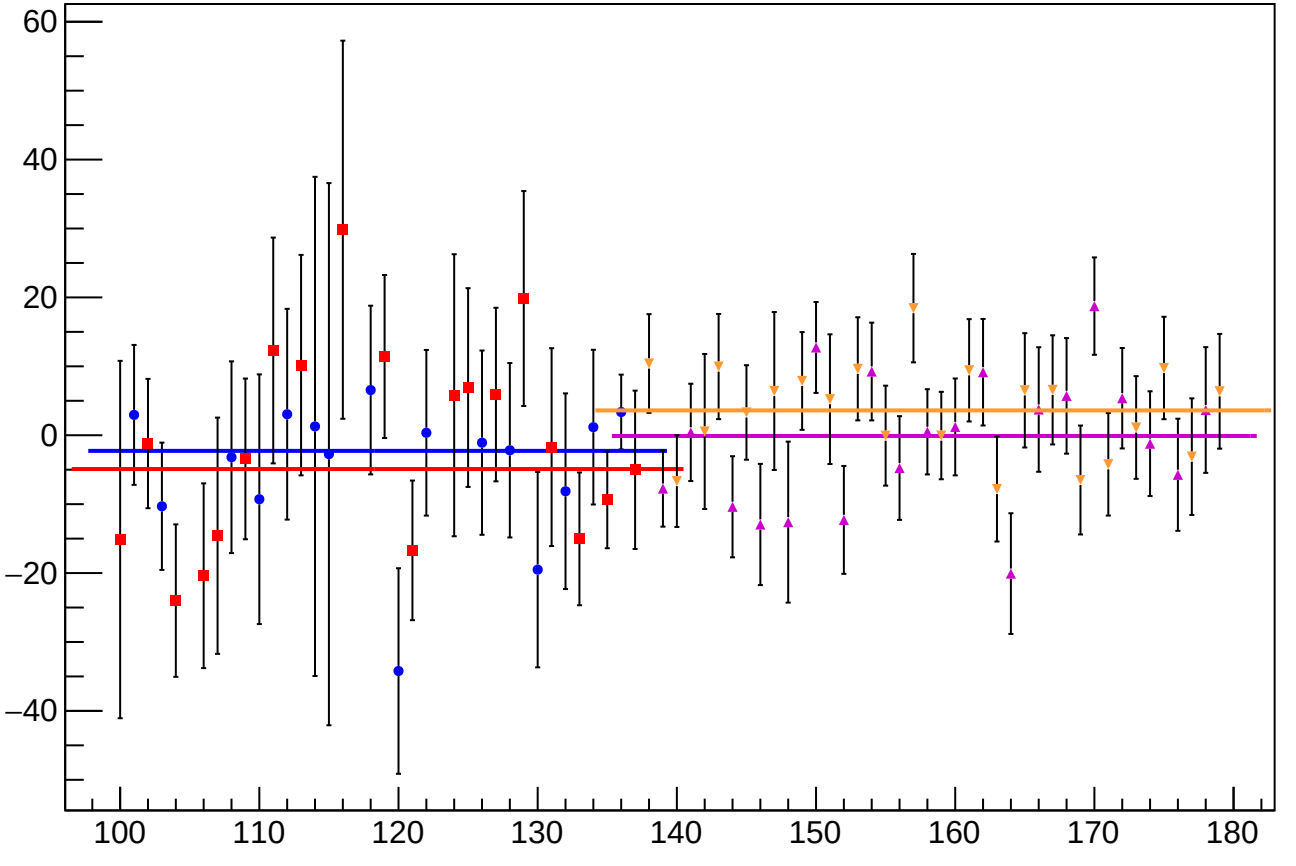
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9765.261+/-1.464 χ^2/NDF:2382502.6/35

Out: 9730.096+/-1.421 χ^2/NDF:2772176.4/40

All: 9747.152+/-1.020 χ^2/NDF: 5154976.1/76

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.607+/-1.645 χ^2/NDF:16.7/21

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -0.107+/-1.680 χ^2/NDF:31.2/19

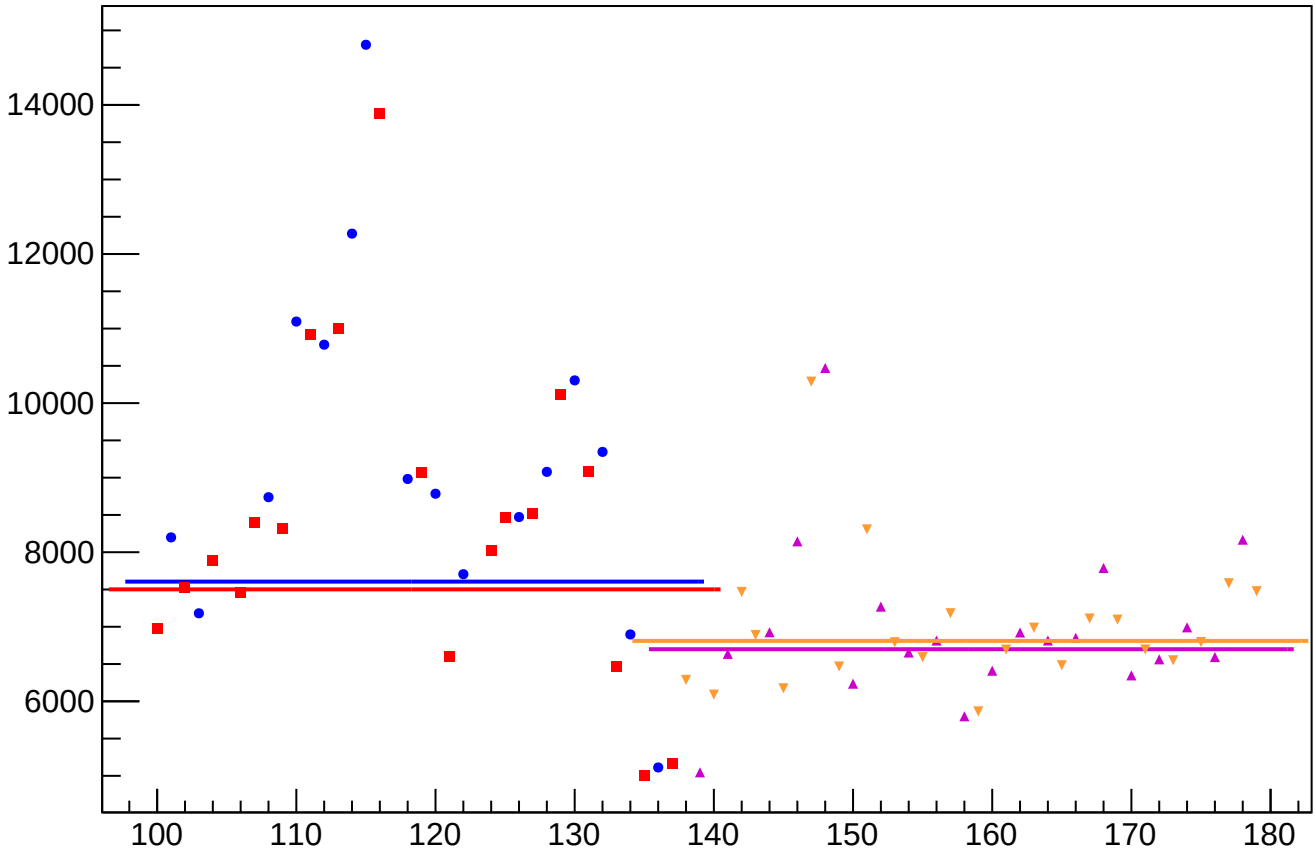
Left: 1.789+/-1.175 χ^2/NDF: 50.4/41

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.643+/-1.456 χ^2/NDF:40.9/35

Out: 1.464+/-1.423 χ^2/NDF:41.0/40

All: 0.435+/-1.018 χ^2/NDF: 83.0/76



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6810.384+/-1.163 χ^2/NDF:391129.2/21

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6698.608+/-1.188 χ^2/NDF:607711.6/19

Left: 6755.659+/-0.831 χ^2/NDF: 1003361.8/41

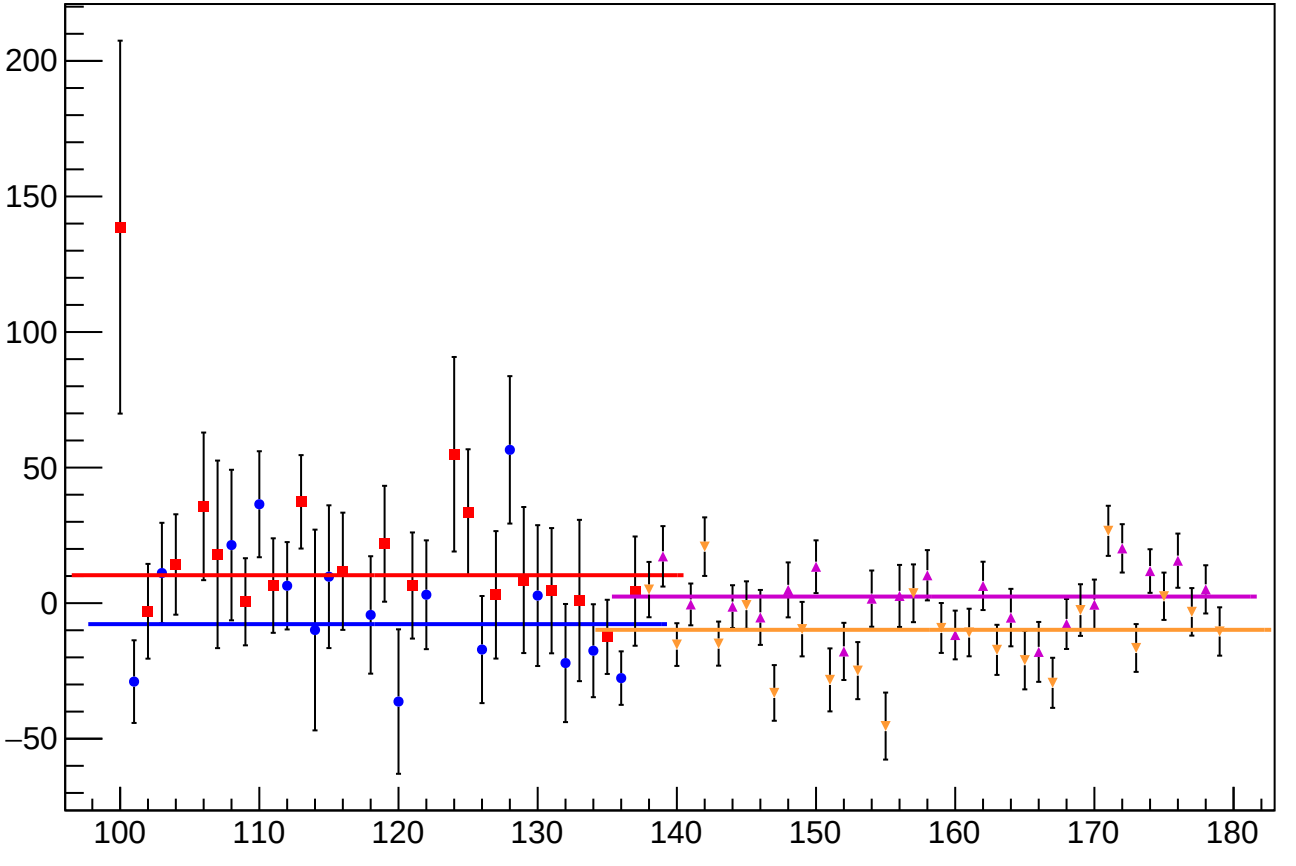
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6923.877+/-1.030 χ^2/NDF:1644076.7/35

Out: 6984.381+/-1.006 χ^2/NDF:1303568.4/40

All: 6954.827+/-0.720 χ^2/NDF: 2949411.3/76

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.836+/-2.021 χ^2/NDF:57.3/21

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 2.428+/-2.109 χ^2/NDF:23.6/19

Left: -3.966+/-1.459 χ^2/NDF: 98.5/41

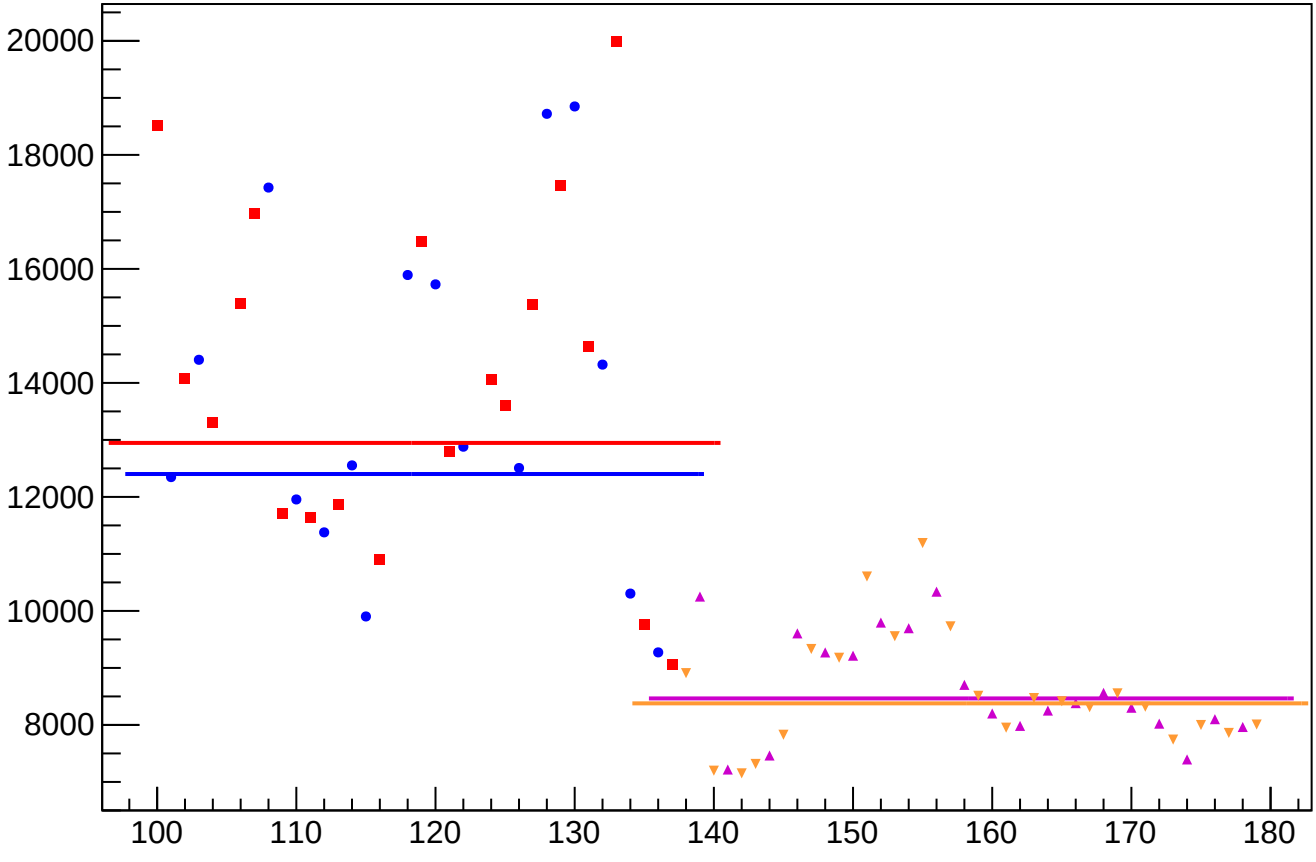
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.752+/-1.928 χ^2/NDF:50.1/35

Out: -6.845+/-1.865 χ^2/NDF:85.9/40

All: -3.172+/-1.340 χ^2/NDF: 144.0/76

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8378.452+/-1.429 χ^2/NDF:413137.0/21

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8465.033+/-1.492 χ^2/NDF:359444.2/19

Left: 8419.896+/-1.032 χ^2/NDF: 774337.7/41

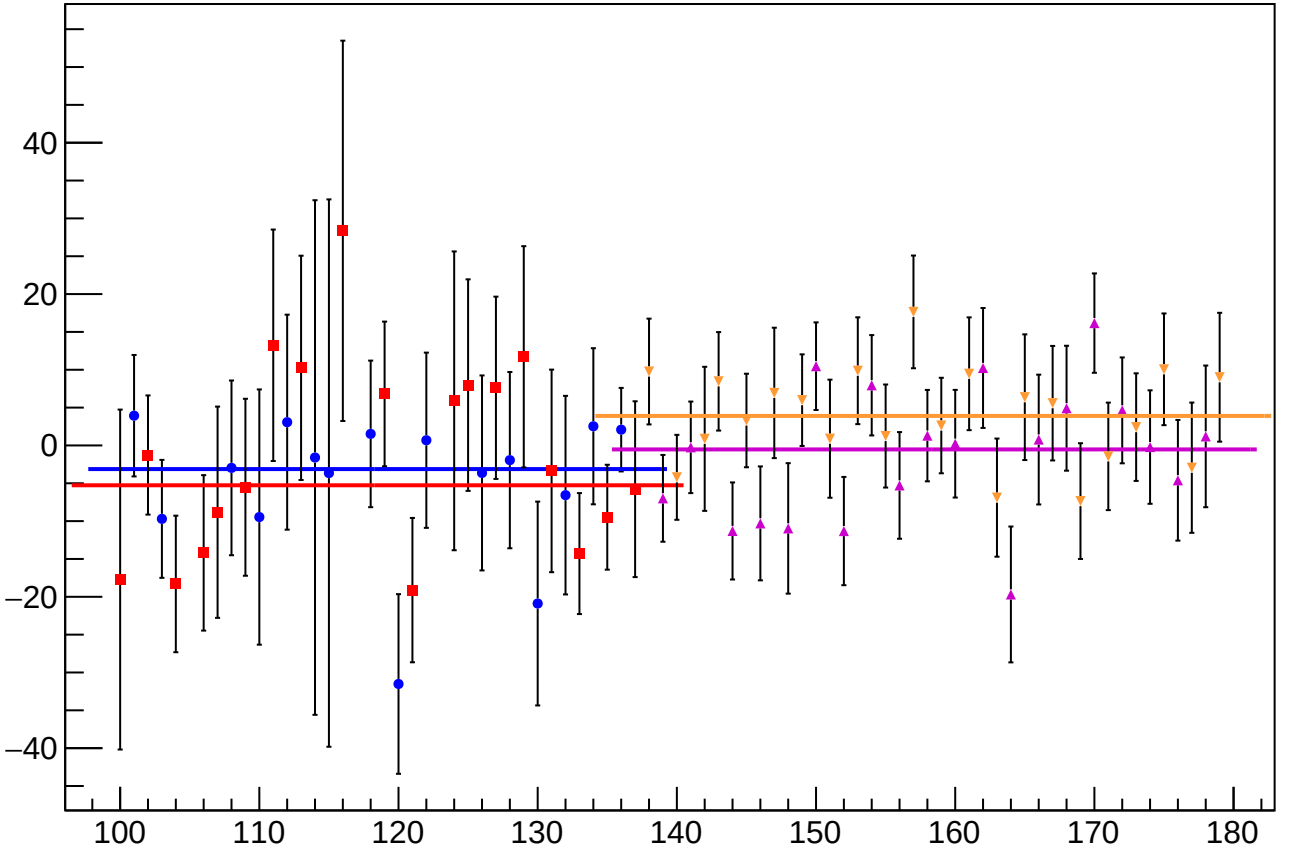
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9113.934+/-1.363 χ^2/NDF:2185975.1/35

Out: 9057.024+/-1.319 χ^2/NDF:2485974.6/40

All: 9084.541+/-0.948 χ^2/NDF: 4672849.9/76

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.900+/-1.536 χ^2/NDF:15.2/21

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.526+/-1.585 χ^2/NDF:29.5/19

Left: 1.757+/-1.103 χ^2/NDF: 48.7/41

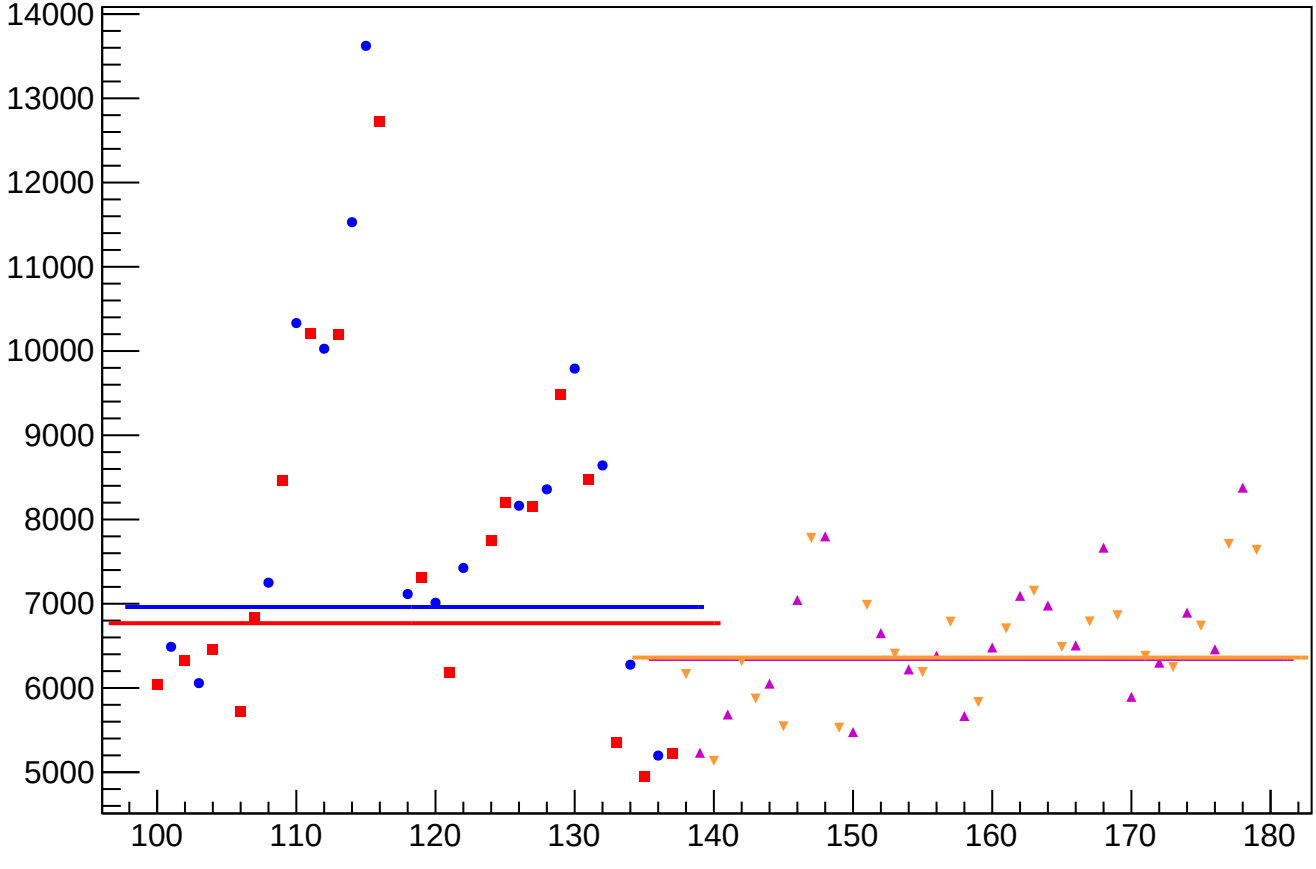
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.208+/-1.361 χ^2/NDF:41.1/35

Out: 1.465+/-1.316 χ^2/NDF:41.6/40

All: 0.173+/-0.946 χ^2/NDF: 84.6/76

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6361.121+/-1.086 χ^2/NDF:410498.7/21

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6344.712+/-1.121 χ^2/NDF:447845.7/19

Left: 6353.176+/-0.780 χ^2/NDF: 858455.0/41

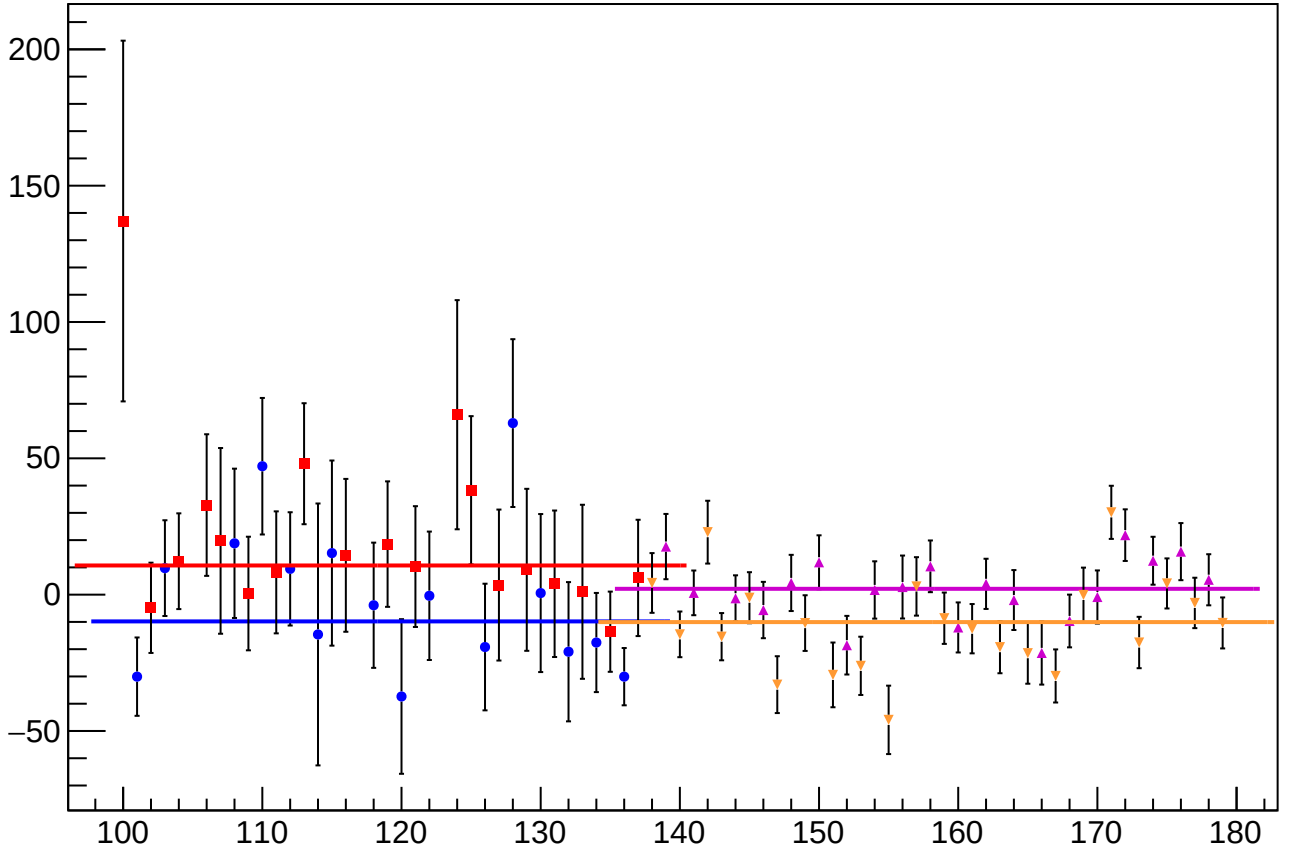
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6506.802+/-0.963 χ^2/NDF:1223820.2/35

Out: 6469.519+/-0.931 χ^2/NDF:1246083.2/40

All: 6487.533+/-0.669 χ^2/NDF: 2470678.8/76

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.062+/-2.112 χ^2/NDF:58.7/21

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 2.142+/-2.200 χ^2/NDF:23.7/19

Left: -4.212+/-1.524 χ^2/NDF: 98.4/41

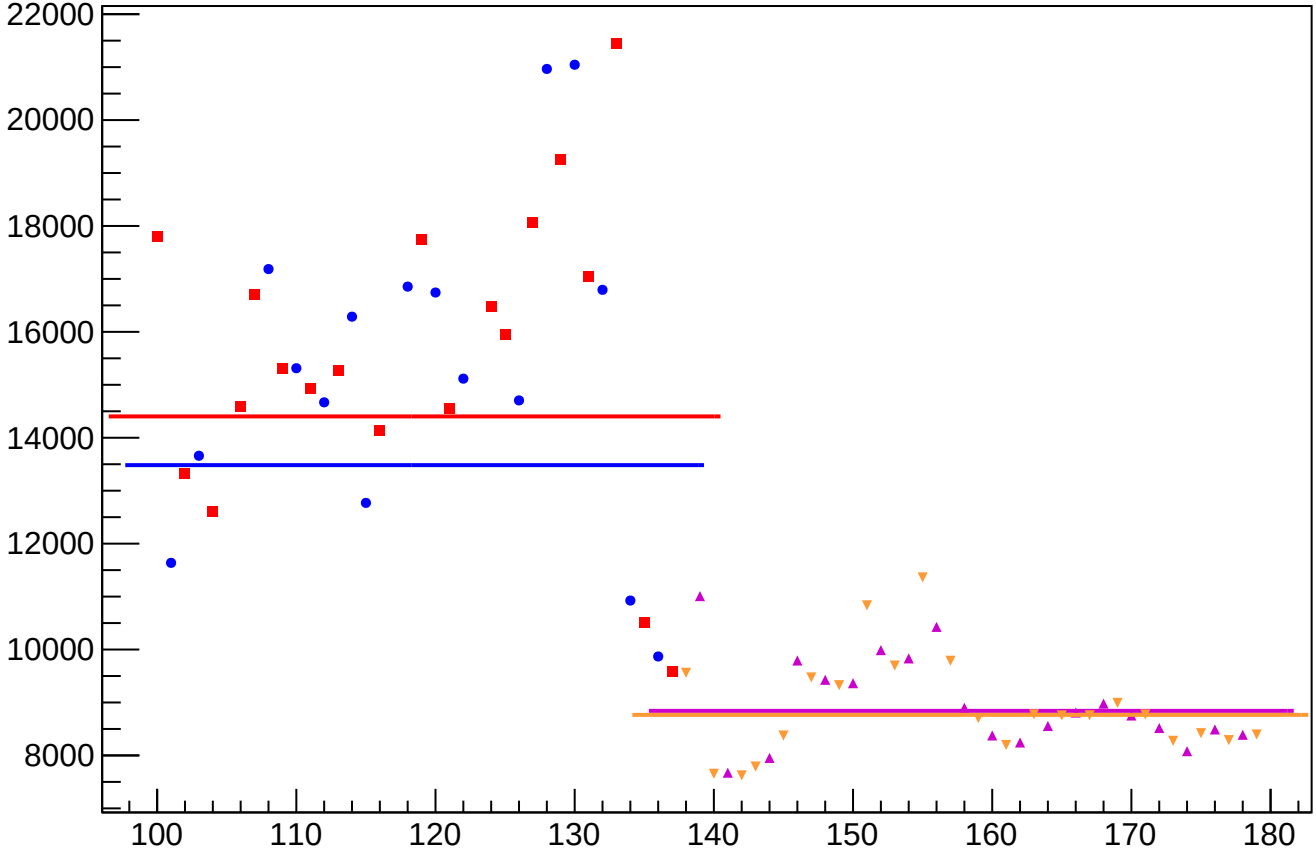
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: 0.313+/-2.025 χ^2/NDF:50.2/35

Out: -7.291+/-1.966 χ^2/NDF:85.9/40

All: -3.602+/-1.410 χ^2/NDF: 143.4/76

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8766.096+/-1.493 χ^2/NDF:315061.5/21

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8841.734+/-1.556 χ^2/NDF:275569.7/19

Left: 8802.356+/-1.077 χ^2/NDF: 591861.5/41

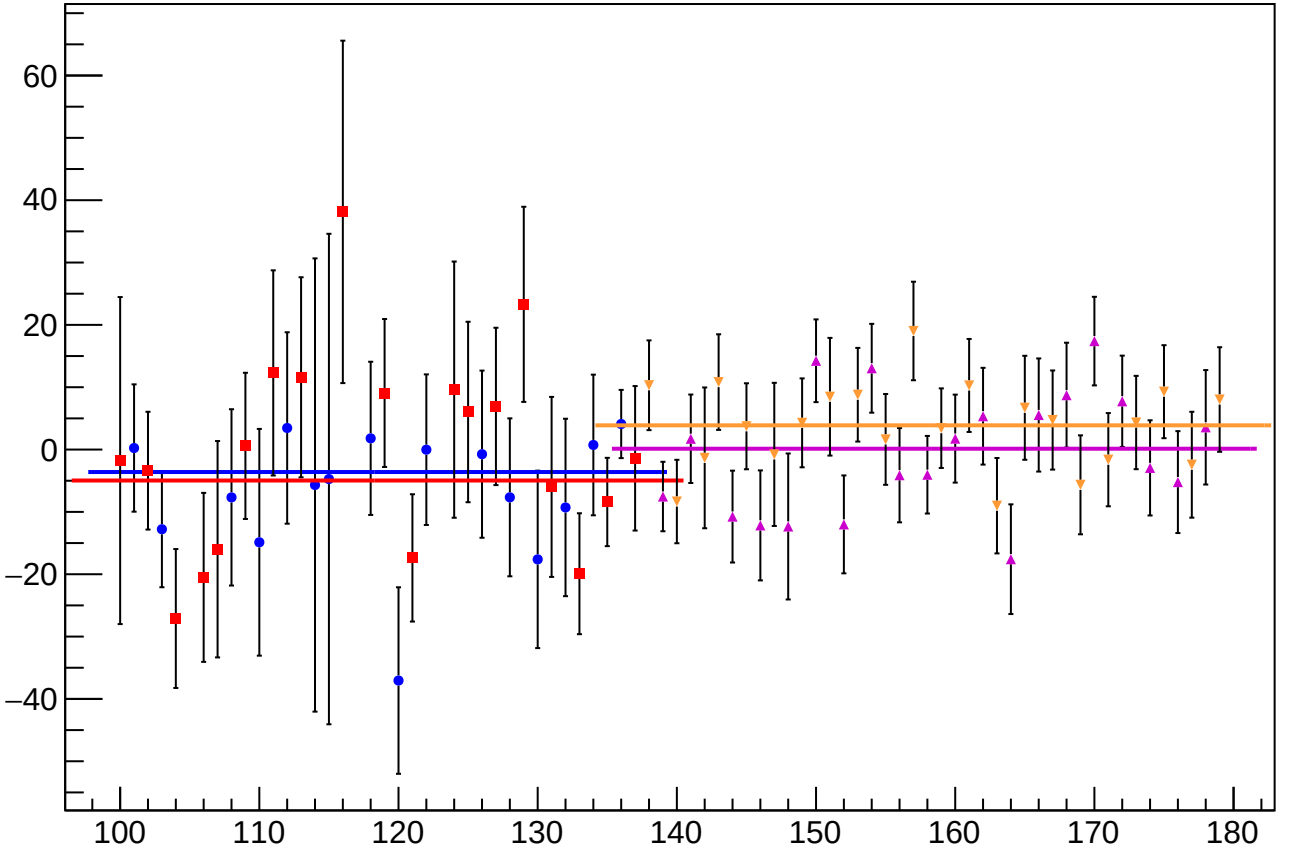
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9551.661+/-1.432 χ^2/NDF:2380242.8/35

Out: 9518.303+/-1.390 χ^2/NDF:2769421.7/40

All: 9534.484+/-0.997 χ^2/NDF: 5149943.9/76

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.885+/-1.653 χ^2/NDF:16.8/21

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.134+/-1.688 χ^2/NDF:31.8/19

Left: 2.049+/-1.181 χ^2/NDF: 51.1/41

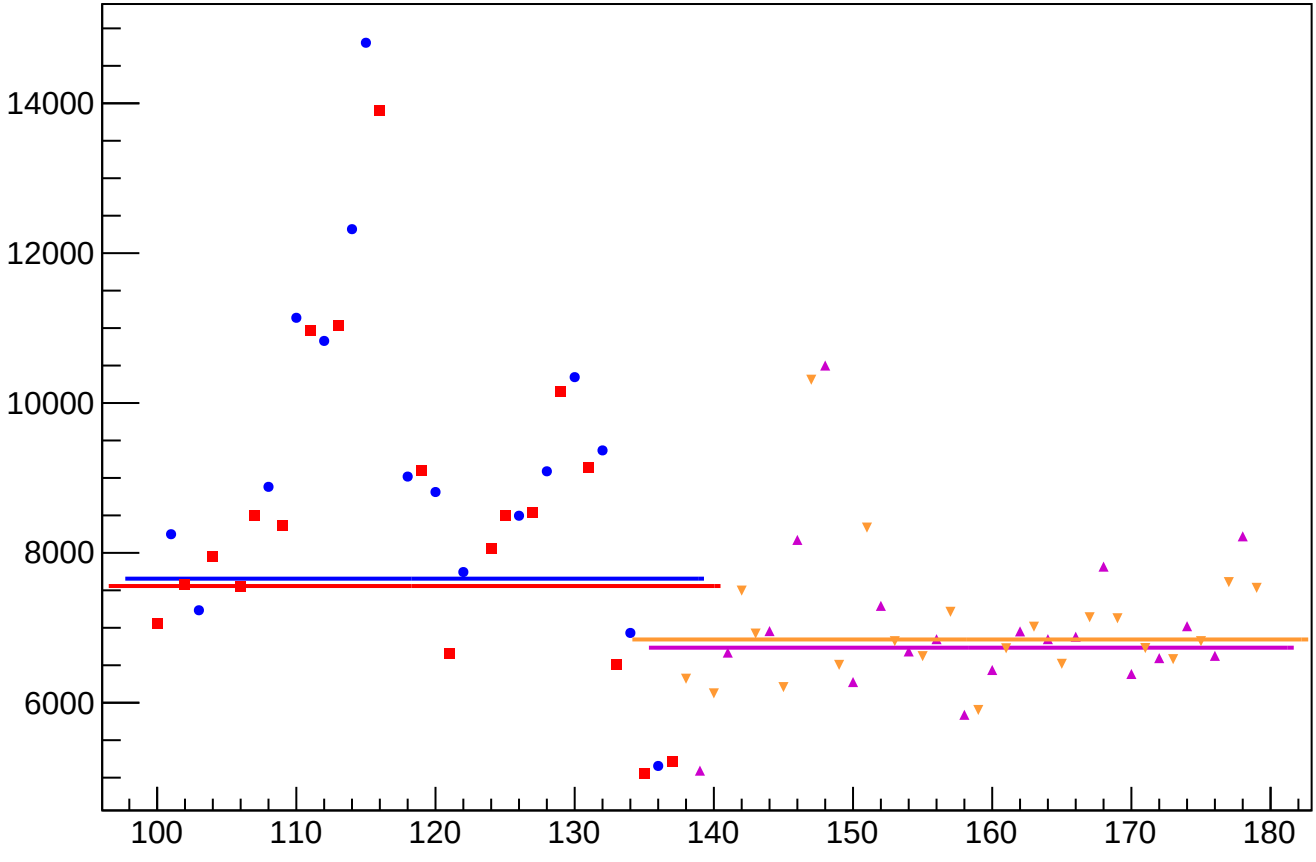
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.794+/-1.464 χ^2/NDF:43.5/35

Out: 1.663+/-1.431 χ^2/NDF:45.3/40

All: 0.463+/-1.023 χ^2/NDF: 90.3/76

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6844.271+/-1.169 χ^2/NDF:386714.5/21

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6734.449+/-1.194 χ^2/NDF:597347.2/19

Left: 6790.519+/-0.835 χ^2/NDF: 988382.9/41

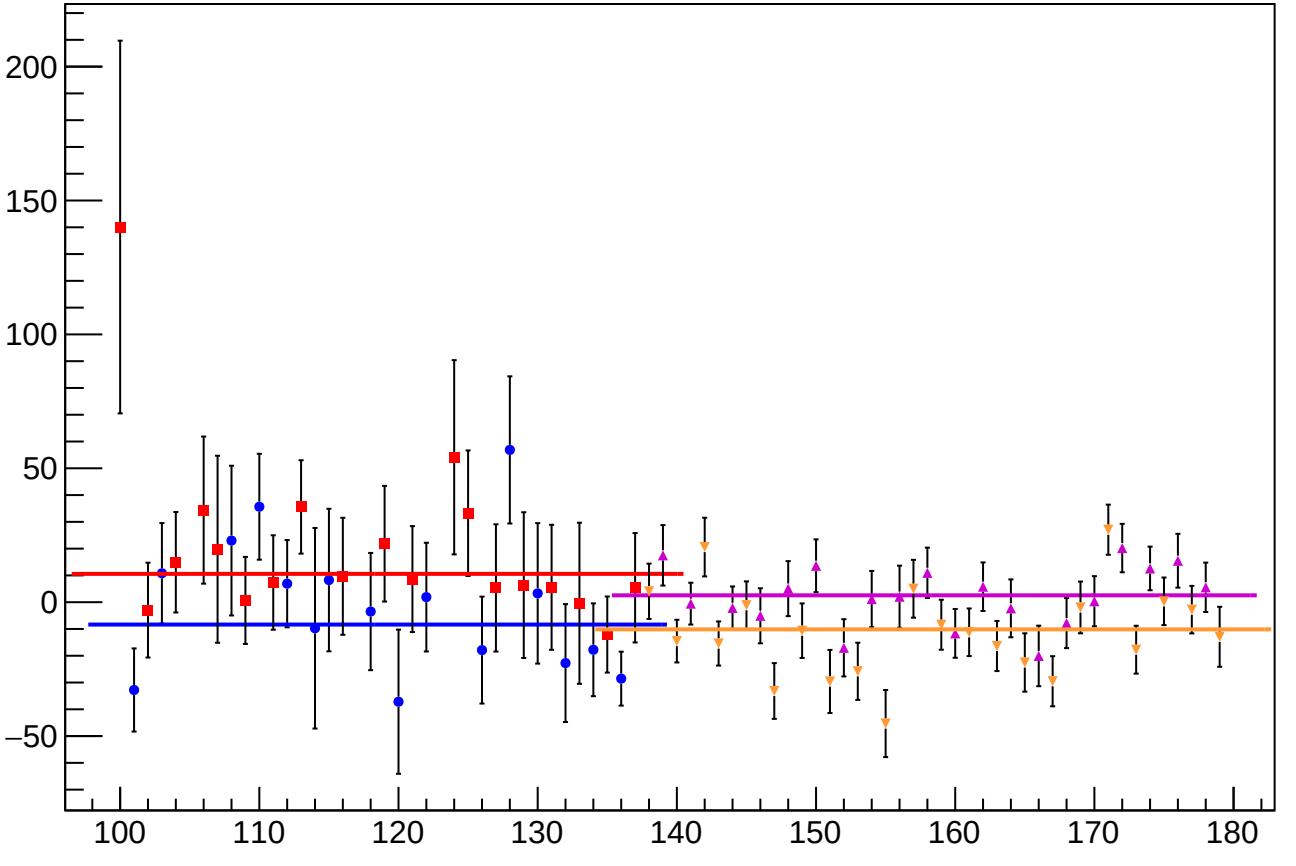
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6962.930+/-1.035 χ^2/NDF:1624852.1/35

Out: 7023.284+/-1.012 χ^2/NDF:1290035.6/40

All: 6993.805+/-0.723 χ^2/NDF: 2916626.5/76

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.150+/-2.067 χ^2/NDF:56.6/21

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 2.565+/-2.141 χ^2/NDF:23.4/19

Left: -4.017+/-1.487 χ^2/NDF: 98.3/41

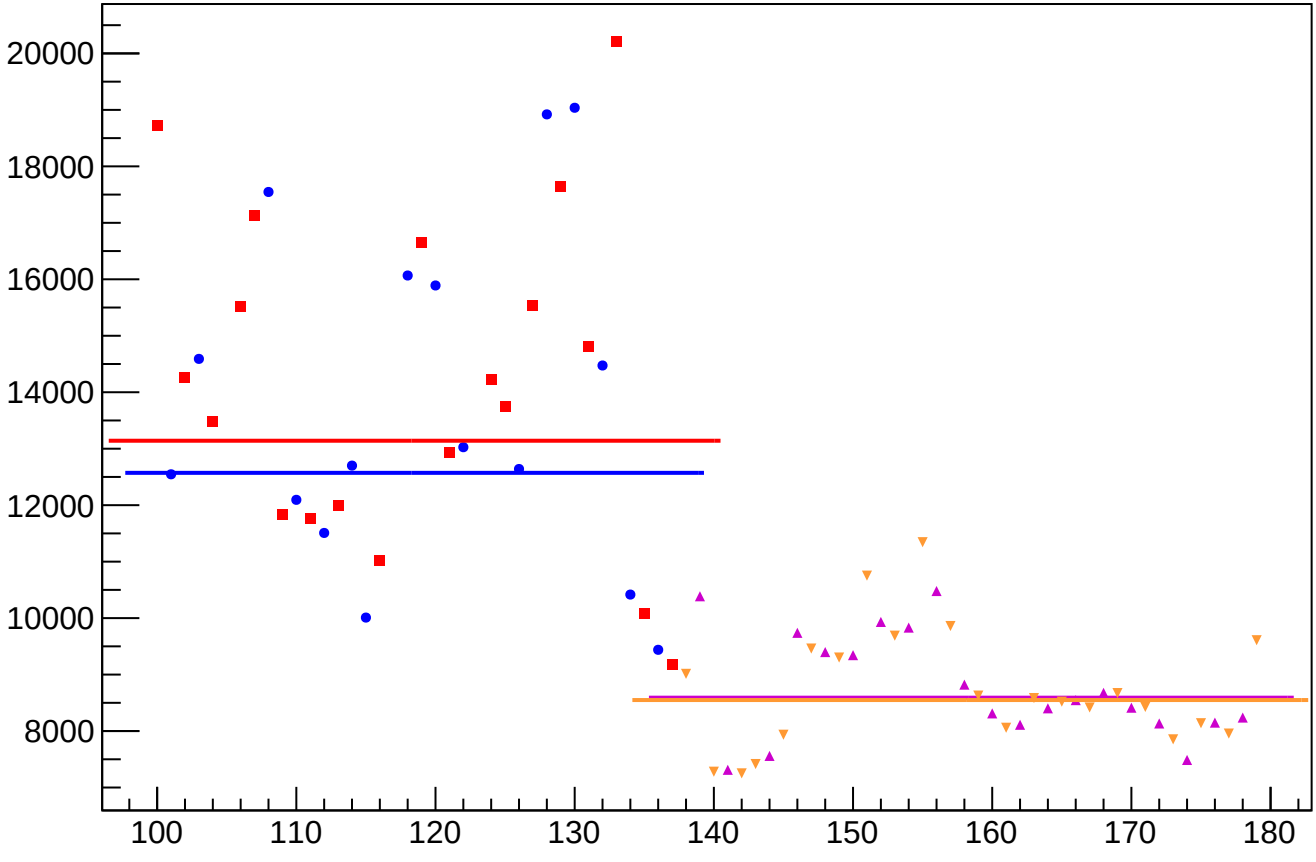
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: 0.761+/-1.957 χ^2/NDF:51.0/35

Out: -7.031+/-1.905 χ^2/NDF:84.6/40

All: -3.238+/-1.365 χ^2/NDF: 143.7/76

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8549.100+/-1.462 χ^2/NDF:428832.4/21

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8591.090+/-1.514 χ^2/NDF:357450.7/19

Left: 8569.355+/-1.052 χ^2/NDF: 786681.2/41

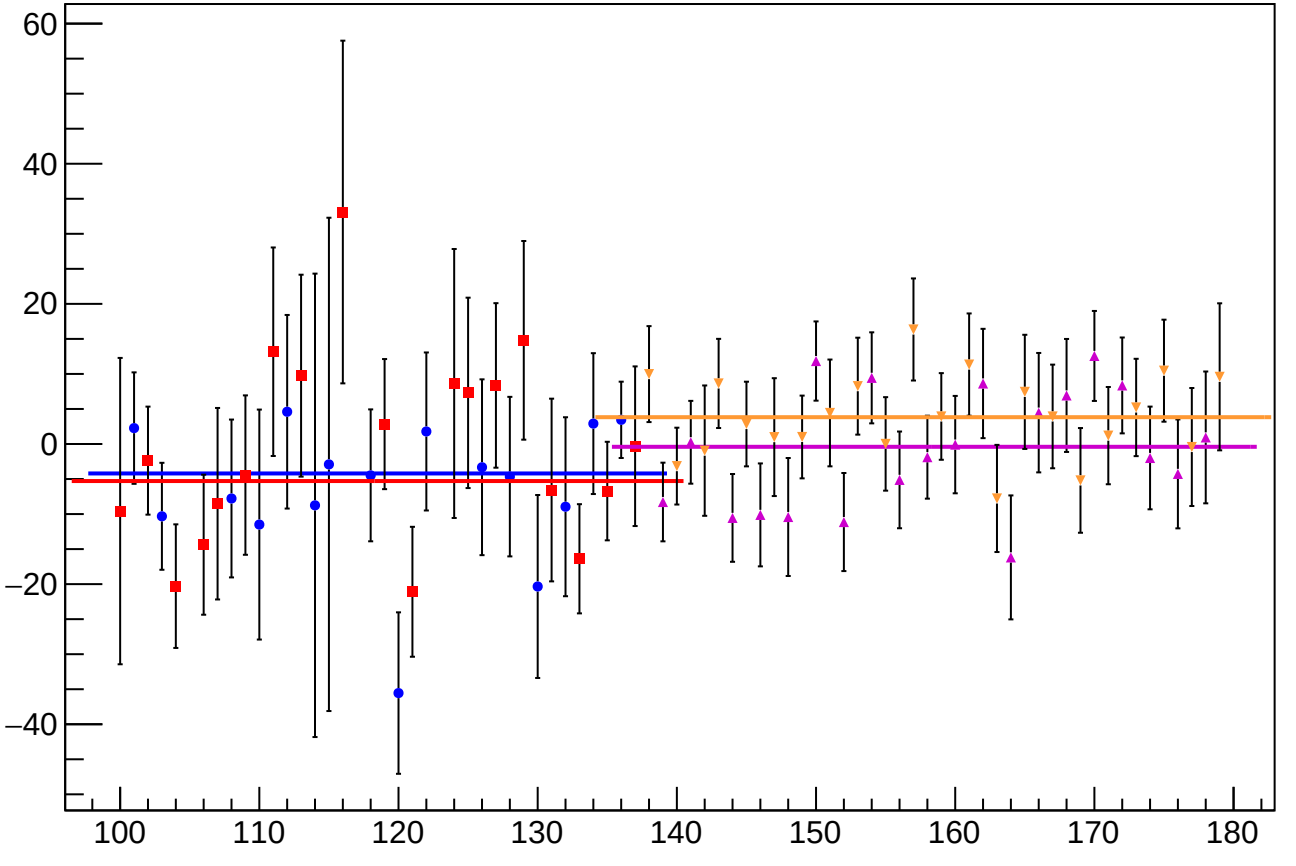
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9248.836+/-1.383 χ^2/NDF:2164667.5/35

Out: 9240.324+/-1.347 χ^2/NDF:2449108.8/40

All: 9244.467+/-0.965 χ^2/NDF: 4613795.7/76

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.826+/-1.512 χ^2/NDF:13.9/21

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.400+/-1.553 χ^2/NDF:29.4/19

Left: 1.769+/-1.083 χ^2/NDF: 47.1/41

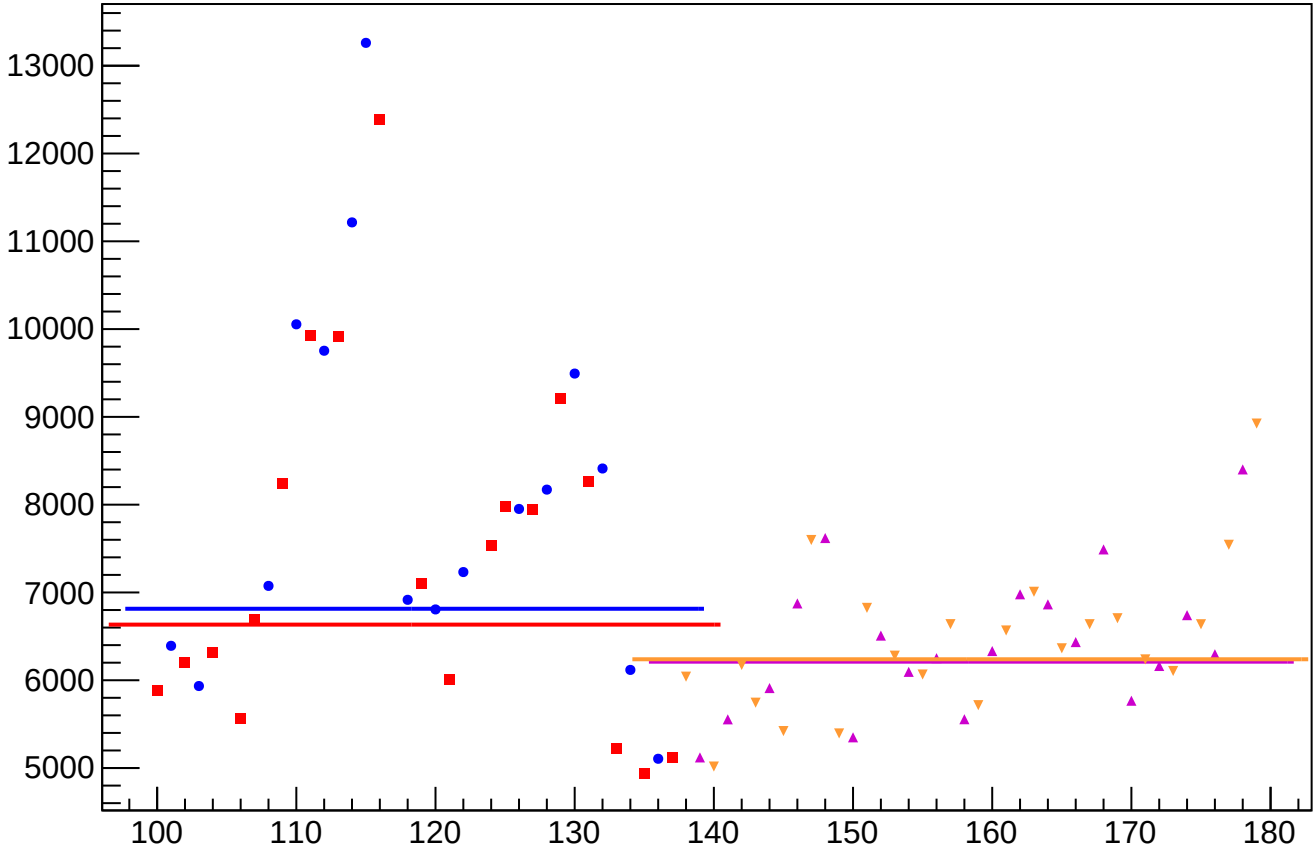
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.400+/-1.333 χ^2/NDF:44.8/35

Out: 1.388+/-1.294 χ^2/NDF:43.4/40

All: 0.035+/-0.929 χ^2/NDF: 90.4/76

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6238.939+/-1.069 χ^2/NDF:500568.0/21

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6211.603+/-1.098 χ^2/NDF:463632.1/19

Left: 6225.636+/-0.766 χ^2/NDF: 964518.1/41

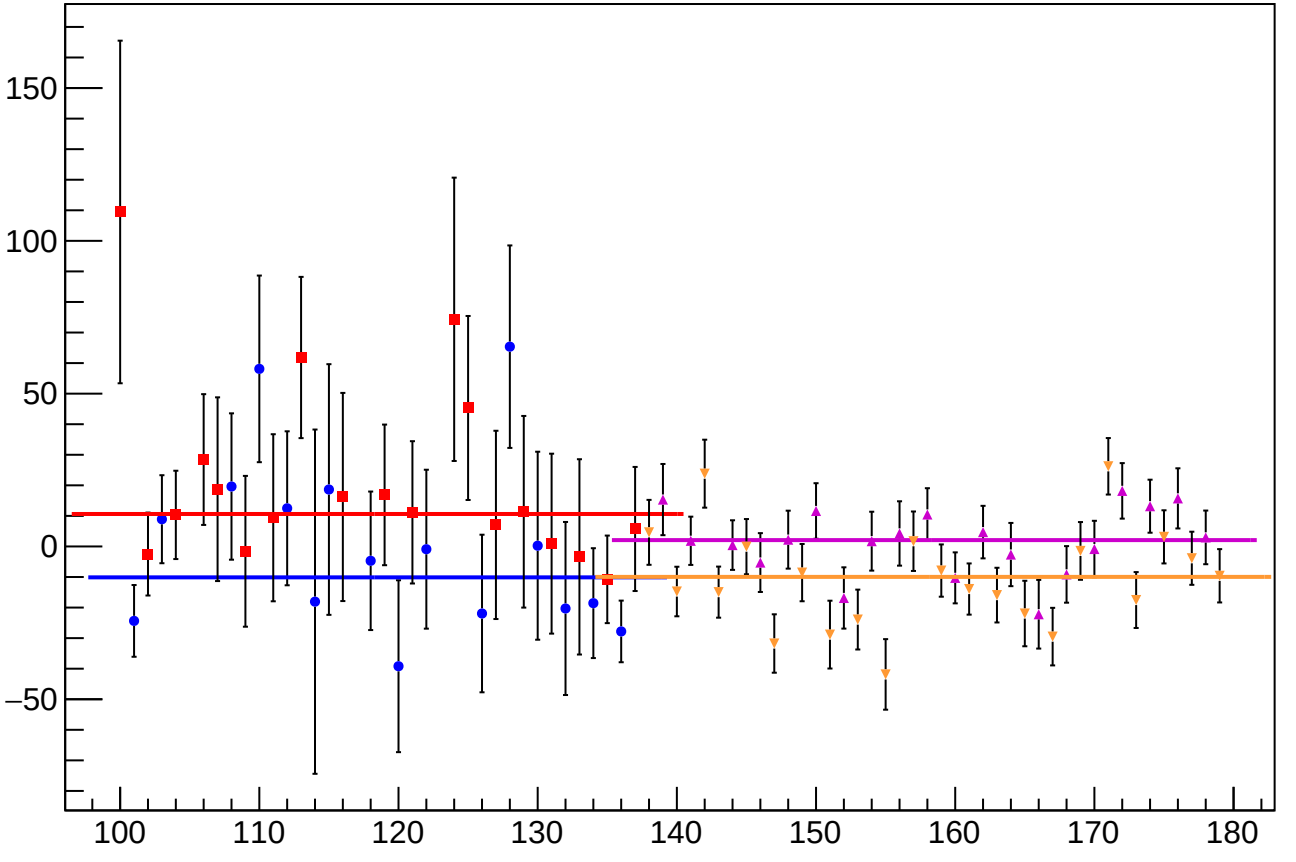
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6370.077+/-0.943 χ^2/NDF:1216909.0/35

Out: 6344.560+/-0.915 χ^2/NDF:1300381.0/40

All: 6356.938+/-0.657 χ^2/NDF: 2517667.2/76

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.957+/-1.990 χ^2/NDF:58.1/21

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 2.076+/-2.071 χ^2/NDF:23.0/19

Left: -4.180+/-1.435 χ^2/NDF: 98.7/41

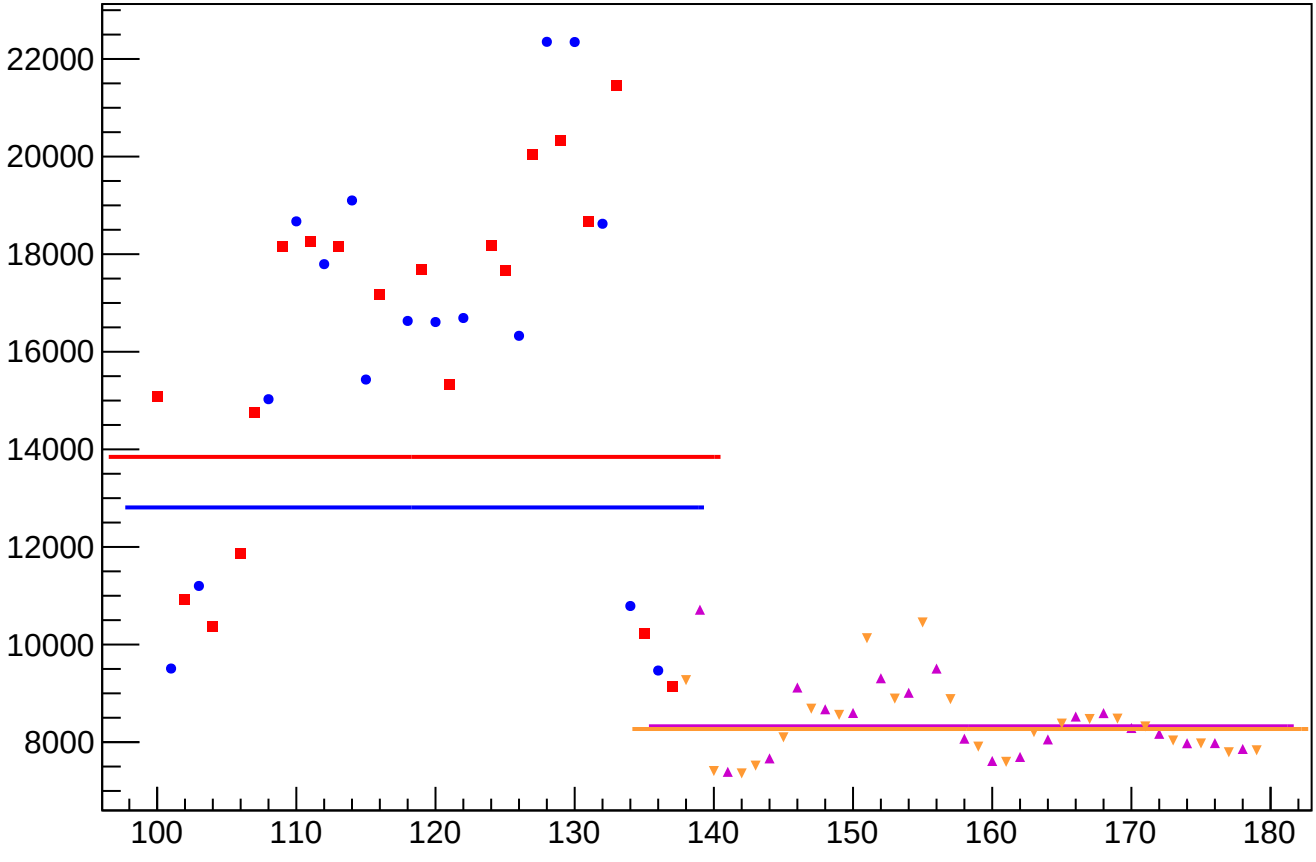
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: 0.302+/-1.914 χ^2/NDF:49.3/35

Out: -7.395+/-1.862 χ^2/NDF:86.2/40

All: -3.653+/-1.335 χ^2/NDF: 143.8/76

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8269.248+/-1.407 χ^2/NDF:253560.0/21

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8324.758+/-1.464 χ^2/NDF:240485.5/19

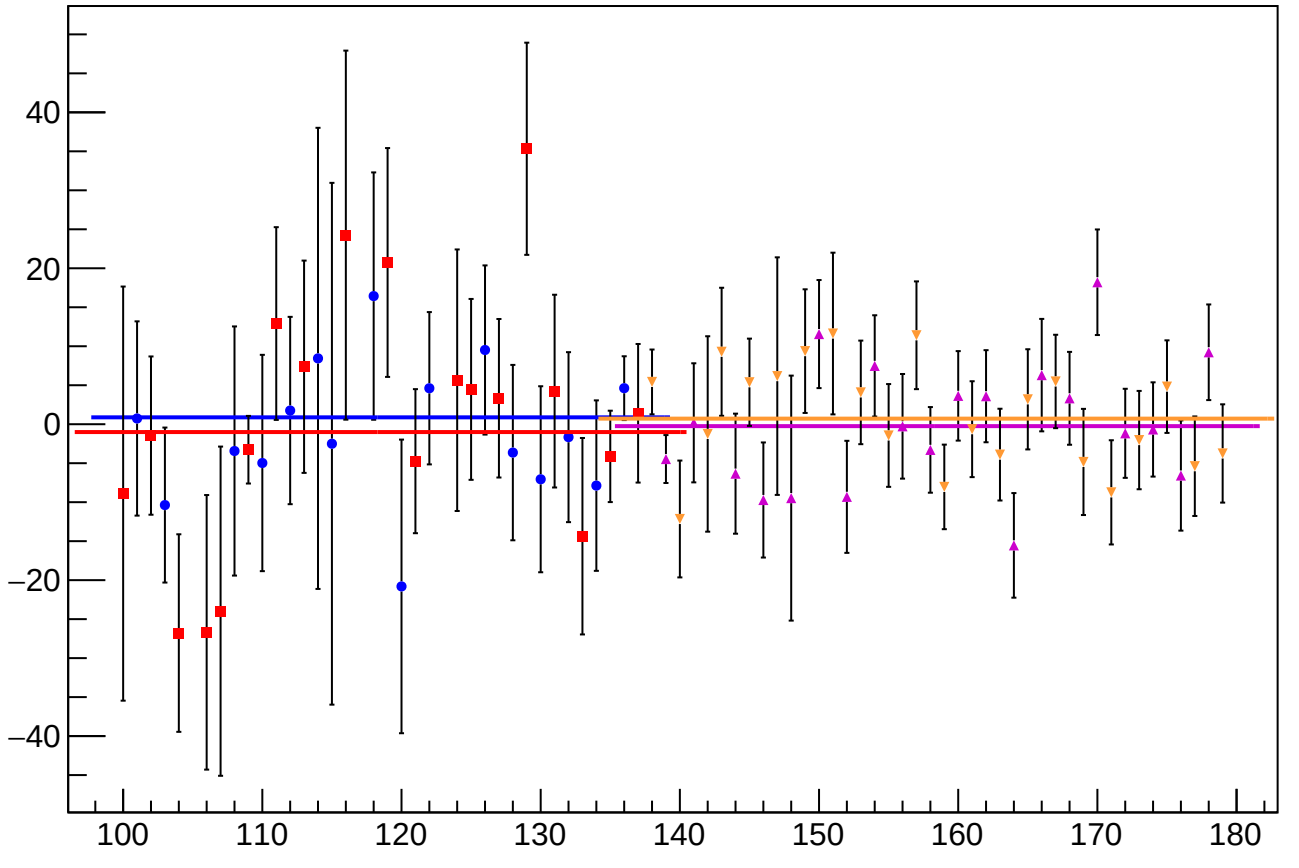
Left: 8295.898+/-1.015 χ^2/NDF: 494792.6/41

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 8977.640+/-1.354 χ^2/NDF:2854411.4/35

Out: 8963.587+/-1.317 χ^2/NDF:3305633.9/40

All: 8970.419+/-0.944 χ^2/NDF: 6160100.7/76



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.716+/-1.395 χ^2/NDF:20.0/21

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.246+/-1.365 χ^2/NDF:28.6/19

Left: 0.224+/-0.976 χ^2/NDF: 48.9/41

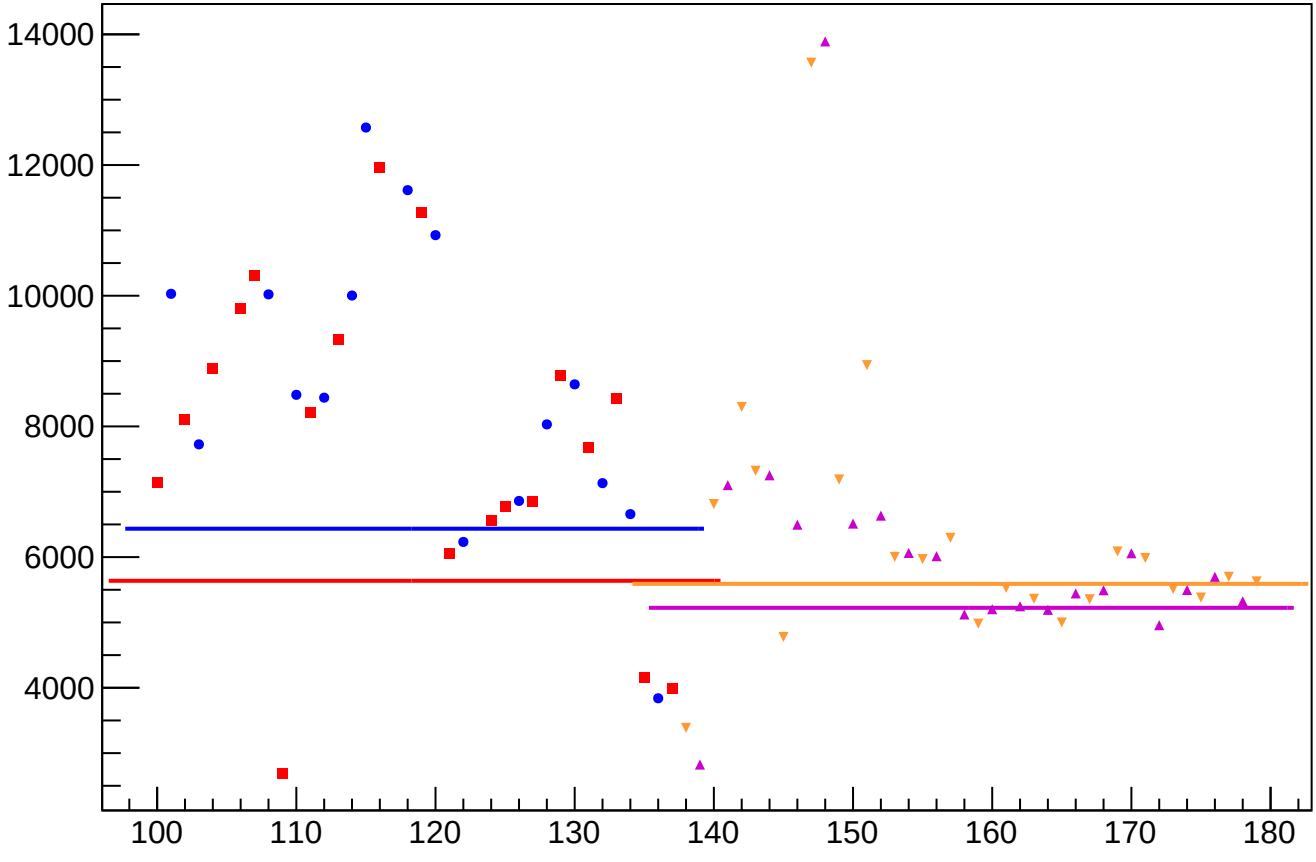
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: 0.003+/-1.205 χ^2/NDF:35.6/35

Out: 0.257+/-1.195 χ^2/NDF:42.8/40

All: 0.131+/-0.848 χ^2/NDF: 78.4/76

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5590.722+/-0.987 χ^2/NDF:1782807.9/21

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5223.912+/-0.965 χ^2/NDF:2409428.4/19

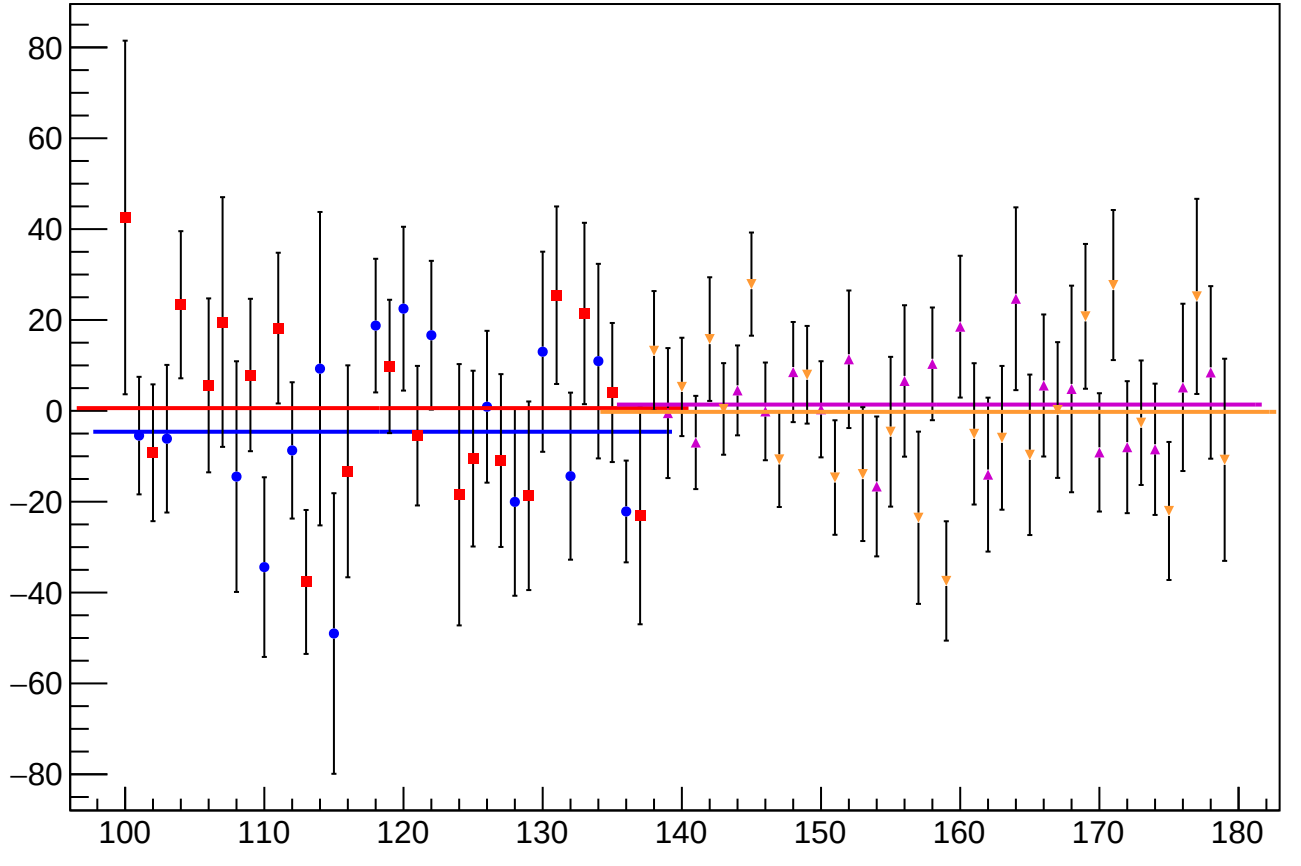
Left: 5403.283+/-0.690 χ^2/NDF: 4262867.2/41

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5490.907+/-0.852 χ^2/NDF:4507031.5/35

Out: 5603.154+/-0.845 χ^2/NDF:4363417.0/40

All: 5547.507+/-0.600 χ^2/NDF: 8879198.4/76



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.223+/-2.943 χ^2/NDF:31.0/21

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.378+/-3.067 χ^2/NDF:8.8/19

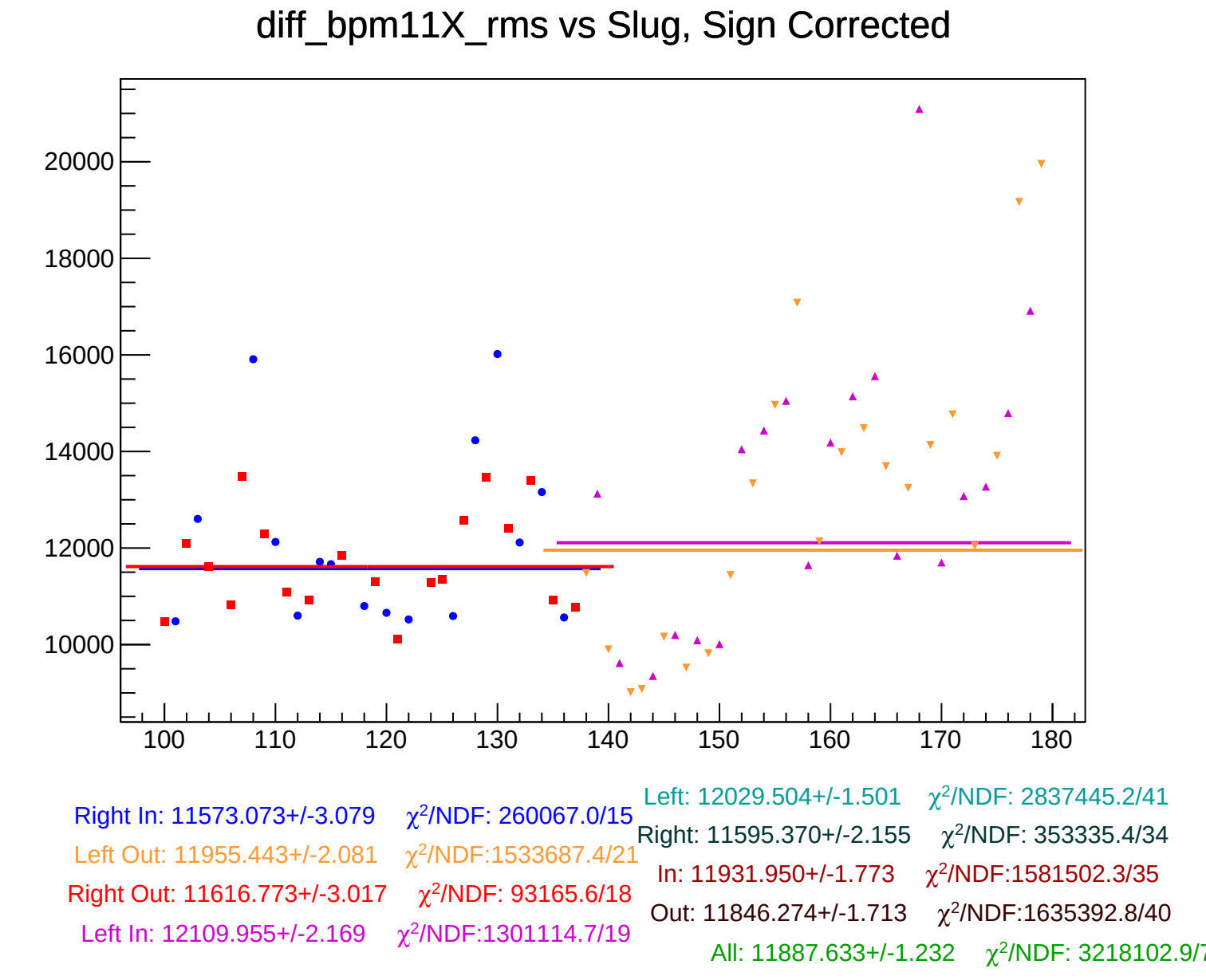
Left: 0.544+/-2.123 χ^2/NDF: 40.0/41

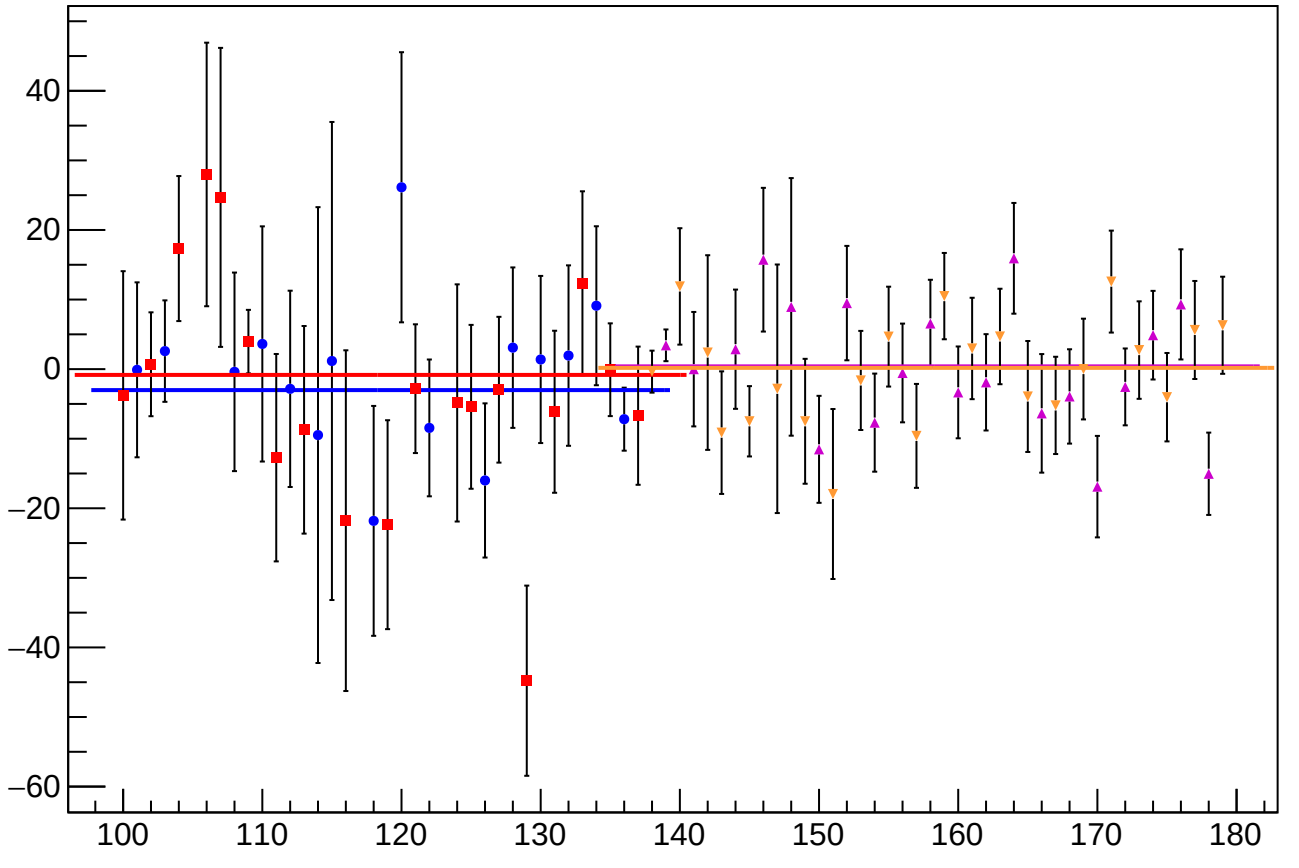
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.604+/-2.507 χ^2/NDF:25.9/35

Out: 0.042+/-2.422 χ^2/NDF:48.9/40

All: -0.270+/-1.742 χ^2/NDF: 74.8/76


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11955.443+/-2.081 χ²/NDF:1533687.4/21
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 12109.955+/-2.169 χ²/NDF:1301114.7/19
Left: 12029.504+/-1.501 χ²/NDF: 2837445.2/41
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11931.950+/-1.773 χ²/NDF:1581502.3/35
Out: 11846.274+/-1.713 χ²/NDF:1635392.8/40
All: 11887.633+/-1.232 χ²/NDF: 3218102.9/7



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: 0.182+/-1.434 χ^2/NDF:19.6/21

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.398+/-1.353 χ^2/NDF:29.9/19

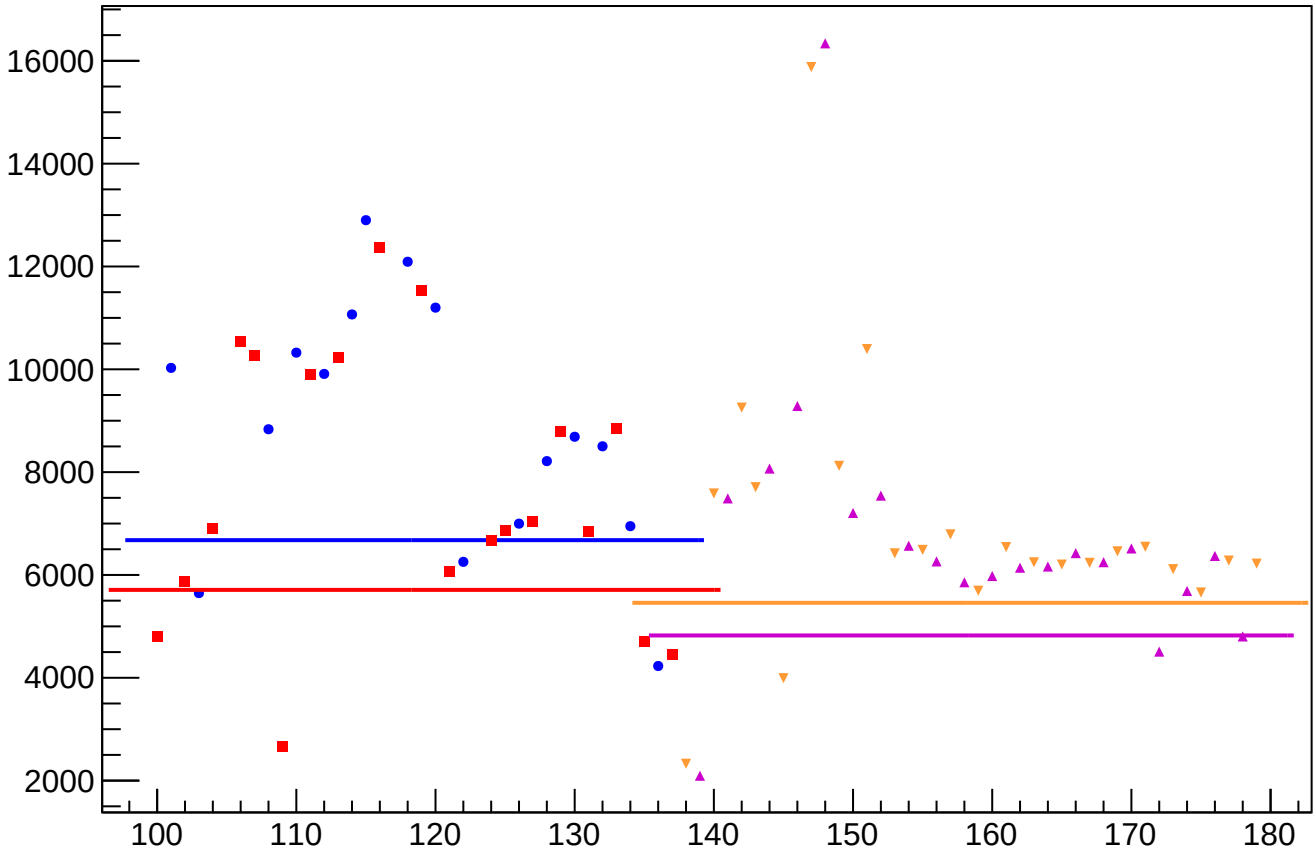
Left: 0.296+/-0.984 χ^2/NDF: 49.5/41

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: -0.307+/-1.206 χ^2/NDF:39.9/35

Out: -0.092+/-1.224 χ^2/NDF:43.5/40

All: -0.201+/-0.859 χ^2/NDF: 83.5/76



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5458.188+/-1.014 χ^2/NDF:4321183.0/21

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4823.500+/-0.957 χ^2/NDF:5755085.5/19

Left: 5122.508+/-0.696 χ^2/NDF: 10283502.9/41

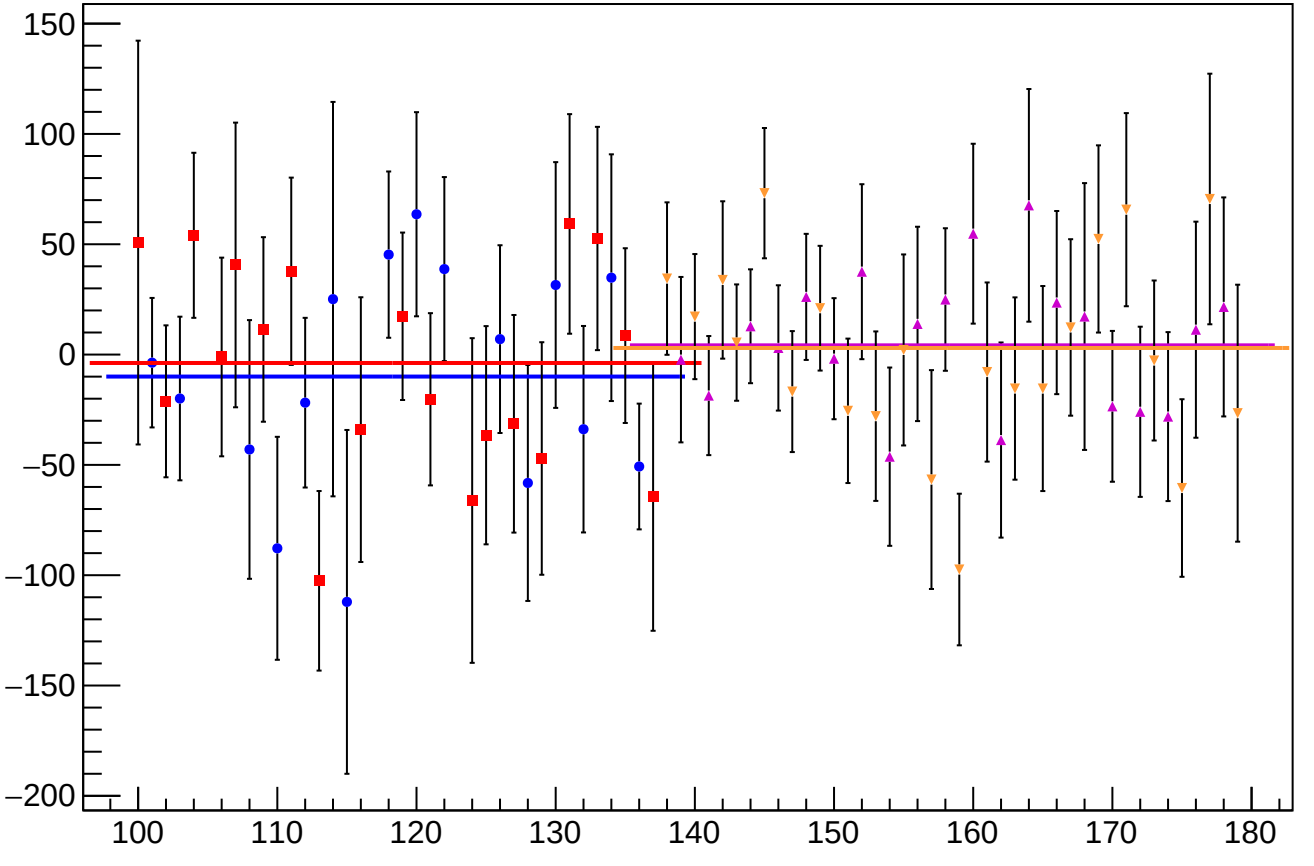
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5205.985+/-0.853 χ^2/NDF:8102066.7/35

Out: 5526.390+/-0.866 χ^2/NDF:6638915.7/40

All: 5363.729+/-0.607 χ^2/NDF: 14810525.2/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.989+/-7.721 χ^2/NDF:27.9/21

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 4.179+/-8.042 χ^2/NDF:10.5/19

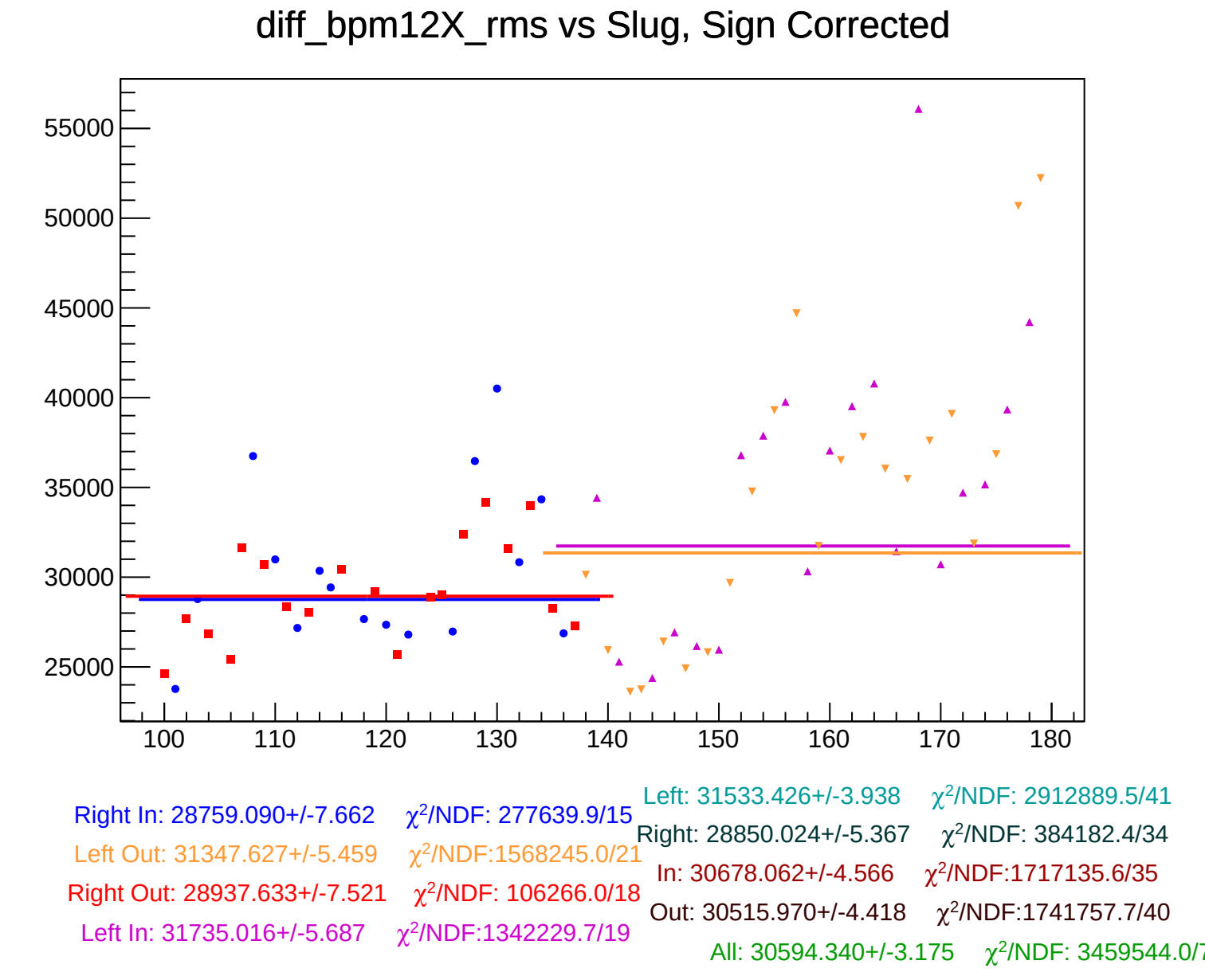
Left: 3.560+/-5.570 χ^2/NDF: 38.4/41

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

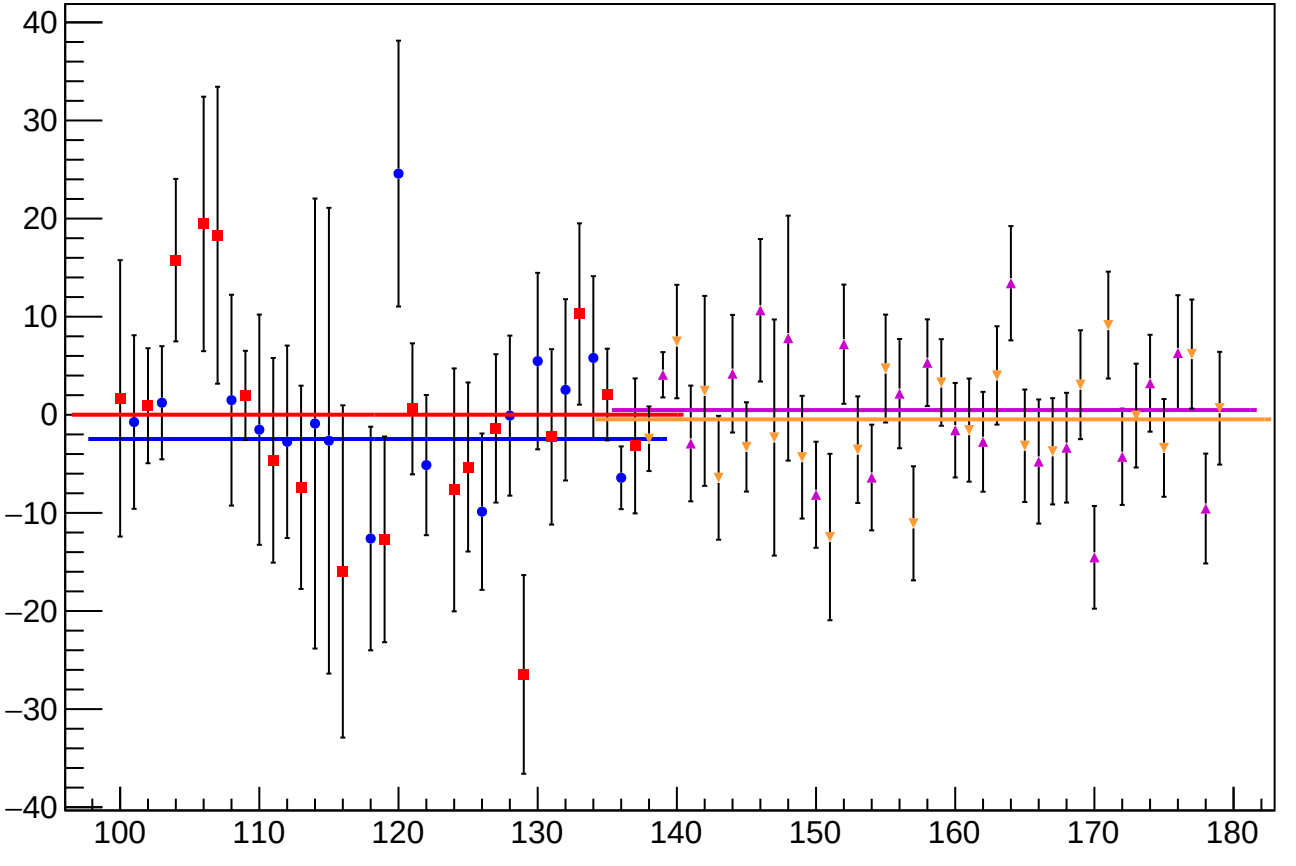
In: -0.846+/-6.458 χ^2/NDF:26.9/35

Out: 0.641+/-6.248 χ^2/NDF:45.4/40

All: -0.078+/-4.490 χ^2/NDF: 72.4/76


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 31347.627+/-5.459 χ²/NDF:1568245.0/21
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31735.016+/-5.687 χ²/NDF:1342229.7/19
Left: 31533.426+/-3.938 χ²/NDF: 2912889.5/41
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30678.062+/-4.566 χ²/NDF:1717135.6/35
Out: 30515.970+/-4.418 χ²/NDF:1741757.7/40
All: 30594.340+/-3.175 χ²/NDF: 3459544.0/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.466+/-1.158 χ^2/NDF:18.0/21

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.481+/-1.120 χ^2/NDF:32.5/19

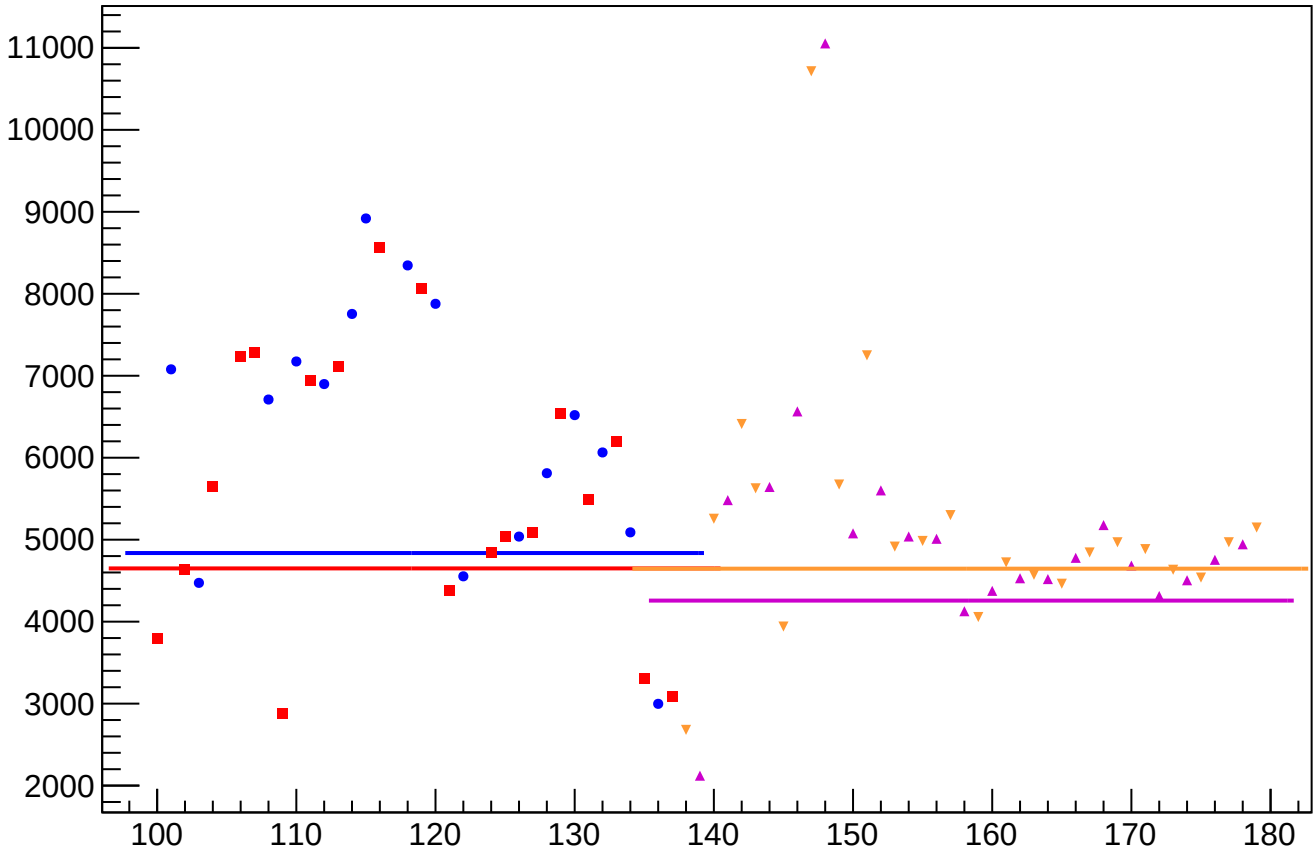
Left: 0.023+/-0.805 χ^2/NDF: 50.8/41

Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.270+/-0.967 χ^2/NDF:44.3/35

Out: -0.330+/-0.978 χ^2/NDF:38.0/40

All: -0.300+/-0.688 χ^2/NDF: 82.3/76



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4646.407+/-0.819 χ^2/NDF:1761907.5/21

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4256.935+/-0.792 χ^2/NDF:3066800.2/19

Left: 4445.268+/-0.569 χ^2/NDF: 4945566.4/41

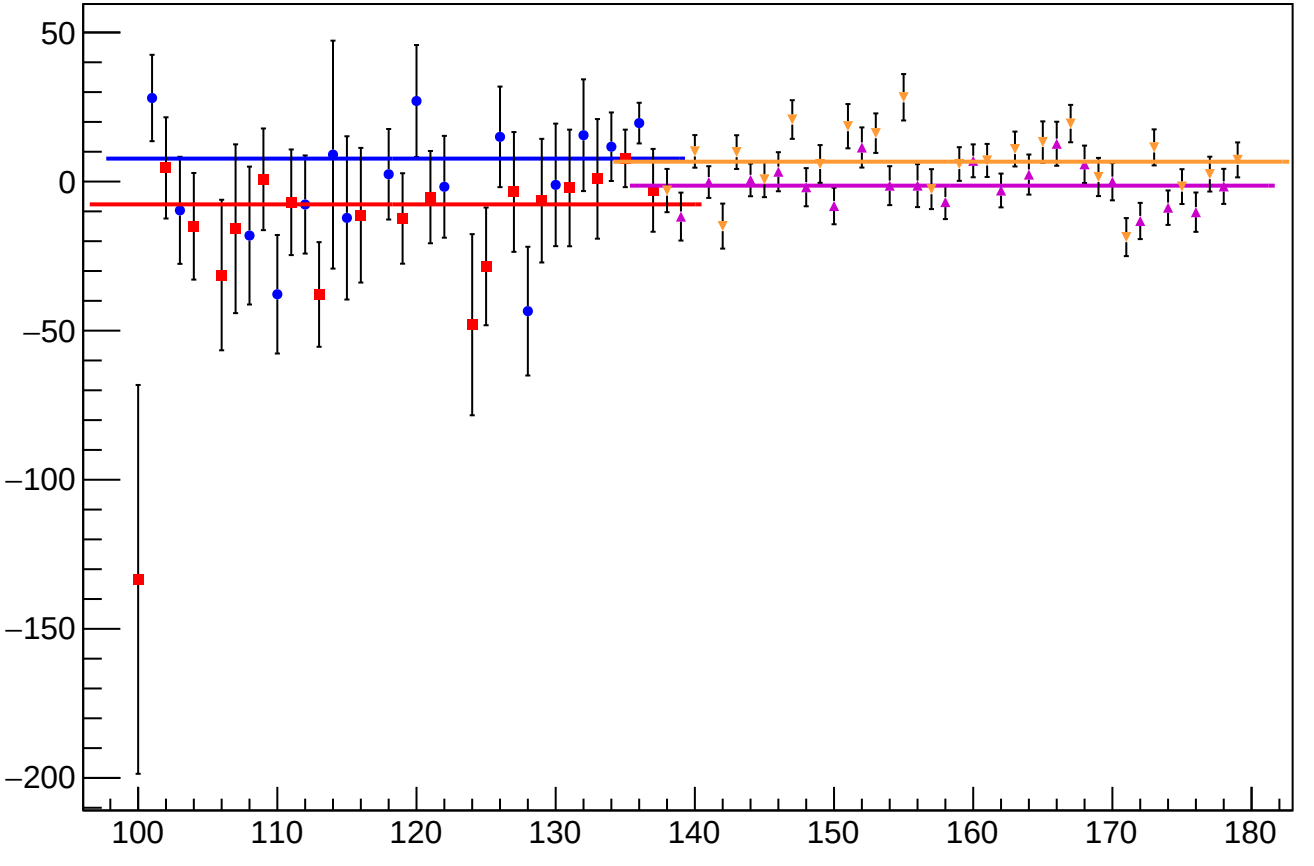
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4404.836+/-0.684 χ^2/NDF:4751288.5/35

Out: 4647.325+/-0.692 χ^2/NDF:3196460.5/40

All: 4524.704+/-0.486 χ^2/NDF: 8009898.4/76

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.664+/-1.335 χ^2/NDF:55.9/21

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -1.373+/-1.389 χ^2/NDF:23.0/19

Left: 2.806+/-0.962 χ^2/NDF: 96.3/41

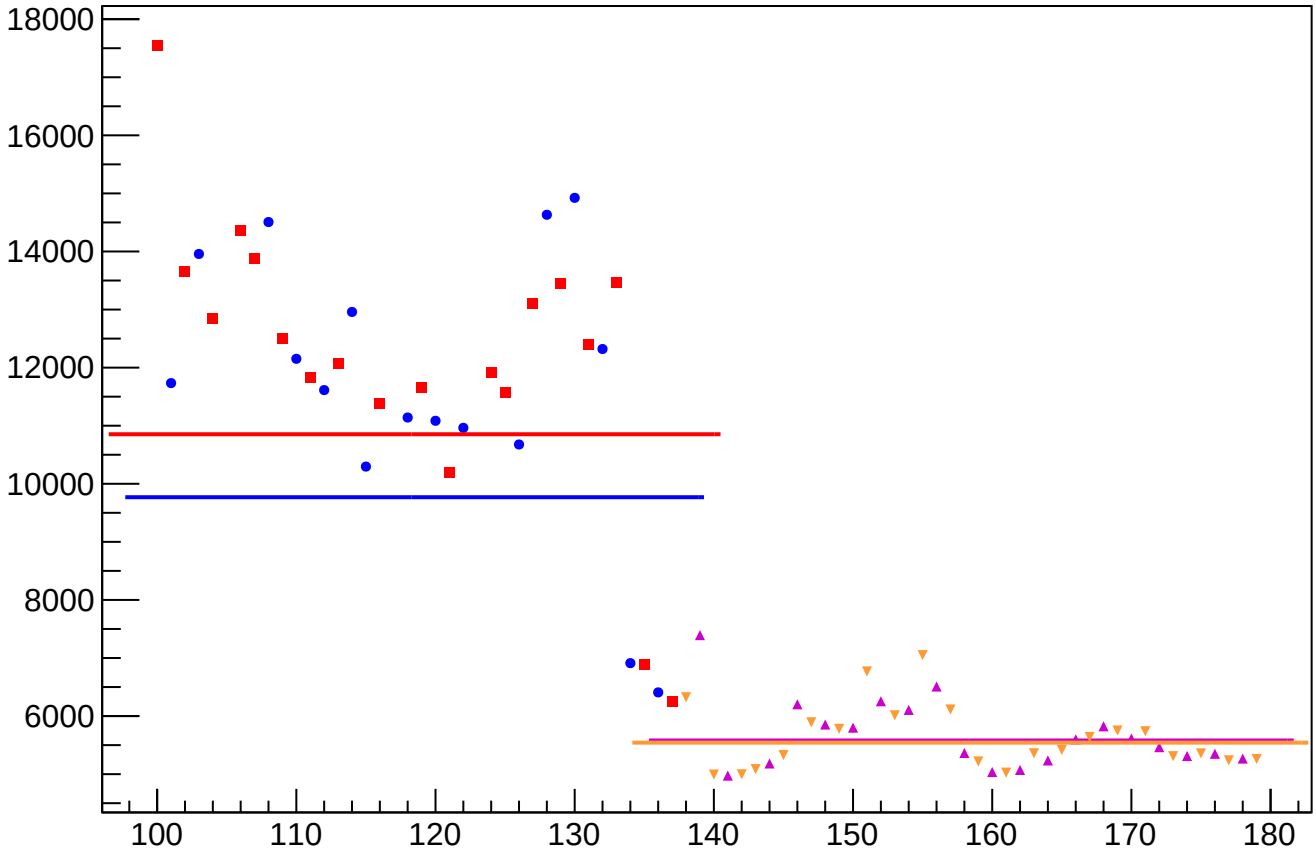
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: -0.313+/-1.305 χ^2/NDF:49.6/35

Out: 5.292+/-1.269 χ^2/NDF:81.5/40

All: 2.569+/-0.910 χ^2/NDF: 140.6/76

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5542.610+/-0.944 χ^2/NDF:278407.5/21

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5580.027+/-0.982 χ^2/NDF:288445.2/19

Left: 5560.569+/-0.680 χ^2/NDF: 567607.2/41

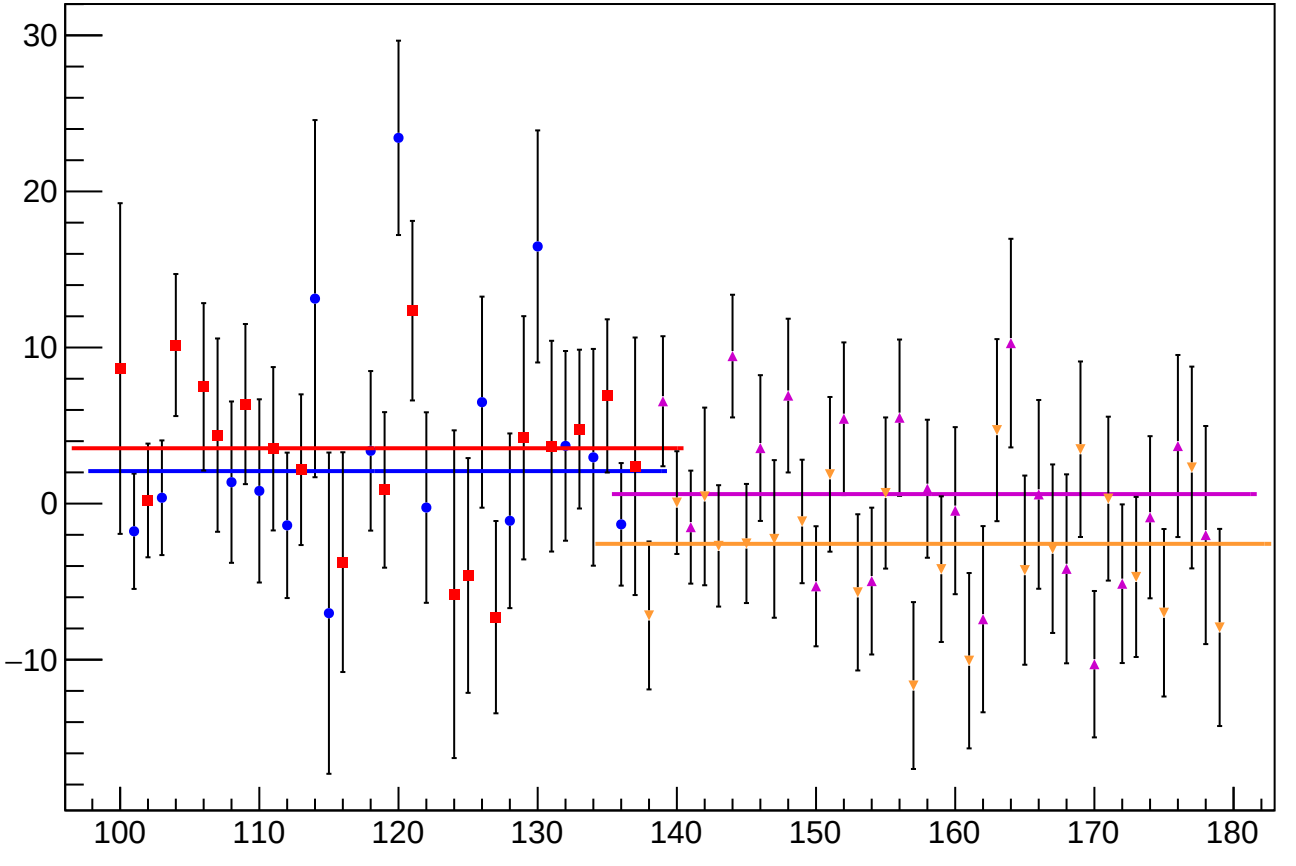
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6069.261+/-0.923 χ^2/NDF:3626283.4/35

Out: 6051.494+/-0.897 χ^2/NDF:4187701.5/40

All: 6060.126+/-0.643 χ^2/NDF: 7814175.3/76

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.578+/-1.041 χ^2/NDF:13.7/21

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.609+/-1.089 χ^2/NDF:26.9/19

Left: -1.056+/-0.753 χ^2/NDF: 45.1/41

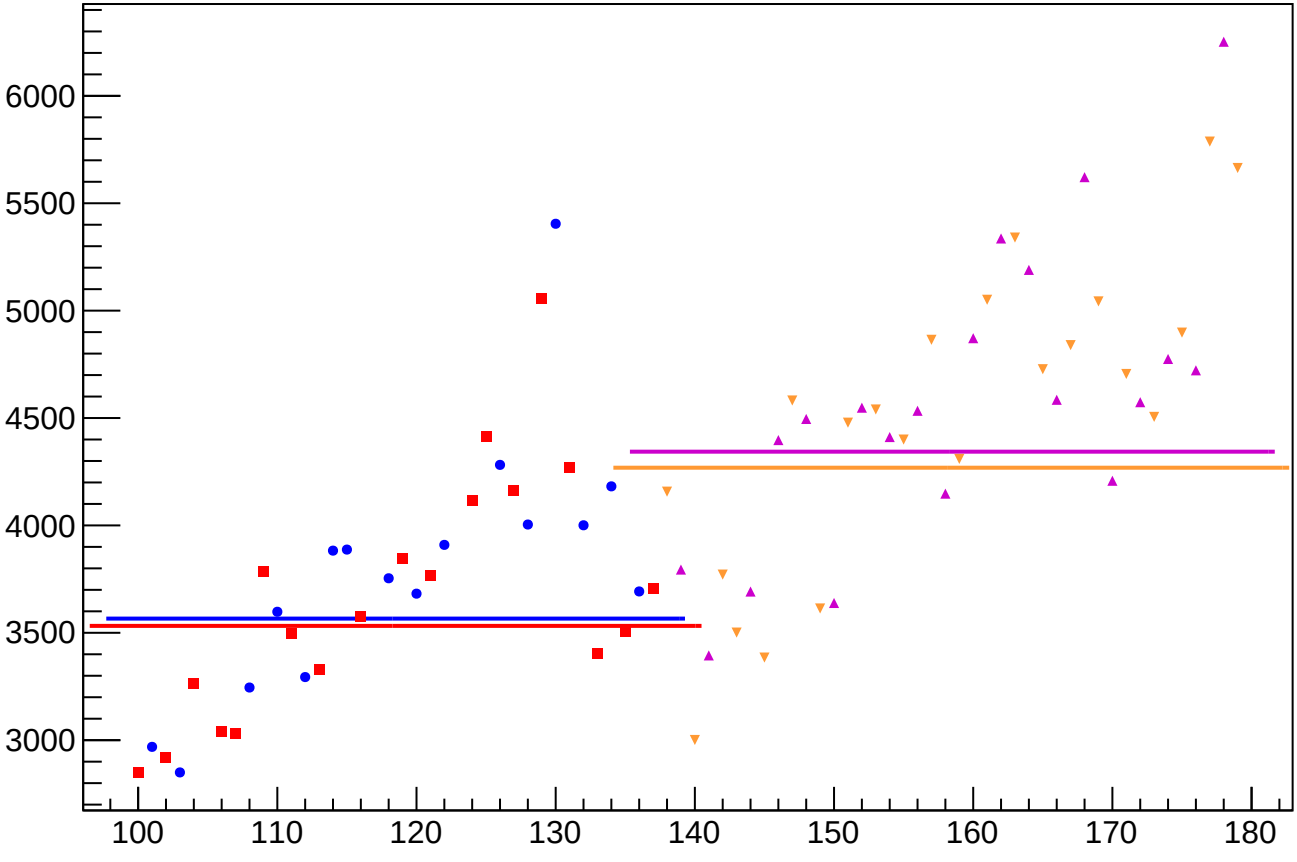
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.192+/-0.847 χ^2/NDF:48.6/35

Out: -0.194+/-0.814 χ^2/NDF:40.6/40

All: 0.472+/-0.587 χ^2/NDF: 90.6/76

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4268.702+/-0.736 χ^2/NDF:1028584.5/21

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4343.346+/-0.770 χ^2/NDF:683630.4/19

Left: 4304.340+/-0.532 χ^2/NDF: 1717121.4/41

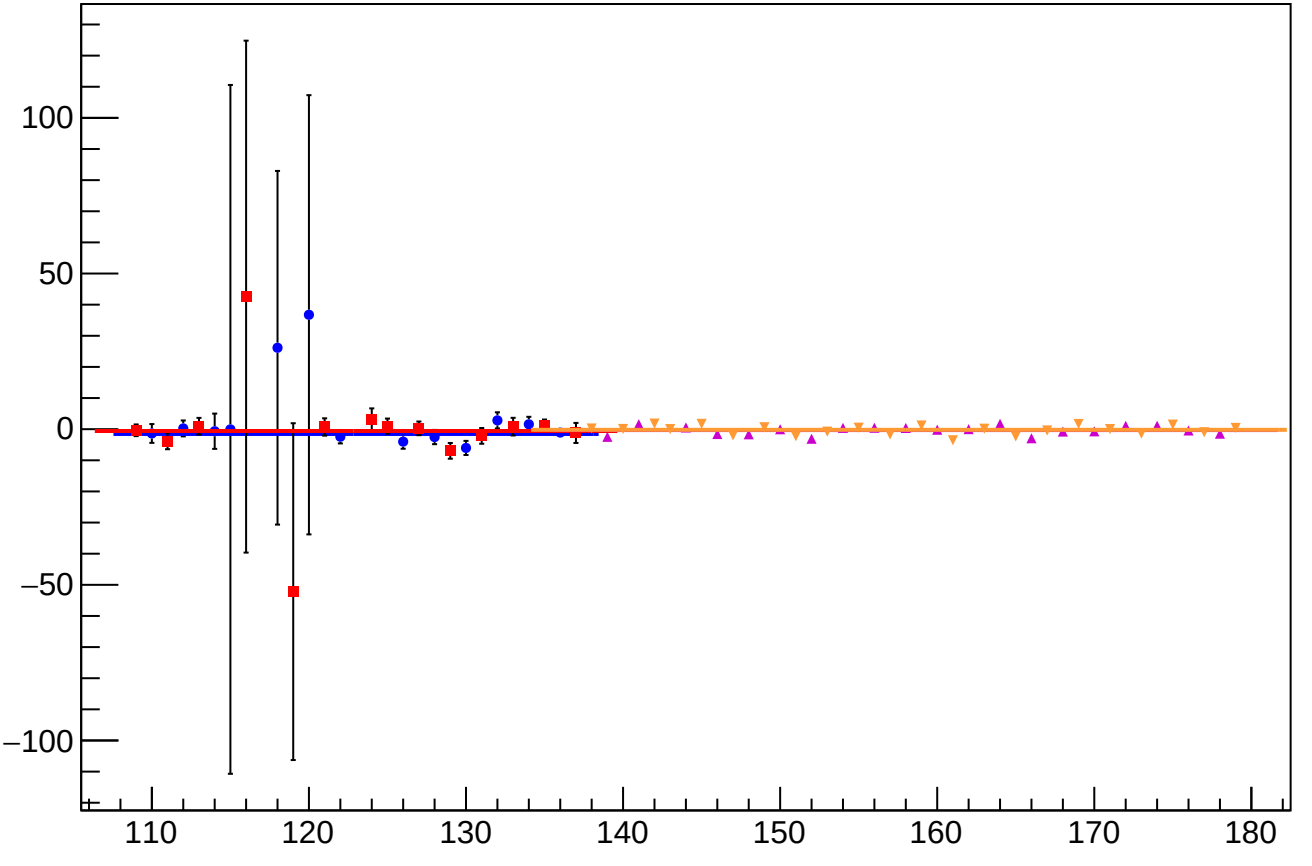
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4035.535+/-0.599 χ^2/NDF:1427864.6/35

Out: 3981.959+/-0.575 χ^2/NDF:1696794.7/40

All: 4007.686+/-0.415 χ^2/NDF: 3128822.3/76

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.209+/-0.245 χ^2/NDF:33.4/21

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.285+/-0.254 χ^2/NDF:28.2/19

Left: -0.246+/-0.176 χ^2/NDF: 61.7/41

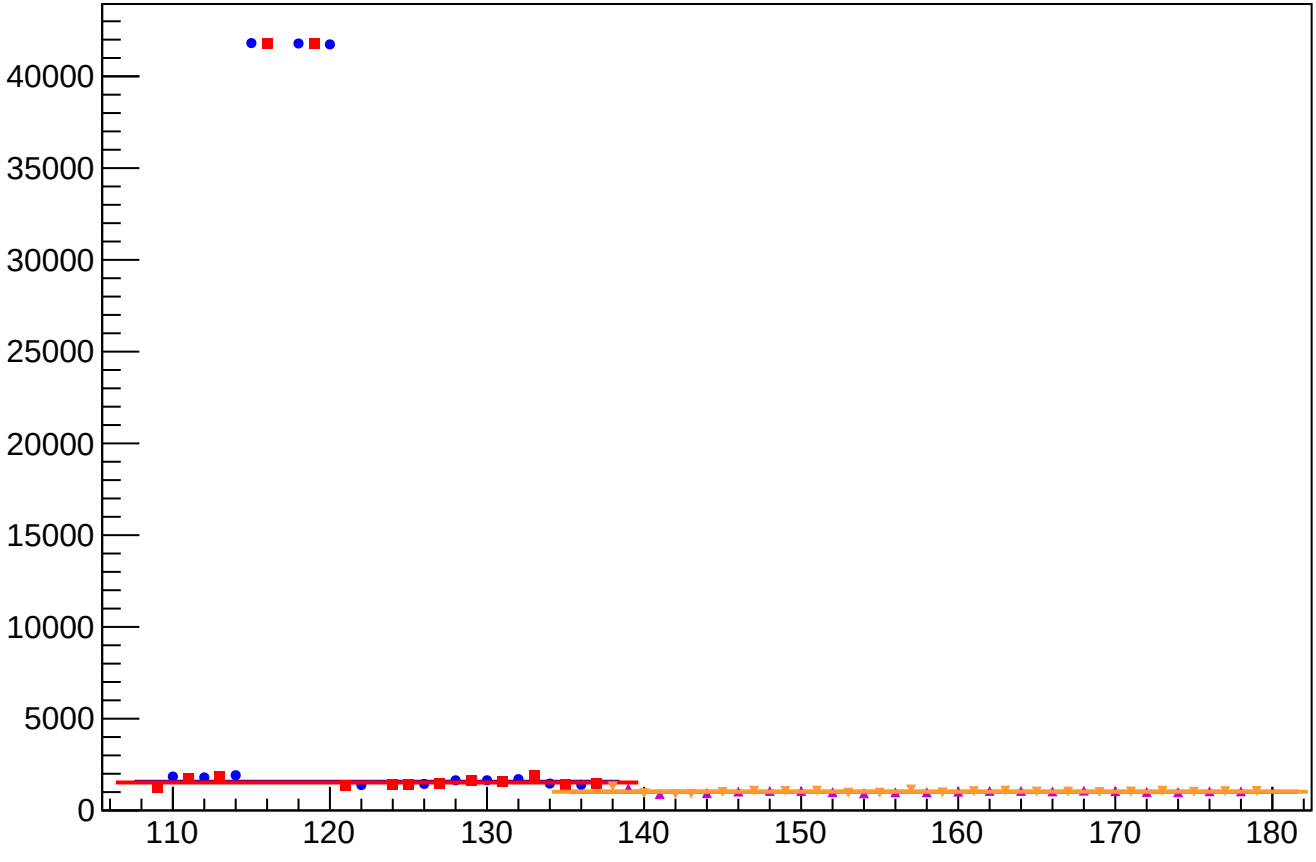
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.419+/-0.240 χ^2/NDF:41.9/32

Out: -0.249+/-0.232 χ^2/NDF:46.4/35

All: -0.331+/-0.167 χ^2/NDF: 88.6/68

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1020.666+/-0.173 χ^2/NDF:184196.4/21

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1021.260+/-0.179 χ^2/NDF:126501.9/19

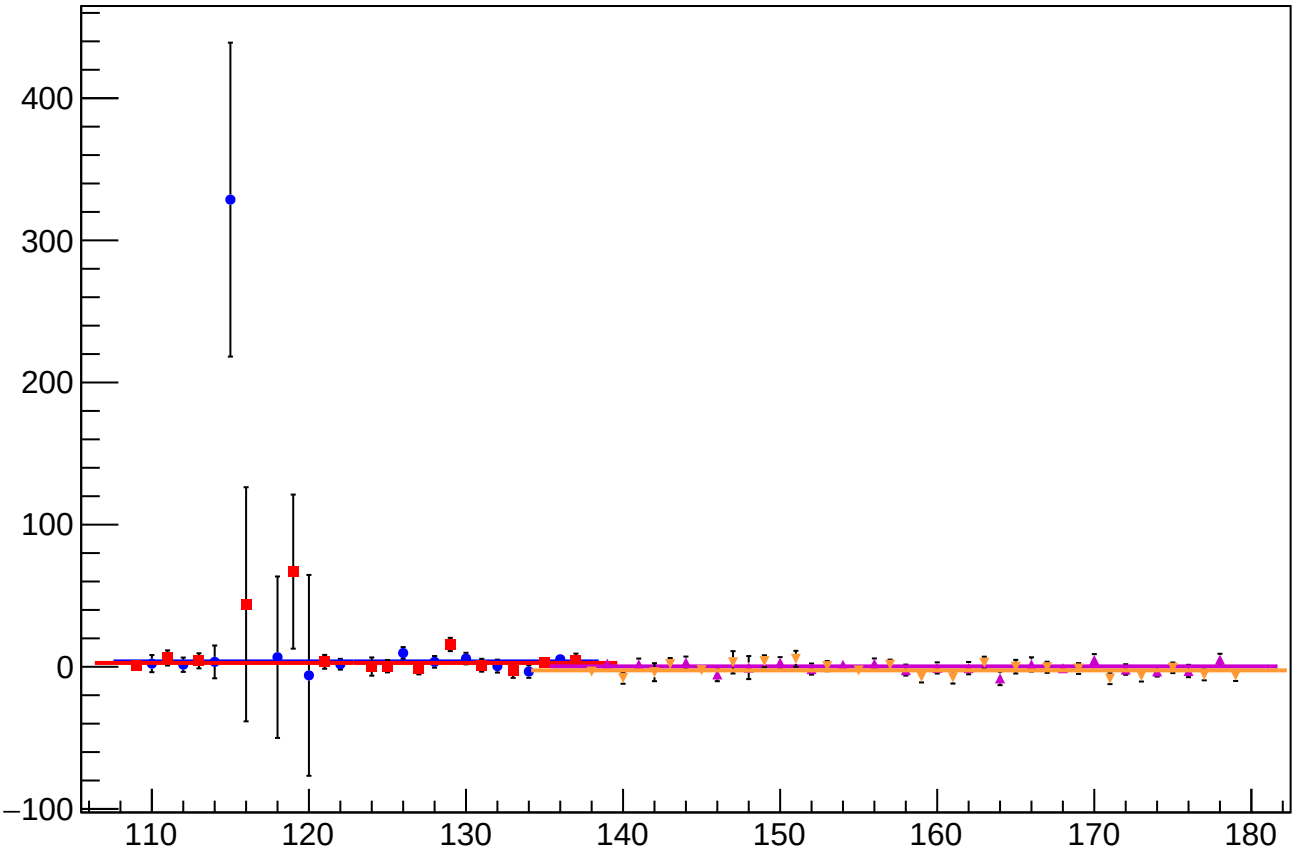
Left: 1020.953+/-0.125 χ^2/NDF: 310703.9/41

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1079.339+/-0.169 χ^2/NDF:3124590.6/32

Out: 1073.318+/-0.164 χ^2/NDF:2804929.1/35

All: 1076.231+/-0.118 χ^2/NDF: 5930171.3/68



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.517+/-0.819 χ^2/NDF:20.2/21

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.277+/-0.854 χ^2/NDF:12.4/19

Left: -1.178+/-0.591 χ^2/NDF: 38.2/41

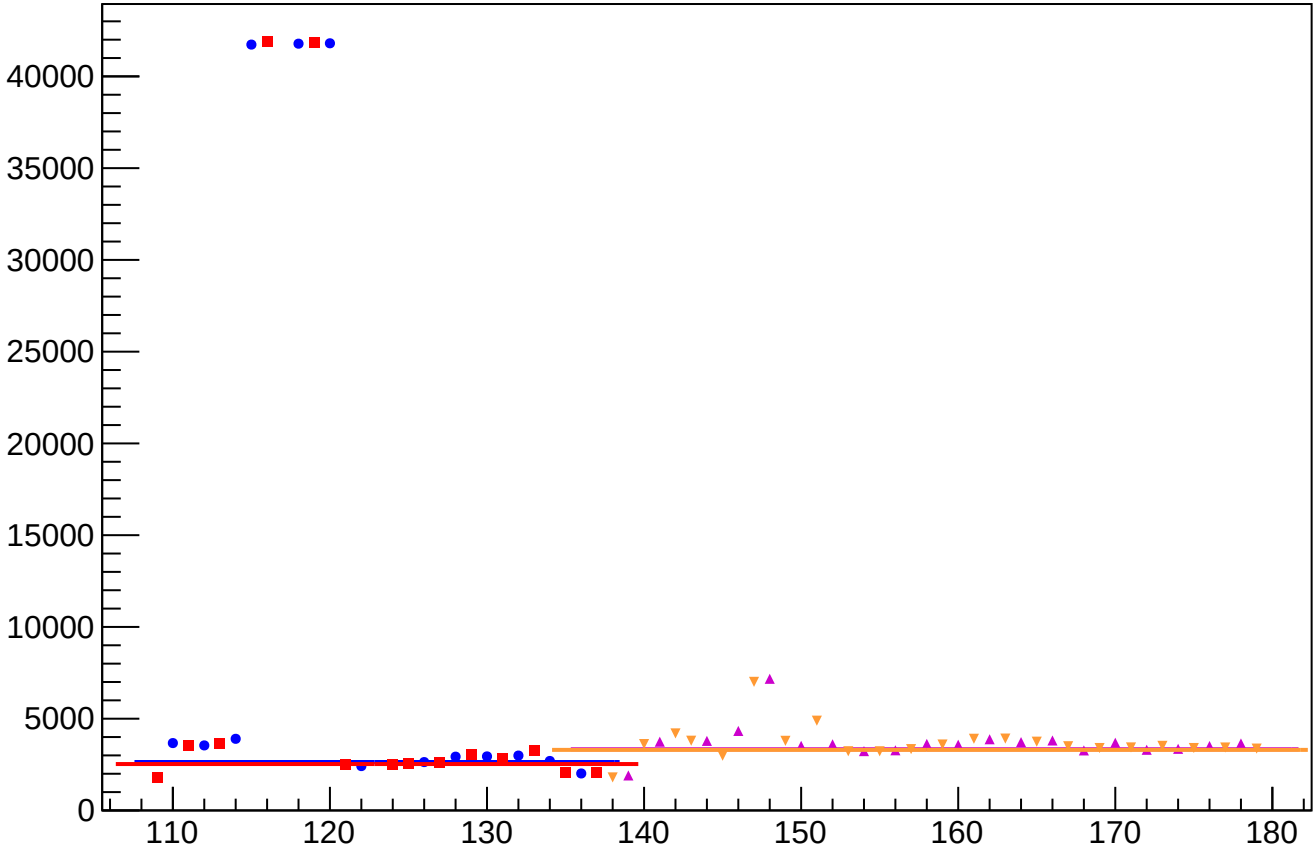
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.393+/-0.705 χ^2/NDF:32.9/32

Out: -0.876+/-0.678 χ^2/NDF:46.6/35

All: 0.215+/-0.489 χ^2/NDF: 84.9/68

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3300.874+/-0.579 χ^2/NDF:1885835.2/21

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3334.992+/-0.604 χ^2/NDF:1625309.6/19

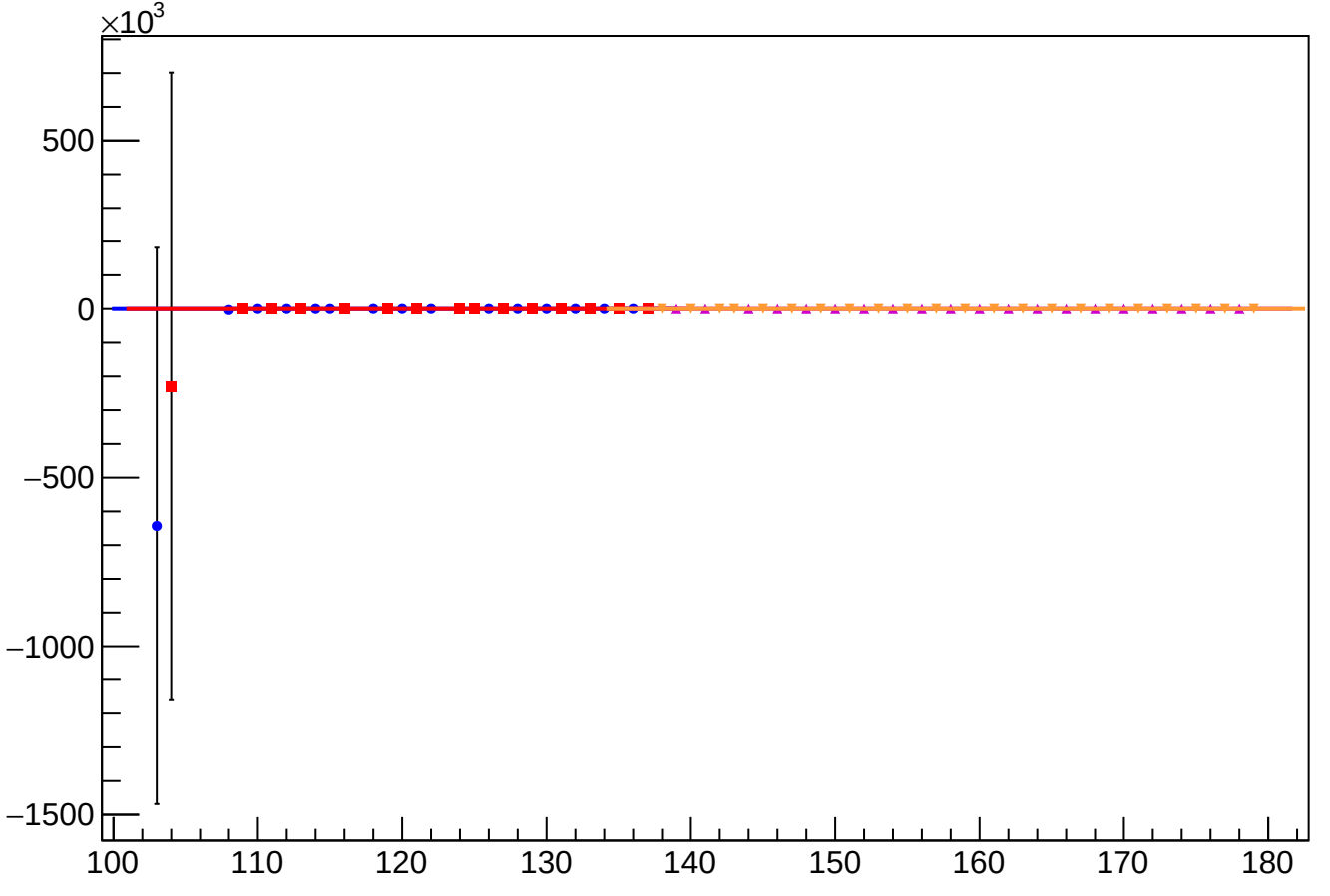
Left: 3317.222+/-0.418 χ^2/NDF: 3512807.5/41

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3113.416+/-0.498 χ^2/NDF:4221063.3/32

Out: 3058.585+/-0.480 χ^2/NDF:4393273.4/35

All: 3084.956+/-0.346 χ^2/NDF: 8620619.3/68



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.719+/-0.382 χ^2/NDF:46.6/21

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.228+/-0.397 χ^2/NDF:23.2/19

Left: -0.783+/-0.275 χ^2/NDF: 82.3/41

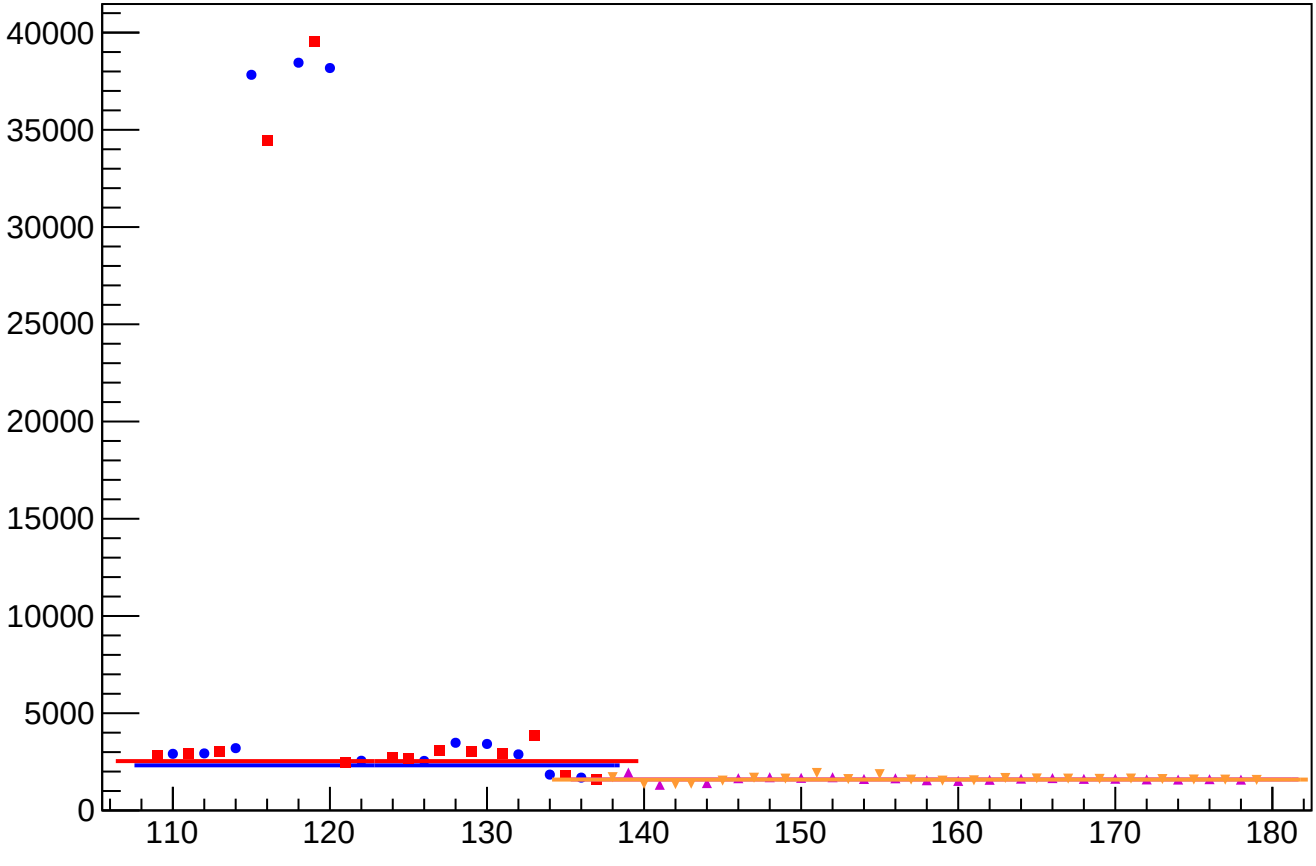
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.069+/-0.374 χ^2/NDF:43.4/34

Out: -1.323+/-0.364 χ^2/NDF:73.0/36

All: -0.646+/-0.261 χ^2/NDF: 123.5/71

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.494+/-0.270 χ^2/NDF:230683.8/21

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.796+/-0.280 χ^2/NDF:196226.0/19

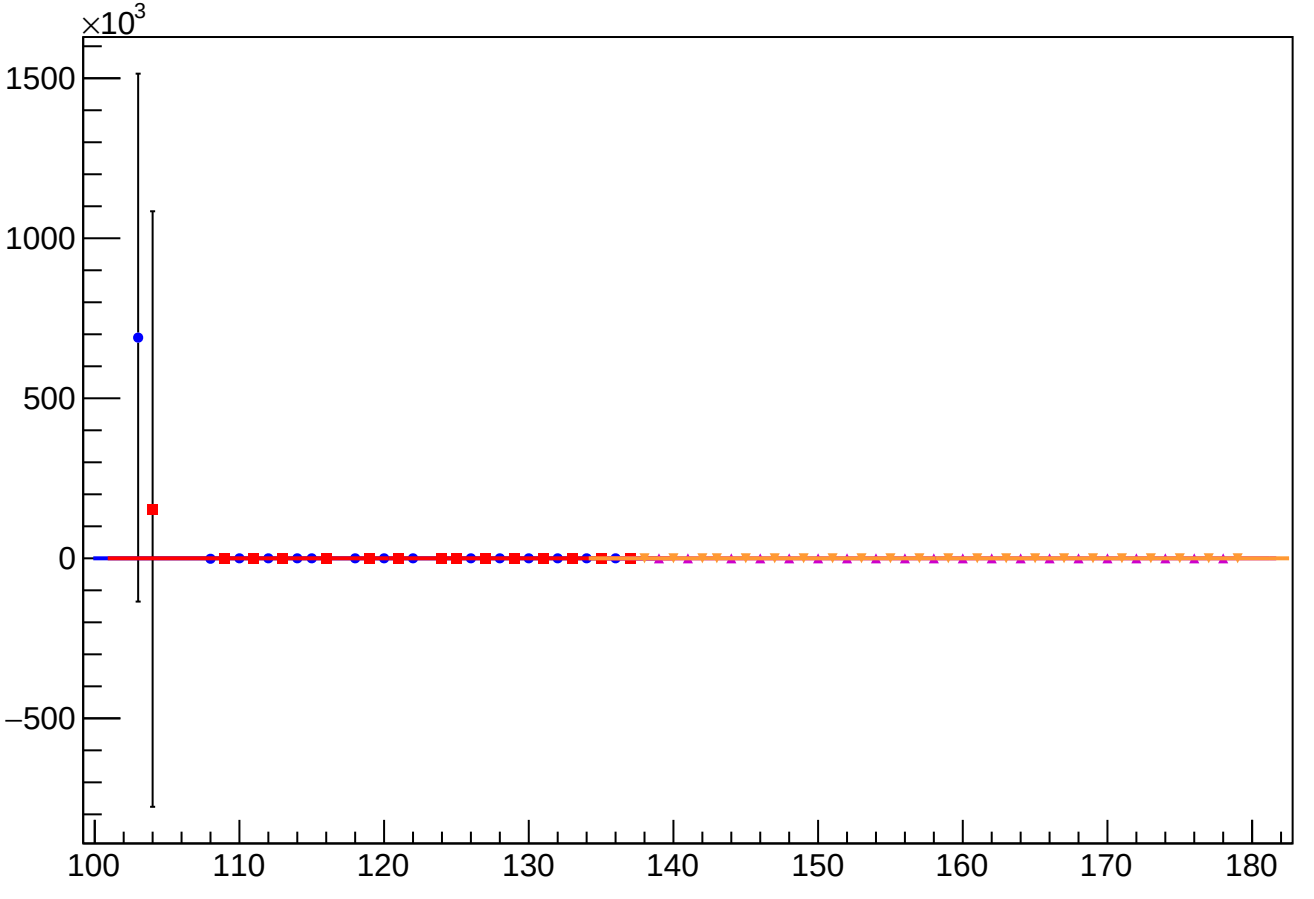
Left: 1591.006+/-0.194 χ^2/NDF: 427261.8/41

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1674.948+/-0.264 χ^2/NDF:3397508.9/32

Out: 1673.341+/-0.257 χ^2/NDF:3388478.5/35

All: 1674.122+/-0.184 χ^2/NDF: 6786006.4/68



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.196+/-0.528 χ^2/NDF:22.0/21

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.039+/-0.529 χ^2/NDF:16.1/19

Left: -0.618+/-0.374 χ^2/NDF: 40.5/41

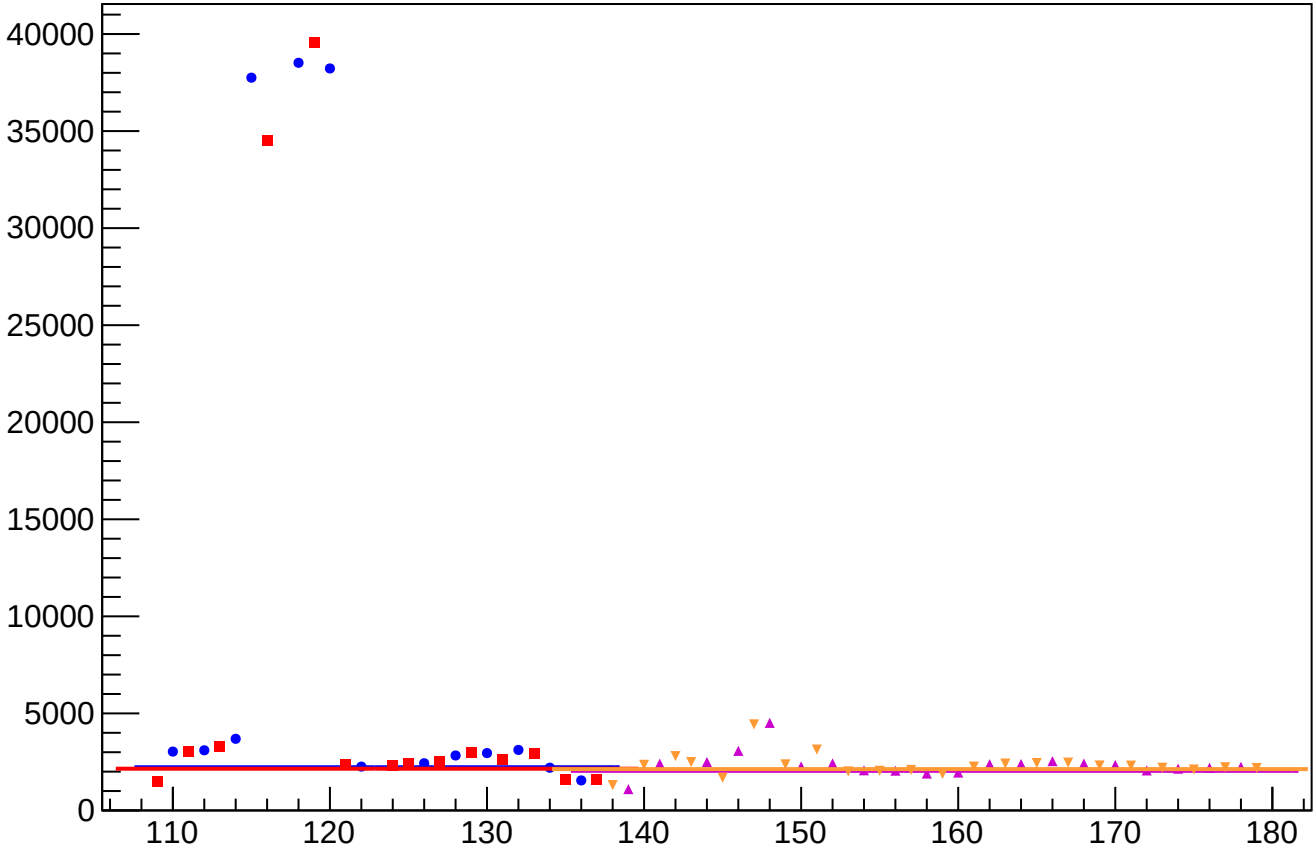
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.301+/-0.475 χ^2/NDF:23.2/34

Out: -0.573+/-0.472 χ^2/NDF:44.2/36

All: -0.138+/-0.335 χ^2/NDF: 69.1/71

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2130.173+/-0.374 χ^2/NDF:1472173.1/21

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2041.354+/-0.374 χ^2/NDF:2272645.2/19

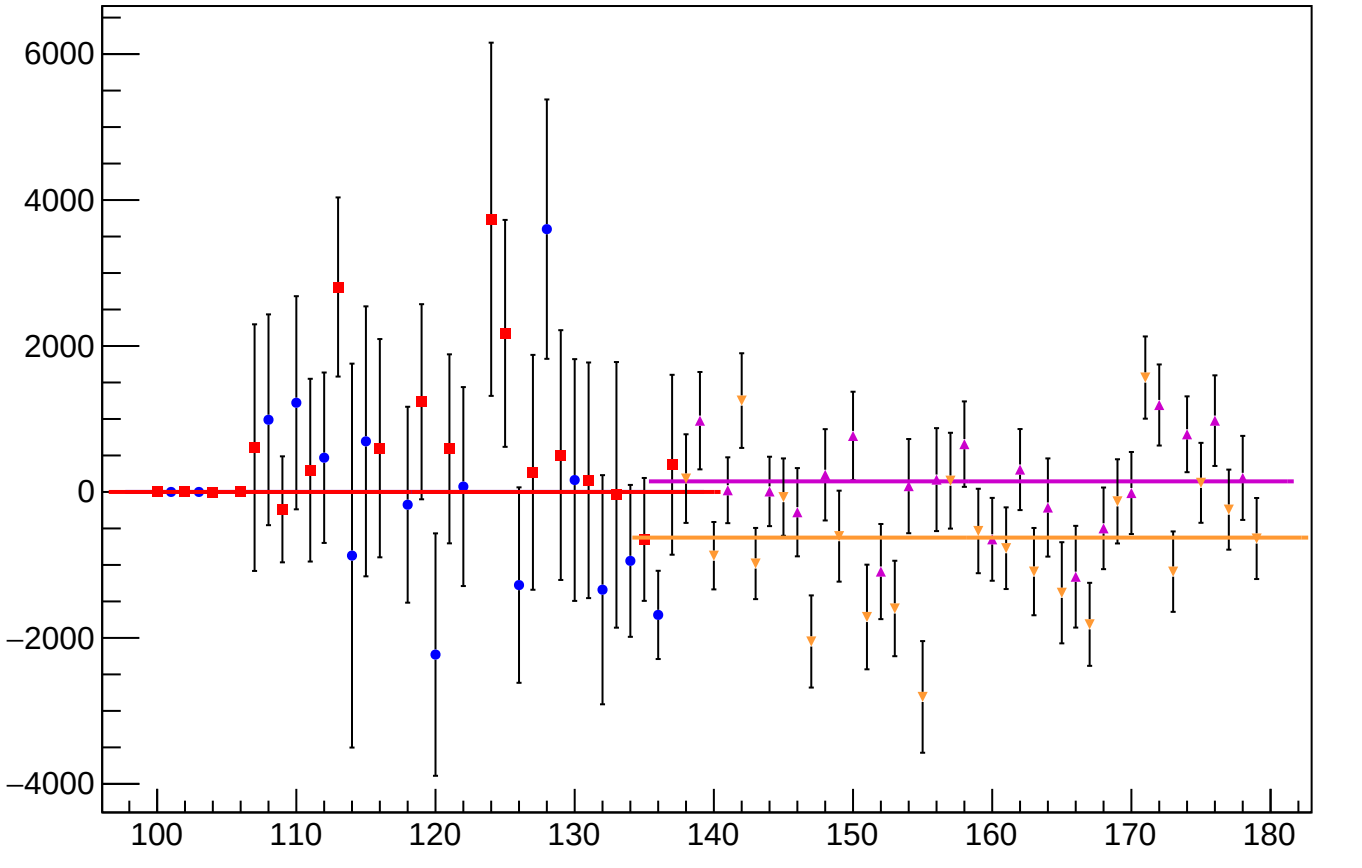
Left: 2085.821+/-0.264 χ^2/NDF: 3773032.8/41

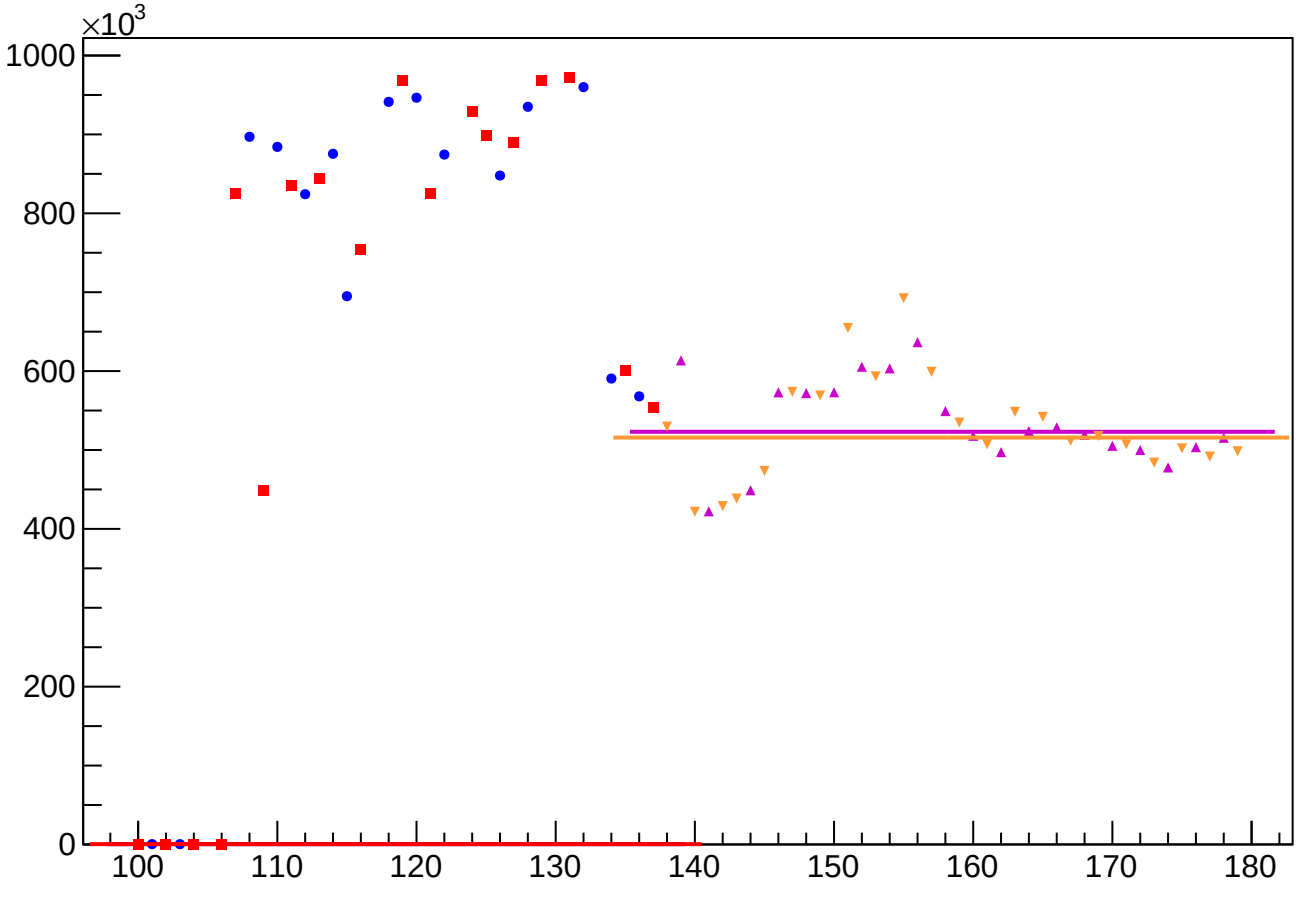
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2077.472+/-0.336 χ^2/NDF:4842818.1/32

Out: 2134.339+/-0.334 χ^2/NDF:3704111.8/35

All: 2106.065+/-0.237 χ^2/NDF: 8561352.7/68


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -625.452+/-124.578 χ²/NDF:56.4/21
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 145.131+/-130.407 χ²/NDF:21.8/19
Left: -257.769+/-90.080 χ²/NDF: 96.5/41
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:40.8/35
Out: -0.100+/-0.328 χ²/NDF:97.1/40
All: 0.064+/-0.241 χ²/NDF: 138.4/76



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 515725.601+/-88.090 χ^2/NDF:482200.1/21

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 523097.097+/-92.212 χ^2/NDF:371323.0/19

Left: 519242.900+/-63.696 χ^2/NDF: 856864.4/41

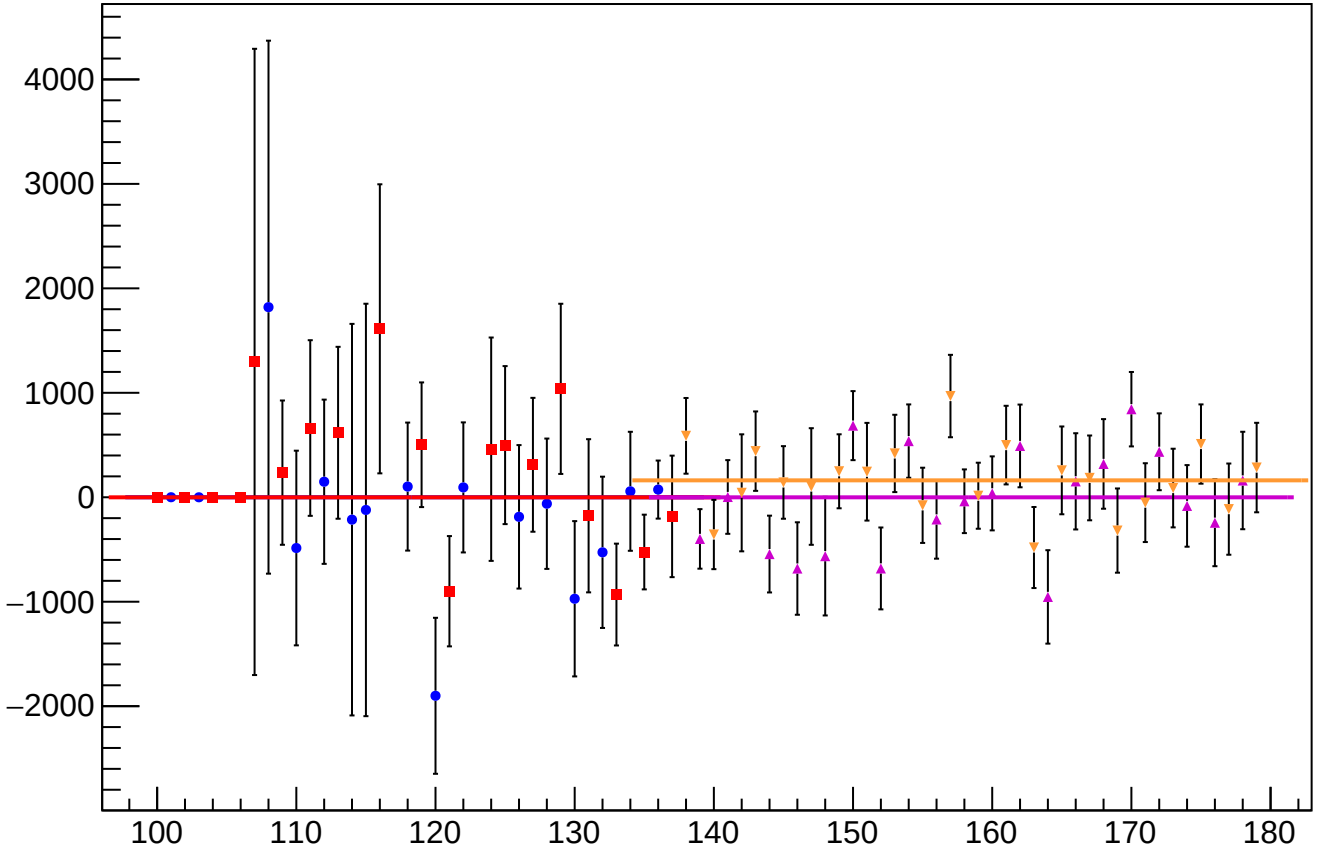
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.769+/-0.251 χ^2/NDF:40994157.7/34

Out: 396.807+/-0.232 χ^2/NDF:42354078.1/39

All: 399.545+/-0.170 χ^2/NDF: 83348539.7/74

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 161.931+/-82.871 χ^2/NDF:16.6/21

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -0.566+/-84.740 χ^2/NDF:31.8/19

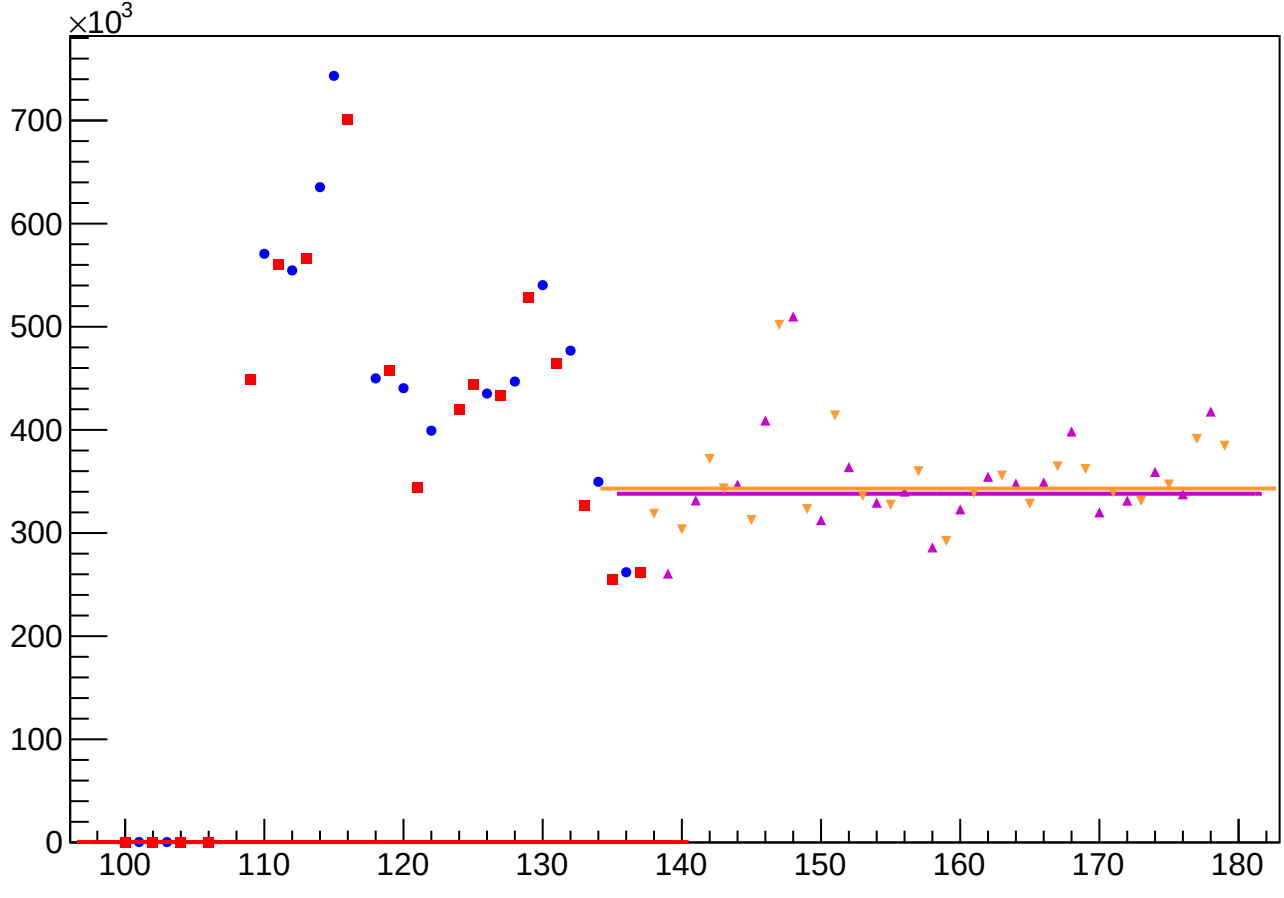
Left: 82.494+/-59.249 χ^2/NDF: 50.2/41

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.020+/-0.347 χ^2/NDF:42.3/35

Out: -0.596+/-0.324 χ^2/NDF:35.4/40

All: -0.328+/-0.237 χ^2/NDF: 79.1/76



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 343150.765+/-58.599 χ^2/NDF:392545.6/21

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 338093.670+/-59.924 χ^2/NDF:582775.5/19

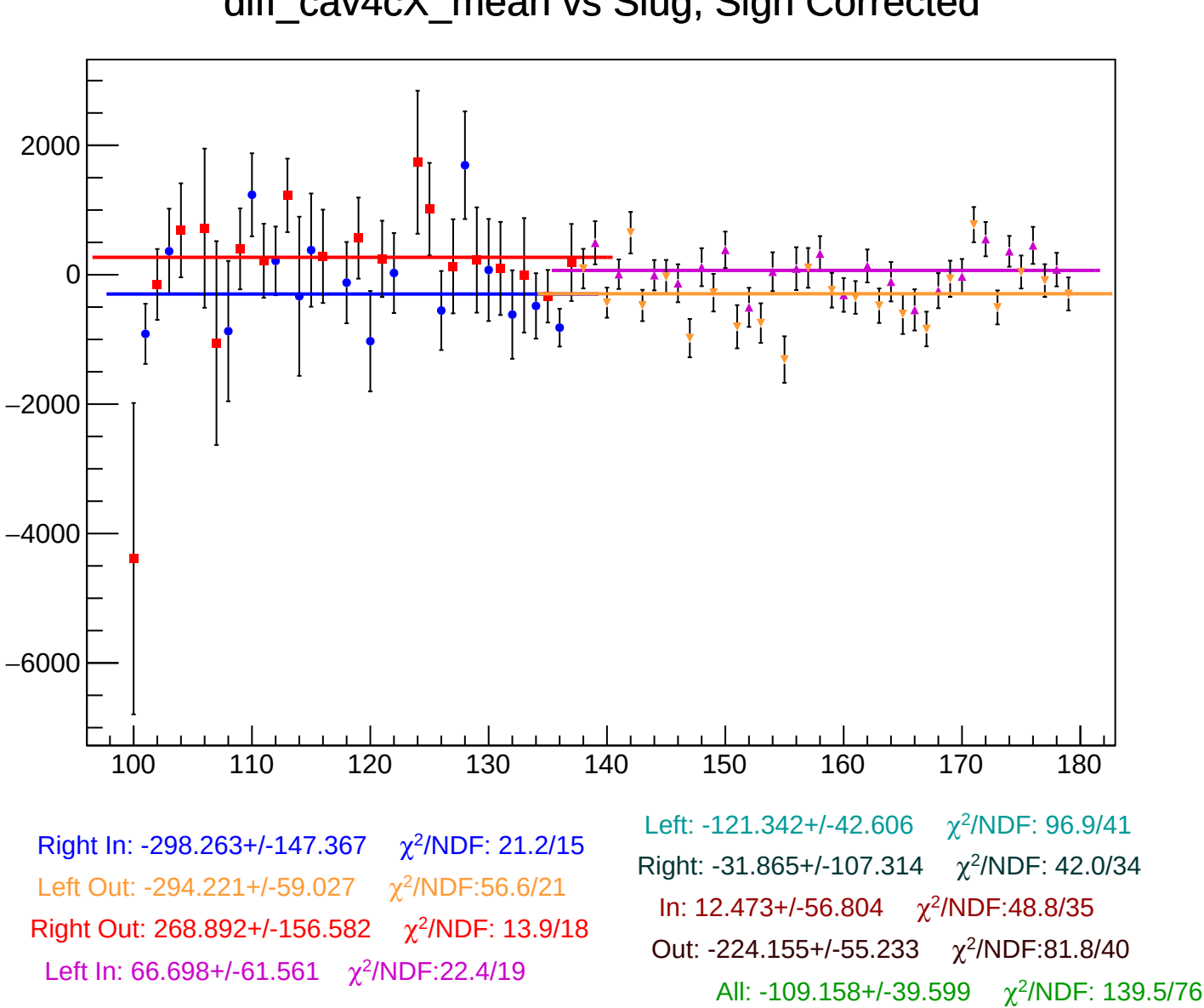
Left: 340678.746+/-41.896 χ^2/NDF: 978961.8/41

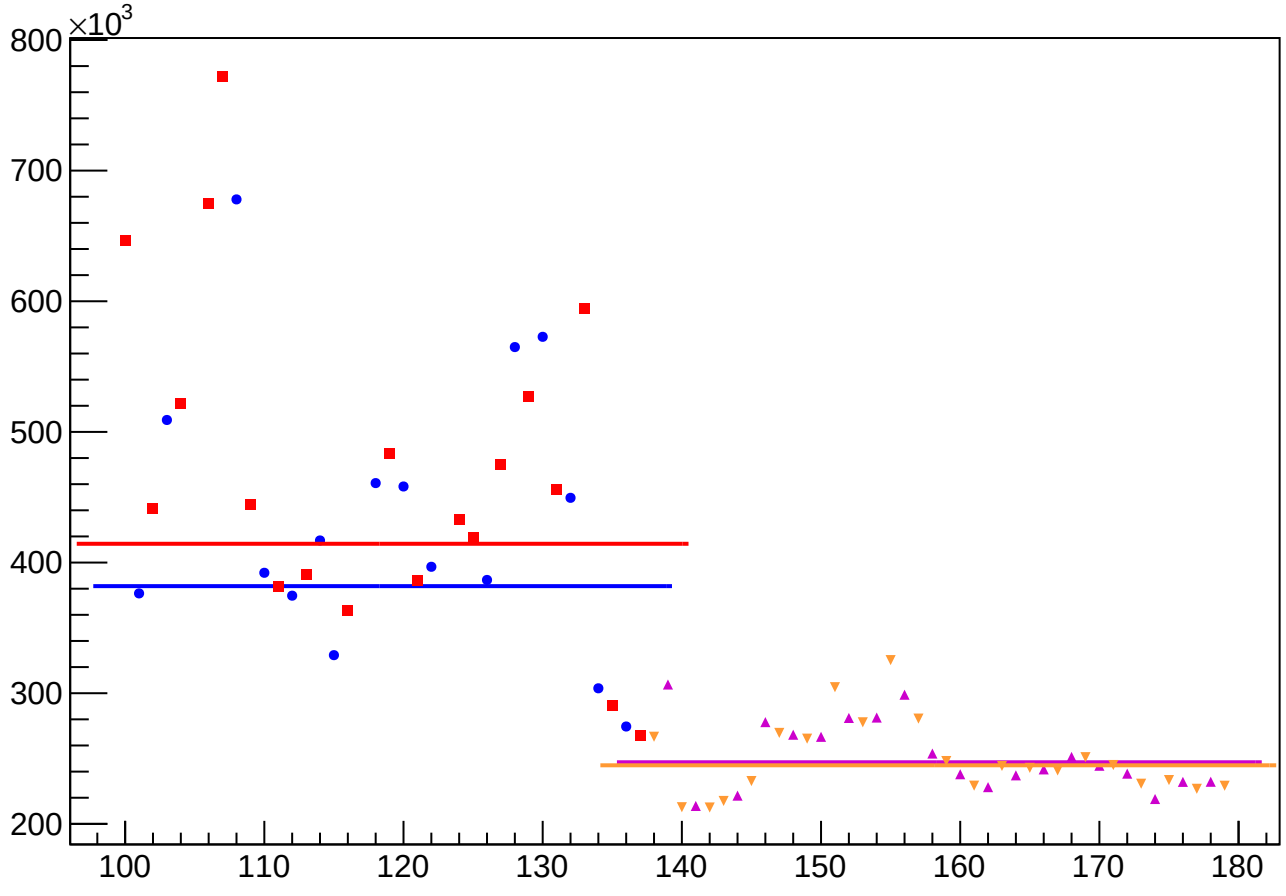
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 395.941+/-0.245 χ^2/NDF:43473959.8/34

Out: 393.217+/-0.229 χ^2/NDF:45680922.5/39

All: 394.485+/-0.167 χ^2/NDF: 89154948.1/74


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -294.221+/-59.027 χ²/NDF:56.6/21
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 66.698+/-61.561 χ²/NDF:22.4/19
Left: -121.342+/-42.606 χ²/NDF: 96.9/41
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: 12.473+/-56.804 χ²/NDF:48.8/35
Out: -224.155+/-55.233 χ²/NDF:81.8/40
All: -109.158+/-39.599 χ²/NDF: 139.5/76



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 244830.299+/-41.739 χ^2/NDF:373477.4/21

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 247145.425+/-43.530 χ^2/NDF:332475.6/19

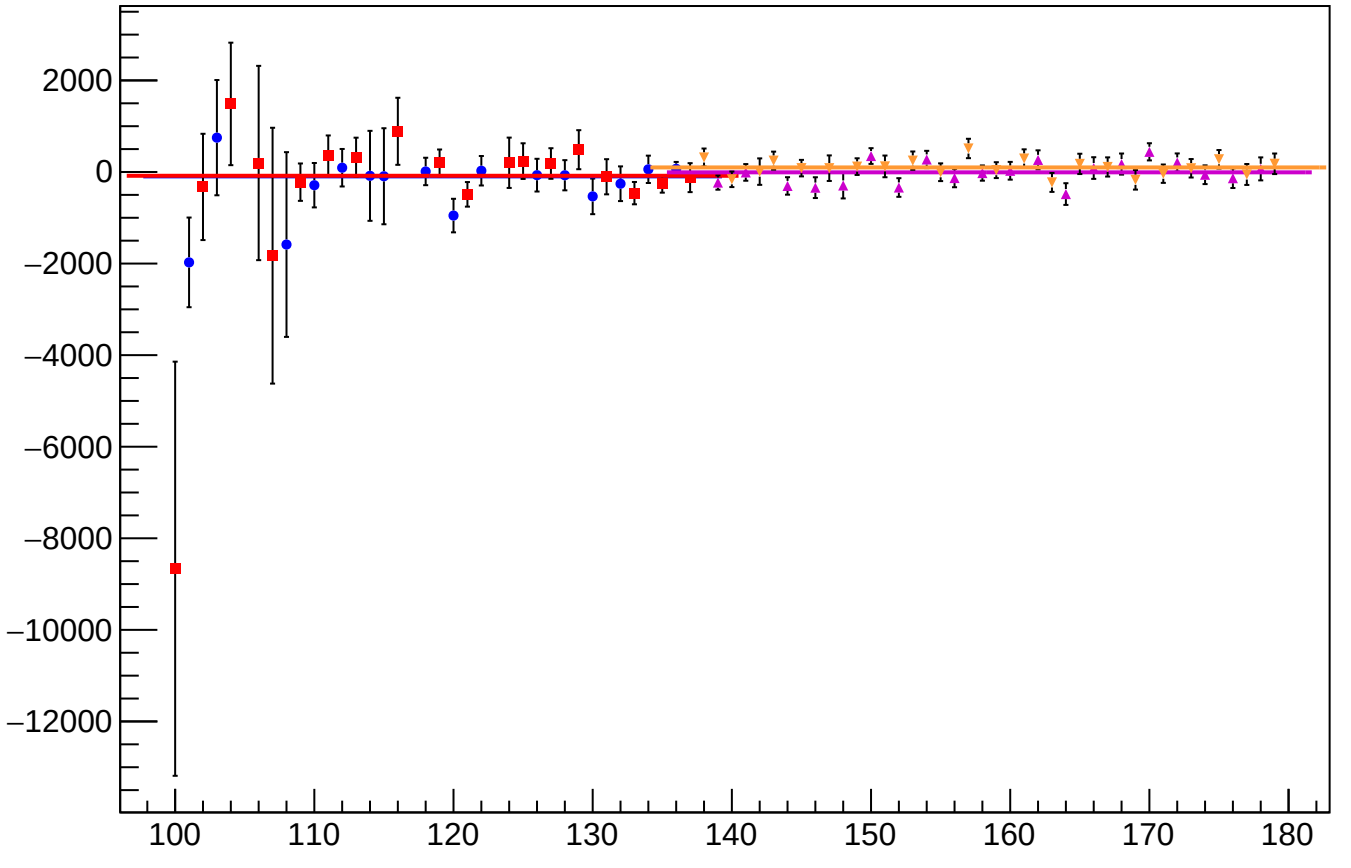
Left: 245939.237+/-30.127 χ^2/NDF: 707426.7/41

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 267169.881+/-40.168 χ^2/NDF:2593594.6/35

Out: 265917.191+/-39.057 χ^2/NDF:3185806.7/40

All: 266525.978+/-28.002 χ^2/NDF: 5779901.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 99.582+/-43.718 χ^2/NDF:16.0/21

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -7.611+/-44.840 χ^2/NDF:31.1/19

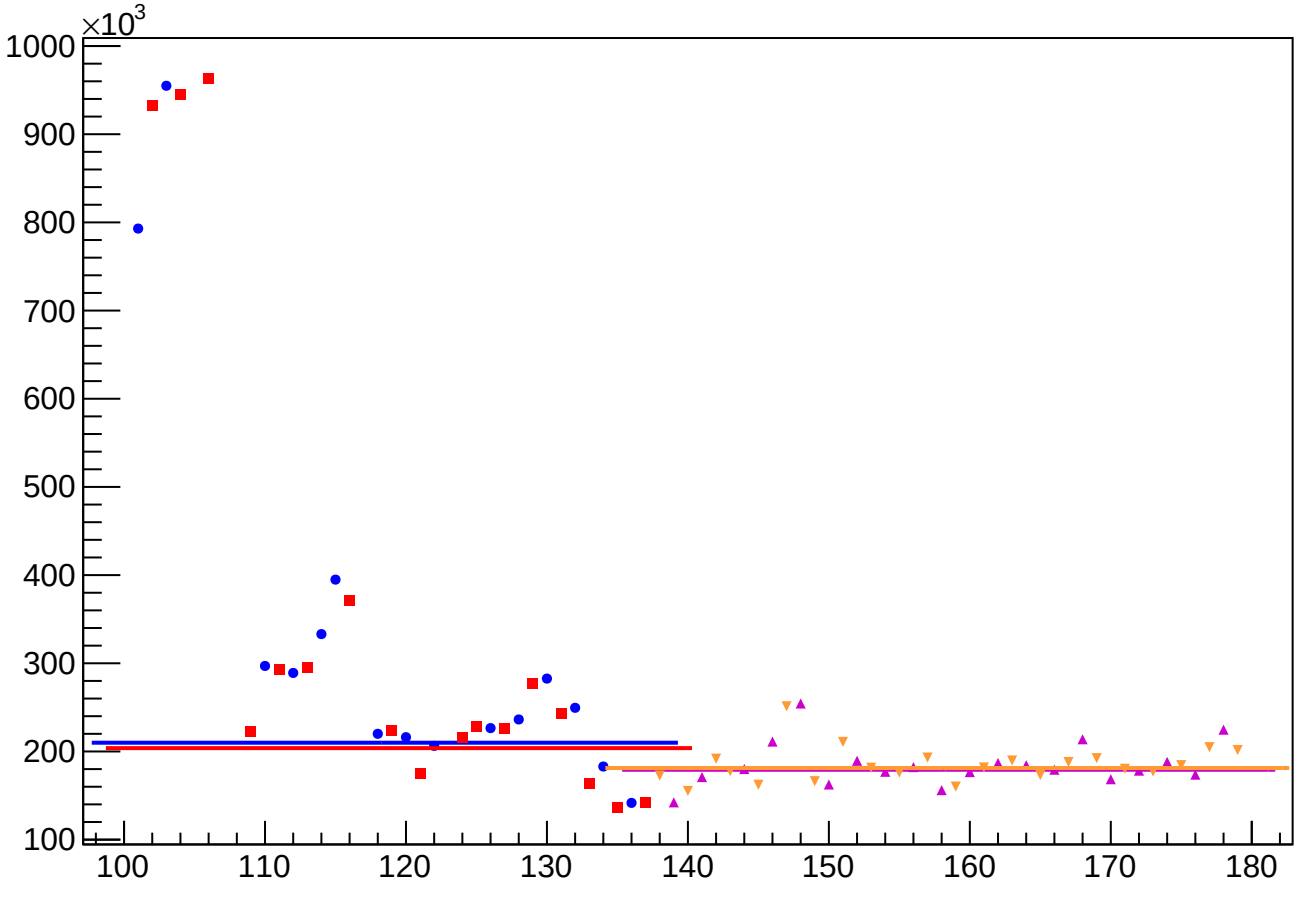
Left: 47.344+/-31.302 χ^2/NDF: 50.1/41

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -25.712+/-39.977 χ^2/NDF:45.6/35

Out: 63.036+/-39.092 χ^2/NDF:38.6/40

All: 19.656+/-27.950 χ^2/NDF: 86.7/76



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 181229.517+/-30.913 χ^2/NDF:336547.1/21

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 179261.588+/-31.707 χ^2/NDF:487430.9/19

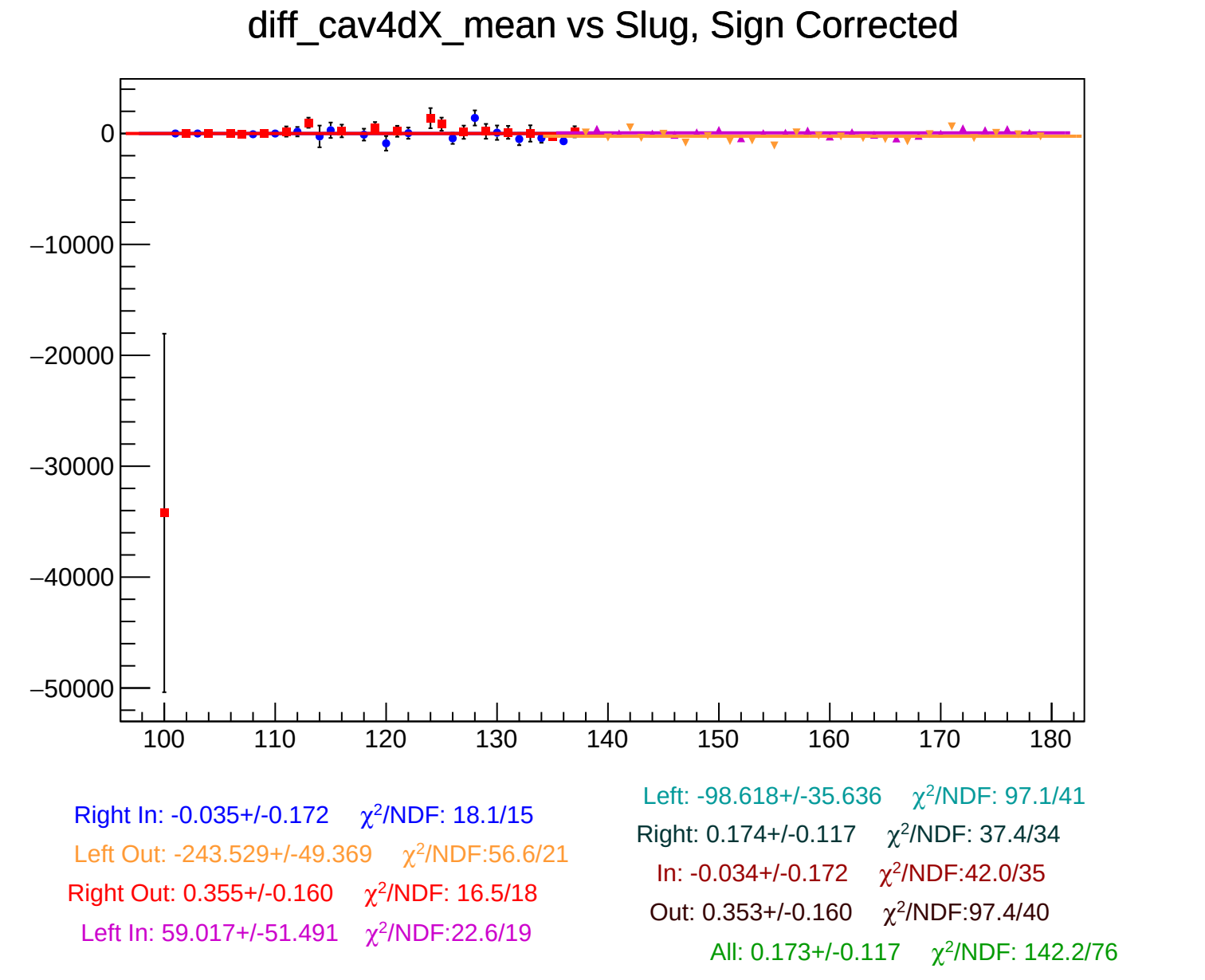
Left: 180270.484+/-22.134 χ^2/NDF: 825952.9/41

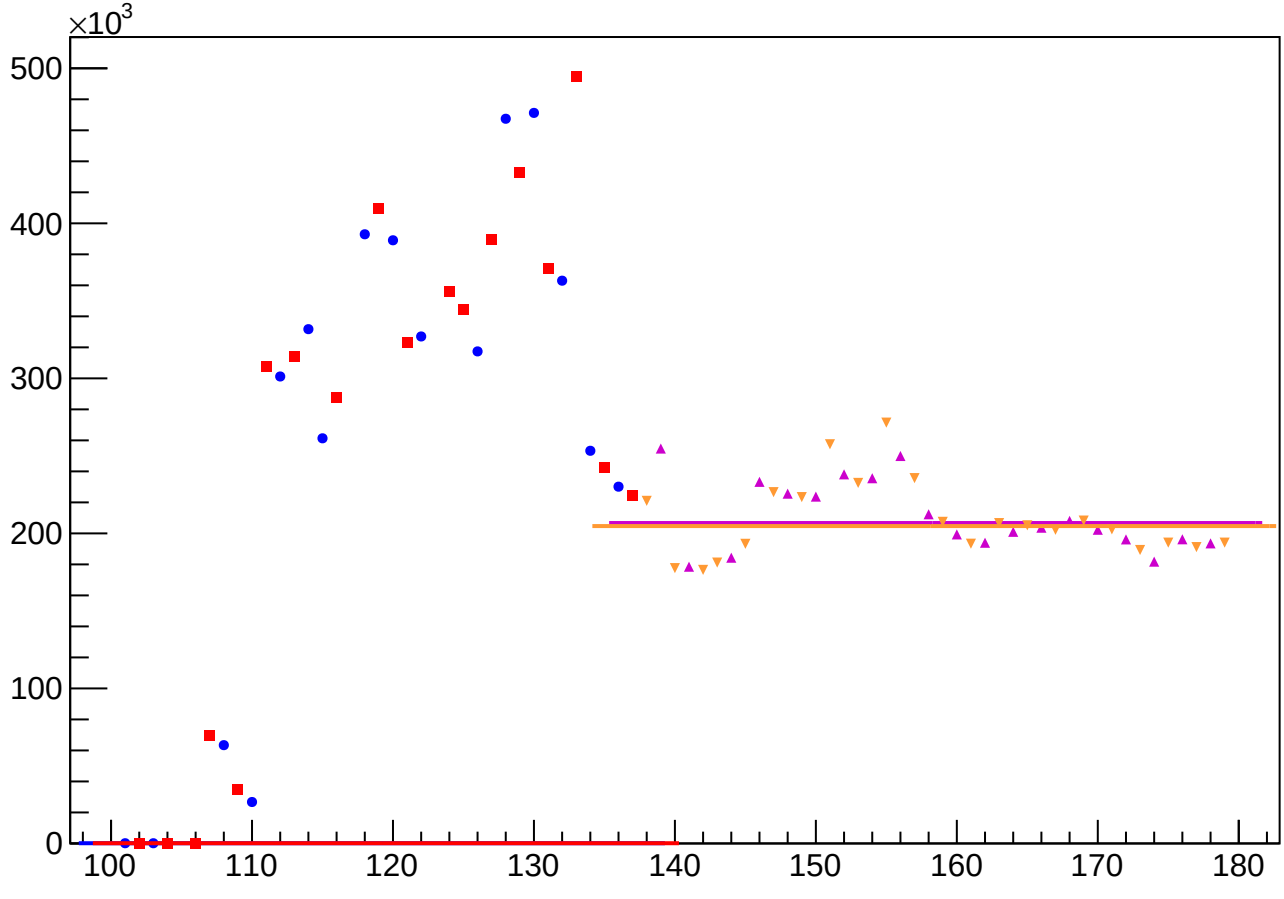
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185535.041+/-28.278 χ^2/NDF:2638705.1/34

Out: 185734.296+/-27.656 χ^2/NDF:2513391.2/38

All: 185636.886+/-19.772 χ^2/NDF: 5152121.


diff_cav4dX_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -0.035+/-0.172 χ²/NDF: 18.1/15
Left Out: -243.529+/-49.369 χ²/NDF:56.6/21
Right Out: 0.355+/-0.160 χ²/NDF: 16.5/18
Left In: 59.017+/-51.491 χ²/NDF:22.6/19
Left: -98.618+/-35.636 χ²/NDF: 97.1/41
Right: 0.174+/-0.117 χ²/NDF: 37.4/34
In: -0.034+/-0.172 χ²/NDF:42.0/35
Out: 0.353+/-0.160 χ²/NDF:97.4/40
All: 0.173+/-0.117 χ²/NDF: 142.2/76



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 204723.177+/-34.909 χ^2/NDF:386426.2/21

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 206688.769+/-36.409 χ^2/NDF:340877.1/19

Left: 205664.639+/-25.198 χ^2/NDF: 728821.8/41

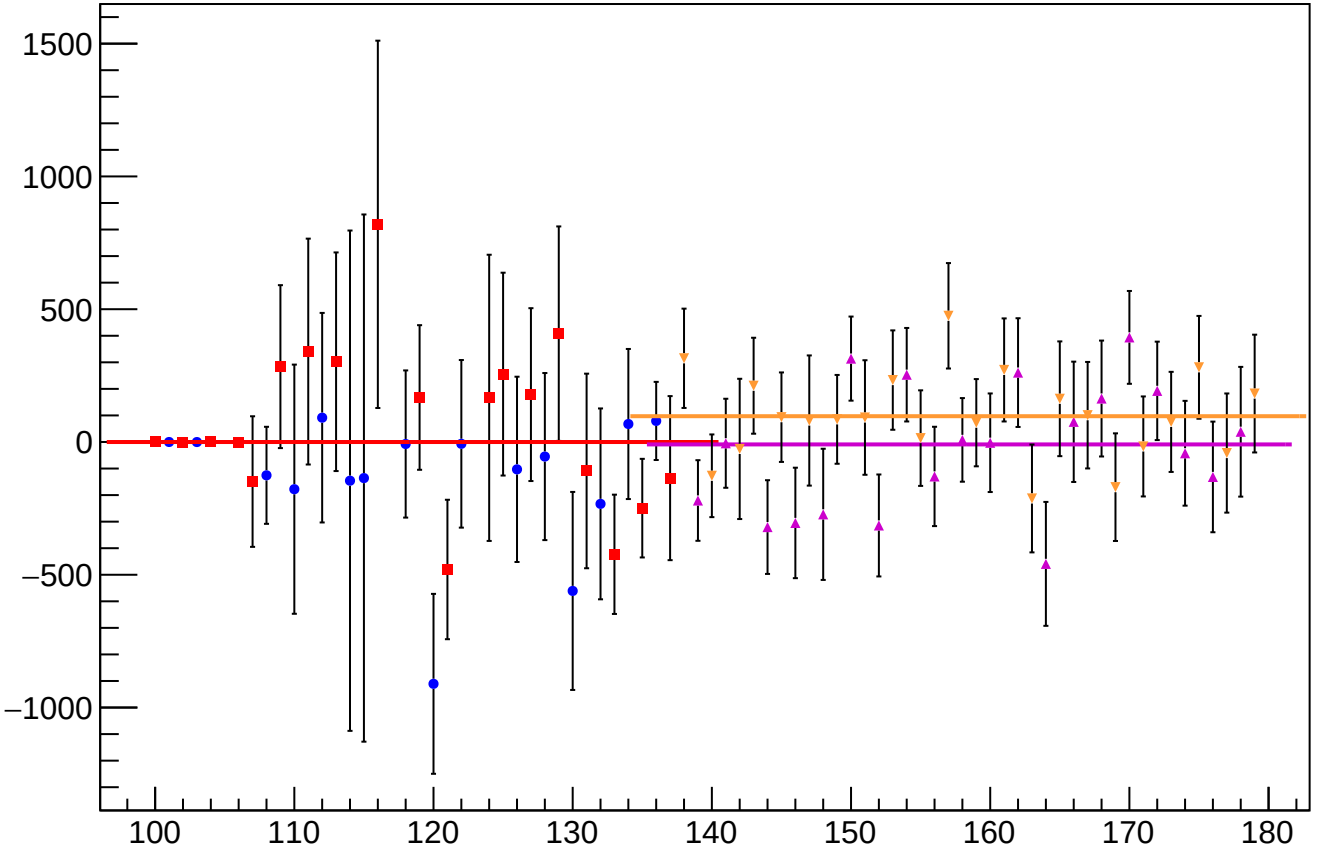
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.404+/-0.122 χ^2/NDF:43821894.7/35

Out: 151.531+/-0.113 χ^2/NDF:46016661.2/39

All: 151.472+/-0.083 χ^2/NDF: 89838556.4/75

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 97.096+/-41.151 χ^2/NDF:15.2/21

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -9.164+/-42.337 χ^2/NDF:30.7/19

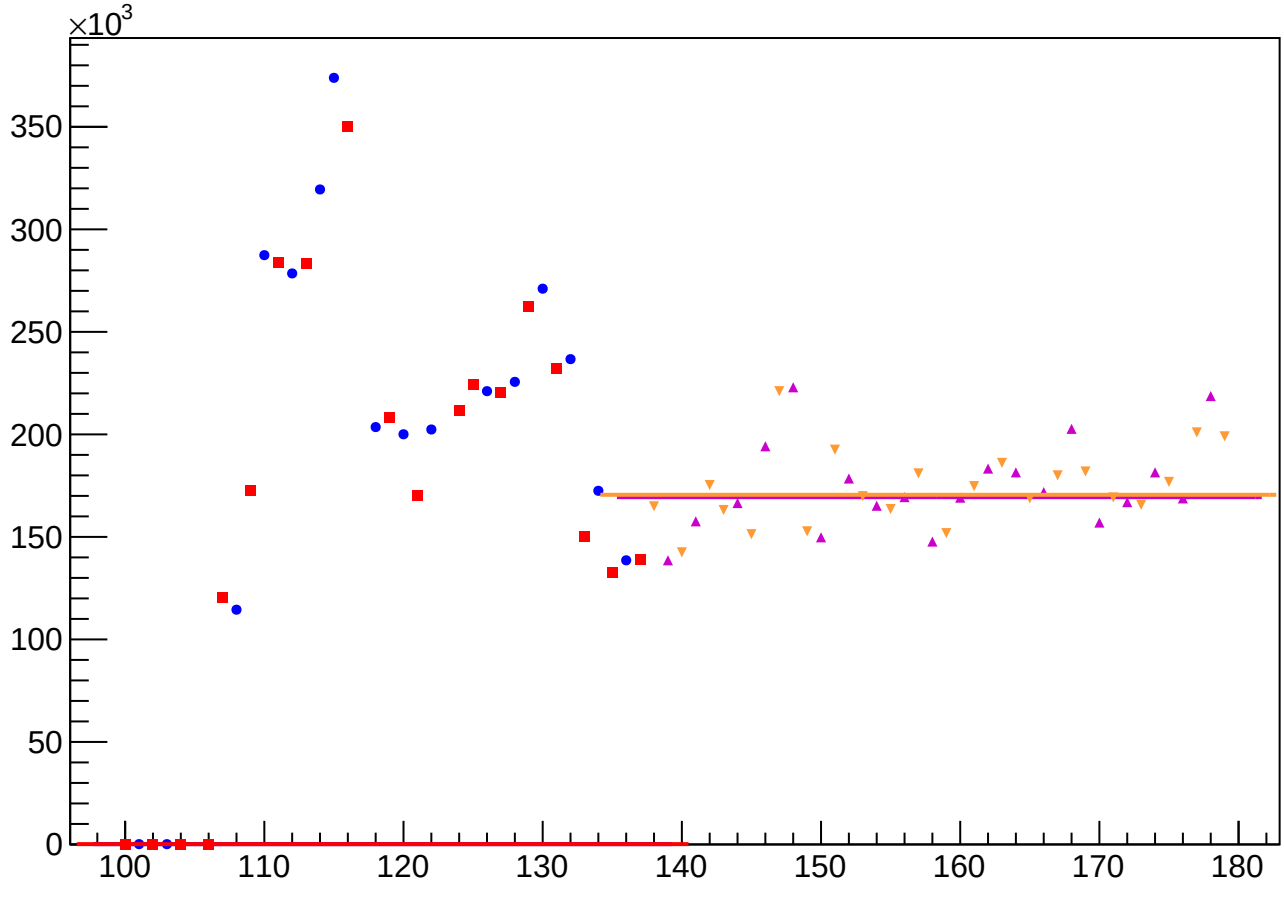
Left: 45.476+/-29.508 χ^2/NDF: 49.2/41

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:42.0/35

Out: -0.124+/-0.166 χ^2/NDF:36.1/40

All: -0.098+/-0.121 χ^2/NDF: 78.1/76



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 170541.827+/-29.098 χ^2/NDF:356792.7/21

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 169391.575+/-29.937 χ^2/NDF:450370.0/19

Left: 169983.046+/-20.866 χ^2/NDF: 807921.8/41

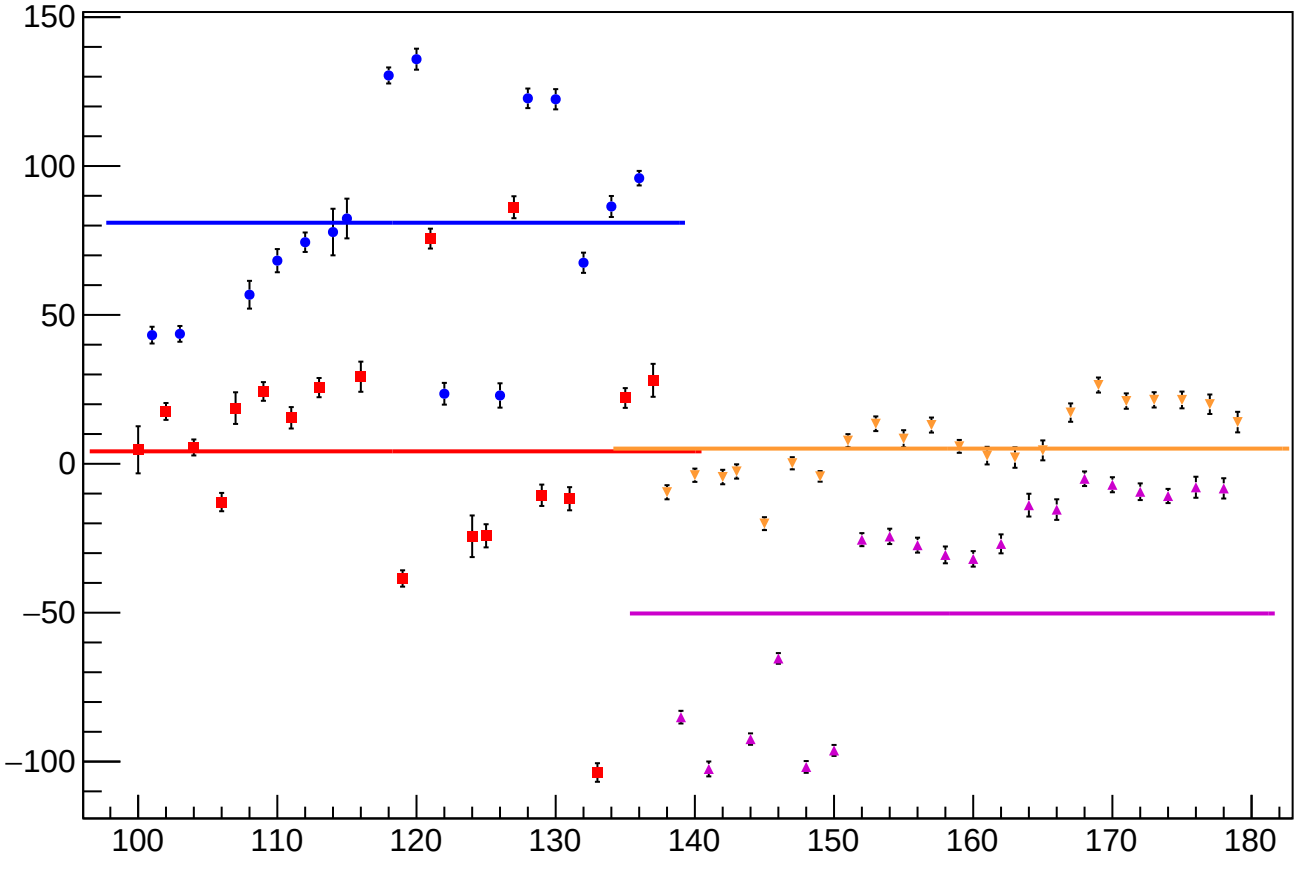
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.426+/-0.125 χ^2/NDF:44312858.6/35

Out: 158.946+/-0.118 χ^2/NDF:45975165.2/40

All: 157.765+/-0.086 χ^2/NDF: 90288238.7/76

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 5.104+/-0.534 χ^2/NDF:500.1/21

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -50.264+/-0.547 χ^2/NDF:4631.7/19

Left: -21.936+/-0.382 χ^2/NDF: 10380.0/41

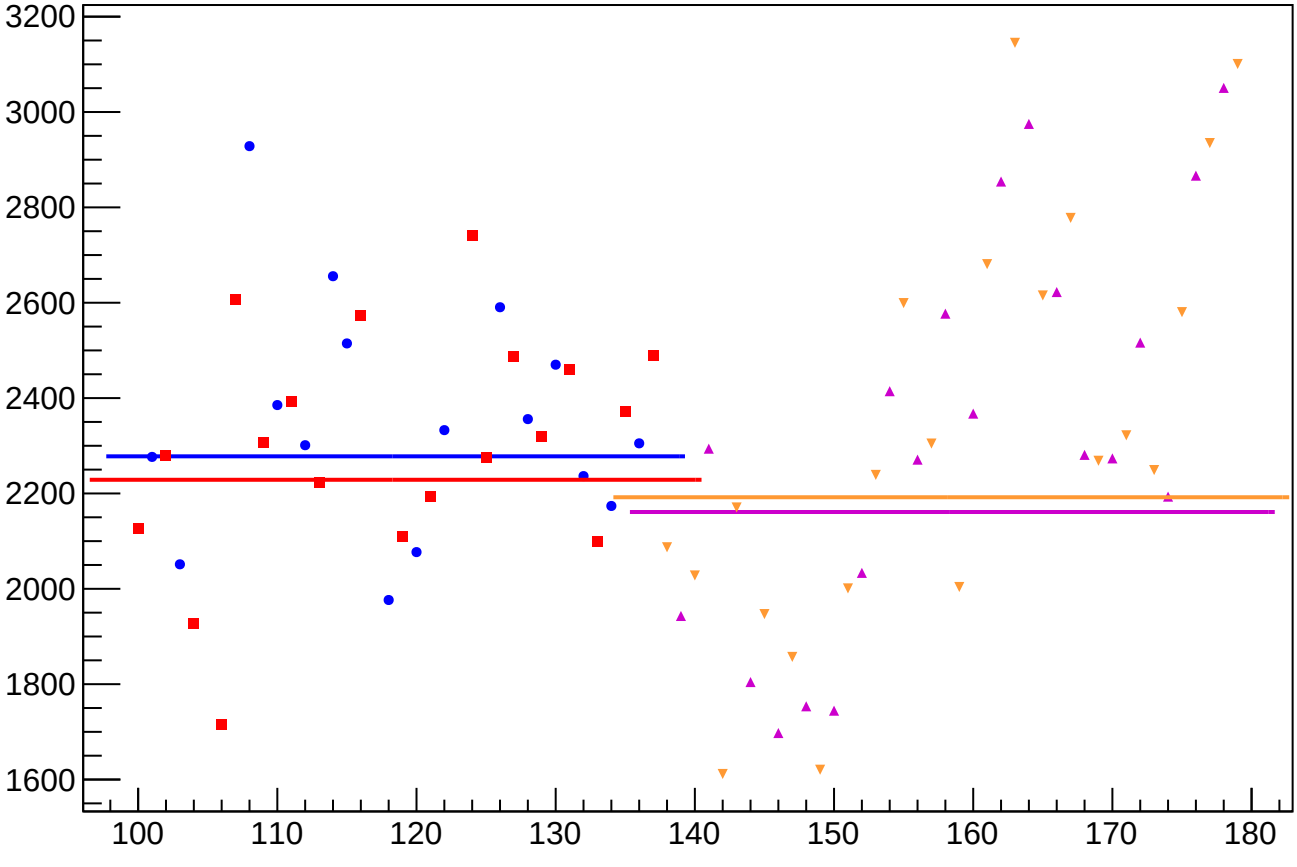
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.961+/-0.460 χ^2/NDF:23263.3/35

Out: 4.830+/-0.448 χ^2/NDF:3220.7/40

All: -3.335+/-0.321 χ^2/NDF: 27168.4/76

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2192.038+/-0.378 χ^2/NDF:1090117.3/21

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2161.102+/-0.387 χ^2/NDF:981080.3/19

Left: 2176.929+/-0.270 χ^2/NDF: 2074474.4/41

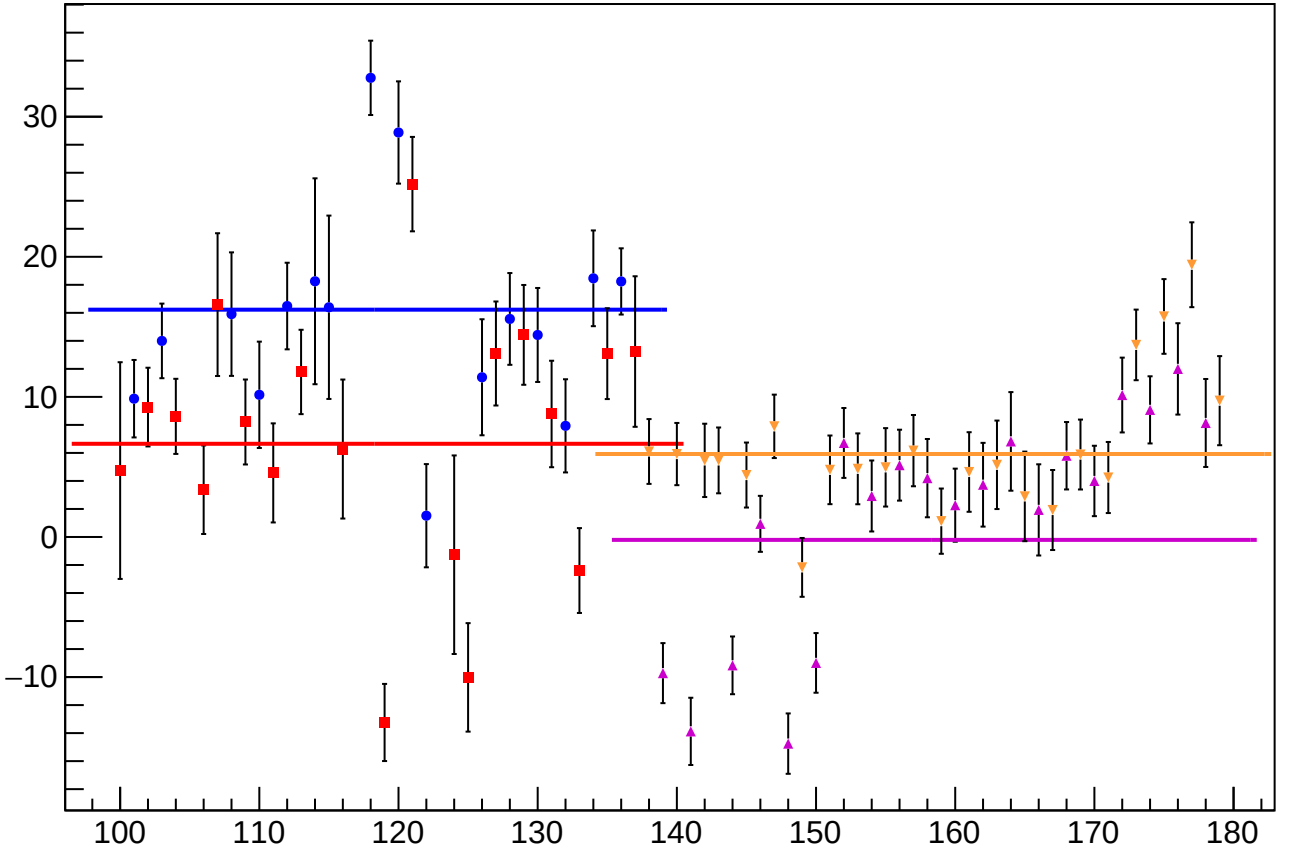
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2195.185+/-0.325 χ^2/NDF:1123485.4/35

Out: 2202.953+/-0.316 χ^2/NDF:1244057.8/40

All: 2199.176+/-0.227 χ^2/NDF: 2367836.1/76

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.923+/-0.544 χ^2/NDF:68.9/21

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.207+/-0.560 χ^2/NDF:217.2/19

Left: 2.948+/-0.390 χ^2/NDF: 347.8/41

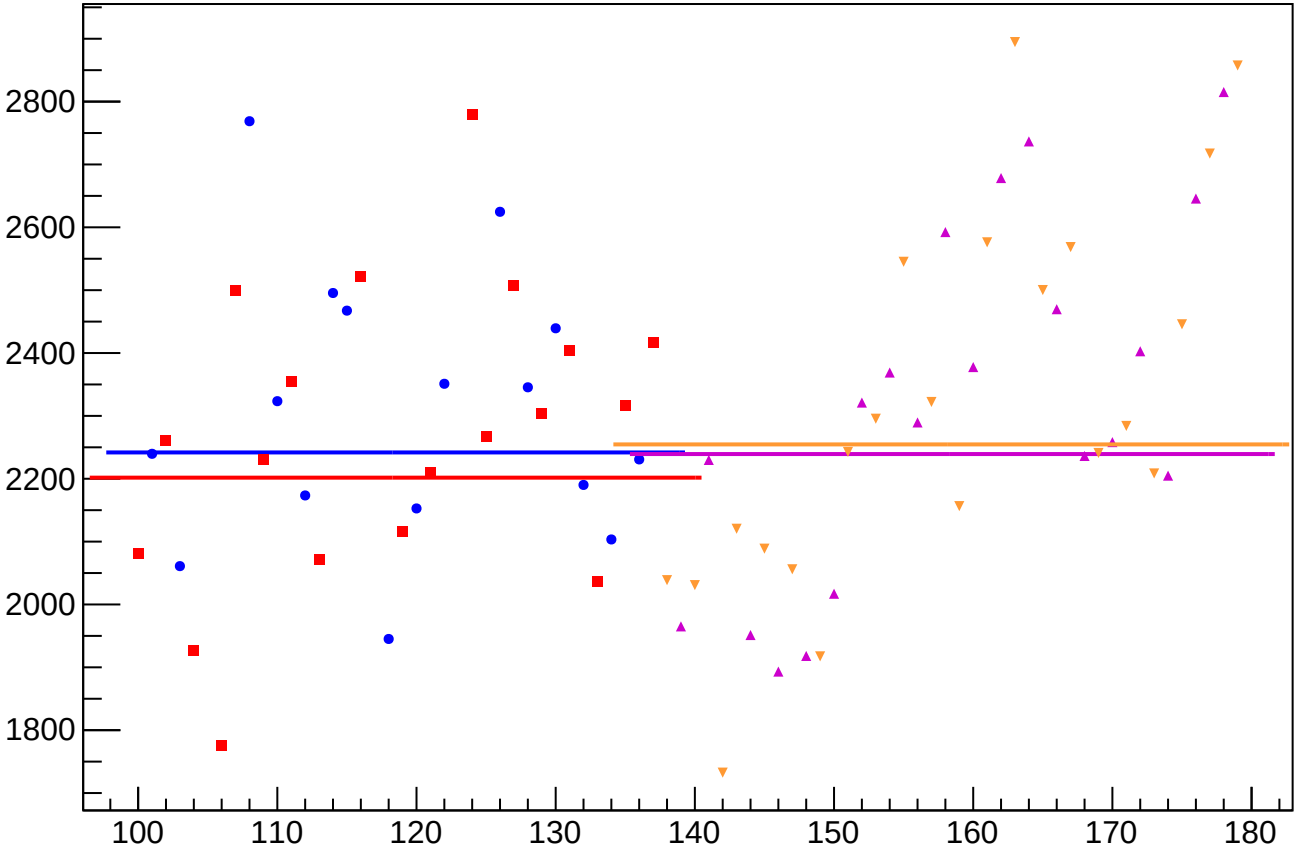
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.869+/-0.466 χ^2/NDF:567.8/35

Out: 6.150+/-0.451 χ^2/NDF:204.0/40

All: 5.529+/-0.324 χ^2/NDF: 775.7/76

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2254.633+/-0.385 χ^2/NDF:501770.1/21

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2239.291+/-0.396 χ^2/NDF:443227.9/19

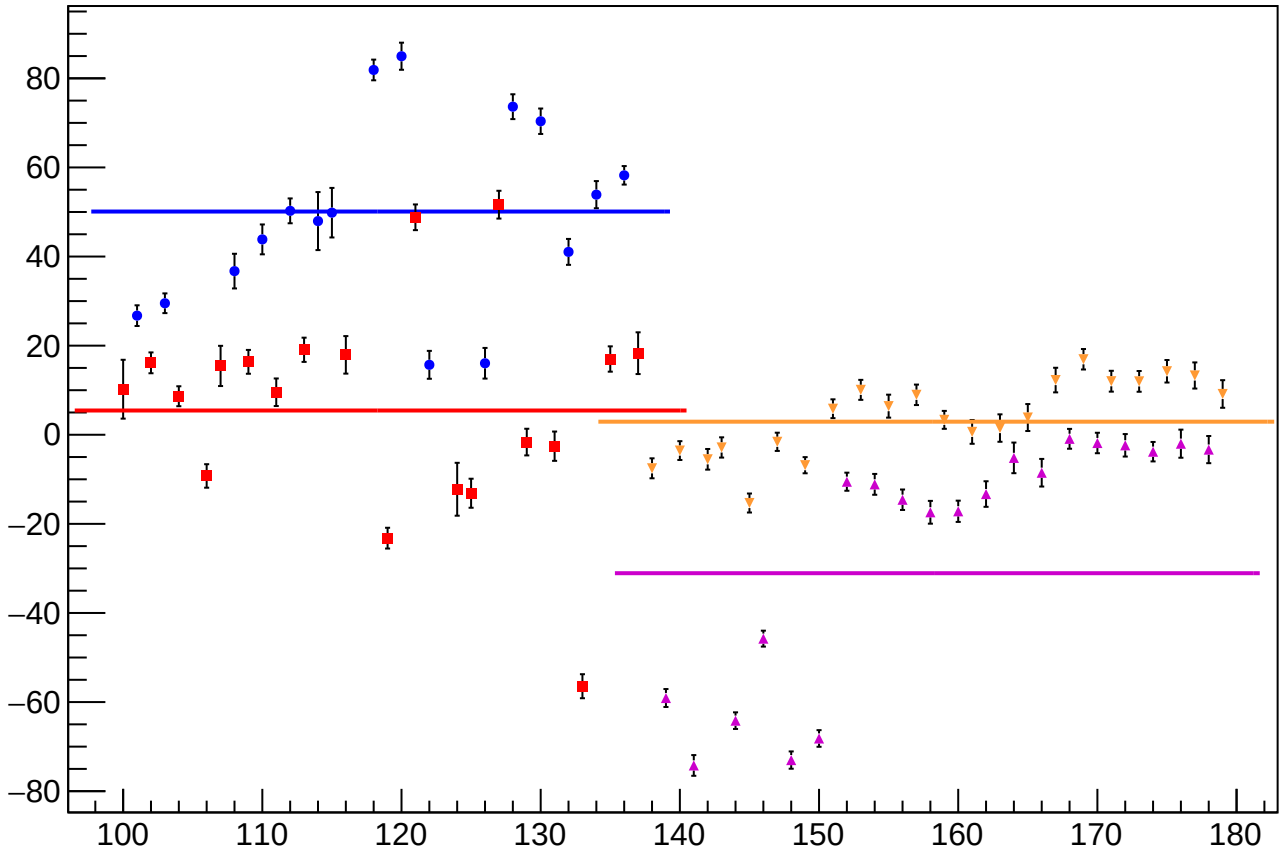
Left: 2247.186+/-0.276 χ^2/NDF: 945770.5/41

Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2240.082+/-0.329 χ^2/NDF:545501.6/35

Out: 2238.176+/-0.319 χ^2/NDF:637538.0/40

All: 2239.100+/-0.229 χ^2/NDF: 1183056.8/76



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.935+/-0.500 χ^2/NDF:295.4/21

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -31.074+/-0.513 χ^2/NDF:3015.6/19

Left: -13.649+/-0.358 χ^2/NDF: 5564.4/41

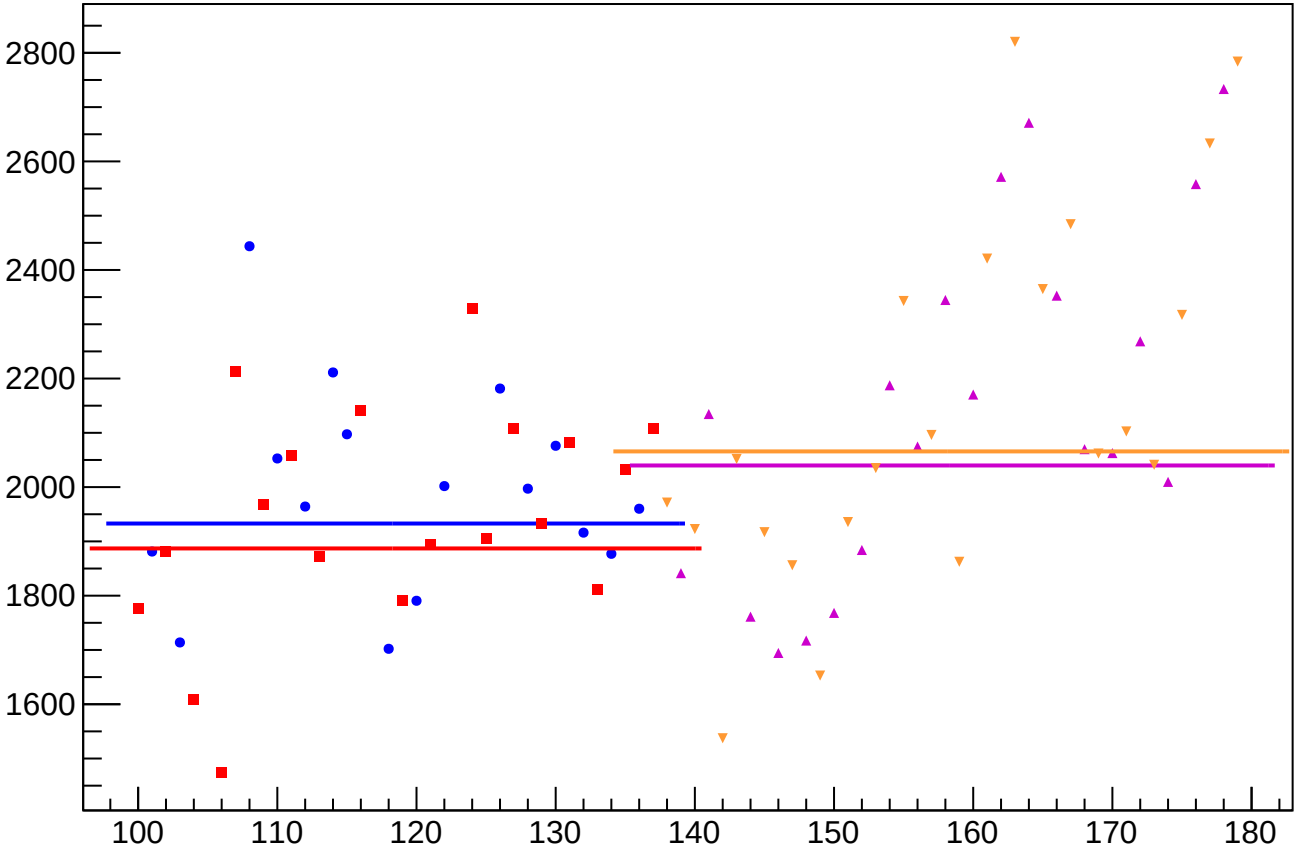
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.860+/-0.418 χ^2/NDF:12304.4/35

Out: 3.793+/-0.406 χ^2/NDF:1615.5/40

All: 0.080+/-0.291 χ^2/NDF: 14092.3/76

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2065.761+/-0.354 χ^2/NDF:726541.8/21

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2039.849+/-0.363 χ^2/NDF:625184.0/19

Left: 2053.125+/-0.253 χ^2/NDF: 1354342.0/41

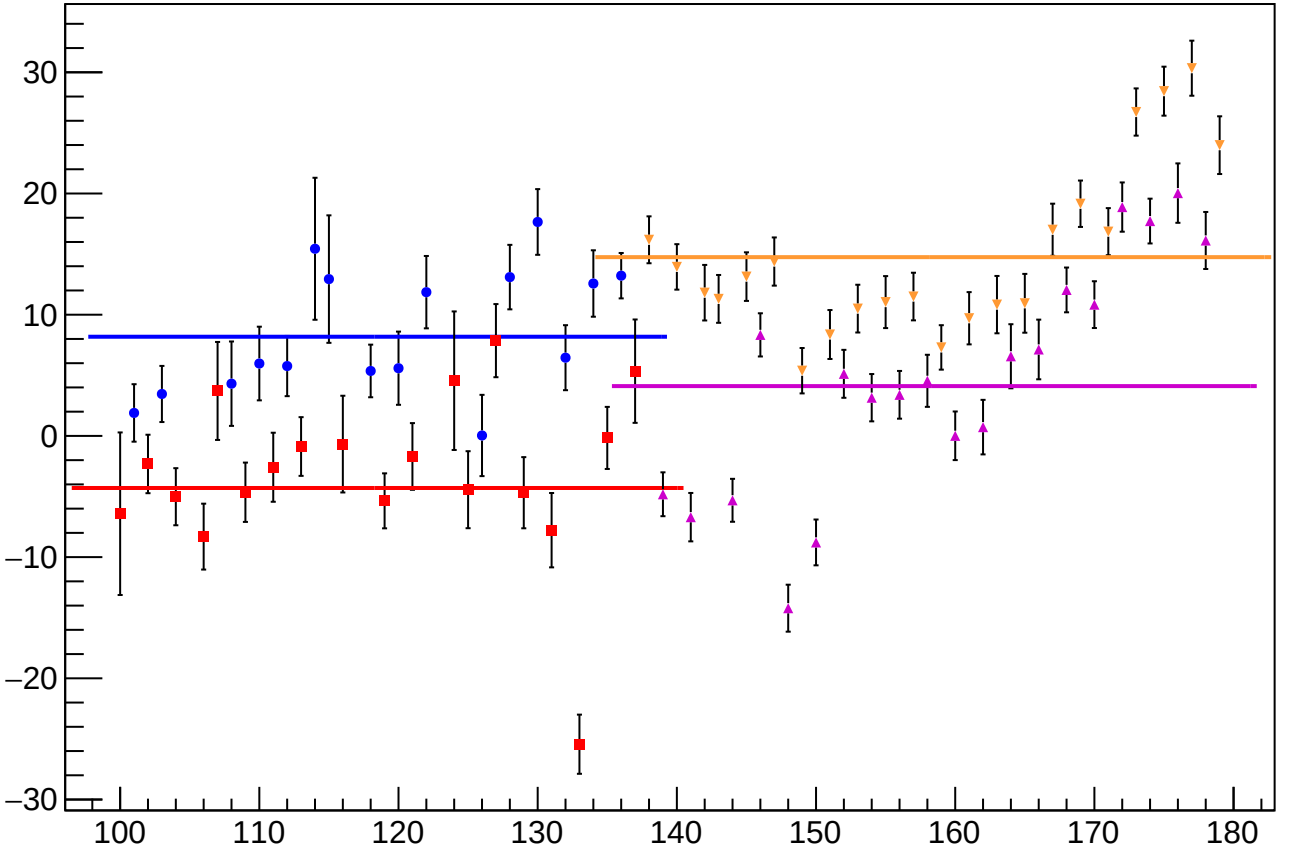
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 2003.995+/-0.296 χ^2/NDF:760310.8/35

Out: 2004.662+/-0.287 χ^2/NDF:963555.3/40

All: 2004.339+/-0.206 χ^2/NDF: 1723868.7/76

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.749+/-0.436 χ^2/NDF:232.1/21

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 4.109+/-0.451 χ^2/NDF:439.1/19

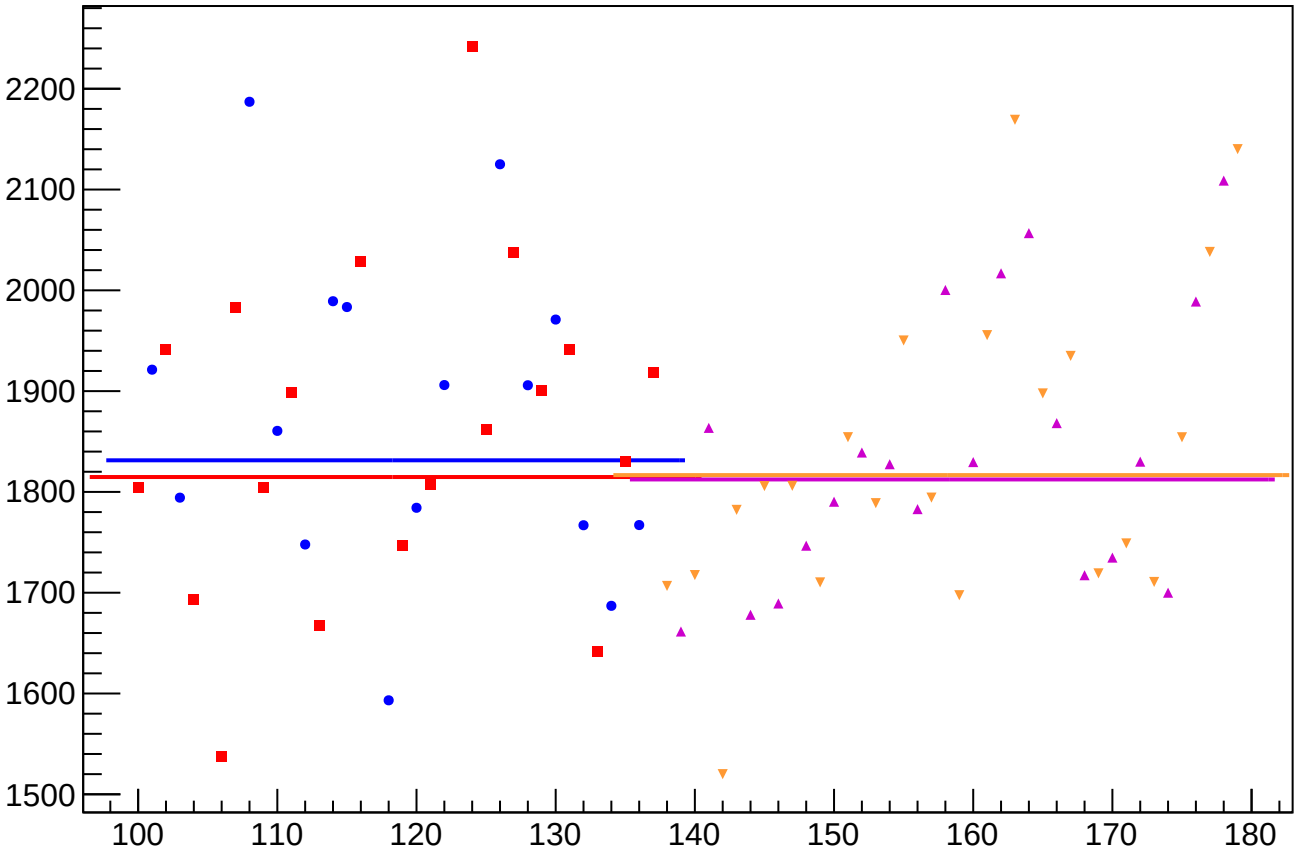
Left: 9.603+/-0.313 χ^2/NDF: 959.1/41

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.343+/-0.376 χ^2/NDF:515.8/35

Out: 9.028+/-0.365 χ^2/NDF:919.1/40

All: 7.242+/-0.262 χ^2/NDF: 1484.4/76



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1816.678+/-0.308 χ^2/NDF:201438.6/21

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1812.369+/-0.319 χ^2/NDF:148071.3/19

Left: 1814.593+/-0.222 χ^2/NDF: 349604.4/41

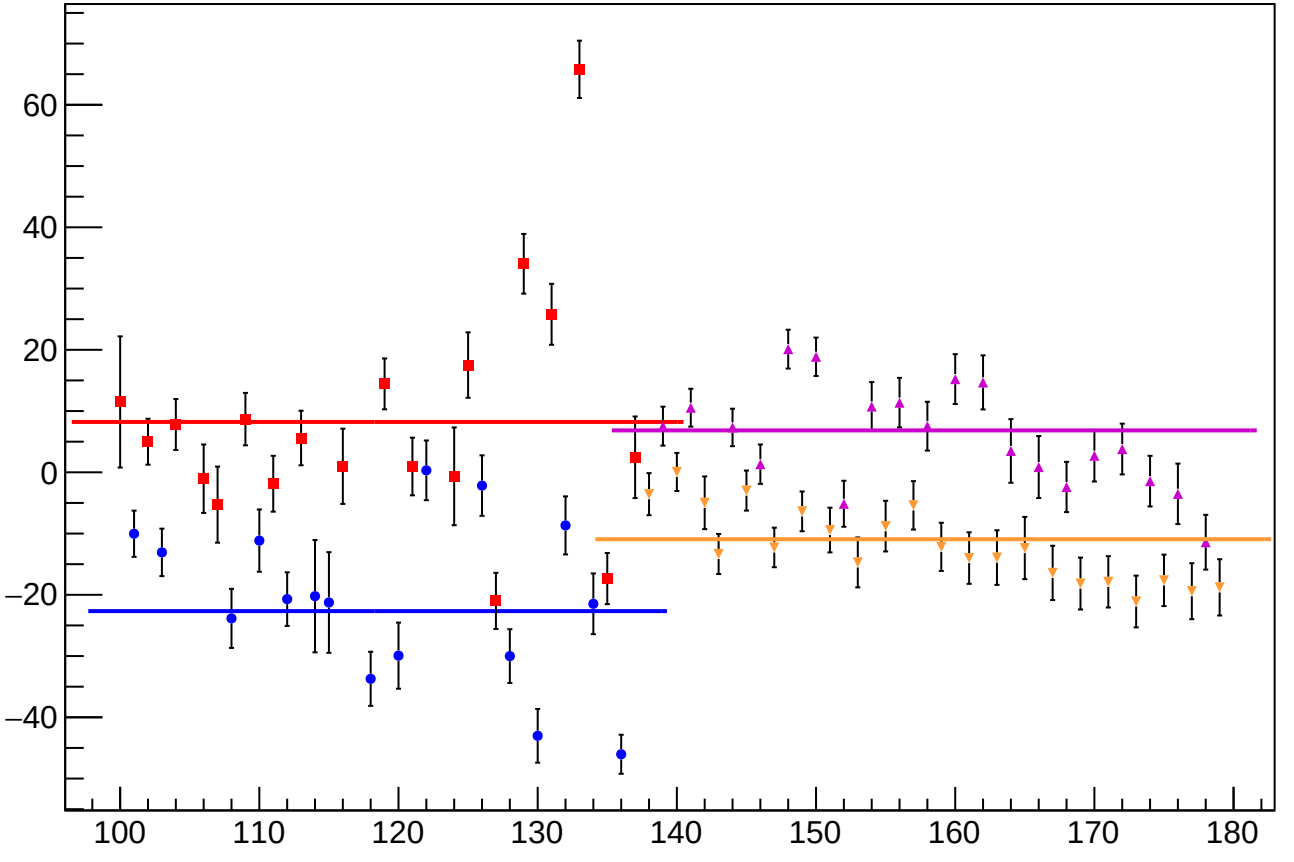
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1818.120+/-0.266 χ^2/NDF:236066.7/35

Out: 1816.106+/-0.258 χ^2/NDF:292188.7/40

All: 1817.082+/-0.185 χ^2/NDF: 528285.0/76

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.926+/-0.828 χ^2/NDF:53.9/21

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 6.842+/-0.852 χ^2/NDF:89.9/19

Left: -2.300+/-0.594 χ^2/NDF: 367.6/41

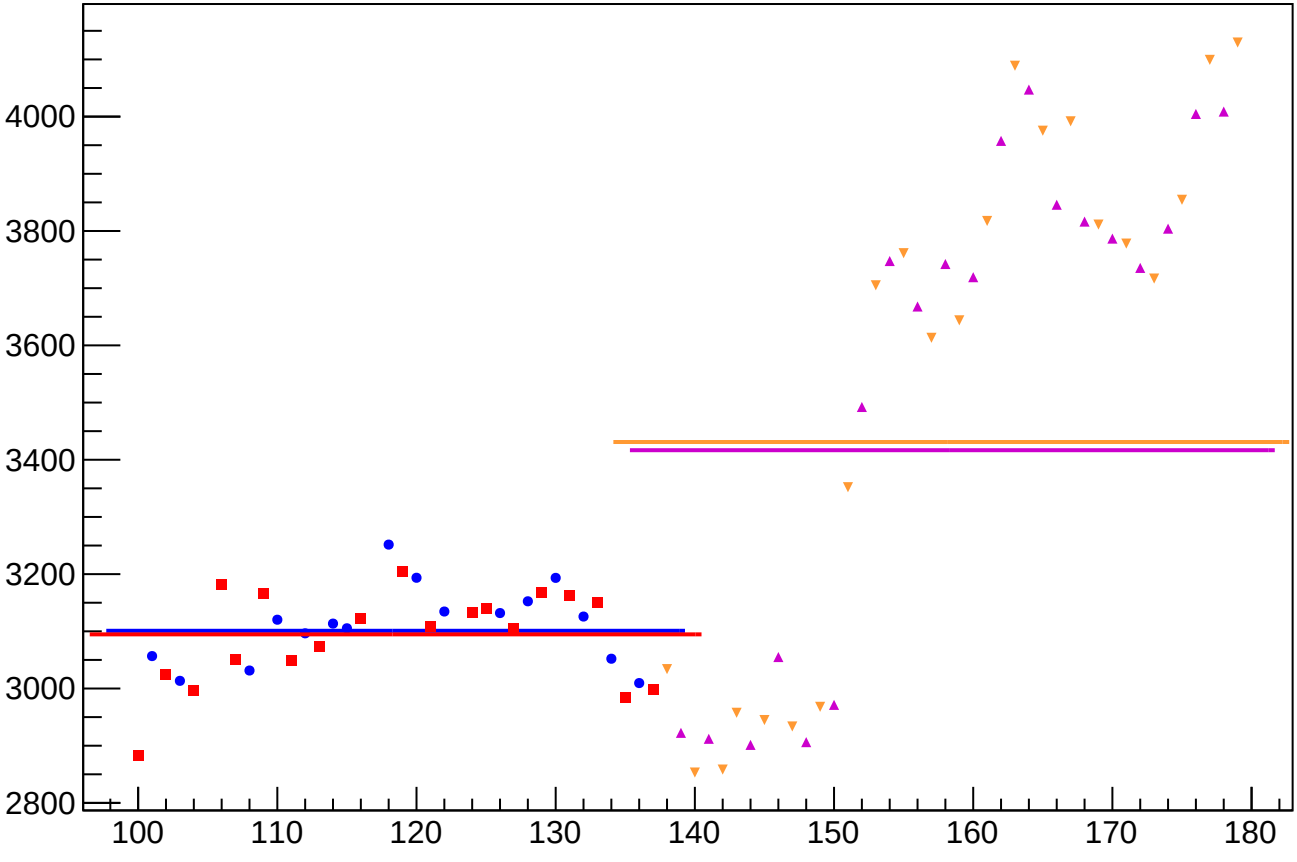
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.593+/-0.685 χ^2/NDF:671.1/35

Out: -4.230+/-0.667 χ^2/NDF:535.9/40

All: -3.920+/-0.478 χ^2/NDF: 1207.5/76

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3431.041+/-0.585 χ^2/NDF:602203.6/21

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3416.698+/-0.603 χ^2/NDF:523574.5/19

Left: 3424.078+/-0.420 χ^2/NDF: 1126069.6/41

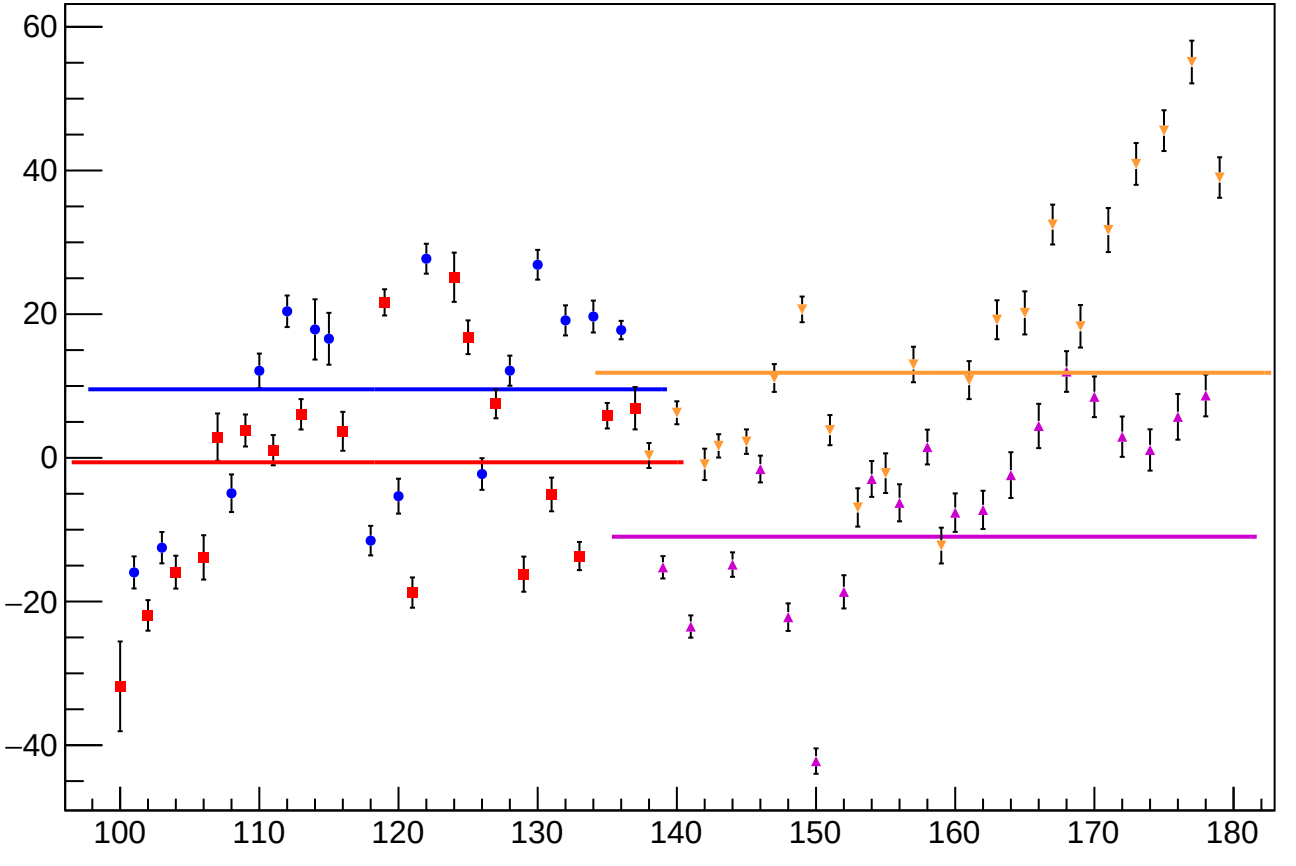
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3305.022+/-0.484 χ^2/NDF:628593.6/35

Out: 3313.431+/-0.472 χ^2/NDF:726272.1/40

All: 3309.335+/-0.338 χ^2/NDF: 1355020.3/76

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.847+/-0.483 χ^2/NDF:1031.1/21

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -10.975+/-0.505 χ^2/NDF:765.3/19

Left: 0.940+/-0.349 χ^2/NDF: 2861.8/41

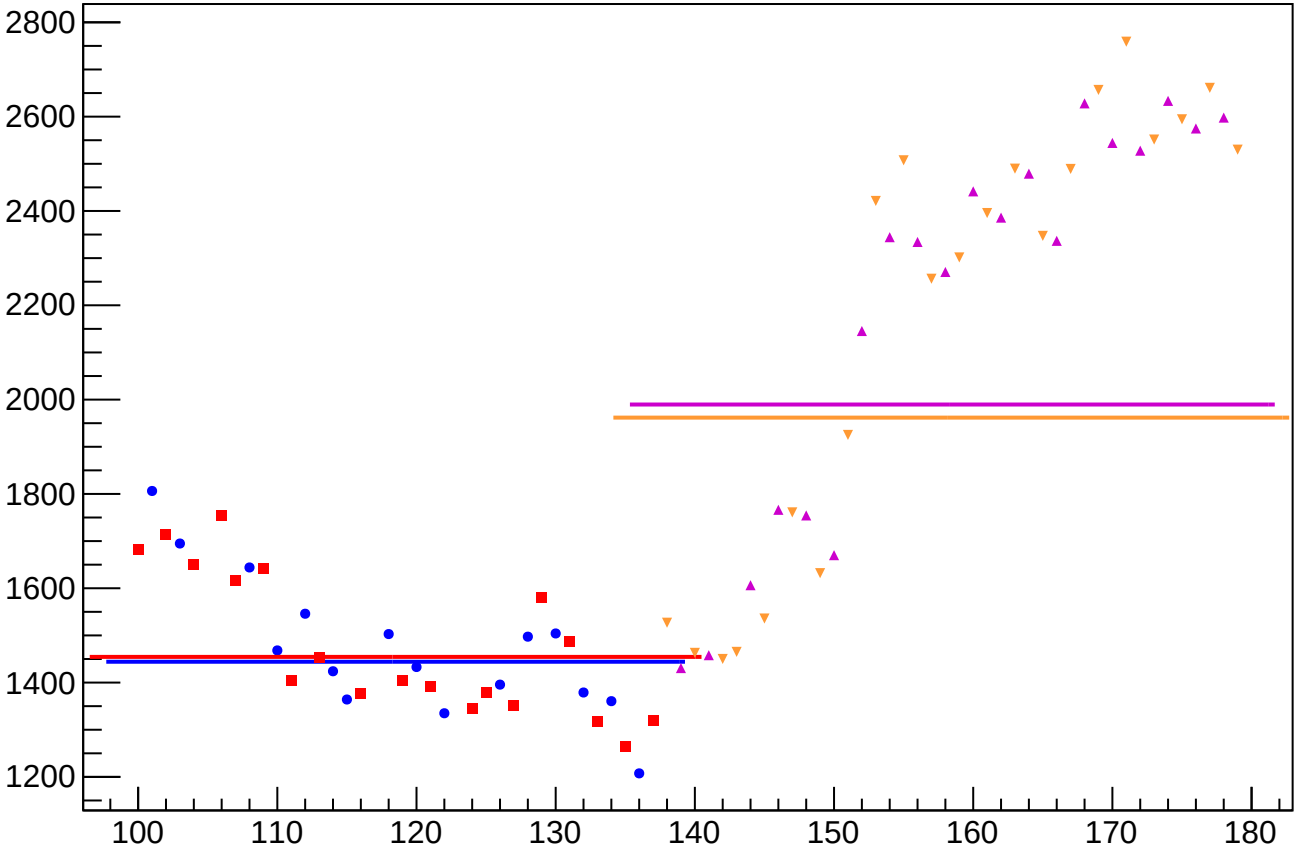
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.424+/-0.369 χ^2/NDF:2231.7/35

Out: 6.234+/-0.358 χ^2/NDF:1996.4/40

All: 2.520+/-0.257 χ^2/NDF: 4449.6/76

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1961.820+/-0.342 χ^2/NDF:1888161.2/21

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1989.595+/-0.357 χ^2/NDF:1510704.6/19

Left: 1975.095+/-0.247 χ^2/NDF: 3402021.8/41

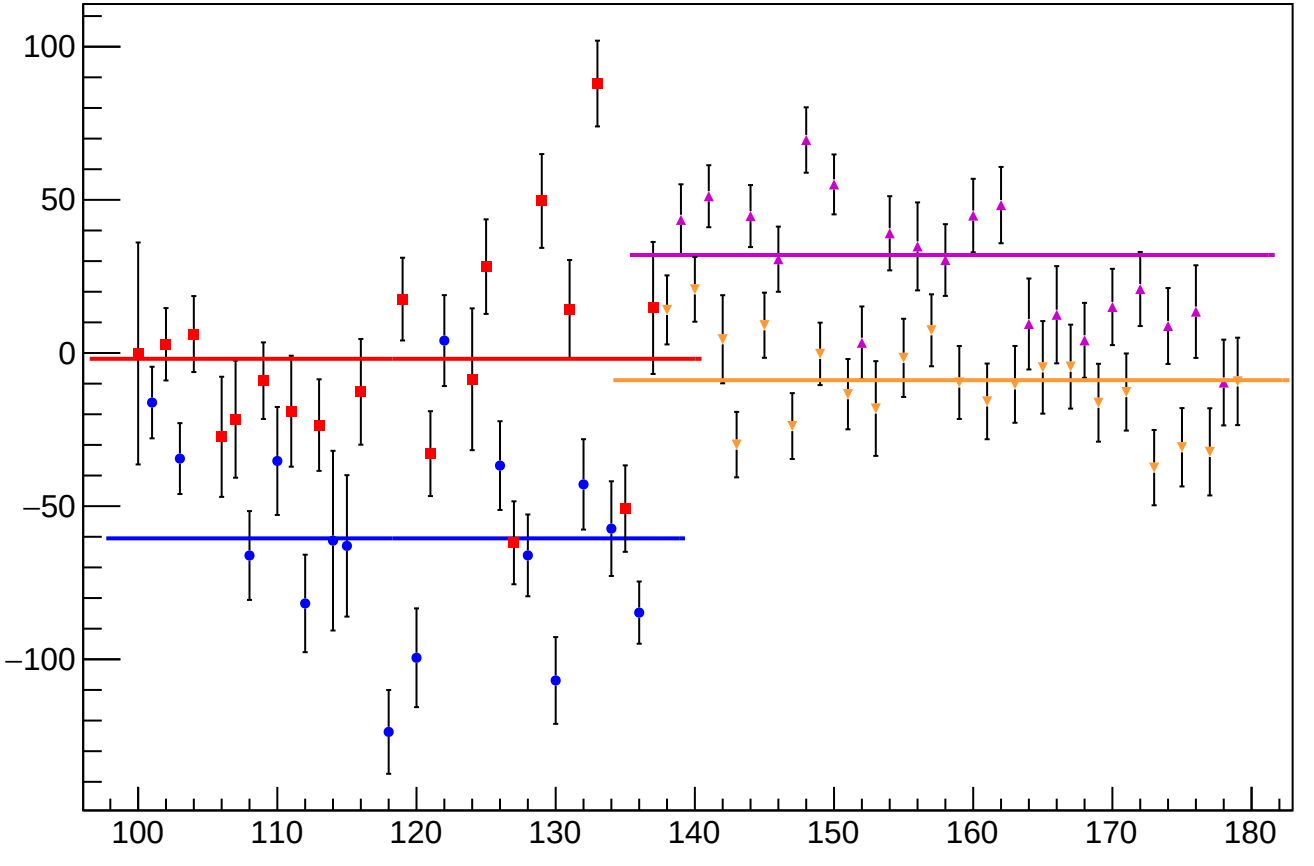
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1735.690+/-0.261 χ^2/NDF:2776063.0/35

Out: 1733.385+/-0.253 χ^2/NDF:3023021.9/40

All: 1734.503+/-0.182 χ^2/NDF: 5799125.0/76

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.871+/-2.604 χ^2/NDF:37.0/21

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 31.995+/-2.683 χ^2/NDF:58.7/19

Left: 10.955+/-1.869 χ^2/NDF: 215.1/41

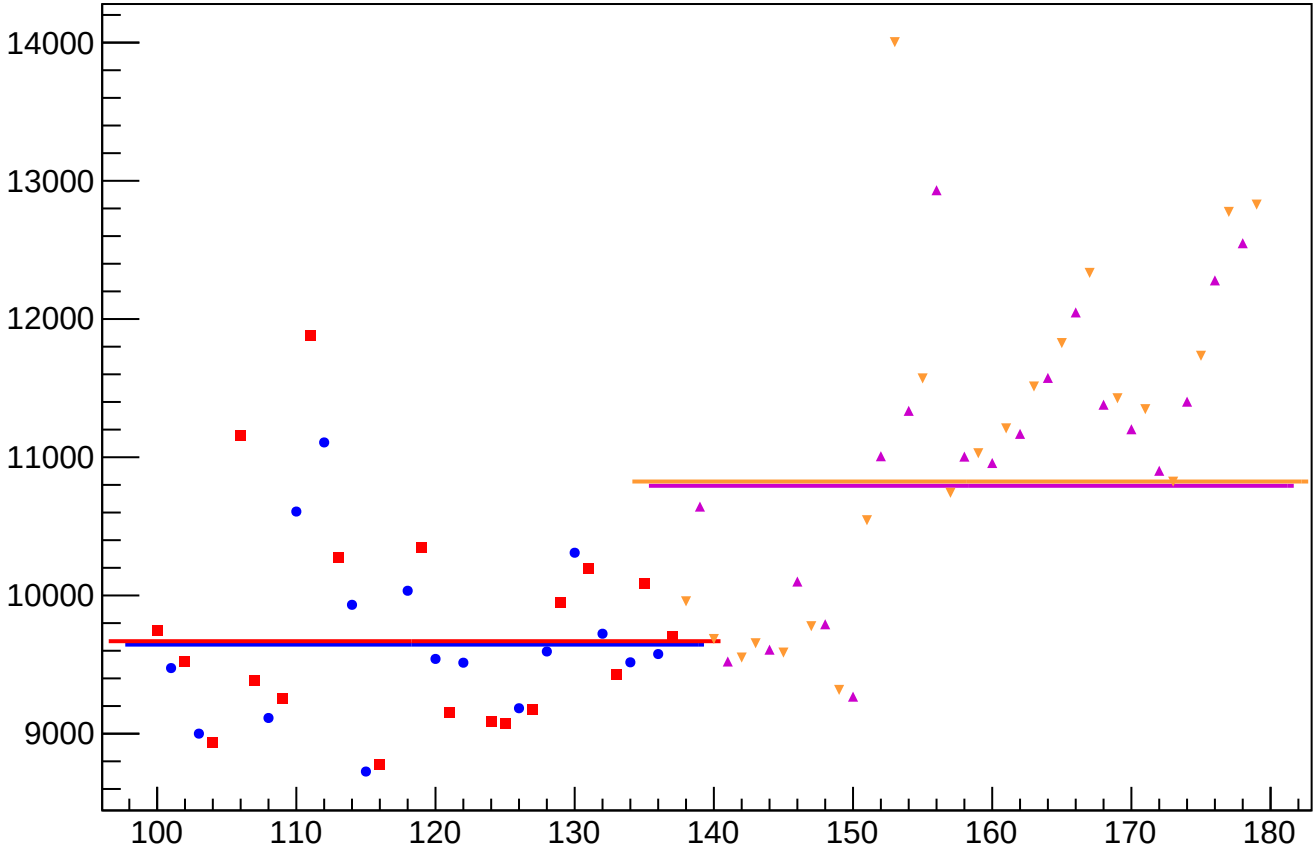
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -1.085+/-2.150 χ^2/NDF:574.2/35

Out: -6.424+/-2.098 χ^2/NDF:143.3/40

All: -3.819+/-1.502 χ^2/NDF: 720.7/76

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10824.420+/-1.842 χ^2/NDF:393787.6/21

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10793.576+/-1.897 χ^2/NDF:266396.7/19

Left: 10809.456+/-1.321 χ^2/NDF: 660320.5/41

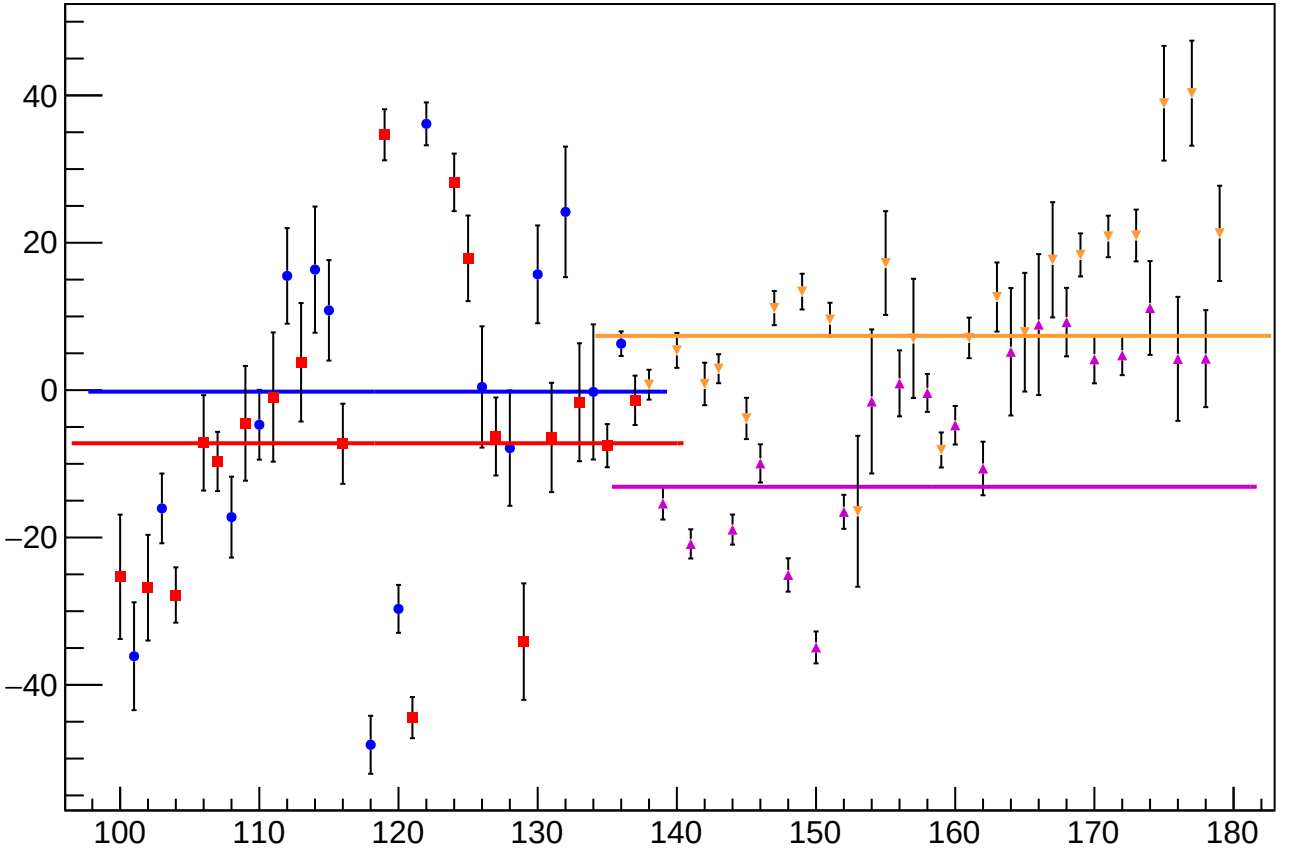
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10382.658+/-1.521 χ^2/NDF:441696.6/35

Out: 10419.120+/-1.484 χ^2/NDF:611726.2/40

All: 10401.335+/-1.062 χ^2/NDF: 1053717.4/7

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.365+/-0.660 χ^2/NDF:194.8/21

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -13.114+/-0.667 χ^2/NDF:334.5/19

Left: -2.771+/-0.469 χ^2/NDF: 1005.1/41

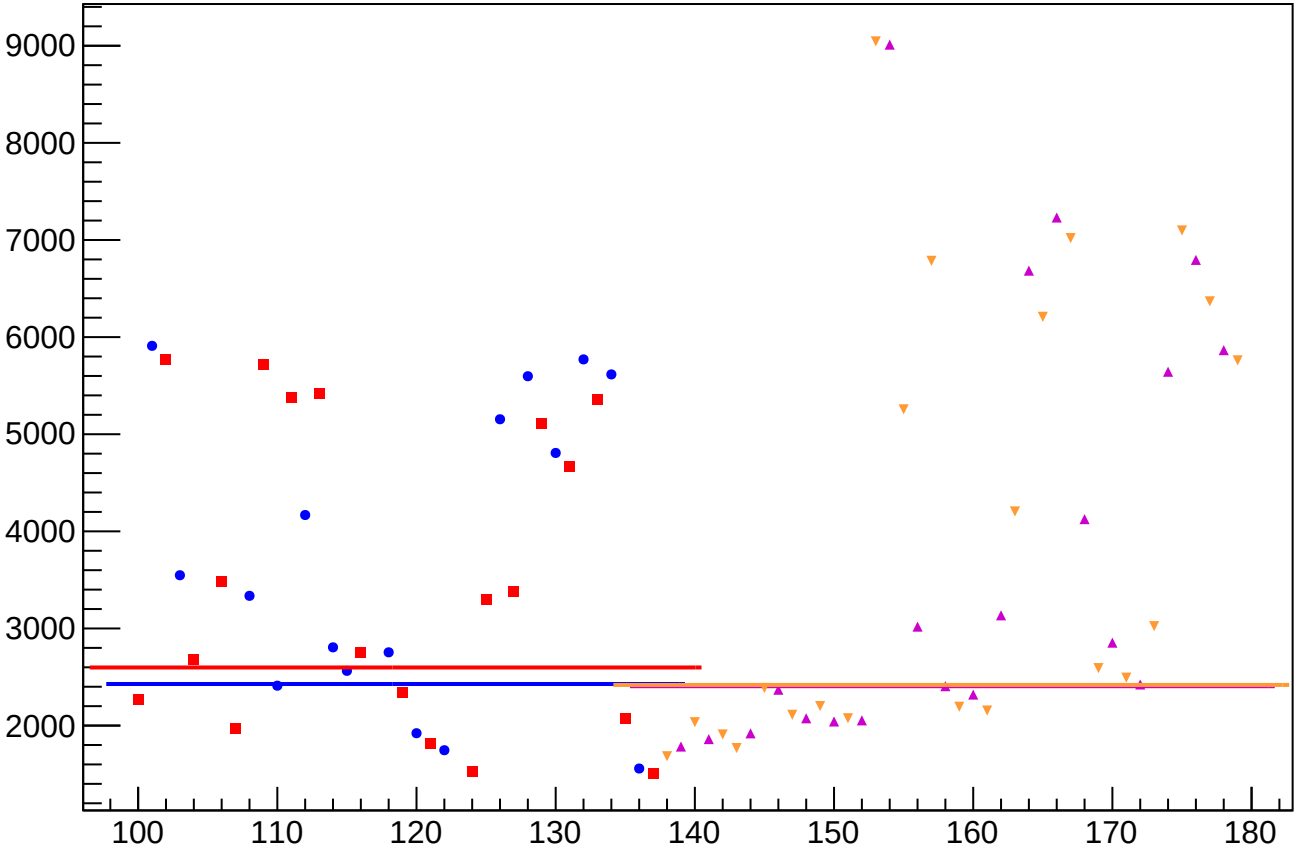
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.378+/-0.562 χ^2/NDF:916.5/35

Out: 3.364+/-0.563 χ^2/NDF:814.0/40

All: -3.008+/-0.398 χ^2/NDF: 1987.1/76

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2418.515+/-0.467 χ^2/NDF:5840026.3/21

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2405.466+/-0.472 χ^2/NDF:4531551.6/19

Left: 2412.056+/-0.332 χ^2/NDF: 10371964.3/41

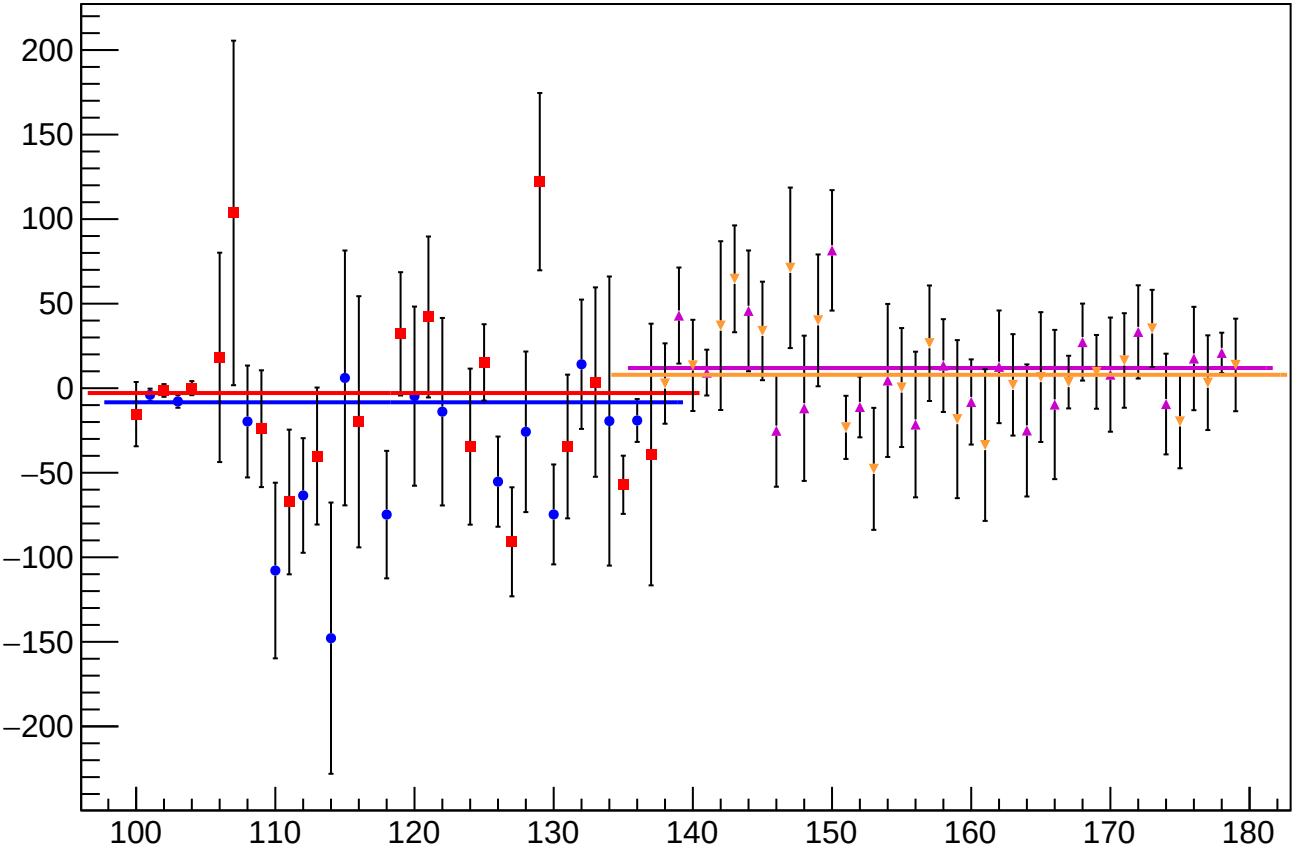
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2412.011+/-0.398 χ^2/NDF:7347551.9/35

Out: 2467.880+/-0.398 χ^2/NDF:8395654.3/40

All: 2439.938+/-0.281 χ^2/NDF: 15753072.0/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.923+/-5.954 χ^2/NDF:16.3/21

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 11.942+/-5.577 χ^2/NDF:13.7/19

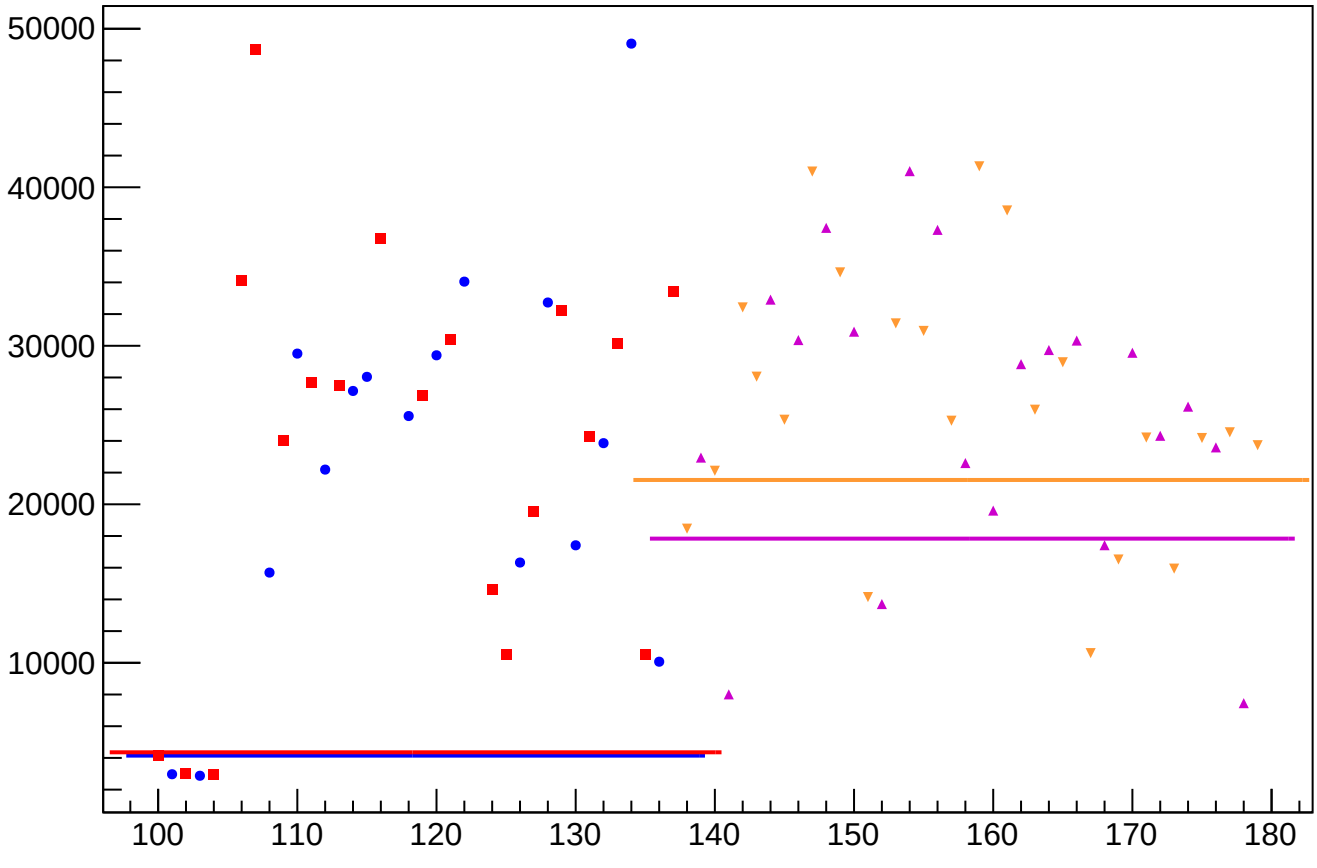
Left: 10.064+/-4.070 χ^2/NDF: 30.3/41

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -4.942+/-2.281 χ^2/NDF:48.1/35

Out: -1.079+/-2.413 χ^2/NDF:51.6/40

All: -3.119+/-1.658 χ^2/NDF: 101.2/76



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21534.939+/-4.210 χ^2/NDF:3486851.0/21

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17834.177+/-3.944 χ^2/NDF:6210380.6/19

Left: 19563.715+/-2.878 χ^2/NDF: 10108772.4/41

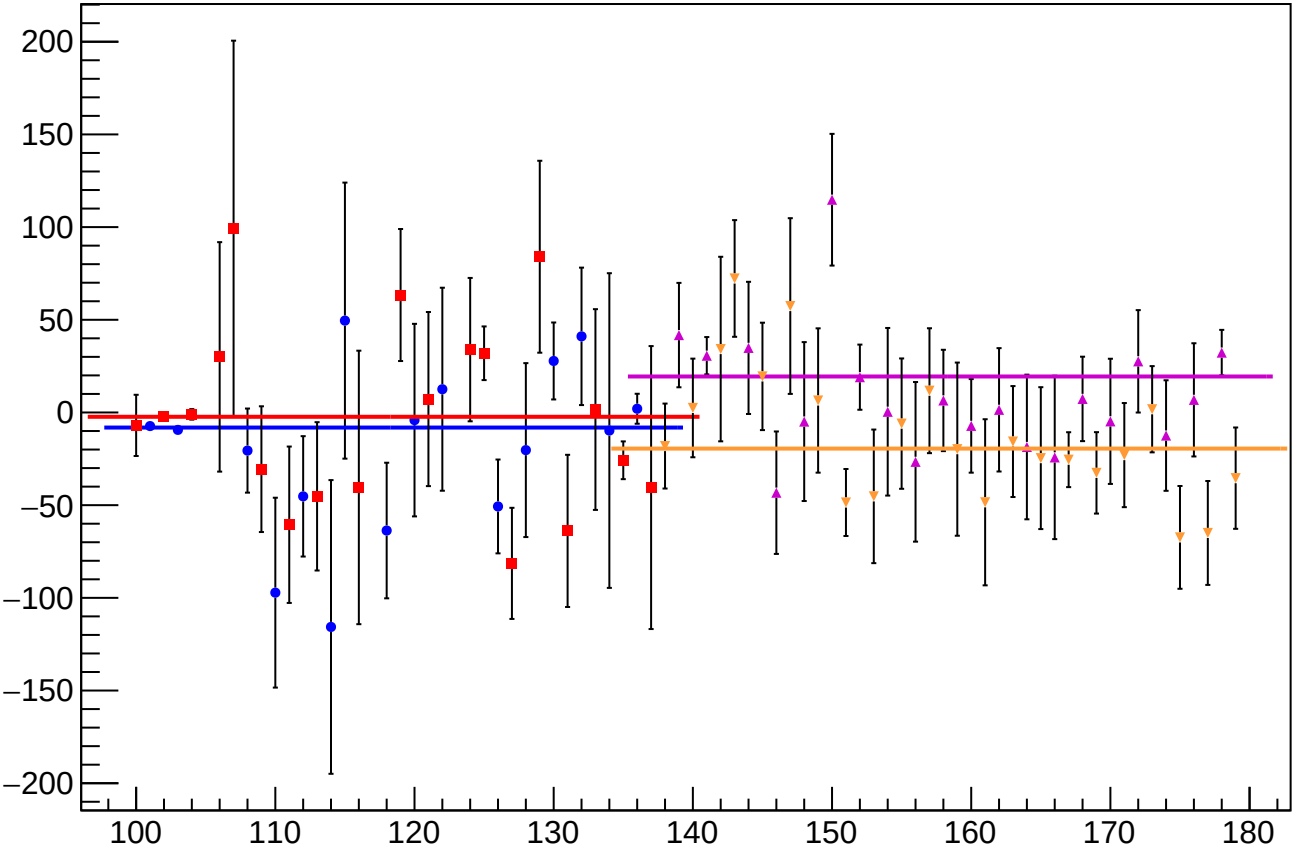
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6435.055+/-1.613 χ^2/NDF:23079971.5/35

Out: 7176.286+/-1.706 χ^2/NDF:25028281.2/40

All: 6784.802+/-1.172 χ^2/NDF: 48207920.8/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -19.477+/-5.875 χ^2/NDF:27.1/21

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 19.415+/-5.243 χ^2/NDF:21.4/19

Left: 2.174+/-3.912 χ^2/NDF: 72.9/41

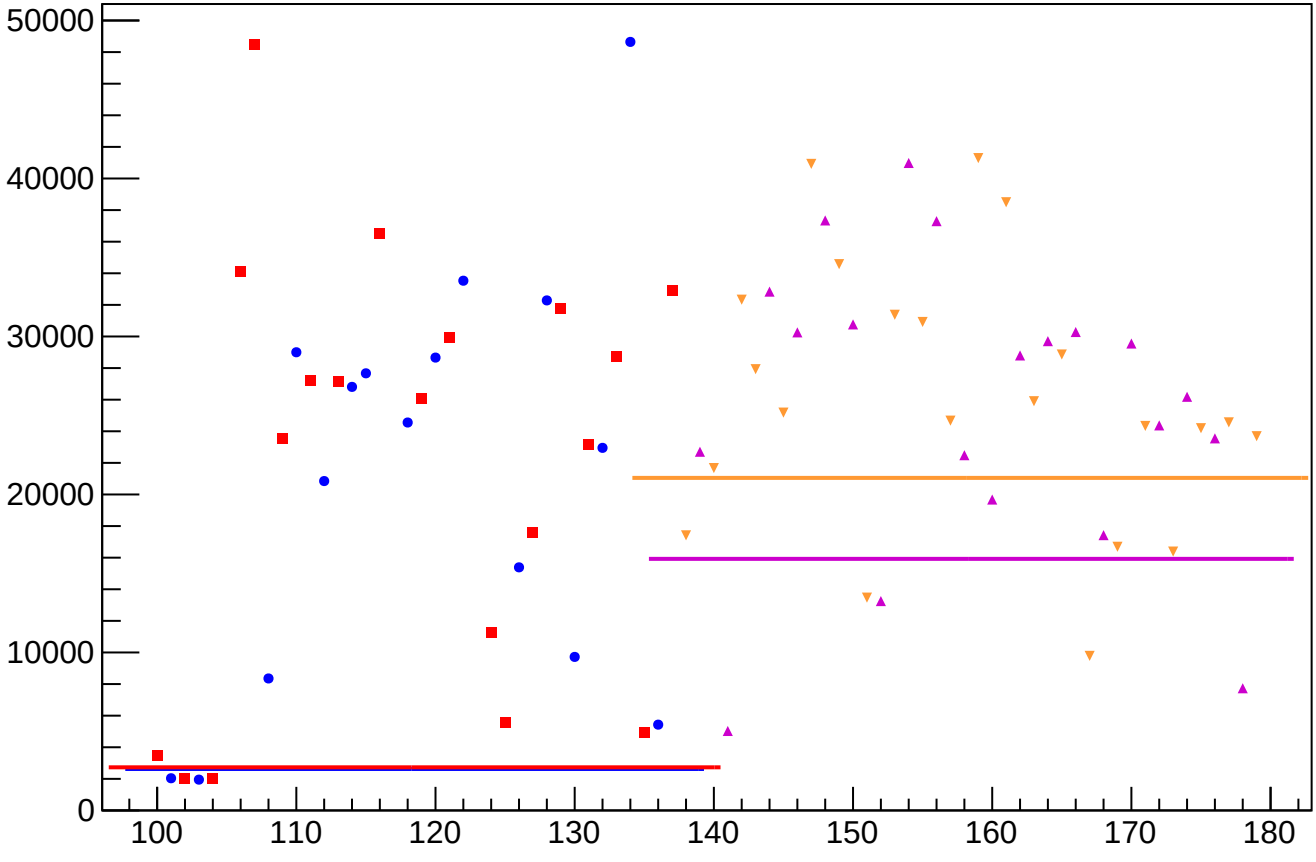
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -5.454+/-1.635 χ^2/NDF:65.4/35

Out: -3.829+/-1.740 χ^2/NDF:68.0/40

All: -4.692+/-1.191 χ^2/NDF: 133.8/76

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21049.579+/-4.154 χ^2/NDF:3815558.6/21

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15924.509+/-3.707 χ^2/NDF:7983423.3/19

Left: 18196.473+/-2.766 χ^2/NDF: 12646215.3/41

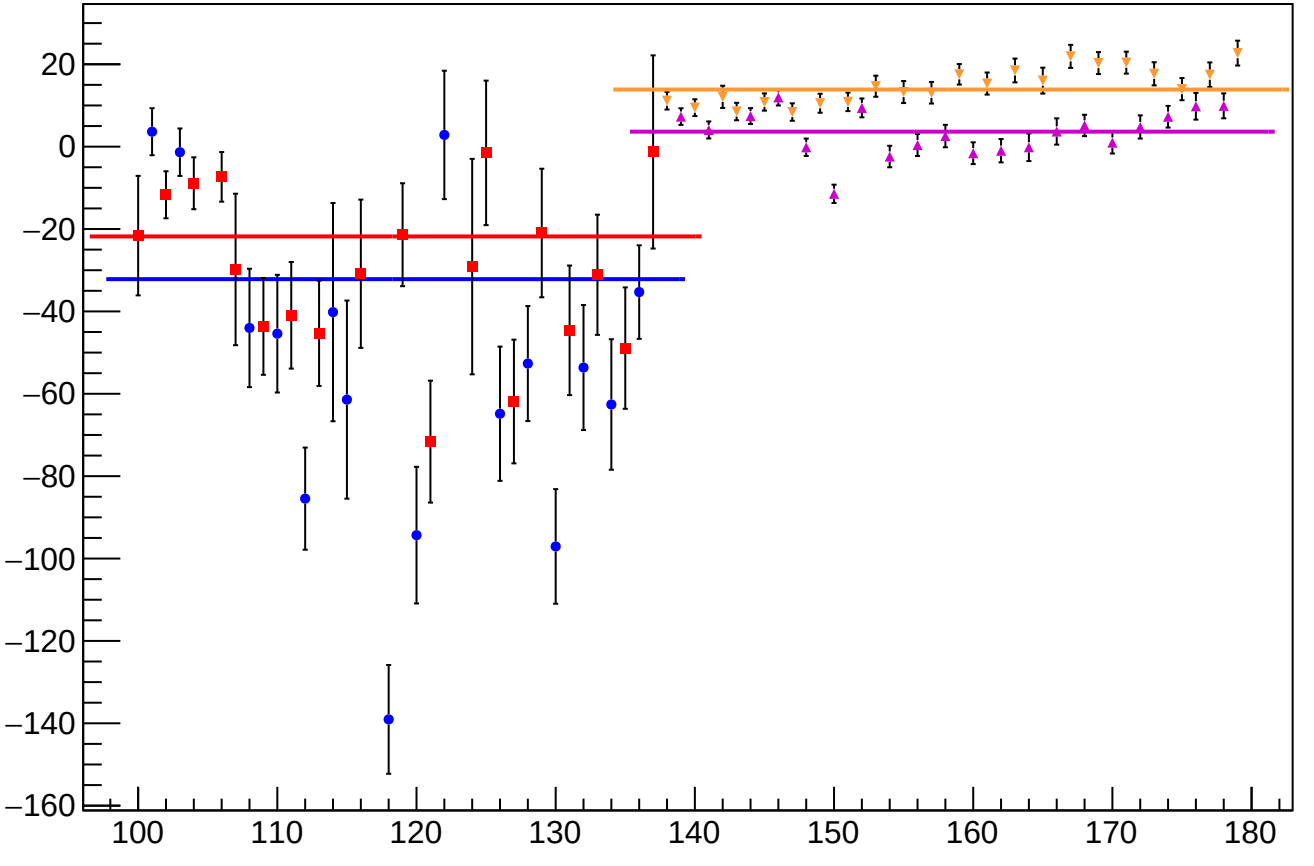
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3919.140+/-1.156 χ^2/NDF:26380563.7/35

Out: 4336.936+/-1.230 χ^2/NDF:29541003.5/40

All: 4115.013+/-0.842 χ^2/NDF: 55982820.0/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.869+/-0.534 χ^2/NDF:63.4/21

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.637+/-0.553 χ^2/NDF:106.9/19

Left: 8.939+/-0.384 χ^2/NDF: 347.5/41

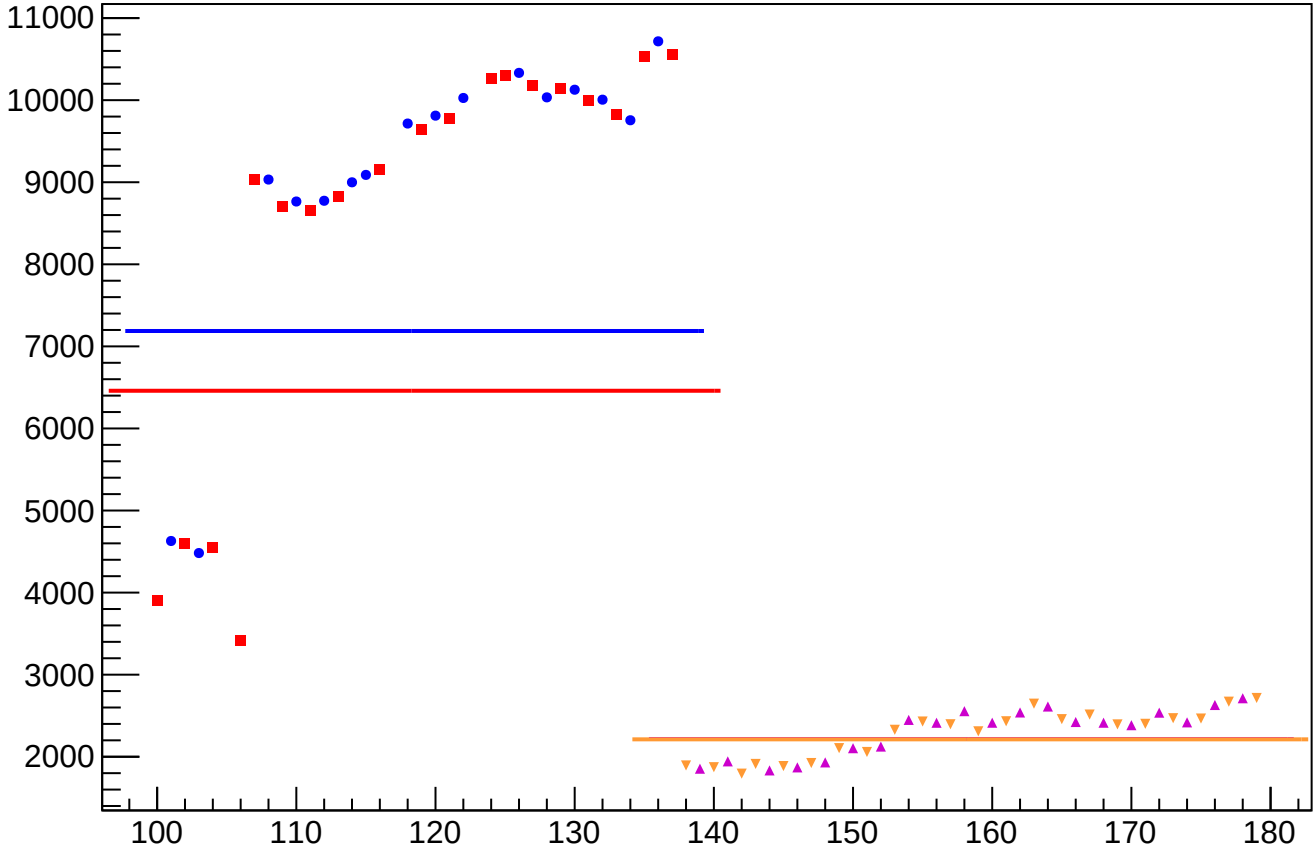
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.328+/-0.543 χ^2/NDF:467.7/35

Out: 12.381+/-0.522 χ^2/NDF:299.0/40

All: 7.551+/-0.376 χ^2/NDF: 944.6/76

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2212.059+/-0.377 χ^2/NDF:568447.8/21

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2216.312+/-0.391 χ^2/NDF:559545.3/19

Left: 2214.108+/-0.272 χ^2/NDF: 1128054.2/41

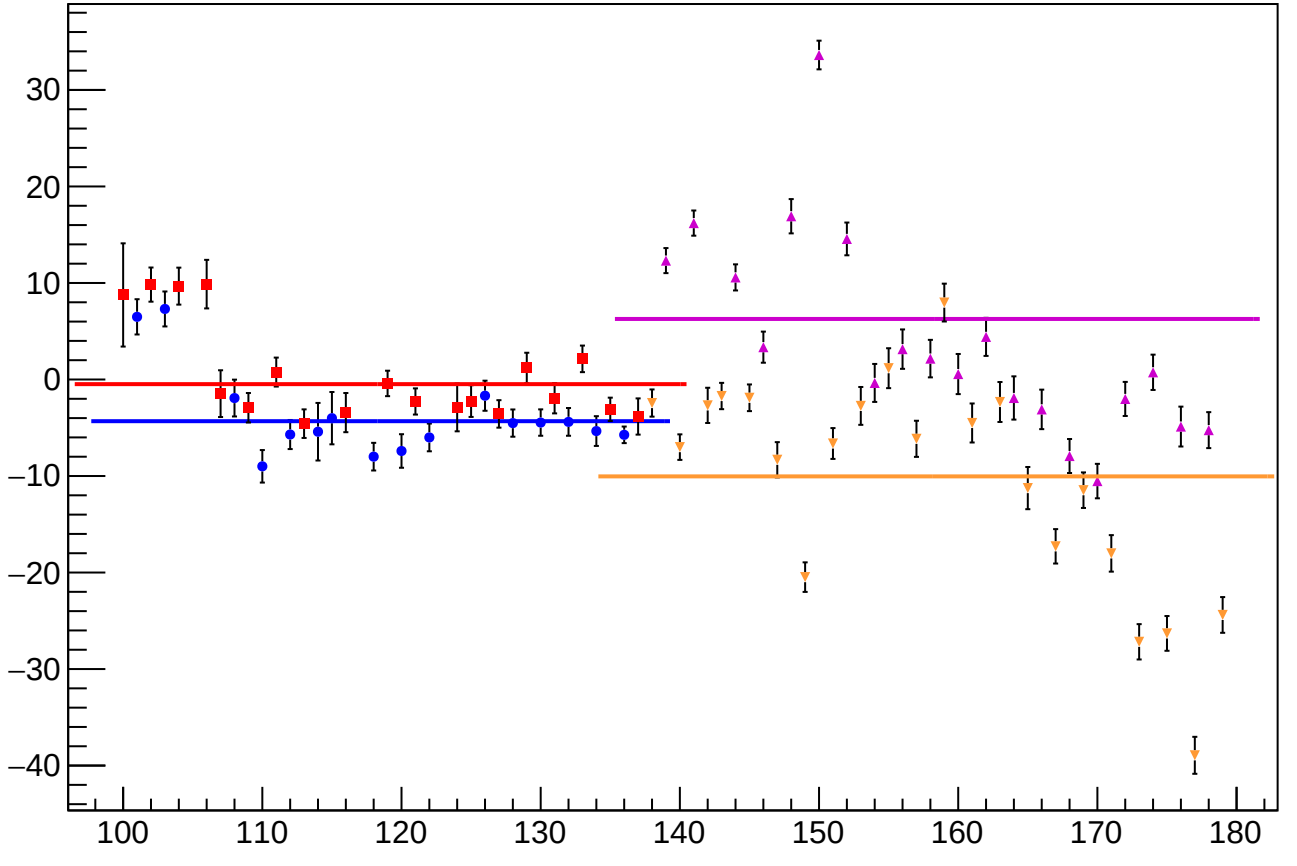
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2397.931+/-0.384 χ^2/NDF:8162024.9/35

Out: 2389.244+/-0.369 χ^2/NDF:8131300.7/40

All: 2393.418+/-0.266 χ^2/NDF: 16293591.4/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -10.039+/-0.369 χ^2/NDF:820.2/21

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 6.273+/-0.386 χ^2/NDF:804.8/19

Left: -2.258+/-0.267 χ^2/NDF: 2556.9/41

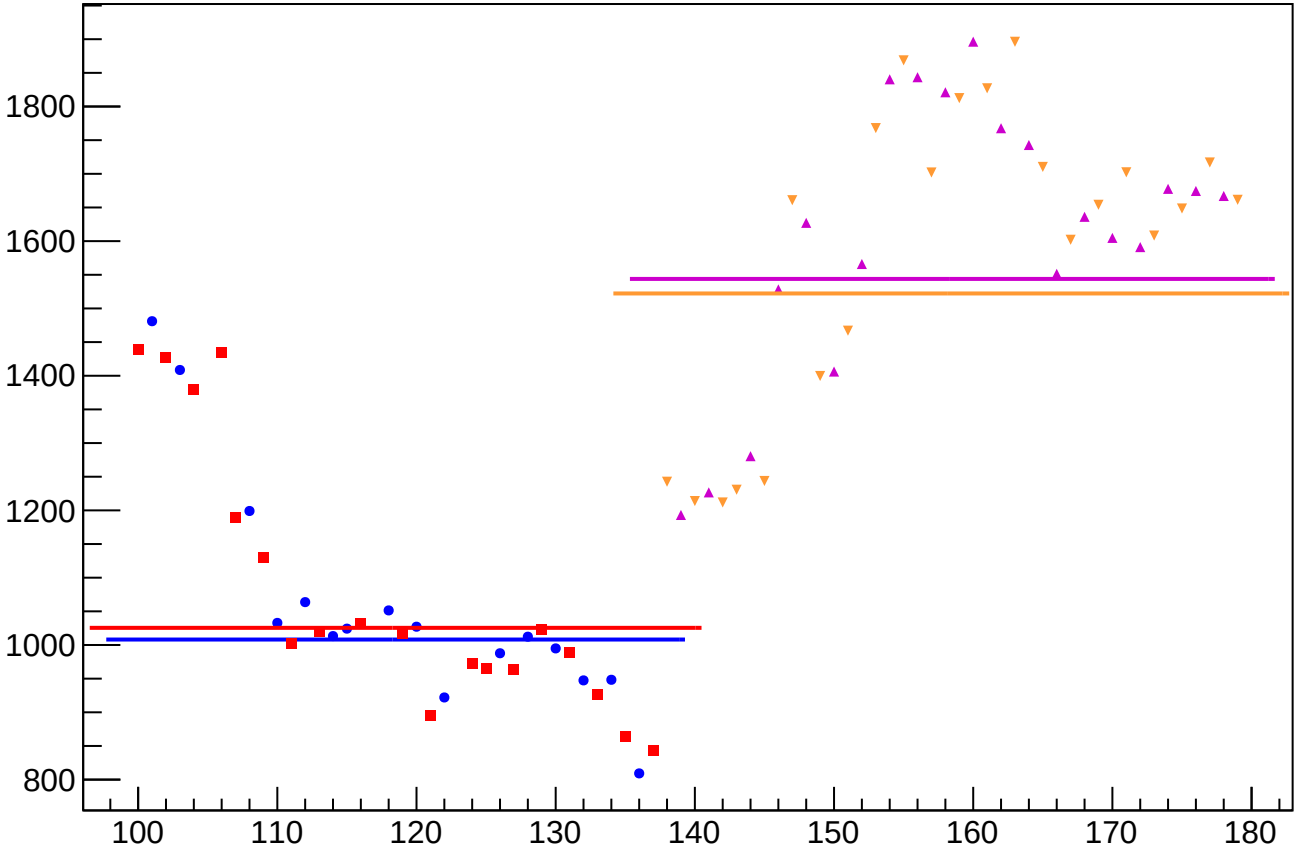
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 0.885+/-0.271 χ^2/NDF:1290.6/35

Out: -5.383+/-0.264 χ^2/NDF:1264.2/40

All: -2.326+/-0.189 χ^2/NDF: 2829.1/76

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1522.260+/-0.261 χ^2/NDF:798793.4/21

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1543.857+/-0.273 χ^2/NDF:627119.7/19

Left: 1532.563+/-0.189 χ^2/NDF: 1429180.4/41

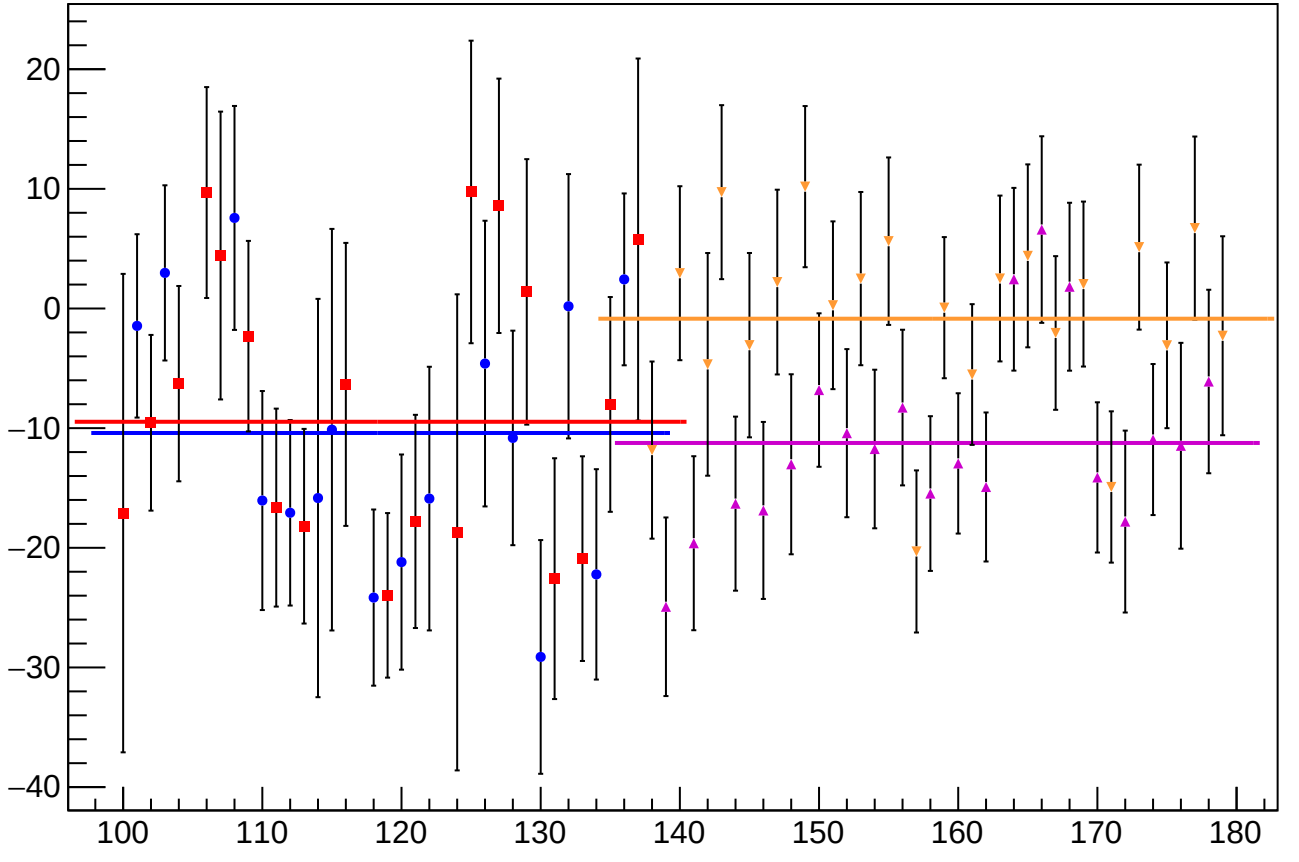
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1271.334+/-0.192 χ^2/NDF:2961743.0/35

Out: 1280.261+/-0.187 χ^2/NDF:2910235.4/40

All: 1275.907+/-0.134 χ^2/NDF: 5873091.4/76

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.853+/-1.500 χ^2/NDF:25.4/21

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.238+/-1.555 χ^2/NDF:20.7/19

Left: -5.860+/-1.080 χ^2/NDF: 69.2/41

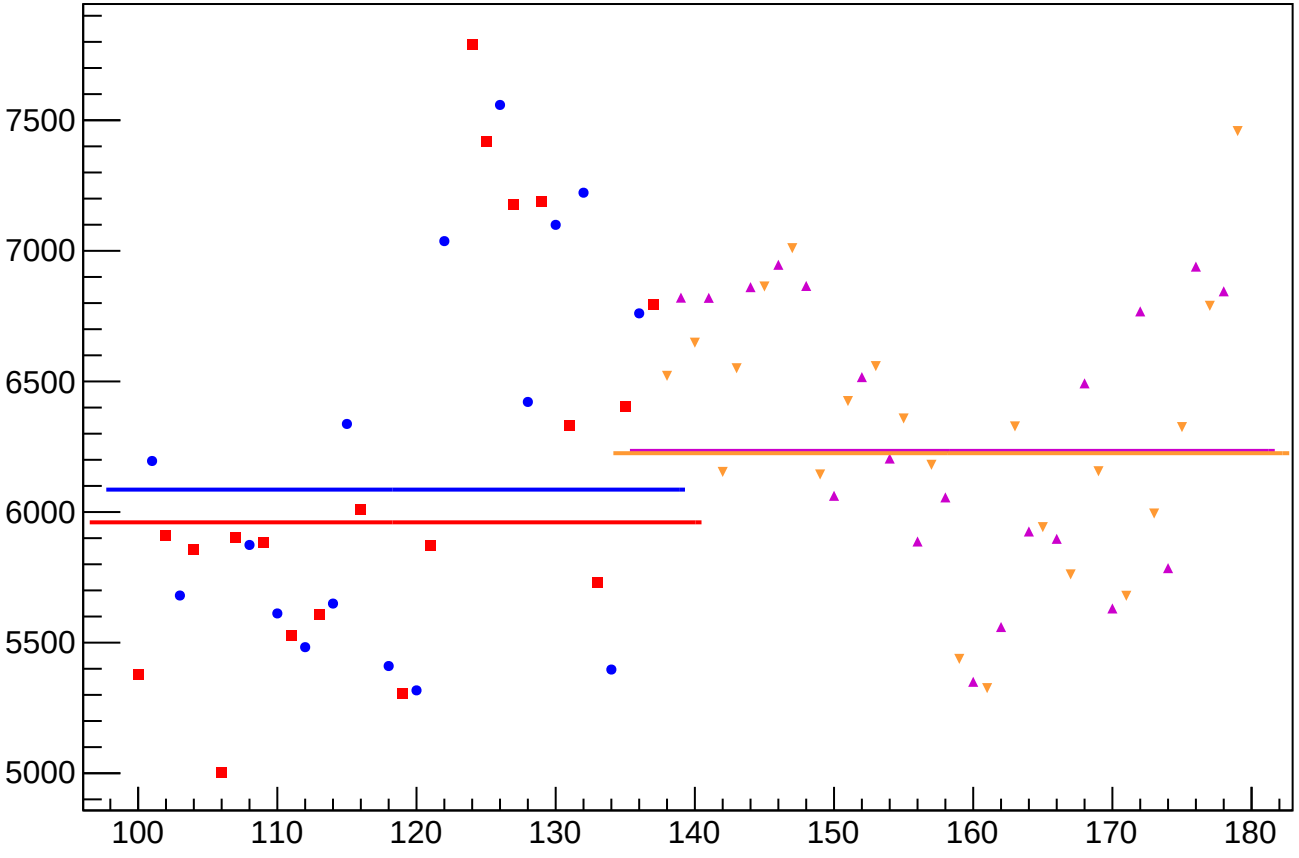
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.973+/-1.285 χ^2/NDF:45.4/35

Out: -3.603+/-1.238 χ^2/NDF:61.3/40

All: -7.152+/-0.891 χ^2/NDF: 123.8/76

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6225.287+/-1.061 χ^2/NDF:224148.4/21

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6234.122+/-1.099 χ^2/NDF:227999.3/19

Left: 6229.547+/-0.763 χ^2/NDF: 452181.2/41

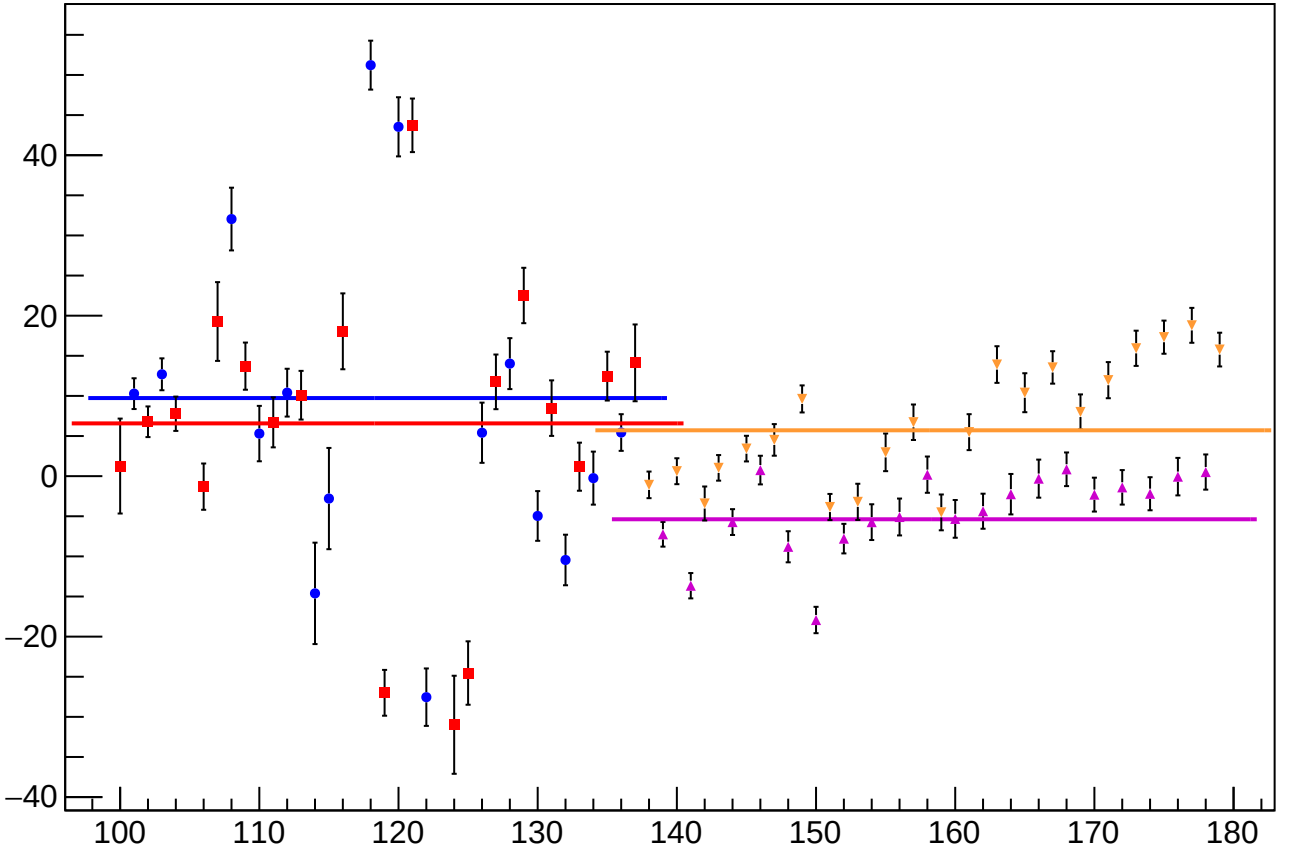
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6187.068+/-0.908 χ^2/NDF:412889.9/35

Out: 6140.795+/-0.875 χ^2/NDF:406791.5/40

All: 6163.076+/-0.630 χ^2/NDF: 821027.0/76

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.714+/-0.422 χ^2/NDF:287.1/21

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -5.375+/-0.444 χ^2/NDF:145.6/19

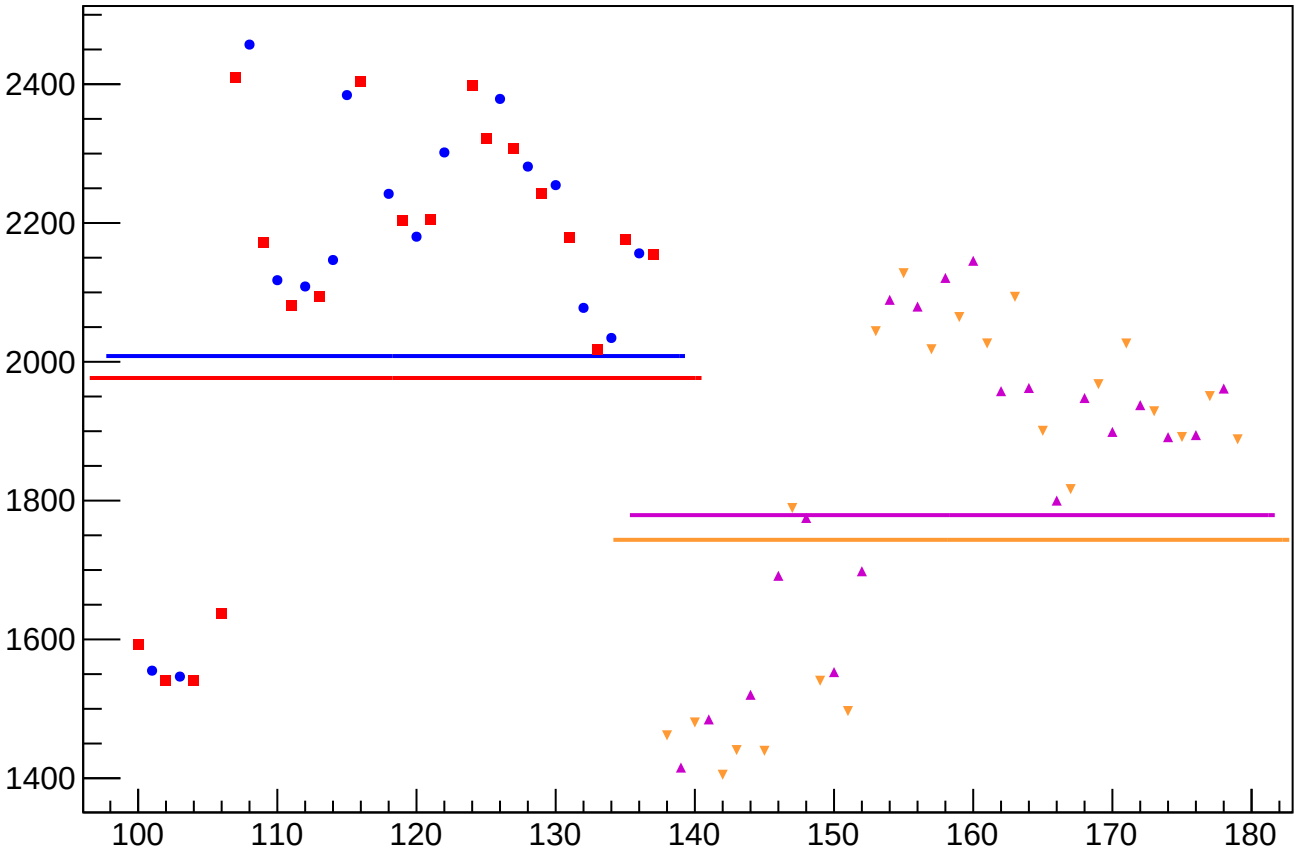
Left: 0.457+/-0.306 χ^2/NDF: 760.0/41

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.485+/-0.383 χ^2/NDF:955.3/35

Out: 5.930+/-0.365 χ^2/NDF:711.9/40

All: 2.397+/-0.264 χ^2/NDF: 1863.5/76



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1743.502+/-0.298 χ^2/NDF:738194.8/21

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1779.092+/-0.314 χ^2/NDF:525769.3/19

Left: 1760.374+/-0.216 χ^2/NDF: 1270707.1/41

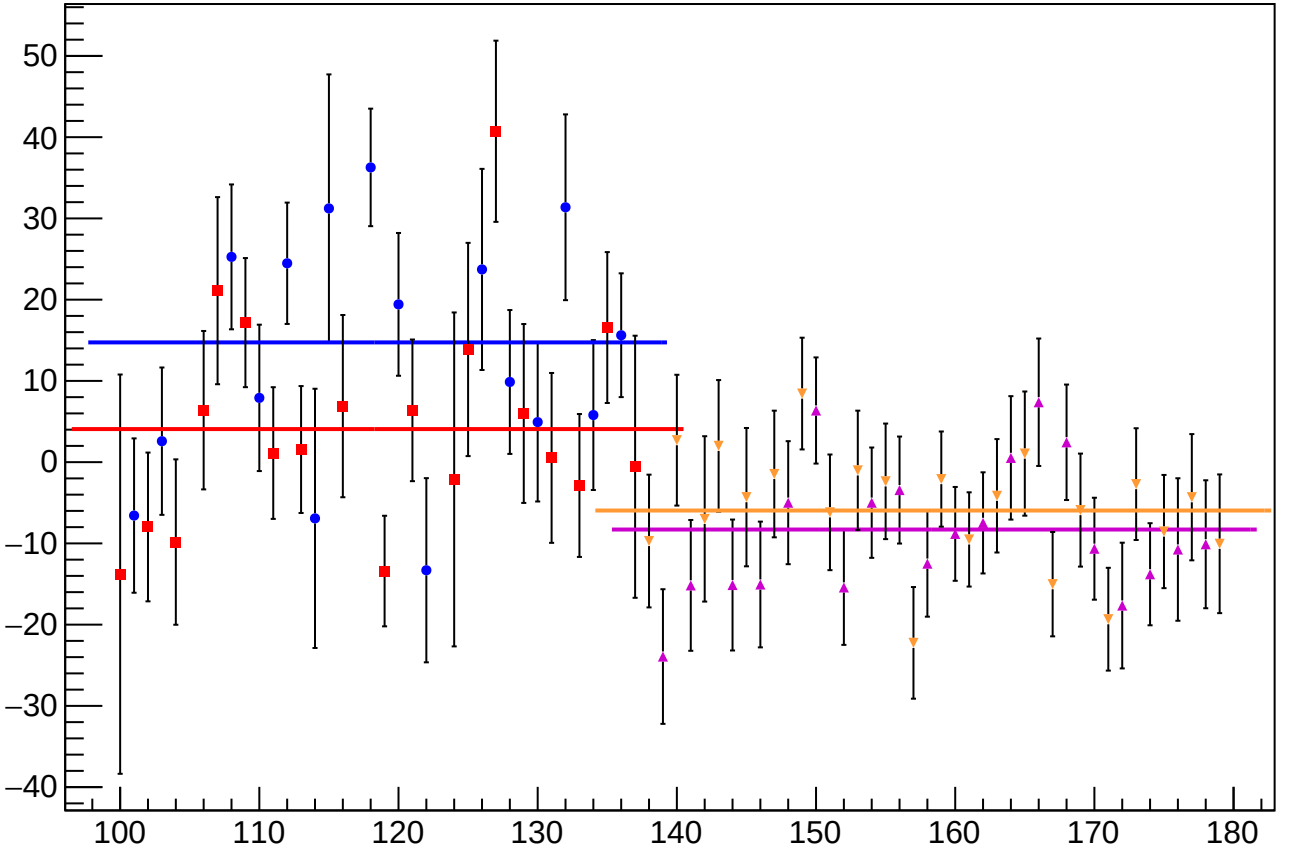
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1838.097+/-0.271 χ^2/NDF:1007056.6/35

Out: 1801.873+/-0.258 χ^2/NDF:1256405.8/40

All: 1819.132+/-0.187 χ^2/NDF: 2272827.0/76

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.953+/-1.535 χ^2/NDF:22.2/21

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.293+/-1.587 χ^2/NDF:23.4/19

Left: -7.084+/-1.103 χ^2/NDF: 46.7/41

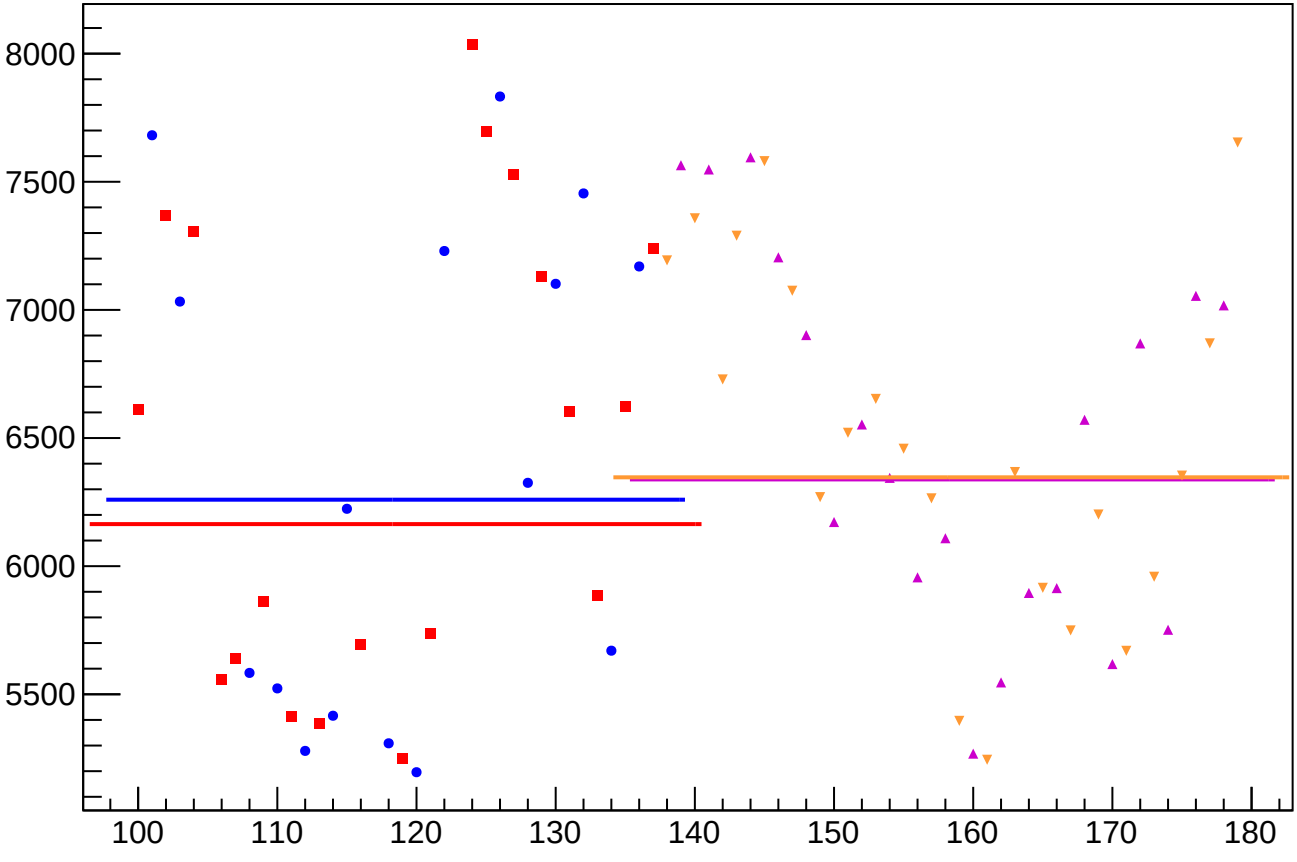
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -1.110+/-1.317 χ^2/NDF:122.5/35

Out: -2.814+/-1.272 χ^2/NDF:65.8/40

All: -1.991+/-0.915 χ^2/NDF: 189.2/76

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6346.699+/-1.085 χ^2/NDF:382624.4/21

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6338.480+/-1.122 χ^2/NDF:383363.8/19

Left: 6342.727+/-0.780 χ^2/NDF: 766016.0/41

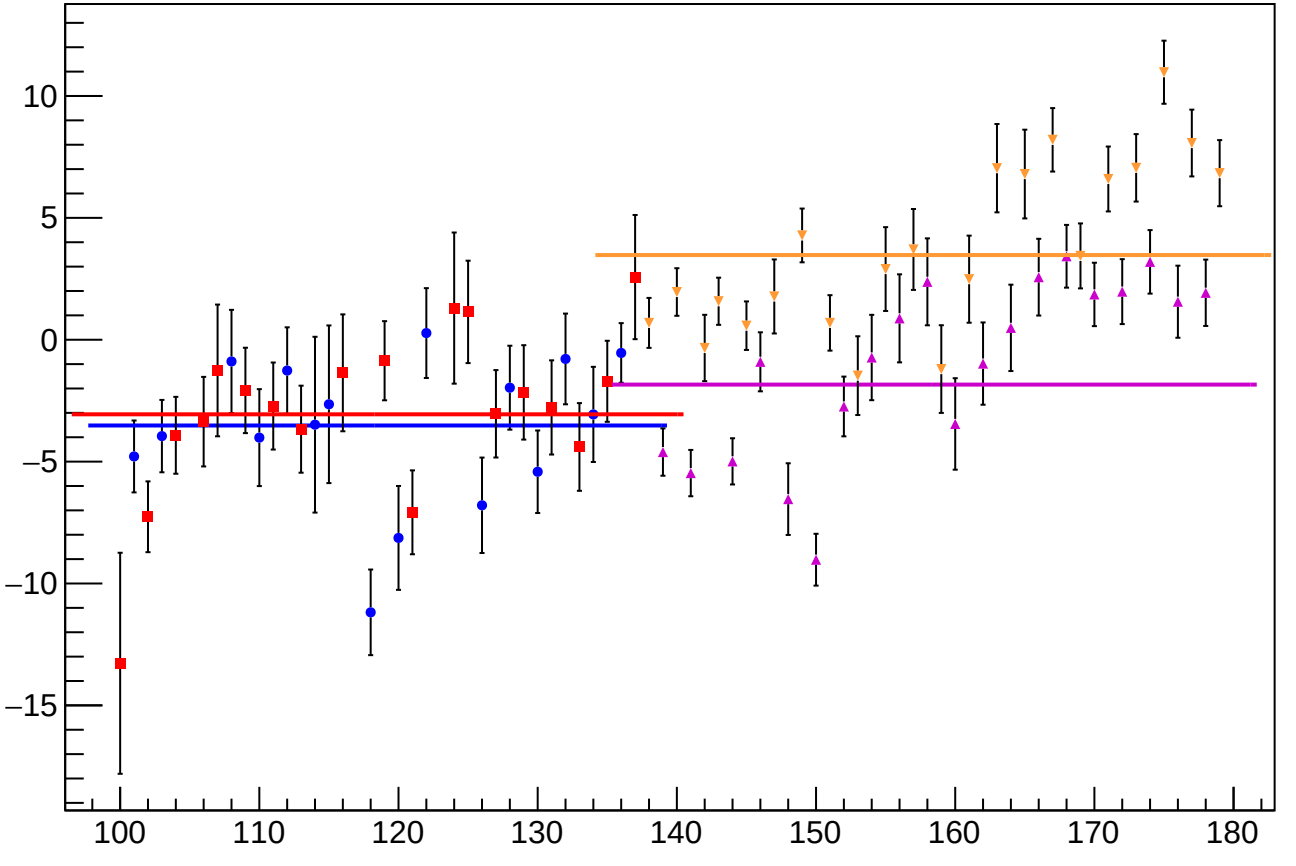
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6313.820+/-0.931 χ^2/NDF:693518.3/35

Out: 6289.541+/-0.900 χ^2/NDF:656539.2/40

All: 6301.265+/-0.647 χ^2/NDF: 1350409.2/76

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.474+/-0.279 χ^2/NDF:137.9/21

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -1.840+/-0.293 χ^2/NDF:170.5/19

Left: 0.952+/-0.202 χ^2/NDF: 480.9/41

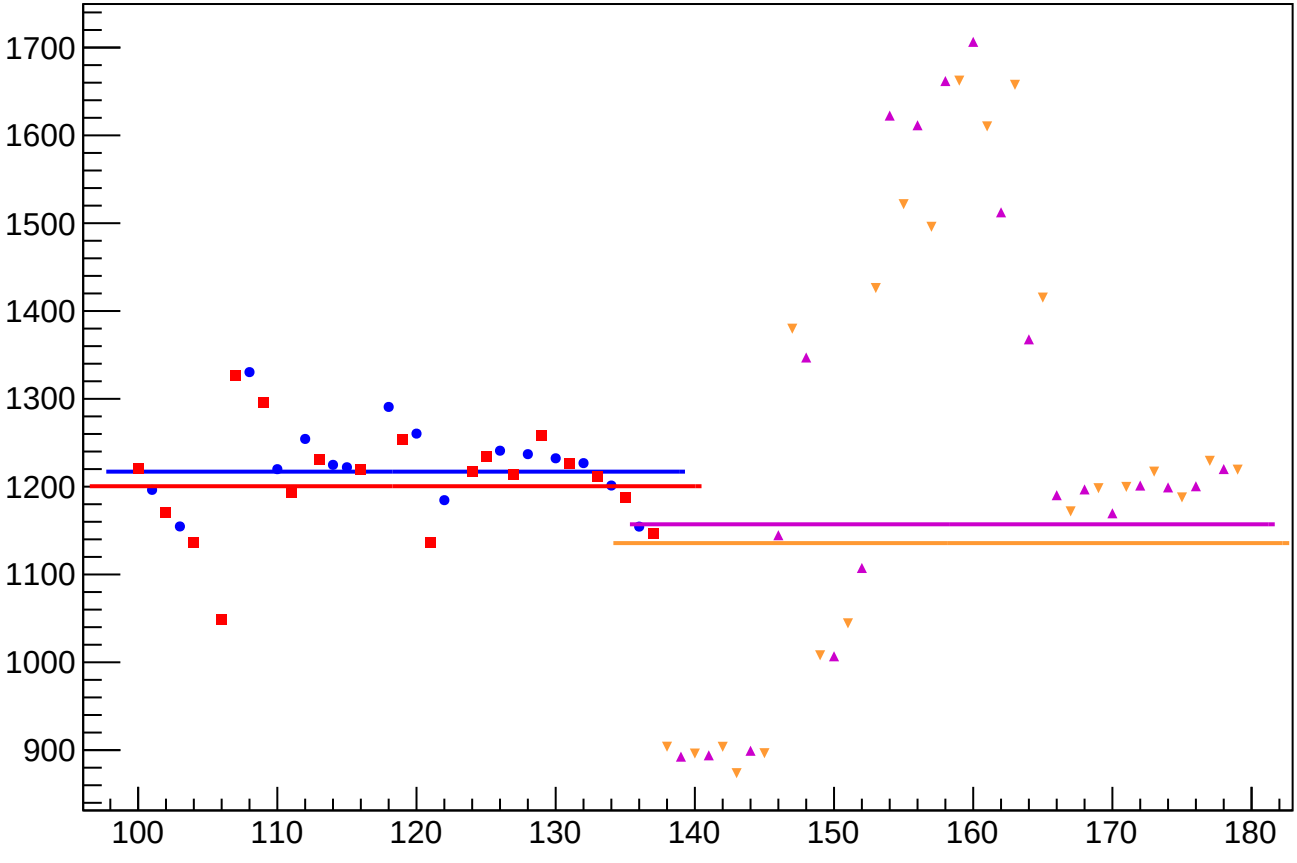
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.337+/-0.246 χ^2/NDF:225.3/35

Out: 1.594+/-0.235 χ^2/NDF:330.9/40

All: -0.282+/-0.170 χ^2/NDF: 689.4/76

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1135.730+/-0.197 χ^2/NDF:1457707.9/21

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1157.139+/-0.207 χ^2/NDF:1256452.0/19

Left: 1145.889+/-0.143 χ^2/NDF: 2719760.7/41

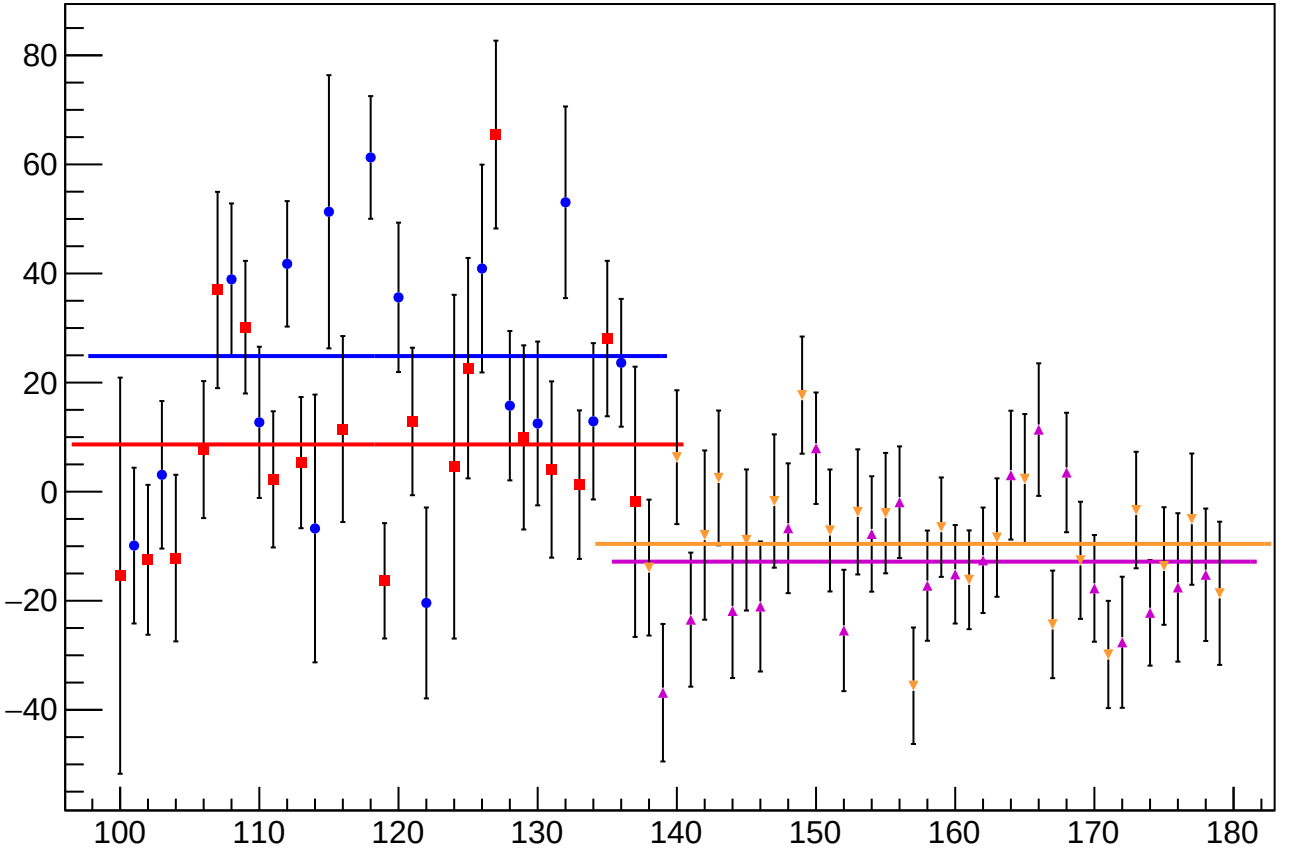
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1174.879+/-0.174 χ^2/NDF:1302870.7/35

Out: 1154.374+/-0.166 χ^2/NDF:1526455.9/40

All: 1164.162+/-0.120 χ^2/NDF: 2836584.0/76

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.569+/-2.378 χ^2/NDF:25.5/21

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.830+/-2.462 χ^2/NDF:23.6/19

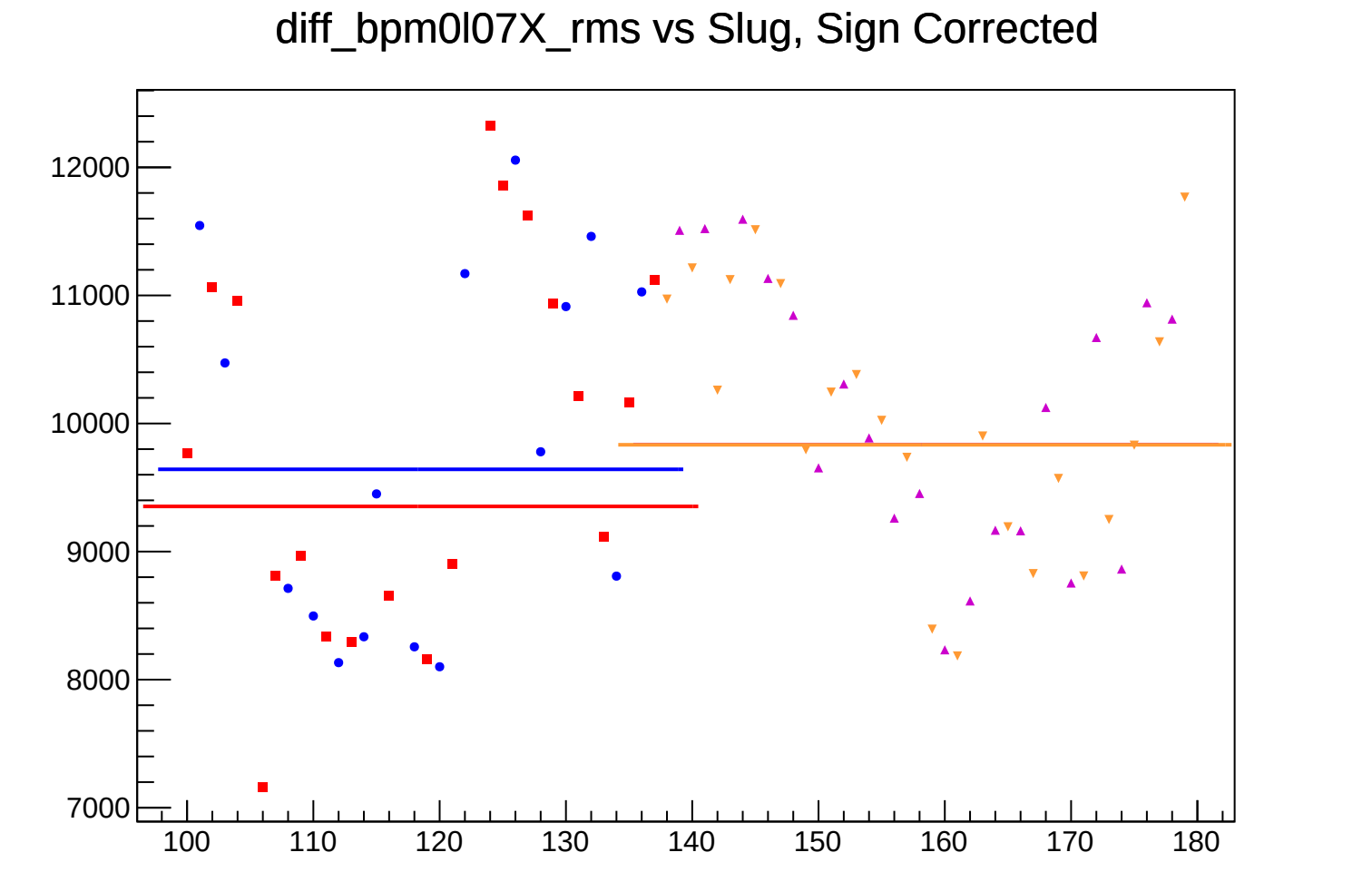
Left: -11.143+/-1.710 χ^2/NDF: 49.9/41

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -0.948+/-2.037 χ^2/NDF:135.6/35

Out: -3.708+/-1.958 χ^2/NDF:74.5/40

All: -2.382+/-1.412 χ^2/NDF: 211.1/76



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9833.744+/-1.681 χ^2/NDF:352349.7/21

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9835.433+/-1.741 χ^2/NDF:354778.3/19

Left: 9834.559+/-1.209 χ^2/NDF: 707128.5/41

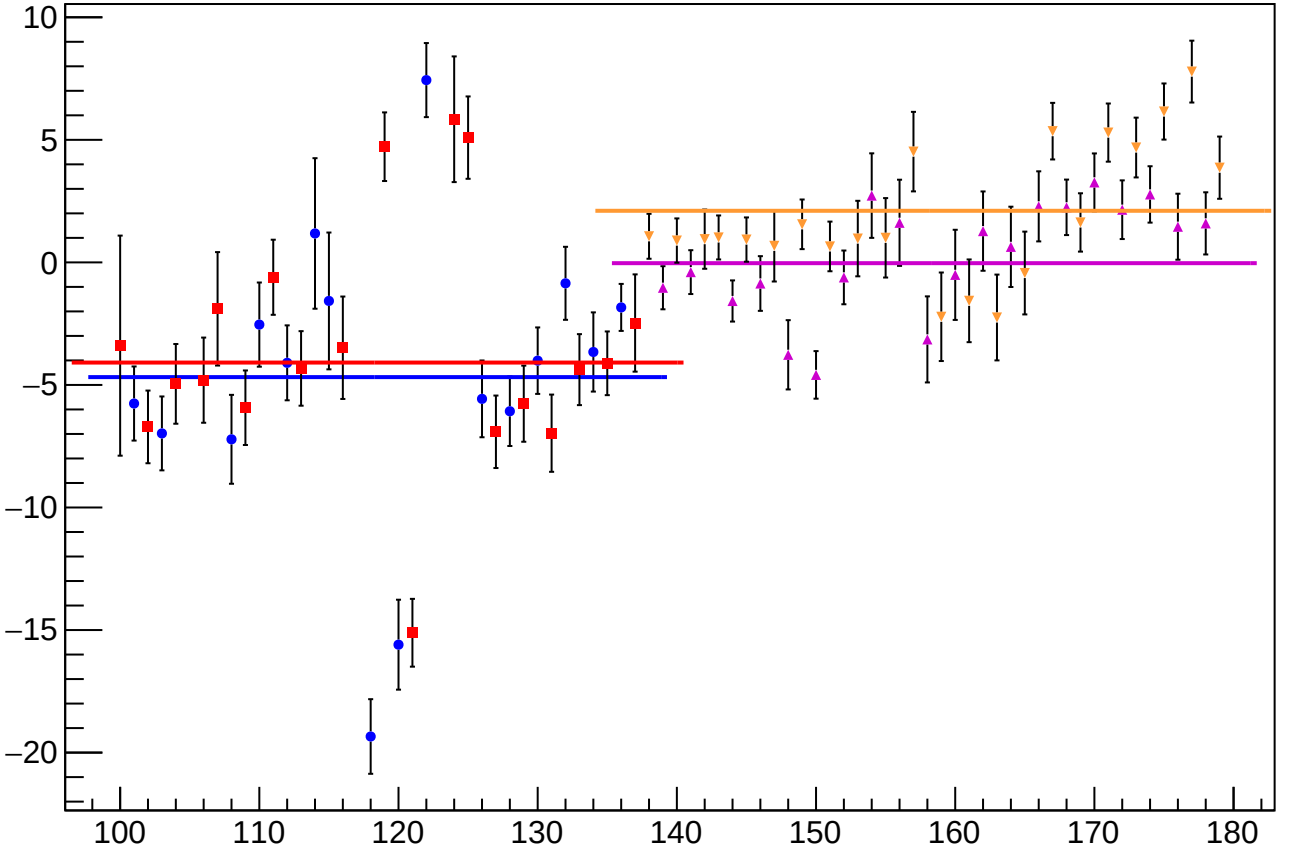
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9774.475+/-1.440 χ^2/NDF:638325.8/35

Out: 9679.001+/-1.385 χ^2/NDF:680474.4/40

All: 9724.861+/-0.998 χ^2/NDF: 1321083.4/76

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.105+/-0.255 χ^2/NDF:87.1/21

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.032+/-0.269 χ^2/NDF:68.8/19

Left: 1.094+/-0.185 χ^2/NDF: 189.1/41

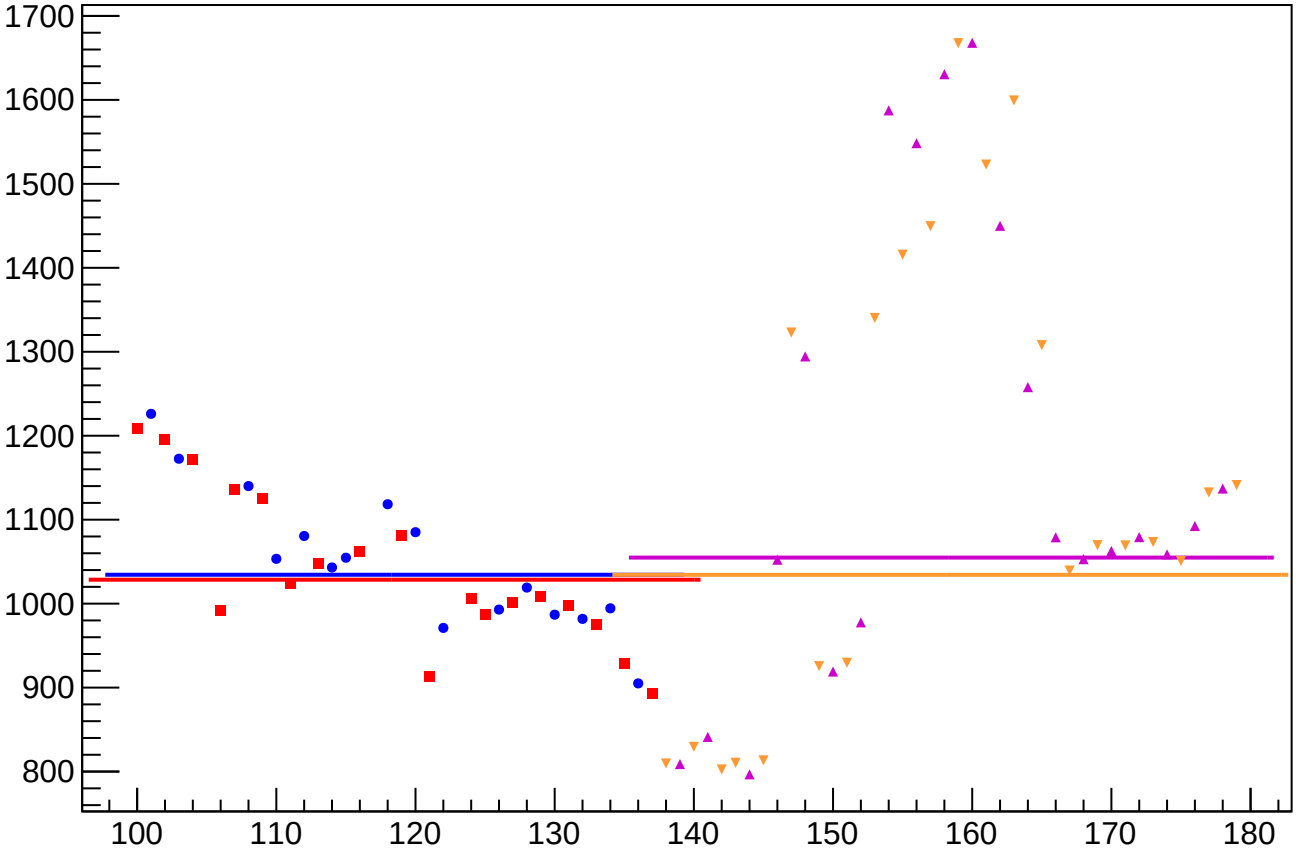
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.554+/-0.221 χ^2/NDF:387.6/35

Out: 0.156+/-0.211 χ^2/NDF:440.6/40

All: -0.661+/-0.153 χ^2/NDF: 859.5/76

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1034.319+/-0.180 χ^2/NDF:1691497.8/21

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1054.855+/-0.190 χ^2/NDF:1513669.1/19

Left: 1044.041+/-0.131 χ^2/NDF: 3211299.4/41

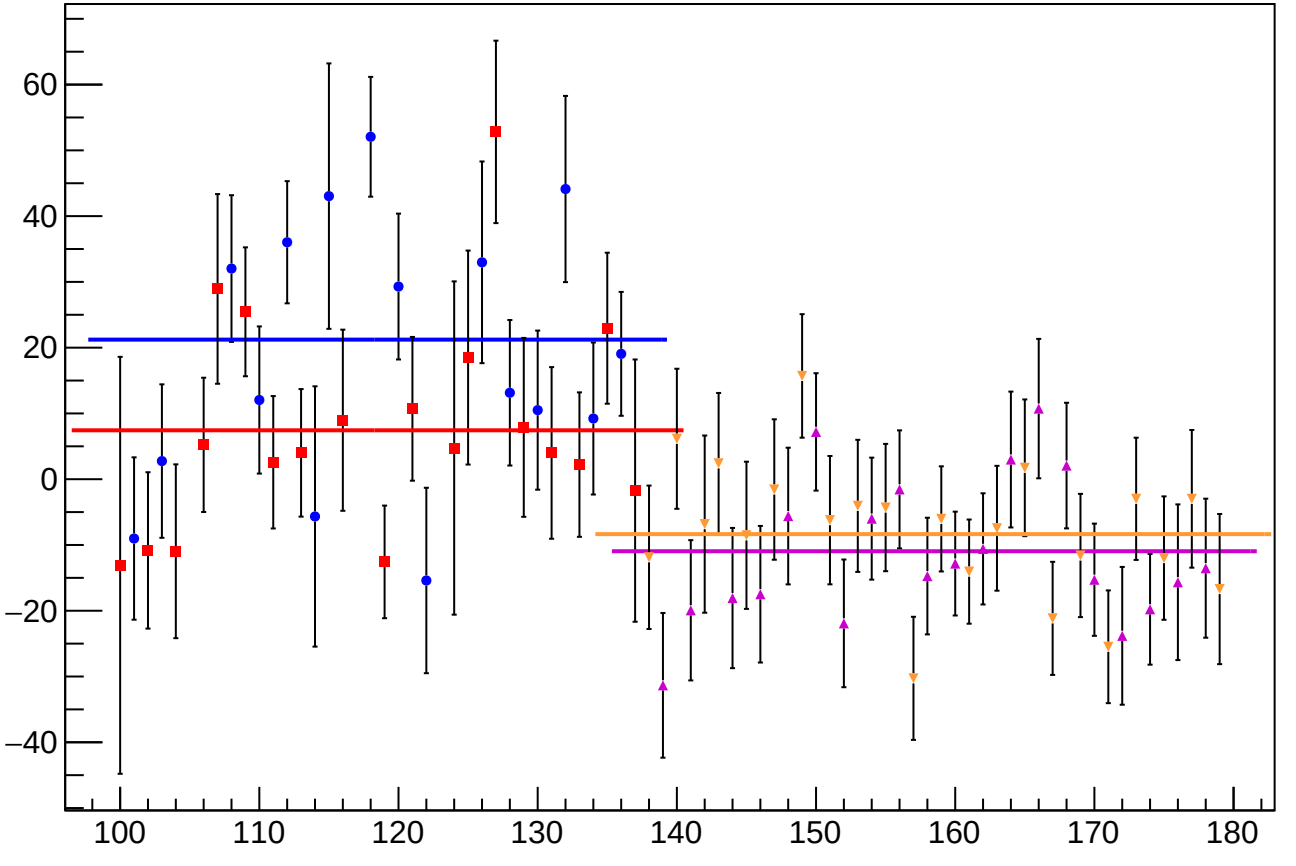
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1048.160+/-0.156 χ^2/NDF:1630729.0/35

Out: 1032.487+/-0.149 χ^2/NDF:1793450.0/40

All: 1039.979+/-0.108 χ^2/NDF: 3429443.3/76

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.351+/-2.075 χ^2/NDF:25.0/21

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.952+/-2.148 χ^2/NDF:23.2/19

Left: -9.606+/-1.492 χ^2/NDF: 49.0/41

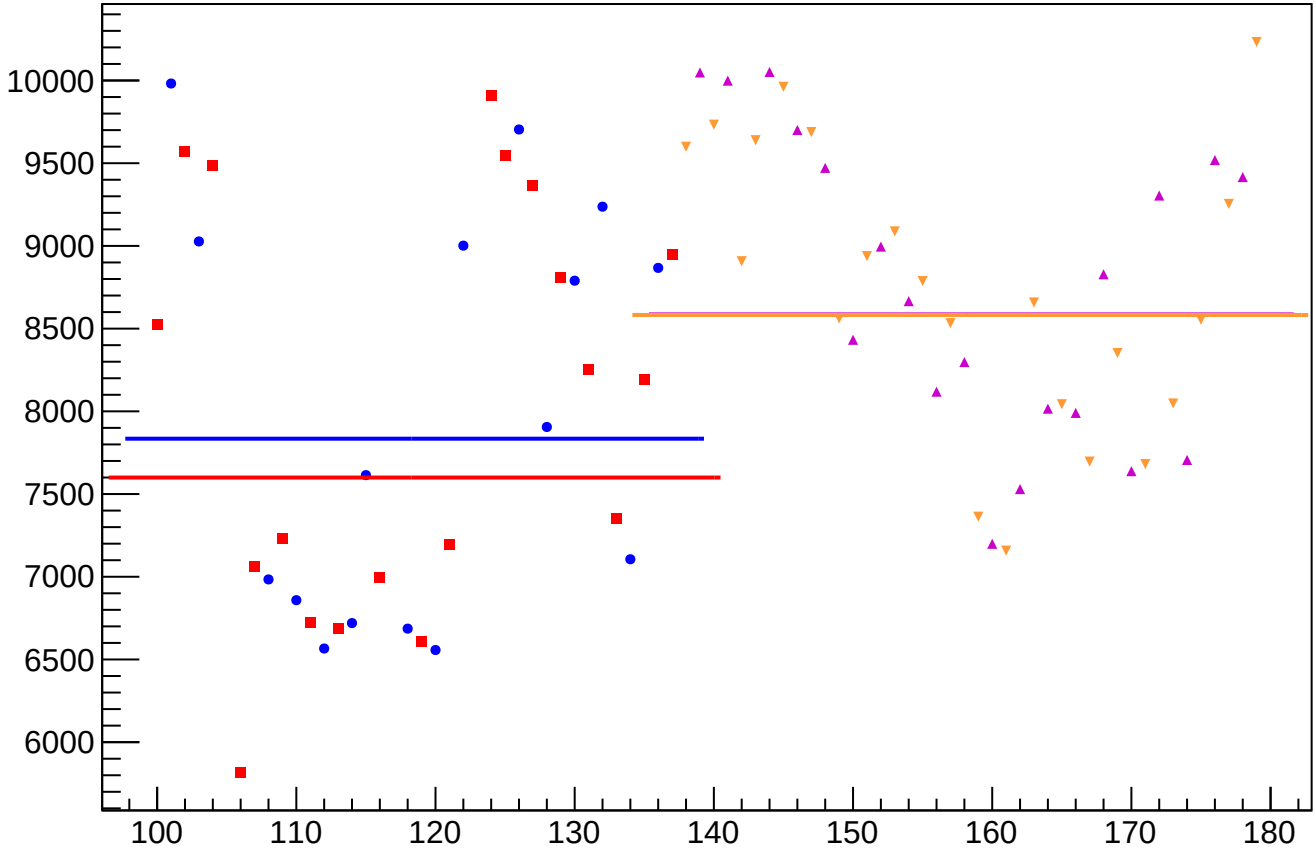
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 0.190+/-1.737 χ^2/NDF:141.0/35

Out: -2.783+/-1.669 χ^2/NDF:75.2/40

All: -1.355+/-1.204 χ^2/NDF: 217.7/76

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8582.490+/-1.467 χ^2/NDF:339926.9/21

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8586.084+/-1.519 χ^2/NDF:344969.4/19

Left: 8584.224+/-1.055 χ^2/NDF: 684899.2/41

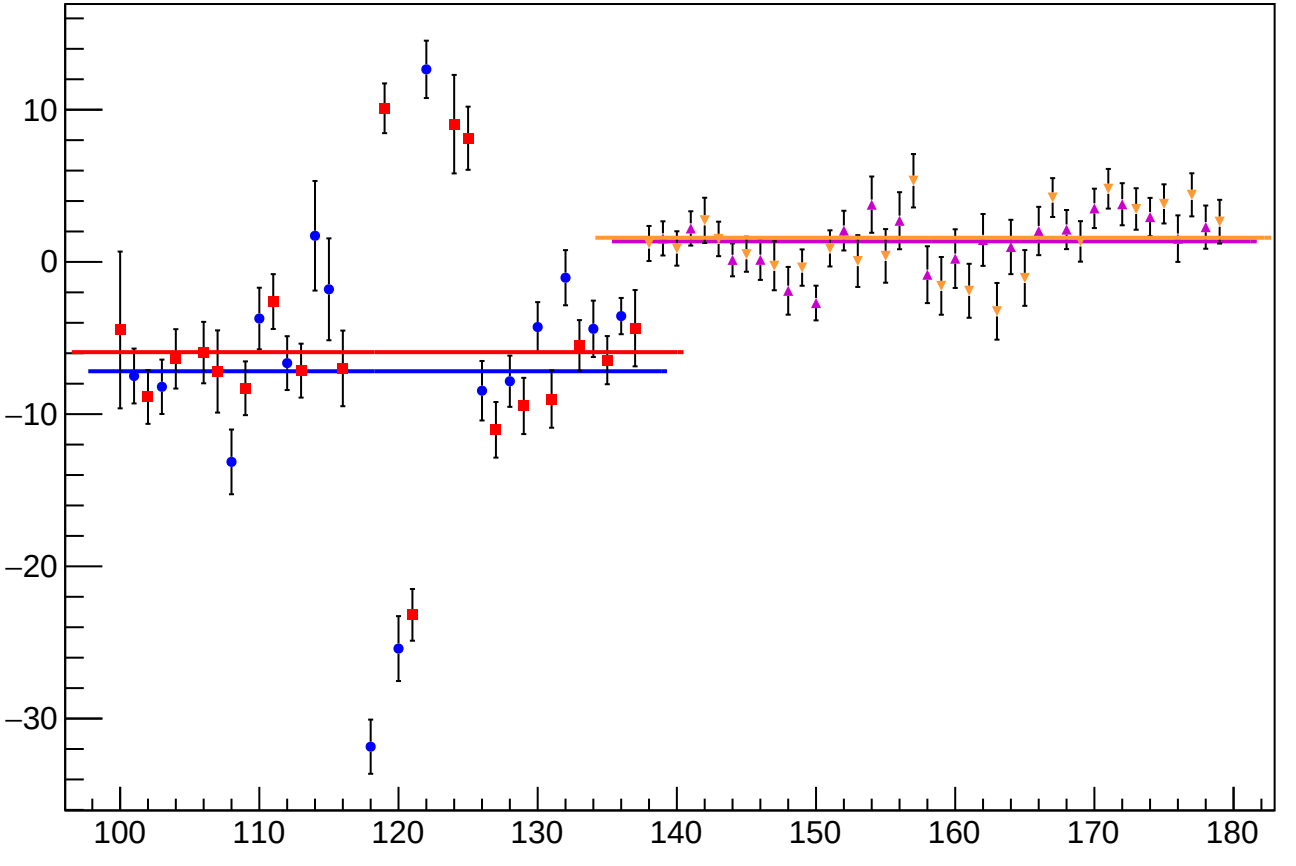
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8325.849+/-1.228 χ^2/NDF:747792.0/35

Out: 8235.828+/-1.180 χ^2/NDF:842521.2/40

All: 8279.044+/-0.851 χ^2/NDF: 1593106.0/76

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.590+/-0.296 χ^2/NDF:47.4/21

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.352+/-0.312 χ^2/NDF:32.4/19

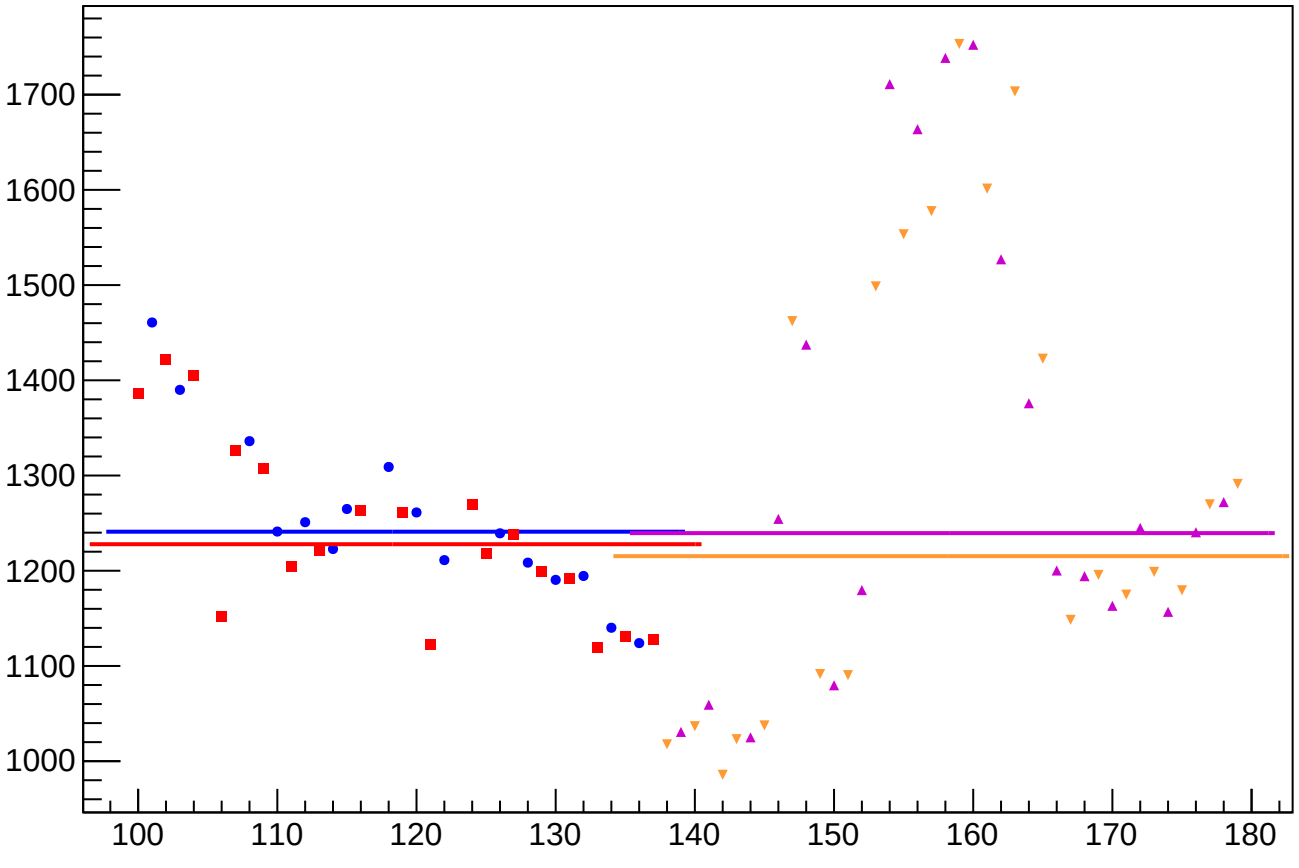
Left: 1.477+/-0.215 χ^2/NDF: 80.2/41

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.324+/-0.259 χ^2/NDF:688.6/35

Out: -0.690+/-0.247 χ^2/NDF:532.9/40

All: -0.992+/-0.179 χ^2/NDF: 1224.7/76



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1215.327+/-0.210 χ^2/NDF:1003769.9/21

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1239.517+/-0.221 χ^2/NDF:880928.3/19

Left: 1226.782+/-0.152 χ^2/NDF: 1891009.7/41

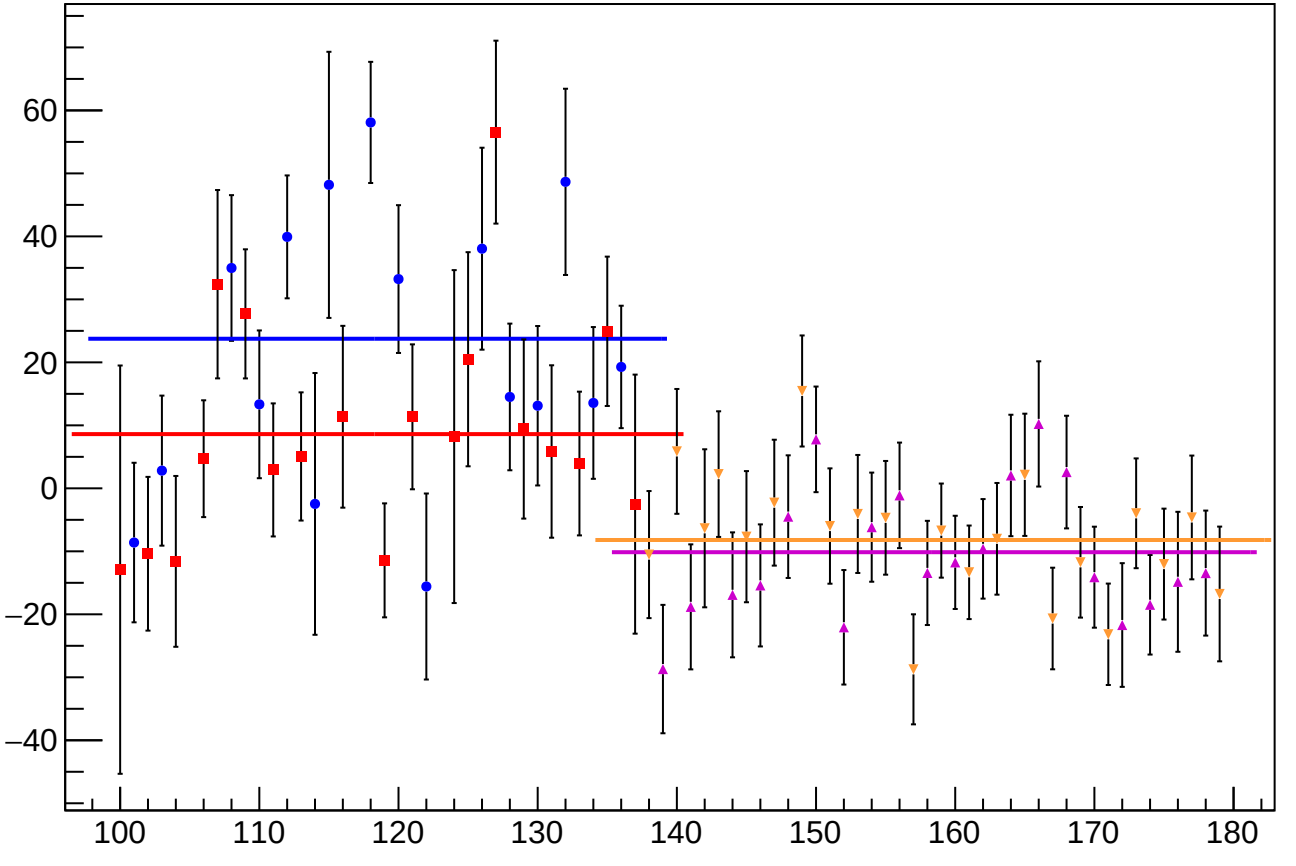
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1239.984+/-0.183 χ^2/NDF:961596.0/35

Out: 1219.129+/-0.175 χ^2/NDF:1087194.7/40

All: 1229.082+/-0.126 χ^2/NDF: 2055576.4/76

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.202+/-1.941 χ^2/NDF:25.5/21

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.139+/-2.010 χ^2/NDF:23.9/19

Left: -9.137+/-1.396 χ^2/NDF: 49.9/41

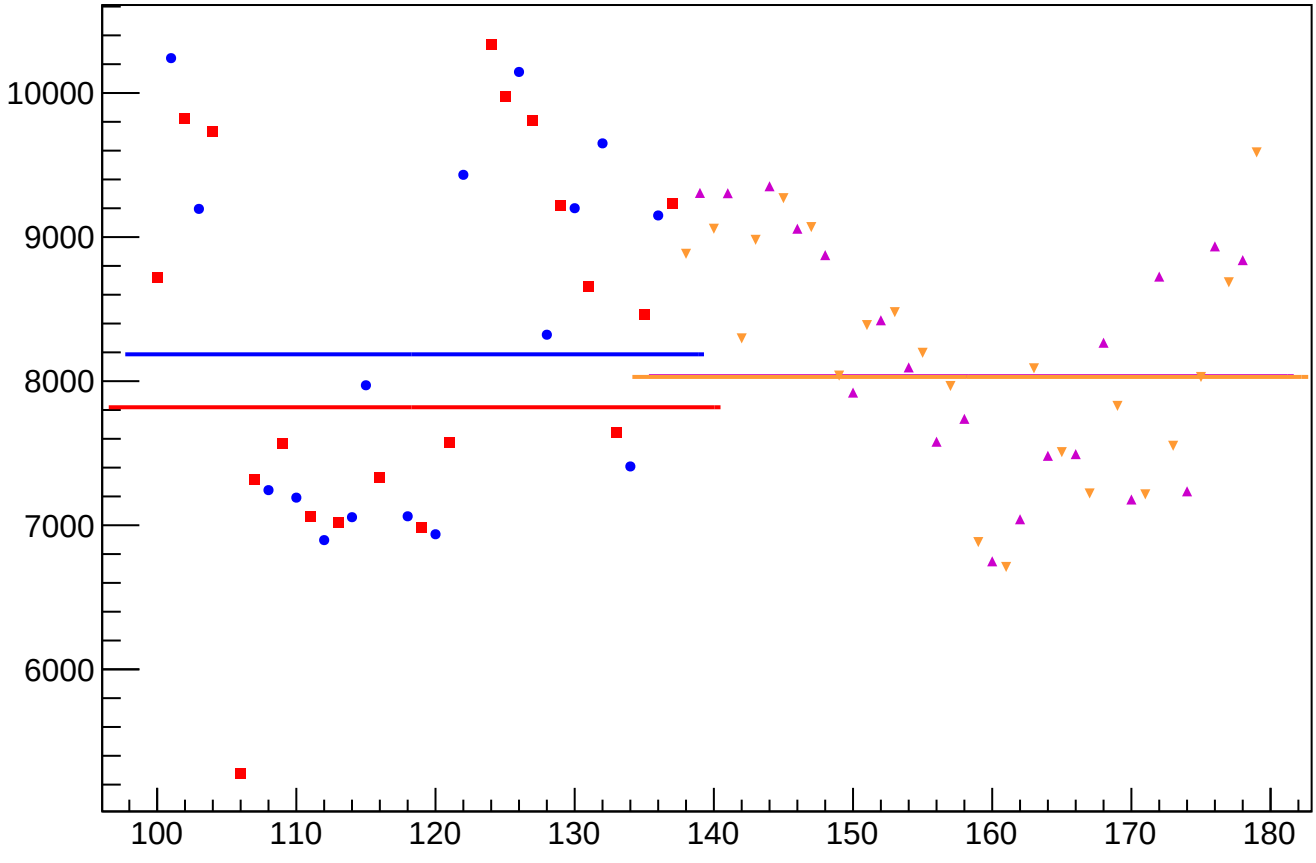
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: -0.024+/-1.684 χ^2/NDF:152.2/35

Out: -3.000+/-1.613 χ^2/NDF:79.2/40

All: -1.576+/-1.165 χ^2/NDF: 233.0/76

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8029.524+/-1.372 χ^2/NDF:328648.1/21

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8034.901+/-1.421 χ^2/NDF:334185.5/19

Left: 8032.118+/-0.987 χ^2/NDF: 662841.0/41

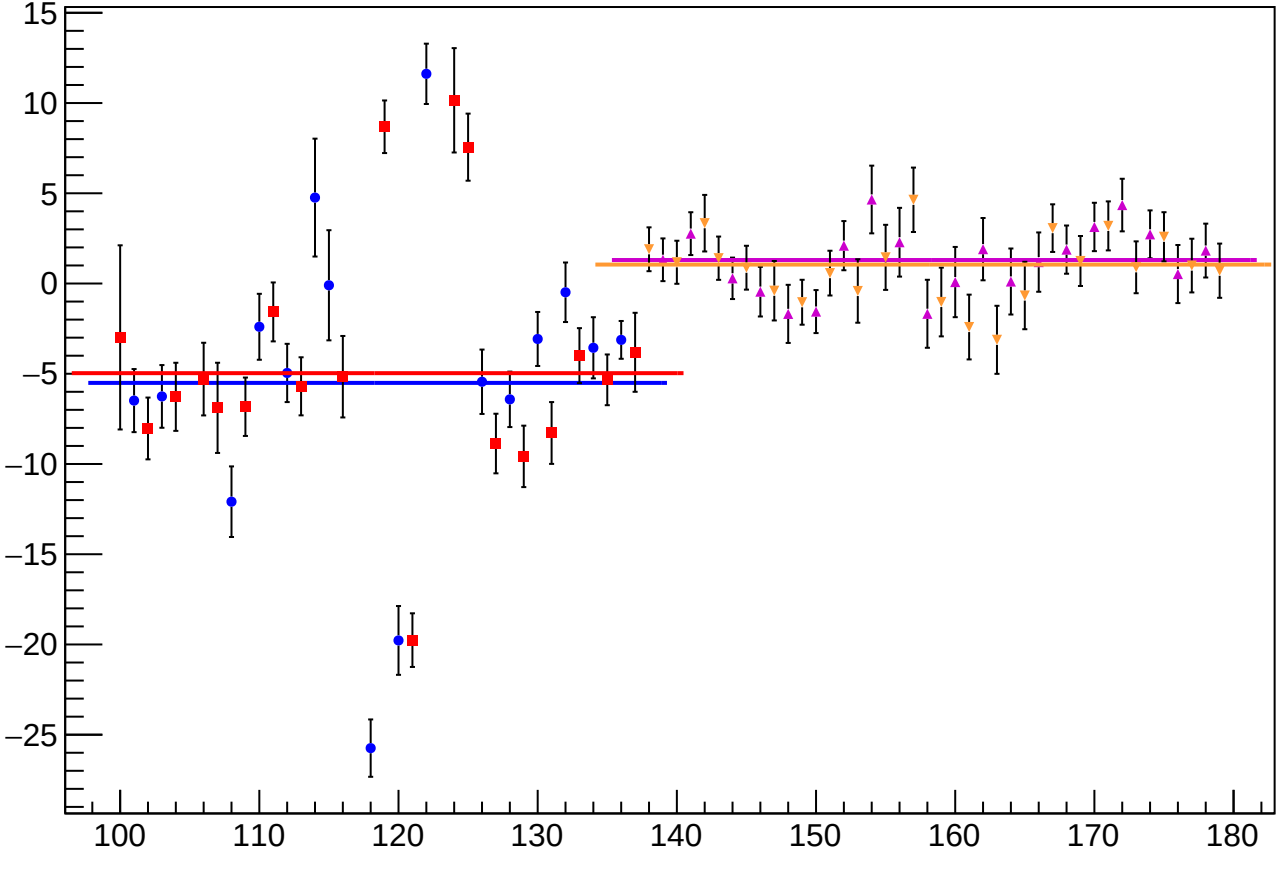
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8080.111+/-1.190 χ^2/NDF:628204.0/35

Out: 7964.371+/-1.140 χ^2/NDF:758932.2/40

All: 8019.752+/-0.823 χ^2/NDF: 1392065.8/76

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.050+/-0.309 χ^2/NDF:28.1/21

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.302+/-0.325 χ^2/NDF:28.3/19

Left: 1.170+/-0.224 χ^2/NDF: 56.7/41

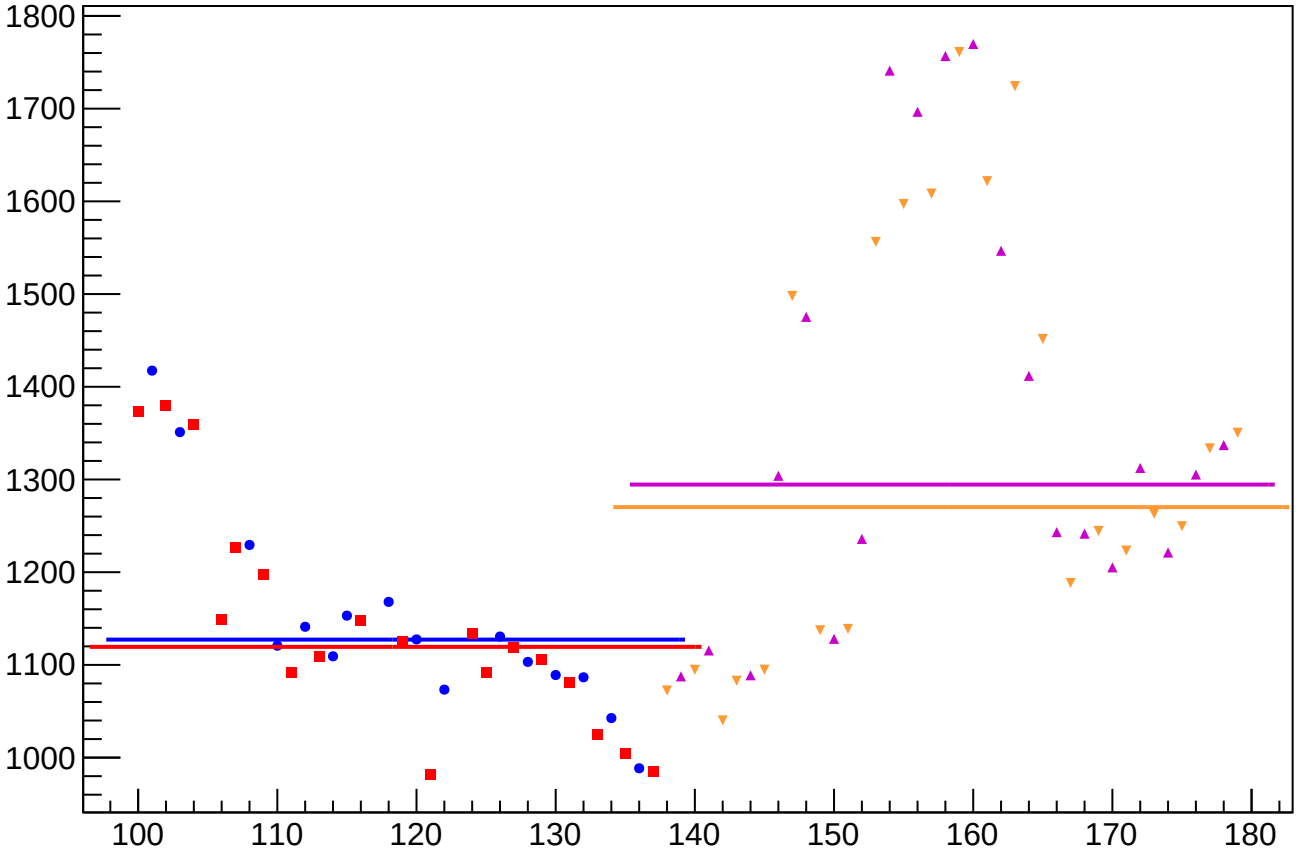
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.245+/-0.257 χ^2/NDF:561.9/35

Out: -1.126+/-0.247 χ^2/NDF:452.7/40

All: -1.183+/-0.178 χ^2/NDF: 1014.6/76

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1270.192+/-0.218 χ^2/NDF:868906.0/21

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1294.536+/-0.230 χ^2/NDF:754030.3/19

Left: 1281.730+/-0.158 χ^2/NDF: 1628824.1/41

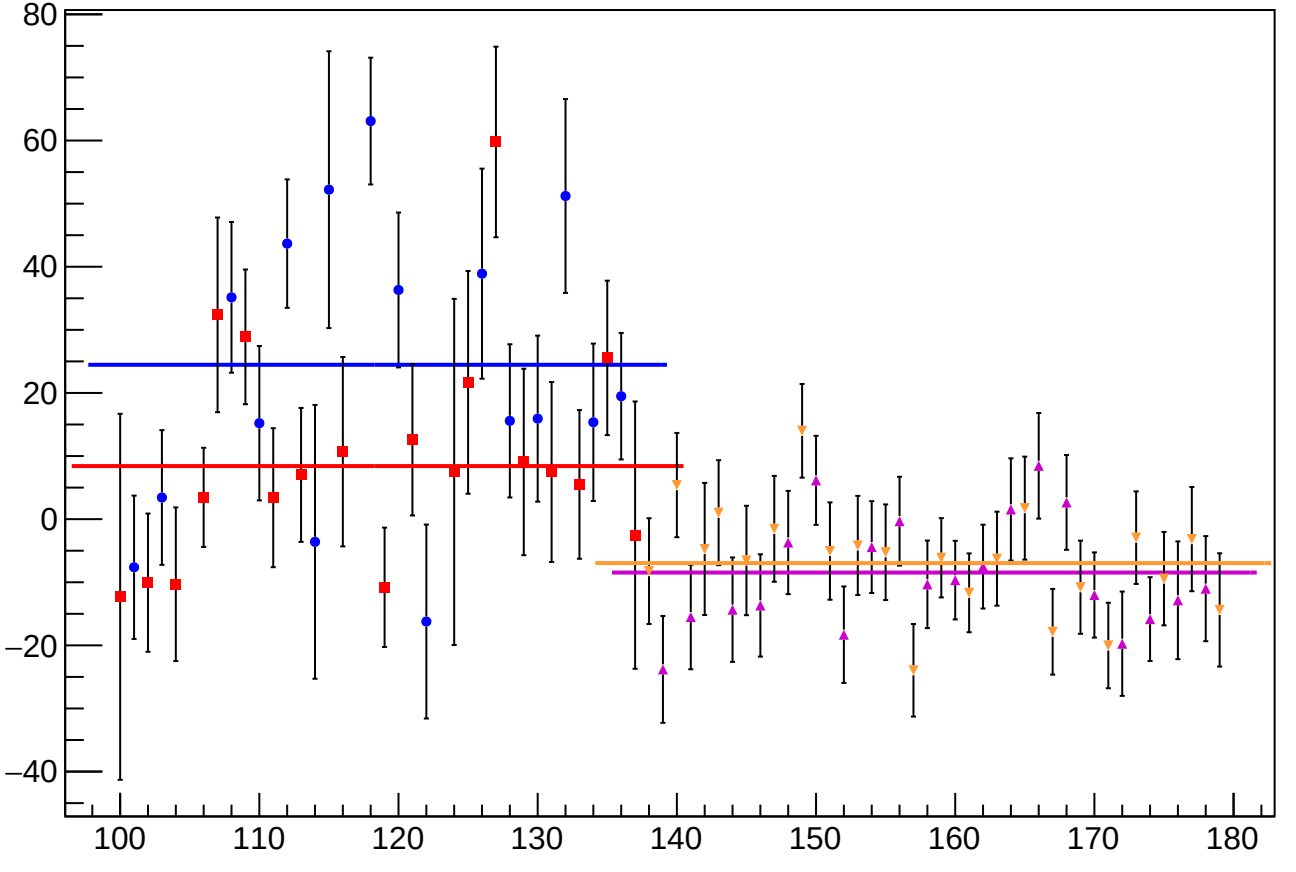
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1231.960+/-0.182 χ^2/NDF:1092300.3/35

Out: 1215.676+/-0.175 χ^2/NDF:1181867.6/40

All: 1223.474+/-0.126 χ^2/NDF: 2278338.0/76

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.961+/-1.629 χ^2/NDF:26.8/21

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.462+/-1.688 χ^2/NDF:24.5/19

Left: -7.685+/-1.172 χ^2/NDF: 51.7/41

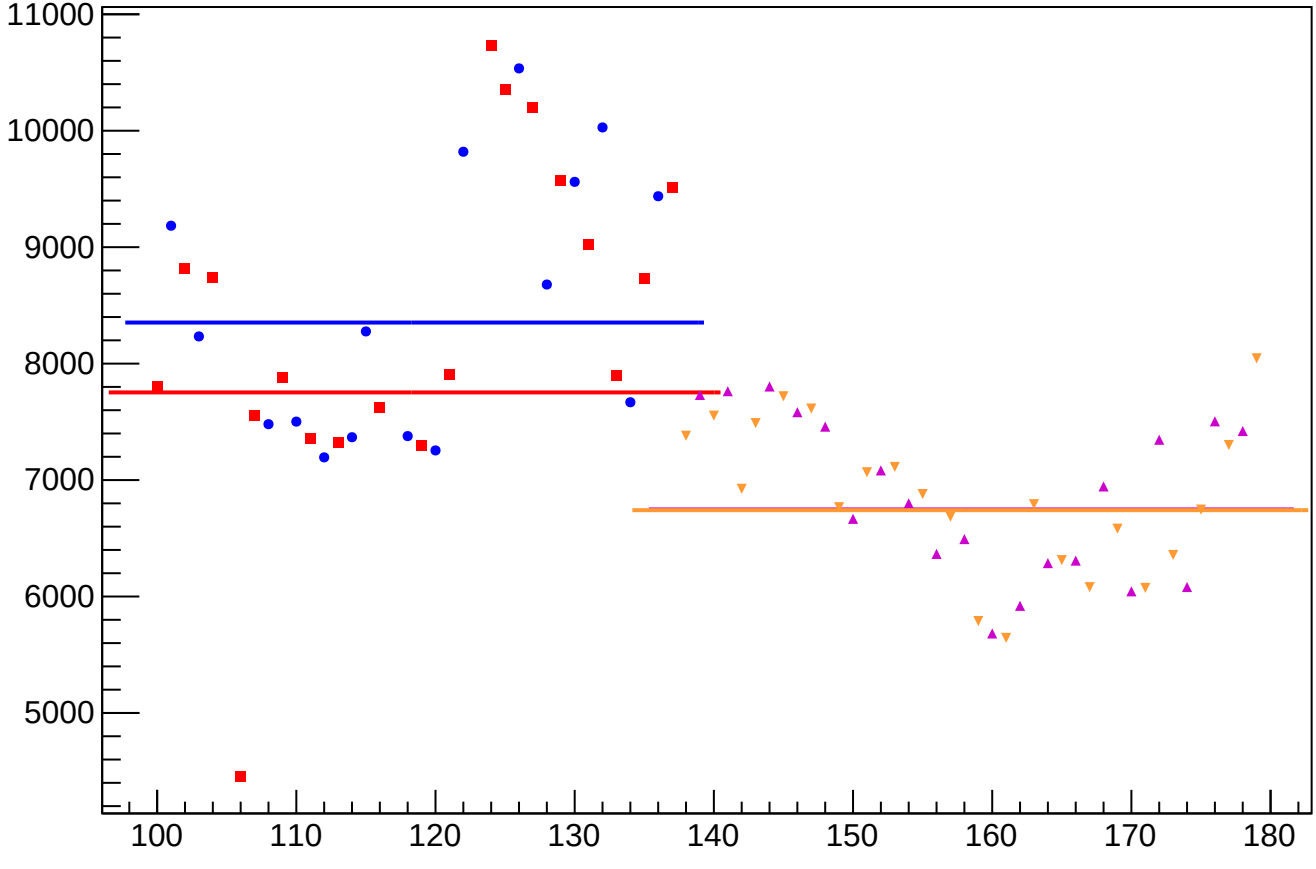
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -1.069+/-1.486 χ^2/NDF:158.3/35

Out: -3.257+/-1.419 χ^2/NDF:79.4/40

All: -2.214+/-1.026 χ^2/NDF: 238.8/76

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6741.493+/-1.152 χ^2/NDF:313046.0/21

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6747.919+/-1.193 χ^2/NDF:320126.0/19

Left: 6744.592+/-0.829 χ^2/NDF: 633187.1/41

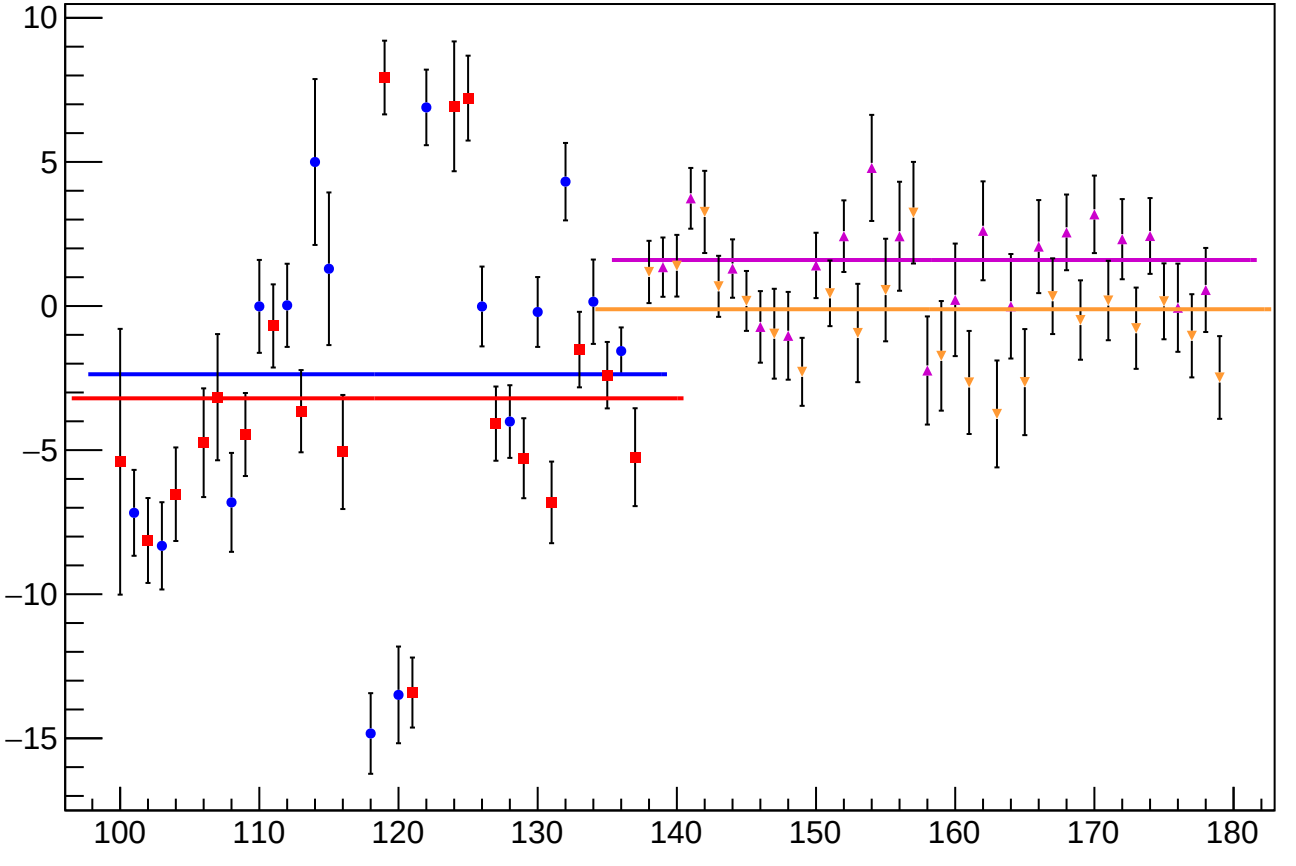
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7108.261+/-1.051 χ^2/NDF:946666.6/35

Out: 6985.132+/-1.003 χ^2/NDF:1086847.3/40

All: 7043.858+/-0.726 χ^2/NDF: 2040695.5/76

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.112+/-0.291 χ^2/NDF:29.7/21

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.597+/-0.307 χ^2/NDF:24.6/19

Left: 0.698+/-0.211 χ^2/NDF: 70.5/41

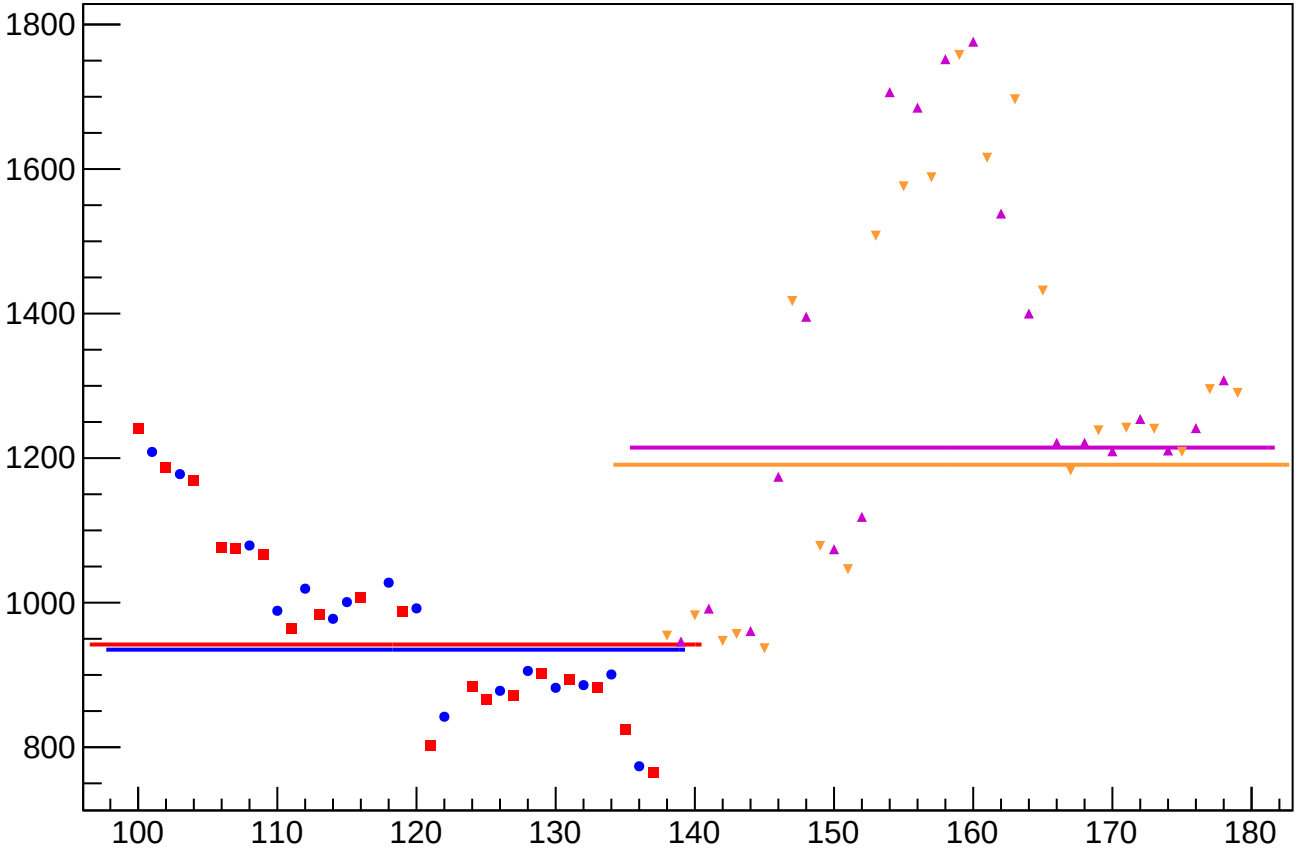
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.126+/-0.231 χ^2/NDF:352.5/35

Out: -1.393+/-0.223 χ^2/NDF:326.8/40

All: -0.782+/-0.160 χ^2/NDF: 694.9/76

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1190.836+/-0.206 χ^2/NDF:1306106.2/21

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1214.560+/-0.217 χ^2/NDF:1122496.3/19

Left: 1202.074+/-0.150 χ^2/NDF: 2434879.6/41

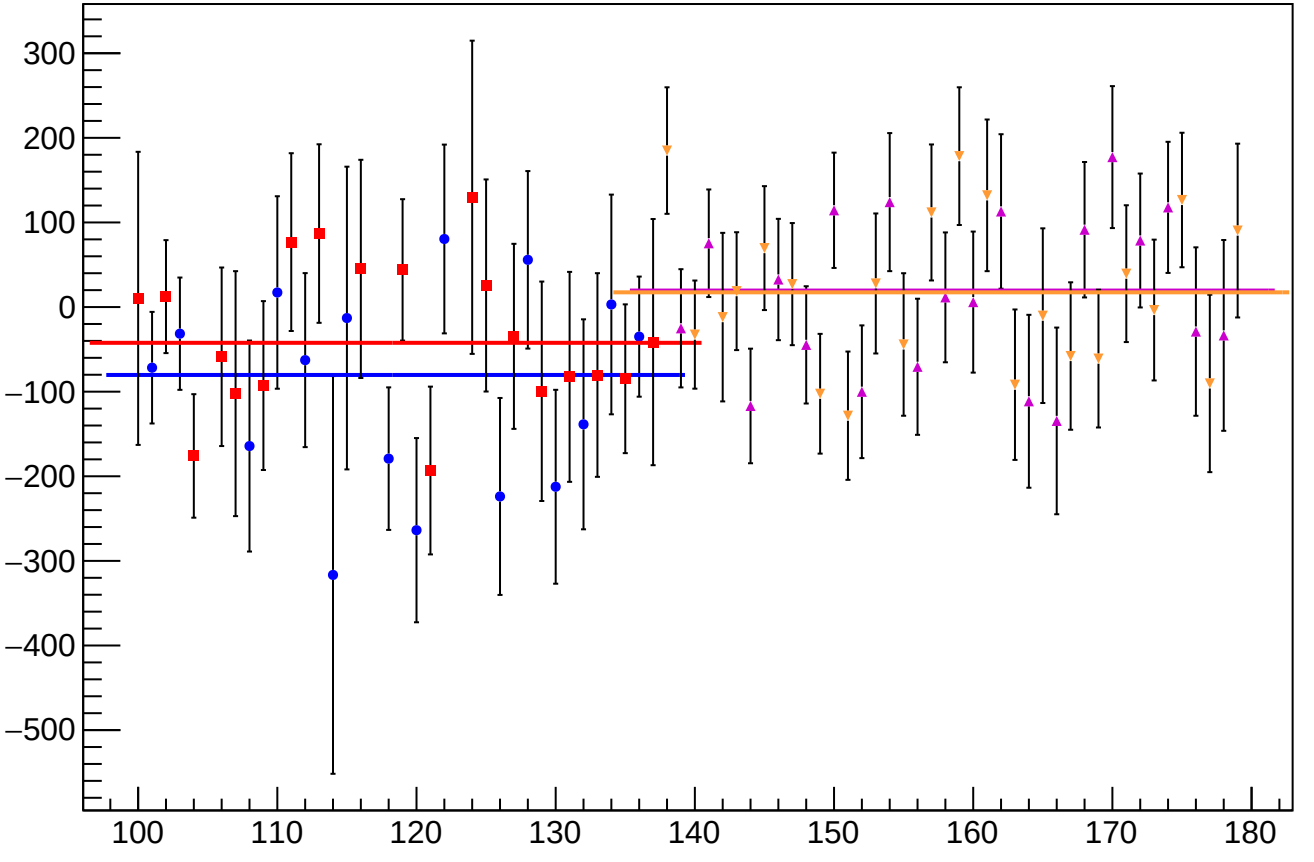
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1093.072+/-0.163 χ^2/NDF:2096661.1/35

Out: 1087.719+/-0.158 χ^2/NDF:2142415.7/40

All: 1090.301+/-0.113 χ^2/NDF: 4239632.5/76

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 17.414+/-17.292 χ^2/NDF:27.1/21

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 19.506+/-17.757 χ^2/NDF:24.9/19

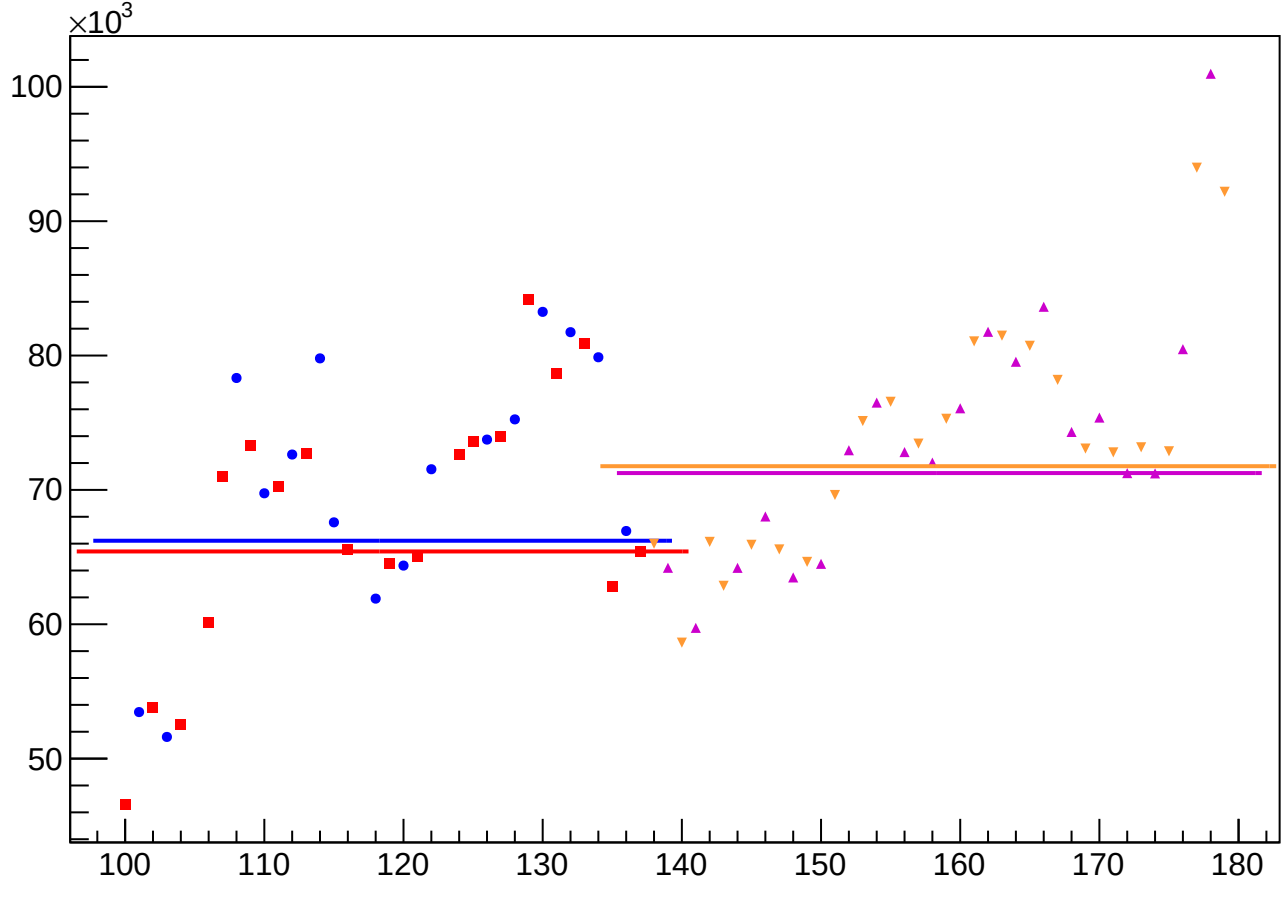
Left: 18.433+/-12.388 χ^2/NDF: 52.1/41

Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -14.107+/-14.459 χ^2/NDF:50.4/35

Out: -2.818+/-14.058 χ^2/NDF:44.1/40

All: -8.304+/-10.079 χ^2/NDF: 94.8/76



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 71764.183+/-12.227 χ^2/NDF:441207.4/21

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 71253.262+/-12.556 χ^2/NDF:402188.5/19

Left: 71515.502+/-8.760 χ^2/NDF: 844245.8/41

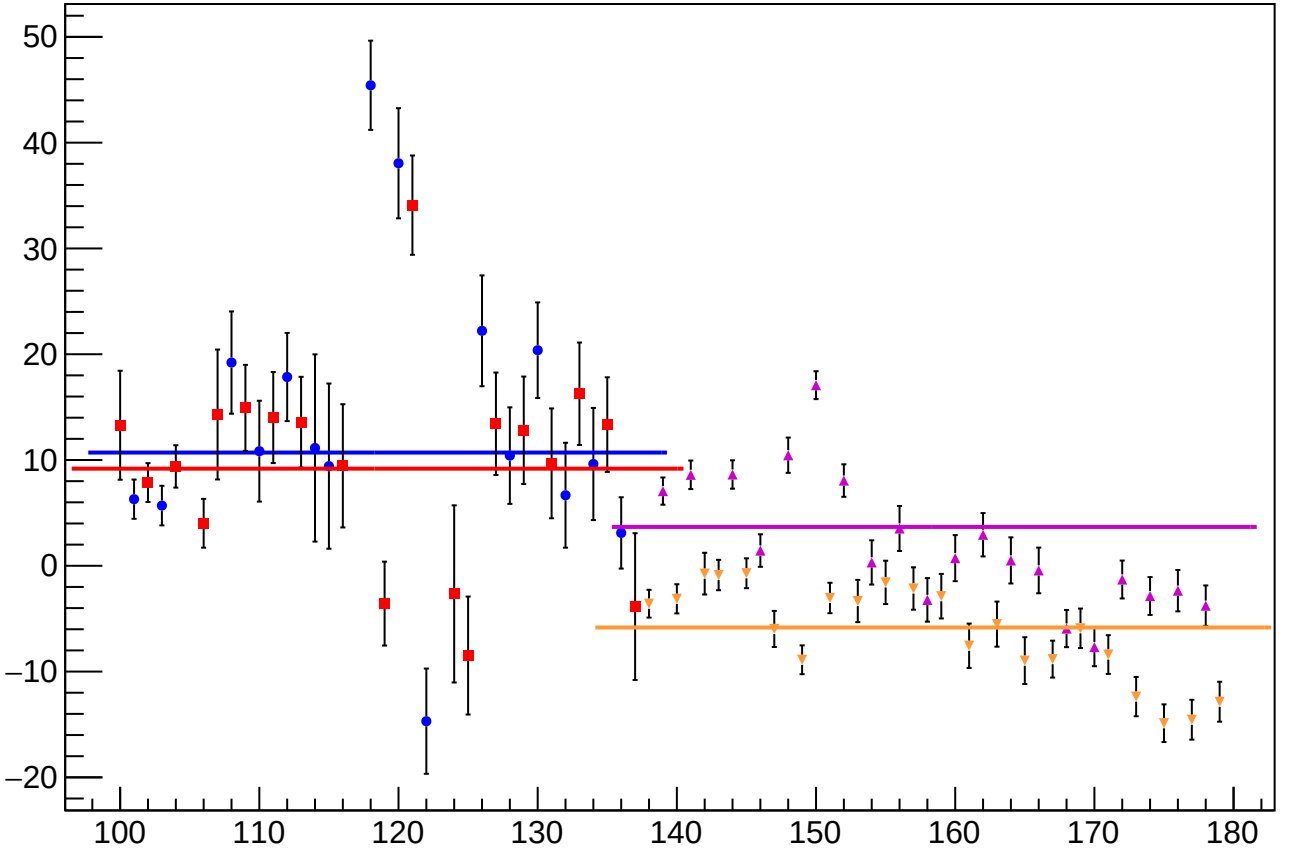
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 69555.962+/-10.224 χ^2/NDF:794794.9/35

Out: 69612.838+/-9.941 χ^2/NDF:837075.9/40

All: 69585.199+/-7.127 χ^2/NDF: 1631886.7/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.832+/-0.367 χ^2/NDF:139.7/21

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 3.674+/-0.382 χ^2/NDF:300.2/19

Left: -1.272+/-0.265 χ^2/NDF: 761.3/41

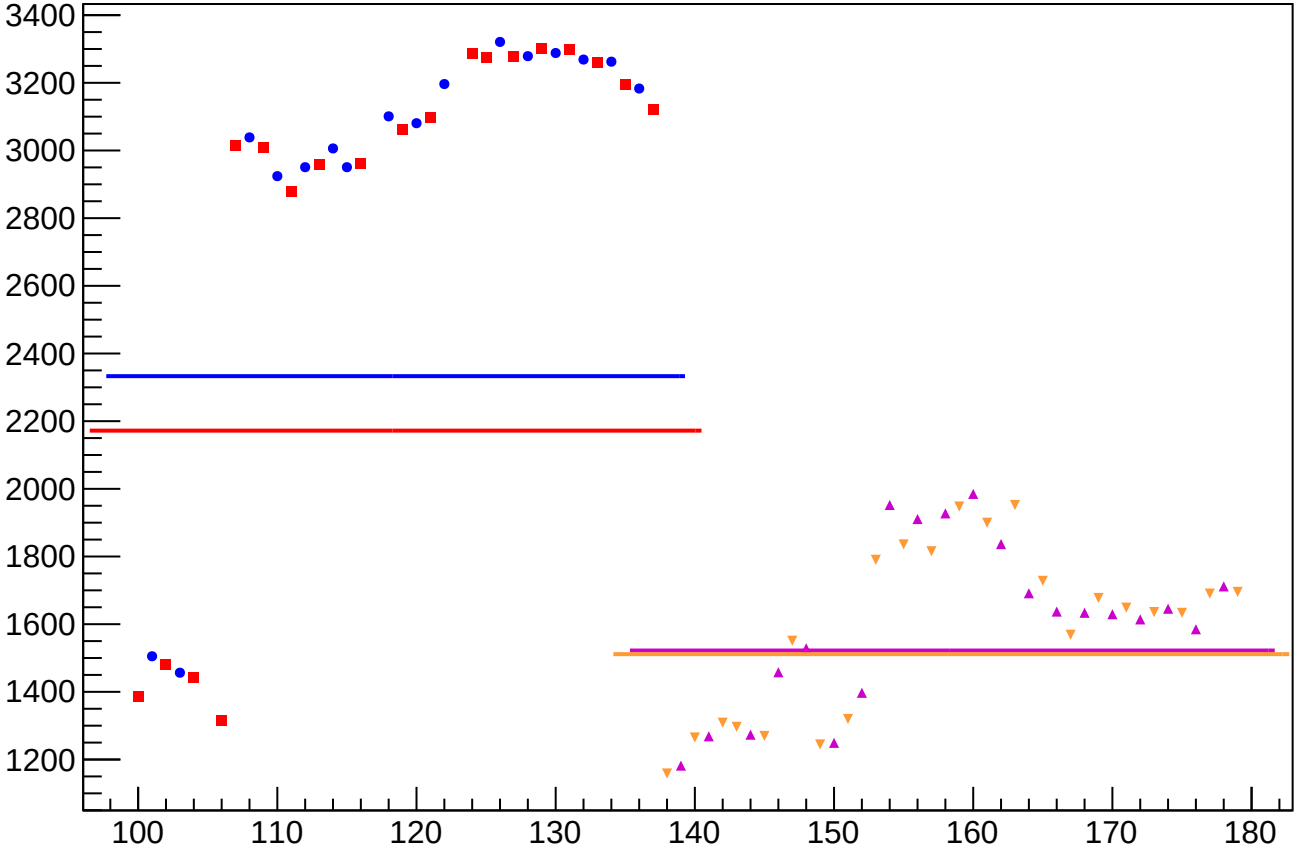
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 4.709+/-0.353 χ^2/NDF:505.5/35

Out: -3.471+/-0.337 χ^2/NDF:472.1/40

All: 0.429+/-0.244 χ^2/NDF: 1258.3/76

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1511.368+/-0.260 χ^2/NDF:925279.2/21

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1522.137+/-0.270 χ^2/NDF:816852.1/19

Left: 1516.533+/-0.187 χ^2/NDF: 1742956.5/41

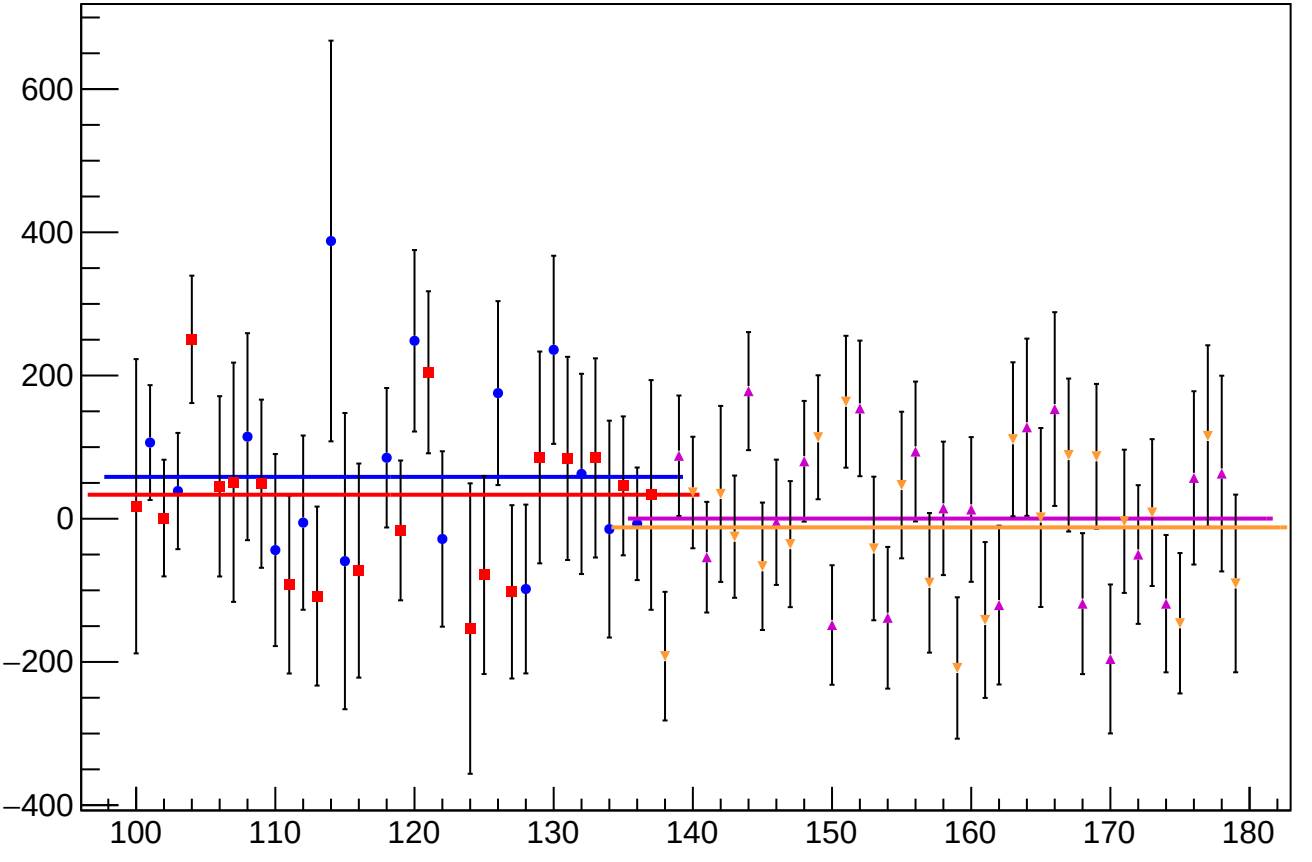
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1641.509+/-0.250 χ^2/NDF:3791667.7/35

Out: 1615.254+/-0.238 χ^2/NDF:3927437.0/40

All: 1627.770+/-0.172 χ^2/NDF: 7724887.7/76

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -12.071+/-21.087 χ^2/NDF:23.7/21

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 0.215+/-21.635 χ^2/NDF:26.6/19

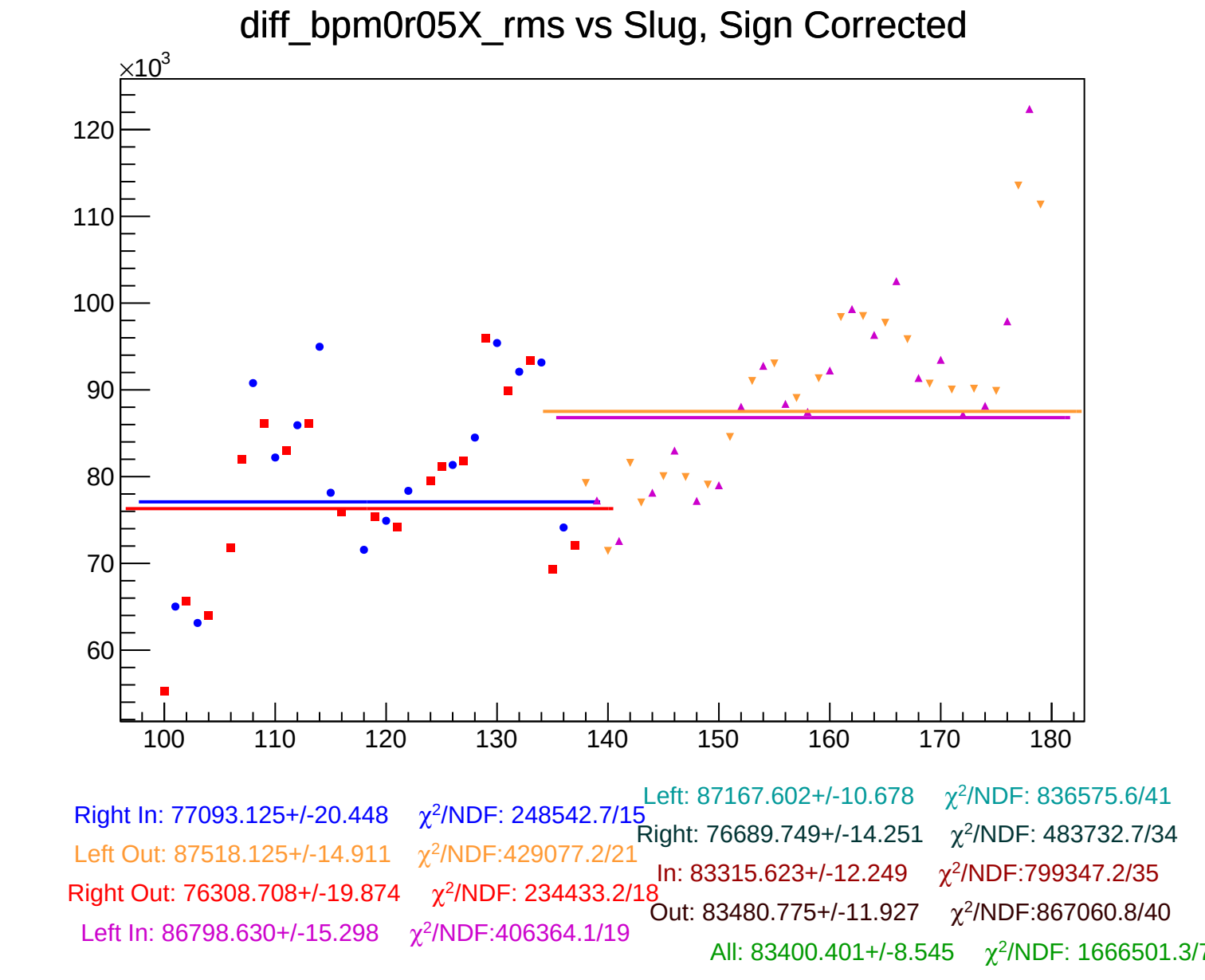
Left: -6.085+/-15.101 χ^2/NDF: 50.5/41

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

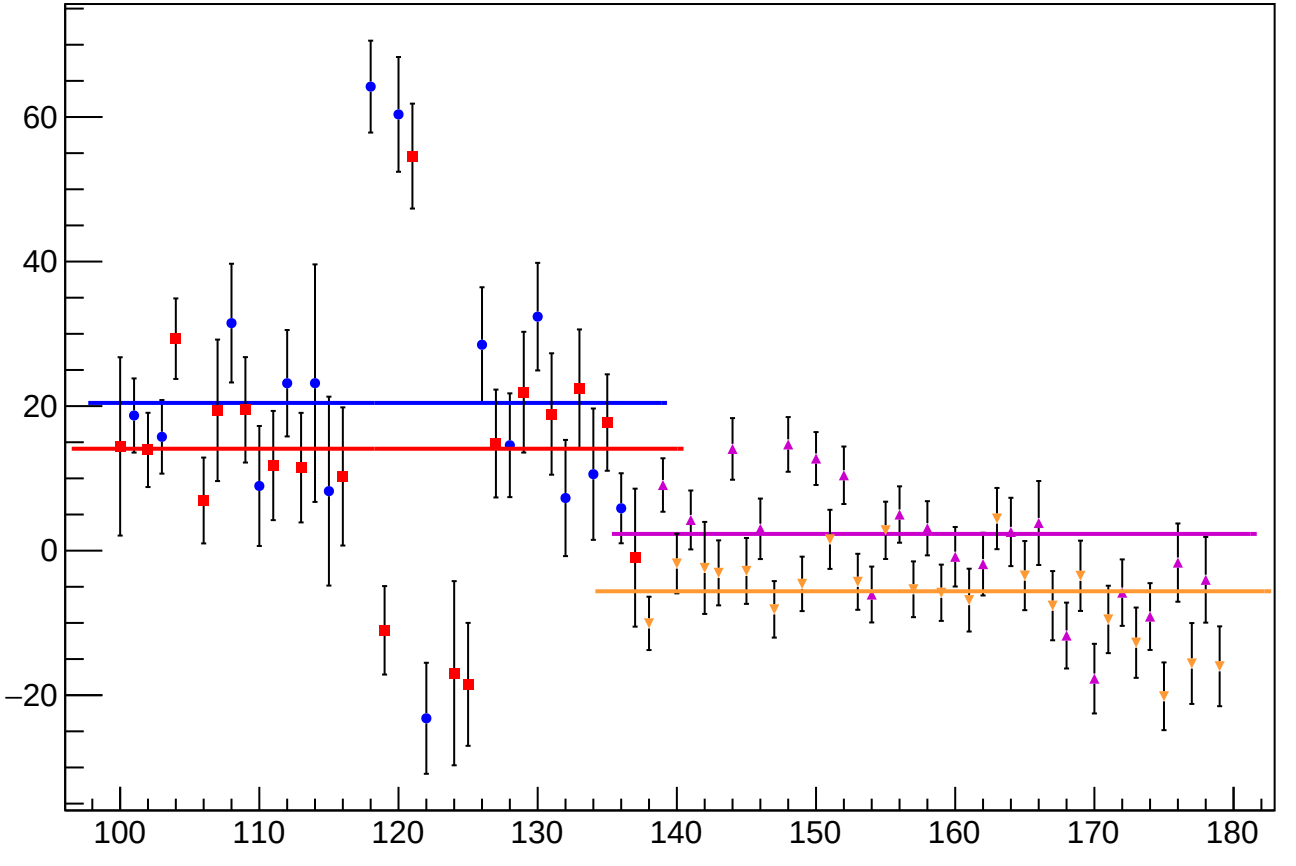
In: 21.113+/-17.323 χ^2/NDF:40.5/35

Out: 4.350+/-16.867 χ^2/NDF:40.0/40

All: 12.508+/-12.085 χ^2/NDF: 81.1/76


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 87518.125+/-14.911 χ²/NDF:429077.2/21
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 86798.630+/-15.298 χ²/NDF:406364.1/19
Left: 87167.602+/-10.678 χ²/NDF: 836575.6/41
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 83315.623+/-12.249 χ²/NDF:799347.2/35
Out: 83480.775+/-11.927 χ²/NDF:867060.8/40
All: 83400.401+/-8.545 χ²/NDF: 1666501.3/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.620+/-0.932 χ^2/NDF:37.0/21

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.315+/-0.957 χ^2/NDF:78.8/19

Left: -1.757+/-0.668 χ^2/NDF: 151.0/41

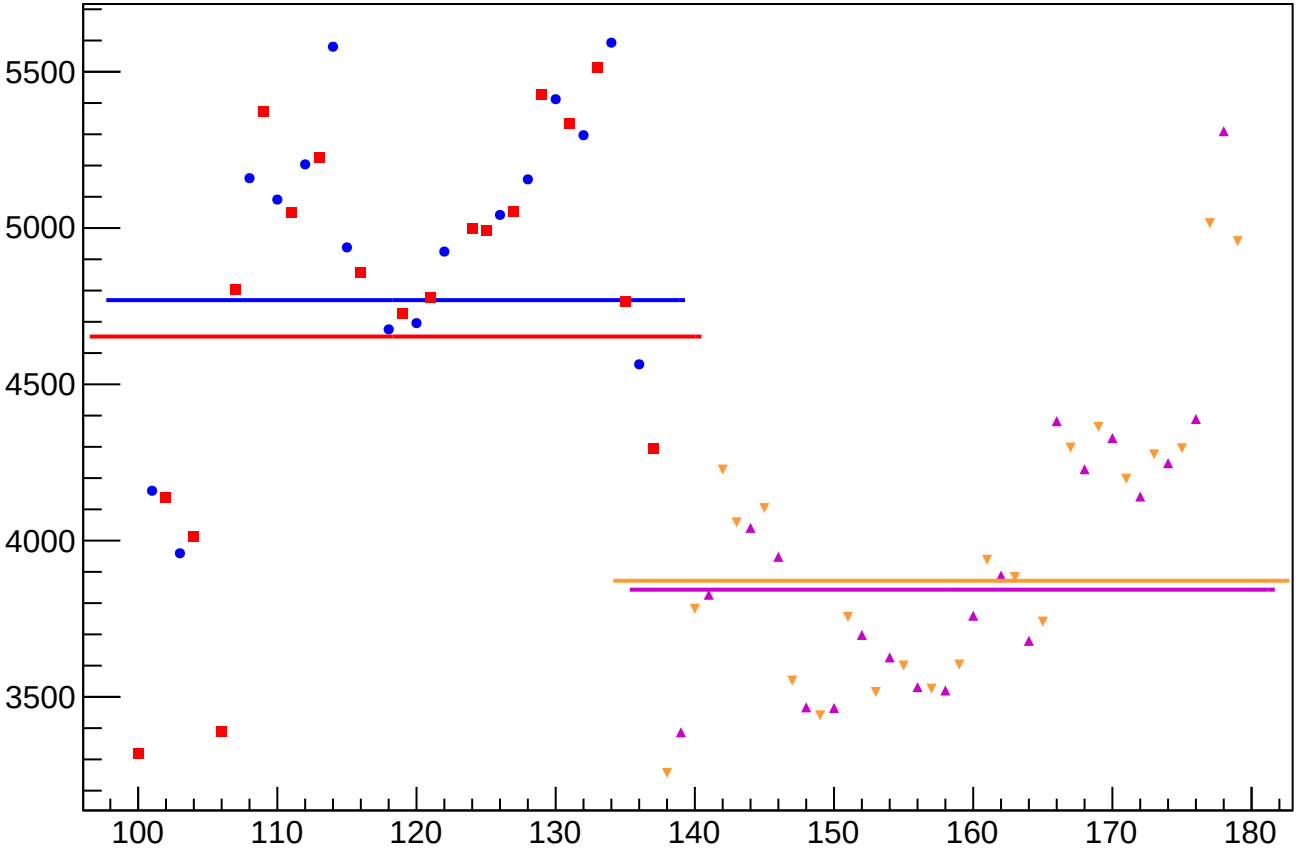
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 6.375+/-0.843 χ^2/NDF:286.9/35

Out: -1.115+/-0.819 χ^2/NDF:222.9/40

All: 2.520+/-0.588 χ^2/NDF: 550.4/76

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3871.585+/-0.659 χ^2/NDF:403578.3/21

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3843.019+/-0.677 χ^2/NDF:335437.9/19

Left: 3857.679+/-0.472 χ^2/NDF: 739930.2/41

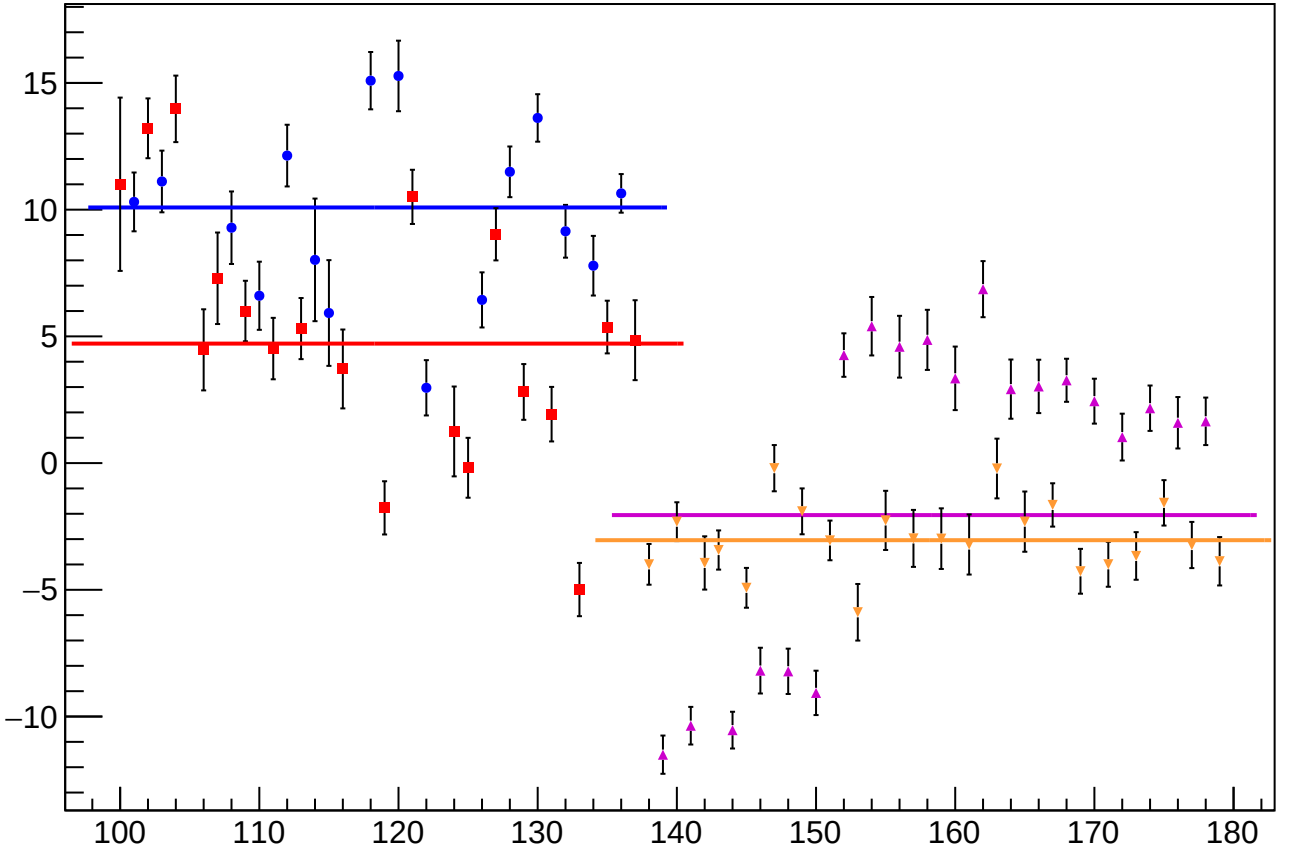
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4050.482+/-0.596 χ^2/NDF:906562.2/35

Out: 4050.052+/-0.579 χ^2/NDF:989533.4/40

All: 4050.261+/-0.415 χ^2/NDF: 1896095.9/76

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.042+/-0.199 χ^2/NDF:43.1/21

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.052+/-0.208 χ^2/NDF:988.2/19

Left: -2.570+/-0.144 χ^2/NDF: 1043.1/41

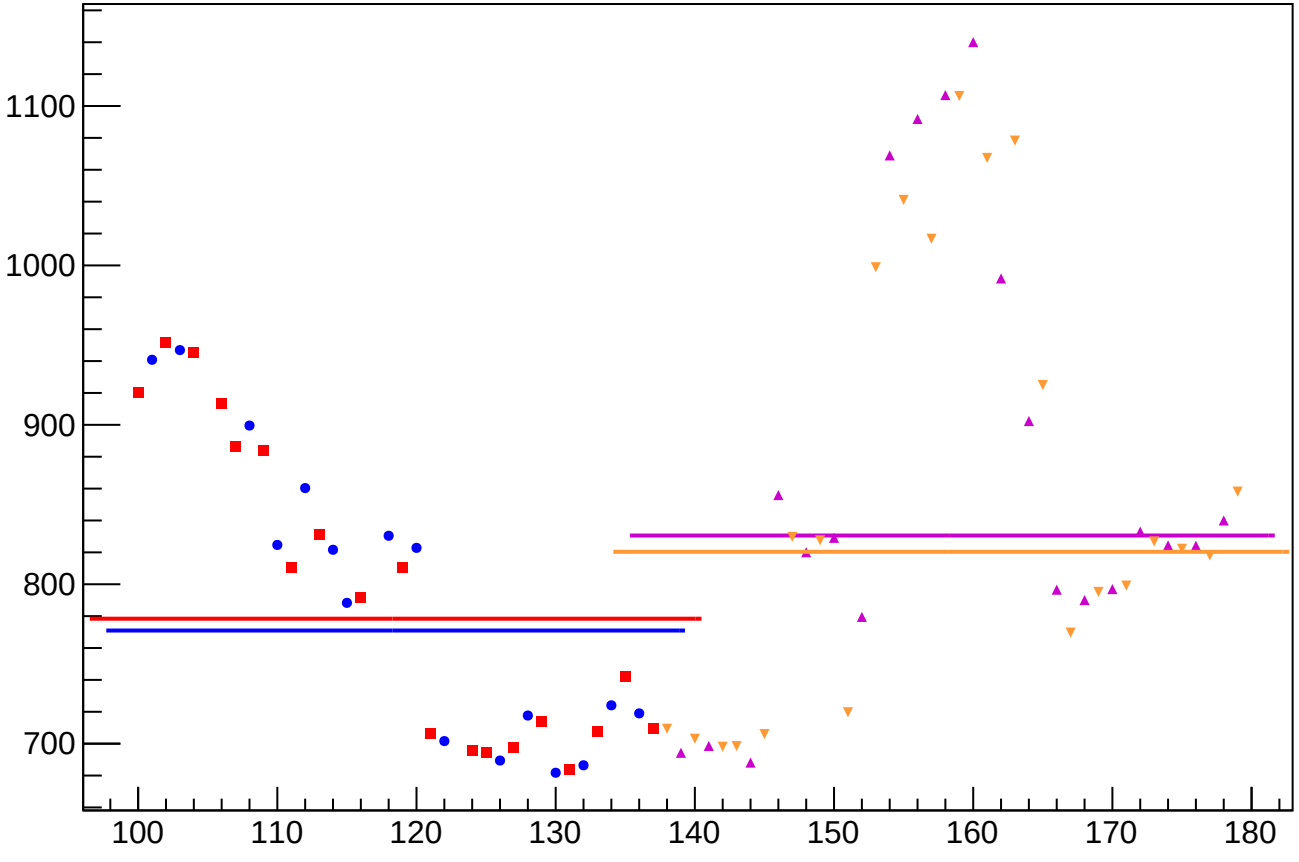
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.113+/-0.169 χ^2/NDF:2276.0/35

Out: -0.510+/-0.163 χ^2/NDF:849.6/40

All: 0.757+/-0.117 χ^2/NDF: 3250.2/76

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.361+/-0.141 χ^2/NDF:746659.0/21

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.578+/-0.147 χ^2/NDF:682294.8/19

Left: 825.232+/-0.102 χ^2/NDF: 1431468.8/41

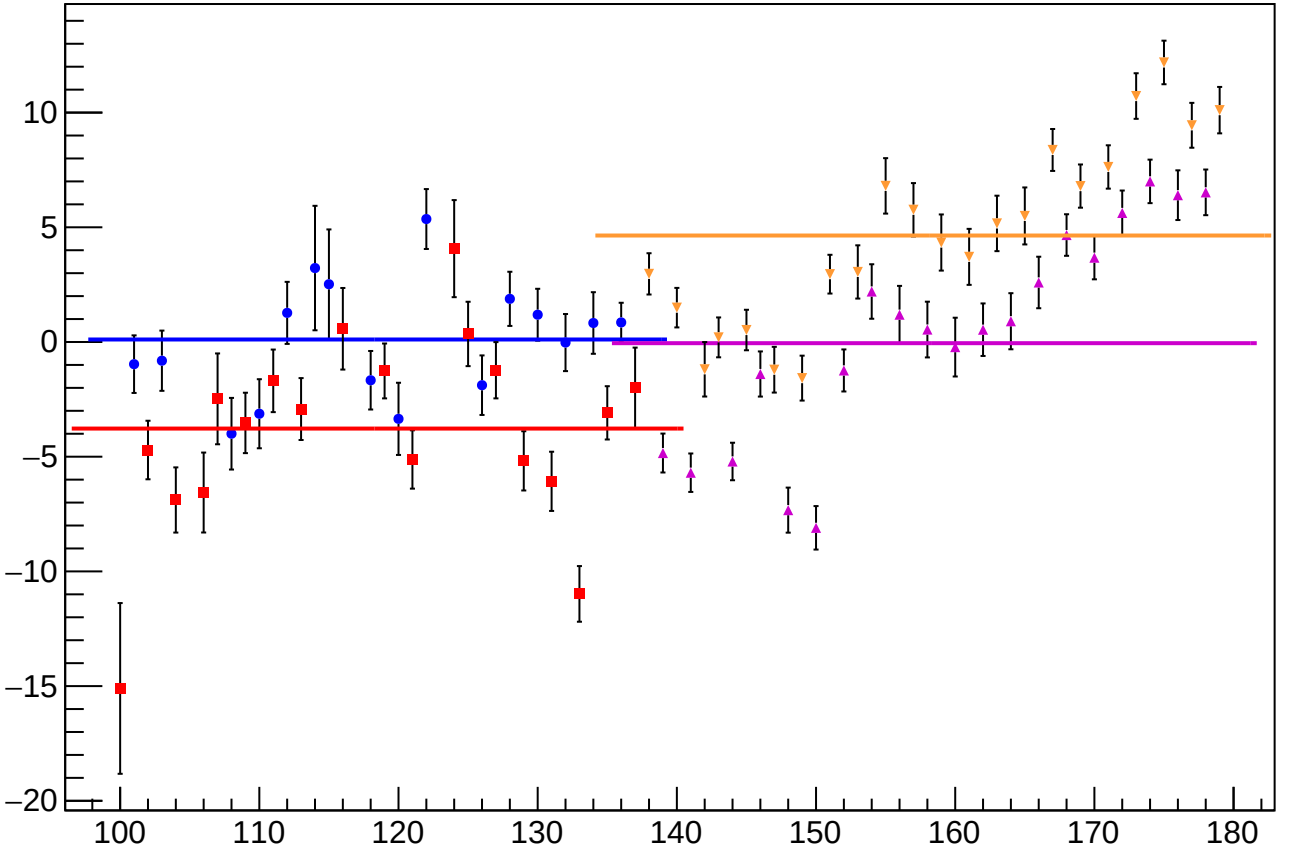
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 810.128+/-0.119 χ^2/NDF:931335.4/35

Out: 806.661+/-0.115 χ^2/NDF:972257.4/40

All: 808.336+/-0.083 χ^2/NDF: 1904028.5/76

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.641+/-0.214 χ^2/NDF:360.6/21

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.052+/-0.224 χ^2/NDF:469.9/19

Left: 2.400+/-0.155 χ^2/NDF: 1059.5/41

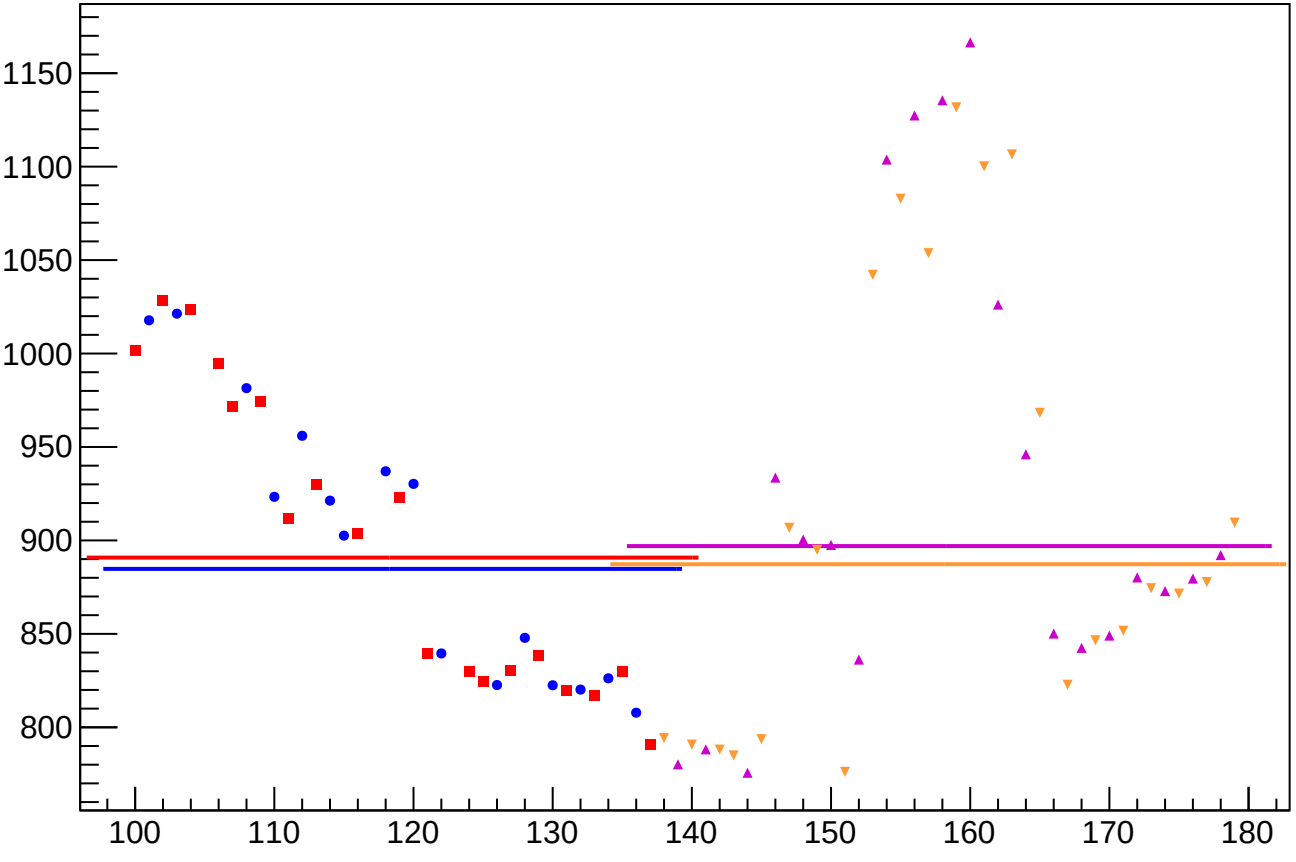
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.001+/-0.185 χ^2/NDF:515.4/35

Out: 2.103+/-0.179 χ^2/NDF:925.4/40

All: 1.088+/-0.129 χ^2/NDF: 1507.4/76

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 887.266+/-0.152 χ^2/NDF:508714.5/21

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 896.975+/-0.158 χ^2/NDF:467812.0/19

Left: 891.902+/-0.110 χ^2/NDF: 978486.9/41

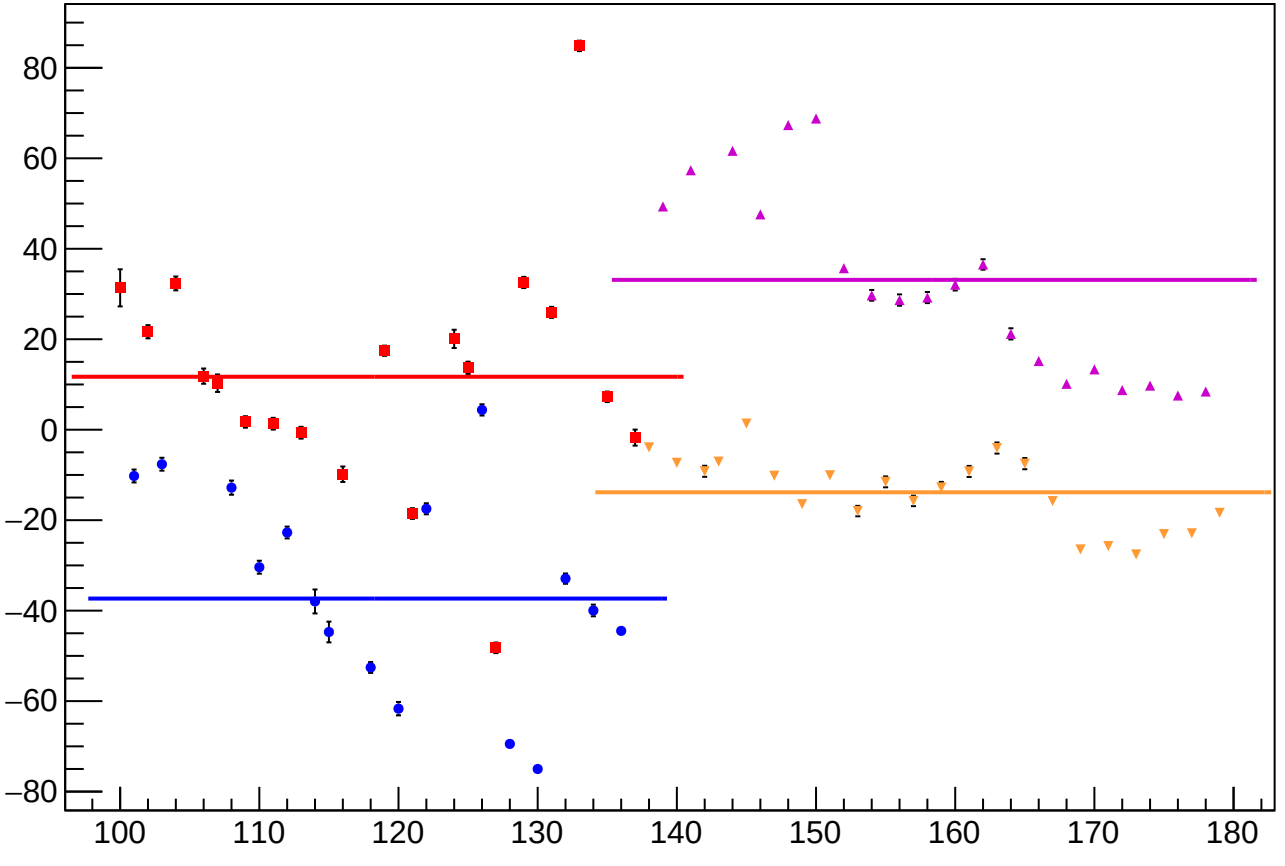
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.121+/-0.131 χ^2/NDF:574177.9/35

Out: 888.337+/-0.127 χ^2/NDF:616643.6/40

All: 890.646+/-0.091 χ^2/NDF: 1191510.6/76

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.830+/-0.216 χ^2/NDF:1435.5/21

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 33.126+/-0.227 χ^2/NDF:8667.1/19

Left: 8.511+/-0.156 χ^2/NDF: 32561.4/41

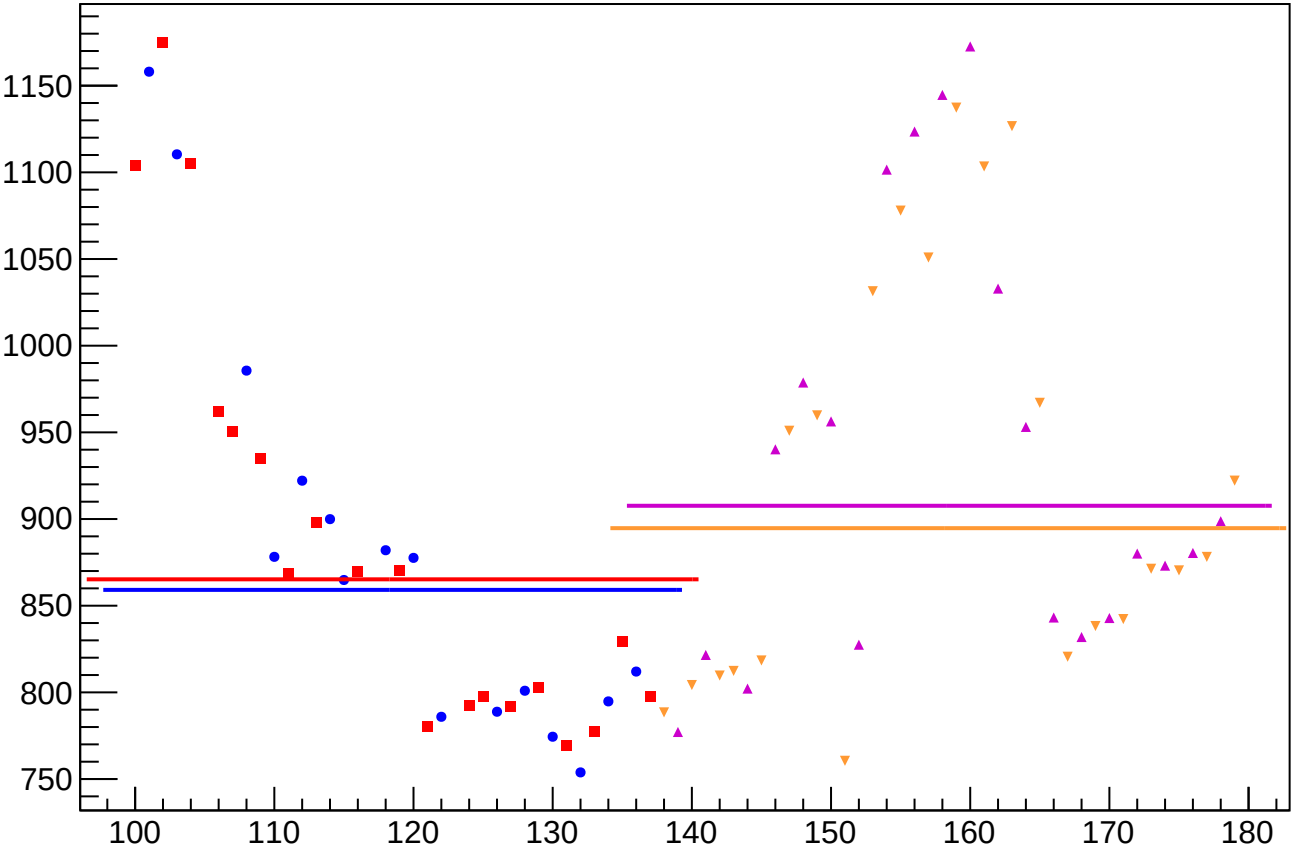
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.729+/-0.185 χ^2/NDF:45882.7/35

Out: -5.759+/-0.179 χ^2/NDF:14311.8/40

All: 1.702+/-0.129 χ^2/NDF: 63811.4/76

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 894.728+/-0.153 χ^2/NDF:511984.6/21

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 907.647+/-0.160 χ^2/NDF:464354.6/19

Left: 900.875+/-0.111 χ^2/NDF: 979739.7/41

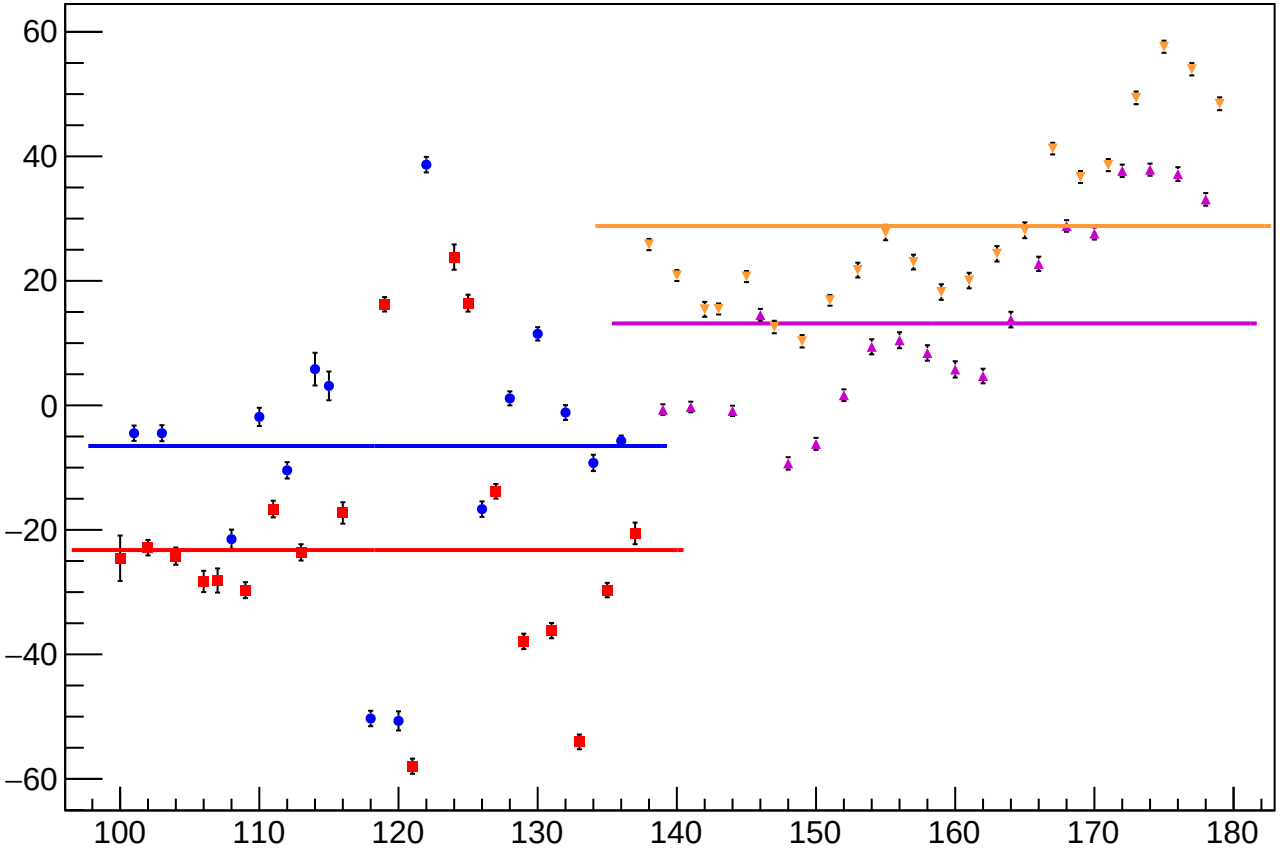
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 891.535+/-0.131 χ^2/NDF:723447.4/35

Out: 885.398+/-0.126 χ^2/NDF:747442.9/40

All: 888.354+/-0.091 χ^2/NDF: 1472025.8/76

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 28.809+/-0.219 χ^2/NDF:4136.4/21

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 13.161+/-0.229 χ^2/NDF:4638.6/19

Left: 21.340+/-0.158 χ^2/NDF: 11219.5/41

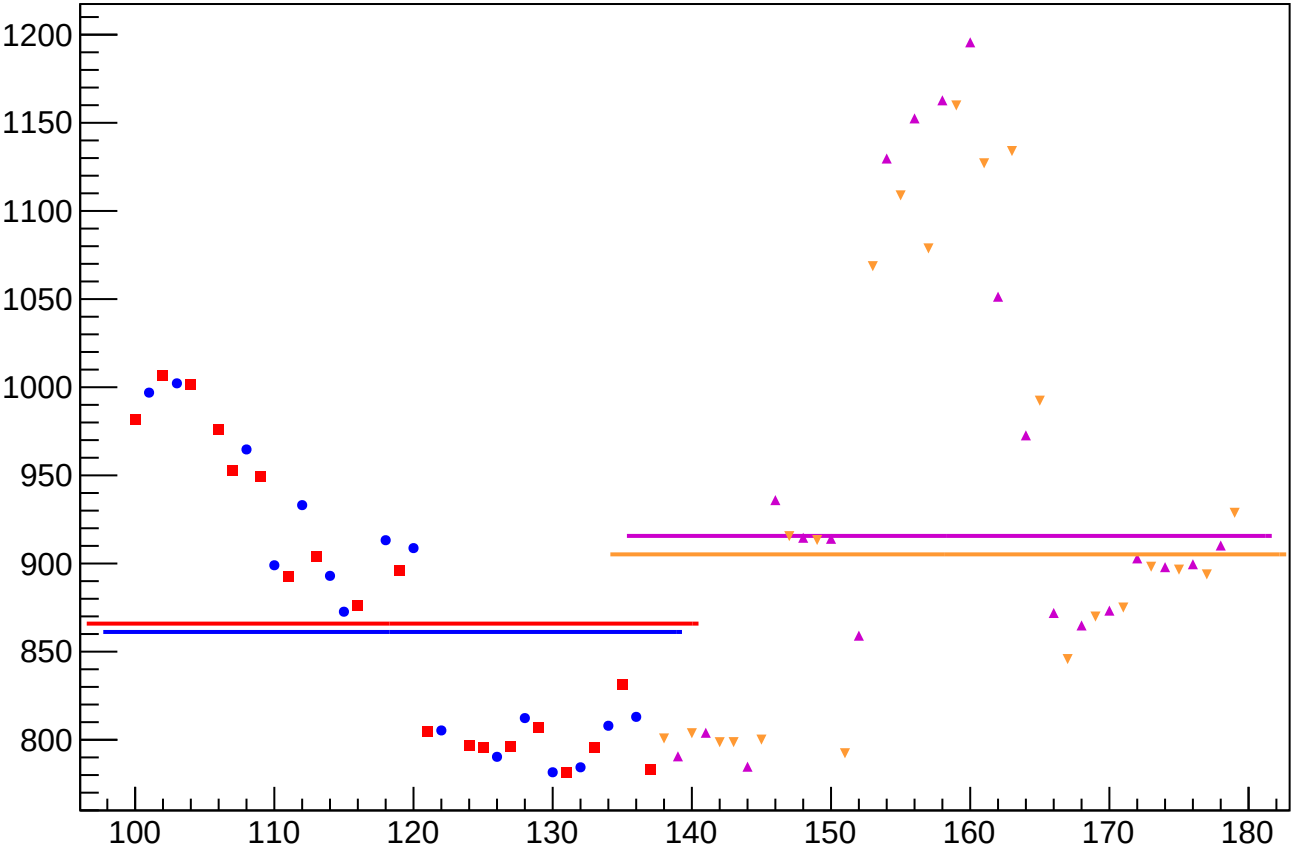
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 6.532+/-0.186 χ^2/NDF:11077.4/35

Out: 12.029+/-0.180 χ^2/NDF:26874.9/40

All: 9.376+/-0.129 χ^2/NDF: 38402.5/76

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.186+/-0.155 χ^2/NDF:532356.1/21

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 915.659+/-0.162 χ^2/NDF:479832.7/19

Left: 910.185+/-0.112 χ^2/NDF: 1014378.9/41

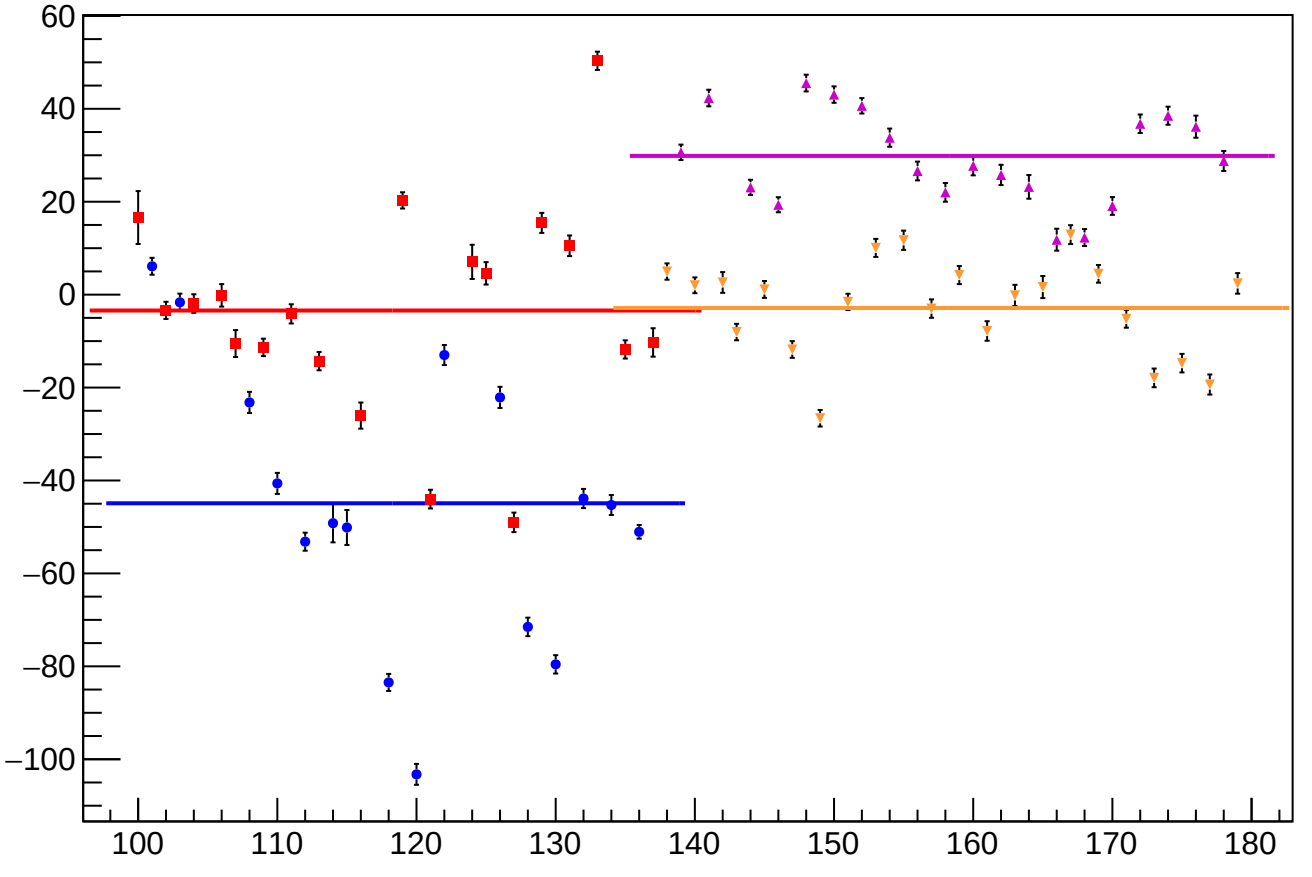
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 897.314+/-0.132 χ^2/NDF:631544.9/35

Out: 892.524+/-0.127 χ^2/NDF:671579.2/40

All: 894.836+/-0.092 χ^2/NDF: 1303807.7/76

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.873+/-0.416 χ^2/NDF:601.0/21

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.860+/-0.429 χ^2/NDF:536.5/19

Left: 12.995+/-0.299 χ^2/NDF: 4136.3/41

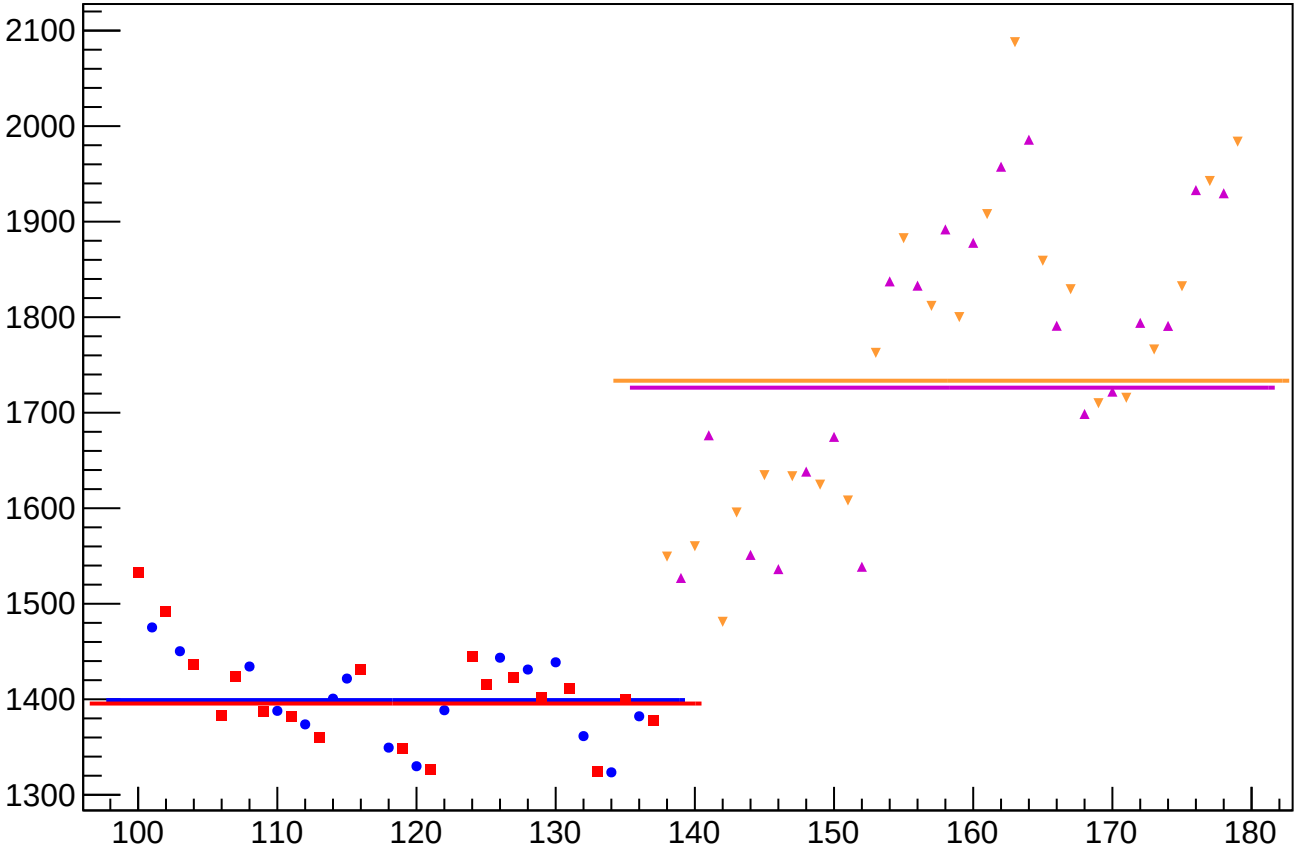
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -0.431+/-0.331 χ^2/NDF:16215.9/35

Out: -3.091+/-0.322 χ^2/NDF:2703.8/40

All: -1.796+/-0.231 χ^2/NDF: 18952.9/76

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1733.489+/-0.294 χ^2/NDF:249334.4/21

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1726.214+/-0.303 χ^2/NDF:231614.1/19

Left: 1729.962+/-0.211 χ^2/NDF: 481244.8/41

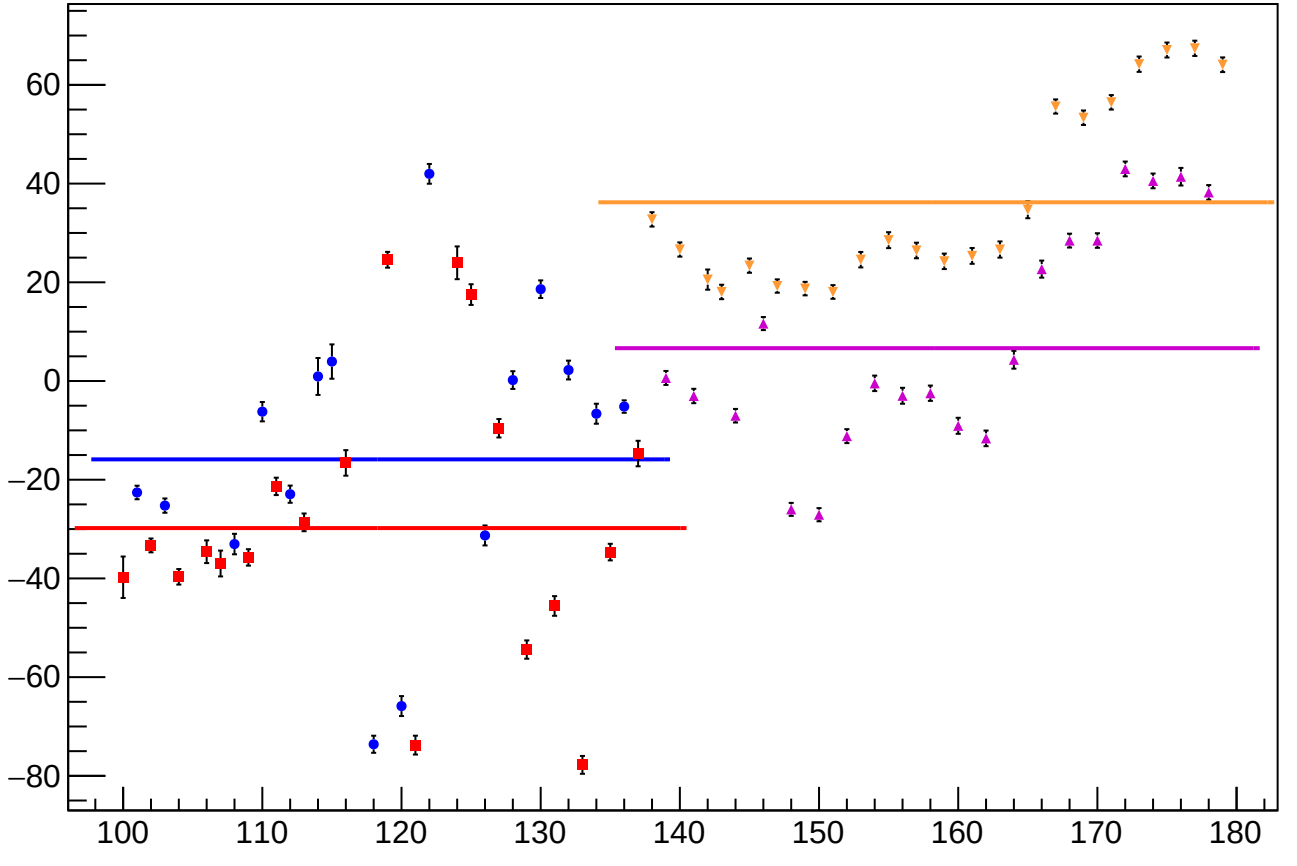
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1593.712+/-0.234 χ^2/NDF:717225.1/35

Out: 1598.133+/-0.228 χ^2/NDF:793759.3/40

All: 1595.981+/-0.163 χ^2/NDF: 1511167.7/76

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 36.210+/-0.324 χ^2/NDF:3089.3/21

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 6.653+/-0.334 χ^2/NDF:4384.0/19

Left: 21.909+/-0.232 χ^2/NDF: 11509.7/41

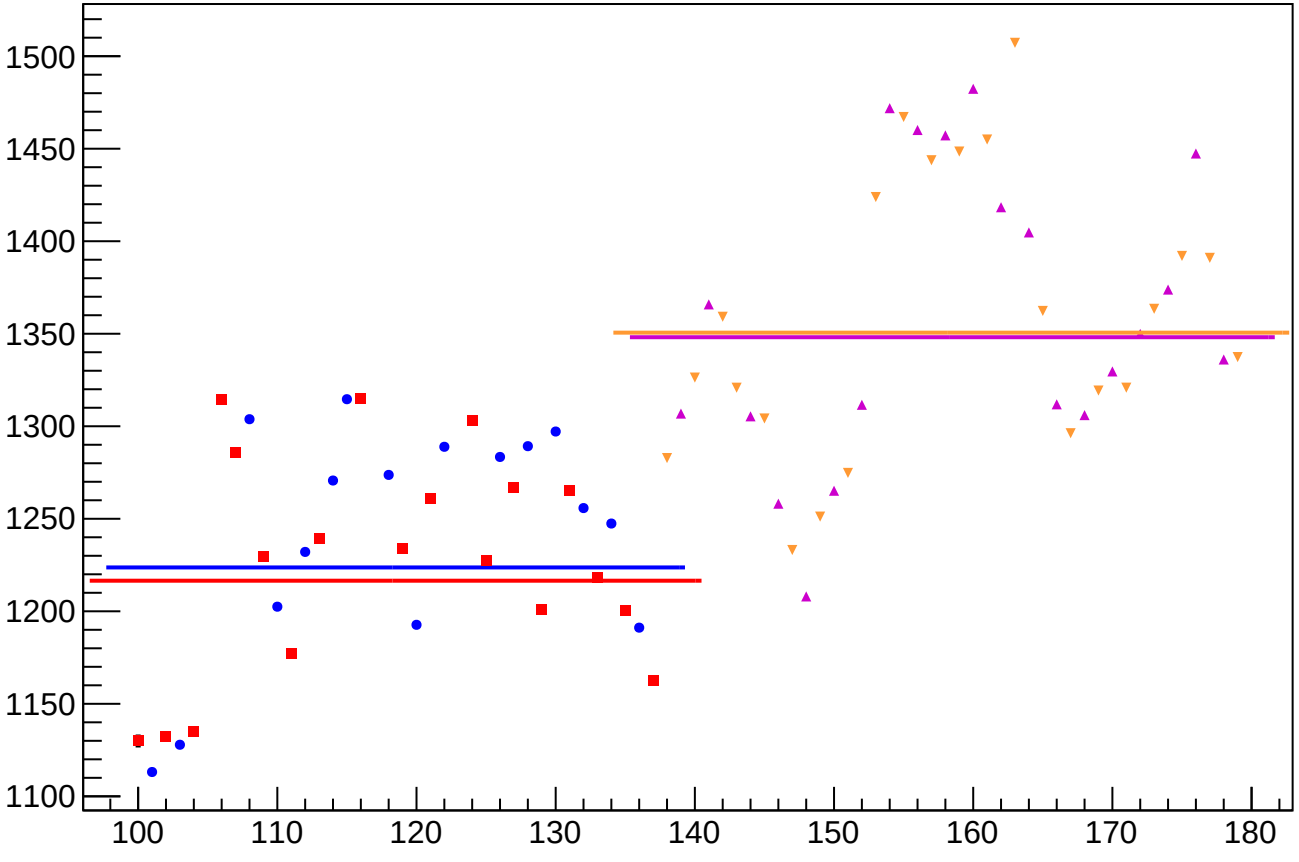
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -1.238+/-0.269 χ^2/NDF:9453.4/35

Out: 13.334+/-0.262 χ^2/NDF:21190.7/40

All: 6.263+/-0.188 χ^2/NDF: 32150.1/76

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1350.595+/-0.229 χ^2/NDF:103440.7/21

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.120+/-0.236 χ^2/NDF:106292.6/19

Left: 1349.398+/-0.164 χ^2/NDF: 209790.0/41

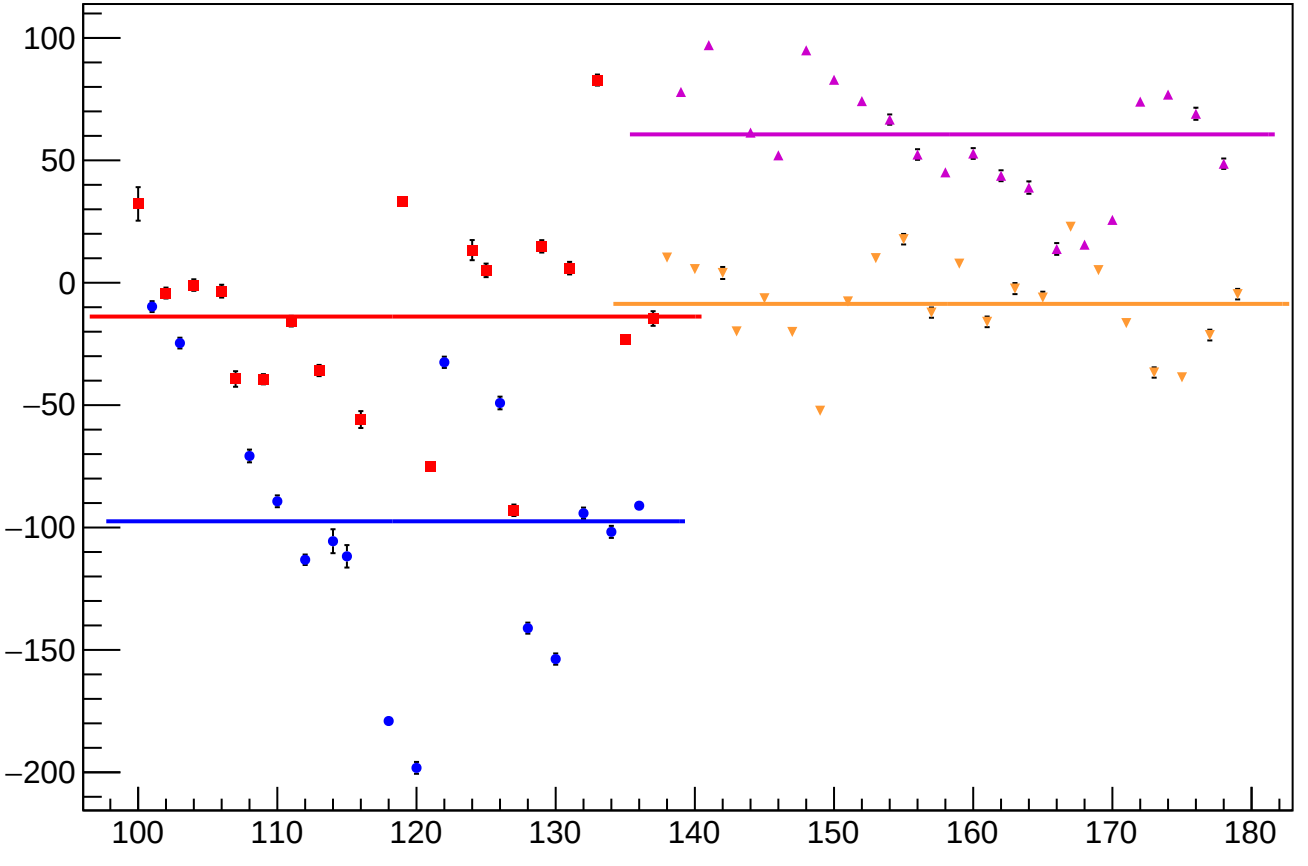
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1304.542+/-0.191 χ^2/NDF:244240.4/35

Out: 1304.136+/-0.185 χ^2/NDF:251777.9/40

All: 1304.333+/-0.133 χ^2/NDF: 496020.6/76

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.634+/-0.427 χ^2/NDF:1934.4/21

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 60.609+/-0.442 χ^2/NDF:2759.7/19

Left: 24.787+/-0.307 χ^2/NDF: 17395.6/41

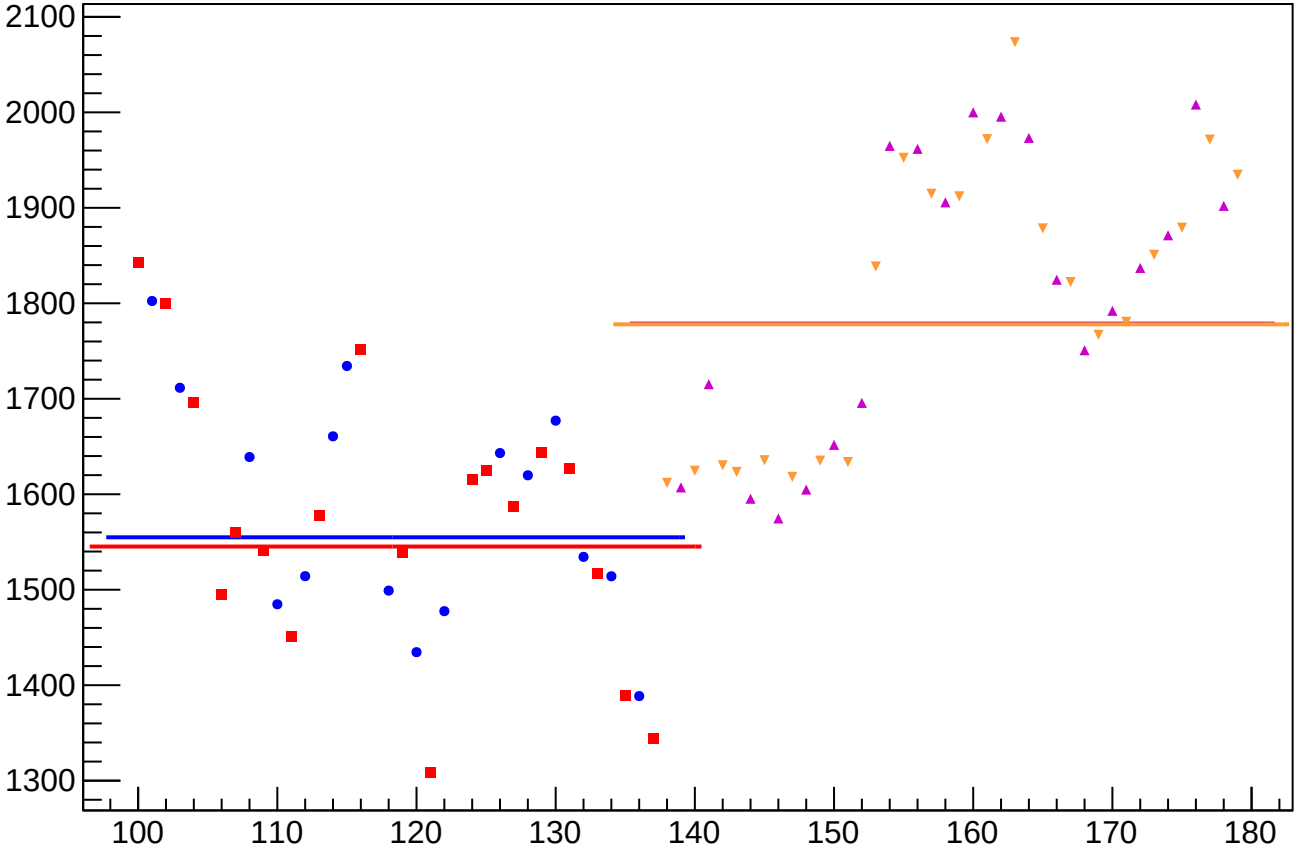
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 2.479+/-0.351 χ^2/NDF:58109.6/35

Out: -10.514+/-0.341 χ^2/NDF:7340.1/40

All: -4.218+/-0.245 χ^2/NDF: 66154.4/76

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1777.979+/-0.302 χ^2/NDF:227756.6/21

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1778.780+/-0.312 χ^2/NDF:230093.9/19

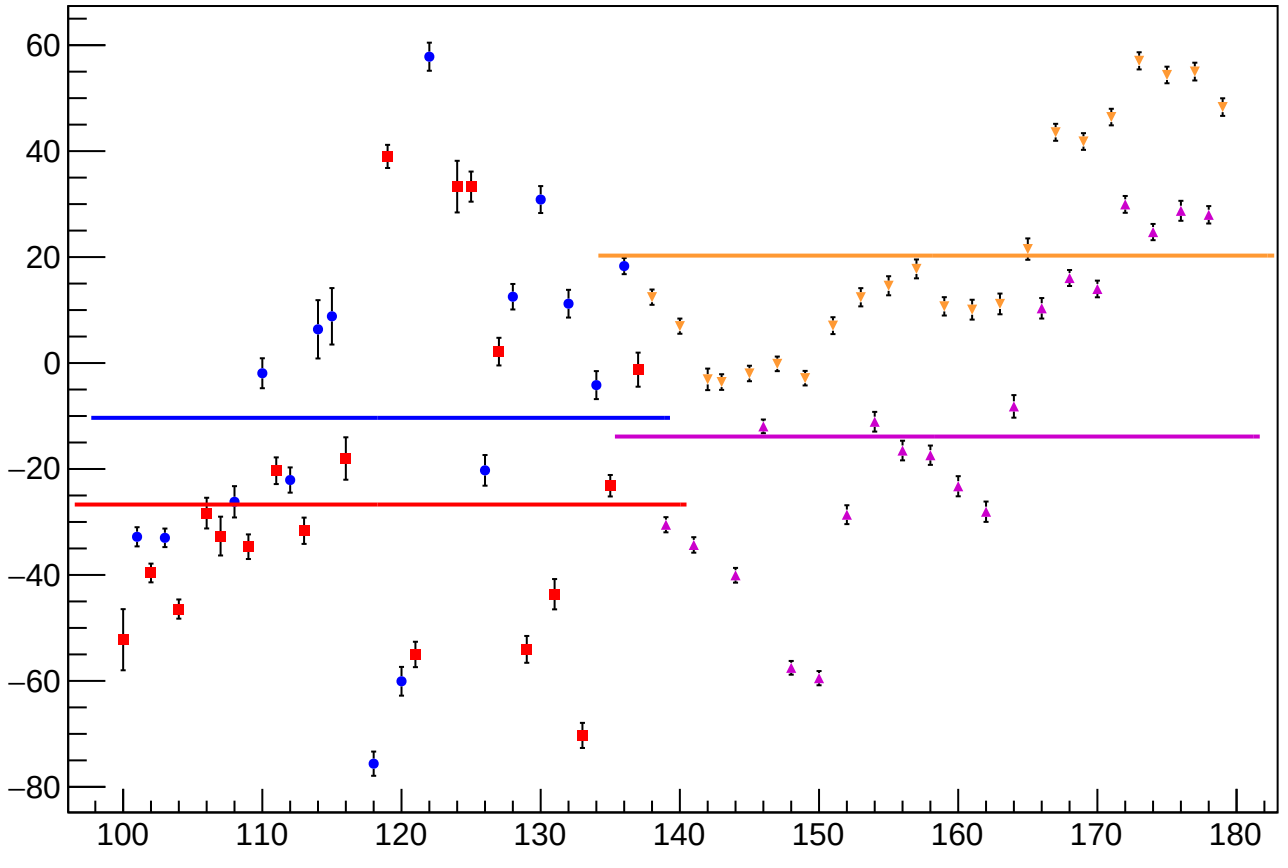
Left: 1778.366+/-0.217 χ^2/NDF: 457853.9/41

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

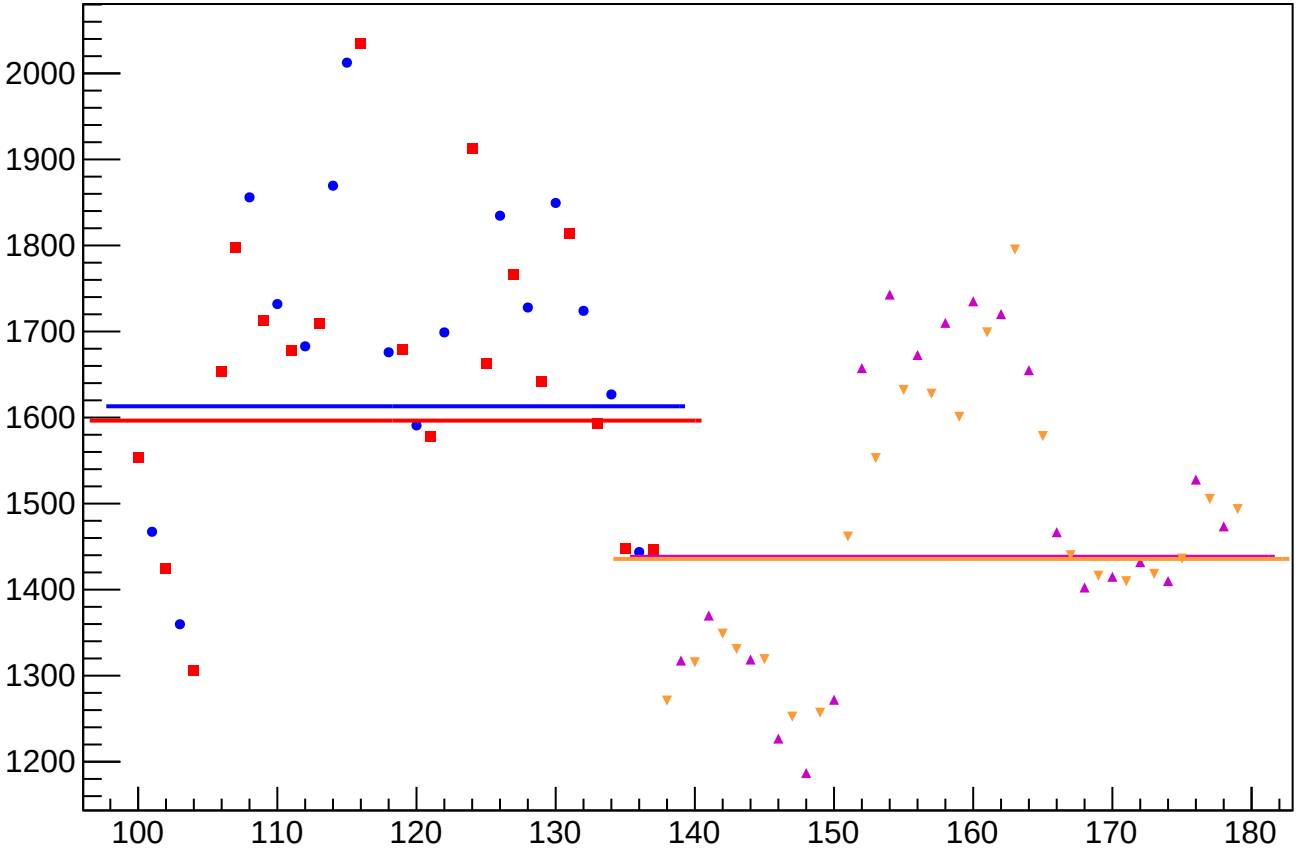
In: 1696.449+/-0.248 χ^2/NDF:506778.1/35

Out: 1693.538+/-0.241 χ^2/NDF:552277.3/40

All: 1694.949+/-0.173 χ^2/NDF: 1059126.1/76


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 20.280+/-0.345 χ²/NDF:3808.6/21
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -13.875+/-0.359 χ²/NDF:6555.8/19
Left: 3.851+/-0.249 χ²/NDF: 15066.0/41
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -12.952+/-0.308 χ²/NDF:9588.1/35
Out: 8.172+/-0.298 χ²/NDF:11116.5/40
All: -2.016+/-0.214 χ²/NDF: 23133.7/76

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1435.689+/-0.244 χ^2/NDF:334812.7/21

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1438.200+/-0.254 χ^2/NDF:473599.4/19

Left: 1436.897+/-0.176 χ^2/NDF: 808463.0/41

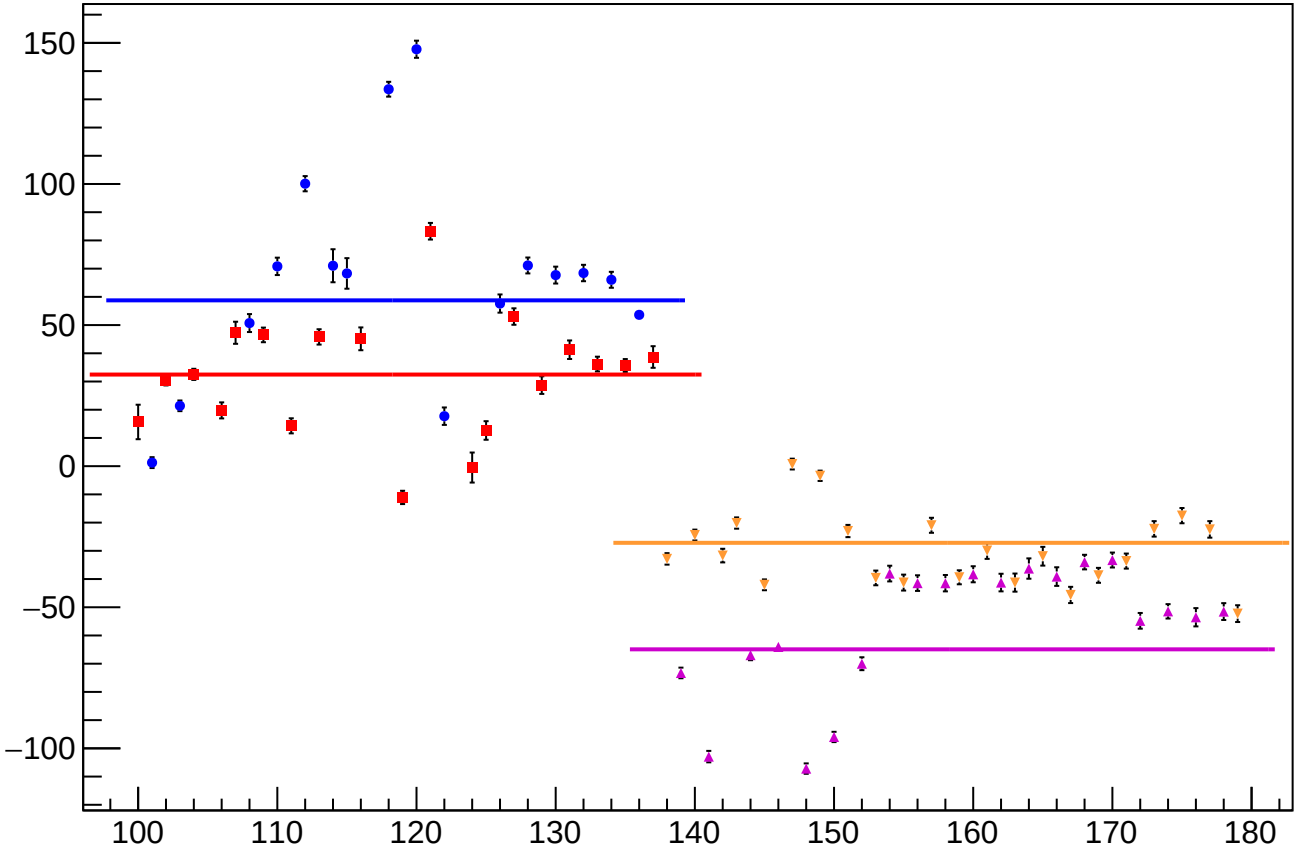
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1483.923+/-0.218 χ^2/NDF:752515.1/35

Out: 1477.111+/-0.210 χ^2/NDF:607115.3/40

All: 1480.396+/-0.151 χ^2/NDF: 1360135.7/76

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.163+/-0.515 χ^2/NDF:725.7/21

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -64.911+/-0.535 χ^2/NDF:2053.1/19

Left: -45.317+/-0.371 χ^2/NDF: 5363.3/41

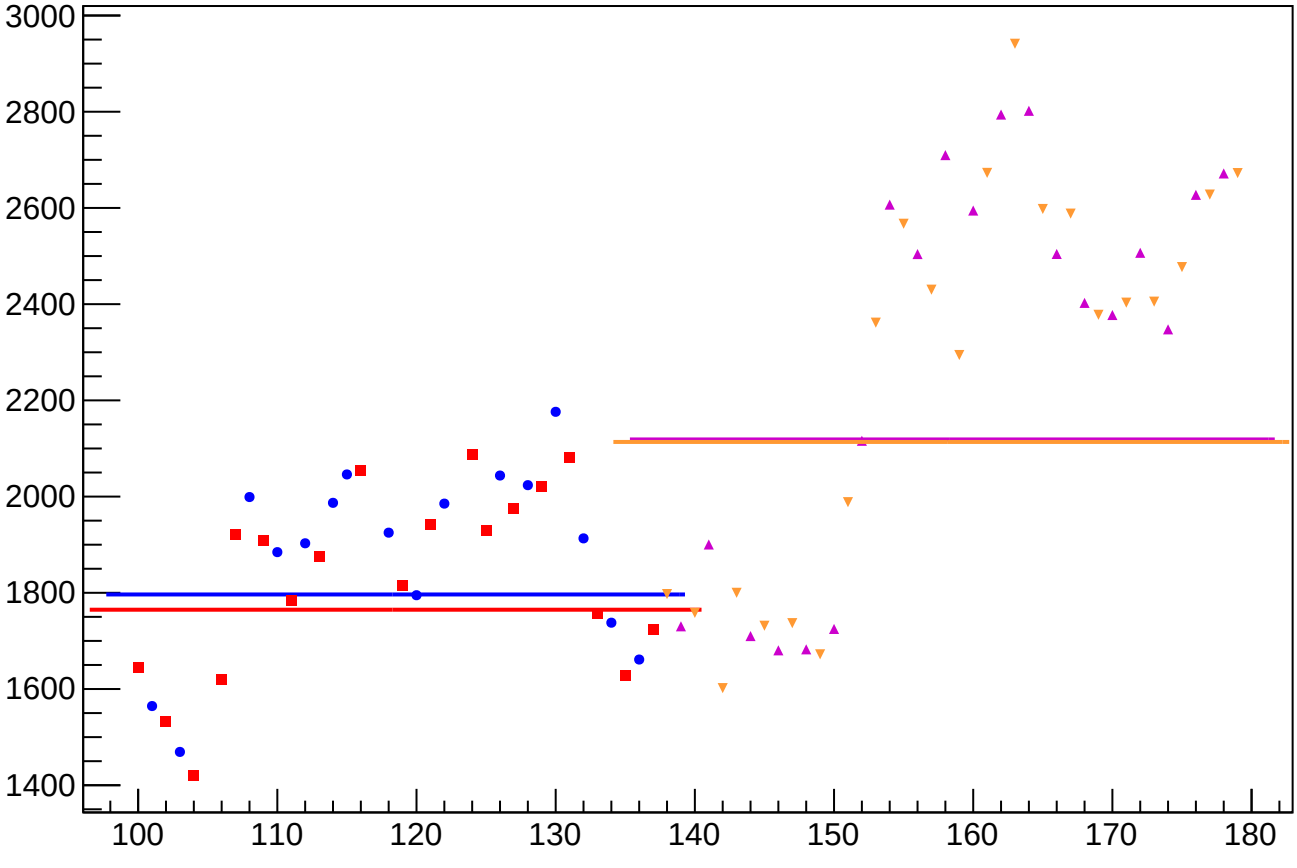
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -16.977+/-0.419 χ^2/NDF:26210.4/35

Out: -4.102+/-0.403 χ^2/NDF:6842.5/40

All: -10.298+/-0.290 χ^2/NDF: 33543.5/76

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2113.594+/-0.364 χ^2/NDF:1180356.1/21

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2118.772+/-0.378 χ^2/NDF:1187520.9/19

Left: 2116.084+/-0.262 χ^2/NDF: 2367974.2/41

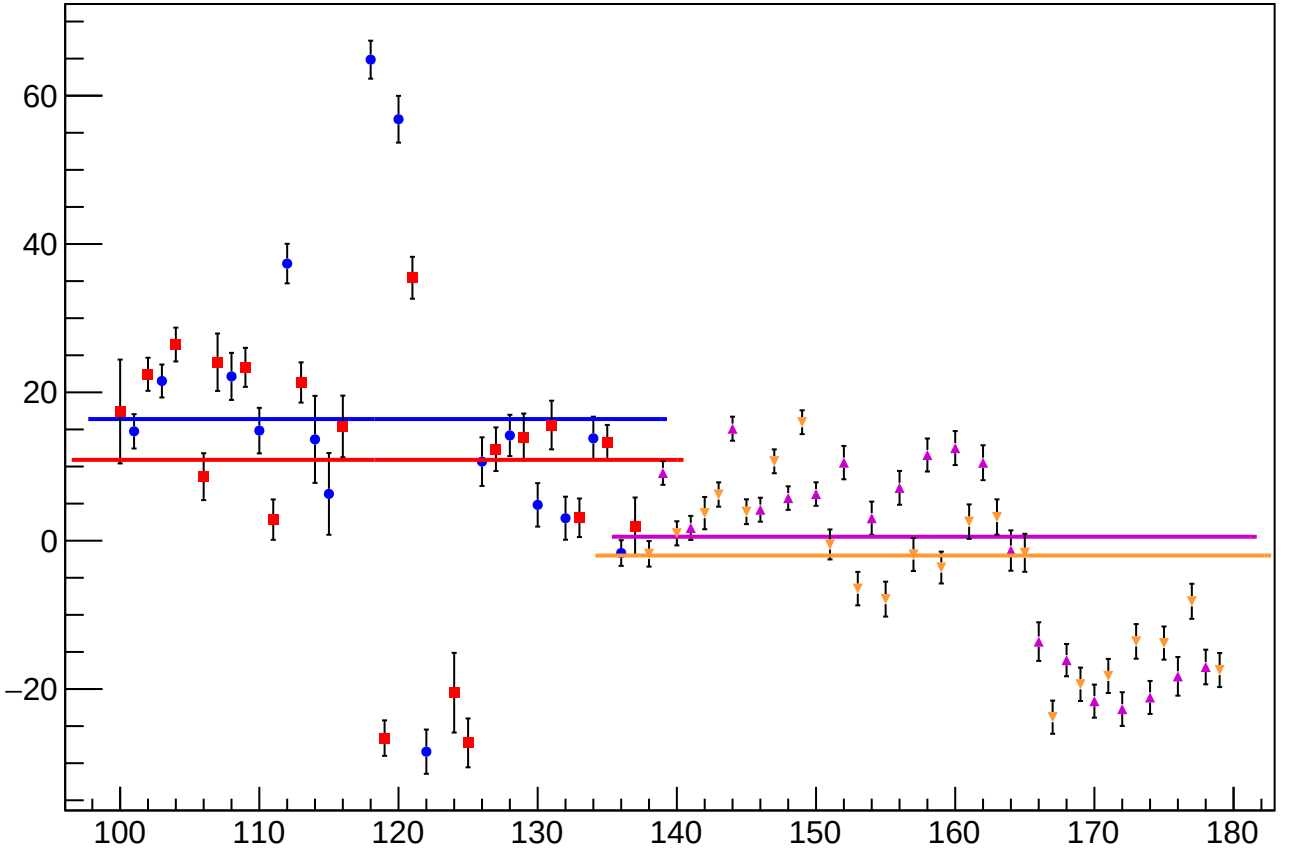
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1993.883+/-0.296 χ^2/NDF:1661912.7/35

Out: 1978.727+/-0.285 χ^2/NDF:1725099.2/40

All: 1986.021+/-0.205 χ^2/NDF: 3388371.5/76

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -2.000+/-0.433 χ^2/NDF:564.5/21

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 0.534+/-0.451 χ^2/NDF:733.6/19

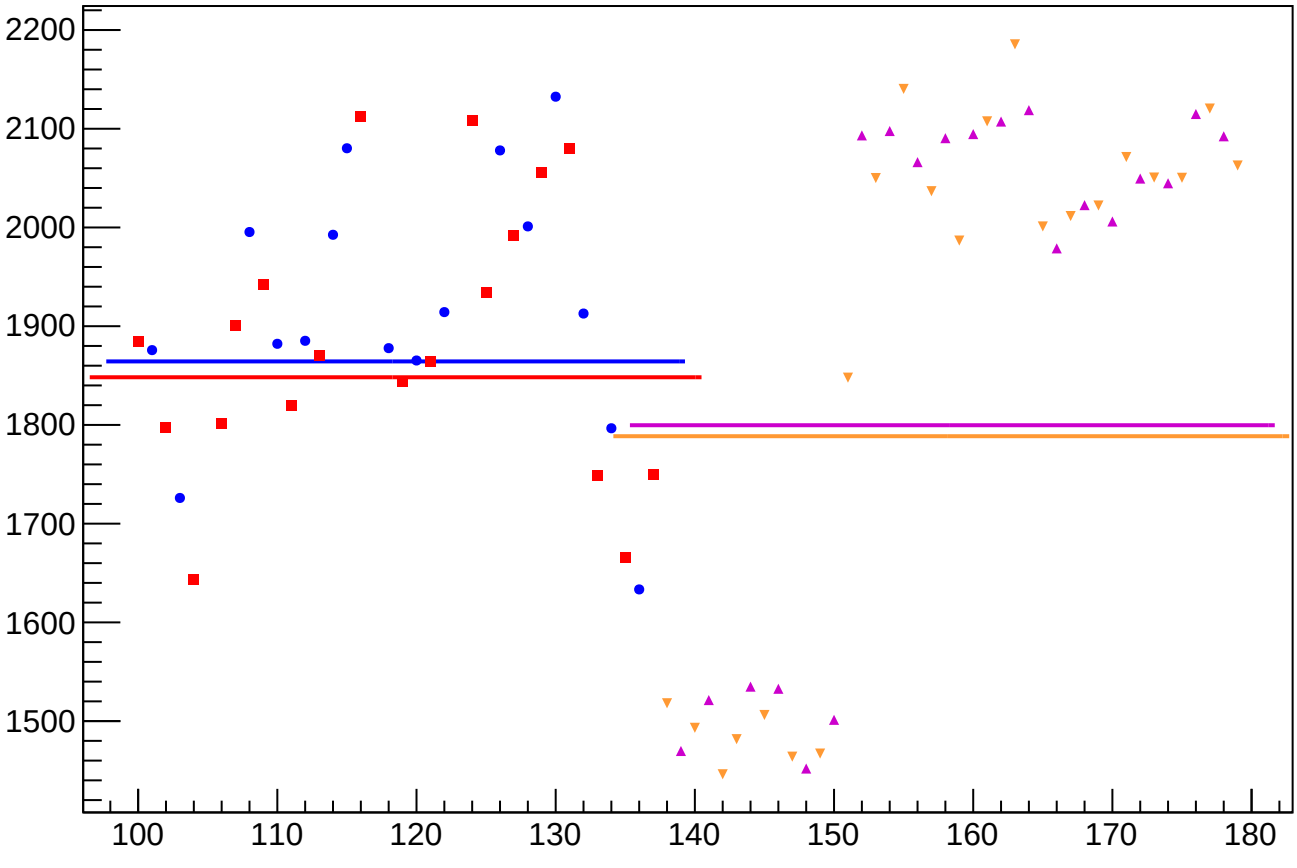
Left: -0.784+/-0.313 χ^2/NDF: 1314.5/41

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 5.236+/-0.378 χ^2/NDF:2073.3/35

Out: 1.756+/-0.365 χ^2/NDF:1464.1/40

All: 3.433+/-0.263 χ^2/NDF: 3581.2/76



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1788.574+/-0.306 χ^2/NDF:867800.0/21

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1799.697+/-0.319 χ^2/NDF:801897.5/19

Left: 1793.914+/-0.221 χ^2/NDF: 1670329.9/41

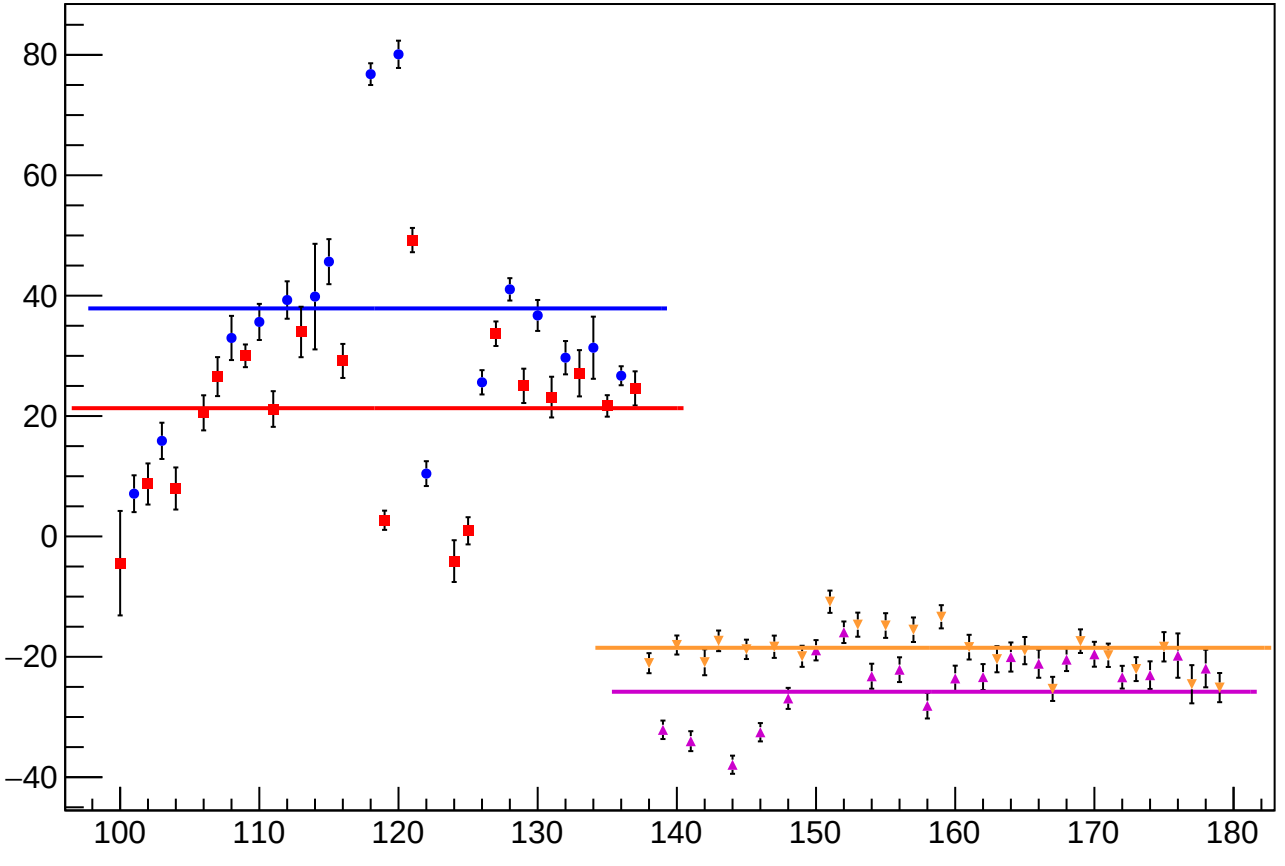
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1818.854+/-0.268 χ^2/NDF:897382.7/35

Out: 1805.959+/-0.258 χ^2/NDF:953809.2/40

All: 1812.174+/-0.186 χ^2/NDF: 1852395.4/76

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.501+/-0.418 χ^2/NDF:65.6/21

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -25.805+/-0.435 χ^2/NDF:215.5/19

Left: -22.011+/-0.301 χ^2/NDF: 427.7/41

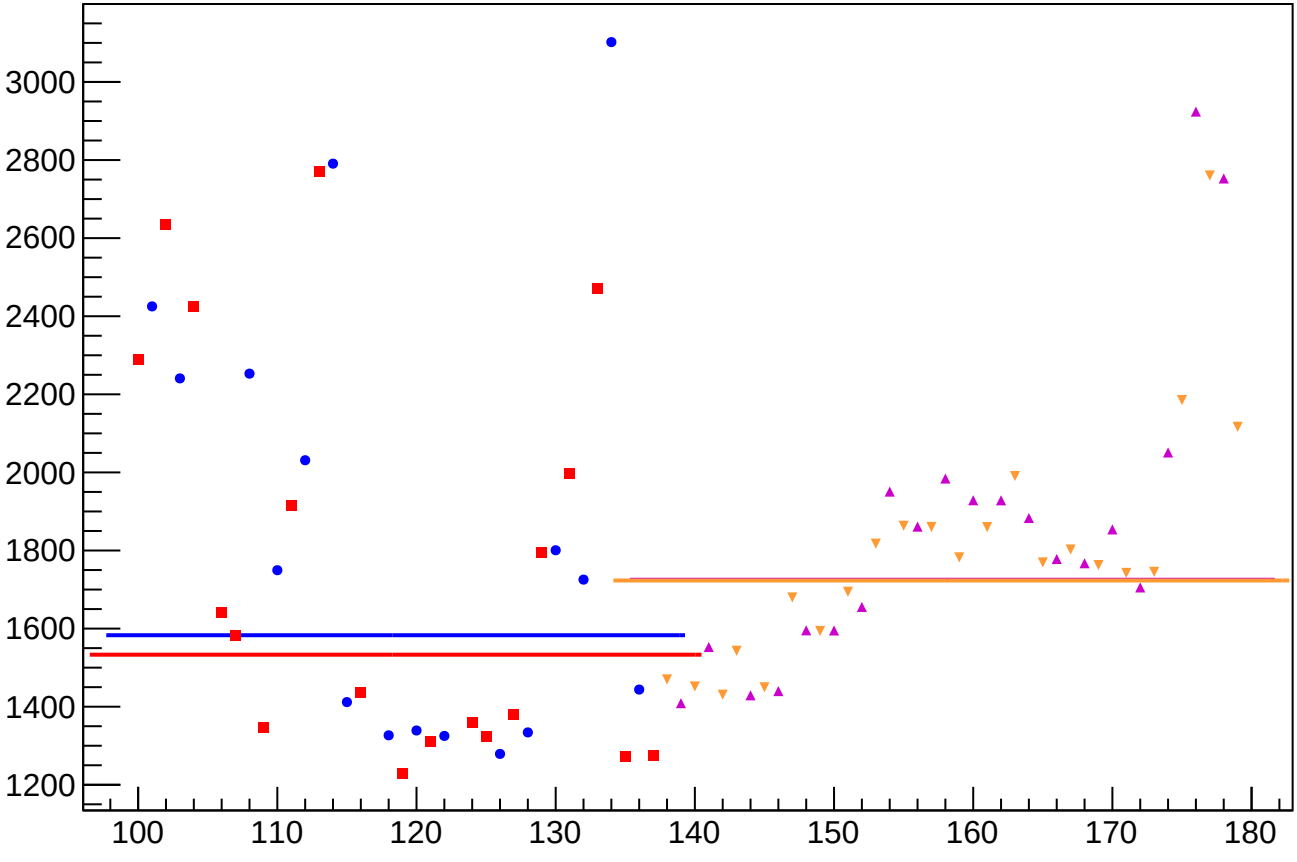
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.917+/-0.356 χ^2/NDF:8502.1/35

Out: -5.278+/-0.342 χ^2/NDF:3658.3/40

All: -5.106+/-0.247 χ^2/NDF: 12160.9/76

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1723.205+/-0.296 χ^2/NDF:641746.8/21

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1725.099+/-0.307 χ^2/NDF:865872.5/19

Left: 1724.115+/-0.213 χ^2/NDF: 1507639.0/41

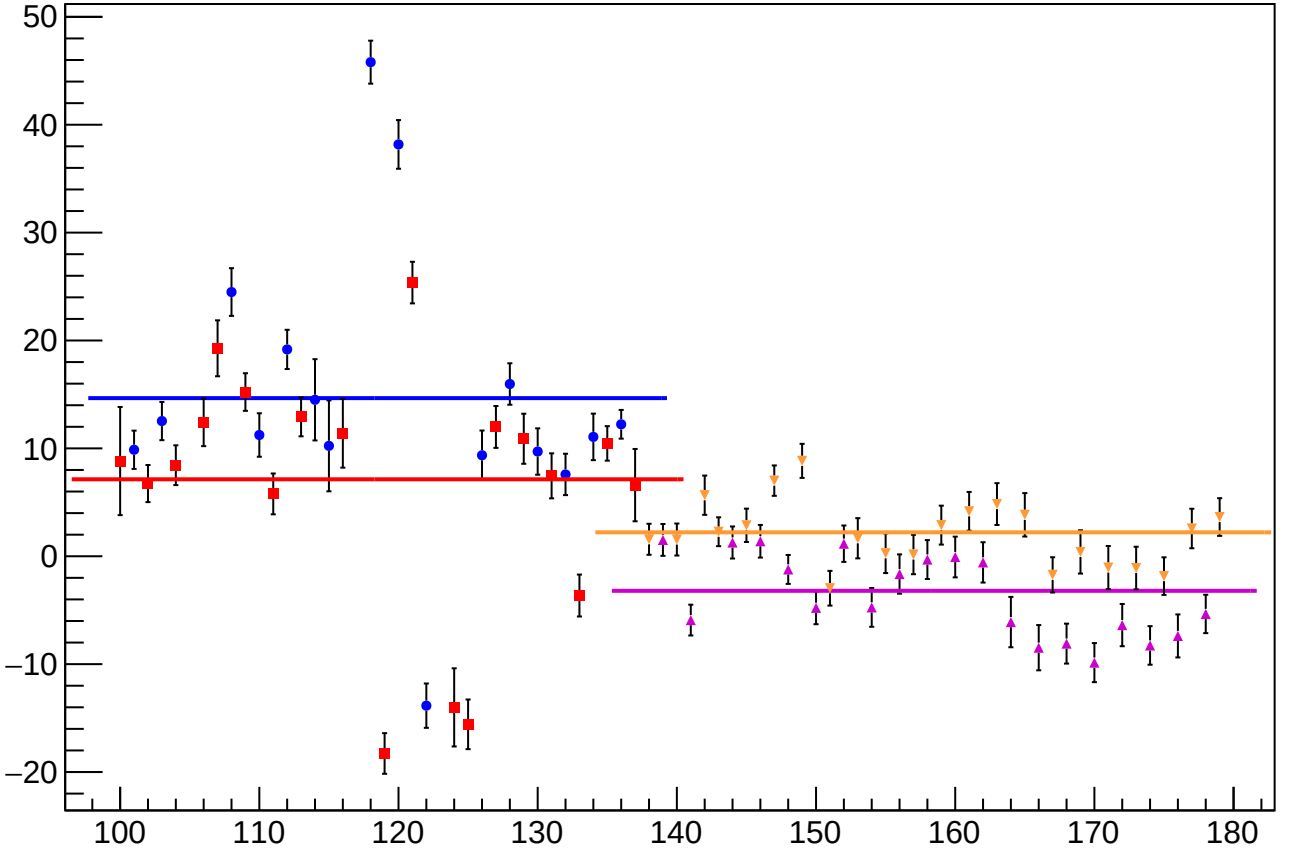
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1678.509+/-0.252 χ^2/NDF:1723561.2/35

Out: 1660.087+/-0.242 χ^2/NDF:1729694.1/40

All: 1668.911+/-0.174 χ^2/NDF: 3456039.2/76

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.218+/-0.363 χ^2/NDF:68.2/21

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -3.203+/-0.383 χ^2/NDF:95.8/19

Left: -0.343+/-0.263 χ^2/NDF: 269.7/41

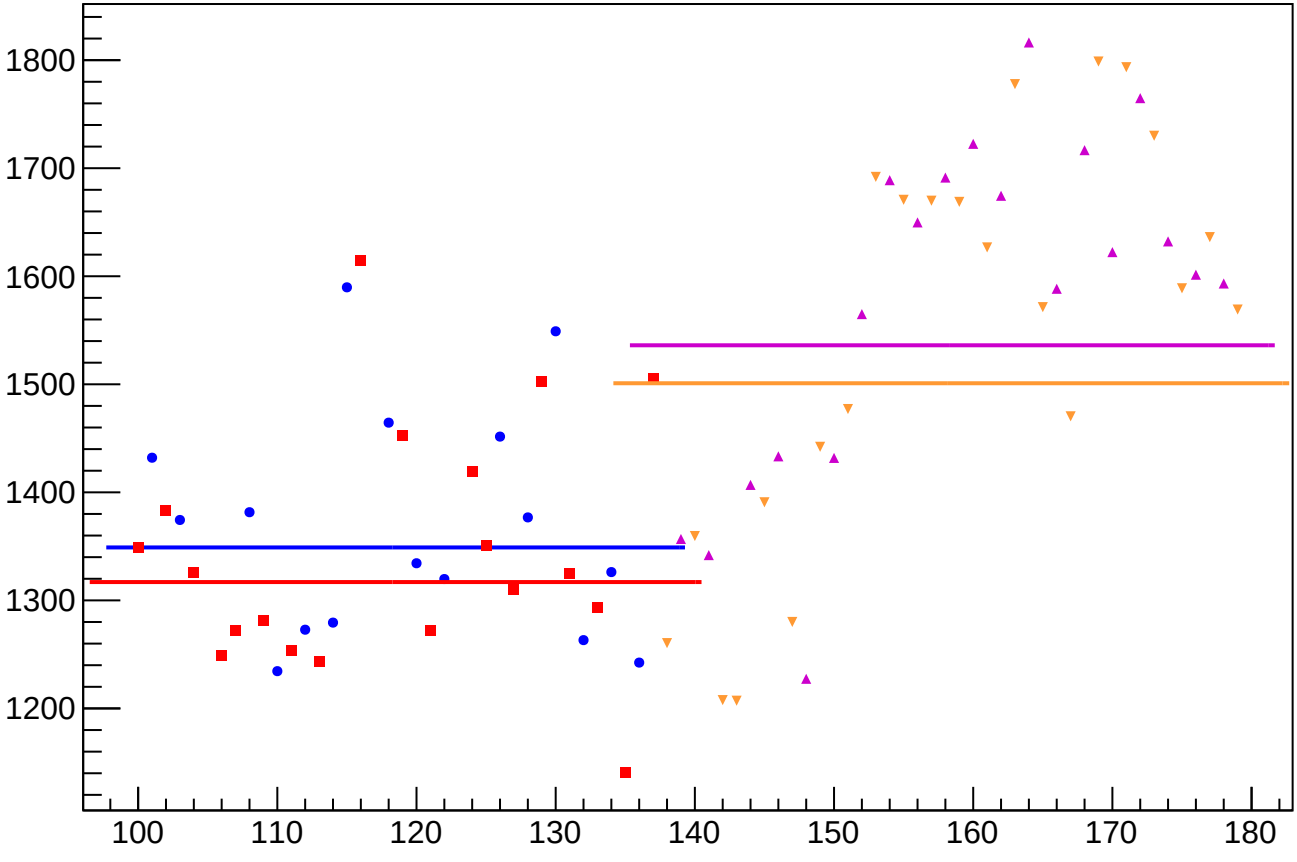
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 3.328+/-0.305 χ^2/NDF:1505.6/35

Out: 3.989+/-0.290 χ^2/NDF:643.9/40

All: 3.675+/-0.210 χ^2/NDF: 2152.0/76

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1500.966+/-0.256 χ^2/NDF:544256.0/21

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1536.102+/-0.271 χ^2/NDF:365401.9/19

Left: 1517.570+/-0.186 χ^2/NDF: 918535.7/41

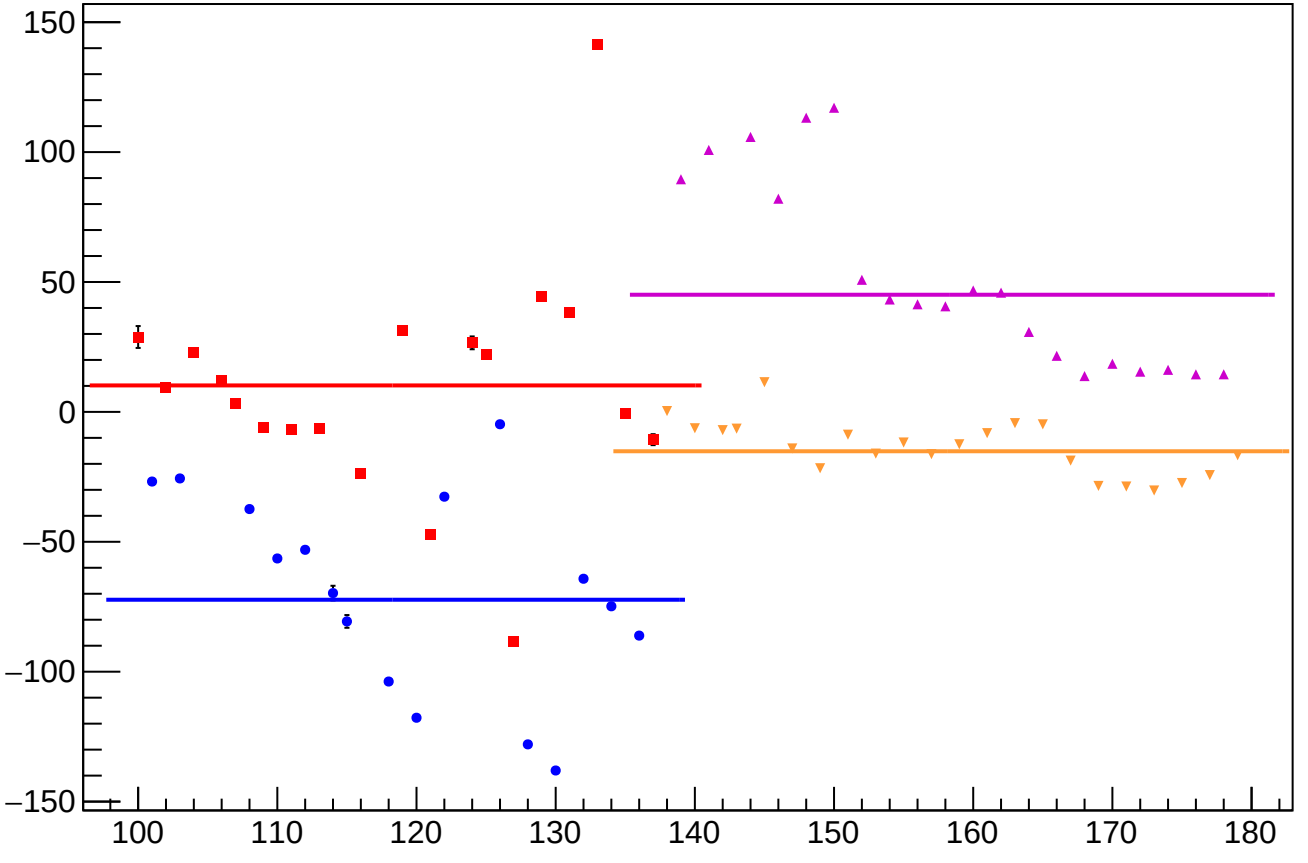
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1467.691+/-0.216 χ^2/NDF:608292.6/35

Out: 1434.689+/-0.205 χ^2/NDF:816706.3/40

All: 1450.355+/-0.149 χ^2/NDF: 1437295.7/76

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.152+/-0.194 χ^2/NDF:2784.6/21

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 45.093+/-0.202 χ^2/NDF:26598.5/19

Left: 13.670+/-0.140 χ^2/NDF: 75592.1/41

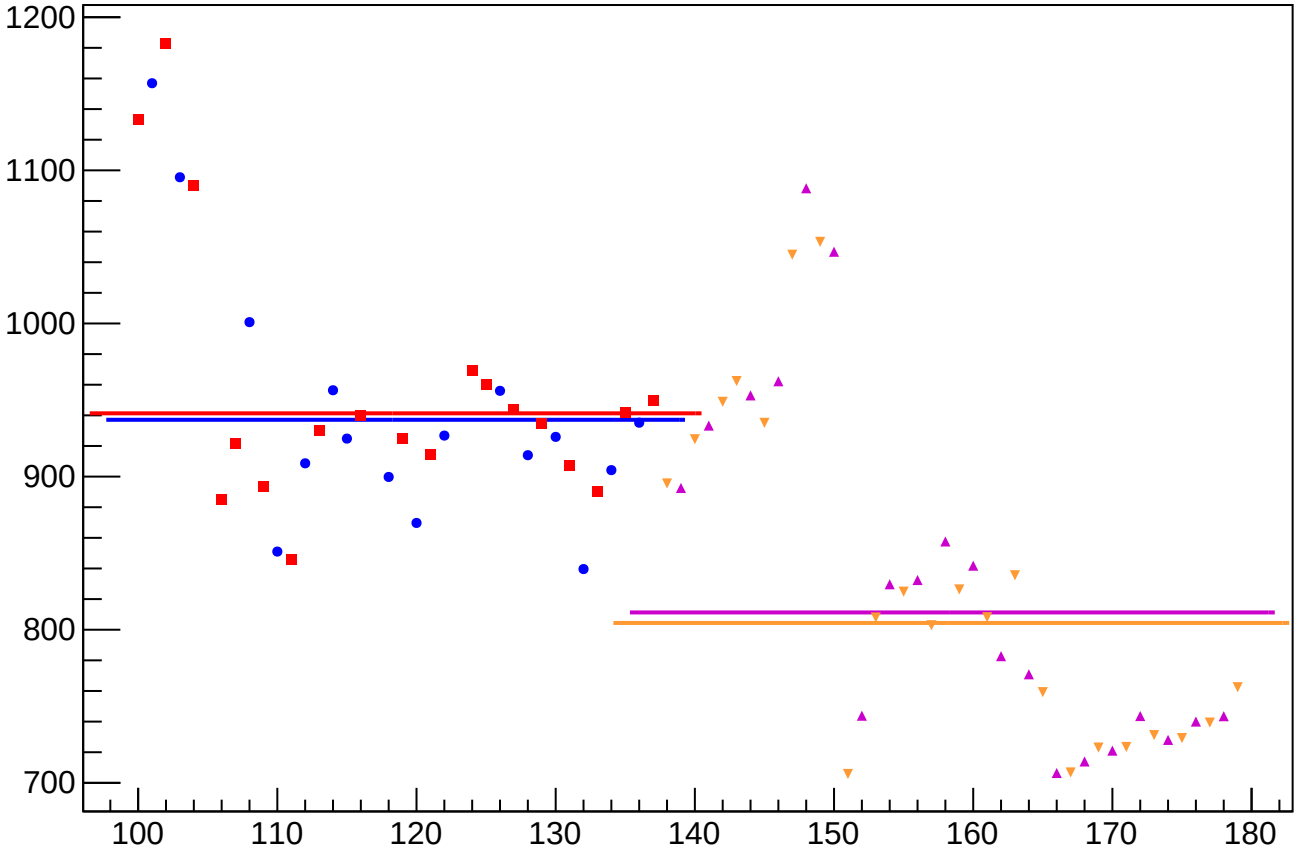
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.603+/-0.175 χ^2/NDF:123260.0/35

Out: -9.059+/-0.169 χ^2/NDF:25939.3/40

All: 2.827+/-0.122 χ^2/NDF: 159469.9/76

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 804.426+/-0.137 χ^2/NDF:486034.4/21

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 811.289+/-0.143 χ^2/NDF:500967.5/19

Left: 807.709+/-0.099 χ^2/NDF: 988201.4/41

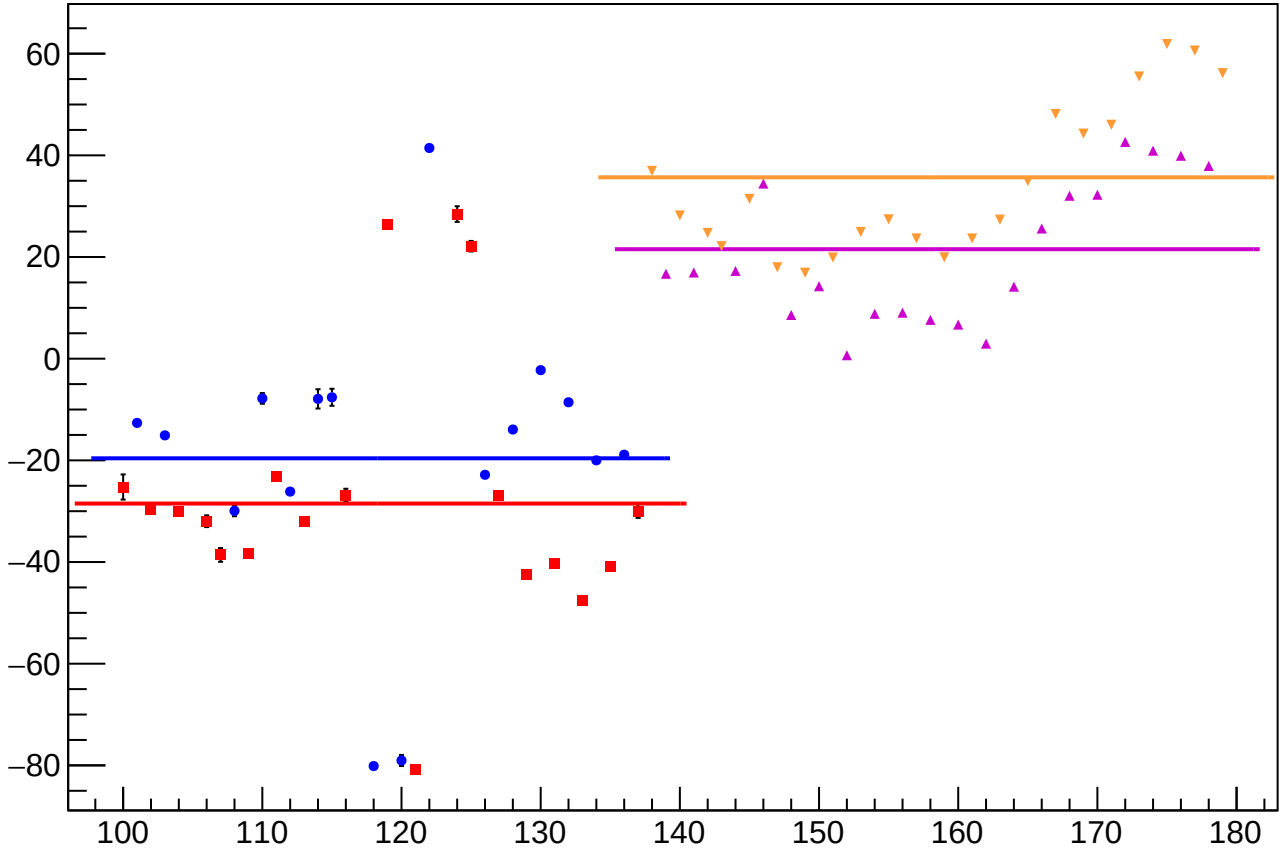
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 842.892+/-0.124 χ^2/NDF:799730.4/35

Out: 837.341+/-0.119 χ^2/NDF:826899.0/40

All: 840.017+/-0.086 χ^2/NDF: 1627670.0/76

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 35.670+/-0.153 χ^2/NDF:9295.0/21

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 21.537+/-0.161 χ^2/NDF:7395.5/19

Left: 28.924+/-0.111 χ^2/NDF: 20742.1/41

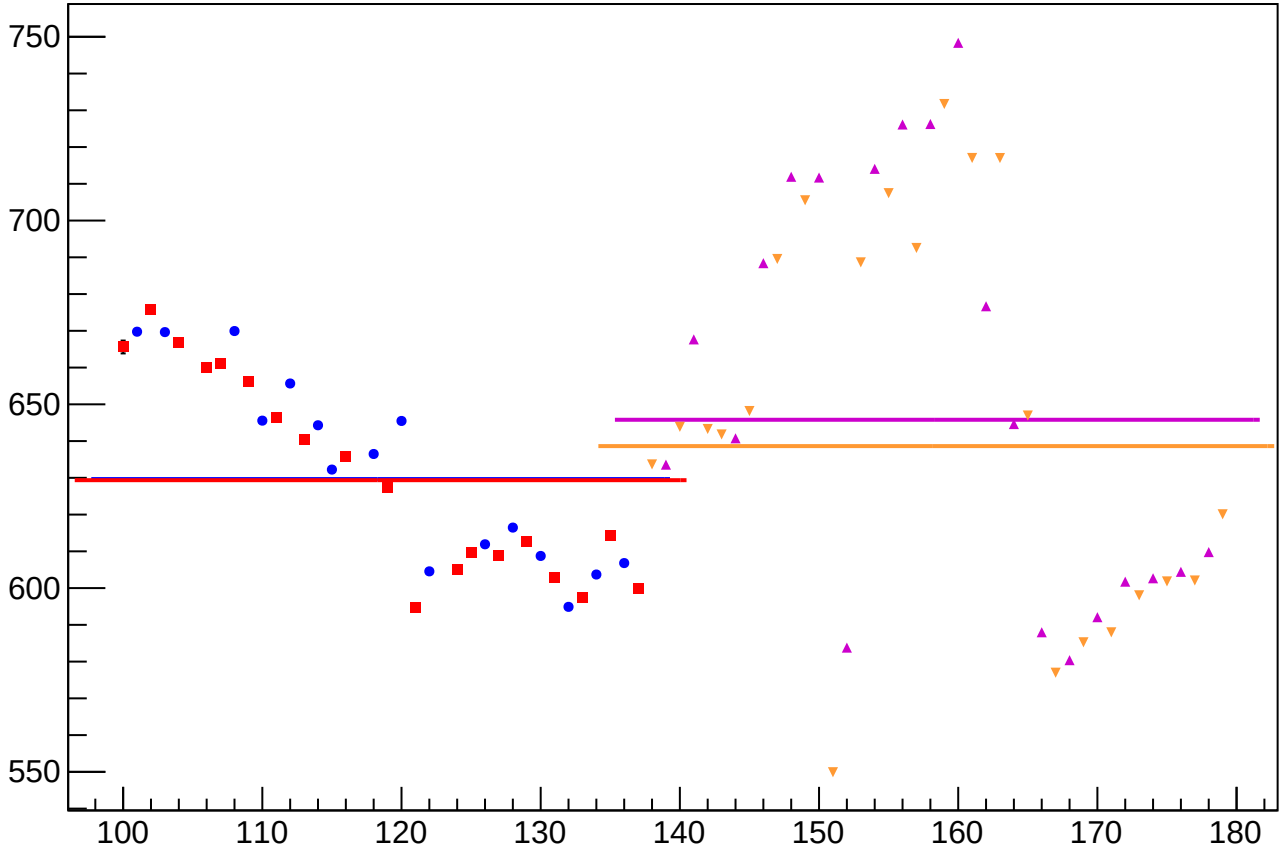
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 8.379+/-0.132 χ^2/NDF:41571.5/35

Out: 15.876+/-0.128 χ^2/NDF:76239.9/40

All: 12.266+/-0.092 χ^2/NDF: 119474.6/76

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 638.632+/-0.108 χ^2/NDF:235203.1/21

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 645.799+/-0.114 χ^2/NDF:226255.8/19

Left: 642.053+/-0.078 χ^2/NDF: 463542.7/41

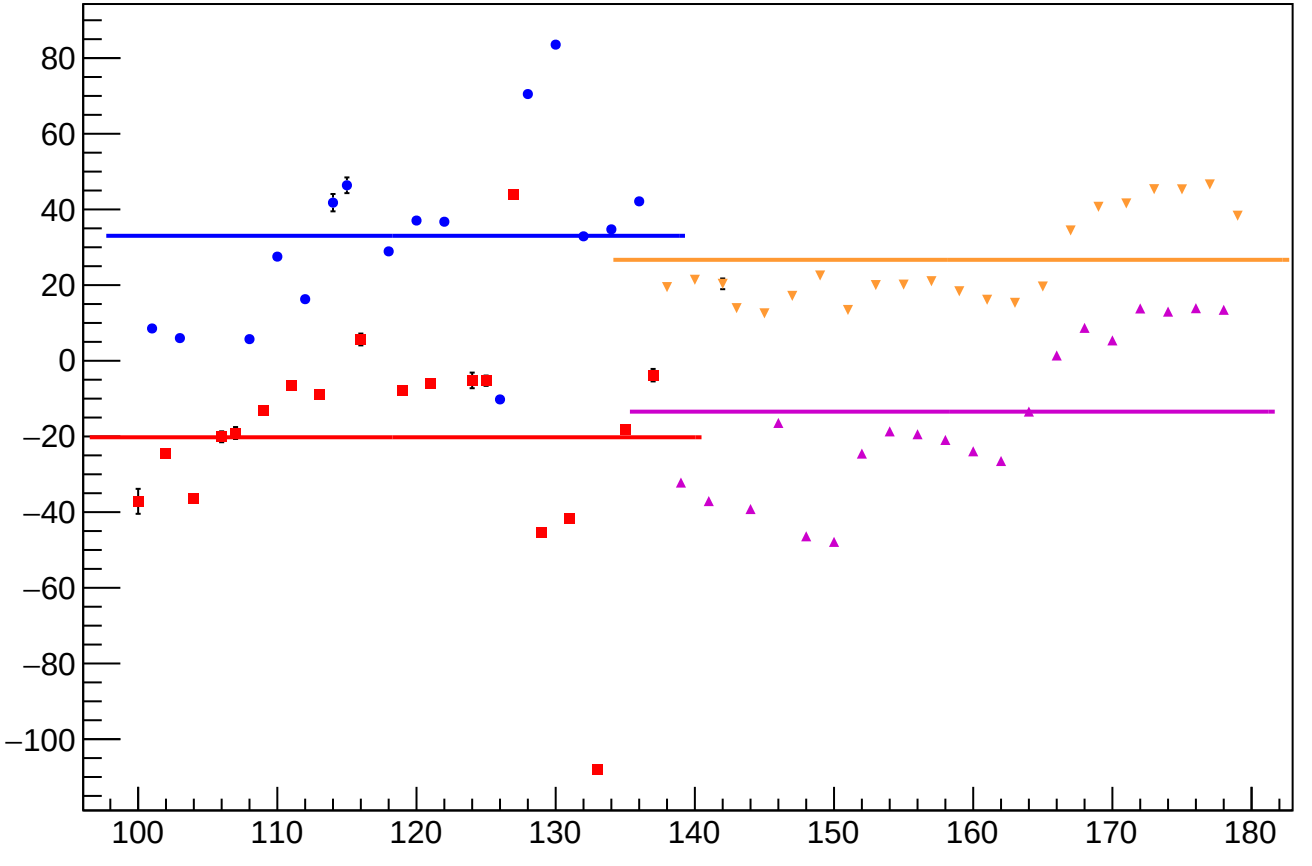
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 640.636+/-0.094 χ^2/NDF:258038.4/35

Out: 635.772+/-0.090 χ^2/NDF:264247.8/40

All: 638.114+/-0.065 χ^2/NDF: 523686.4/76

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.684+/-0.219 χ^2/NDF:3013.3/21

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -13.445+/-0.227 χ^2/NDF:8020.0/19

Left: 7.397+/-0.157 χ^2/NDF: 27240.8/41

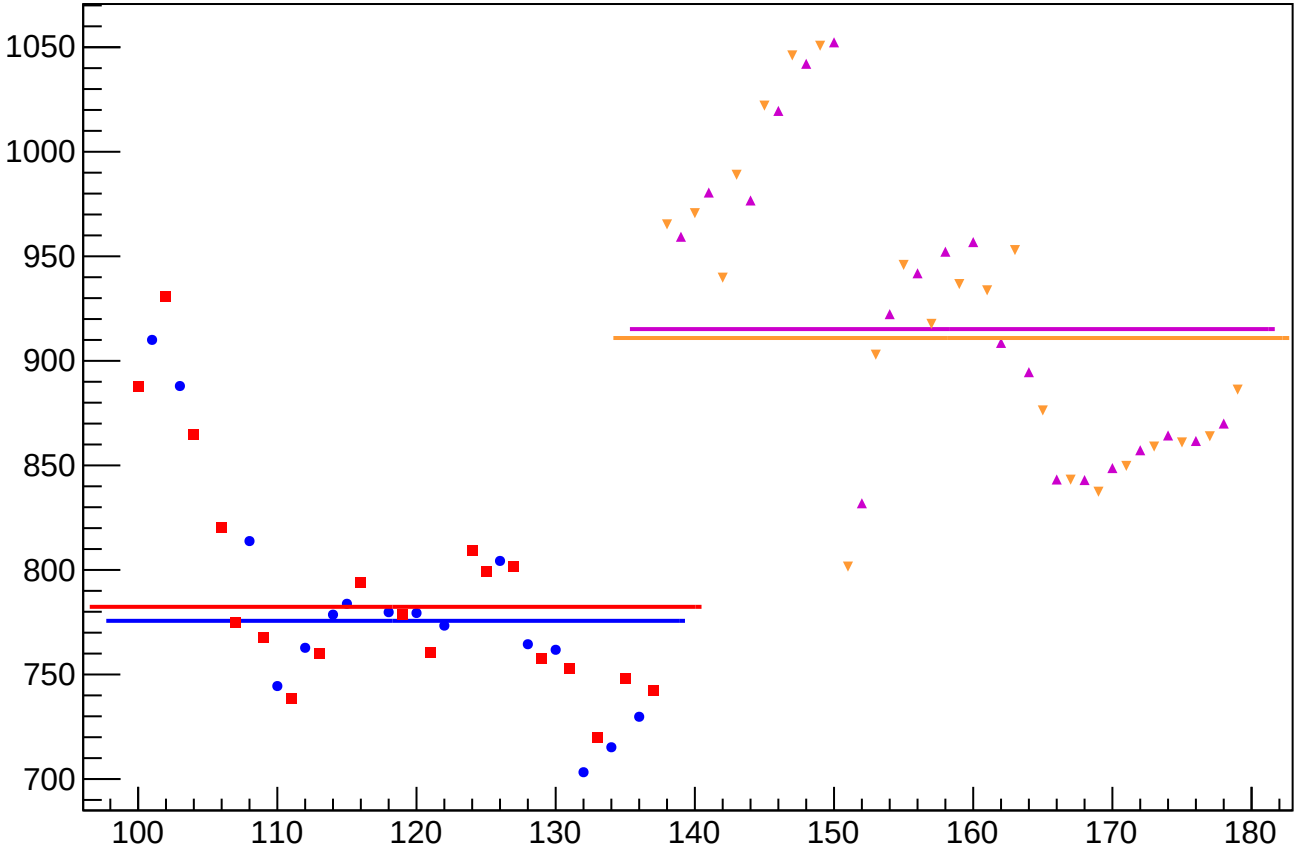
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 4.312+/-0.179 χ^2/NDF:30713.1/35

Out: 9.393+/-0.174 χ^2/NDF:31864.7/40

All: 6.924+/-0.124 χ^2/NDF: 62993.9/76

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 910.930+/-0.155 χ^2/NDF:188713.1/21

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 915.196+/-0.161 χ^2/NDF:171643.6/19

Left: 912.980+/-0.111 χ^2/NDF: 360723.2/41

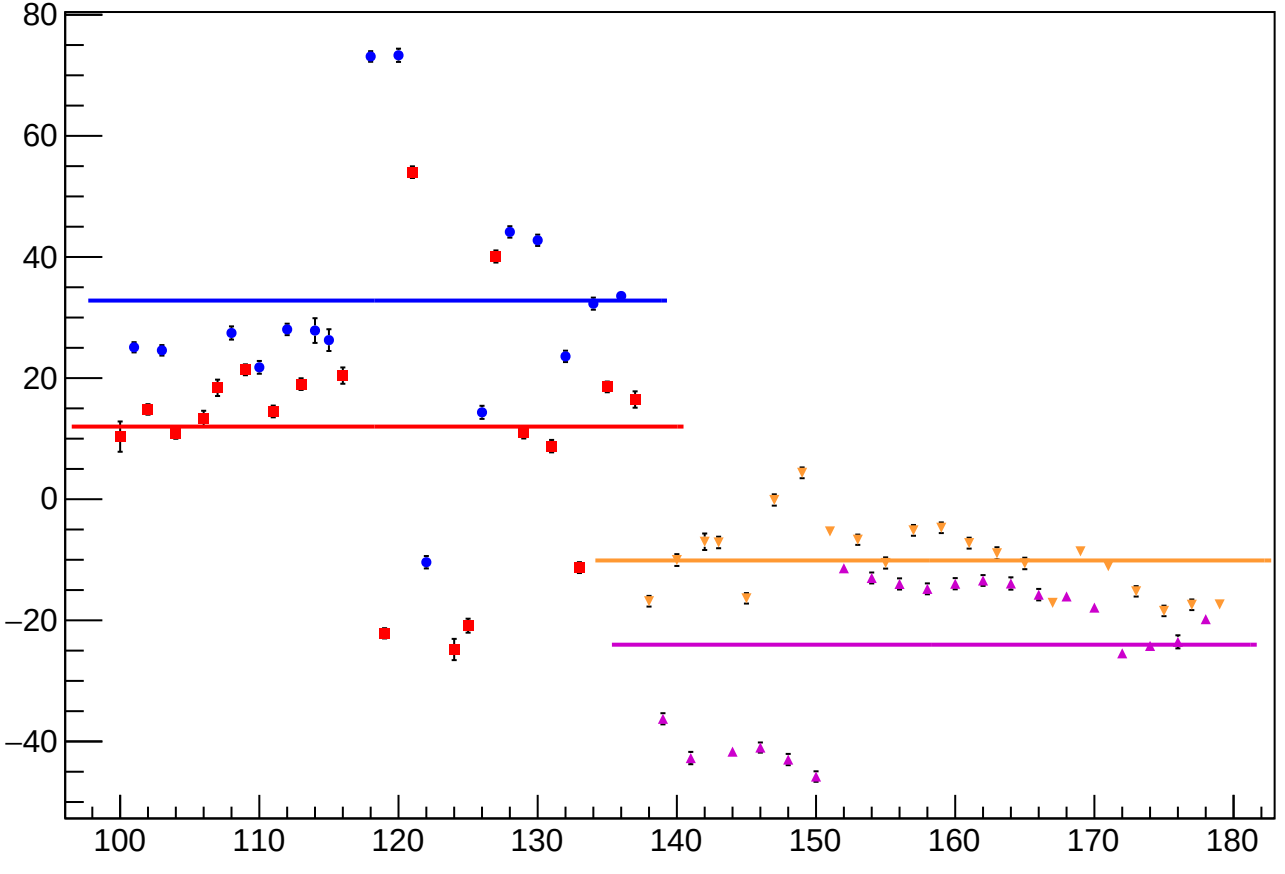
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.889+/-0.126 χ^2/NDF:534588.5/35

Out: 863.527+/-0.123 χ^2/NDF:508526.2/40

All: 862.731+/-0.088 χ^2/NDF: 1043201.2/76

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.114+/-0.187 χ^2/NDF:1011.9/21

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.022+/-0.194 χ^2/NDF:3771.4/19

Left: -16.783+/-0.135 χ^2/NDF: 7446.1/41

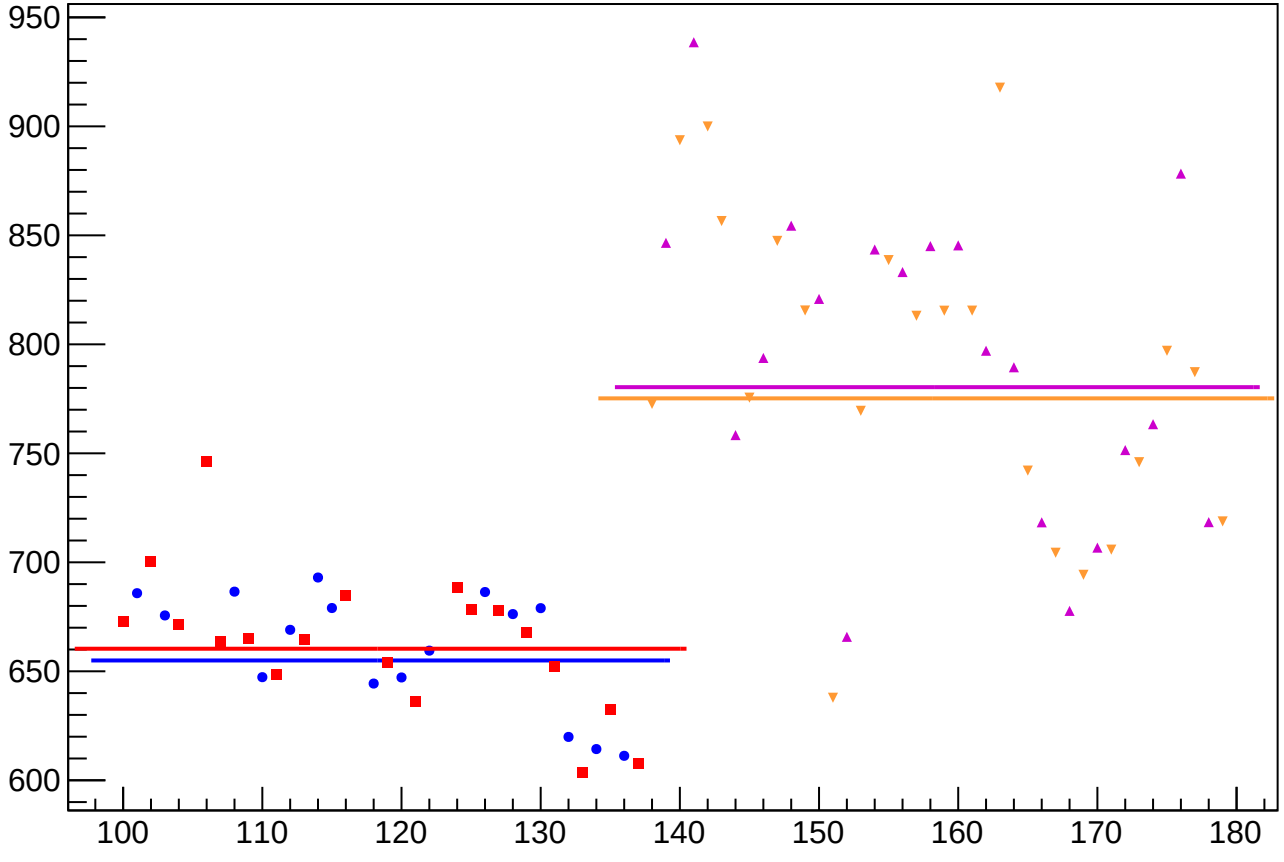
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -1.896+/-0.152 χ^2/NDF:43282.3/35

Out: -1.831+/-0.148 χ^2/NDF:12828.4/40

All: -1.863+/-0.106 χ^2/NDF: 56110.8/76

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 775.211+/-0.132 χ^2/NDF:287428.5/21

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 780.352+/-0.138 χ^2/NDF:262587.5/19

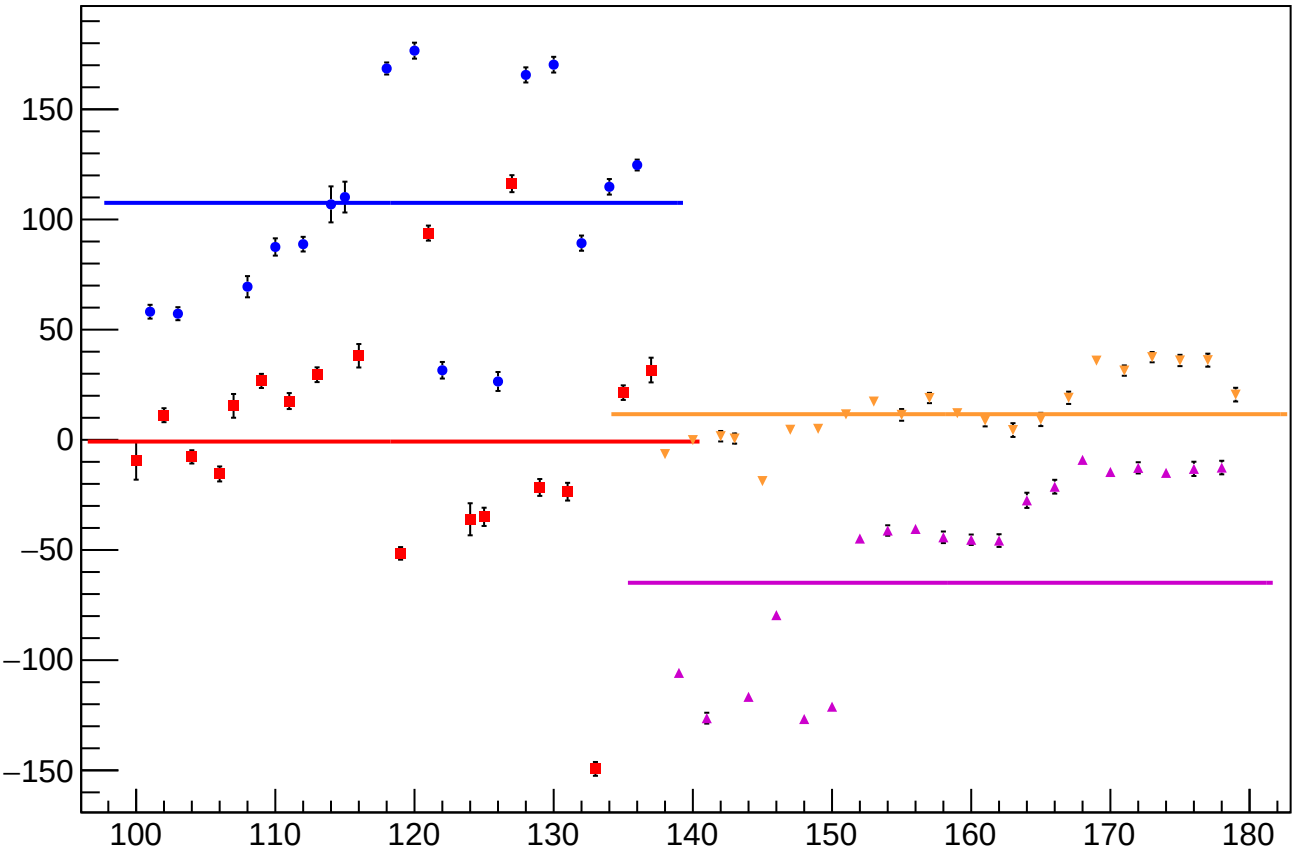
Left: 777.676+/-0.095 χ^2/NDF: 550743.5/41

Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 731.532+/-0.107 χ^2/NDF:613088.3/35

Out: 732.180+/-0.104 χ^2/NDF:601618.8/40

All: 731.865+/-0.075 χ^2/NDF: 1214725.7/76



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.634+/-0.491 χ^2/NDF:910.7/21

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -64.879+/-0.503 χ^2/NDF:7644.7/19

Left: -25.719+/-0.351 χ^2/NDF: 20416.6/41

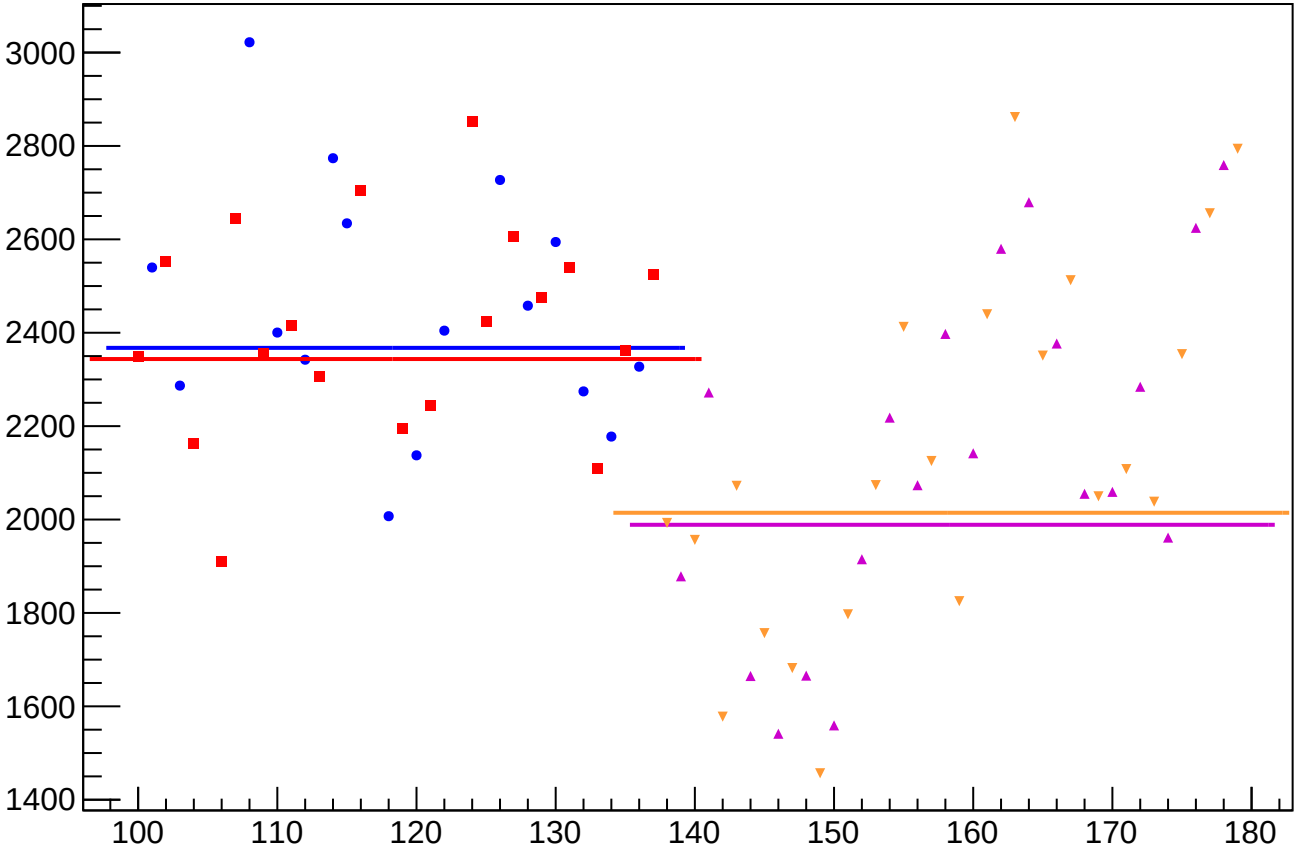
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -22.853+/-0.437 χ^2/NDF:39286.6/35

Out: 8.586+/-0.426 χ^2/NDF:5831.8/40

All: -6.745+/-0.305 χ^2/NDF: 47769.2/76

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 2014.502+/-0.347 χ^2/NDF:1049310.8/21

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1988.751+/-0.355 χ^2/NDF:956223.2/19

Left: 2001.931+/-0.248 χ^2/NDF: 2008220.9/41

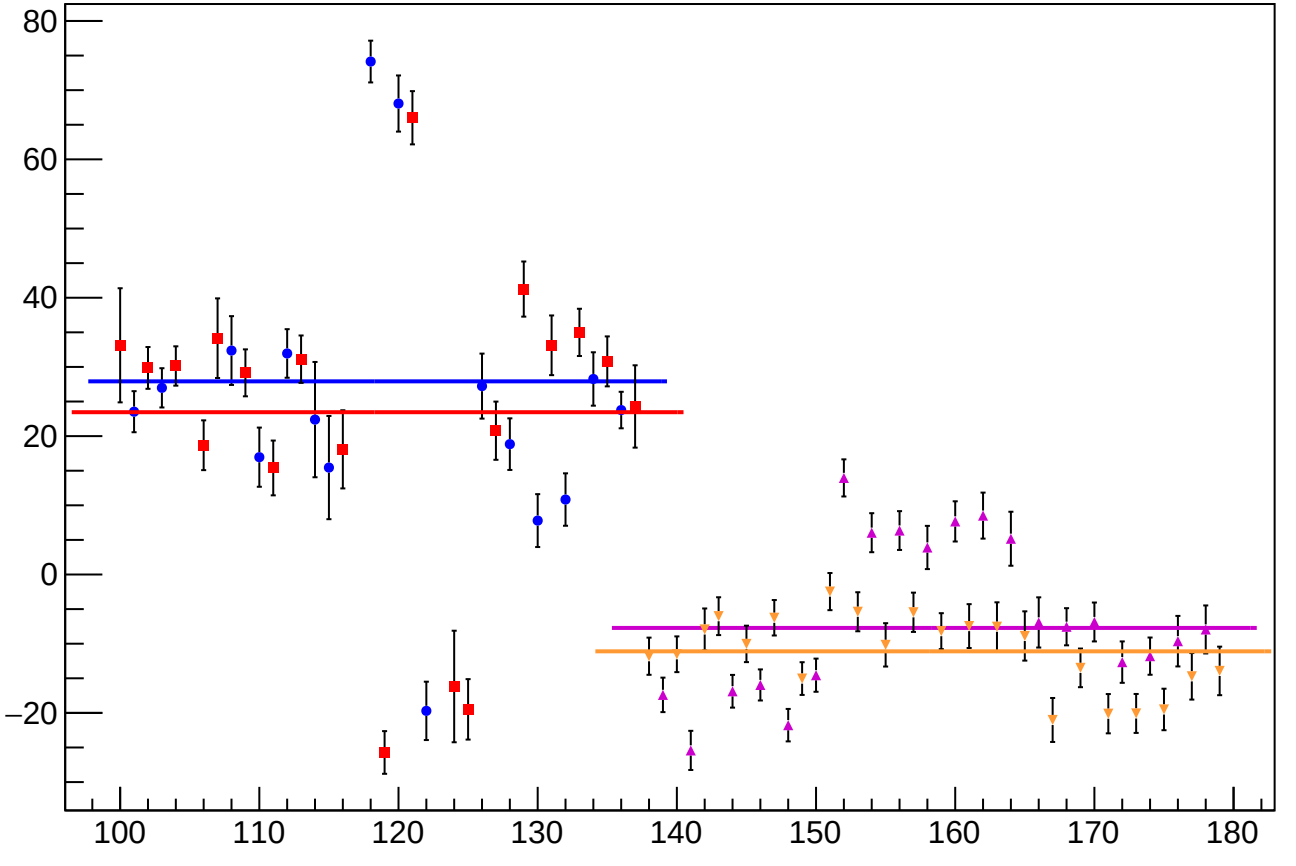
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2081.097+/-0.309 χ^2/NDF:1359996.9/35

Out: 2095.281+/-0.302 χ^2/NDF:1382313.9/40

All: 2088.365+/-0.216 χ^2/NDF: 2743390.0/76

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.103+/-0.613 χ^2/NDF:74.0/21

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.721+/-0.628 χ^2/NDF:323.2/19

Left: -9.453+/-0.439 χ^2/NDF: 412.1/41

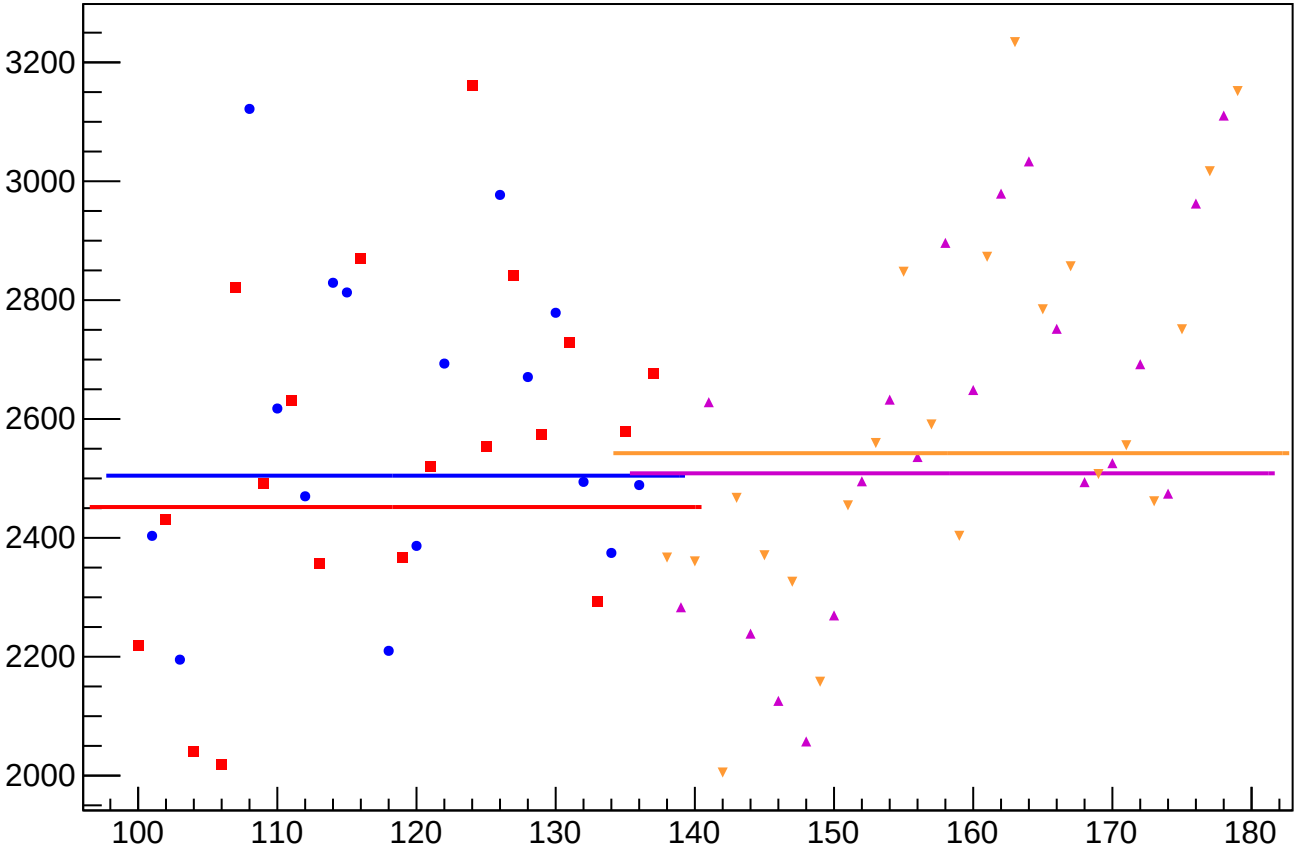
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.324+/-0.522 χ^2/NDF:1852.6/35

Out: -0.199+/-0.507 χ^2/NDF:1645.4/40

All: 1.513+/-0.364 χ^2/NDF: 3521.5/76

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2542.490+/-0.433 χ^2/NDF:425284.3/21

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2508.607+/-0.444 χ^2/NDF:421788.7/19

Left: 2525.958+/-0.310 χ^2/NDF: 850056.4/41

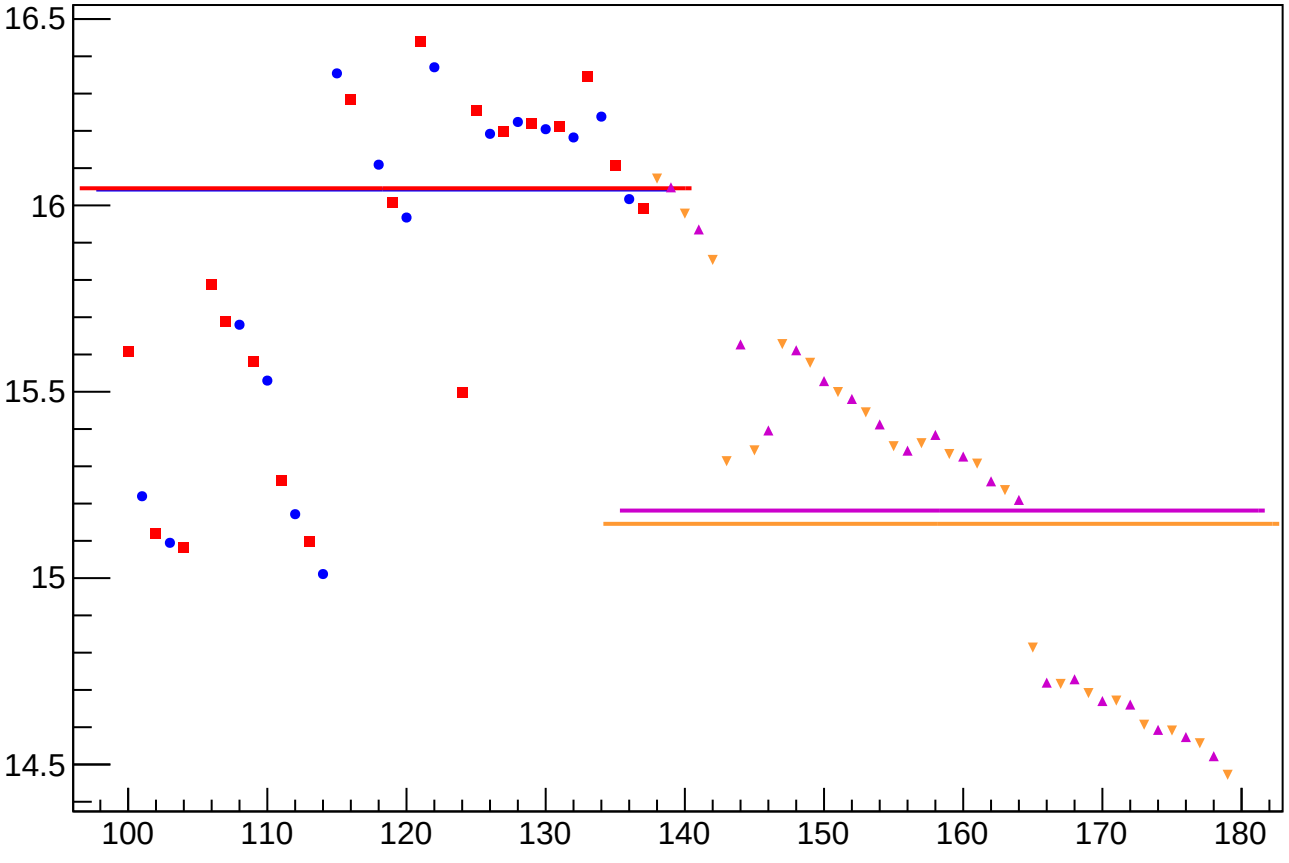
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2507.382+/-0.369 χ^2/NDF:548412.4/35

Out: 2513.902+/-0.359 χ^2/NDF:592317.3/40

All: 2510.734+/-0.257 χ^2/NDF: 1140890.4/76

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.146+/-0.000 χ^2/NDF:36337318944.8/21

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.181+/-0.000 χ^2/NDF:30862693908.9/19

Left: 15.162+/-0.000 χ^2/NDF: 67291070701.7/41

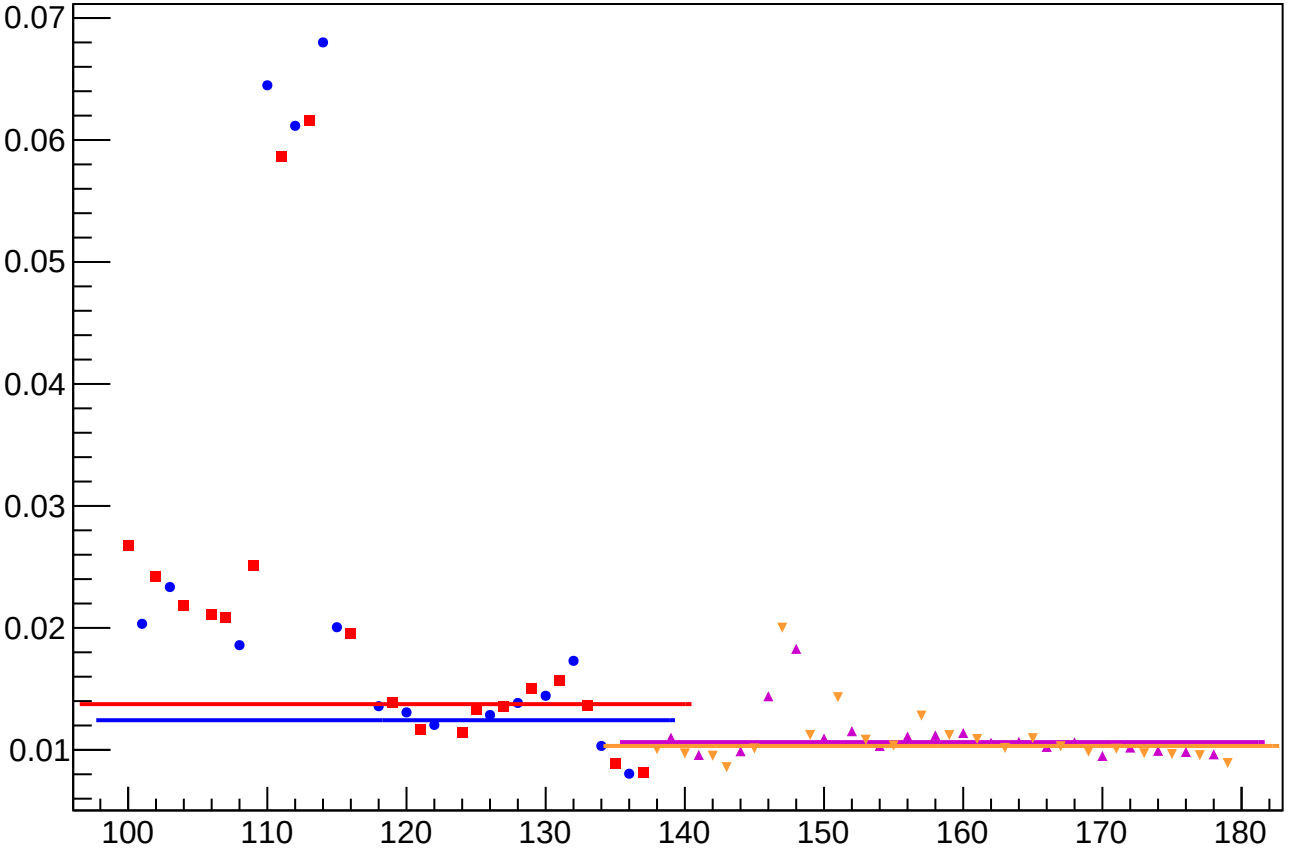
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.361+/-0.000 χ^2/NDF:54619239230.5/35

Out: 15.293+/-0.000 χ^2/NDF:60275905646.2/40

All: 15.326+/-0.000 χ^2/NDF: 115297216333.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:729675.7/21

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:505211.8/19

Left: 0.010+/-0.000 χ^2/NDF: 1249190.8/41

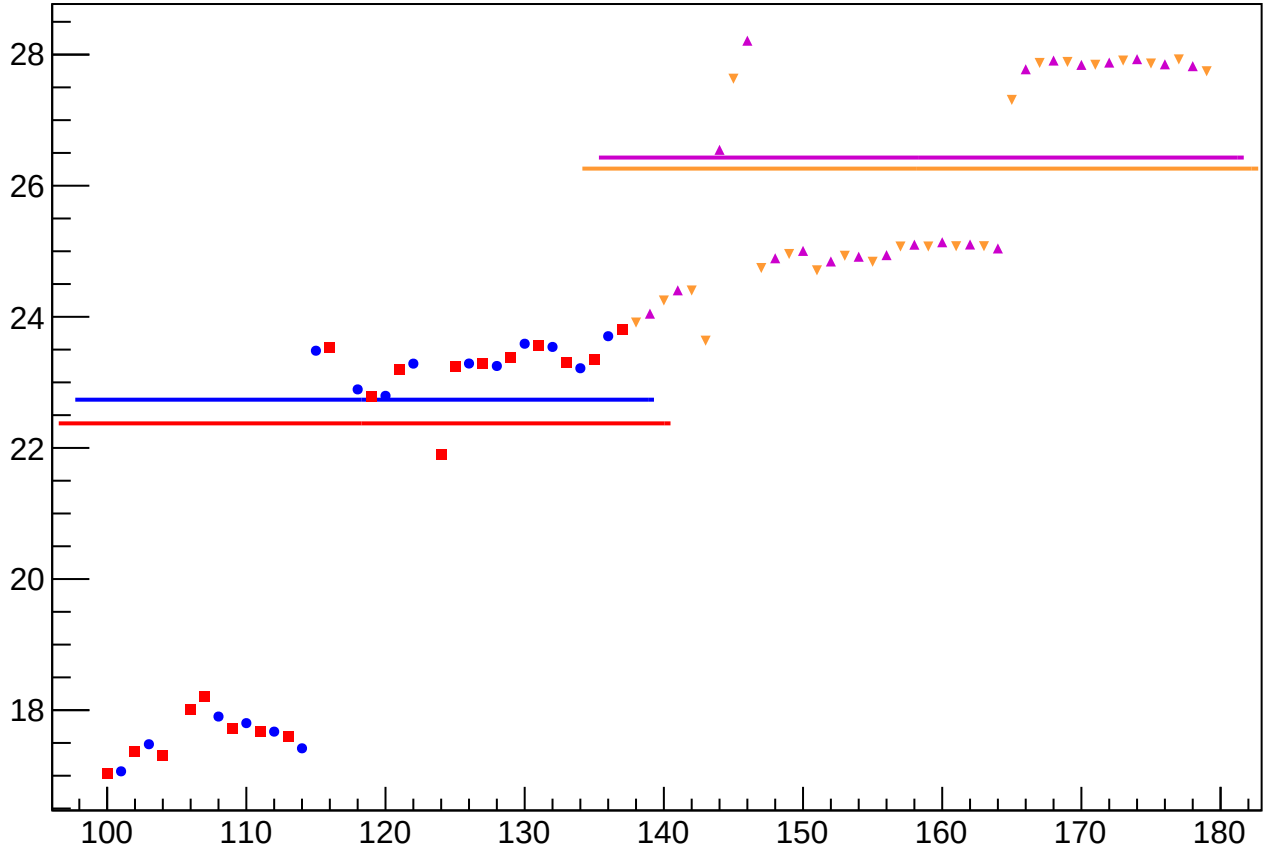
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:3003604.8/35

Out: 0.011+/-0.000 χ^2/NDF:3551287.7/40

All: 0.011+/-0.000 χ^2/NDF: 6557753.2/76

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.261+/-0.000 χ^2/NDF:3357488157.1/21

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.429+/-0.000 χ^2/NDF:2478112643.5/19

Left: 26.341+/-0.000 χ^2/NDF: 5852883840.3/41

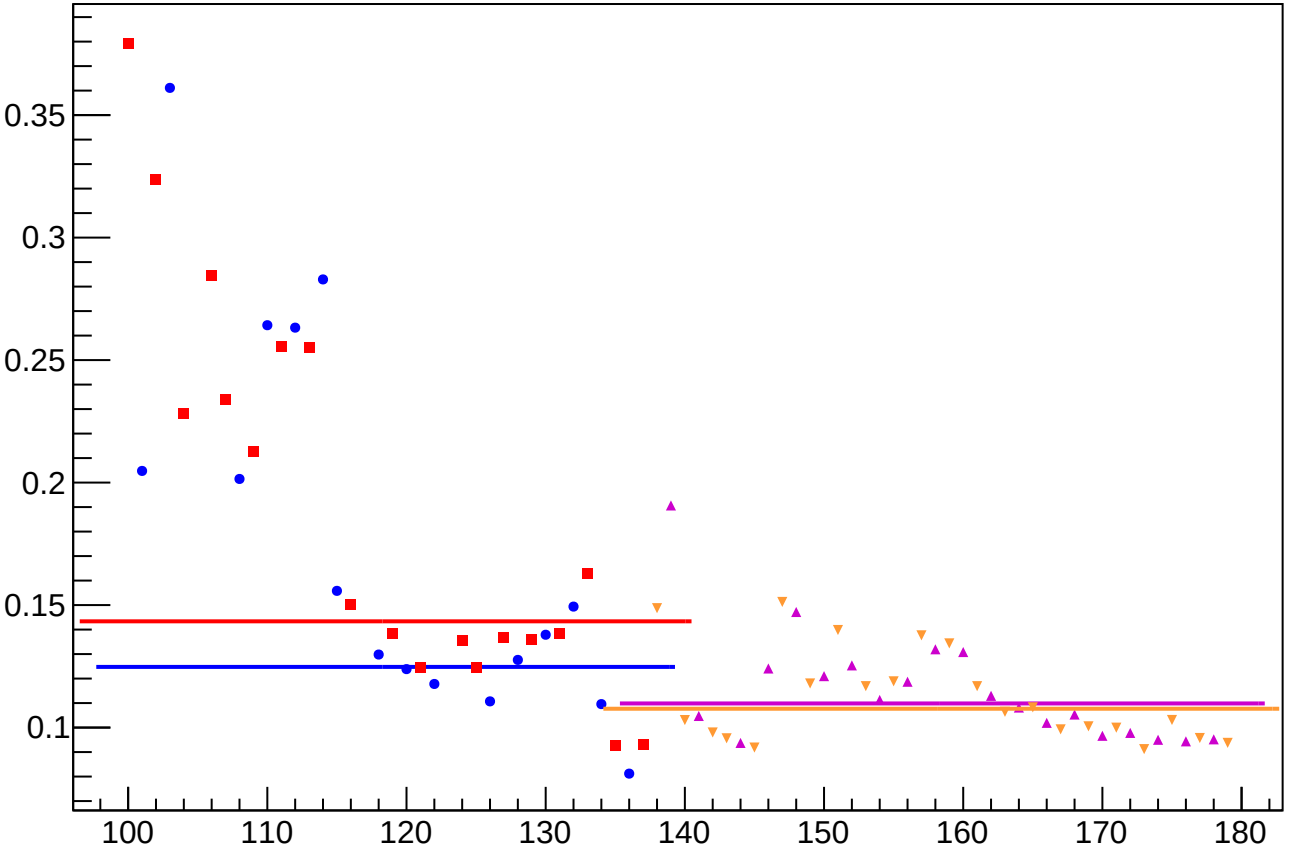
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.583+/-0.000 χ^2/NDF:7311430557.3/35

Out: 25.568+/-0.000 χ^2/NDF:8042272420.7/40

All: 25.576+/-0.000 χ^2/NDF: 15353874492.1

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.108+/-0.000 χ^2/NDF:678575.6/21

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.110+/-0.000 χ^2/NDF:750506.3/19

Left: 0.109+/-0.000 χ^2/NDF: 1434777.6/41

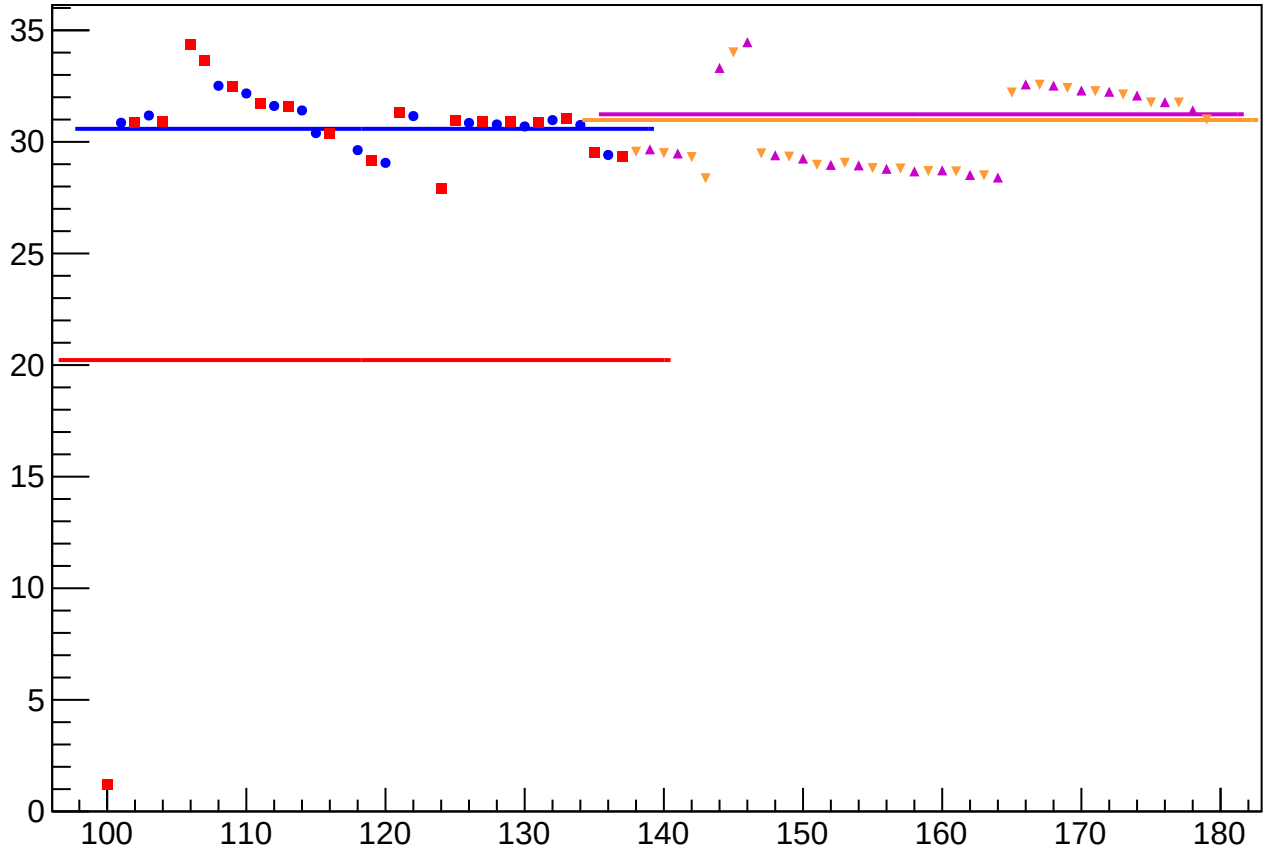
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.113+/-0.000 χ^2/NDF:2618144.4/35

Out: 0.114+/-0.000 χ^2/NDF:2833582.8/40

All: 0.114+/-0.000 χ^2/NDF: 5452662.7/76

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.978+/-0.000 χ^2/NDF:11786753513.7/21

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.236+/-0.000 χ^2/NDF:12563020025.3/19

Left: 31.105+/-0.000 χ^2/NDF: 24473555277.1/41

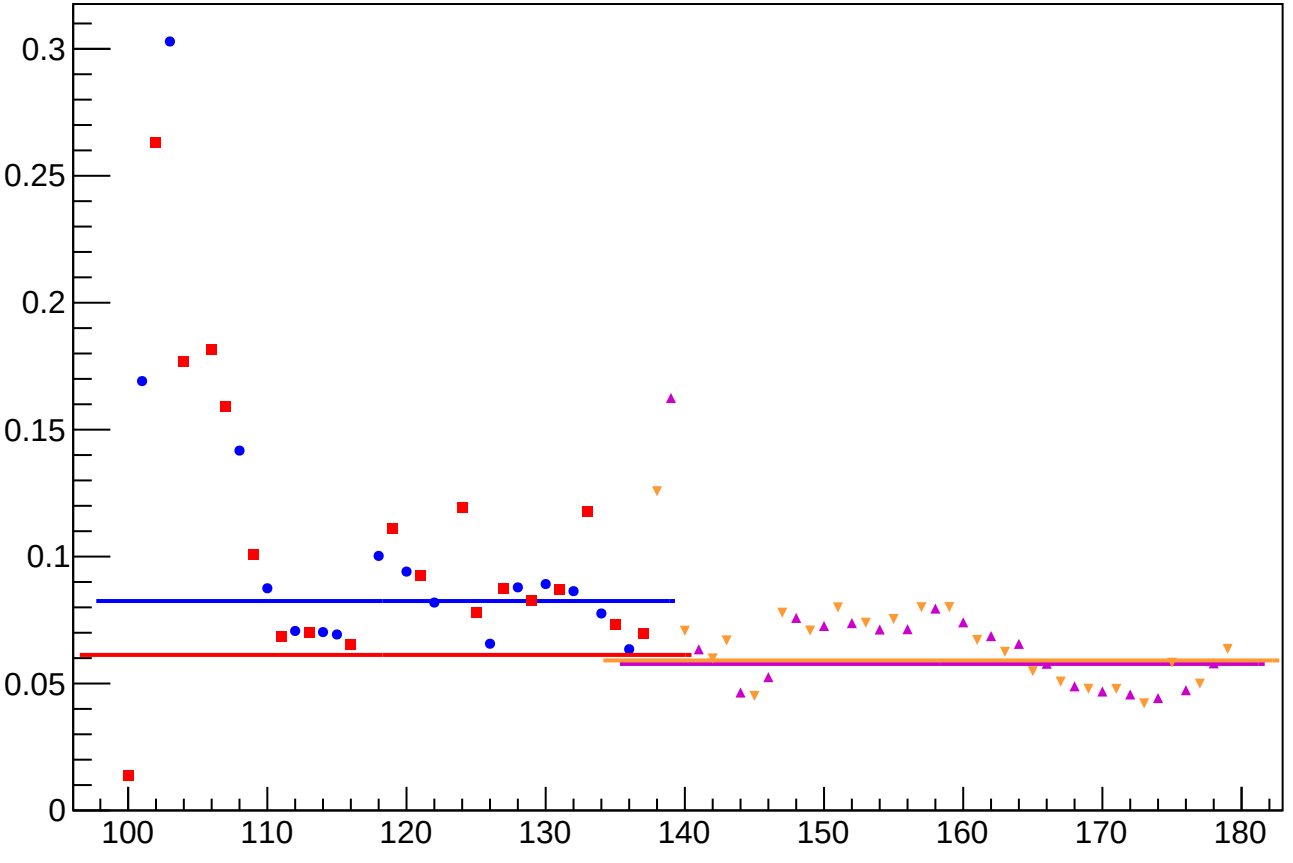
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.122+/-0.000 χ^2/NDF:13486472888.2/35

Out: 28.585+/-0.000 χ^2/NDF:330888212428.7/40

All: 29.793+/-0.000 χ^2/NDF: 359361661365.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1503722.3/21

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1695059.8/19

Left: 0.058+/-0.000 χ^2/NDF: 3205818.4/41

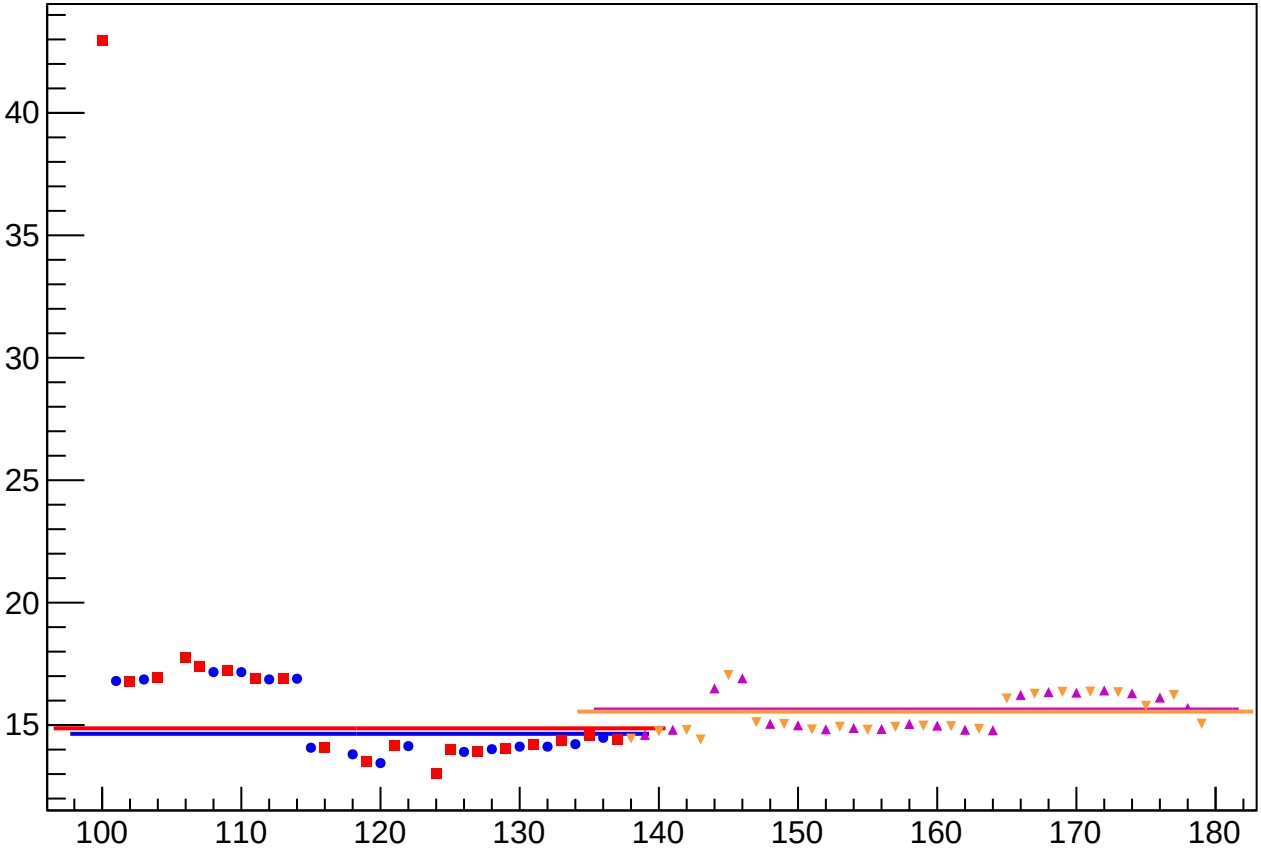
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3741666.6/35

Out: 0.060+/-0.000 χ^2/NDF:5526052.1/40

All: 0.061+/-0.000 χ^2/NDF: 9295912.8/76

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.552+/-0.000 χ^2/NDF:2176771571.1/21

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.635+/-0.000 χ^2/NDF:1830771570.0/19

Left: 15.592+/-0.000 χ^2/NDF: 4019382118.2/41

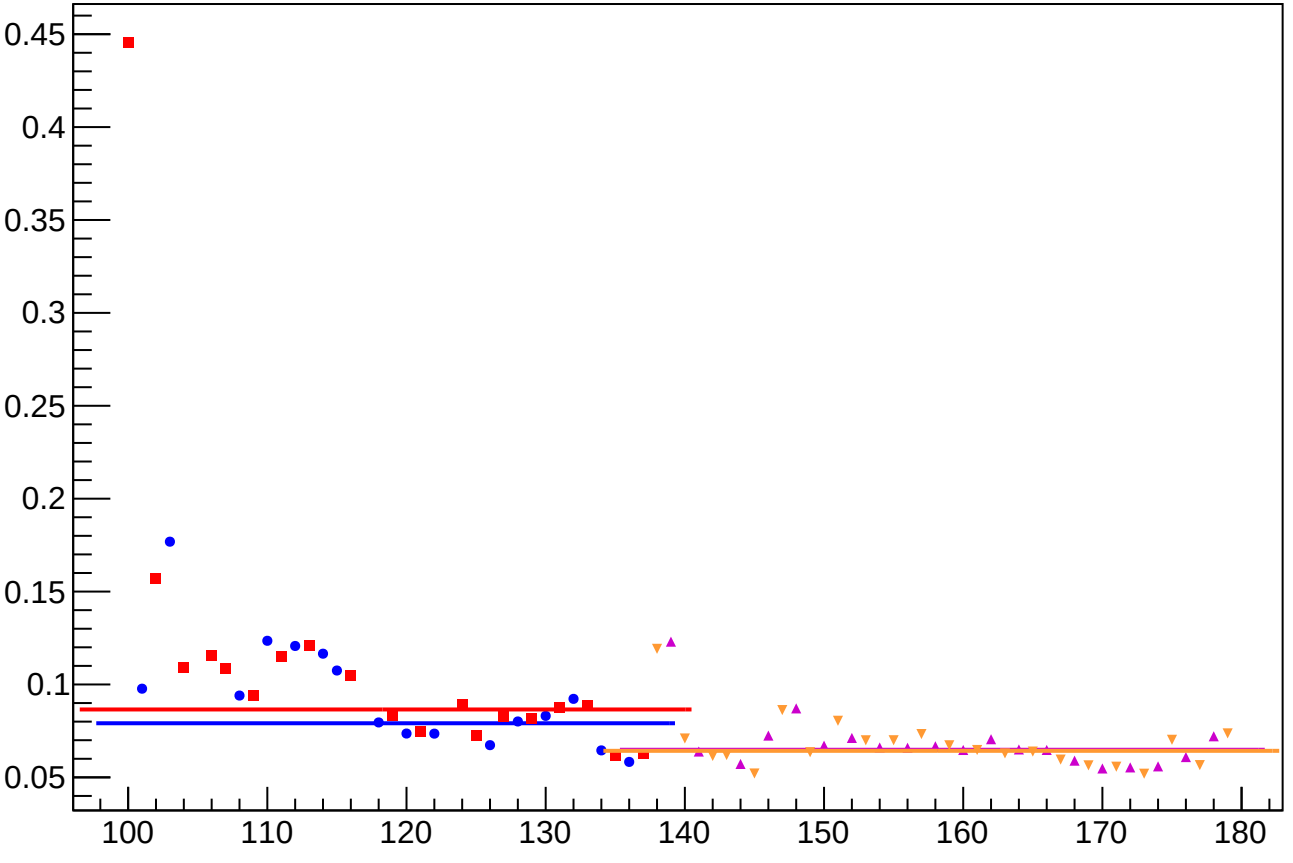
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.415+/-0.000 χ^2/NDF:3740654977.8/35

Out: 15.424+/-0.000 χ^2/NDF:4218318653.3/40

All: 15.419+/-0.000 χ^2/NDF: 7959151918.2/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:795070.5/21

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:694163.3/19

Left: 0.065+/-0.000 χ^2/NDF: 1490346.0/41

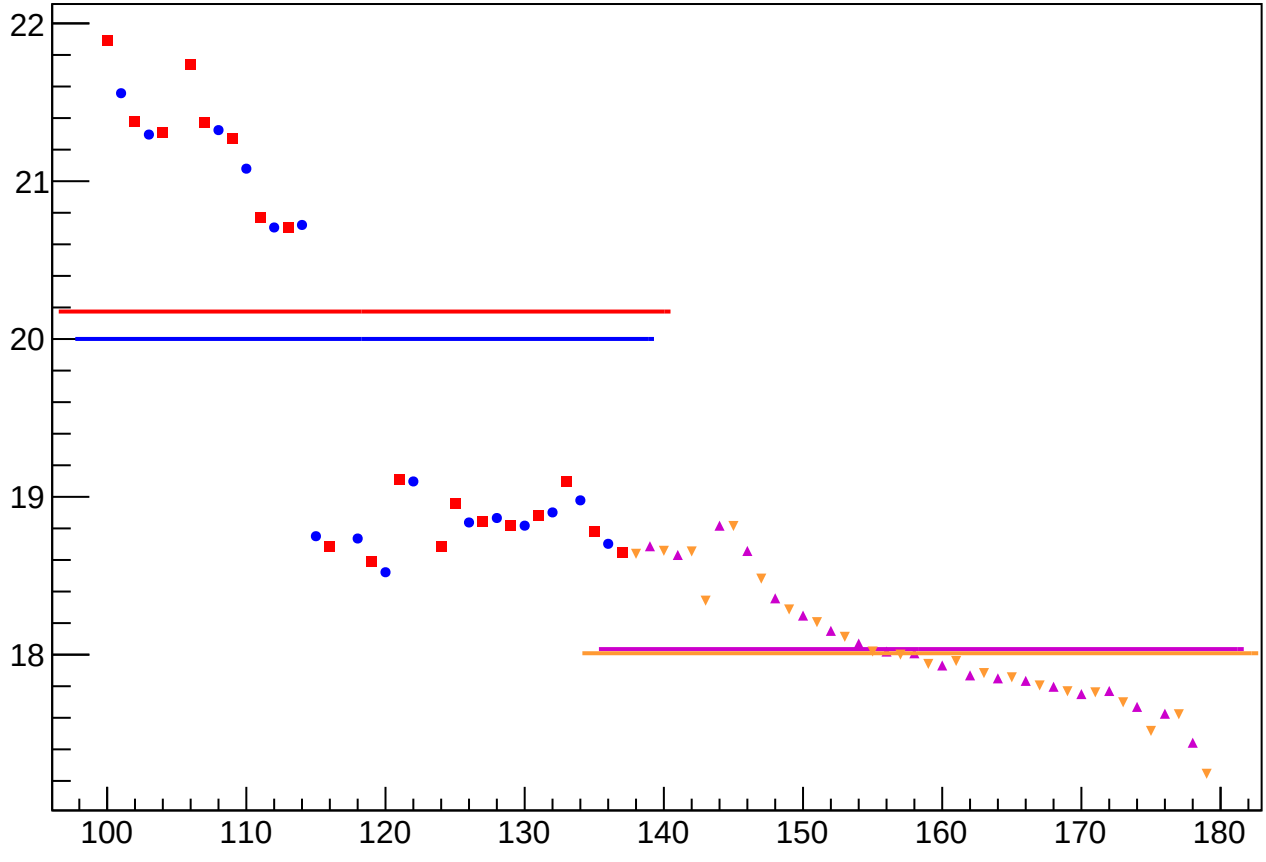
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1909582.3/35

Out: 0.068+/-0.000 χ^2/NDF:2249372.1/40

All: 0.068+/-0.000 χ^2/NDF: 4159722.4/76

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.009+/-0.000 χ^2/NDF:2643796053.0/21

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.035+/-0.000 χ^2/NDF:2228459939.1/19

Left: 18.022+/-0.000 χ^2/NDF: 4878043378.5/41

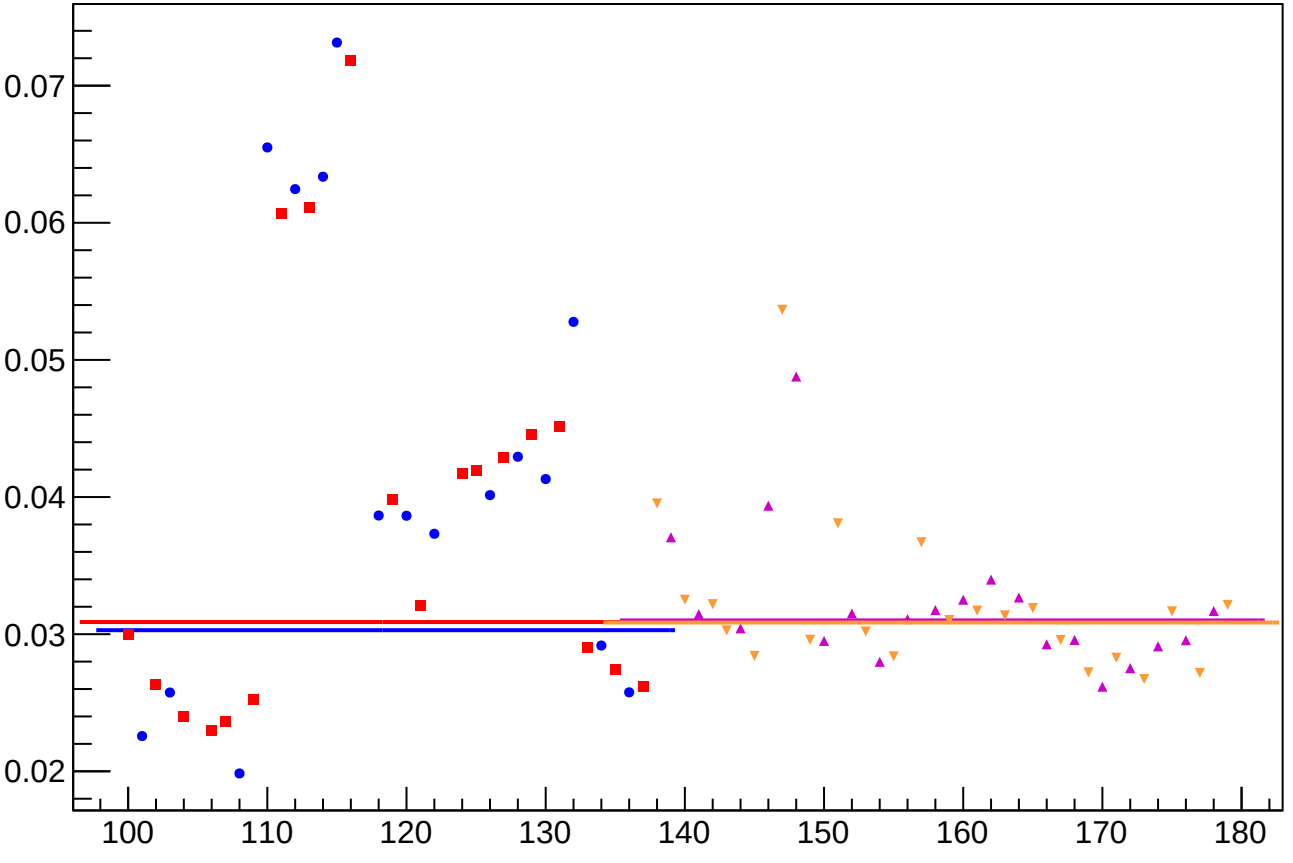
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.601+/-0.000 χ^2/NDF:30977914851.5/35

Out: 18.600+/-0.000 χ^2/NDF:35286282563.2/40

All: 18.601+/-0.000 χ^2/NDF: 66264209831.2

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:605415.3/21

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:469994.2/19

Left: 0.031+/-0.000 χ^2/NDF: 1075798.5/41

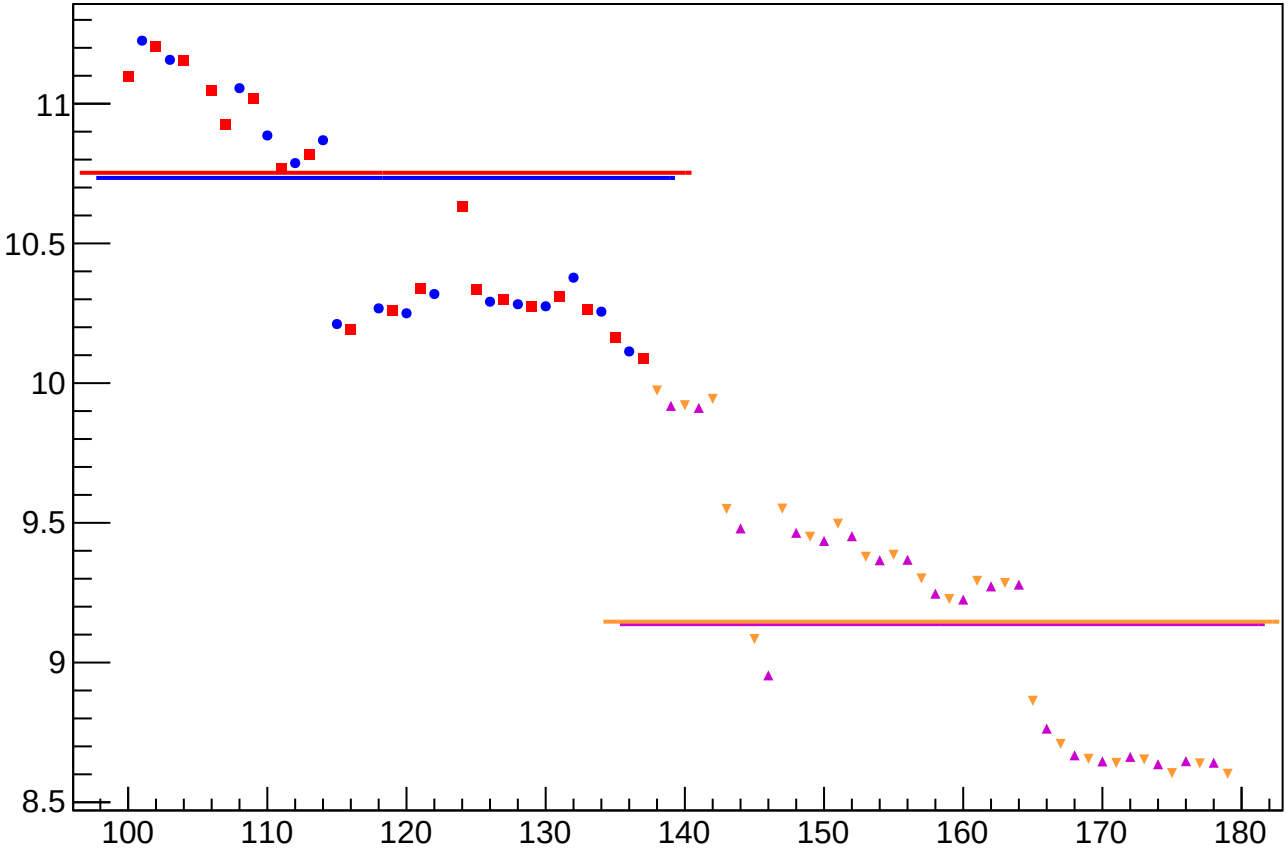
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1922073.3/35

Out: 0.031+/-0.000 χ^2/NDF:1810157.3/40

All: 0.031+/-0.000 χ^2/NDF: 3732321.2/76

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.146+/-0.000 χ^2/NDF:8794126365.8/21

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.137+/-0.000 χ^2/NDF:6631081545.6/19

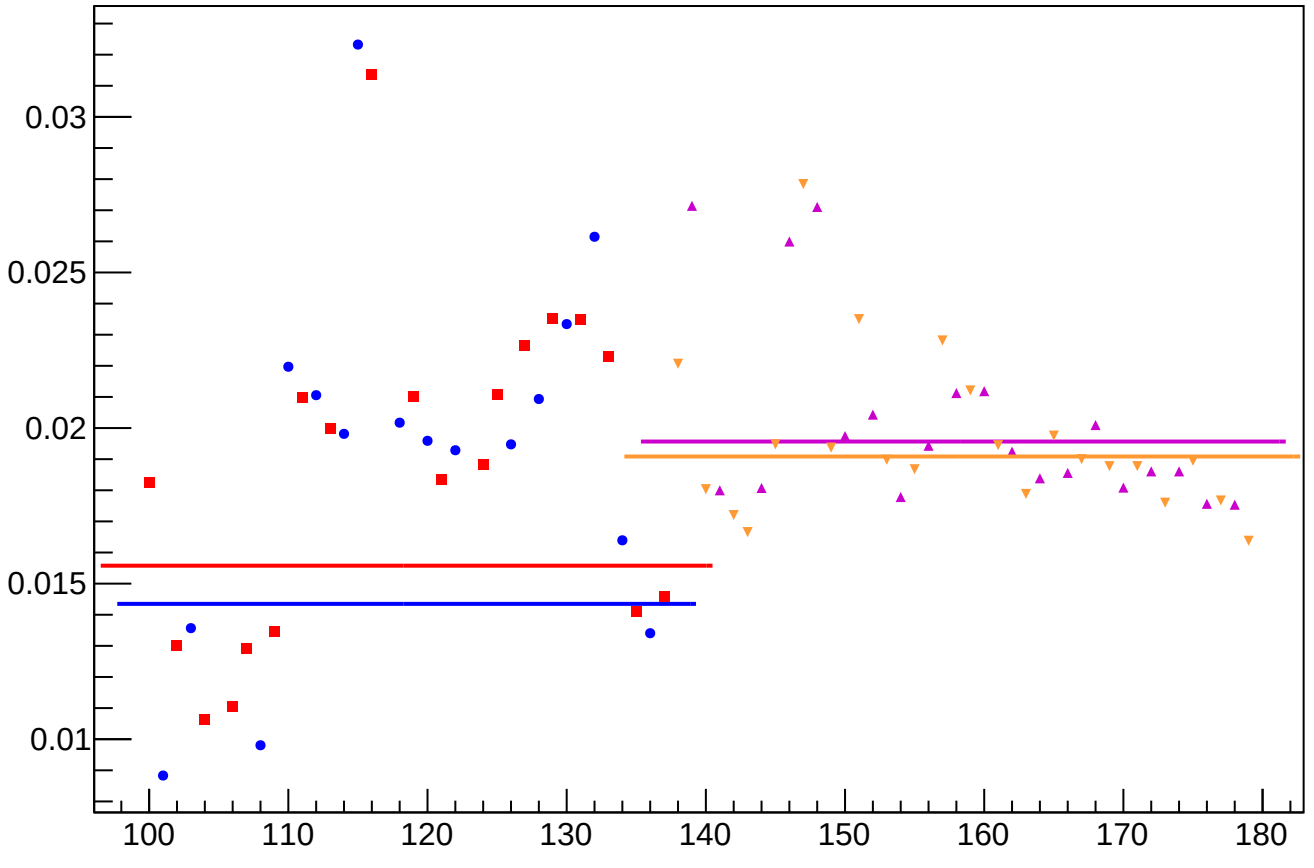
Left: 9.142+/-0.000 χ^2/NDF: 15426839262.0/41

Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.804+/-0.000 χ^2/NDF:53557948045.4/35

Out: 9.740+/-0.000 χ^2/NDF:54648443705.4/40

All: 9.771+/-0.000 χ^2/NDF: 108343614304.2



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:412045.9/21

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:472571.5/19

Left: 0.019+/-0.000 χ^2/NDF: 894069.3/41

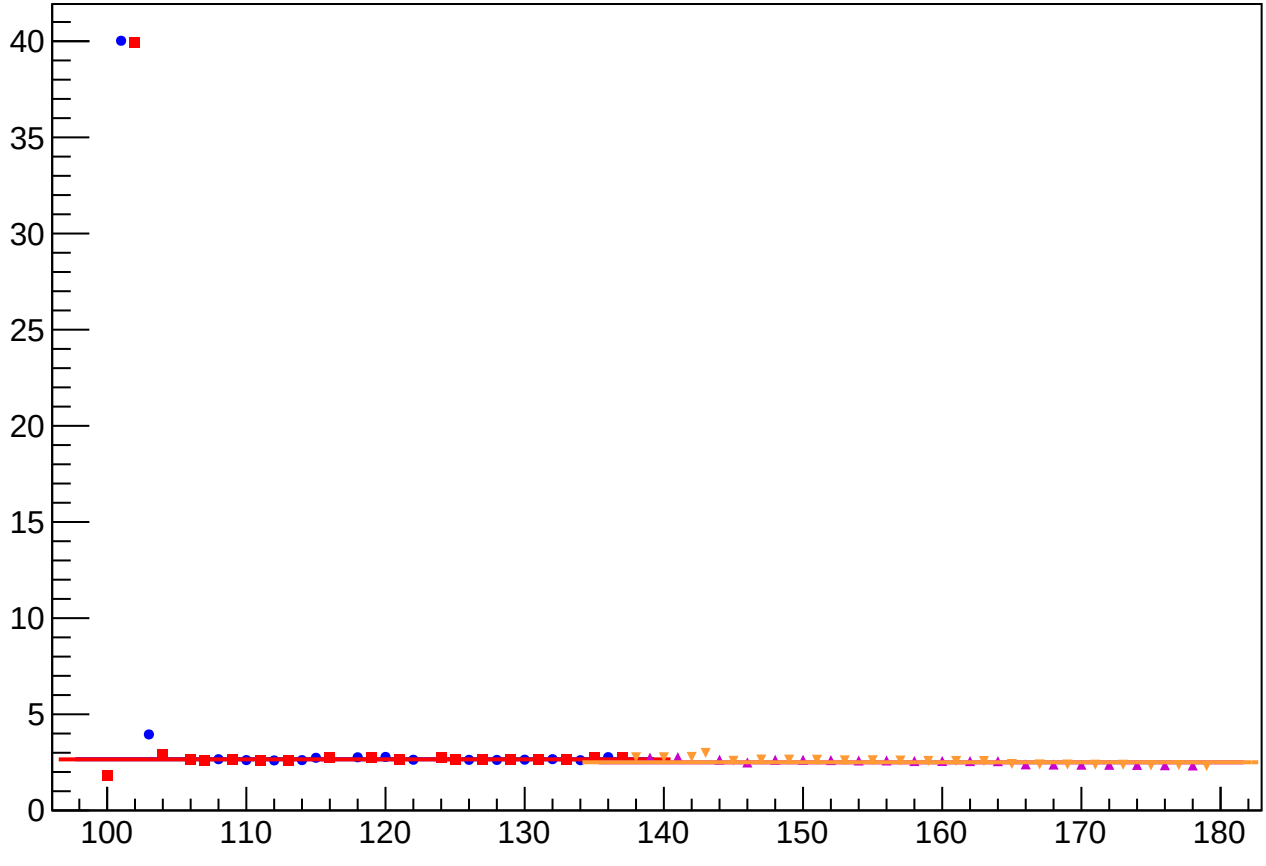
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2830387.4/35

Out: 0.018+/-0.000 χ^2/NDF:1880085.8/40

All: 0.018+/-0.000 χ^2/NDF: 4721243.6/76

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.506+/-0.000 χ^2/NDF:85100255116.0/21

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.501+/-0.000 χ^2/NDF:54653279870.9/19

Left: 2.503+/-0.000 χ^2/NDF: 139783338391.3/41

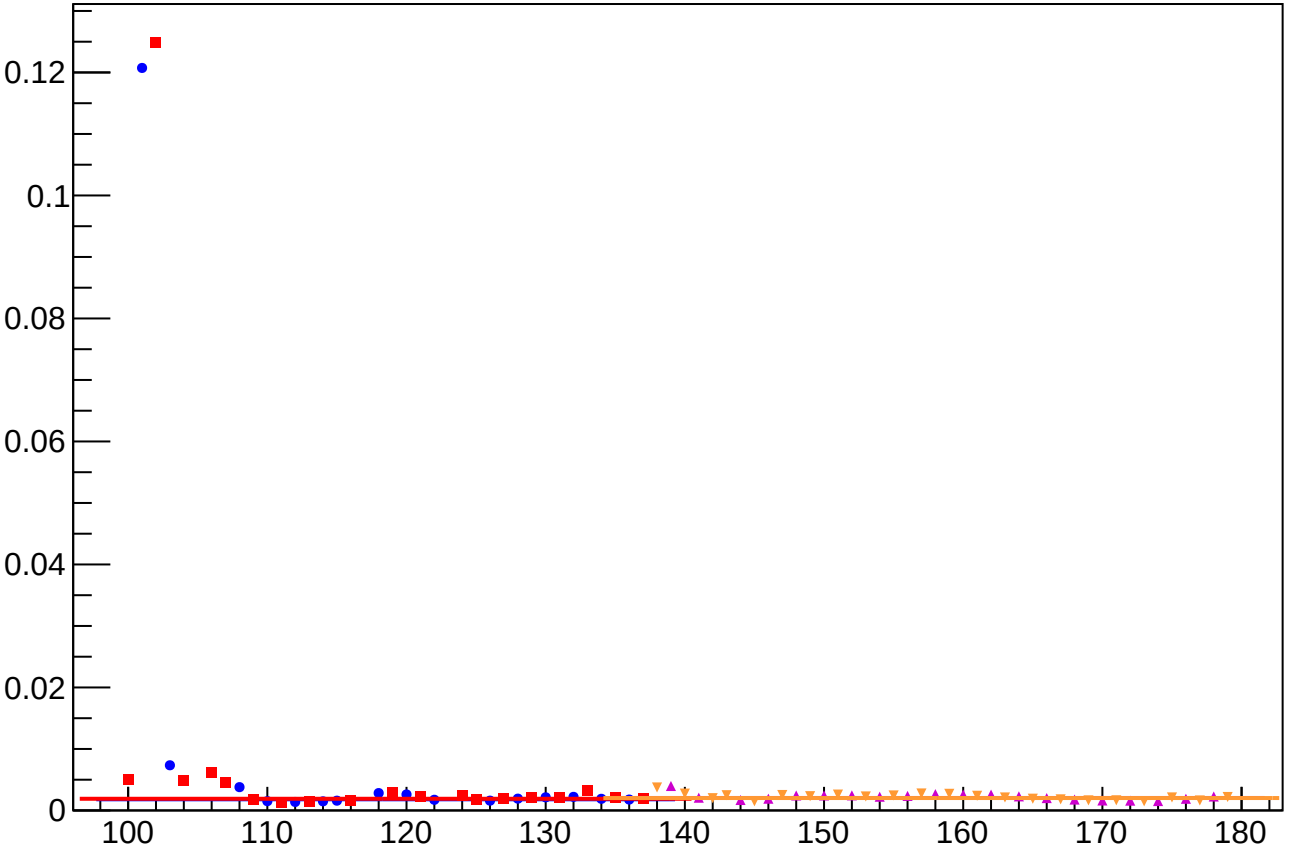
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.552+/-0.000 χ^2/NDF:148728844616.7/35

Out: 2.549+/-0.000 χ^2/NDF:172872334325.7/40

All: 2.551+/-0.000 χ^2/NDF: 321618080944.7

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1462937.9/21

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1229864.9/19

Left: 0.002+/-0.000 χ^2/NDF: 2693109.4/41

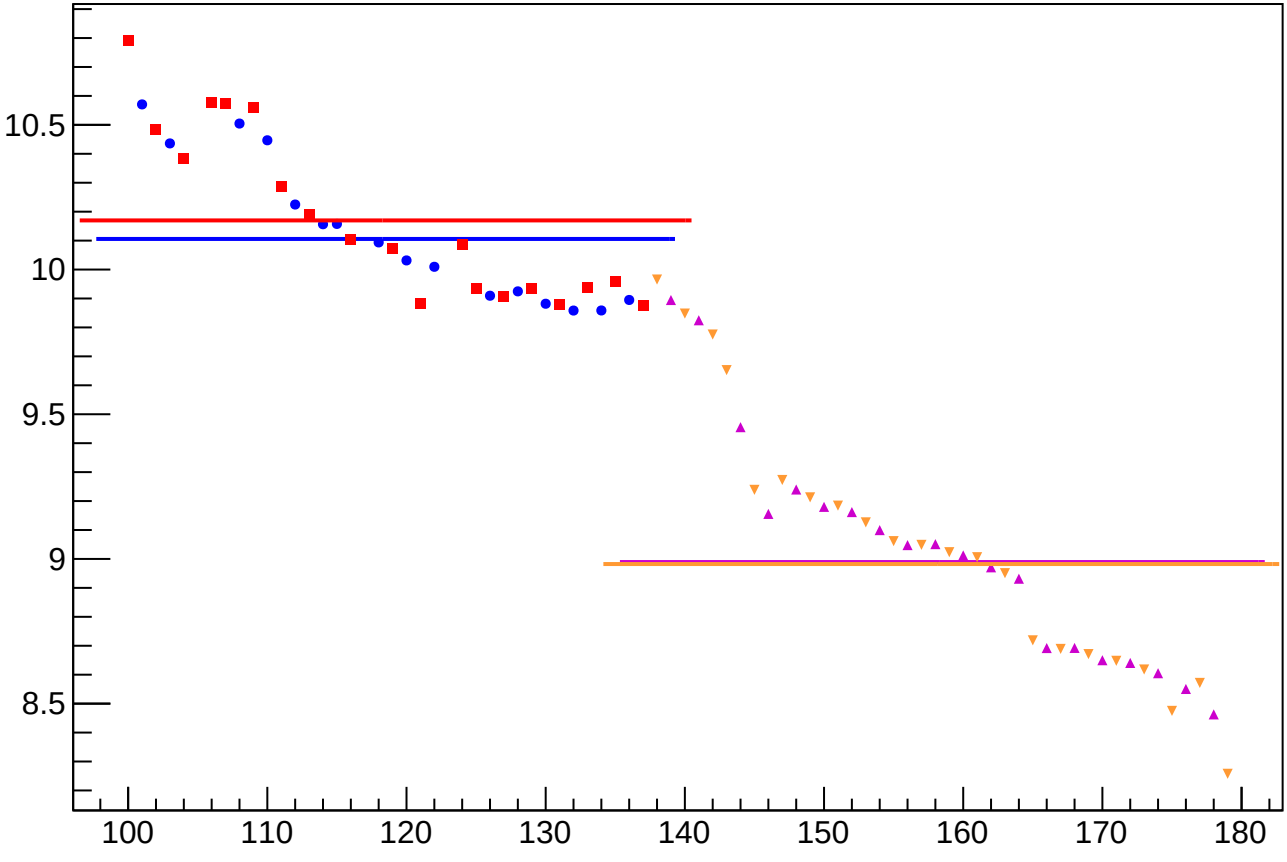
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3143559.8/35

Out: 0.002+/-0.000 χ^2/NDF:4016959.4/40

All: 0.002+/-0.000 χ^2/NDF: 7162907.4/76

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 8.982+/-0.000 χ^2/NDF:58018828654.2/21

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 8.989+/-0.000 χ^2/NDF:44330870774.5/19

Left: 8.986+/-0.000 χ^2/NDF: 102358363366.8/41

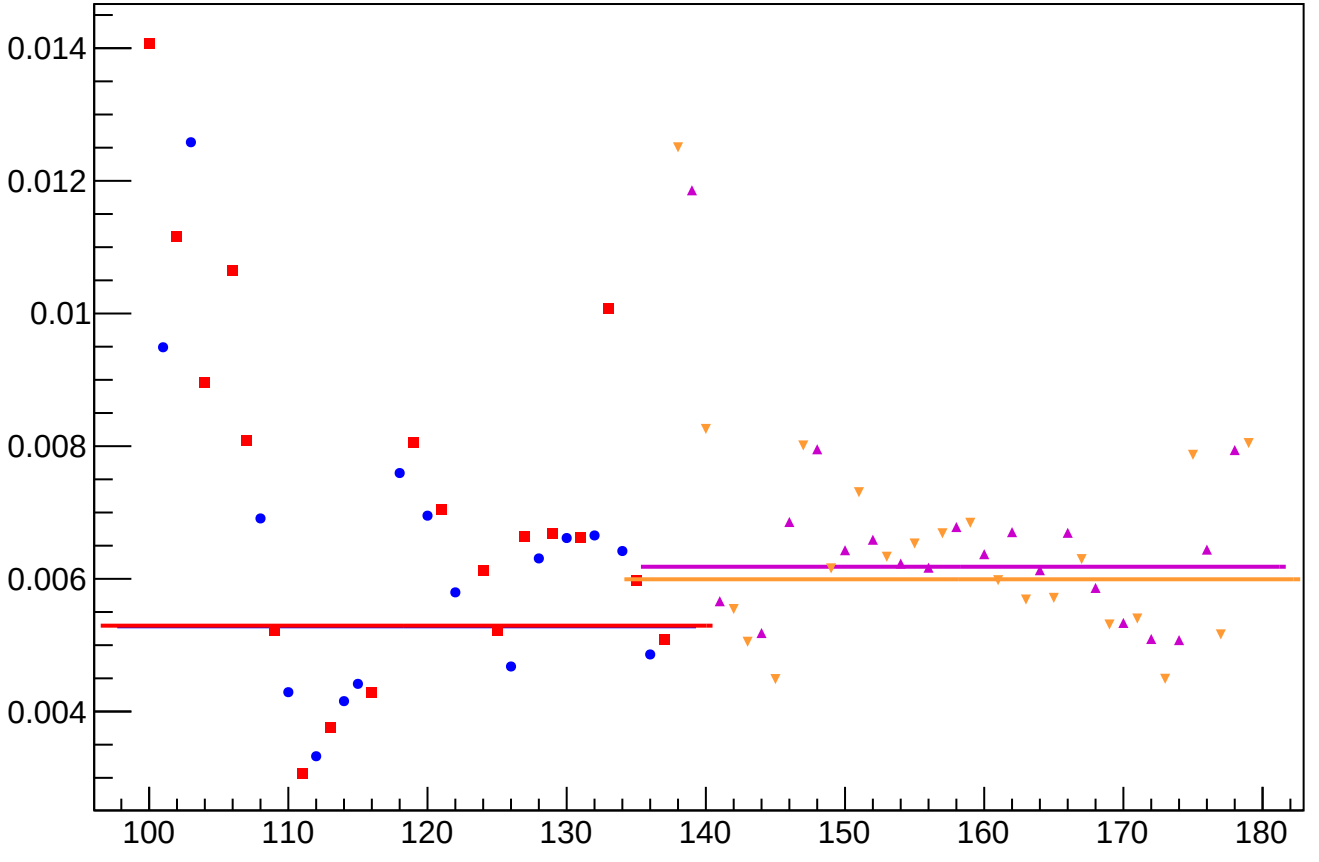
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.392+/-0.000 χ^2/NDF:207528136624.6/35

Out: 9.383+/-0.000 χ^2/NDF:250989341617.7/40

All: 9.388+/-0.000 χ^2/NDF: 458539838652.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1235641.4/21

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:774497.6/19

Left: 0.006+/-0.000 χ^2/NDF: 2023101.0/41

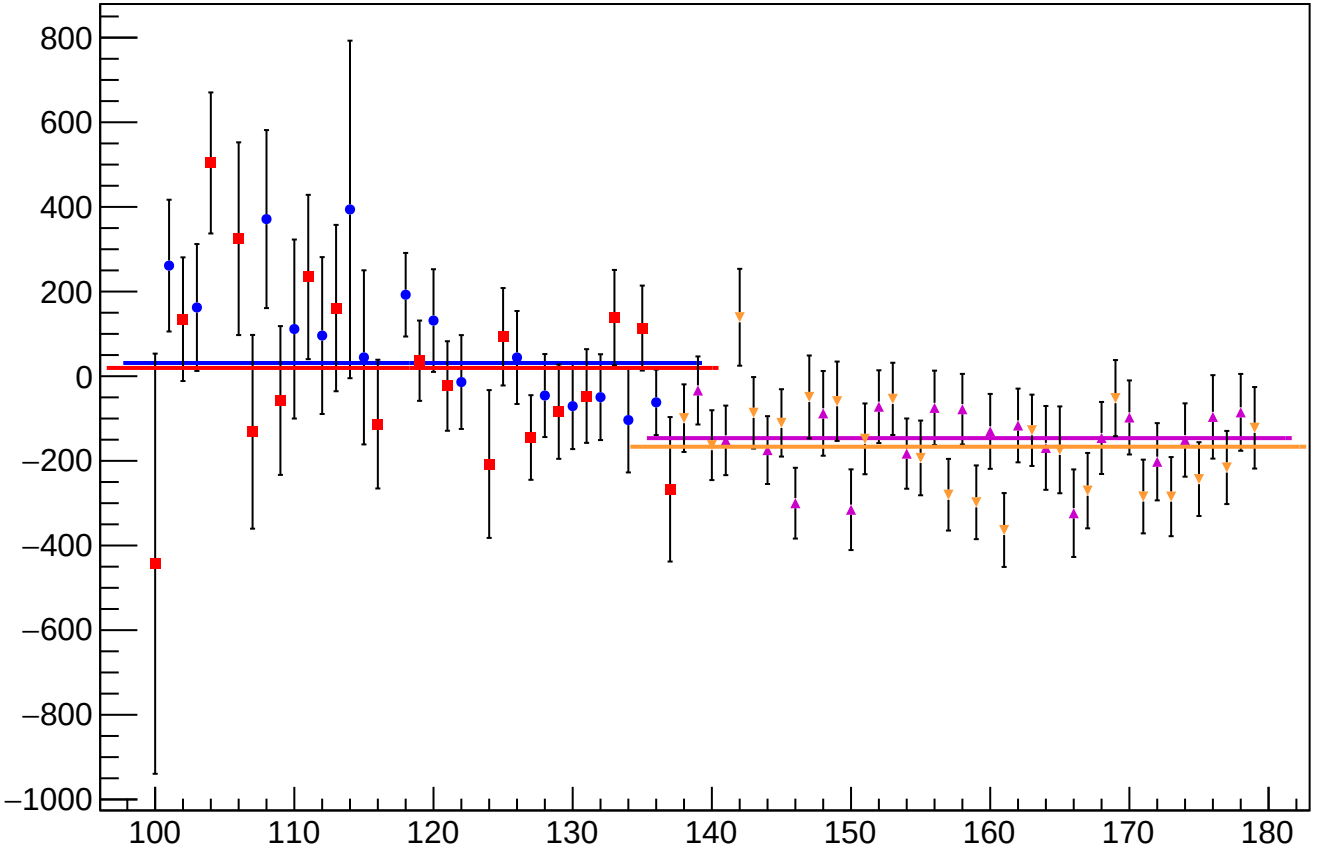
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2247897.0/35

Out: 0.006+/-0.000 χ^2/NDF:3155417.6/40

All: 0.006+/-0.000 χ^2/NDF: 5409015.3/76

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.607+/-18.857 χ^2/NDF:31.0/21

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -146.276+/-19.744 χ^2/NDF:15.8/19

Left: -156.908+/-13.637 χ^2/NDF: 47.3/41

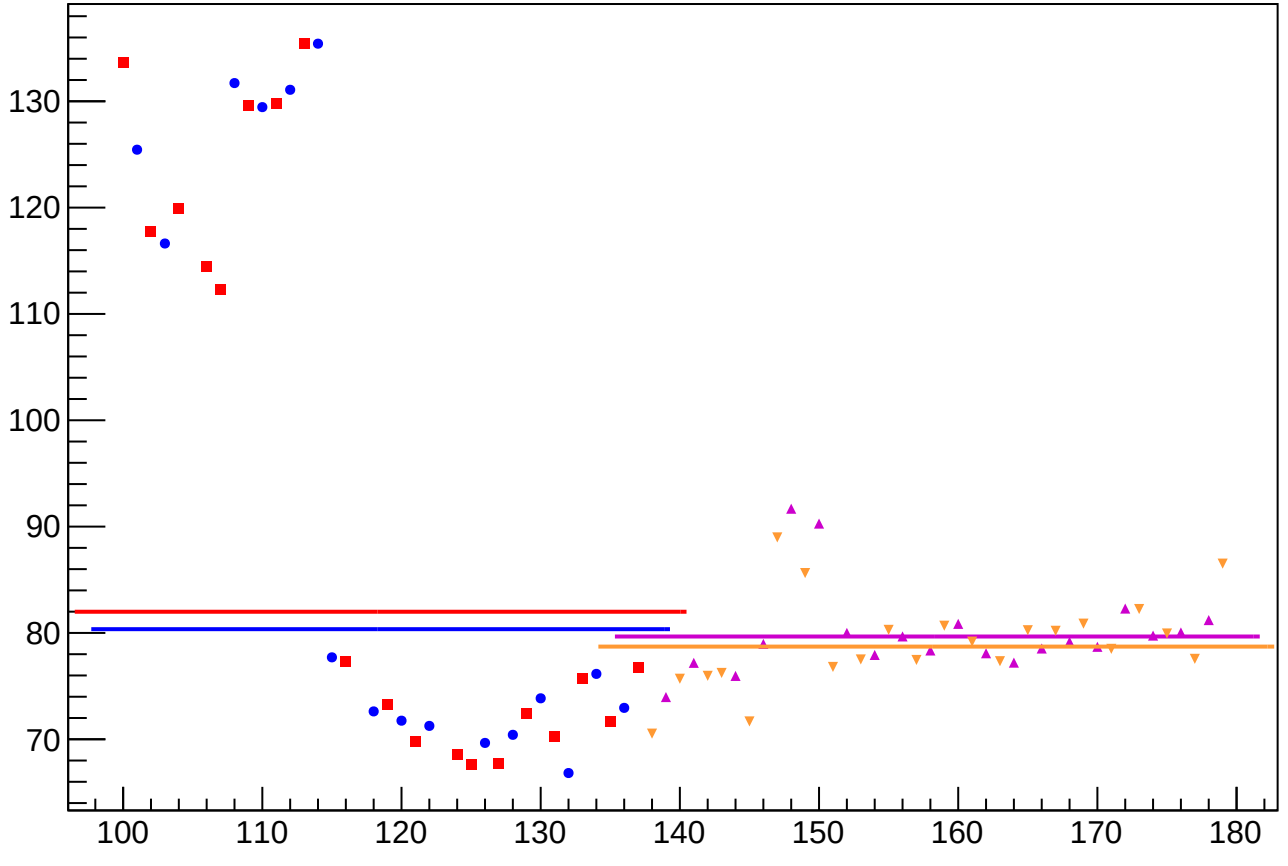
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -94.540+/-16.620 χ^2/NDF:54.4/35

Out: -116.460+/-16.119 χ^2/NDF:83.1/40

All: -105.835+/-11.571 χ^2/NDF: 138.4/76

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

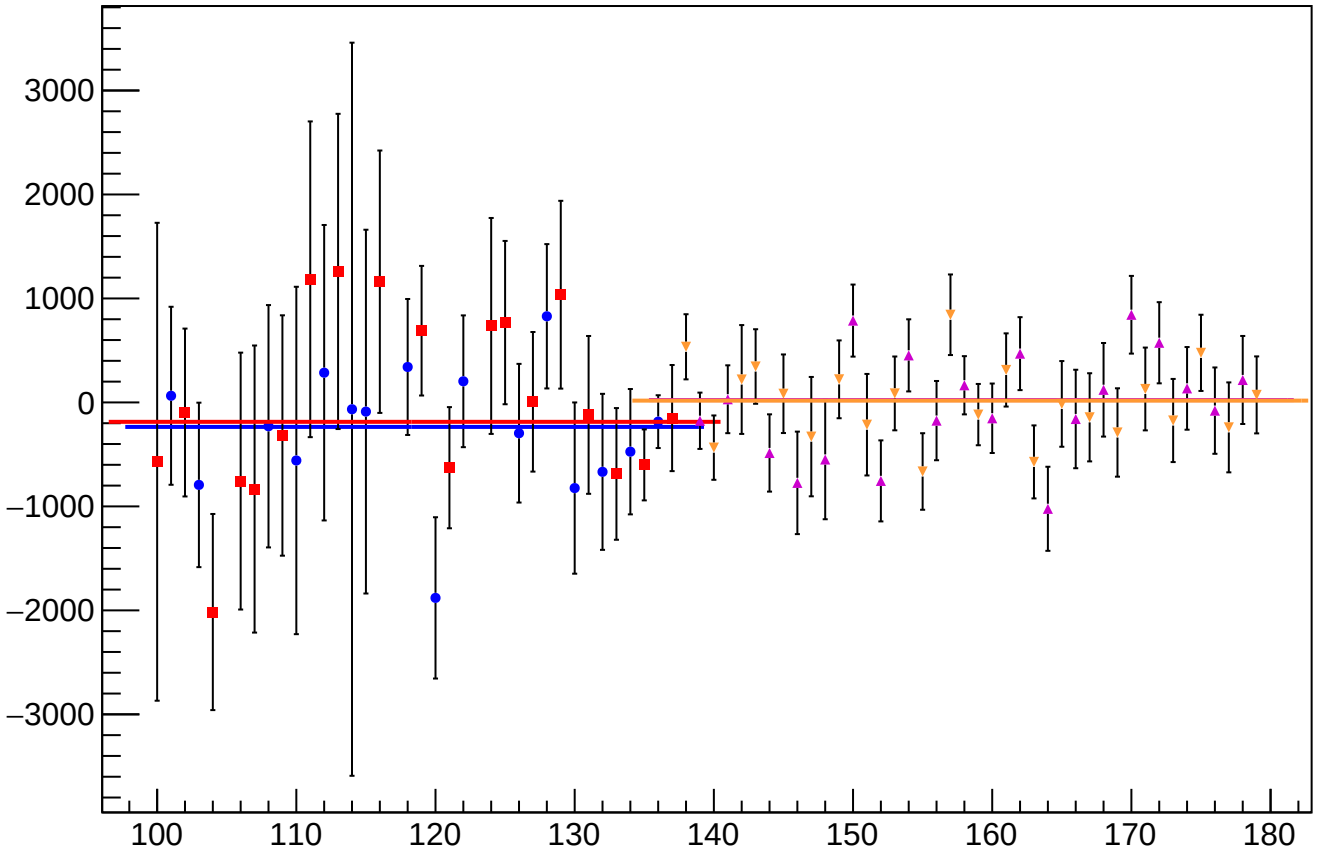
Left: 79.168+/-0.010 χ^2/NDF: 176886.5/41

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.865+/-0.012 χ^2/NDF:917131.0/35

Out: 79.598+/-0.011 χ^2/NDF:1046705.0/40

All: 79.727+/-0.008 χ^2/NDF: 1964101.7/76



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.333+/-80.913 χ^2/NDF:21.4/21

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 22.492+/-83.241 χ^2/NDF:32.9/19

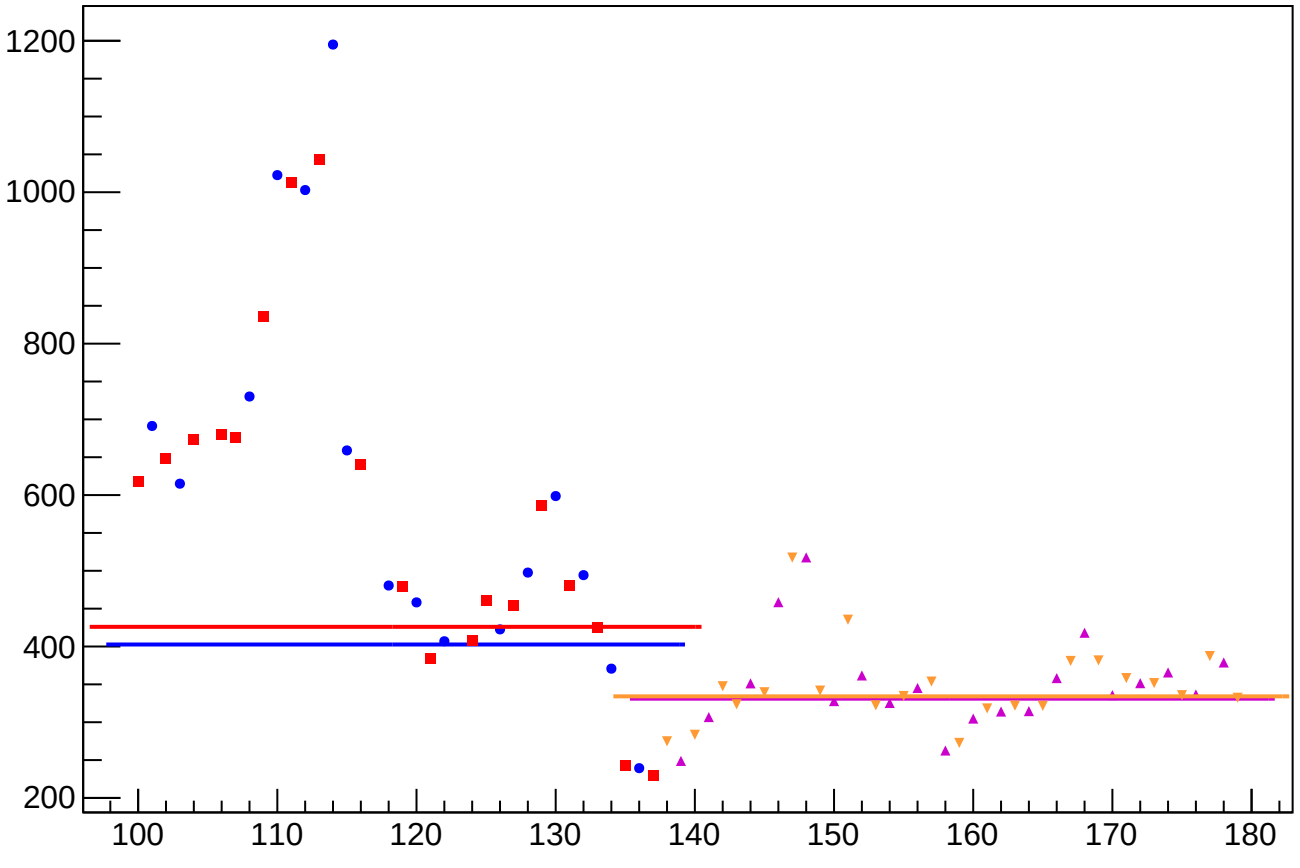
Left: 19.839+/-58.020 χ^2/NDF: 54.3/41

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -30.482+/-74.205 χ^2/NDF:44.8/35

Out: -20.194+/-73.091 χ^2/NDF:38.6/40

All: -25.261+/-52.073 χ^2/NDF: 83.4/76



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 334.178+/-0.057 χ^2/NDF:613421.0/21

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 331.116+/-0.059 χ^2/NDF:829951.1/19

Left: 332.690+/-0.041 χ^2/NDF: 1444763.9/41

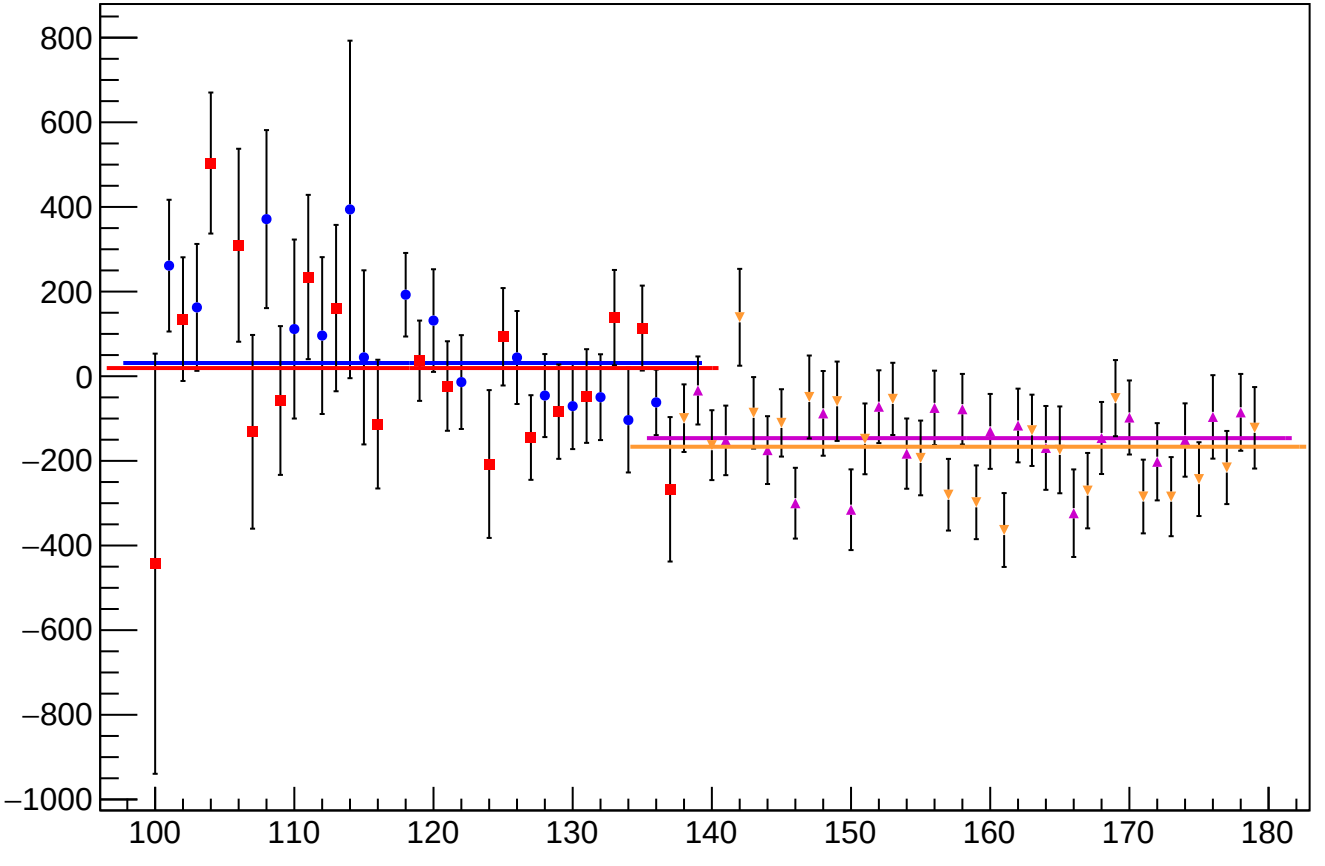
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 345.804+/-0.052 χ^2/NDF:3493366.1/35

Out: 351.070+/-0.052 χ^2/NDF:3455923.6/40

All: 348.477+/-0.037 χ^2/NDF: 6954400.3/76

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -146.279+/-19.744 χ^2/NDF:15.8/19

Left: -156.909+/-13.637 χ^2/NDF: 47.3/41

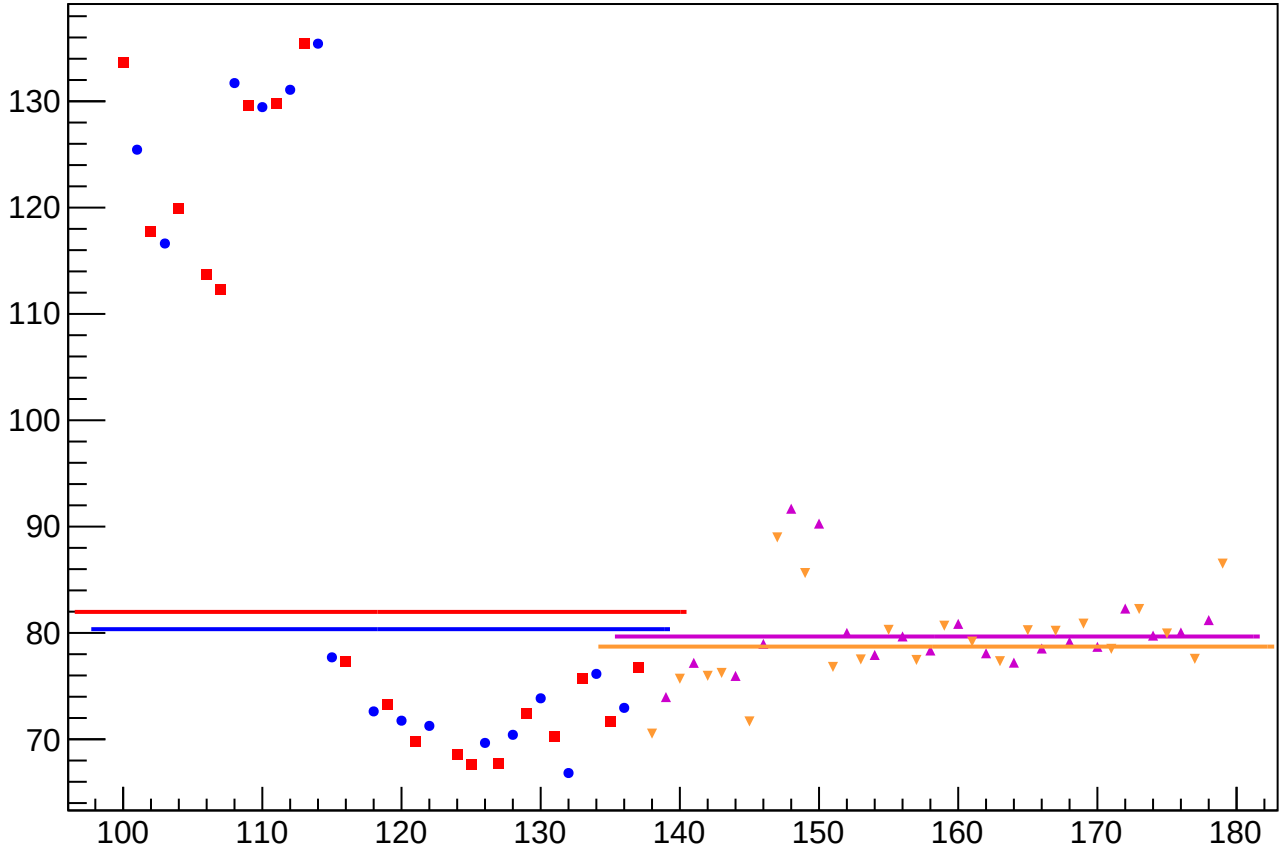
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.539+/-16.620 χ^2/NDF:54.4/35

Out: -116.540+/-16.119 χ^2/NDF:82.9/40

All: -105.876+/-11.571 χ^2/NDF: 138.2/76

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

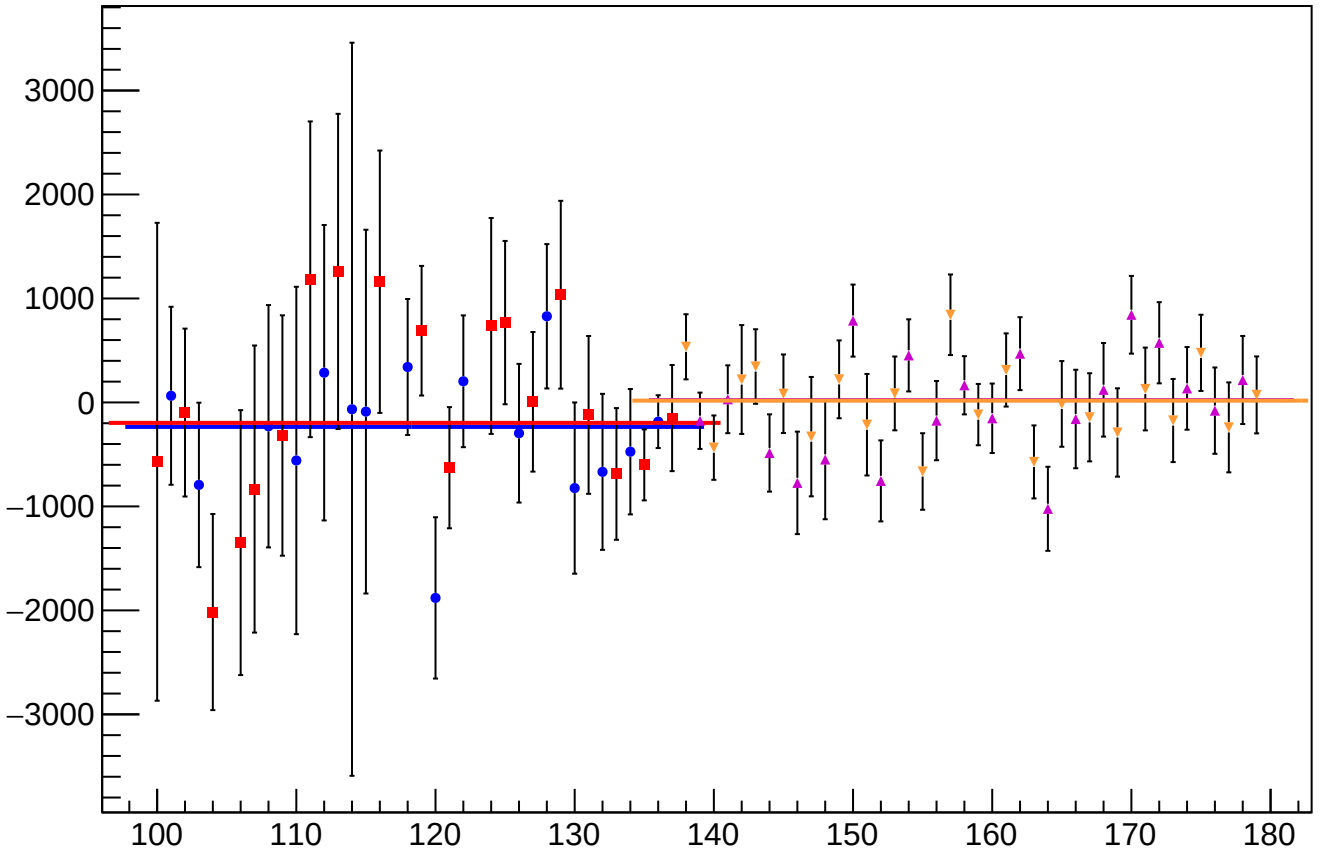
Left: 79.168+/-0.010 χ^2/NDF: 176886.5/41

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.865+/-0.012 χ^2/NDF:917131.2/35

Out: 79.594+/-0.011 χ^2/NDF:1044684.1/40

All: 79.725+/-0.008 χ^2/NDF: 1962089.2/76



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 22.488+/-83.241 χ^2/NDF:32.9/19

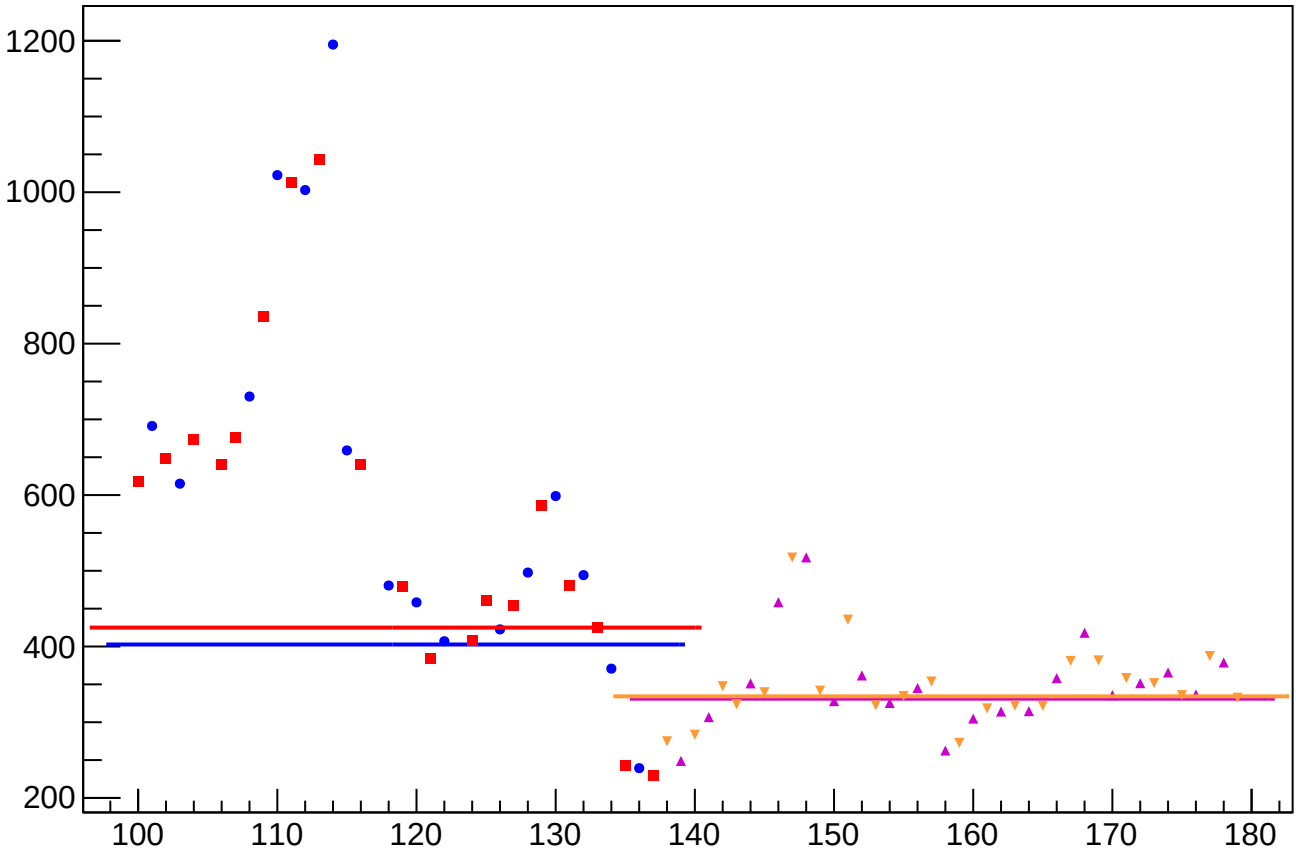
Left: 19.836+/-58.020 χ^2/NDF: 54.3/41

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -30.486+/-74.205 χ^2/NDF:44.8/35

Out: -21.992+/-73.099 χ^2/NDF:39.3/40

All: -26.175+/-52.075 χ^2/NDF: 84.1/76



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 331.116+/-0.059 χ^2/NDF:829951.5/19

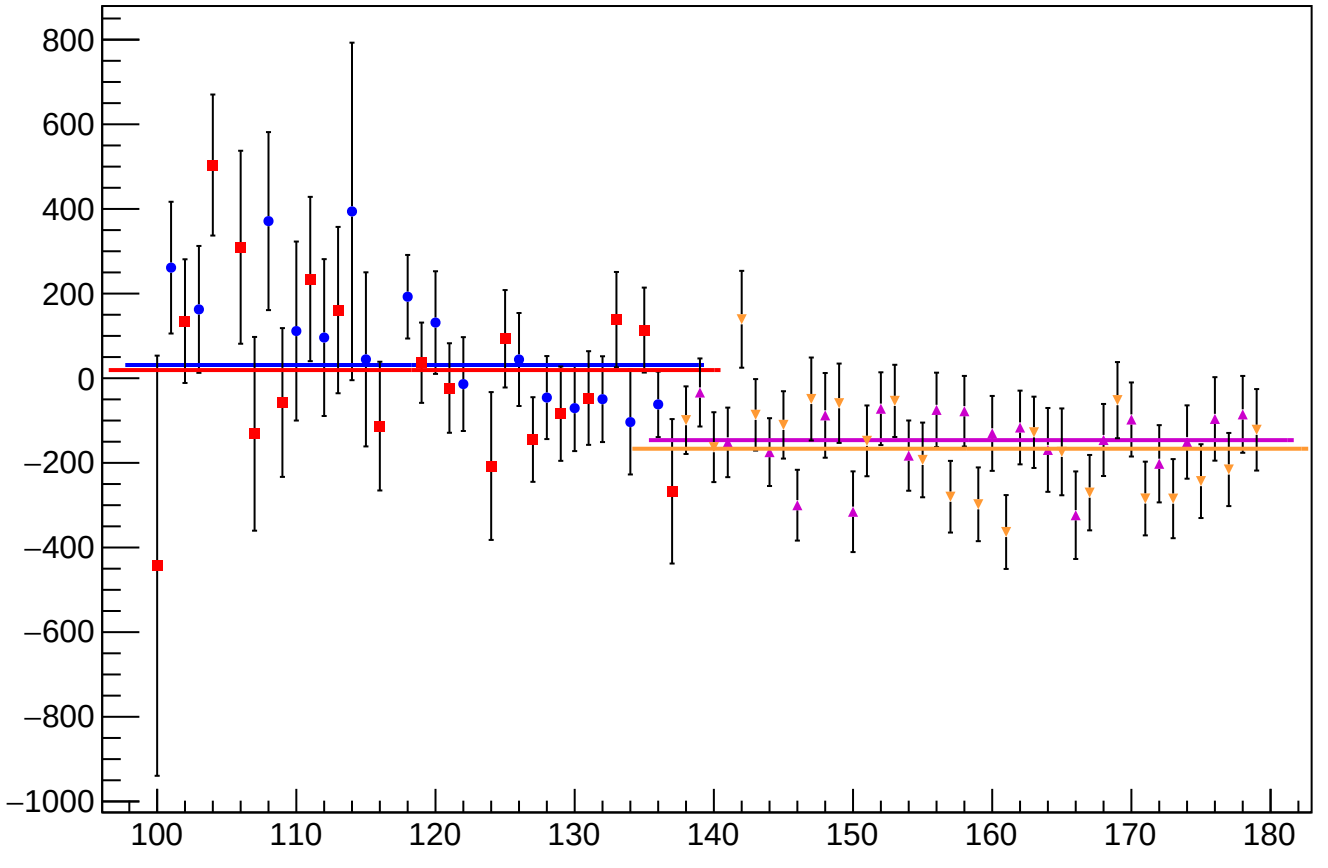
Left: 332.690+/-0.041 χ^2/NDF: 1444772.6/41

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.805+/-0.052 χ^2/NDF:3493362.9/35

Out: 350.871+/-0.052 χ^2/NDF:3417551.1/40

All: 348.376+/-0.037 χ^2/NDF: 6915646.3/76



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -166.606+/-18.857 χ^2/NDF:31.0/21

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -146.279+/-19.744 χ^2/NDF:15.8/19

Left: -156.909+/-13.637 χ^2/NDF: 47.3/41

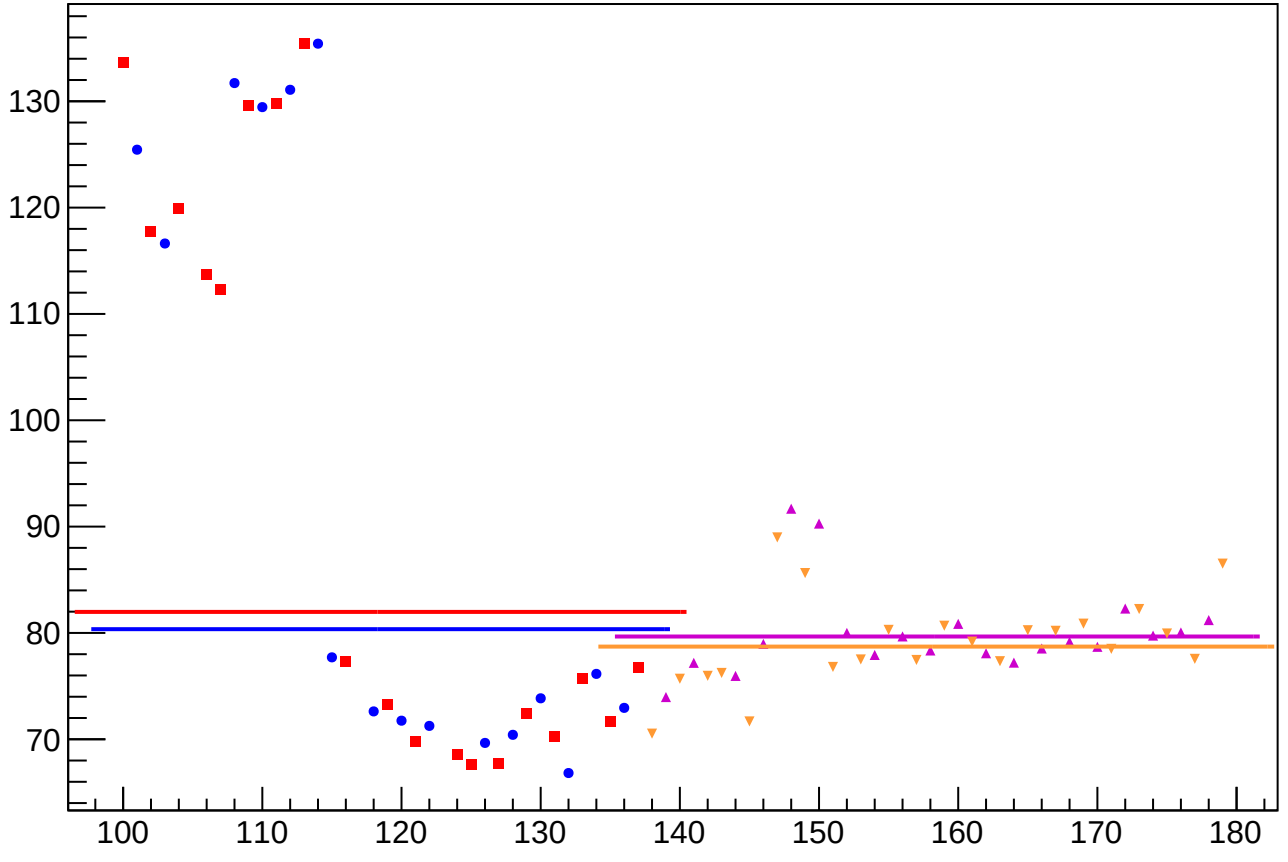
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.539+/-16.620 χ^2/NDF:54.4/35

Out: -116.540+/-16.119 χ^2/NDF:82.9/40

All: -105.876+/-11.571 χ^2/NDF: 138.2/76

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.715+/-0.013 χ^2/NDF:98092.9/21

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.664+/-0.014 χ^2/NDF:76379.4/19

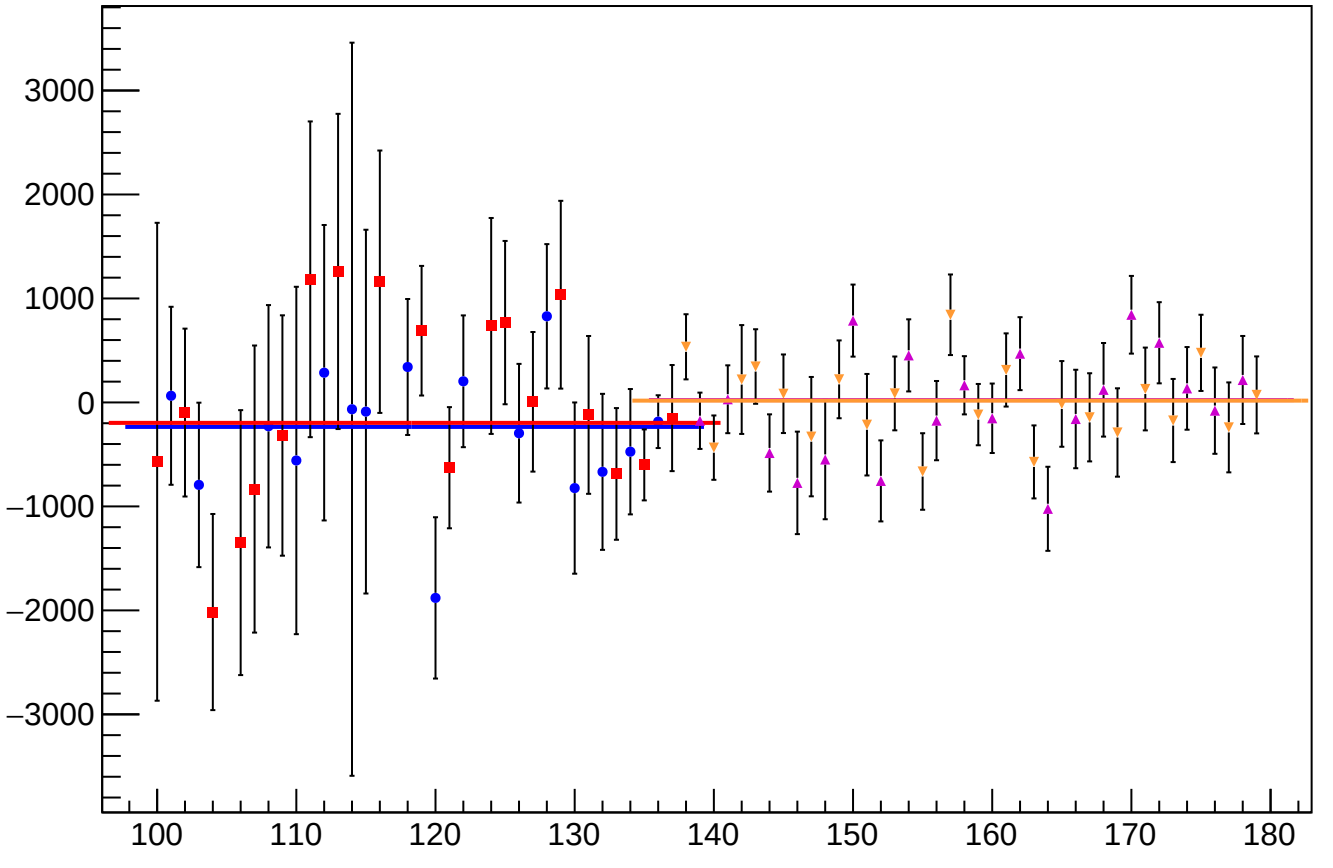
Left: 79.168+/-0.010 χ^2/NDF: 176886.5/41

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.865+/-0.012 χ^2/NDF:917131.2/35

Out: 79.594+/-0.011 χ^2/NDF:1044684.1/40

All: 79.725+/-0.008 χ^2/NDF: 1962089.2/76



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 17.331+/-80.913 χ^2/NDF:21.4/21

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 22.488+/-83.241 χ^2/NDF:32.9/19

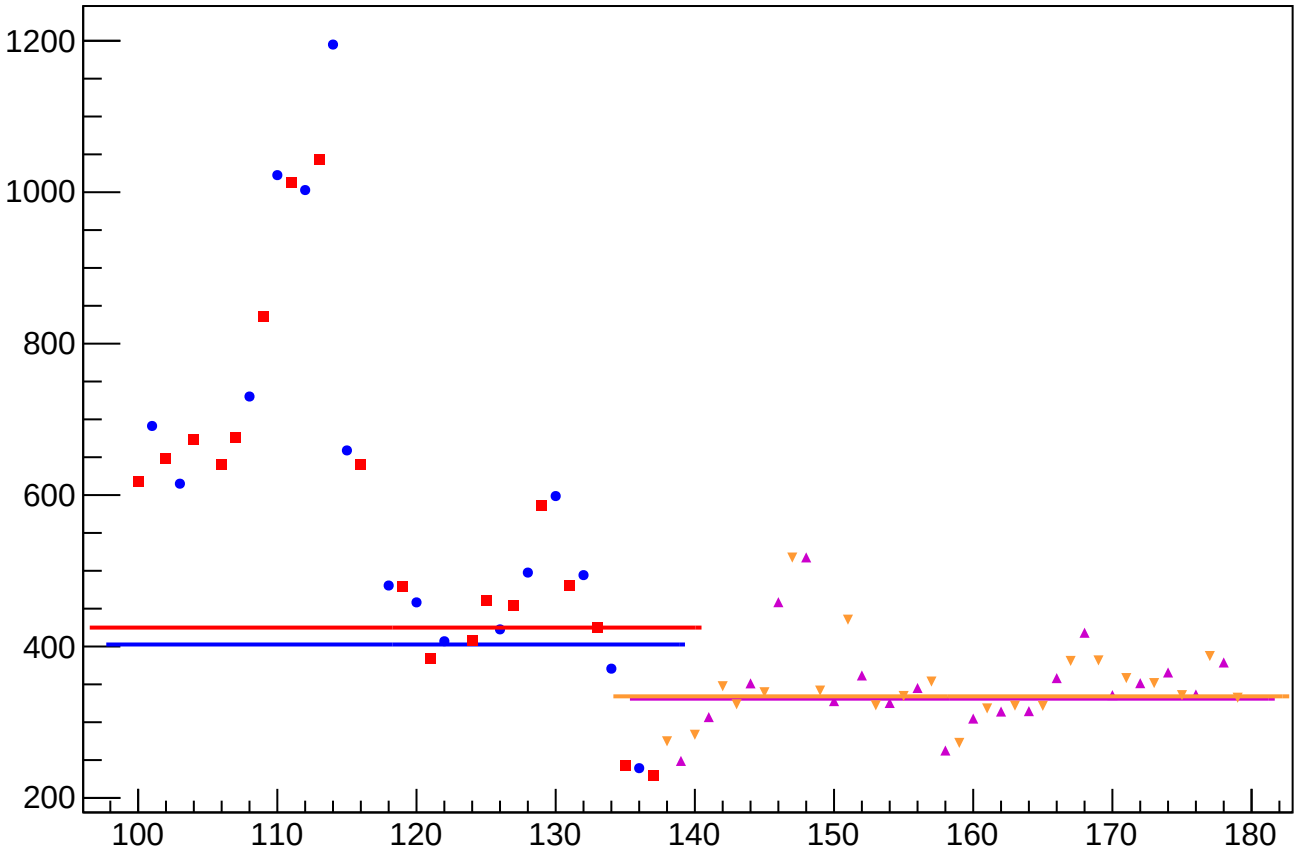
Left: 19.836+/-58.020 χ^2/NDF: 54.3/41

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -30.486+/-74.205 χ^2/NDF:44.8/35

Out: -21.992+/-73.099 χ^2/NDF:39.3/40

All: -26.175+/-52.075 χ^2/NDF: 84.1/76



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.178+/-0.057 χ^2/NDF:613429.4/21

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 331.116+/-0.059 χ^2/NDF:829951.5/19

Left: 332.690+/-0.041 χ^2/NDF: 1444772.6/41

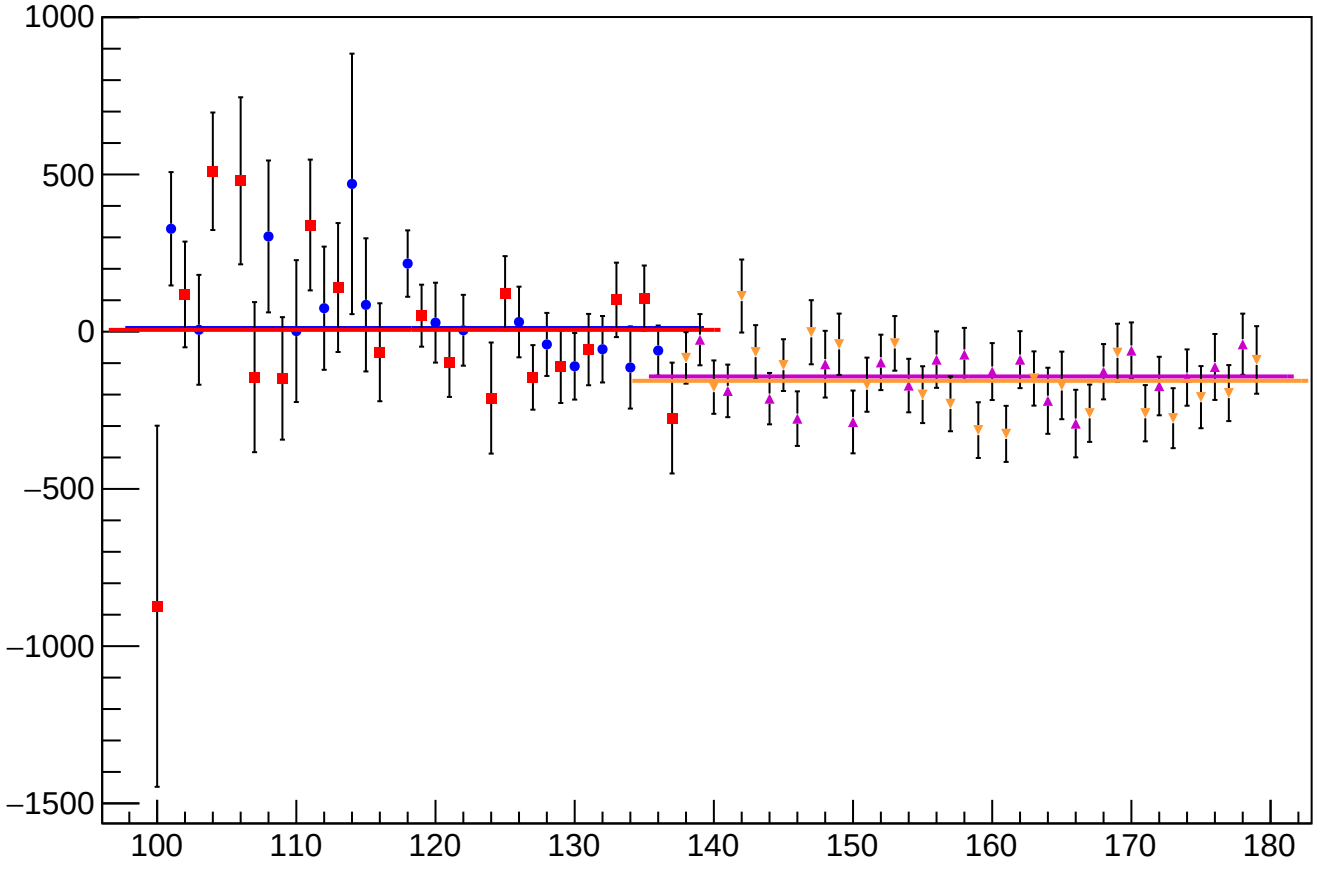
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.805+/-0.052 χ^2/NDF:3493362.9/35

Out: 350.871+/-0.052 χ^2/NDF:3417551.1/40

All: 348.376+/-0.037 χ^2/NDF: 6915646.3/76

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -142.342+/-20.382 χ^2/NDF:14.2/19

Left: -149.537+/-14.089 χ^2/NDF: 41.4/41

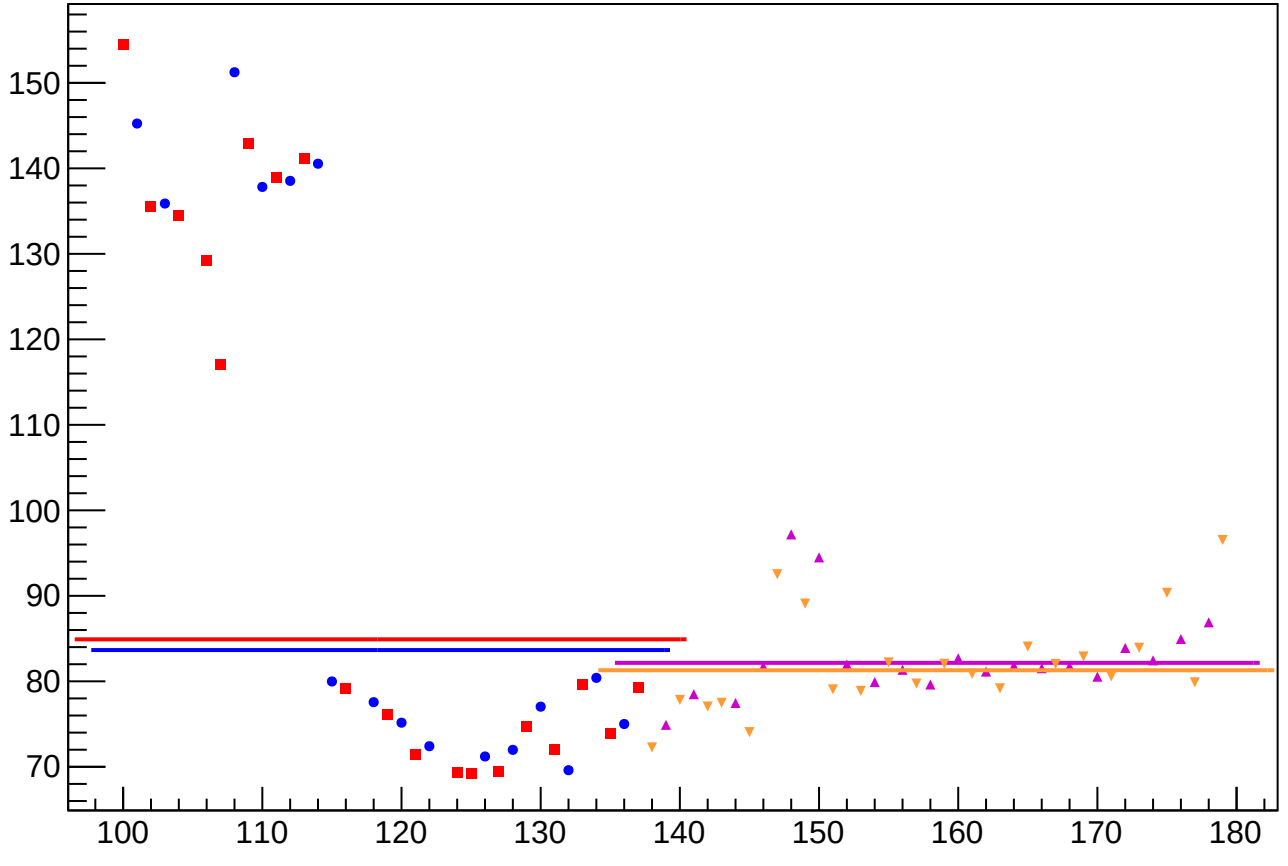
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.481+/-17.237 χ^2/NDF:44.0/35

Out: -113.157+/-16.711 χ^2/NDF:74.1/40

All: -106.046+/-11.998 χ^2/NDF: 118.4/76

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 81.297+/-0.014 χ^2/NDF:153172.7/21

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.162+/-0.014 χ^2/NDF:108340.7/19

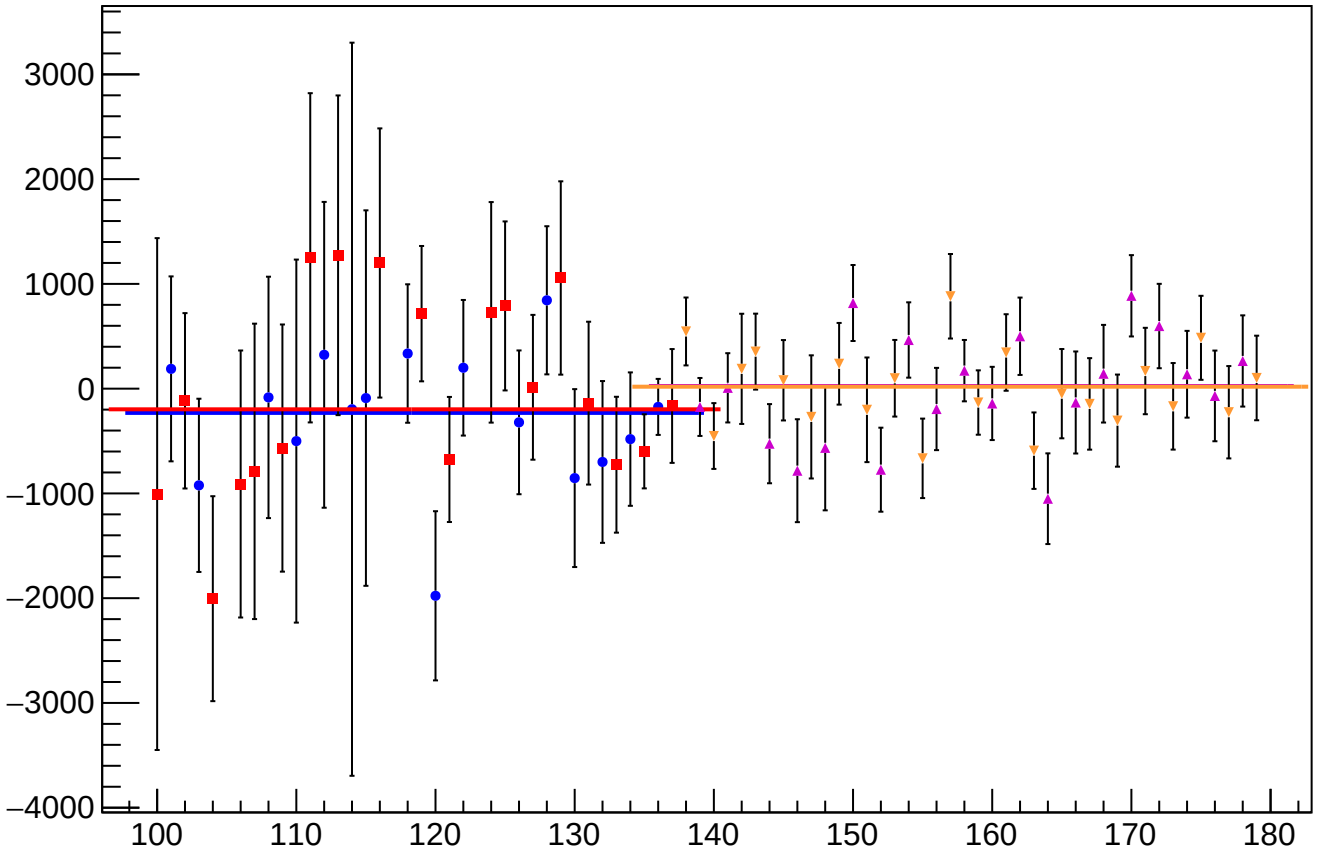
Left: 81.710+/-0.010 χ^2/NDF: 263394.7/41

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.588+/-0.012 χ^2/NDF:1146201.3/35

Out: 82.256+/-0.012 χ^2/NDF:1293098.0/40

All: 82.417+/-0.008 χ^2/NDF: 2439680.7/76



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 18.725+/-83.767 χ^2/NDF:21.1/21

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 25.406+/-86.130 χ^2/NDF:32.7/19

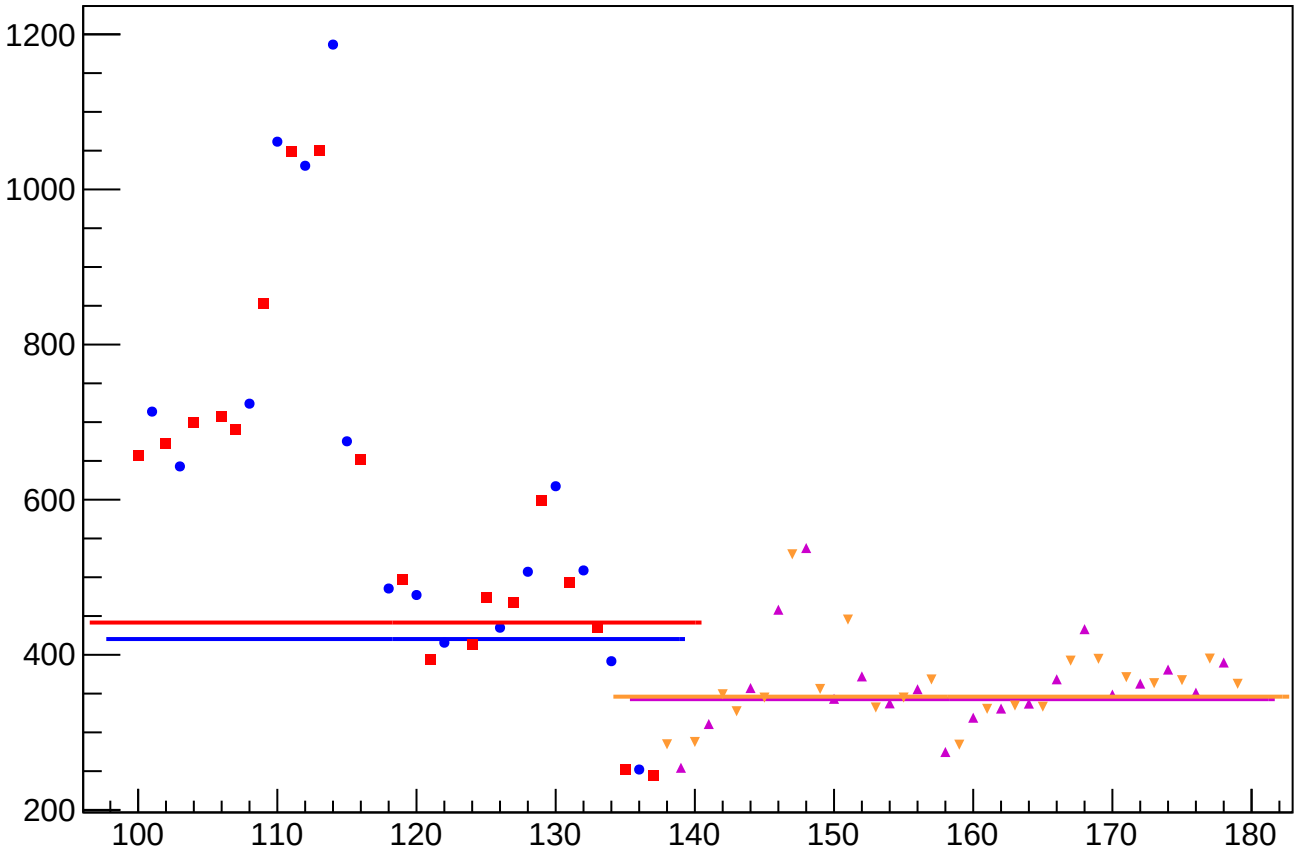
Left: 21.973+/-60.051 χ^2/NDF: 53.8/41

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -26.986+/-76.844 χ^2/NDF:44.9/35

Out: -21.122+/-75.644 χ^2/NDF:38.2/40

All: -24.008+/-53.908 χ^2/NDF: 83.2/76



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 346.049+/-0.059 χ^2/NDF:611732.6/21

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 342.828+/-0.061 χ^2/NDF:810157.1/19

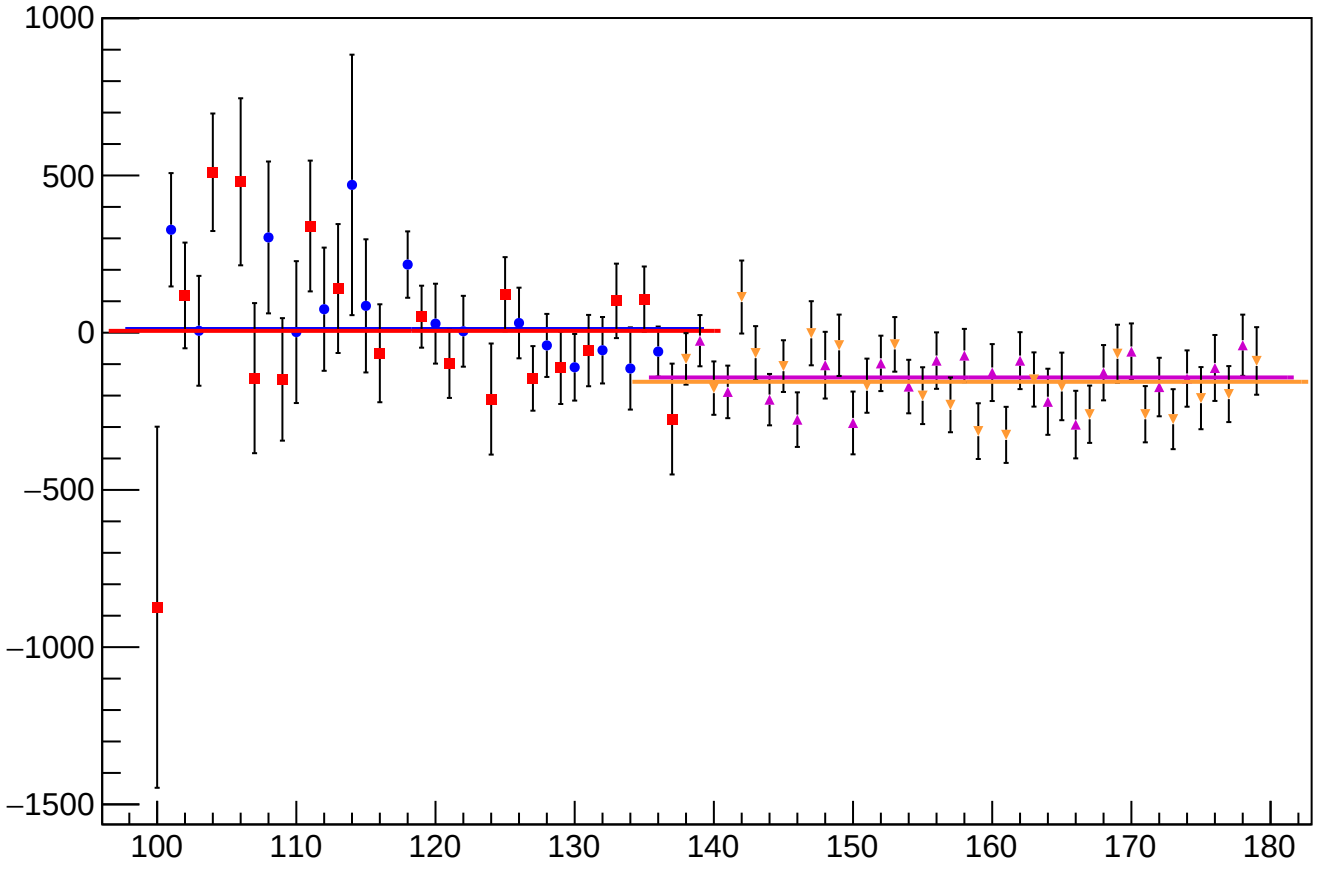
Left: 344.483+/-0.042 χ^2/NDF: 1423327.0/41

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 358.639+/-0.054 χ^2/NDF:3395121.4/35

Out: 363.681+/-0.053 χ^2/NDF:3399506.8/40

All: 361.200+/-0.038 χ^2/NDF: 6799001.4/76



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -156.121+/-19.497 χ^2/NDF:27.0/21

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -142.342+/-20.382 χ^2/NDF:14.2/19

Left: -149.537+/-14.089 χ^2/NDF: 41.4/41

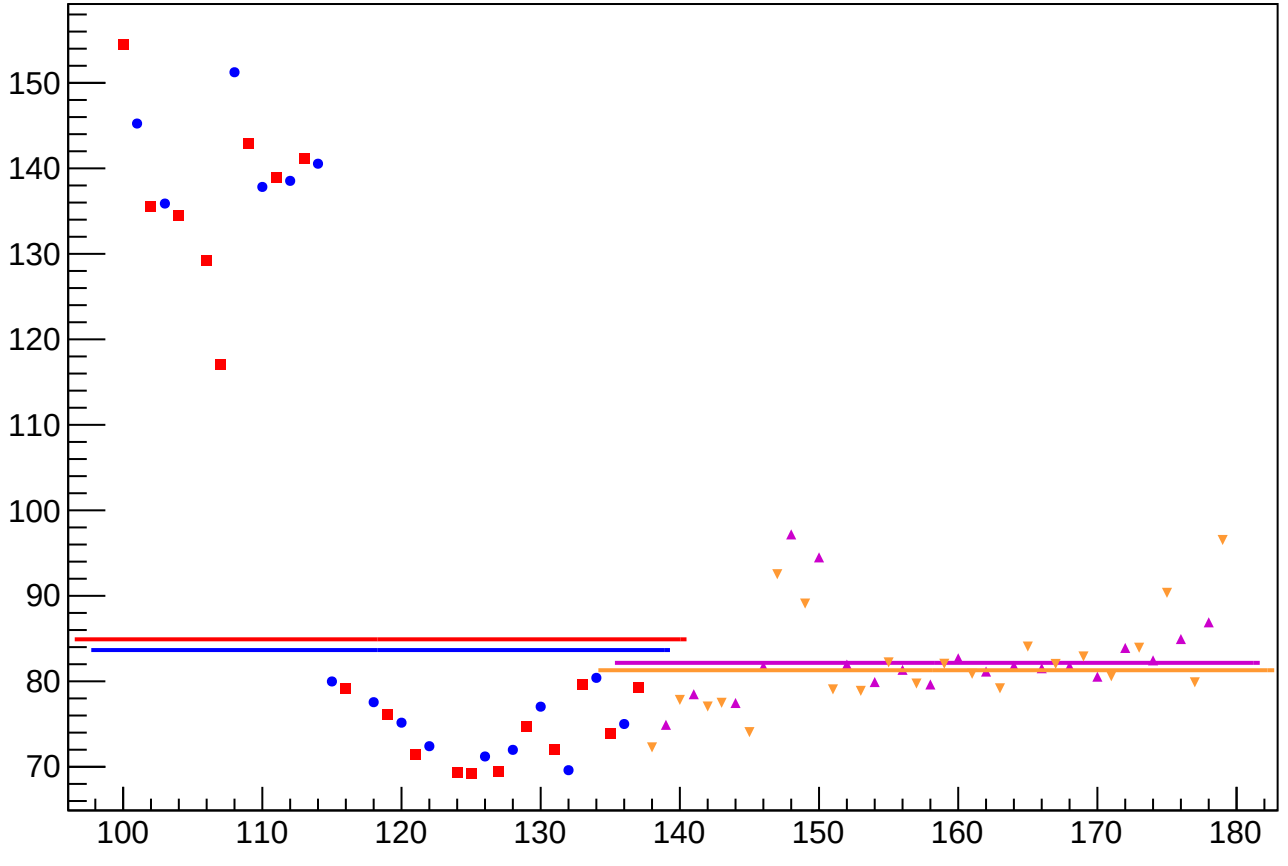
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.481+/-17.237 χ^2/NDF:44.0/35

Out: -113.157+/-16.711 χ^2/NDF:74.1/40

All: -106.046+/-11.998 χ^2/NDF: 118.4/76

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 81.297+/-0.014 χ^2/NDF:153173.0/21

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.162+/-0.014 χ^2/NDF:108339.7/19

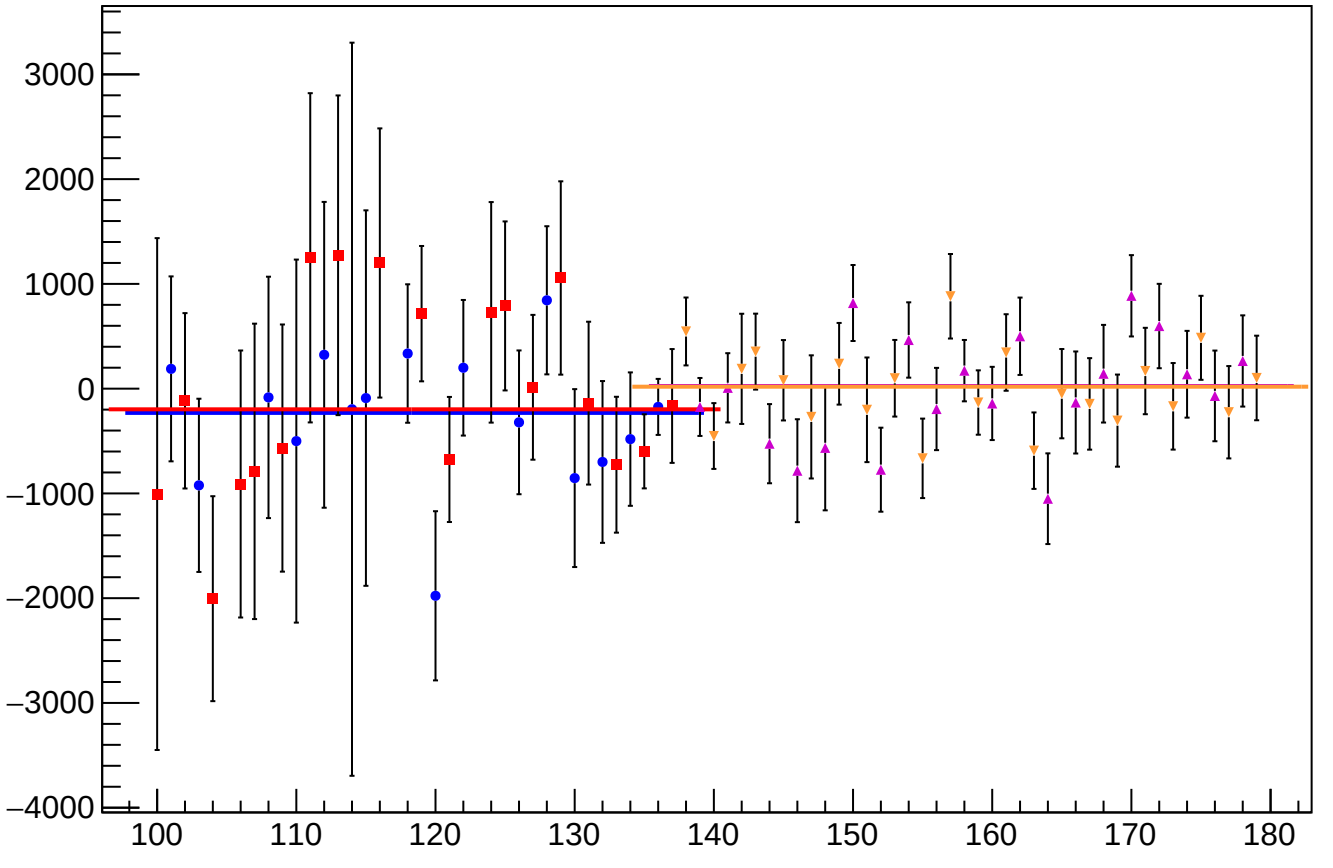
Left: 81.710+/-0.010 χ^2/NDF: 263394.1/41

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.588+/-0.012 χ^2/NDF:1146199.6/35

Out: 82.256+/-0.012 χ^2/NDF:1293096.7/40

All: 82.417+/-0.008 χ^2/NDF: 2439677.7/76



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 18.726+/-83.767 χ^2/NDF:21.1/21

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 25.406+/-86.130 χ^2/NDF:32.7/19

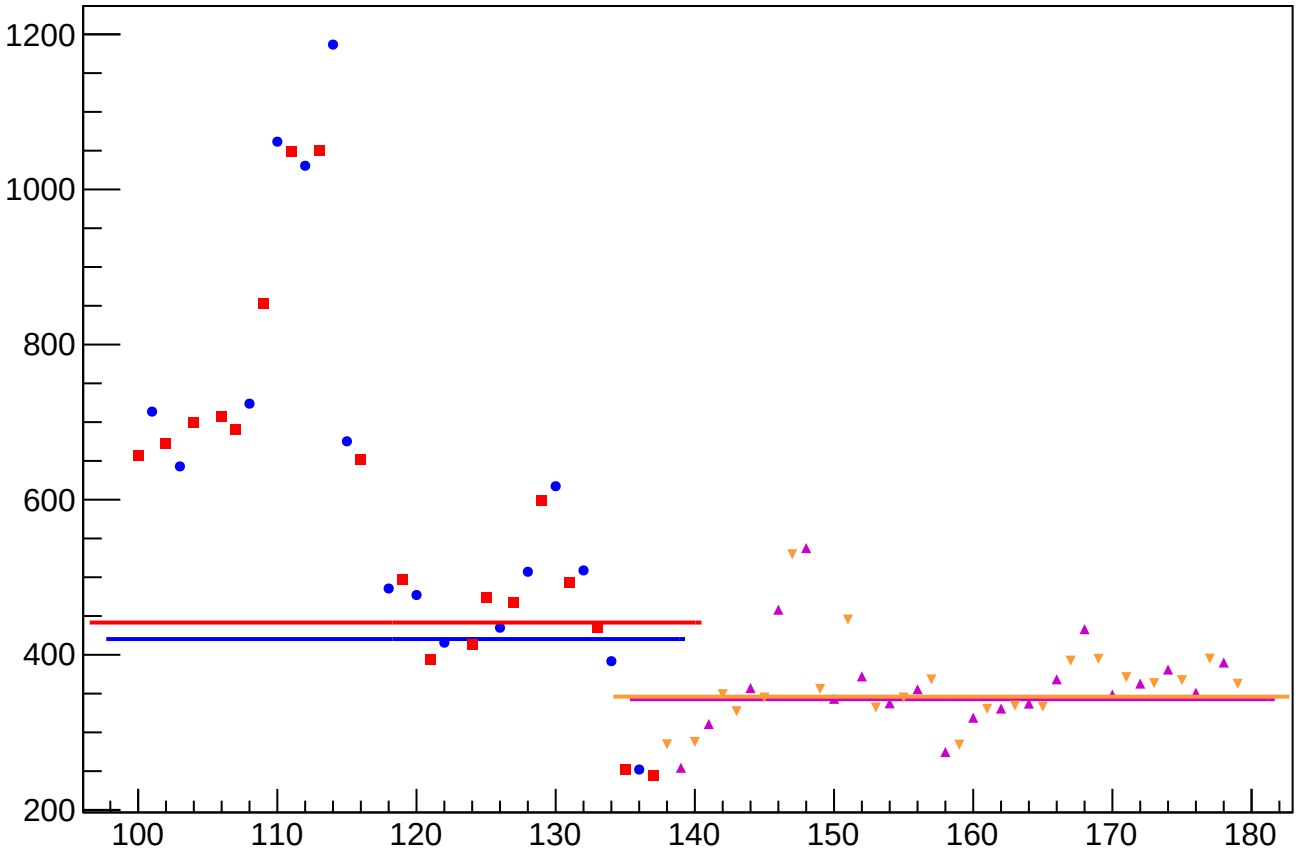
Left: 21.973+/-60.050 χ^2/NDF: 53.8/41

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -26.985+/-76.844 χ^2/NDF:44.9/35

Out: -21.122+/-75.644 χ^2/NDF:38.2/40

All: -24.007+/-53.908 χ^2/NDF: 83.2/76



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 346.049+/-0.059 χ^2/NDF:611734.1/21

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 342.828+/-0.061 χ^2/NDF:810160.0/19

Left: 344.483+/-0.042 χ^2/NDF: 1423331.5/41

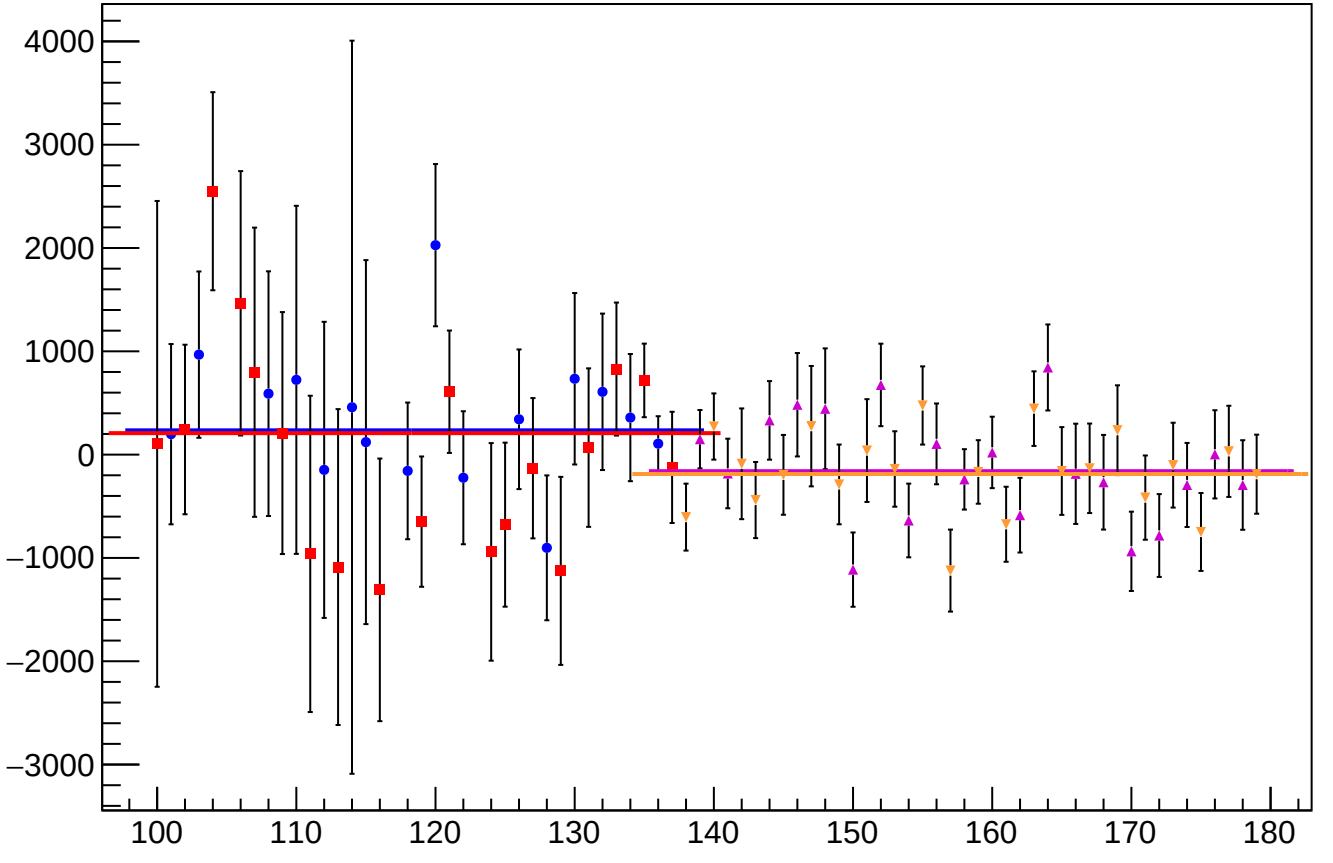
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 358.639+/-0.054 χ^2/NDF:3395125.3/35

Out: 363.681+/-0.053 χ^2/NDF:3399508.5/40

All: 361.199+/-0.038 χ^2/NDF: 6799007.0/76

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -187.815+/-83.256 χ^2/NDF:22.4/21

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -160.225+/-85.768 χ^2/NDF:33.7/19

Left: -174.430+/-59.739 χ^2/NDF: 56.2/41

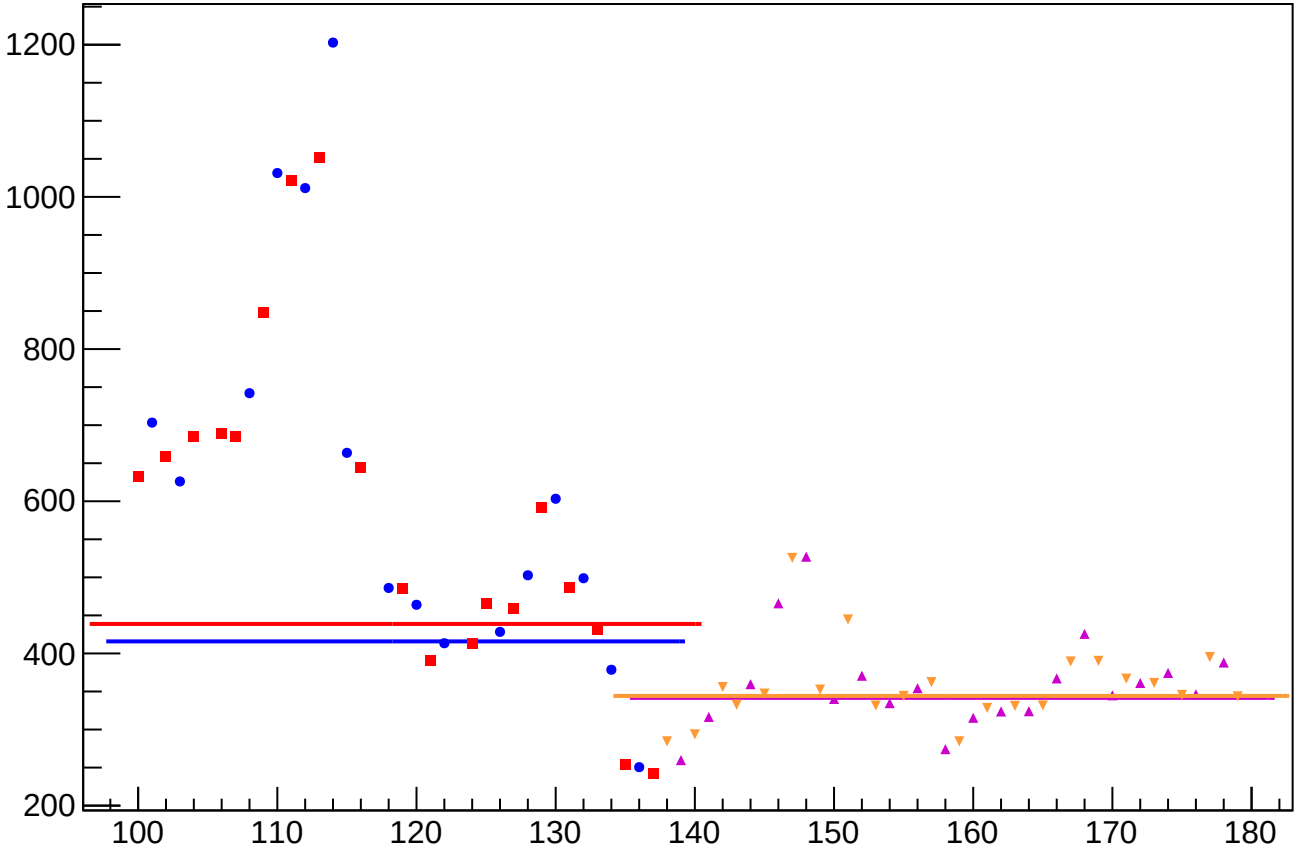
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -78.655+/-76.408 χ^2/NDF:48.8/35

Out: -114.580+/-75.159 χ^2/NDF:47.0/40

All: -96.913+/-53.582 χ^2/NDF: 95.9/76

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 344.190+/-0.059 χ^2/NDF:567795.7/21

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 341.612+/-0.061 χ^2/NDF:761609.1/19

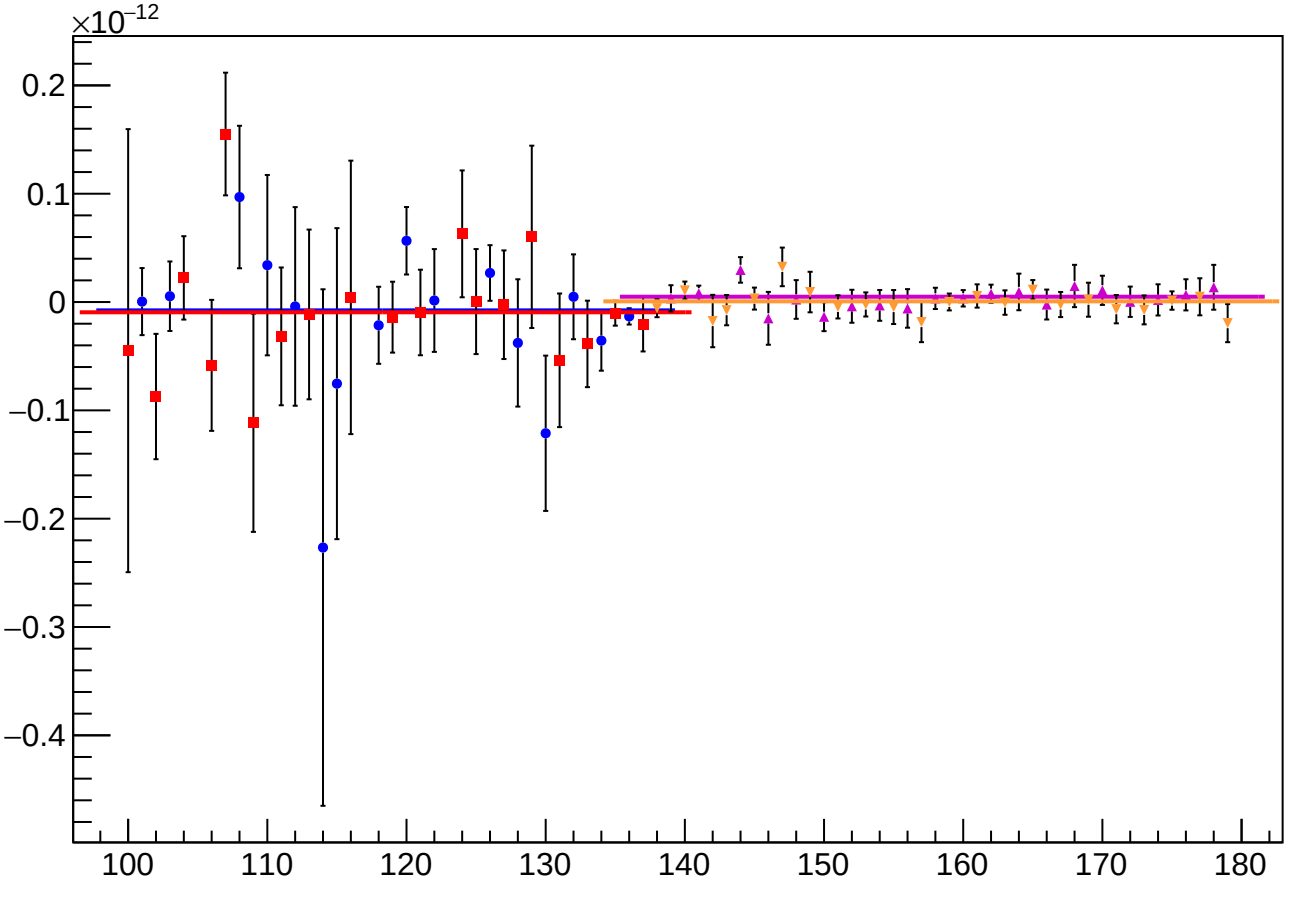
Left: 342.939+/-0.042 χ^2/NDF: 1330335.4/41

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.930+/-0.054 χ^2/NDF:3294686.4/35

Out: 361.693+/-0.053 χ^2/NDF:3280233.4/40

All: 359.351+/-0.038 χ^2/NDF: 6578870.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/19

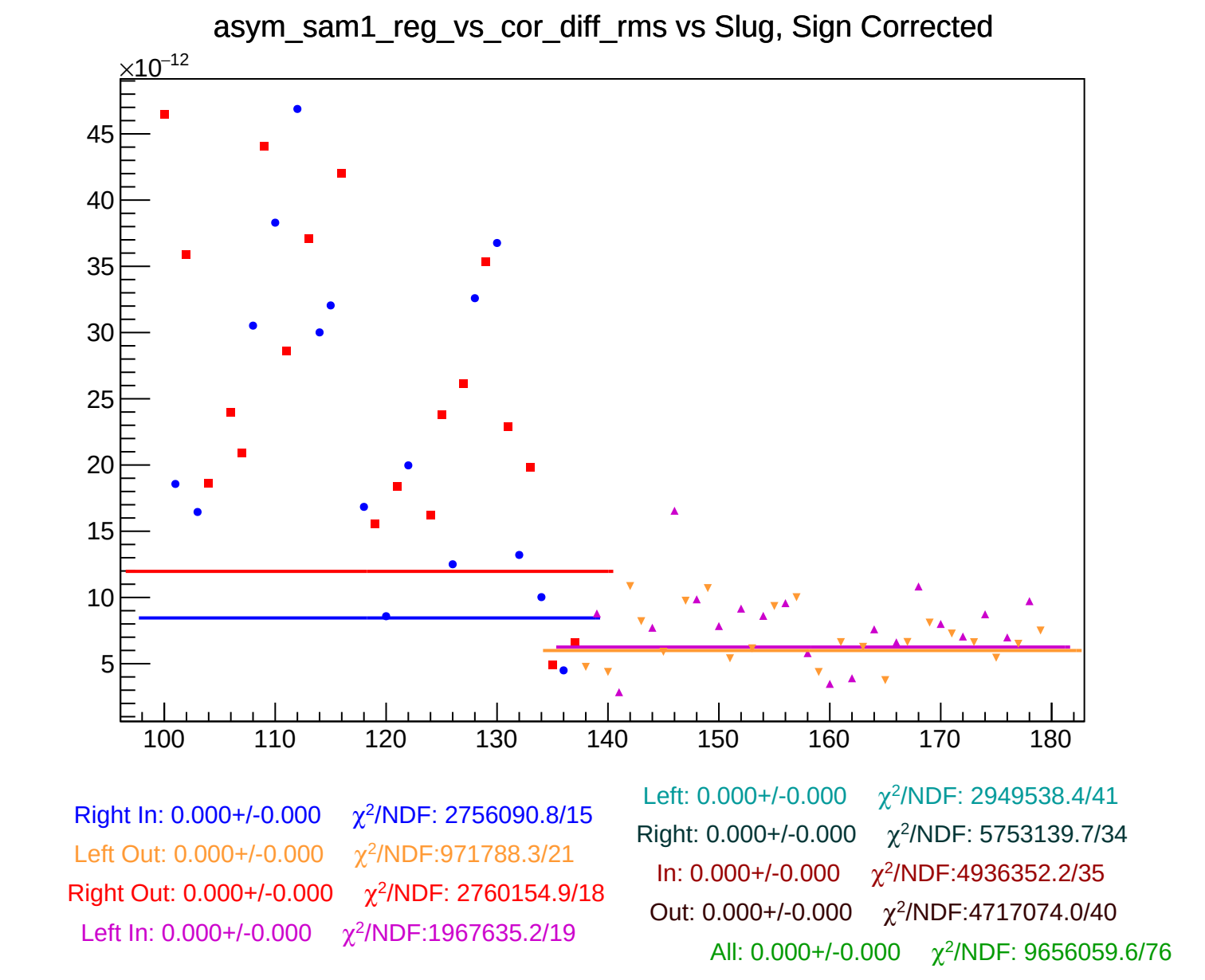
Left: 0.000+/-0.000 χ^2/NDF: 22.6/41

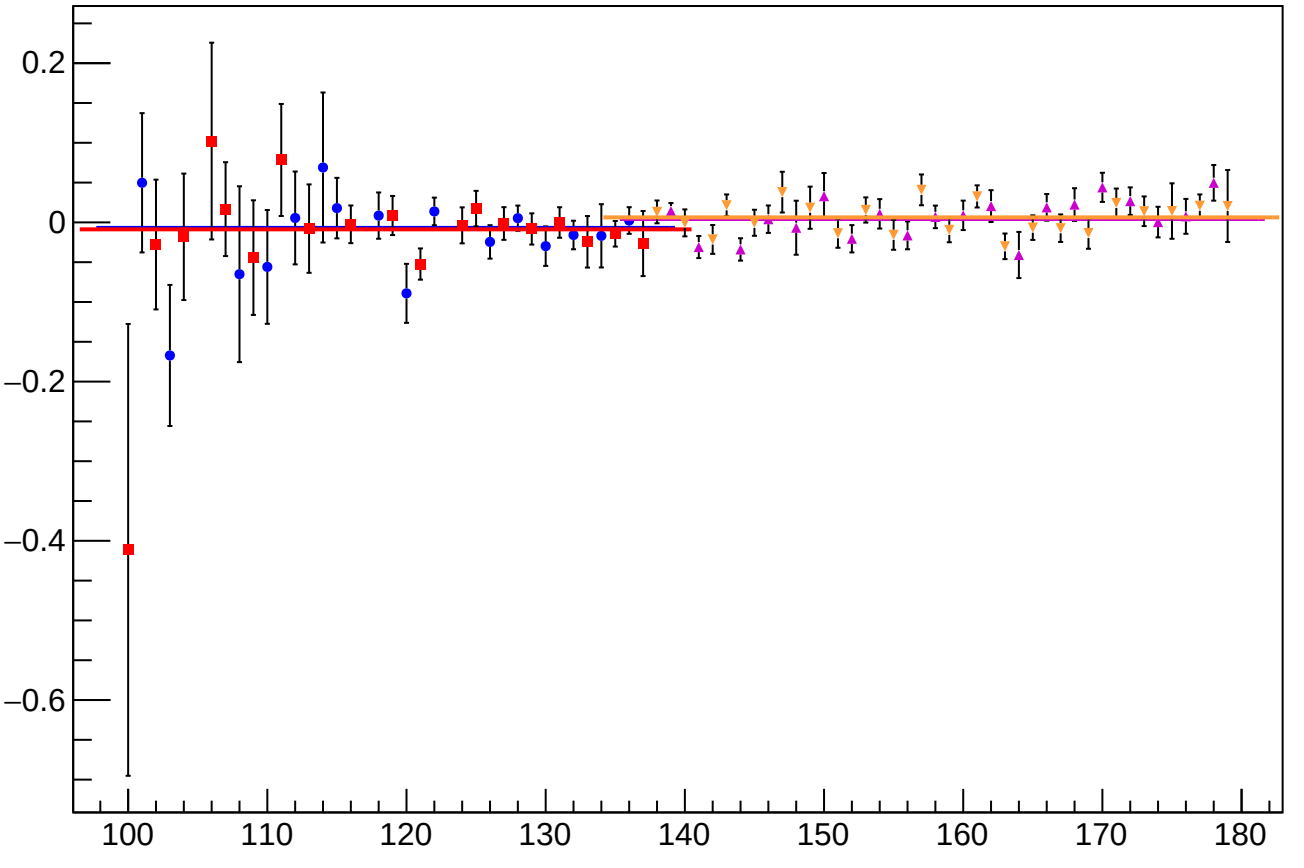
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.8/35

Out: -0.000+/-0.000 χ^2/NDF:29.4/40

All: 0.000+/-0.000 χ^2/NDF: 58.0/76


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:971788.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1967635.2/19
Left: 0.000+/-0.000 χ²/NDF: 2949538.4/41
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4936352.2/35
Out: 0.000+/-0.000 χ²/NDF:4717074.0/40
All: 0.000+/-0.000 χ²/NDF: 9656059.6/76



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/19

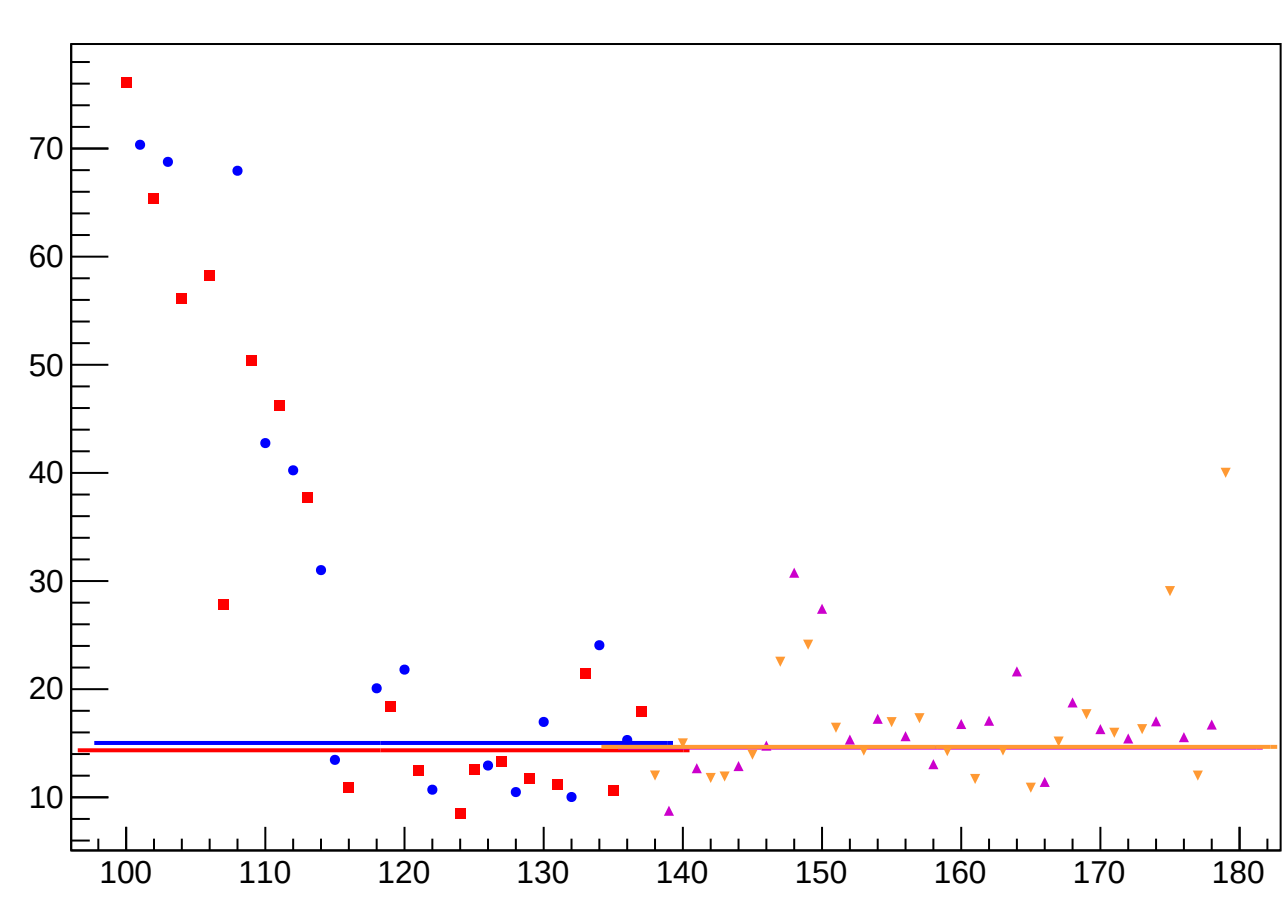
Left: 0.005+/-0.003 χ^2/NDF: 61.3/41

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/76



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

Left: 14.631+/-0.002 χ^2/NDF: 4134705.5/41

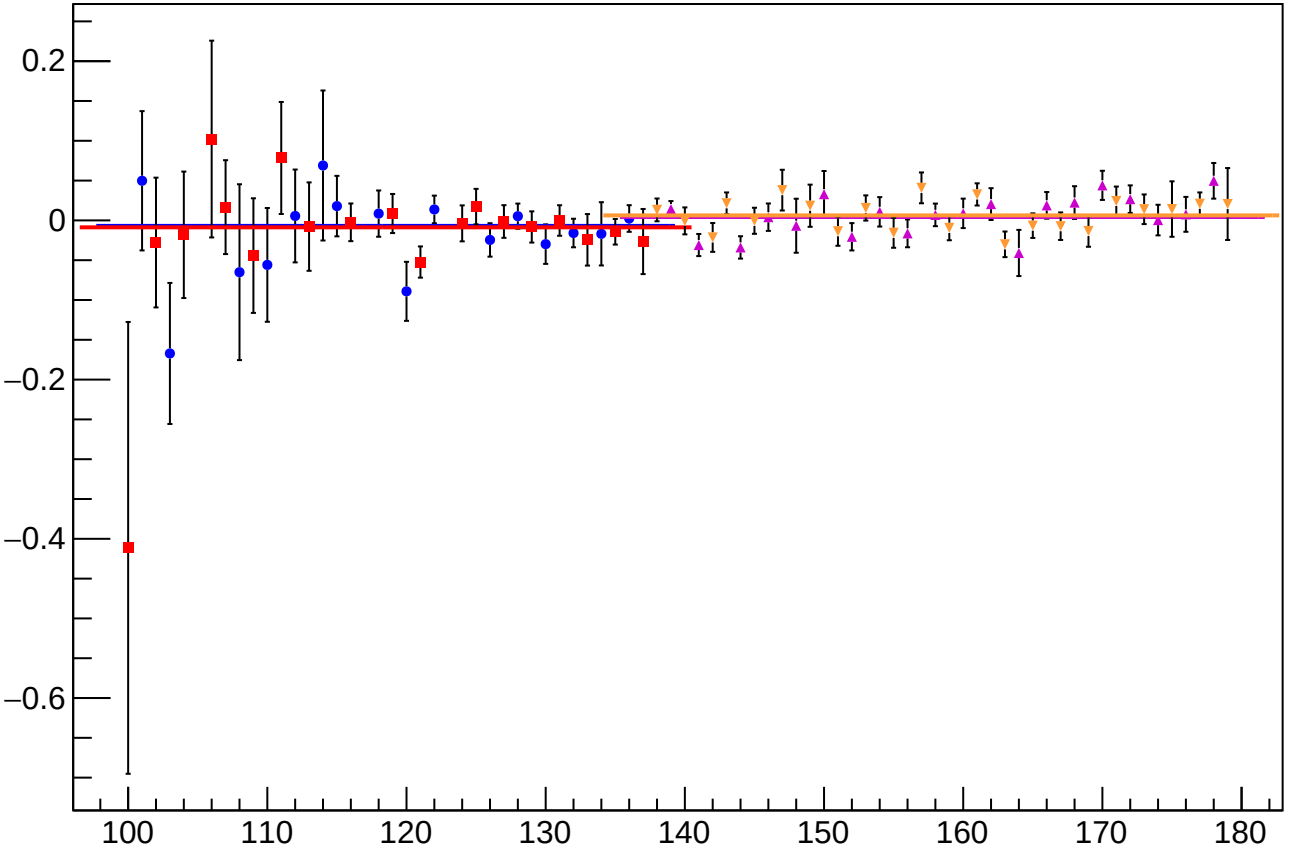
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.703+/-0.002 χ^2/NDF:5515324.0/35

Out: 14.583+/-0.002 χ^2/NDF:5696090.5/40

All: 14.641+/-0.002 χ^2/NDF: 11212739.7/76

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/19

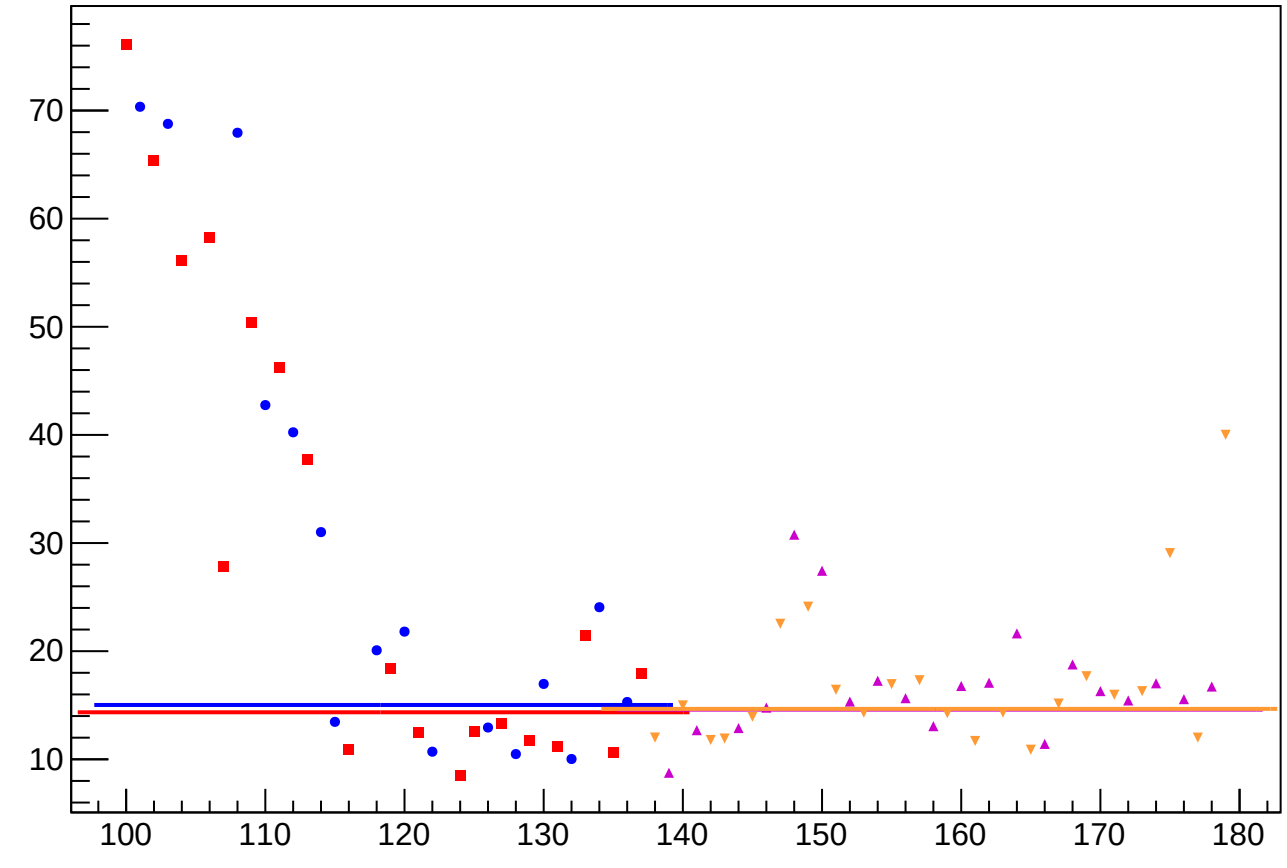
Left: 0.005+/-0.003 χ^2/NDF: 61.3/41

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/76



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.664+/-0.003 χ^2/NDF:2063441.1/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

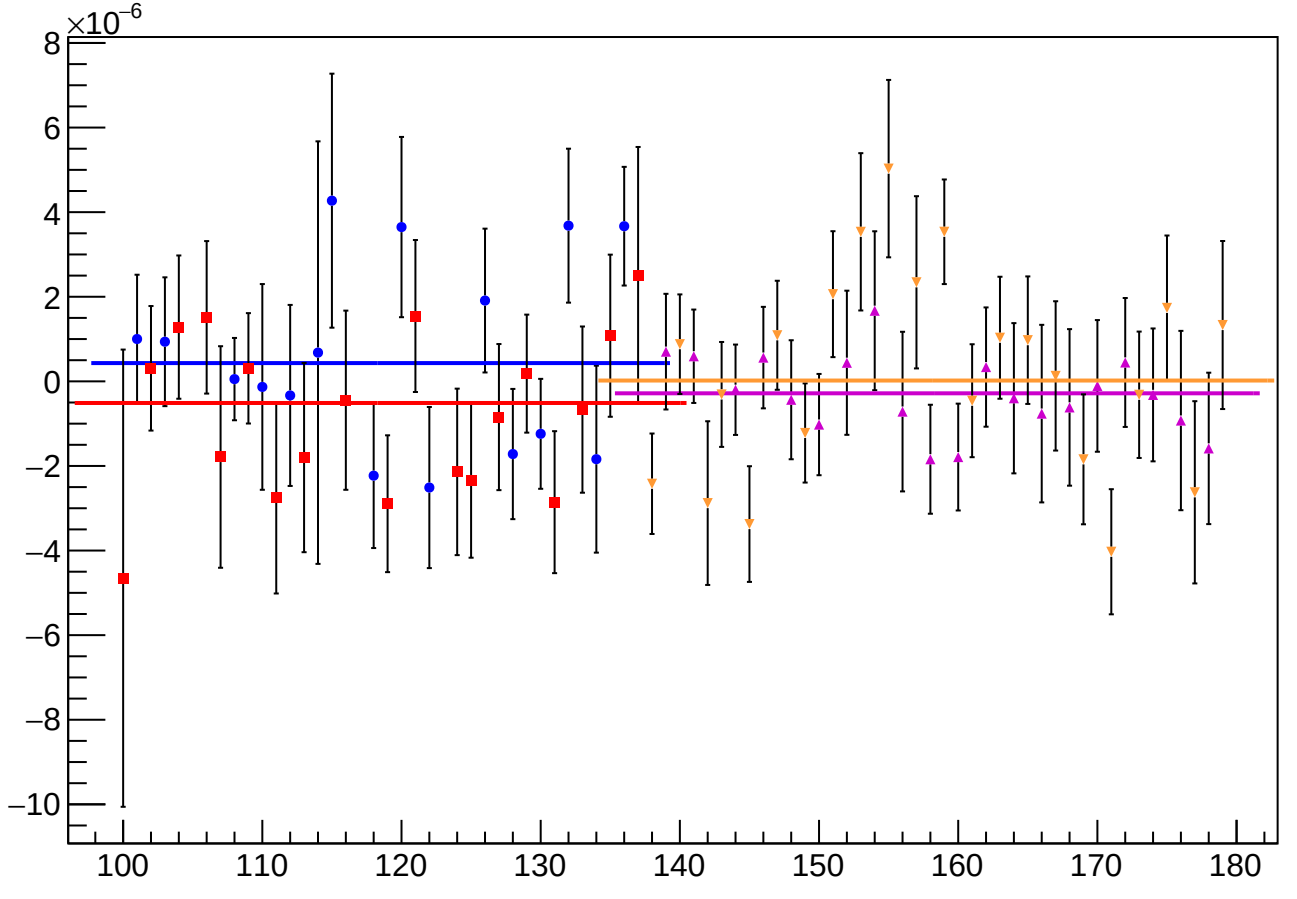
Left: 14.631+/-0.002 χ^2/NDF: 4134705.5/41

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.703+/-0.002 χ^2/NDF:5515324.0/35

Out: 14.583+/-0.002 χ^2/NDF:5696090.5/40

All: 14.641+/-0.002 χ^2/NDF: 11212739.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/19

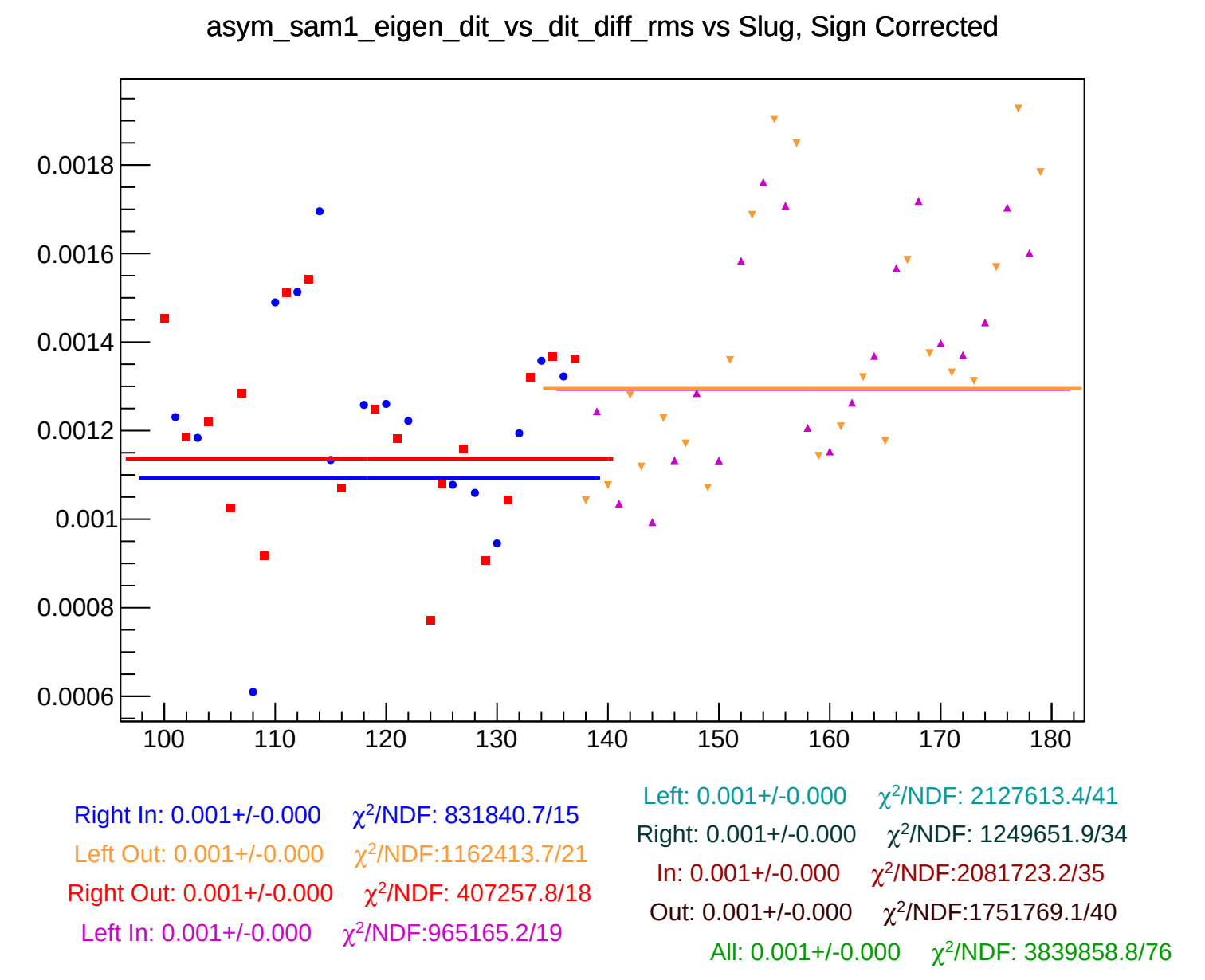
Left: -0.000+/-0.000 χ^2/NDF: 56.4/41

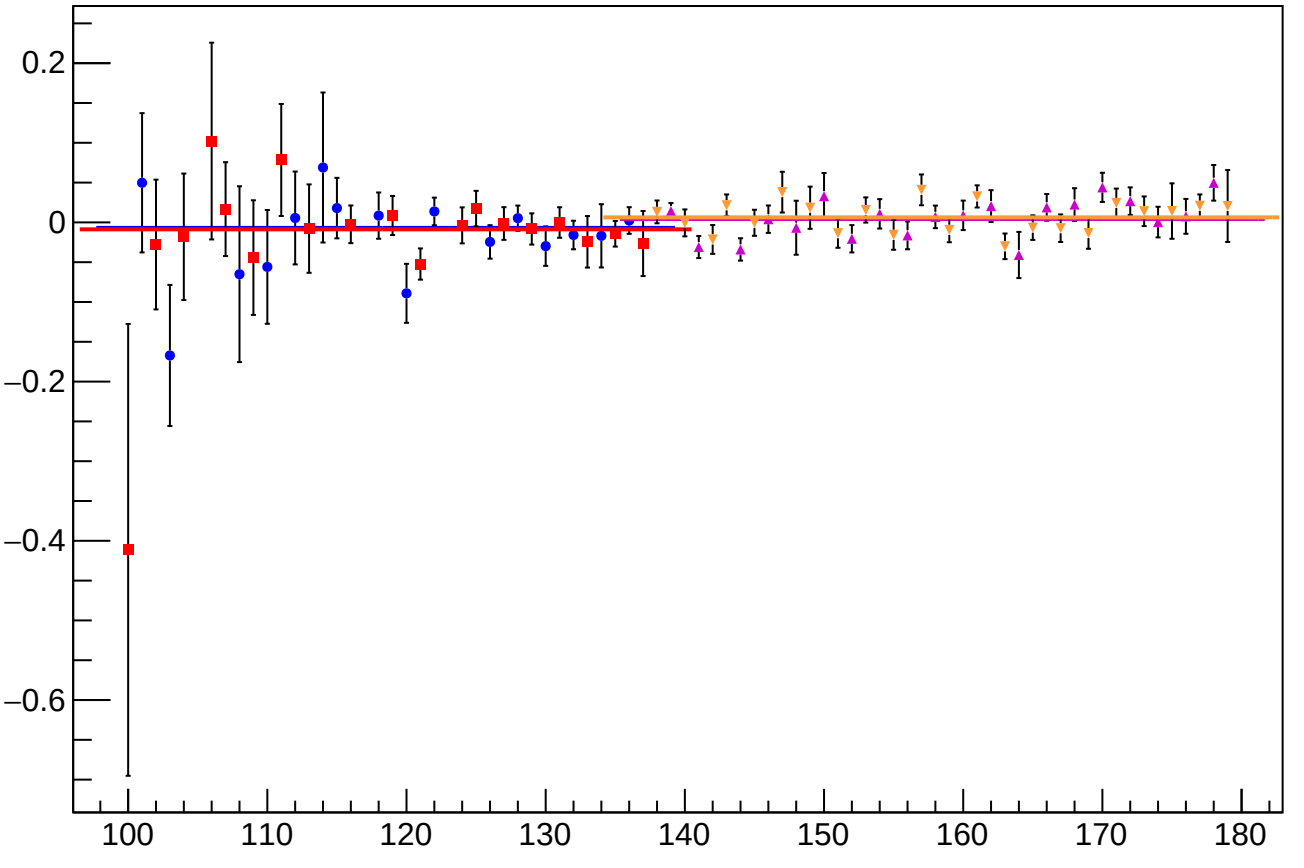
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: -0.000+/-0.000 χ^2/NDF:32.4/35

Out: -0.000+/-0.000 χ^2/NDF:63.9/40

All: -0.000+/-0.000 χ^2/NDF: 96.5/76


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1162413.7/21
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:965165.2/19
Left: 0.001+/-0.000 χ²/NDF: 2127613.4/41
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:2081723.2/35
Out: 0.001+/-0.000 χ²/NDF:1751769.1/40
All: 0.001+/-0.000 χ²/NDF: 3839858.8/76



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/19

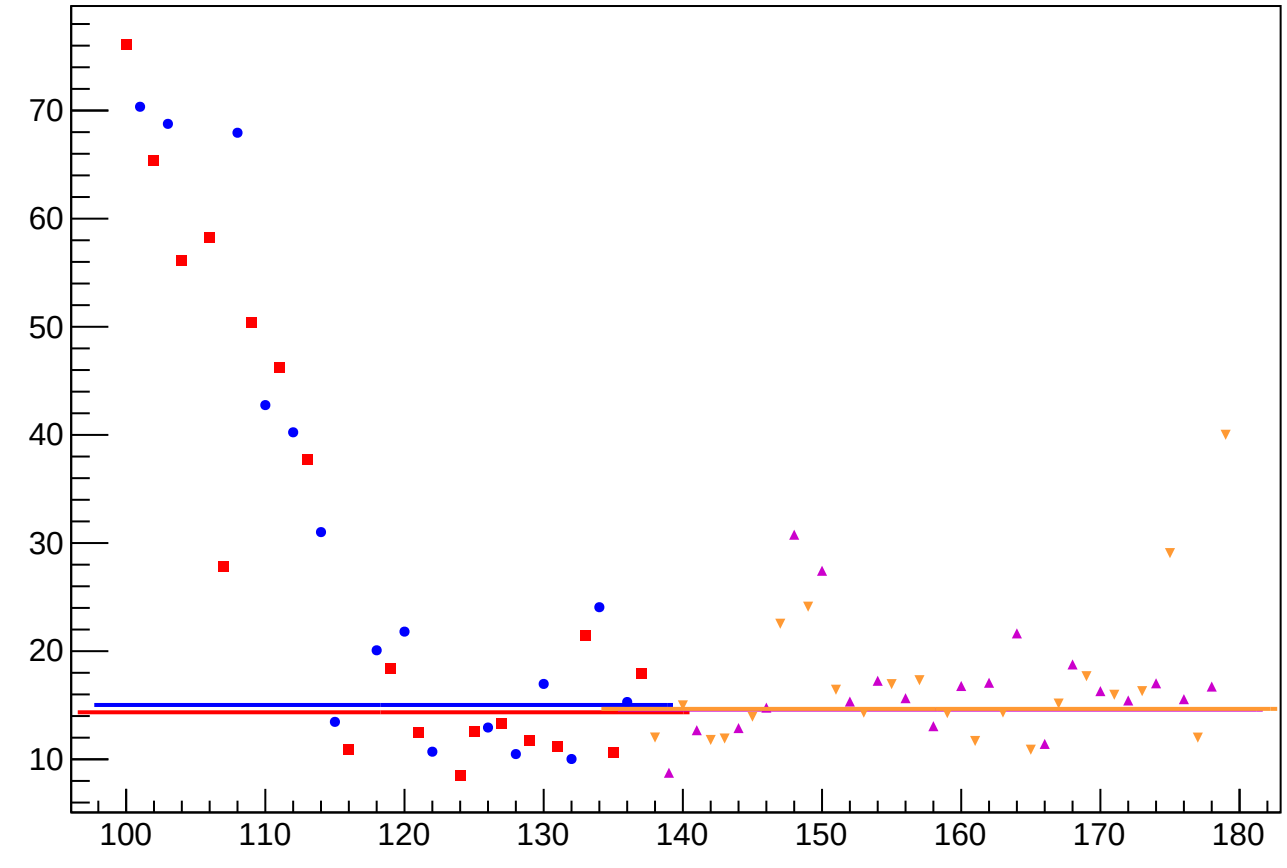
Left: 0.005+/-0.003 χ^2/NDF: 61.3/41

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/76



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.663+/-0.003 χ^2/NDF:2063611.7/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

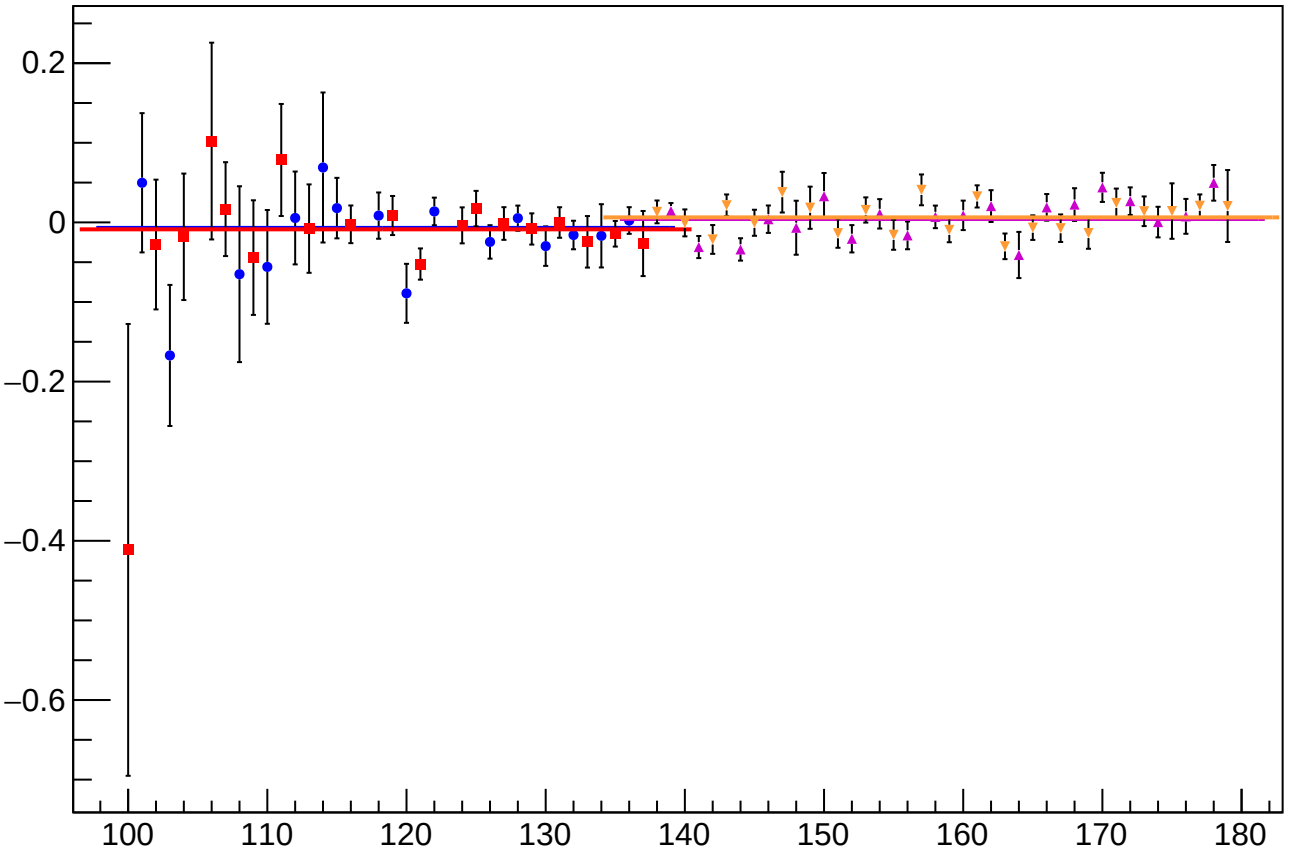
Left: 14.631+/-0.002 χ^2/NDF: 4134911.1/41

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.703+/-0.002 χ^2/NDF:5515377.7/35

Out: 14.583+/-0.002 χ^2/NDF:5696247.8/40

All: 14.640+/-0.002 χ^2/NDF: 11212951.4/76



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.4/21

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.004 χ^2/NDF:34.8/19

Left: 0.005+/-0.003 χ^2/NDF: 61.3/41

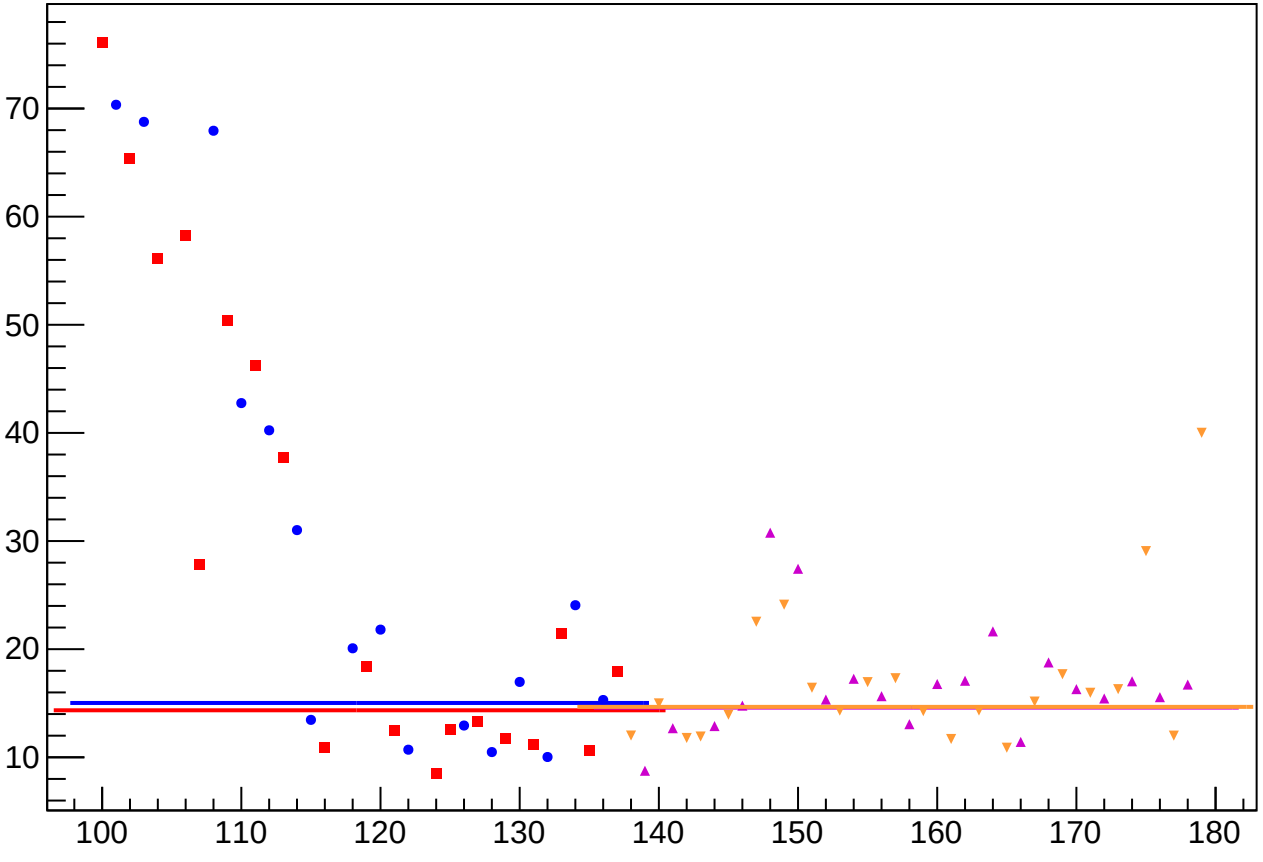
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:43.1/40

All: 0.002+/-0.002 χ^2/NDF: 95.0/76

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.663+/-0.003 χ^2/NDF:2063611.7/21

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

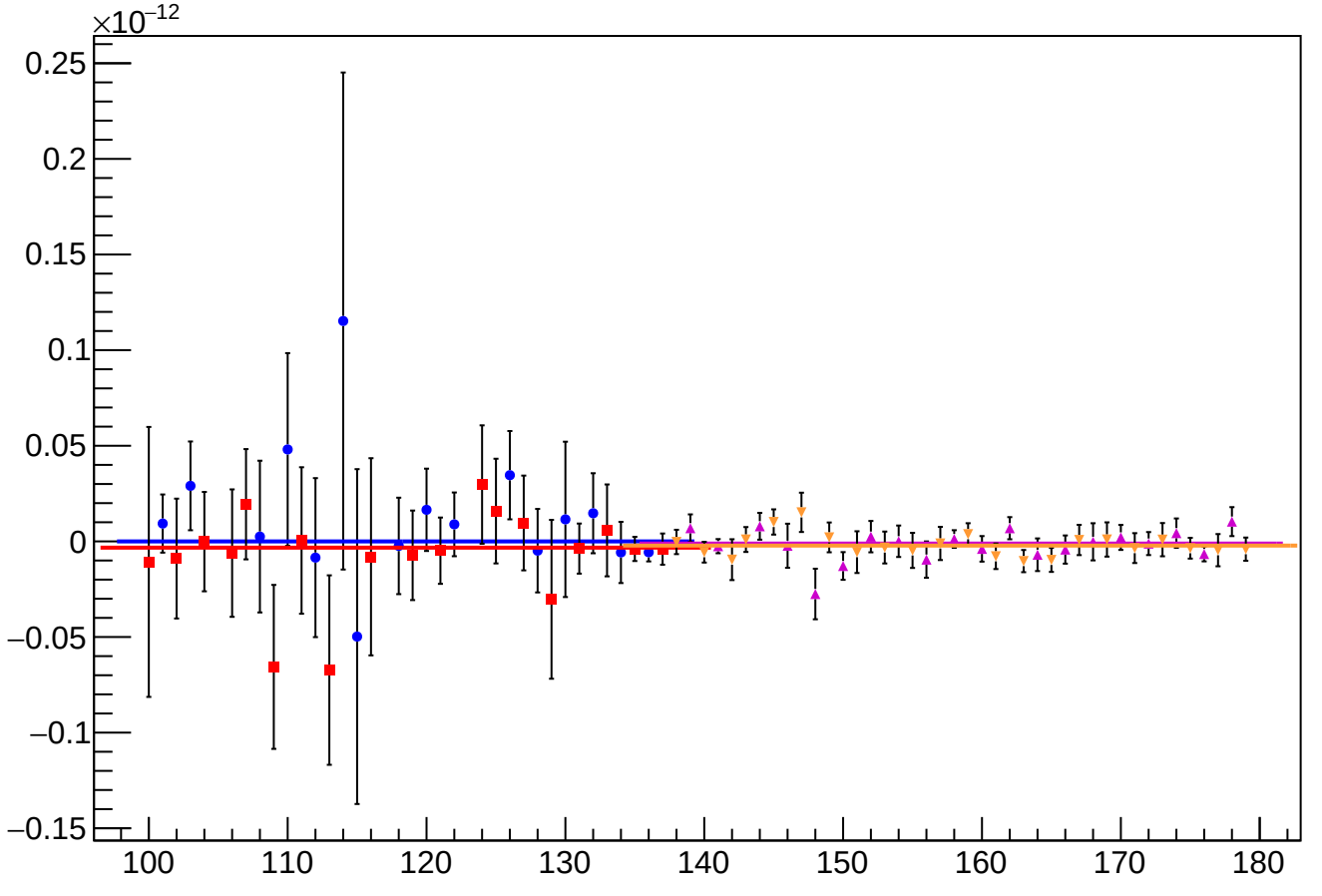
Left: 14.631+/-0.002 χ^2/NDF: 4134911.1/41

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.703+/-0.002 χ^2/NDF:5515377.7/35

Out: 14.583+/-0.002 χ^2/NDF:5696247.8/40

All: 14.640+/-0.002 χ^2/NDF: 11212951.4/76



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/19

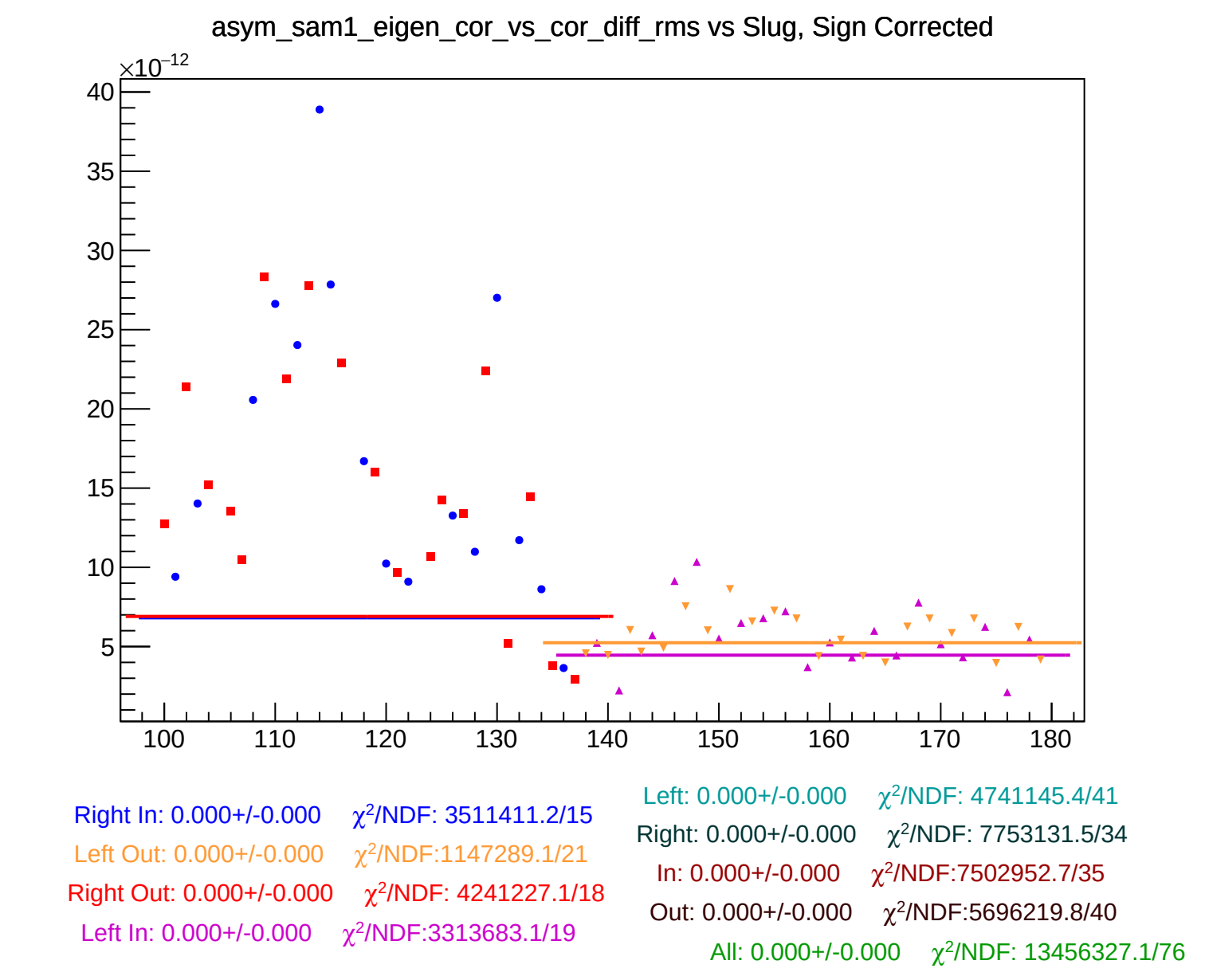
Left: -0.000+/-0.000 χ^2/NDF: 32.9/41

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

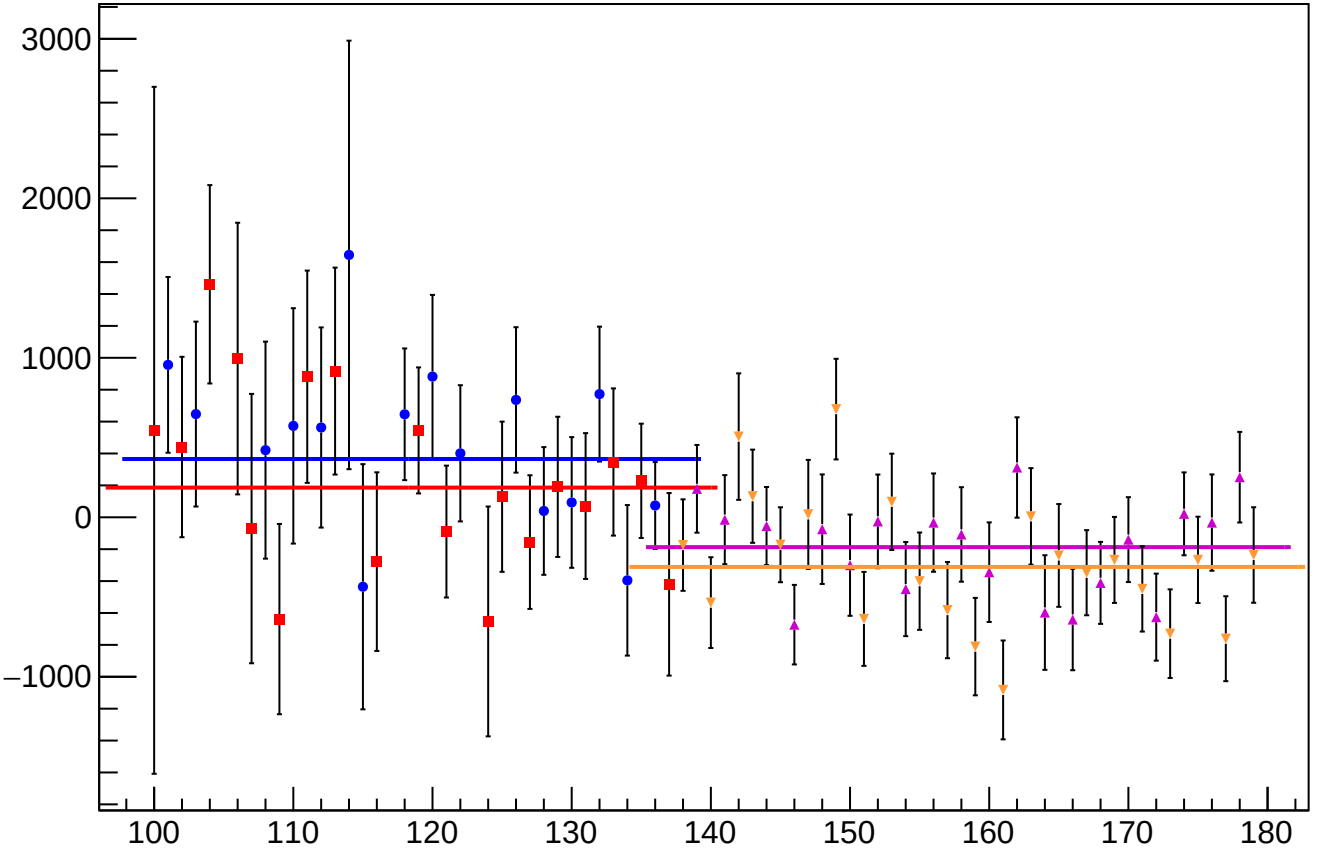
In: -0.000+/-0.000 χ^2/NDF:28.1/35

Out: -0.000+/-0.000 χ^2/NDF:21.0/40

All: -0.000+/-0.000 χ^2/NDF: 49.5/76


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1147289.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3313683.1/19
Left: 0.000+/-0.000 χ²/NDF: 4741145.4/41
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:7502952.7/35
Out: 0.000+/-0.000 χ²/NDF:5696219.8/40
All: 0.000+/-0.000 χ²/NDF: 13456327.1/76

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -187.141+/-64.412 χ^2/NDF:20.7/19

Left: -251.437+/-44.727 χ^2/NDF: 60.6/41

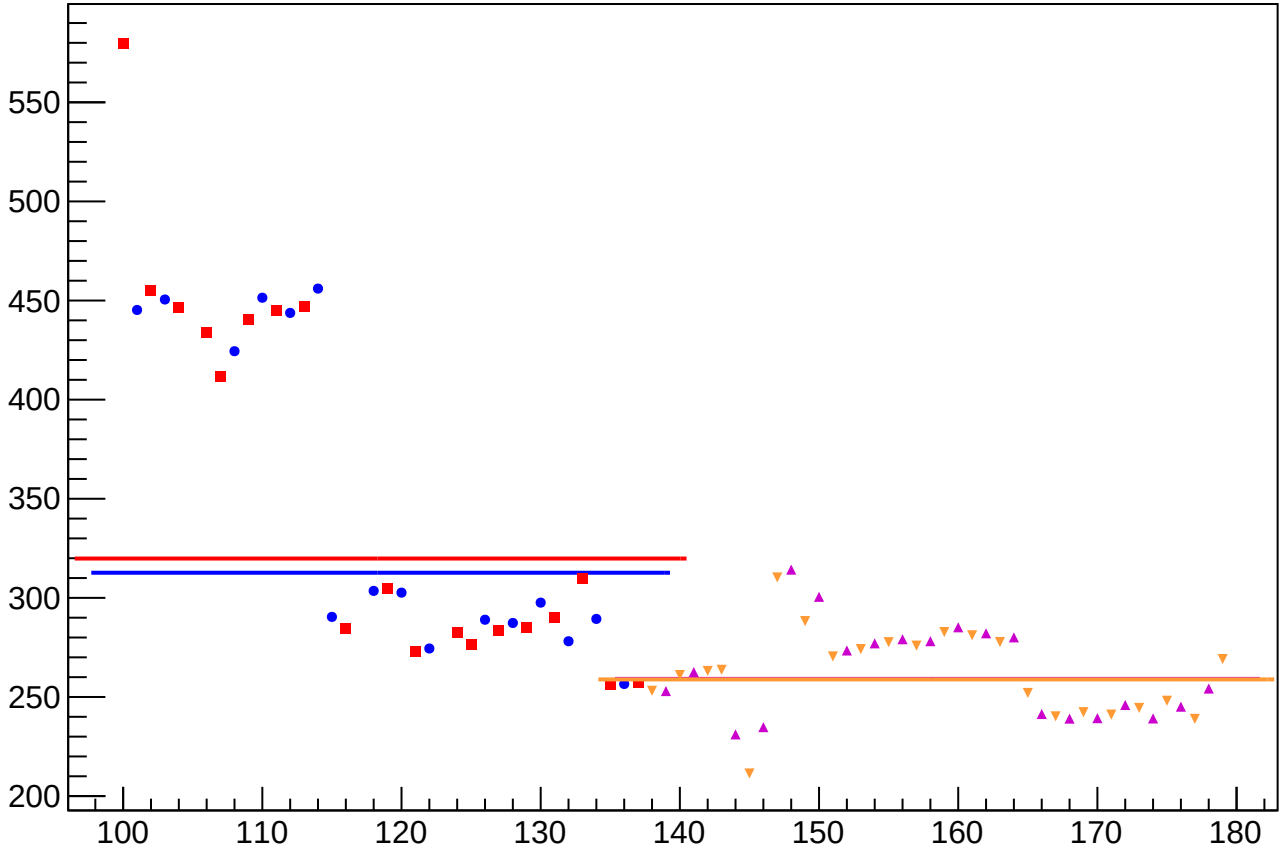
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -61.699+/-56.633 χ^2/NDF:48.9/35

Out: -206.339+/-55.209 χ^2/NDF:66.5/40

All: -135.860+/-39.532 χ^2/NDF: 118.7/76

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.3/21

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

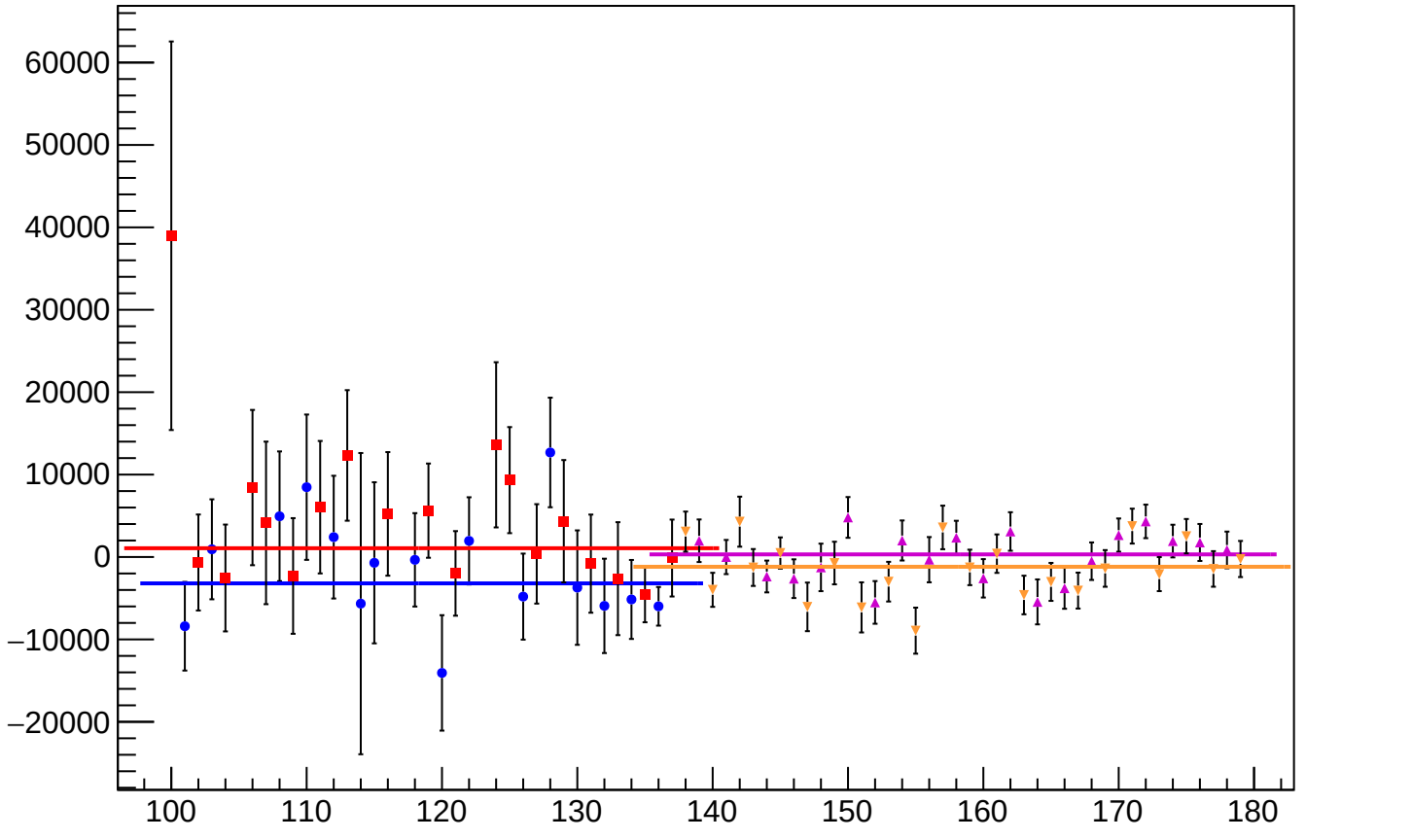
Left: 258.993+/-0.032 χ^2/NDF: 490697.6/41

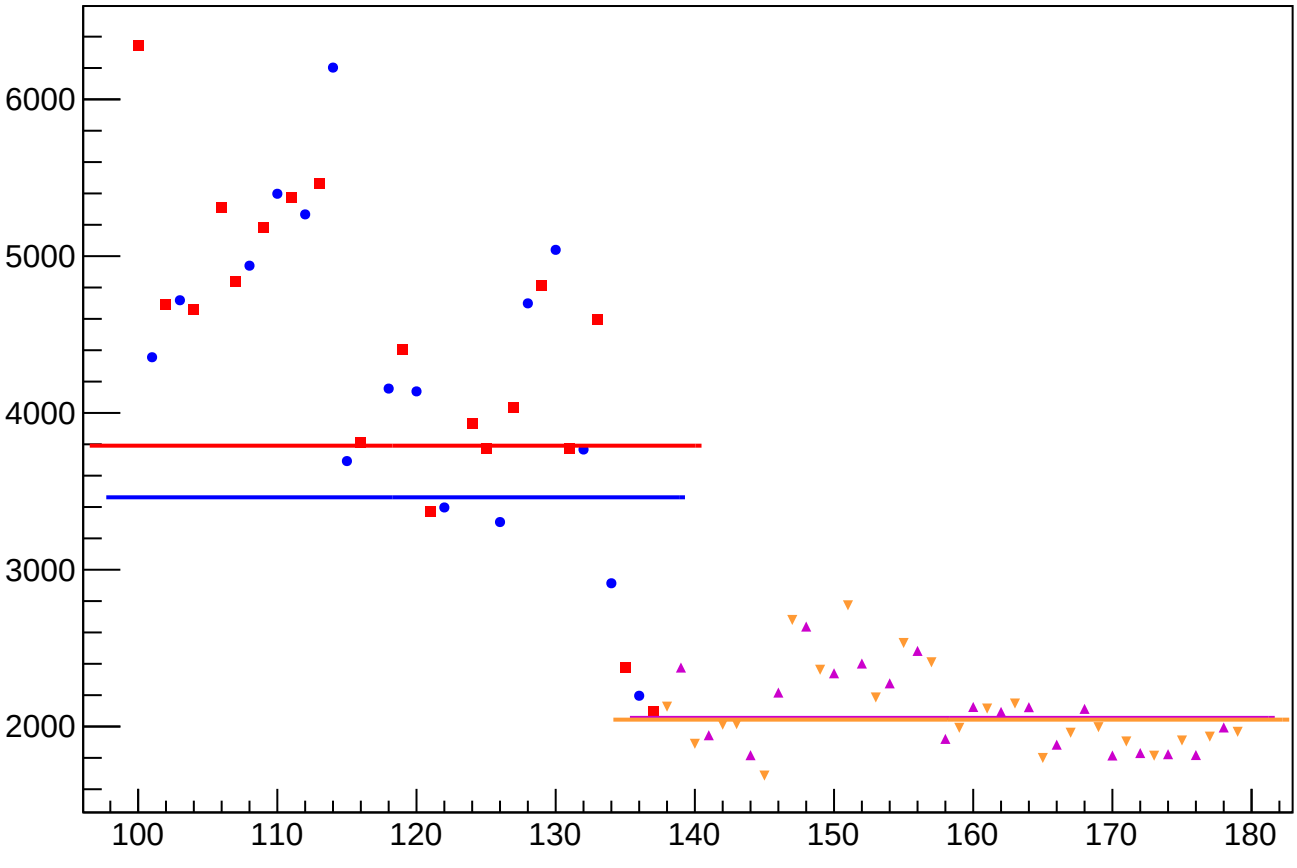
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 271.285+/-0.040 χ^2/NDF:1159019.3/35

Out: 271.732+/-0.039 χ^2/NDF:1351679.6/40

All: 271.514+/-0.028 χ^2/NDF: 2510762.8/76


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -1184.951+/-493.869 χ²/NDF:39.8/21
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: 317.924+/-512.803 χ²/NDF:30.8/19
Left: -461.771+/-355.724 χ²/NDF: 75.0/41
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -123.329+/-479.553 χ²/NDF:52.7/35
Out: -949.032+/-467.271 χ²/NDF:56.4/40
All: -546.890+/-334.669 χ²/NDF: 110.7/76



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512053.7/21

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2055.077+/-0.363 χ^2/NDF:411702.2/19

Left: 2049.260+/-0.252 χ^2/NDF: 924251.9/41

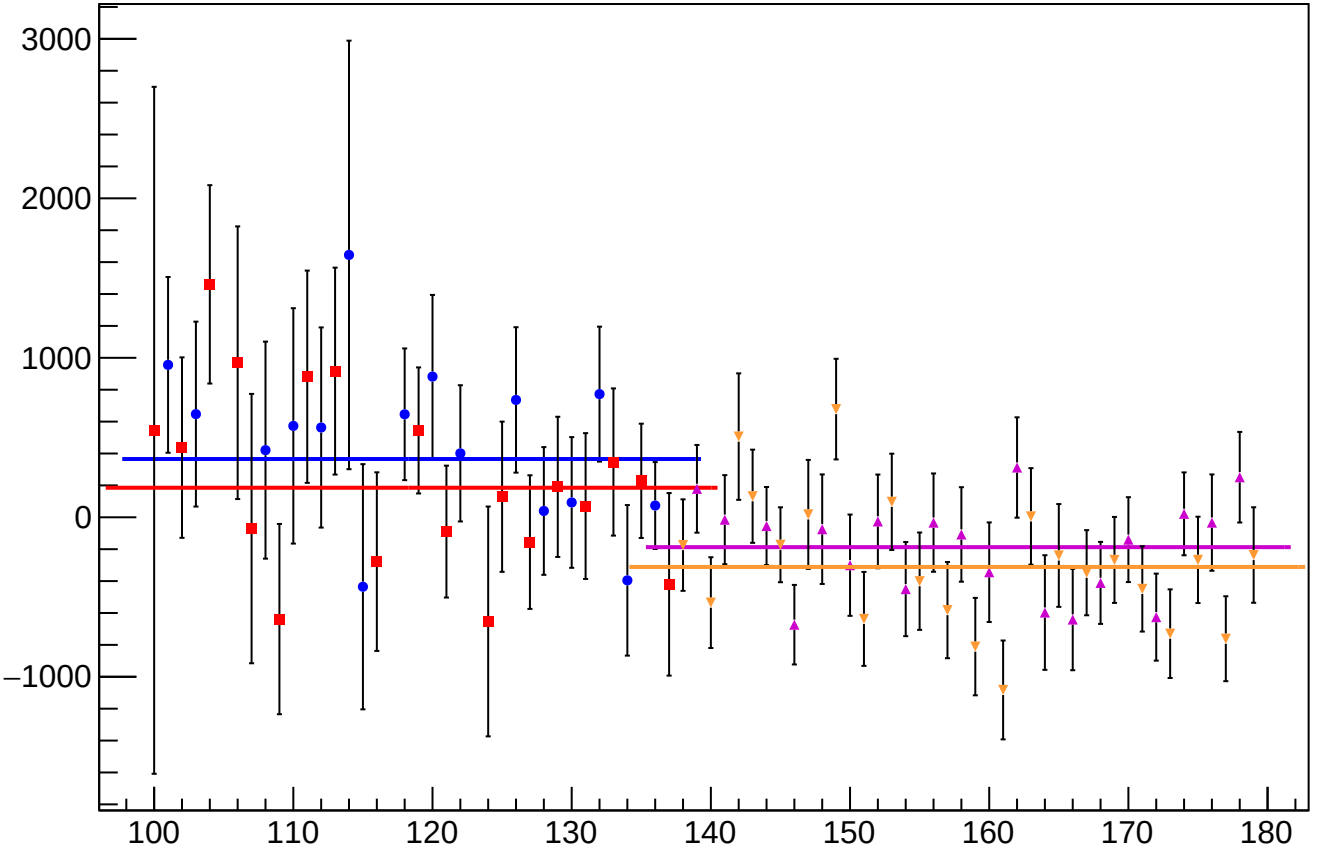
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2231.601+/-0.339 χ^2/NDF:3610058.2/35

Out: 2227.007+/-0.330 χ^2/NDF:4291855.7/40

All: 2229.244+/-0.237 χ^2/NDF: 7902008.0/76

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -311.306+/-62.155 χ^2/NDF:38.0/21

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -187.148+/-64.412 χ^2/NDF:20.7/19

Left: -251.441+/-44.727 χ^2/NDF: 60.6/41

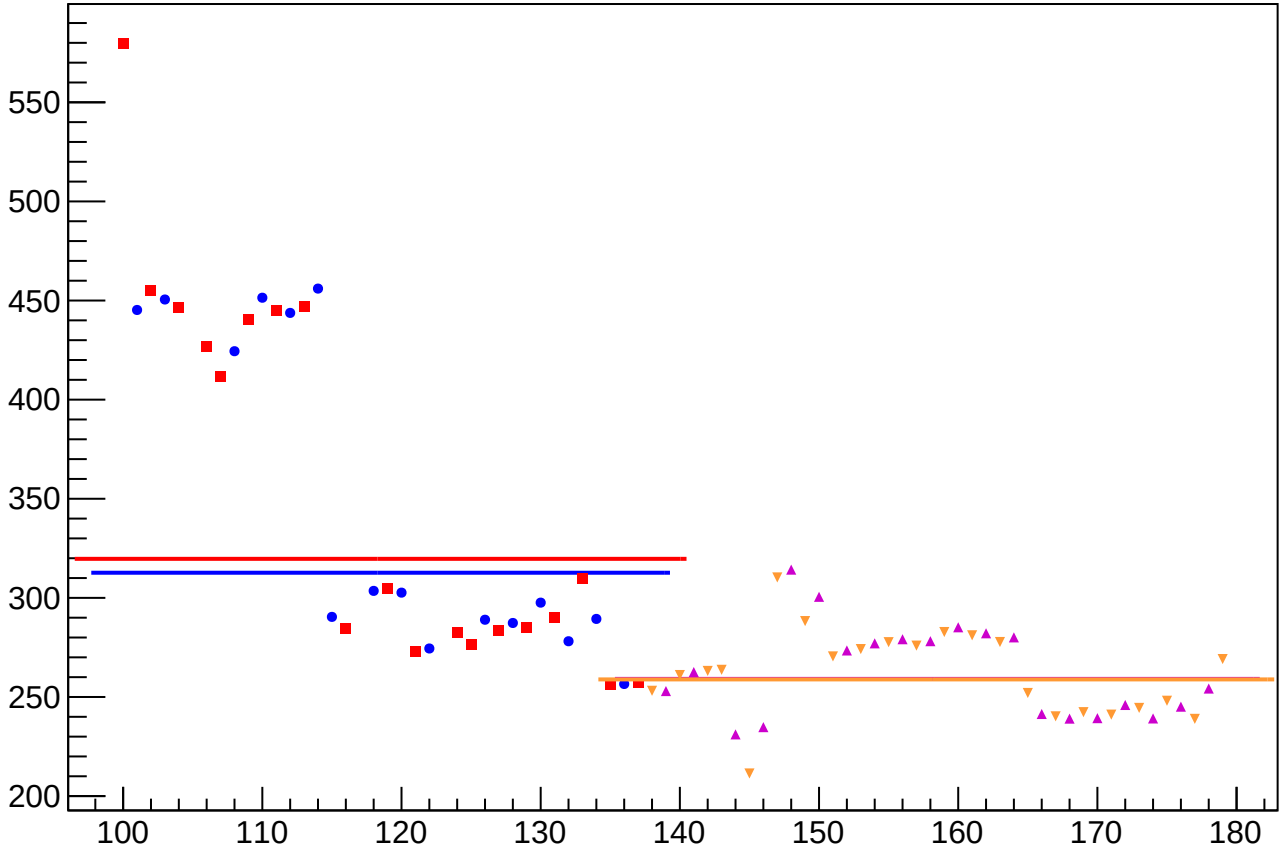
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -61.709+/-56.633 χ^2/NDF:48.9/35

Out: -206.526+/-55.210 χ^2/NDF:66.4/40

All: -135.959+/-39.533 χ^2/NDF: 118.6/76

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.4/21

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

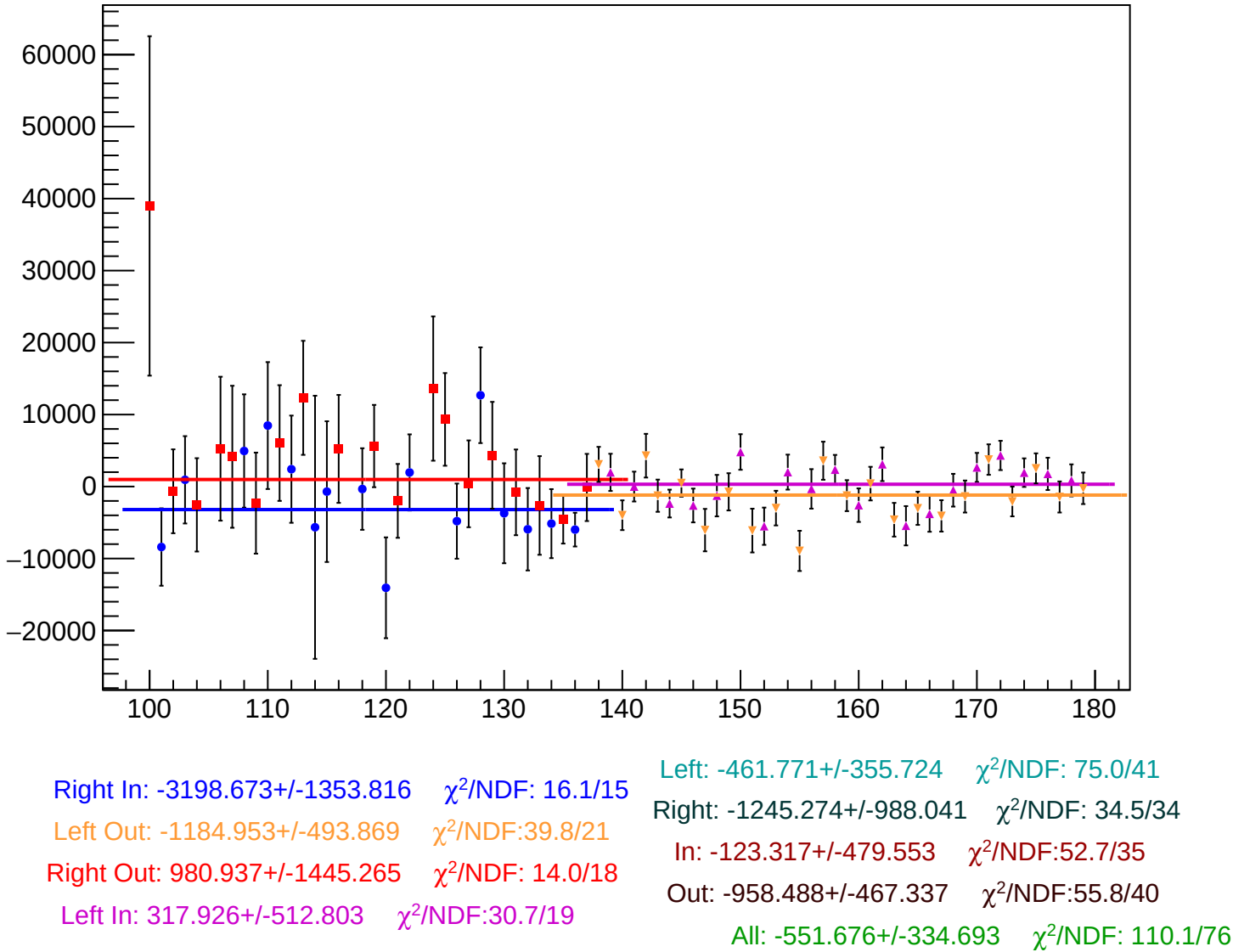
Left: 258.993+/-0.032 χ^2/NDF: 490697.6/41

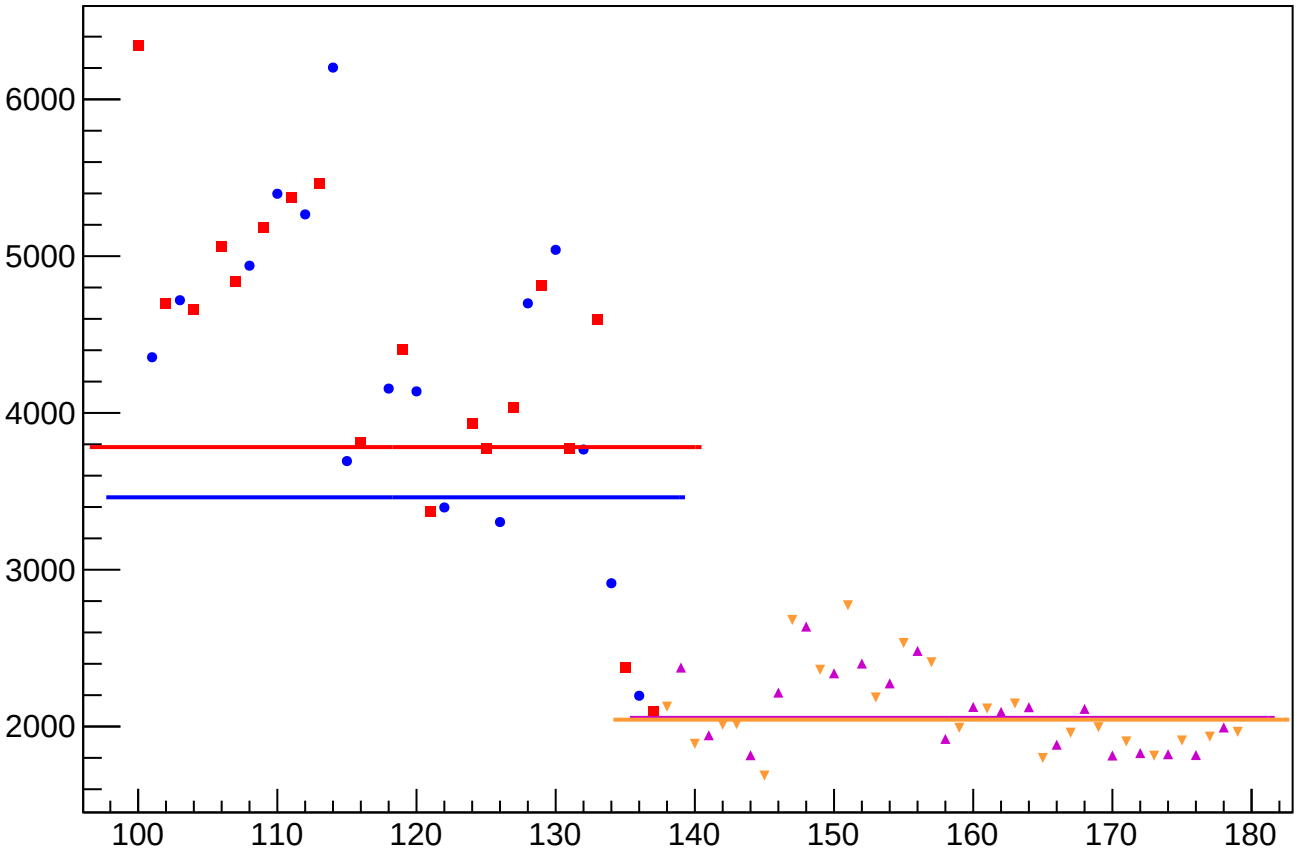
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.285+/-0.040 χ^2/NDF:1159020.9/35

Out: 271.699+/-0.039 χ^2/NDF:1345485.4/40

All: 271.497+/-0.028 χ^2/NDF: 2504561.1/76


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1184.953+/-493.869 χ²/NDF:39.8/21
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 317.926+/-512.803 χ²/NDF:30.7/19
Left: -461.771+/-355.724 χ²/NDF: 75.0/41
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -123.317+/-479.553 χ²/NDF:52.7/35
Out: -958.488+/-467.337 χ²/NDF:55.8/40
All: -551.676+/-334.693 χ²/NDF: 110.1/76



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

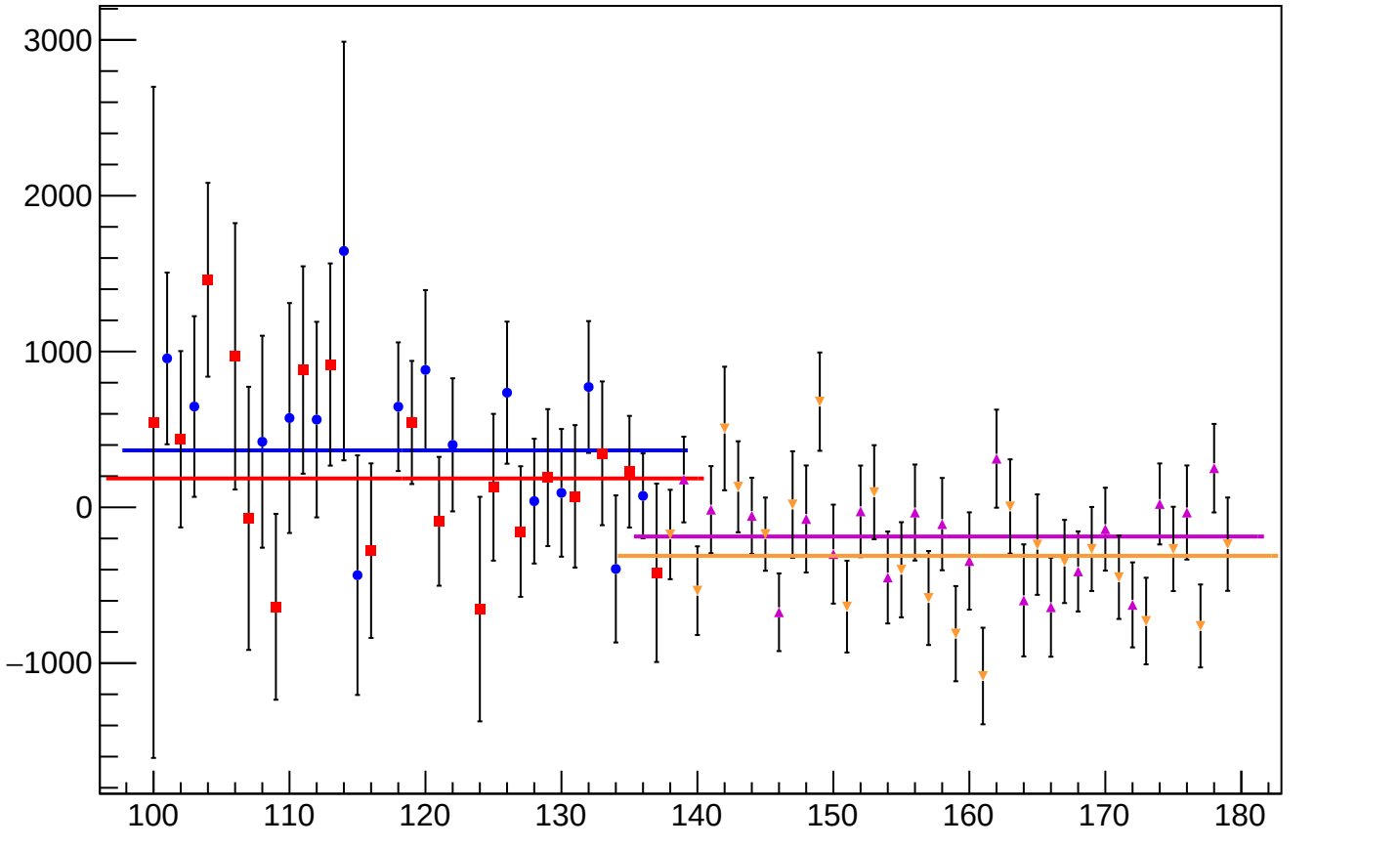
Left: 2049.260+/-0.252 χ^2/NDF: 924256.2/41

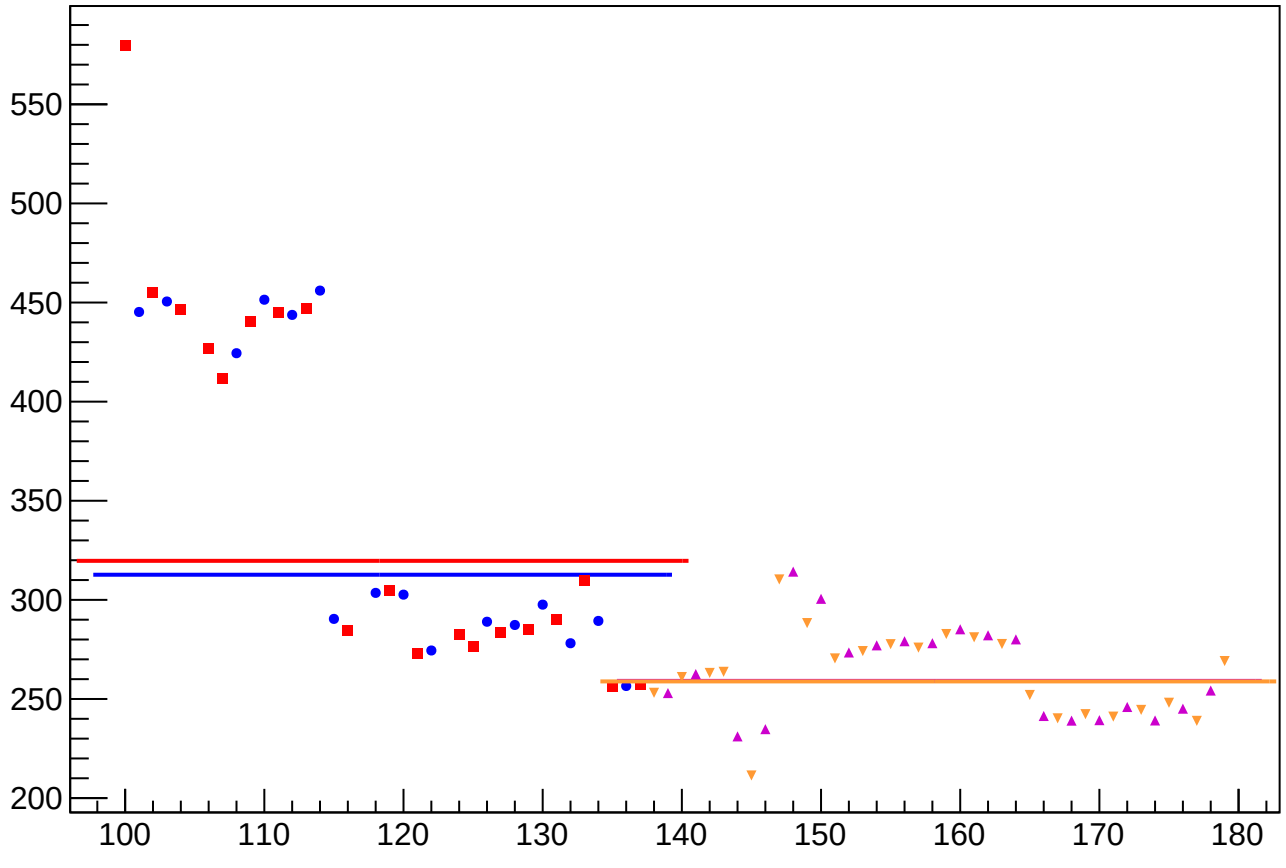
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2231.601+/-0.339 χ^2/NDF:3610082.3/35

Out: 2225.623+/-0.330 χ^2/NDF:4239154.4/40

All: 2228.535+/-0.237 χ^2/NDF: 7849396.1/76


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
180
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -311.306+/-62.155 χ²/NDF:38.0/21
Right Out: 185.331+/-120.199 χ²/NDF: 14.9/18
Left In: -187.148+/-64.412 χ²/NDF:20.7/19
Left: -251.441+/-44.727 χ²/NDF: 60.6/41
Right: 276.426+/-84.521 χ²/NDF: 27.6/34
In: -61.709+/-56.633 χ²/NDF:48.9/35
Out: -206.526+/-55.210 χ²/NDF:66.4/40
All: -135.959+/-39.533 χ²/NDF: 118.6/76



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.865+/-0.044 χ^2/NDF:247649.4/21

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.130+/-0.046 χ^2/NDF:243030.8/19

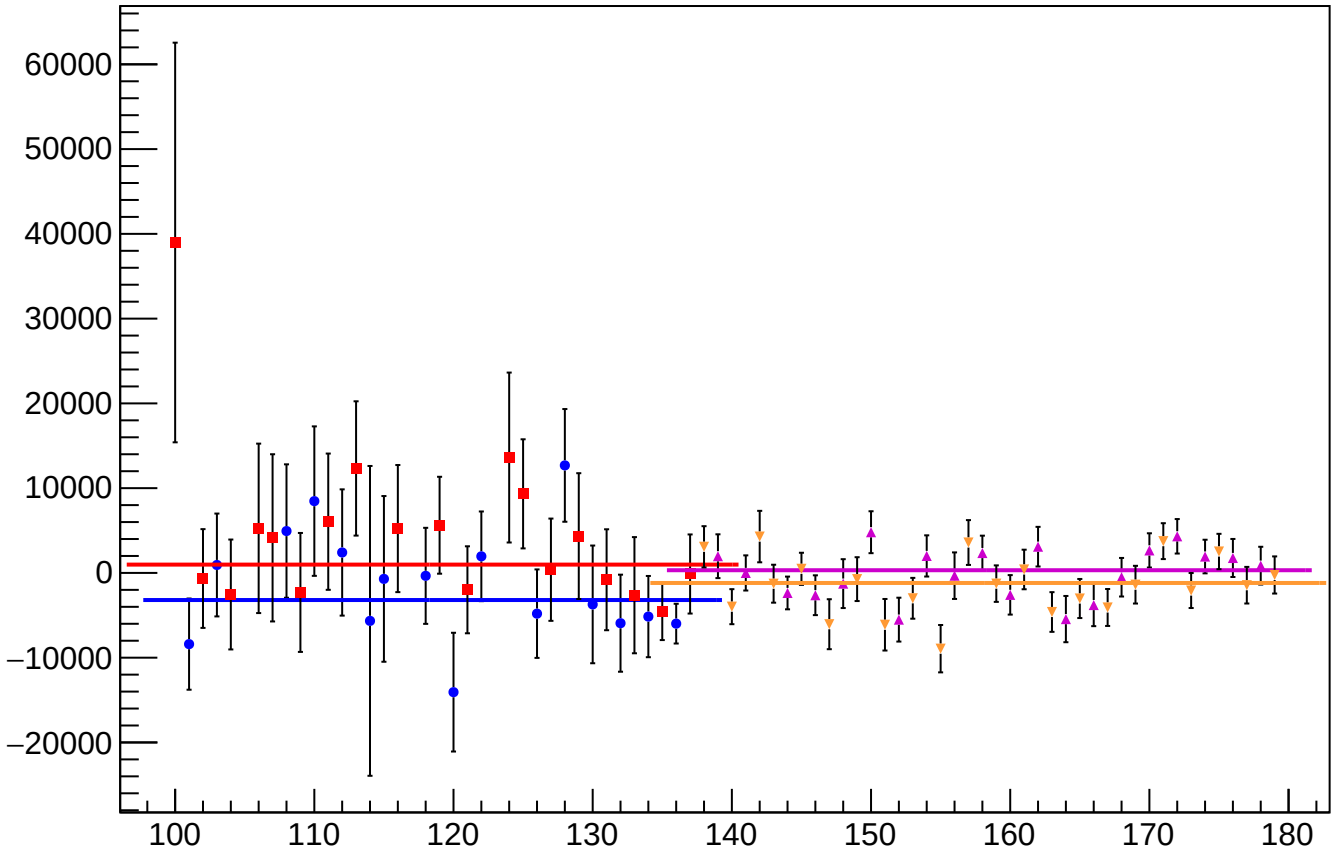
Left: 258.993+/-0.032 χ^2/NDF: 490697.6/41

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.285+/-0.040 χ^2/NDF:1159020.9/35

Out: 271.699+/-0.039 χ^2/NDF:1345485.4/40

All: 271.497+/-0.028 χ^2/NDF: 2504561.1/76



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1184.953+/-493.869 χ^2/NDF:39.8/21

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 317.926+/-512.803 χ^2/NDF:30.7/19

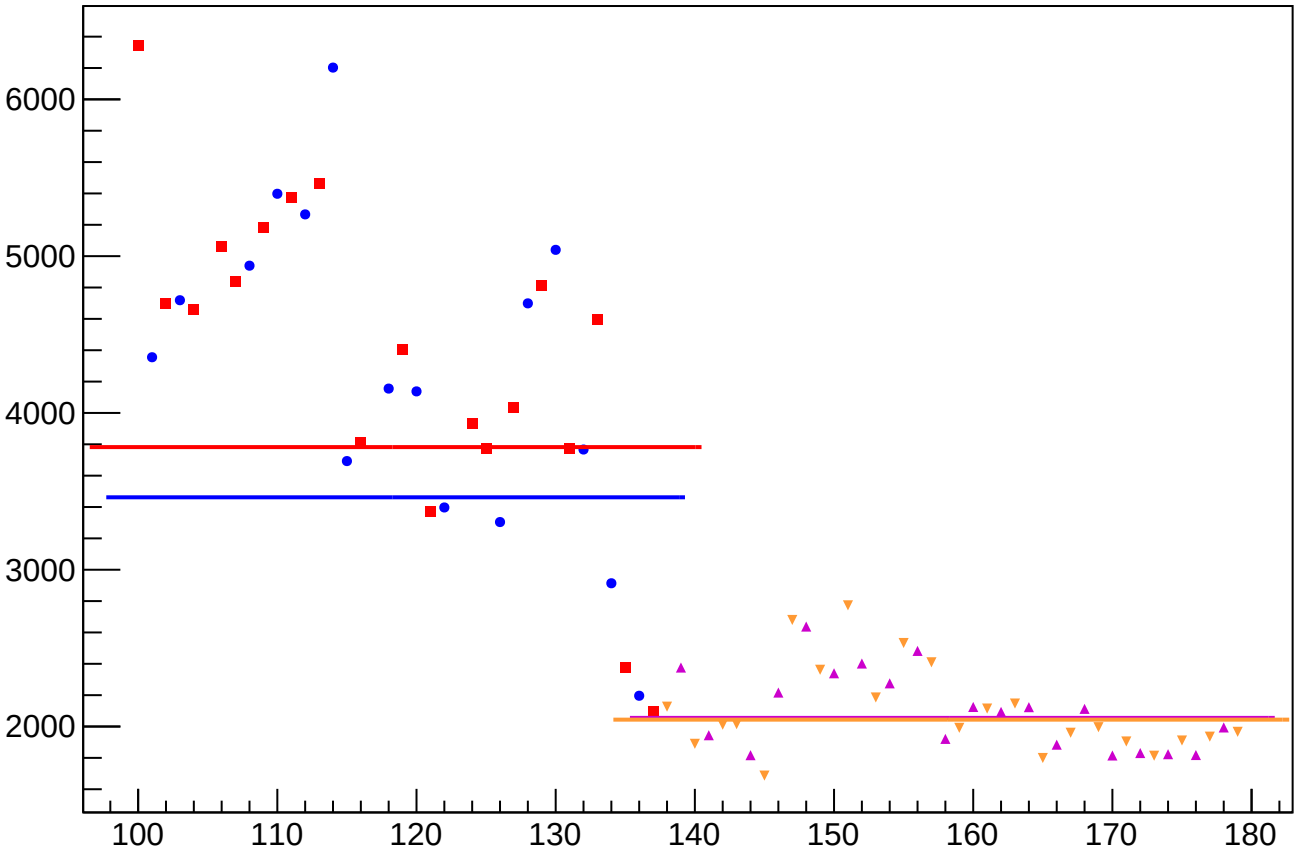
Left: -461.771+/-355.724 χ^2/NDF: 75.0/41

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -123.317+/-479.553 χ^2/NDF:52.7/35

Out: -958.488+/-467.337 χ^2/NDF:55.8/40

All: -551.676+/-334.693 χ^2/NDF: 110.1/76



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2043.865+/-0.349 χ^2/NDF:512054.5/21

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

Left: 2049.260+/-0.252 χ^2/NDF: 924256.2/41

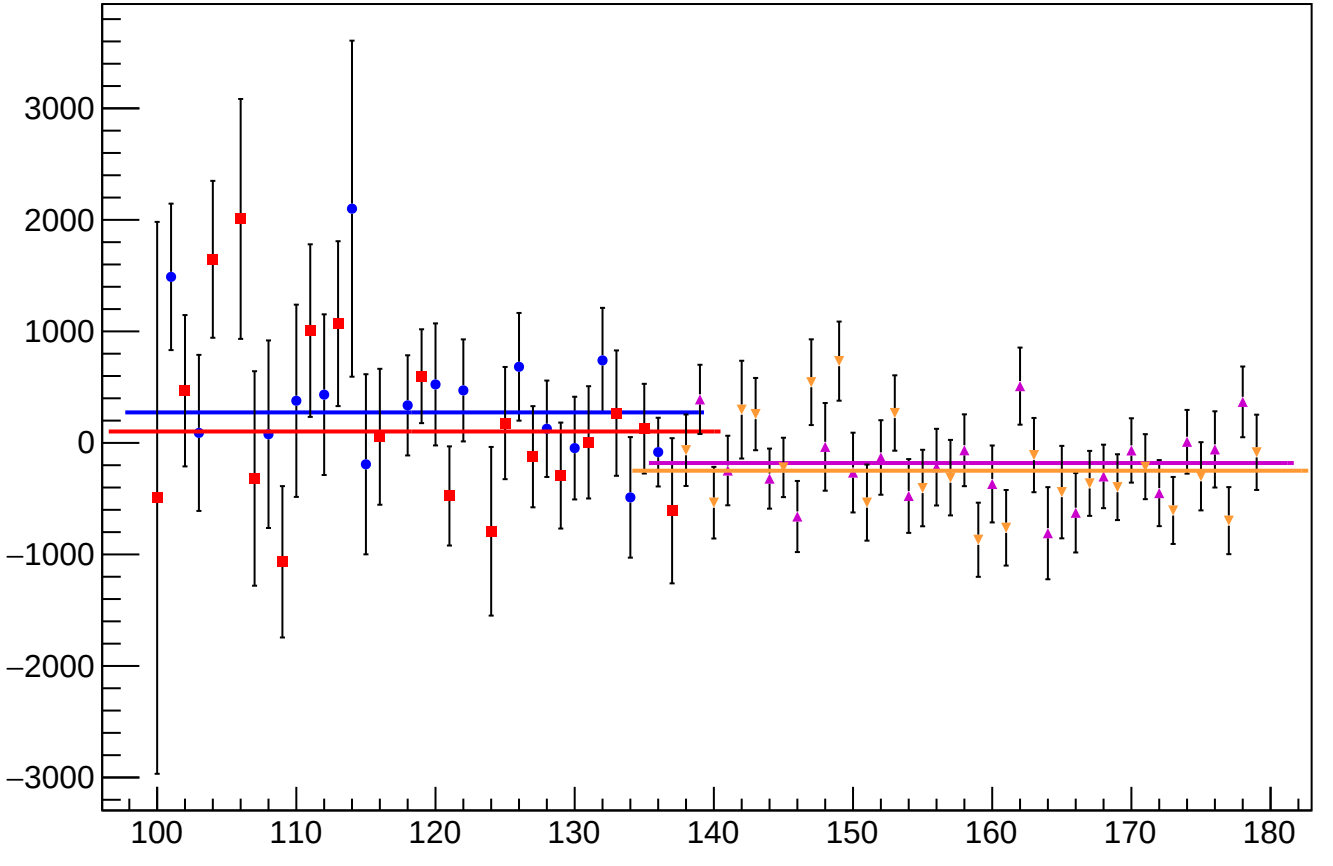
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2231.601+/-0.339 χ^2/NDF:3610082.3/35

Out: 2225.623+/-0.330 χ^2/NDF:4239154.4/40

All: 2228.535+/-0.237 χ^2/NDF: 7849396.1/76

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -249.303+/-69.538 χ^2/NDF:30.8/21

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -180.286+/-72.207 χ^2/NDF:20.0/19

Left: -216.094+/-50.088 χ^2/NDF: 51.3/41

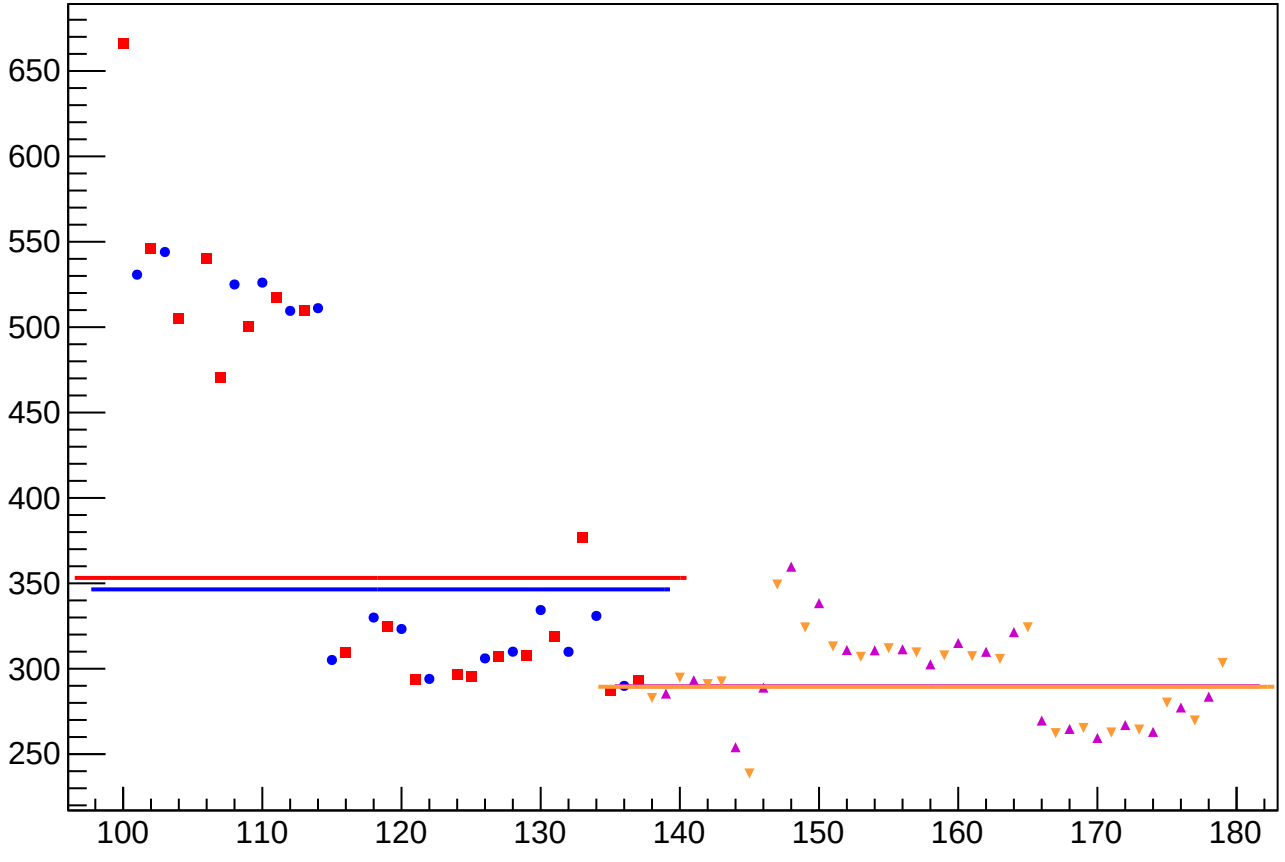
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -76.406+/-63.408 χ^2/NDF:40.5/35

Out: -174.344+/-61.683 χ^2/NDF:57.6/40

All: -126.725+/-44.214 χ^2/NDF: 99.3/76

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 289.432+/-0.049 χ^2/NDF:278738.3/21

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 289.735+/-0.051 χ^2/NDF:269330.0/19

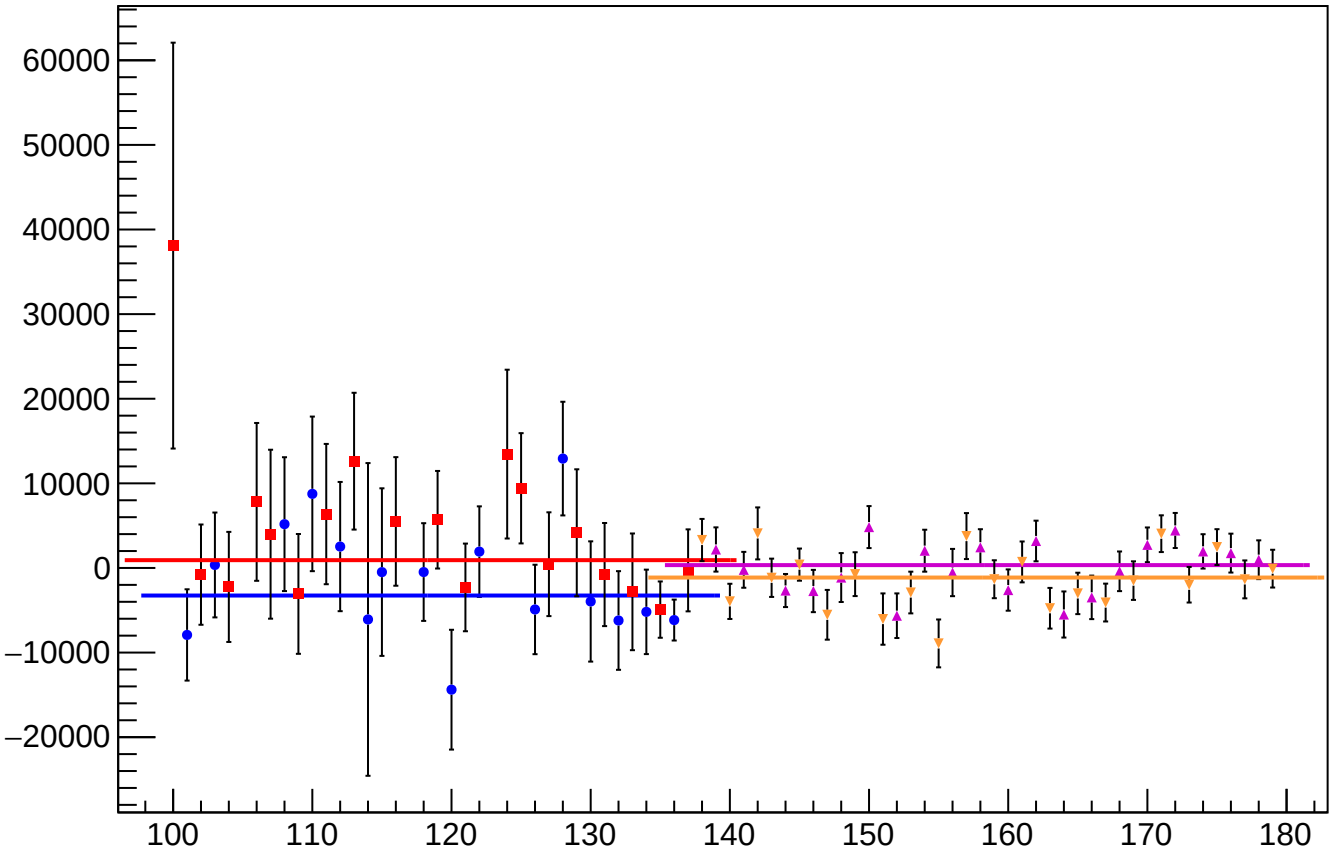
Left: 289.578+/-0.035 χ^2/NDF: 548086.6/41

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 302.717+/-0.045 χ^2/NDF:1320541.9/35

Out: 303.020+/-0.044 χ^2/NDF:1503335.4/40

All: 302.873+/-0.031 χ^2/NDF: 2823900.6/76



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1133.073+/-504.236 χ^2/NDF:39.0/21

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 336.792+/-524.962 χ^2/NDF:30.8/19

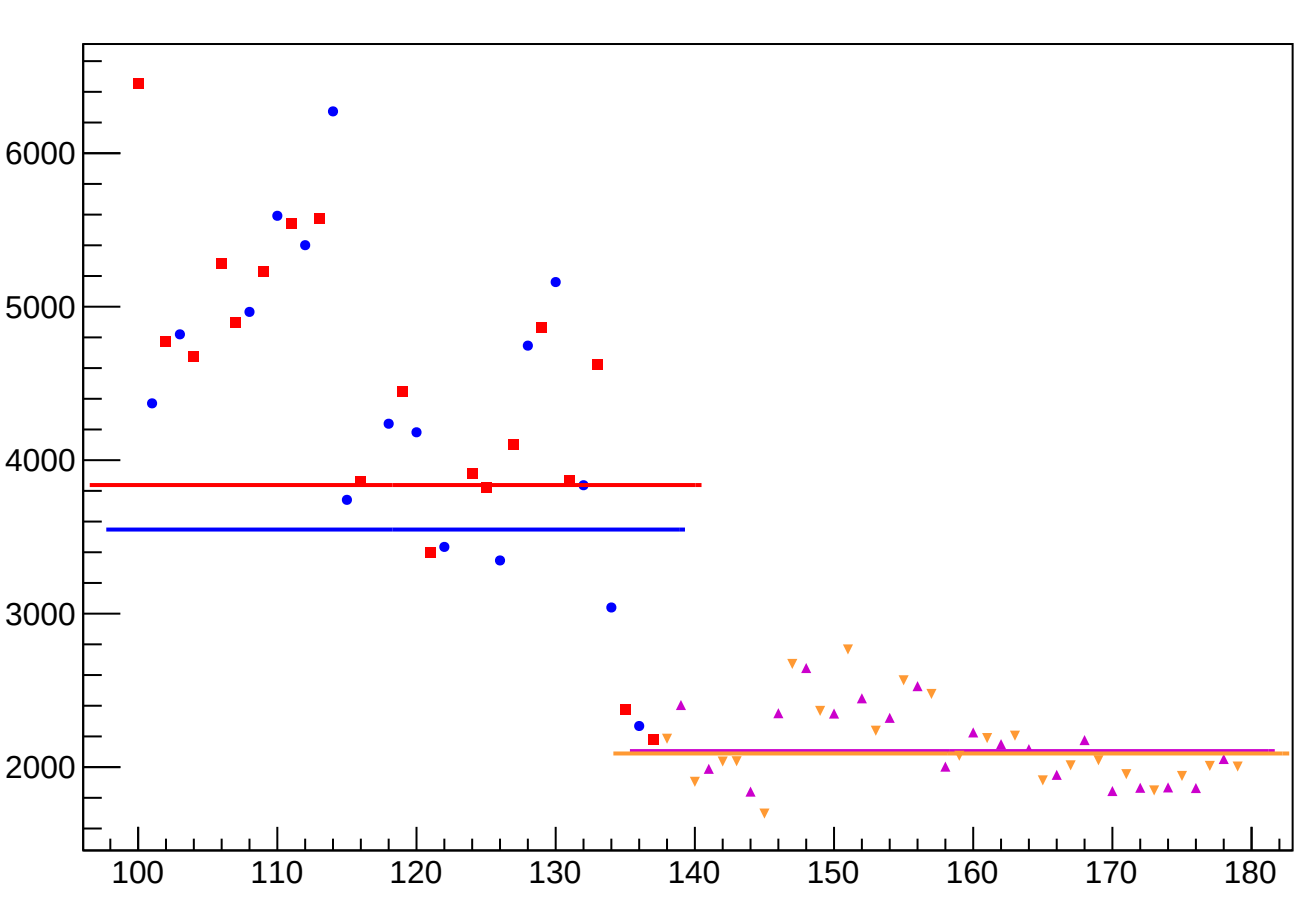
Left: -427.730+/-363.655 χ^2/NDF: 73.8/41

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -115.381+/-490.845 χ^2/NDF:52.7/35

Out: -914.350+/-476.637 χ^2/NDF:55.4/40

All: -526.596+/-341.946 χ^2/NDF: 109.4/76



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482353.5/21

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2104.417+/-0.371 χ^2/NDF:401182.5/19

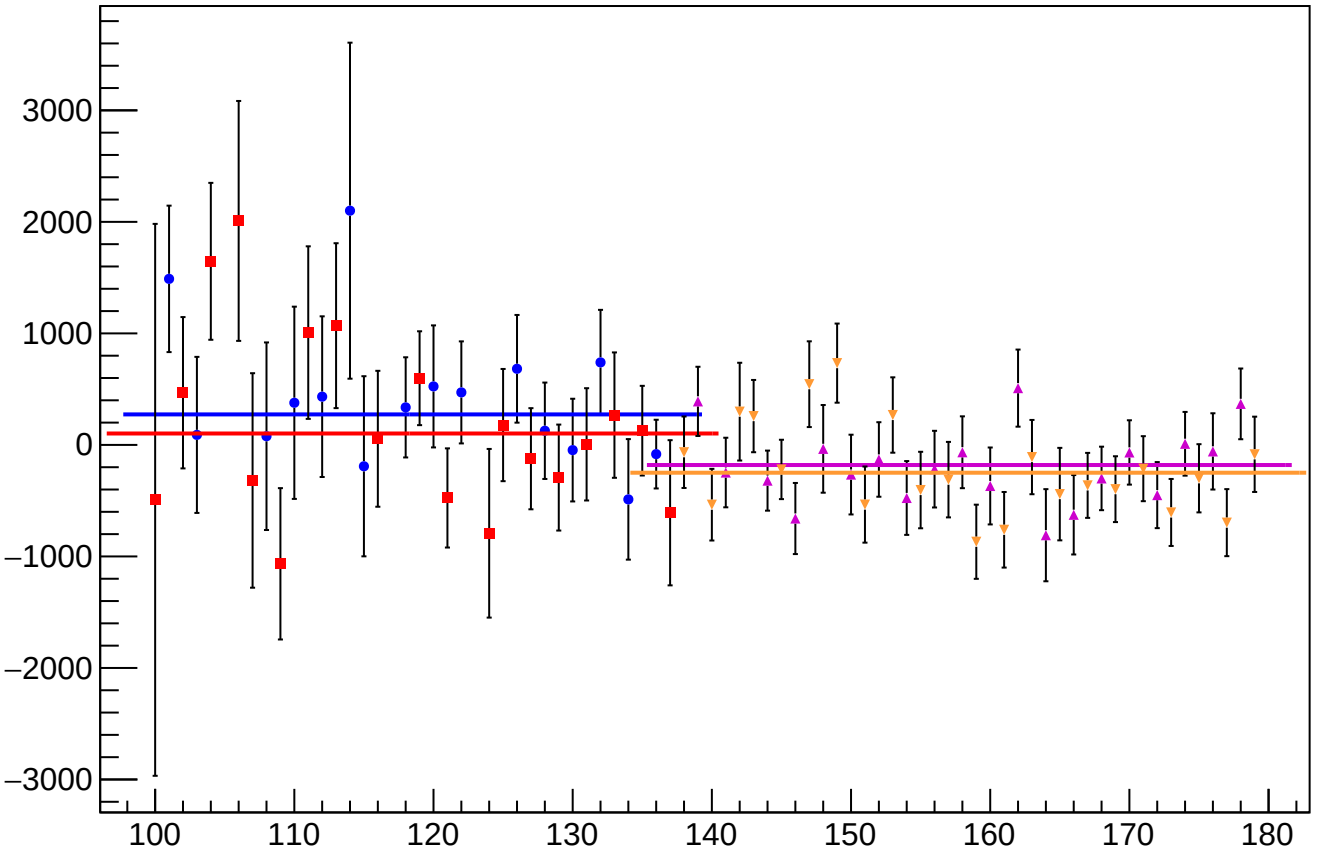
Left: 2096.323+/-0.257 χ^2/NDF: 884450.0/41

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2285.953+/-0.347 χ^2/NDF:3561482.4/35

Out: 2275.089+/-0.337 χ^2/NDF:4200519.0/40

All: 2280.361+/-0.242 χ^2/NDF: 7762505.7/76



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -249.307+/-69.538 χ^2/NDF:30.8/21

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -180.289+/-72.207 χ^2/NDF:20.0/19

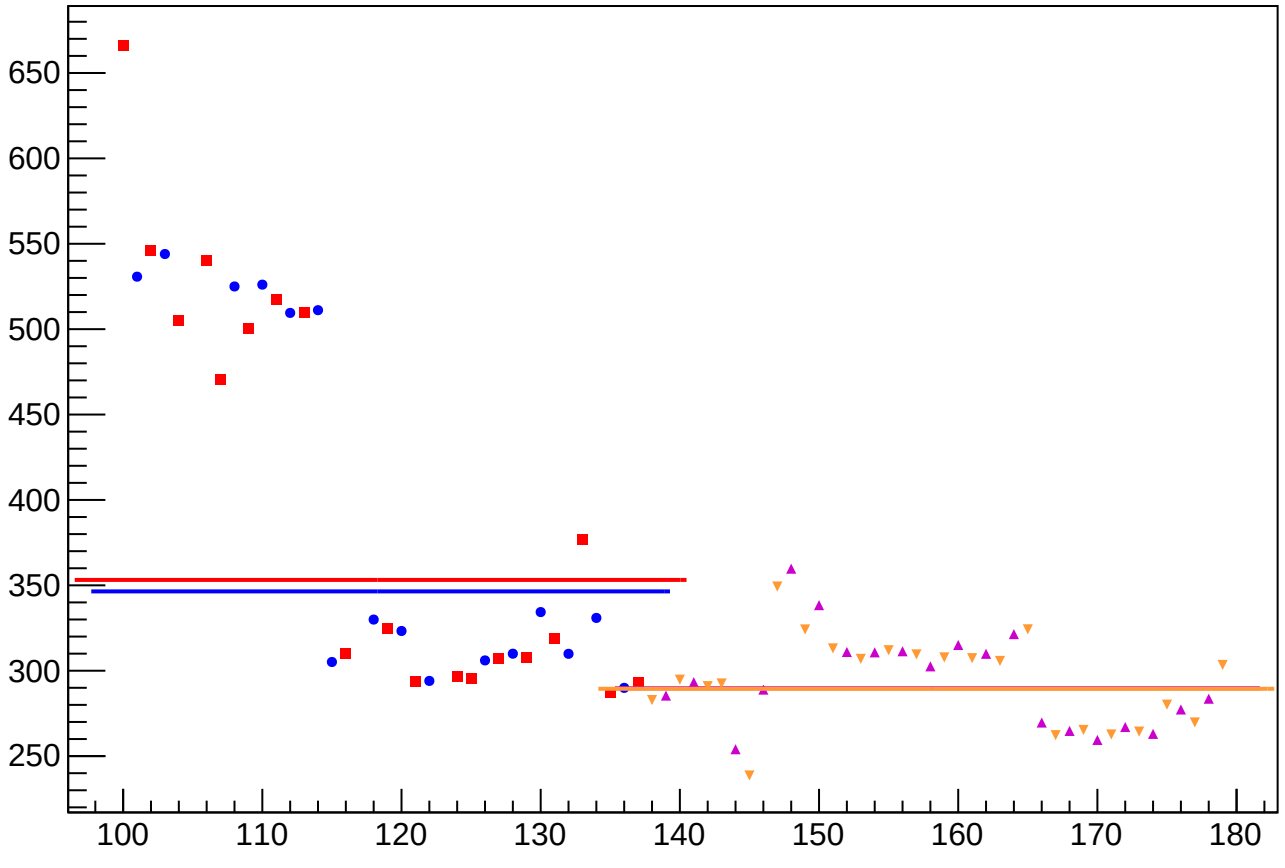
Left: -216.097+/-50.088 χ^2/NDF: 51.3/41

Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -76.406+/-63.408 χ^2/NDF:40.5/35

Out: -174.347+/-61.683 χ^2/NDF:57.6/40

All: -126.727+/-44.214 χ^2/NDF: 99.3/76



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 289.433+/-0.049 χ^2/NDF:278744.1/21

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 289.735+/-0.051 χ^2/NDF:269332.3/19

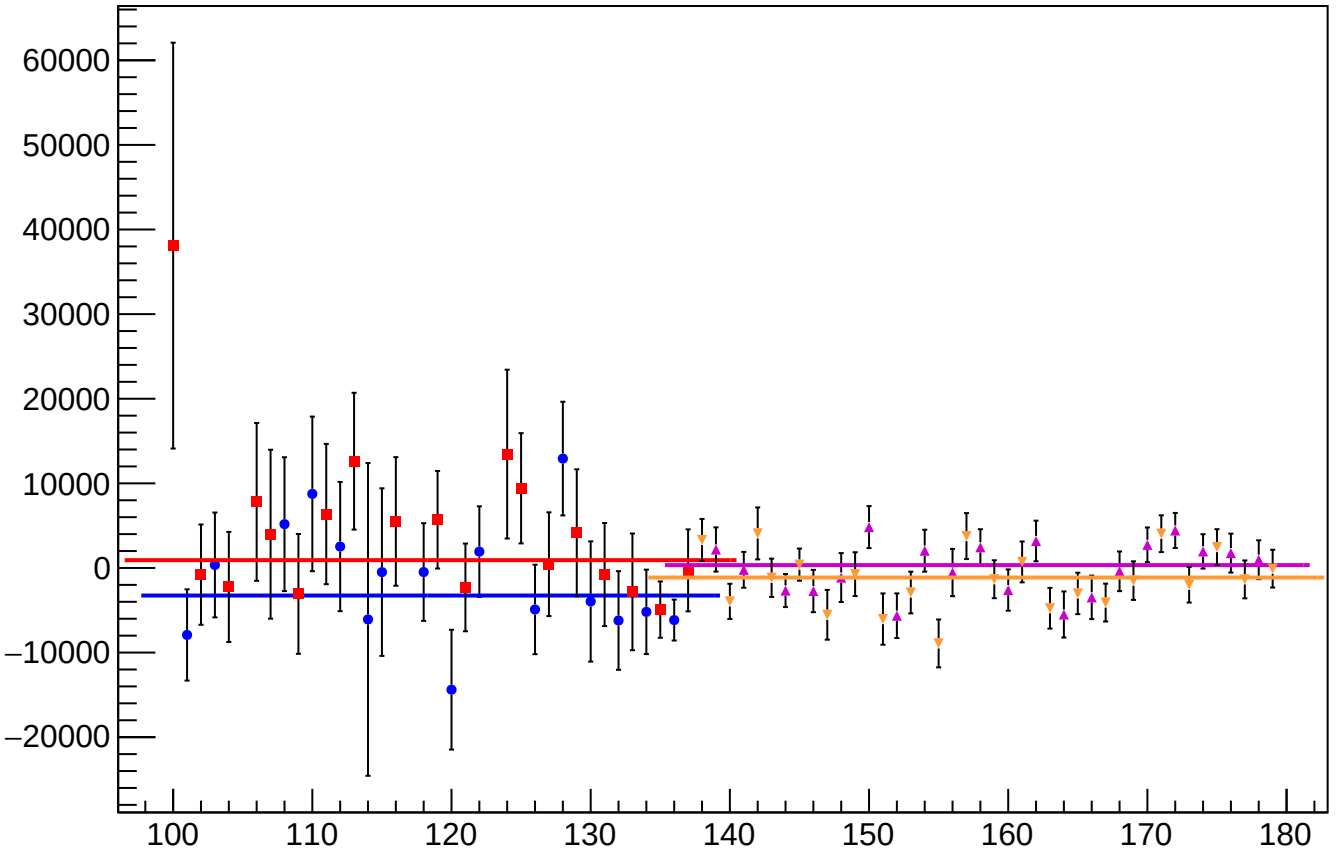
Left: 289.578+/-0.035 χ^2/NDF: 548094.7/41

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 302.717+/-0.045 χ^2/NDF:1320517.9/35

Out: 303.020+/-0.044 χ^2/NDF:1503317.4/40

All: 302.873+/-0.031 χ^2/NDF: 2823858.7/76



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1133.074+/-504.236 χ^2/NDF:39.0/21

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 336.792+/-524.963 χ^2/NDF:30.8/19

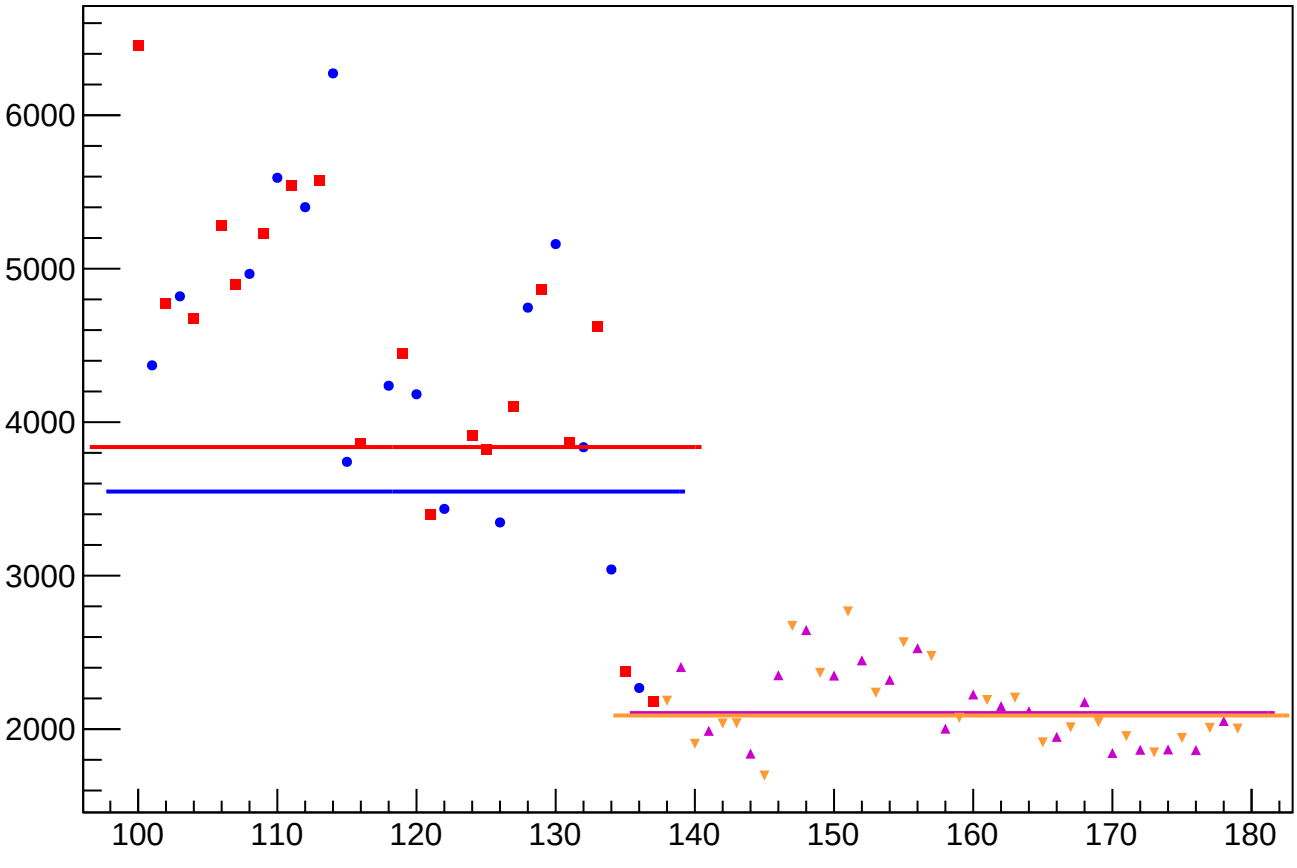
Left: -427.730+/-363.655 χ^2/NDF: 73.8/41

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -115.381+/-490.845 χ^2/NDF:52.7/35

Out: -914.350+/-476.637 χ^2/NDF:55.4/40

All: -526.596+/-341.946 χ^2/NDF: 109.4/76



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2088.856+/-0.357 χ^2/NDF:482357.1/21

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2104.418+/-0.371 χ^2/NDF:401182.6/19

Left: 2096.324+/-0.257 χ^2/NDF: 884453.7/41

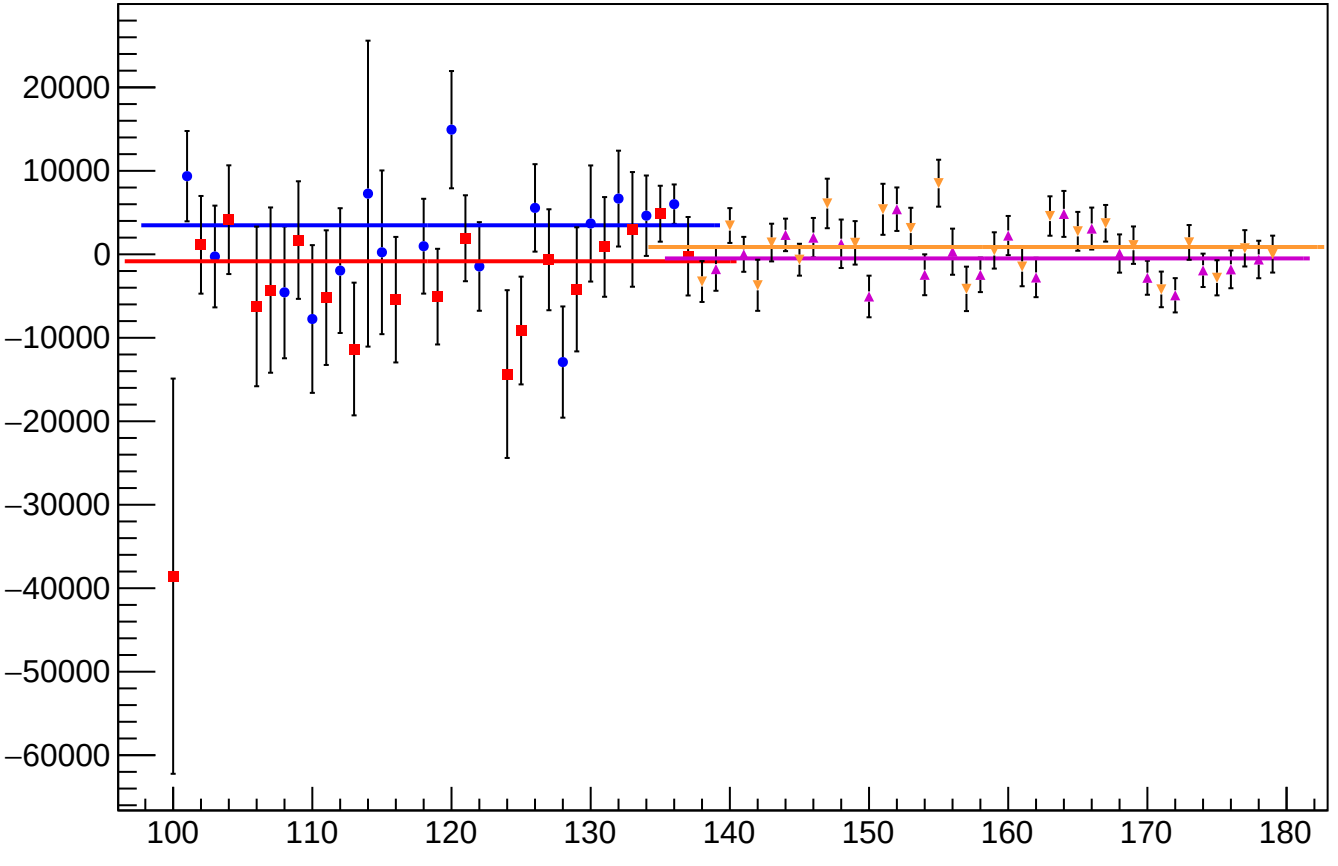
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2285.953+/-0.347 χ^2/NDF:3561463.4/35

Out: 2275.089+/-0.337 χ^2/NDF:4200505.0/40

All: 2280.362+/-0.242 χ^2/NDF: 7762472.7/76

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 876.530+/-497.921 χ^2/NDF:39.2/21

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -490.886+/-516.999 χ^2/NDF:28.9/19

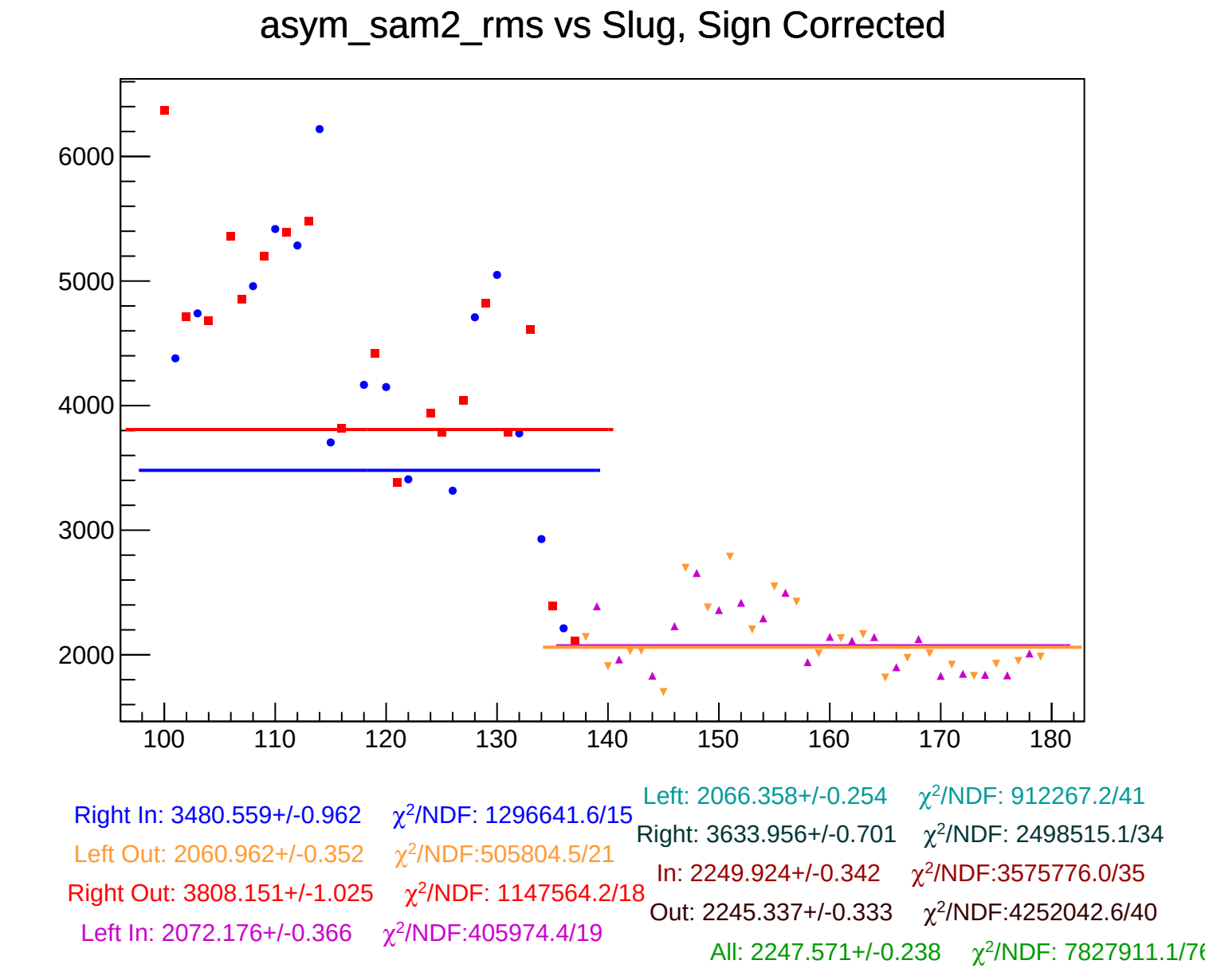
Left: 218.518+/-358.638 χ^2/NDF: 71.7/41

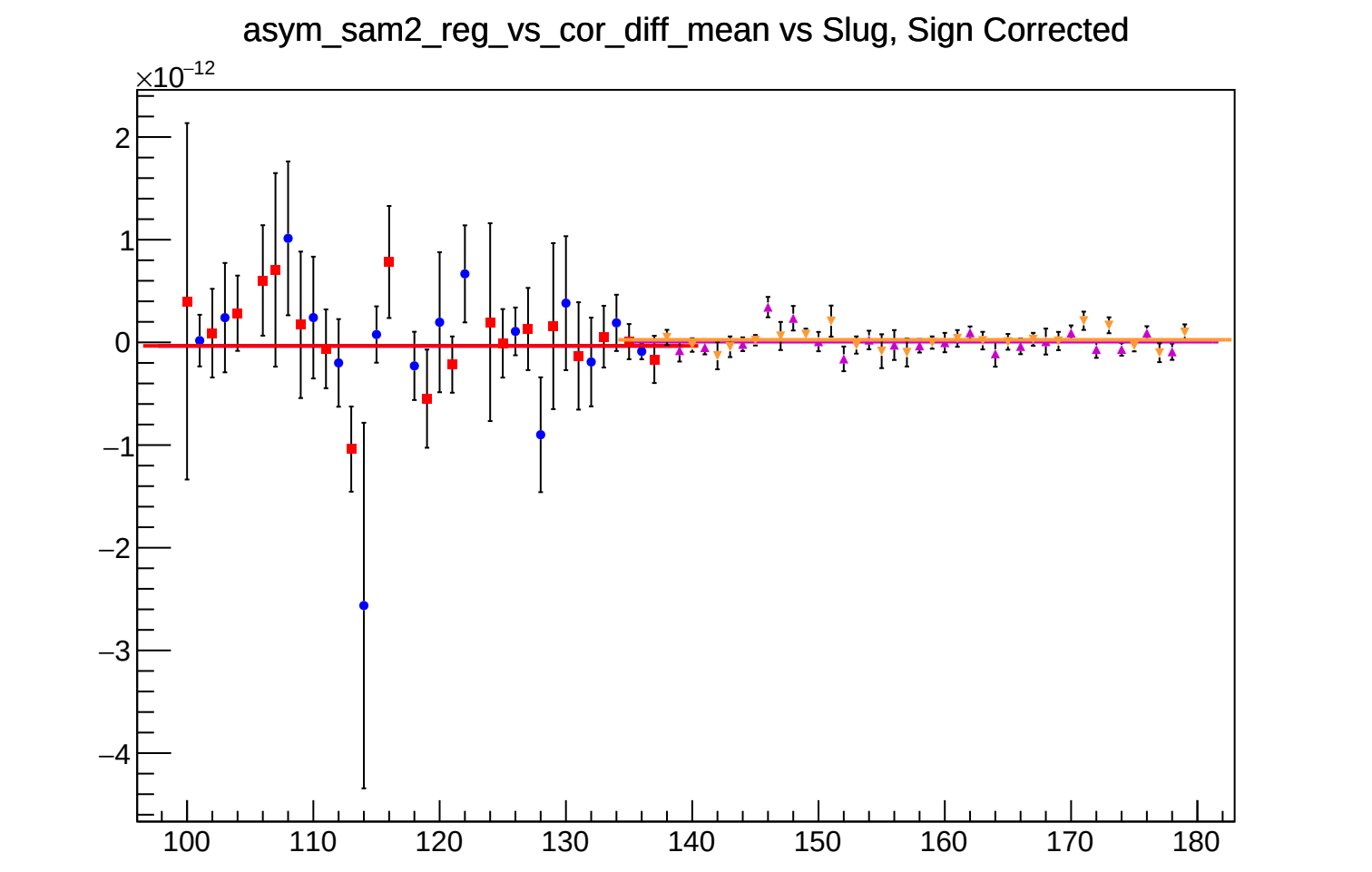
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 10.062+/-483.275 χ^2/NDF:52.6/35

Out: 696.173+/-470.916 χ^2/NDF:54.5/40

All: 362.002+/-337.273 χ^2/NDF: 108.2/76


asym_sam2_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3480.559+/-0.962 χ²/NDF: 1296641.6/15
Left Out: 2060.962+/-0.352 χ²/NDF:505804.5/21
Right Out: 3808.151+/-1.025 χ²/NDF: 1147564.2/18
Left In: 2072.176+/-0.366 χ²/NDF:405974.4/19
Left: 2066.358+/-0.254 χ²/NDF: 912267.2/41
Right: 3633.956+/-0.701 χ²/NDF: 2498515.1/34
In: 2249.924+/-0.342 χ²/NDF:3575776.0/35
Out: 2245.337+/-0.333 χ²/NDF:4252042.6/40
All: 2247.571+/-0.238 χ²/NDF: 7827911.1/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:29.1/19

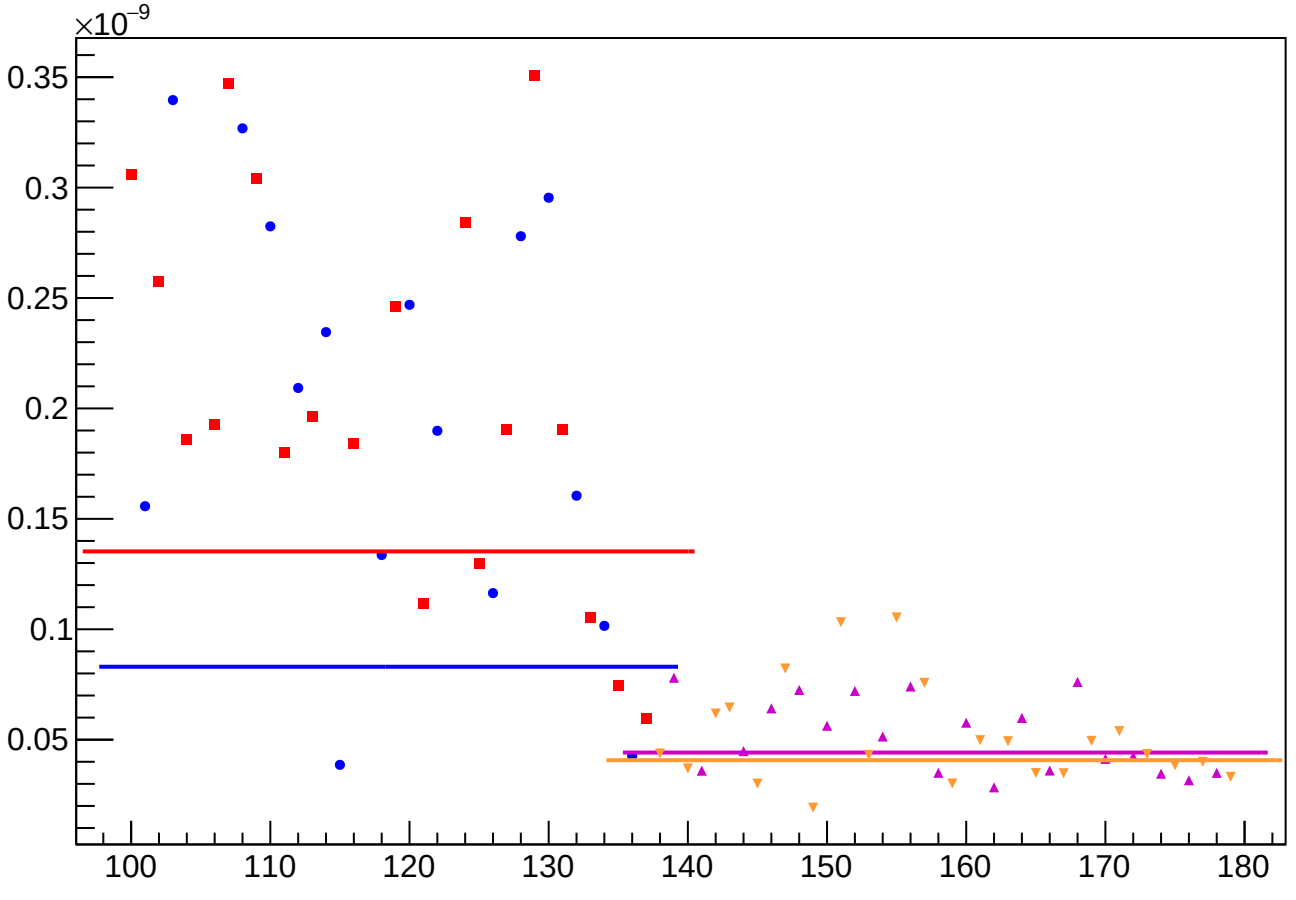
Left: 0.000+/-0.000 χ^2/NDF: 48.2/41

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:41.5/35

Out: 0.000+/-0.000 χ^2/NDF:32.5/40

All: 0.000+/-0.000 χ^2/NDF: 74.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1746728.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1207761.6/19

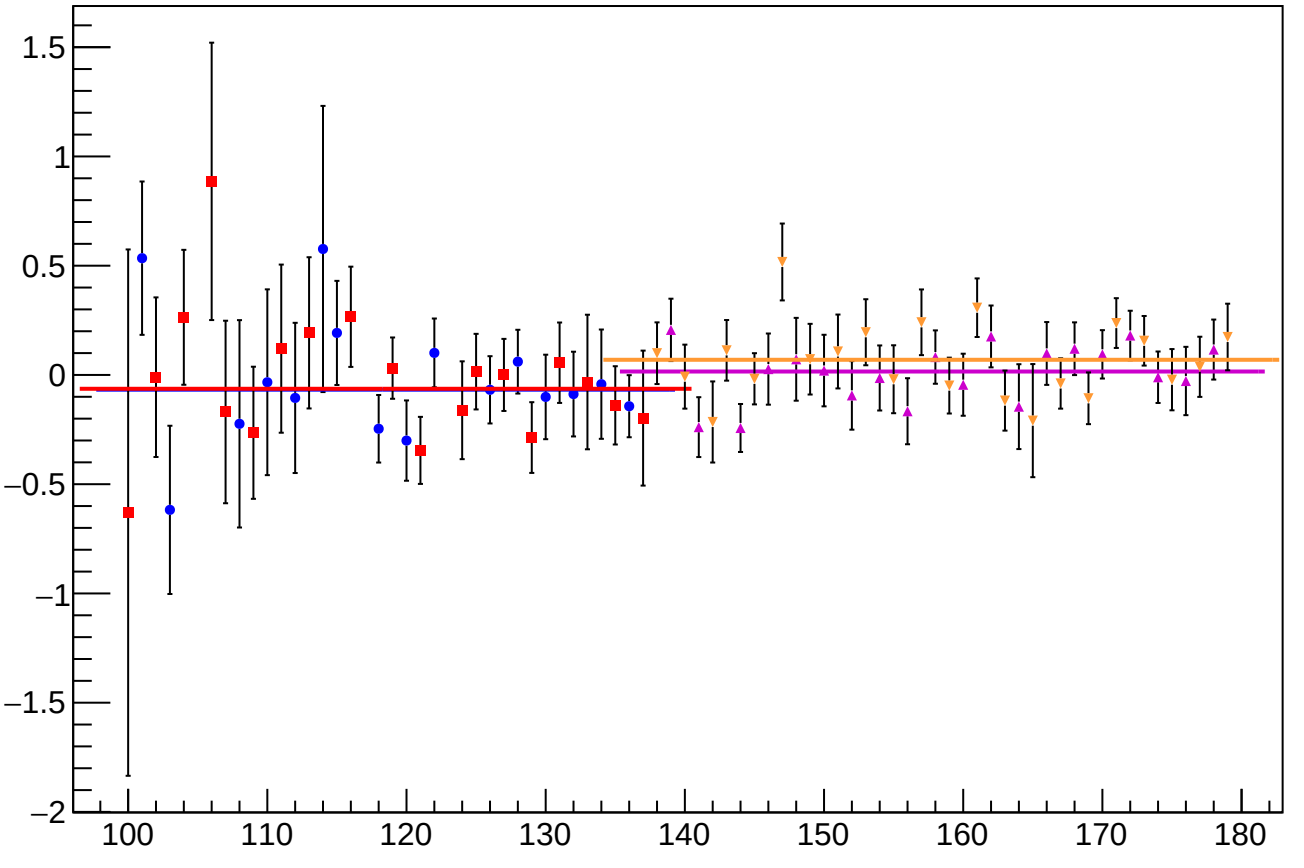
Left: 0.000+/-0.000 χ^2/NDF: 2993580.6/41

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4662557.2/35

Out: 0.000+/-0.000 χ^2/NDF:5540512.3/40

All: 0.000+/-0.000 χ^2/NDF: 10240132.0/76



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.016+/-0.031 χ^2/NDF:19.6/19

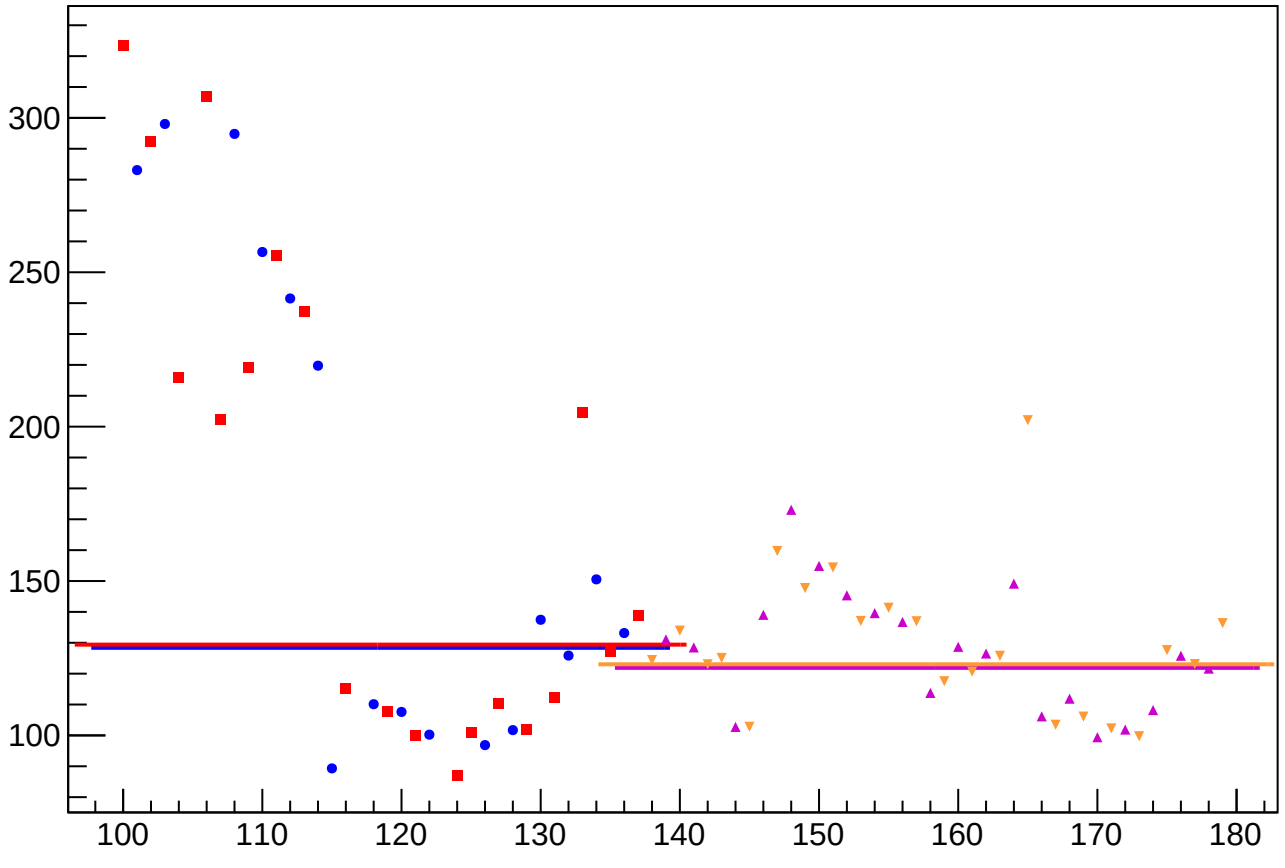
Left: 0.043+/-0.021 χ^2/NDF: 47.2/41

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.015+/-0.019 χ^2/NDF: 80.3/76



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.035+/-0.021 χ^2/NDF:794314.8/21

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.883+/-0.022 χ^2/NDF:681220.8/19

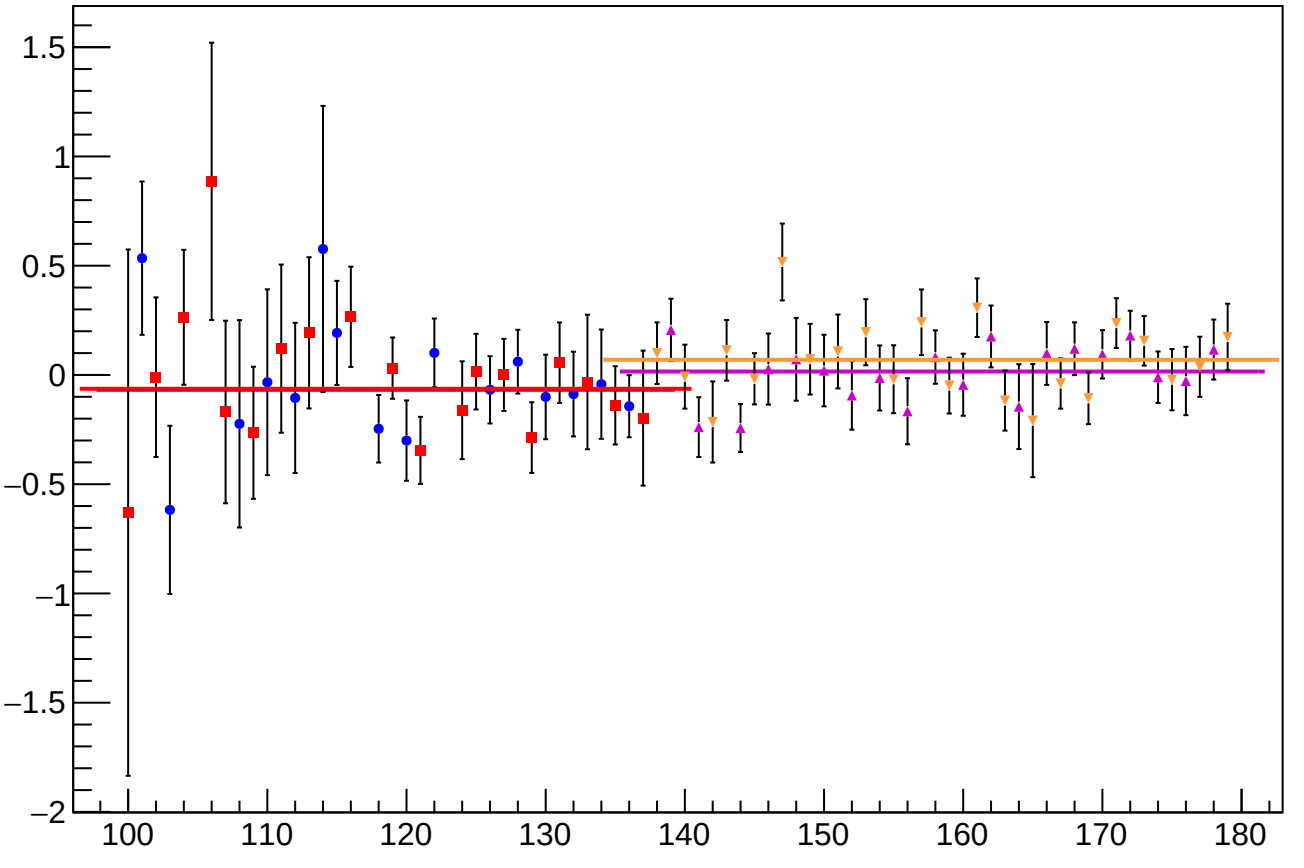
Left: 122.476+/-0.015 χ^2/NDF: 1476974.6/41

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.583+/-0.019 χ^2/NDF:2509555.1/35

Out: 124.634+/-0.018 χ^2/NDF:2705346.0/40

All: 124.120+/-0.013 χ^2/NDF: 5216514.4/76



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.016+/-0.031 χ^2/NDF:19.6/19

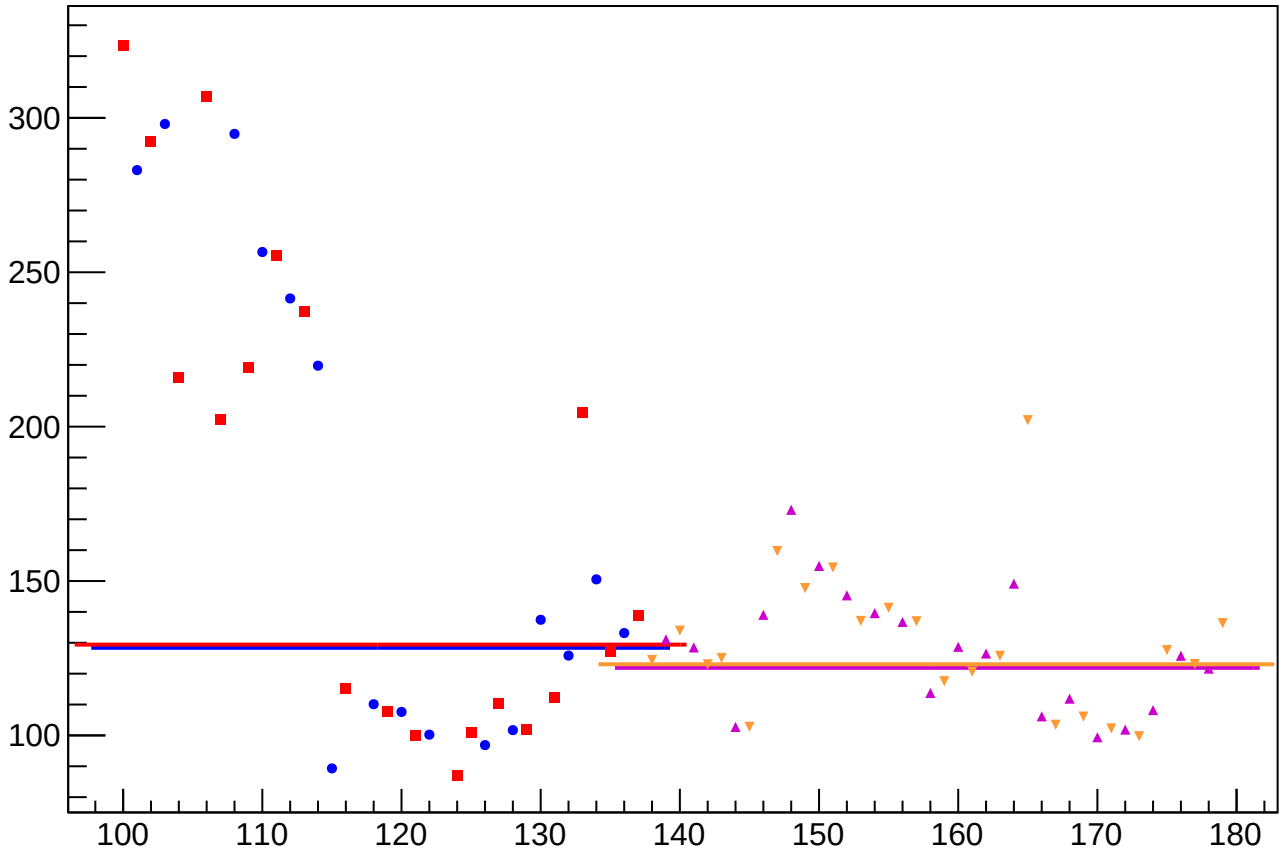
Left: 0.043+/-0.021 χ^2/NDF: 47.2/41

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.015+/-0.019 χ^2/NDF: 80.3/76



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 123.035+/-0.021 χ^2/NDF:794314.8/21

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.883+/-0.022 χ^2/NDF:681220.8/19

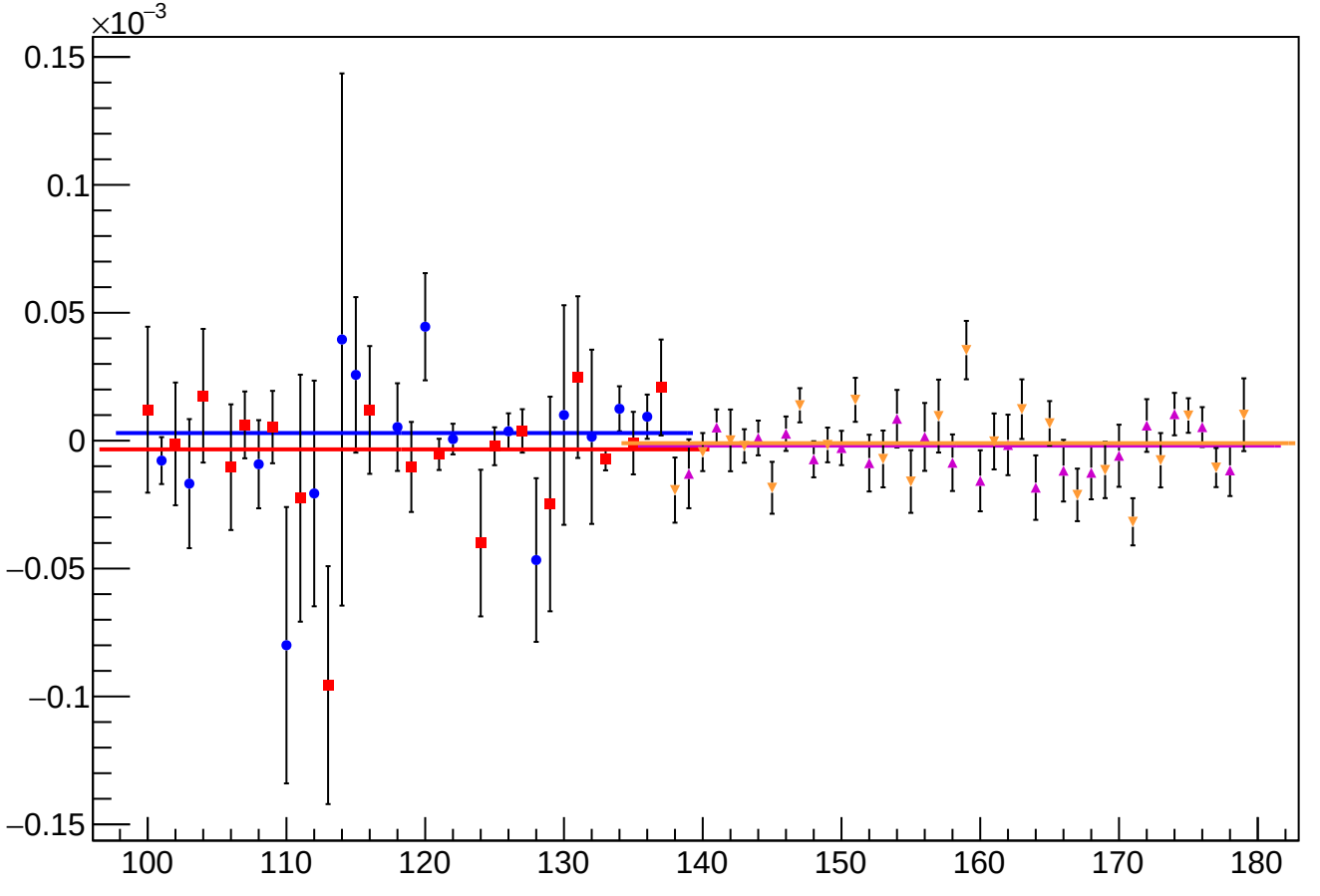
Left: 122.476+/-0.015 χ^2/NDF: 1476974.6/41

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.583+/-0.019 χ^2/NDF:2509555.1/35

Out: 124.634+/-0.018 χ^2/NDF:2705346.0/40

All: 124.120+/-0.013 χ^2/NDF: 5216514.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/19

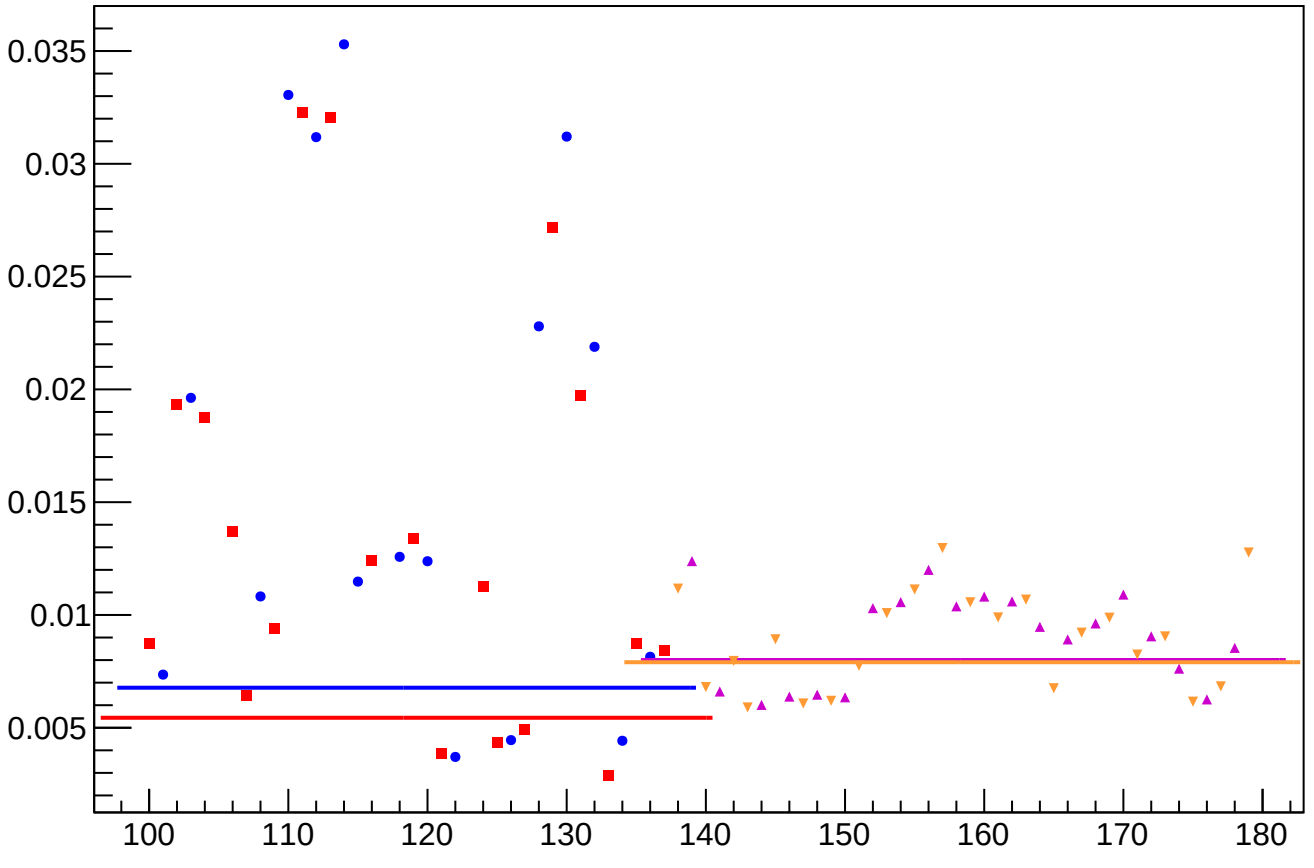
Left: -0.000+/-0.000 χ^2/NDF: 63.9/41

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:29.8/35

Out: -0.000+/-0.000 χ^2/NDF:62.9/40

All: -0.000+/-0.000 χ^2/NDF: 93.1/76



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1980071.5/21

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1797661.4/19

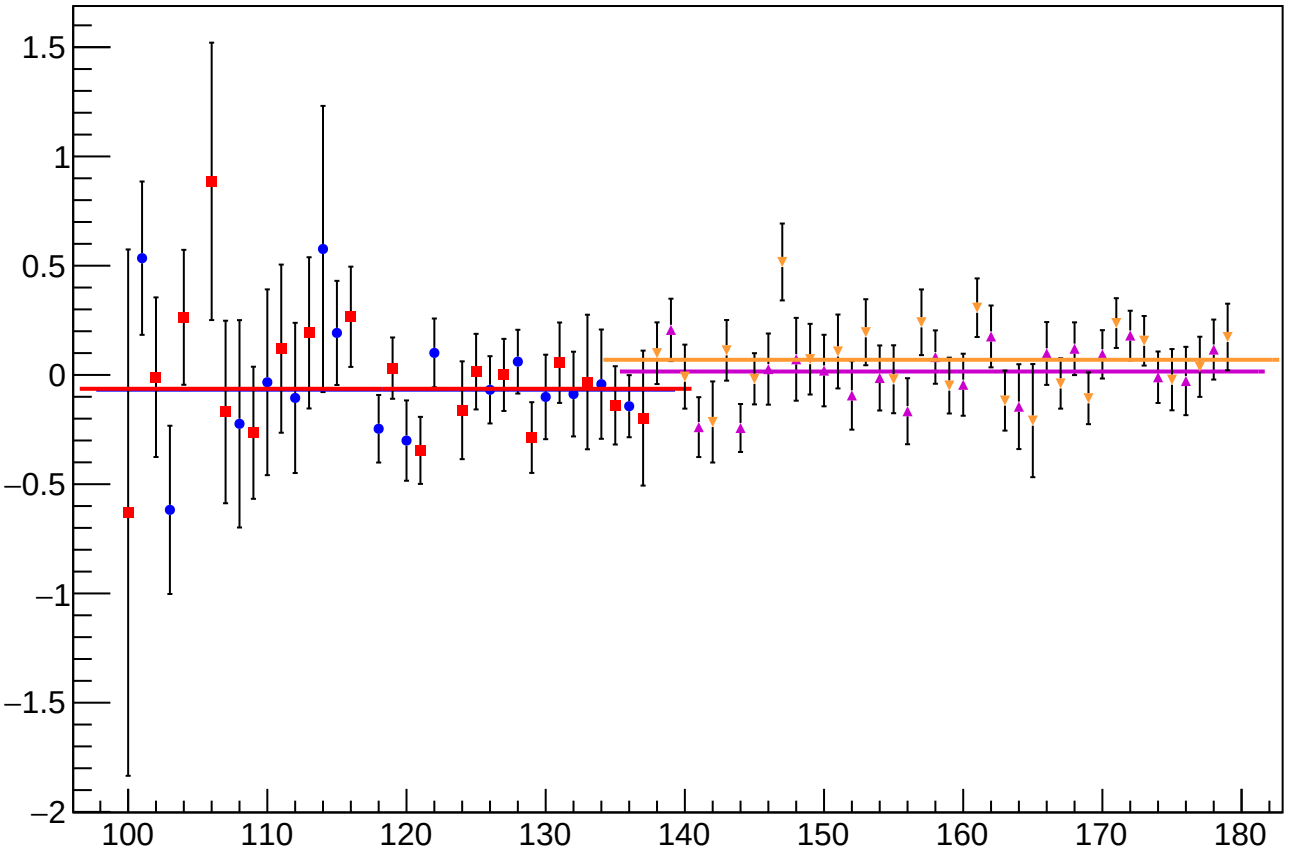
Left: 0.008+/-0.000 χ^2/NDF: 3780160.9/41

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6783888.7/35

Out: 0.007+/-0.000 χ^2/NDF:8699465.4/40

All: 0.007+/-0.000 χ^2/NDF: 15626864.7/76



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.016+/-0.031 χ^2/NDF:19.6/19

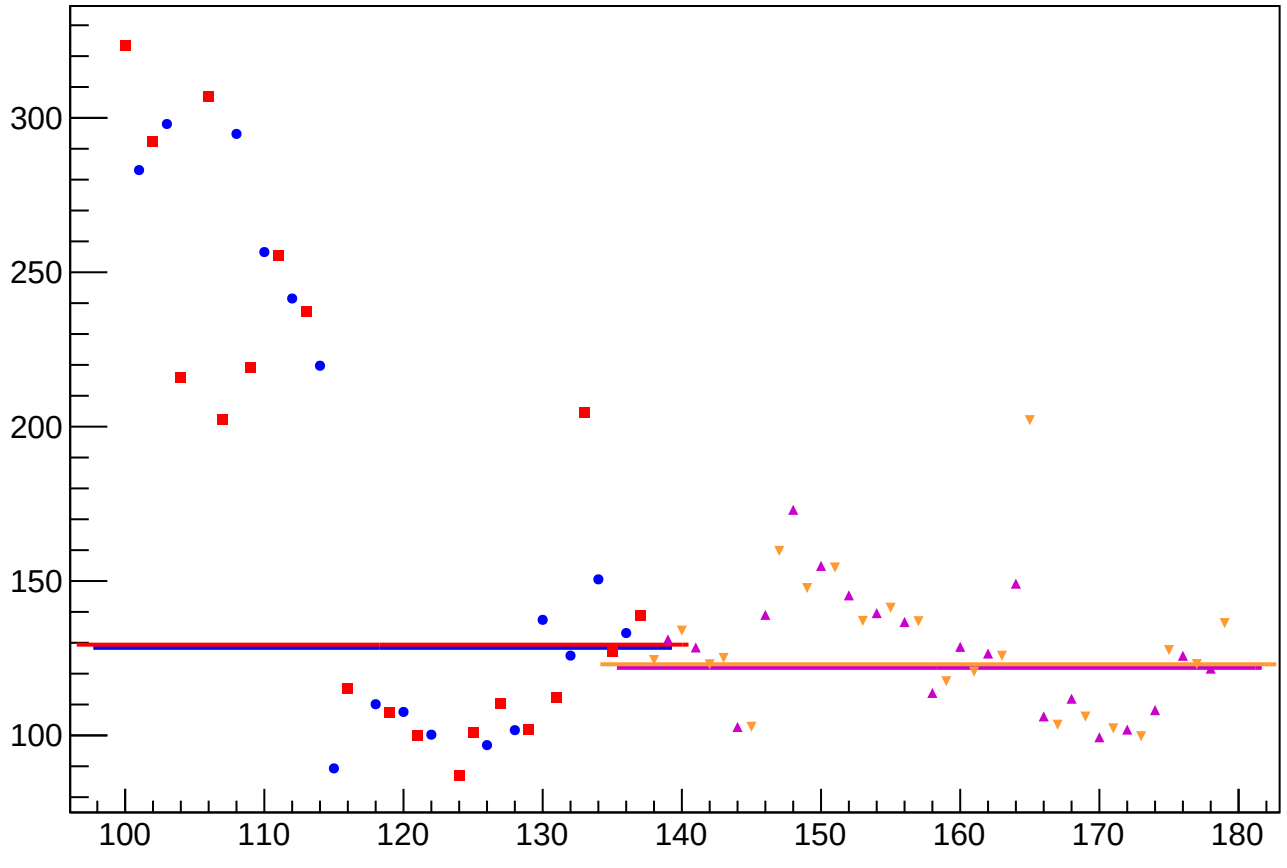
Left: 0.043+/-0.021 χ^2/NDF: 47.2/41

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.015+/-0.019 χ^2/NDF: 80.3/76



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.035+/-0.021 χ^2/NDF:794368.0/21

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.883+/-0.022 χ^2/NDF:681246.7/19

Left: 122.476+/-0.015 χ^2/NDF: 1477054.0/41

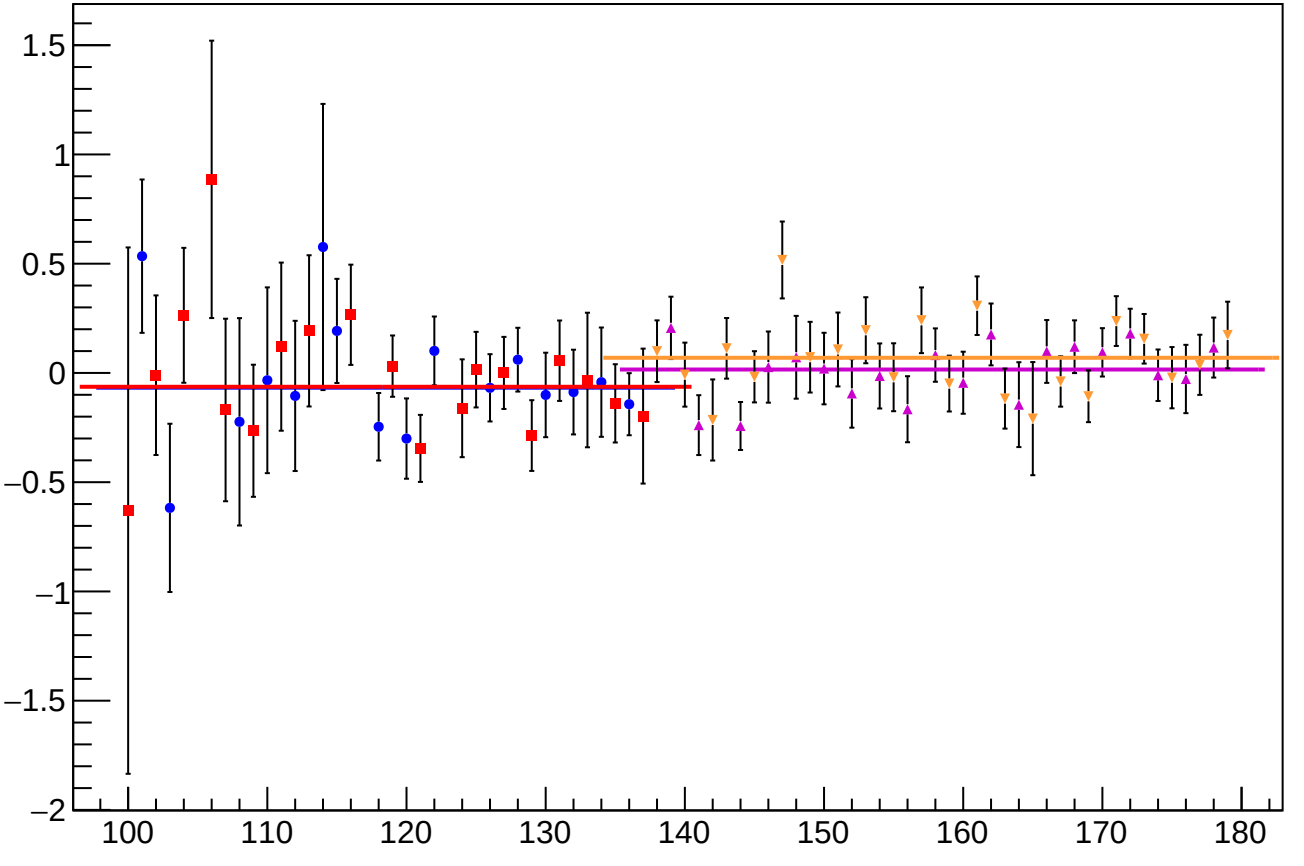
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.582+/-0.019 χ^2/NDF:2509510.1/35

Out: 124.633+/-0.018 χ^2/NDF:2705379.5/40

All: 124.120+/-0.013 χ^2/NDF: 5216503.1/76

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.030 χ^2/NDF:26.0/21

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.016+/-0.031 χ^2/NDF:19.6/19

Left: 0.043+/-0.021 χ^2/NDF: 47.2/41

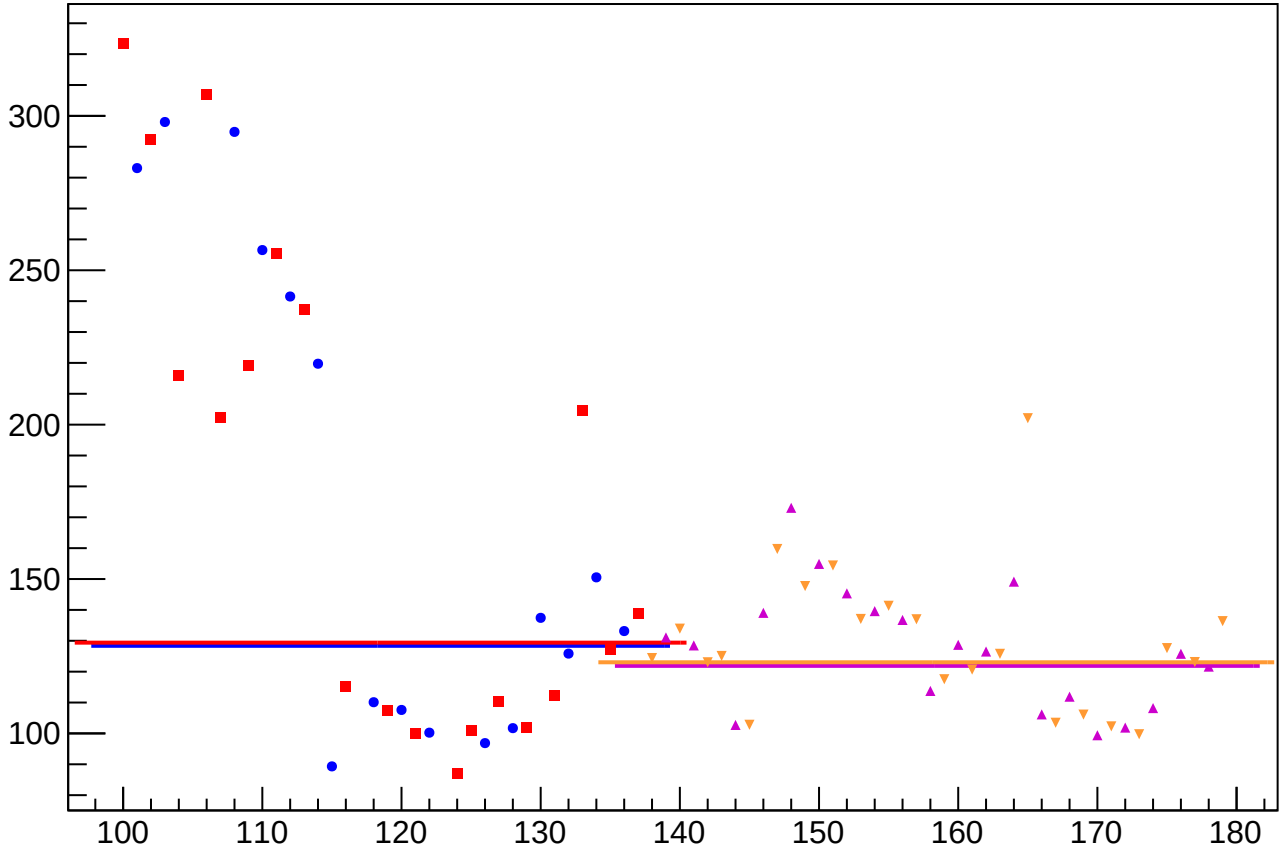
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.036+/-0.026 χ^2/NDF:45.0/40

All: 0.015+/-0.019 χ^2/NDF: 80.3/76

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 123.035+/-0.021 χ^2/NDF:794368.0/21

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.883+/-0.022 χ^2/NDF:681246.7/19

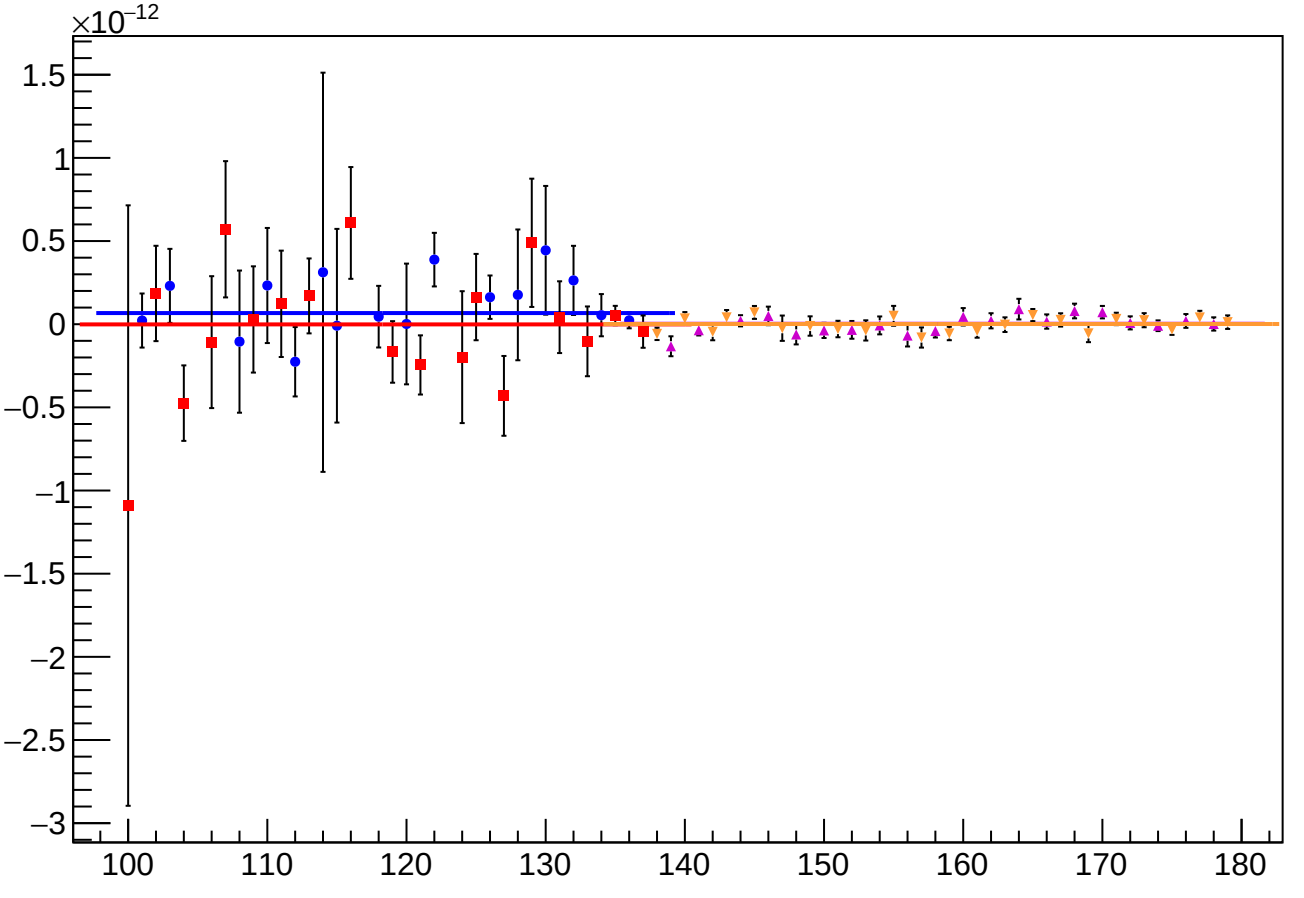
Left: 122.476+/-0.015 χ^2/NDF: 1477054.0/41

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.582+/-0.019 χ^2/NDF:2509510.1/35

Out: 124.633+/-0.018 χ^2/NDF:2705379.5/40

All: 124.120+/-0.013 χ^2/NDF: 5216503.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:22.1/19

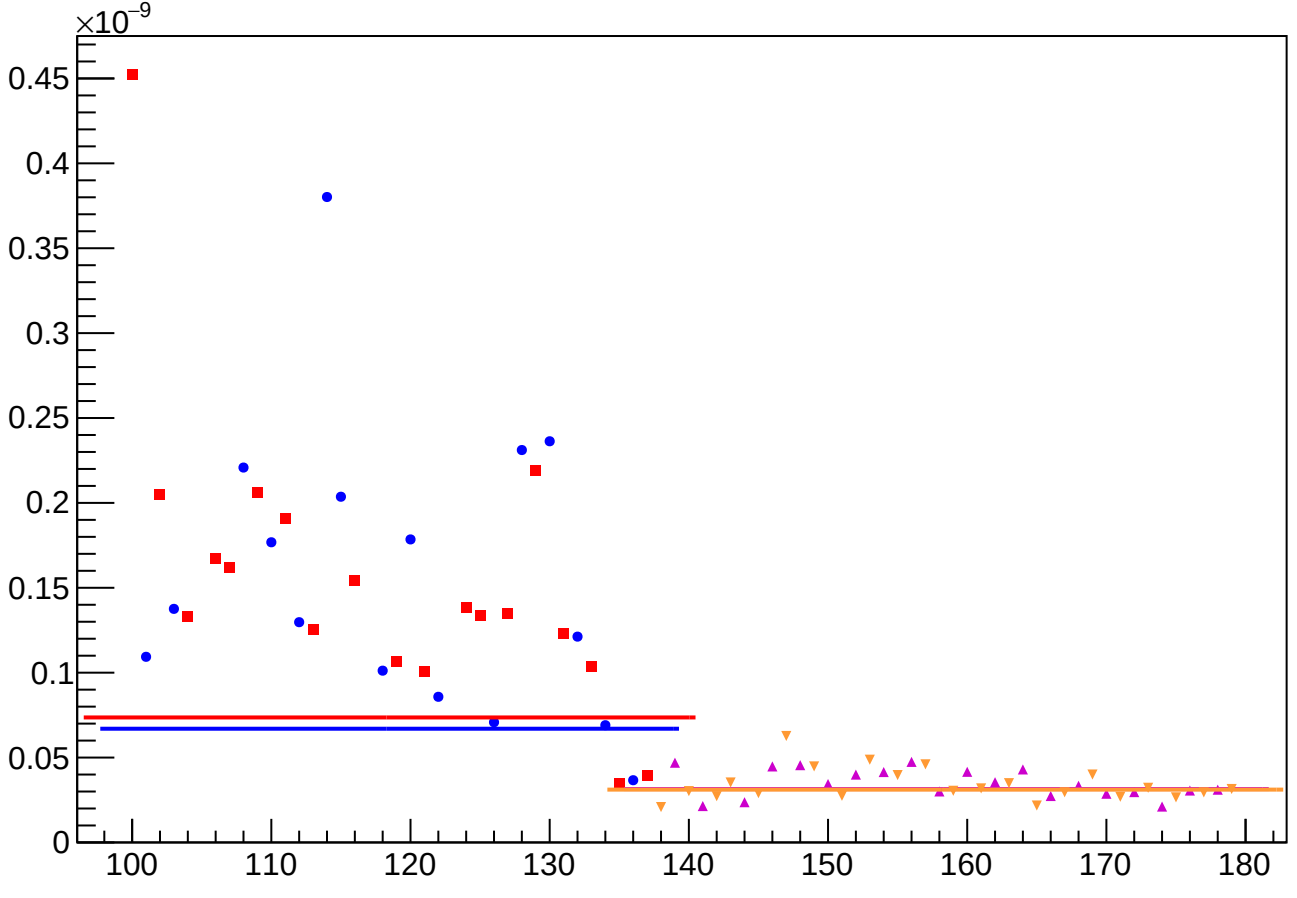
Left: 0.000+/-0.000 χ^2/NDF: 43.4/41

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.4/35

Out: 0.000+/-0.000 χ^2/NDF:41.9/40

All: 0.000+/-0.000 χ^2/NDF: 77.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262189.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1318112.5/19

Left: 0.000+/-0.000 χ^2/NDF: 2581462.2/41

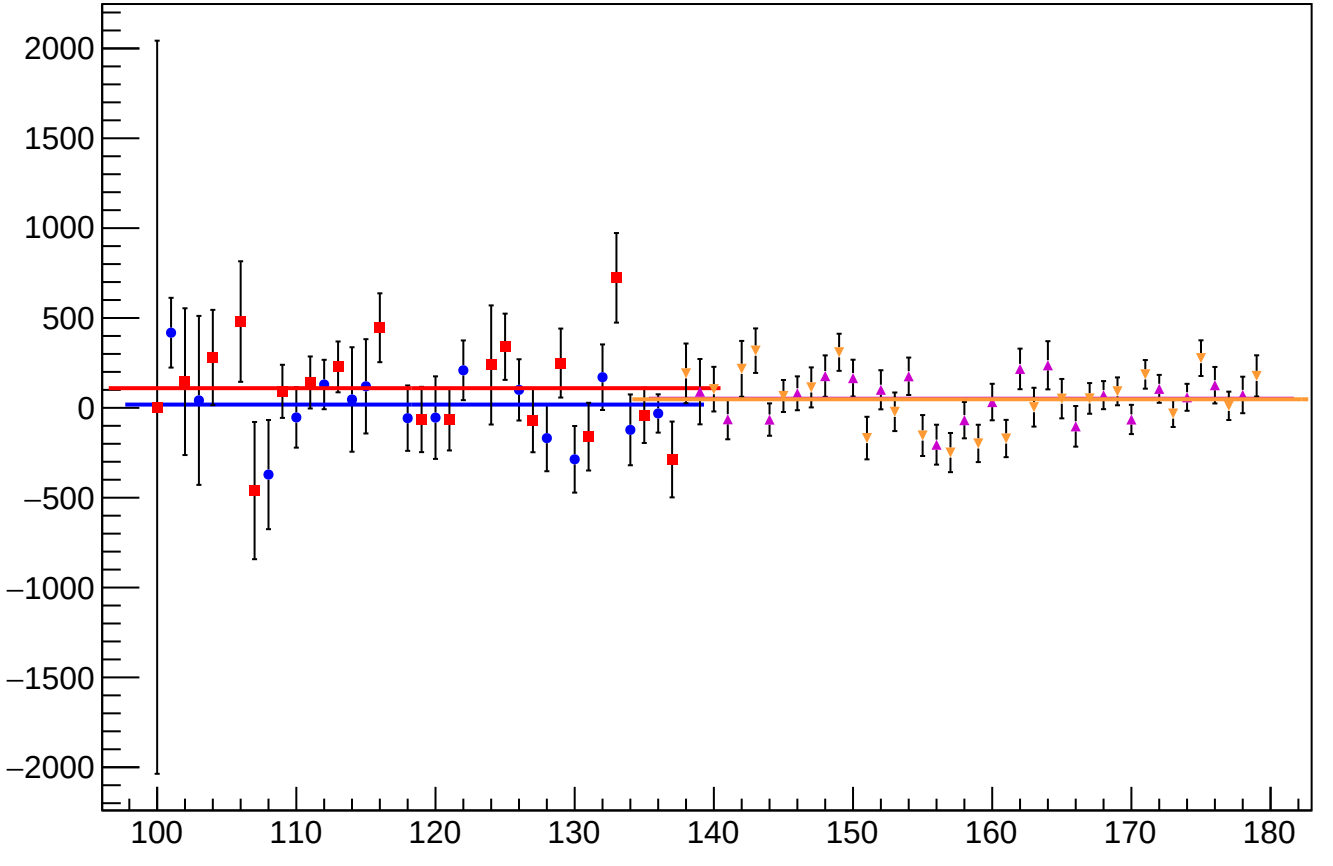
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6304043.7/35

Out: 0.000+/-0.000 χ^2/NDF:7122085.8/40

All: 0.000+/-0.000 χ^2/NDF: 13428990.1/76

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.763+/-21.518 χ^2/NDF:49.5/21

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 50.798+/-22.174 χ^2/NDF:22.8/19

Left: 49.235+/-15.442 χ^2/NDF: 72.3/41

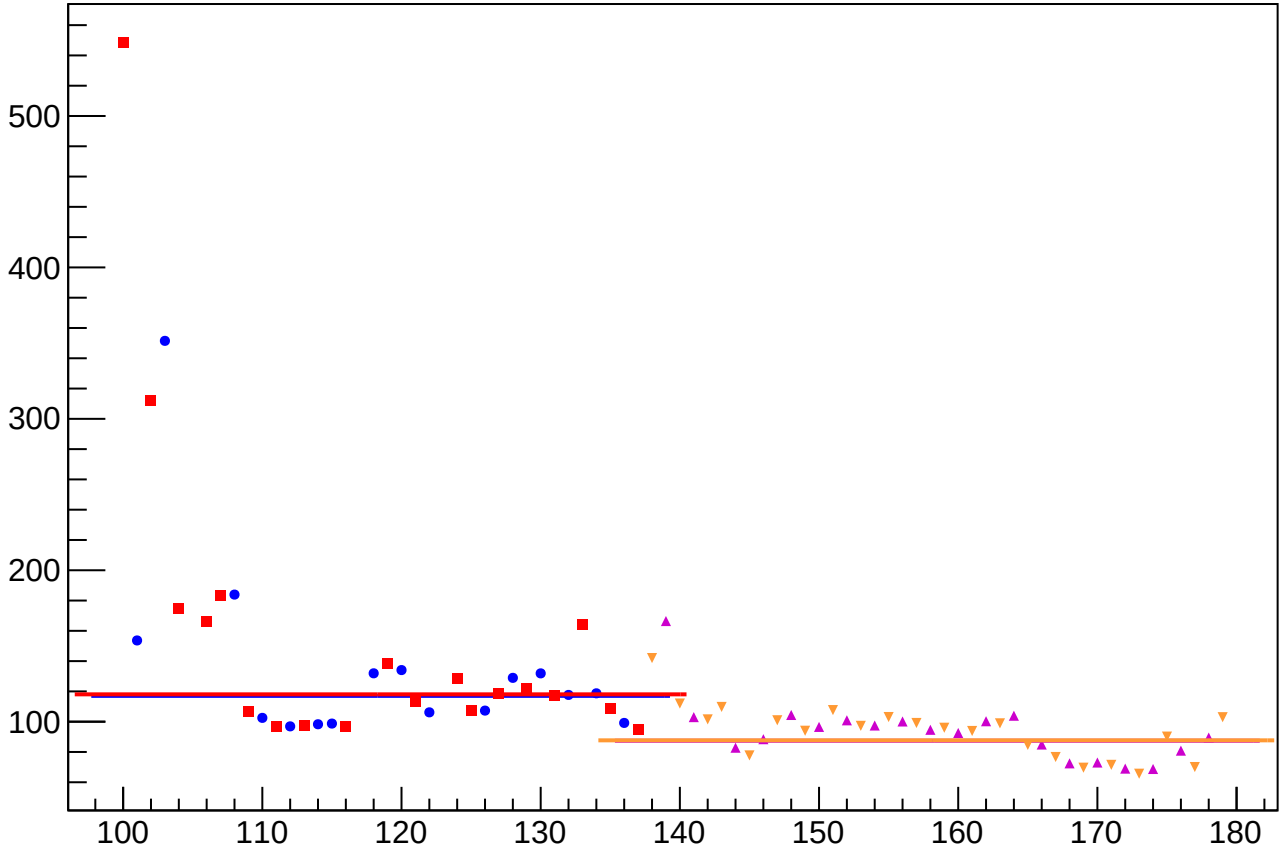
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 44.588+/-19.950 χ^2/NDF:37.1/35

Out: 58.905+/-19.477 χ^2/NDF:76.4/40

All: 51.918+/-13.937 χ^2/NDF: 113.8/76

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140036.0/21

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

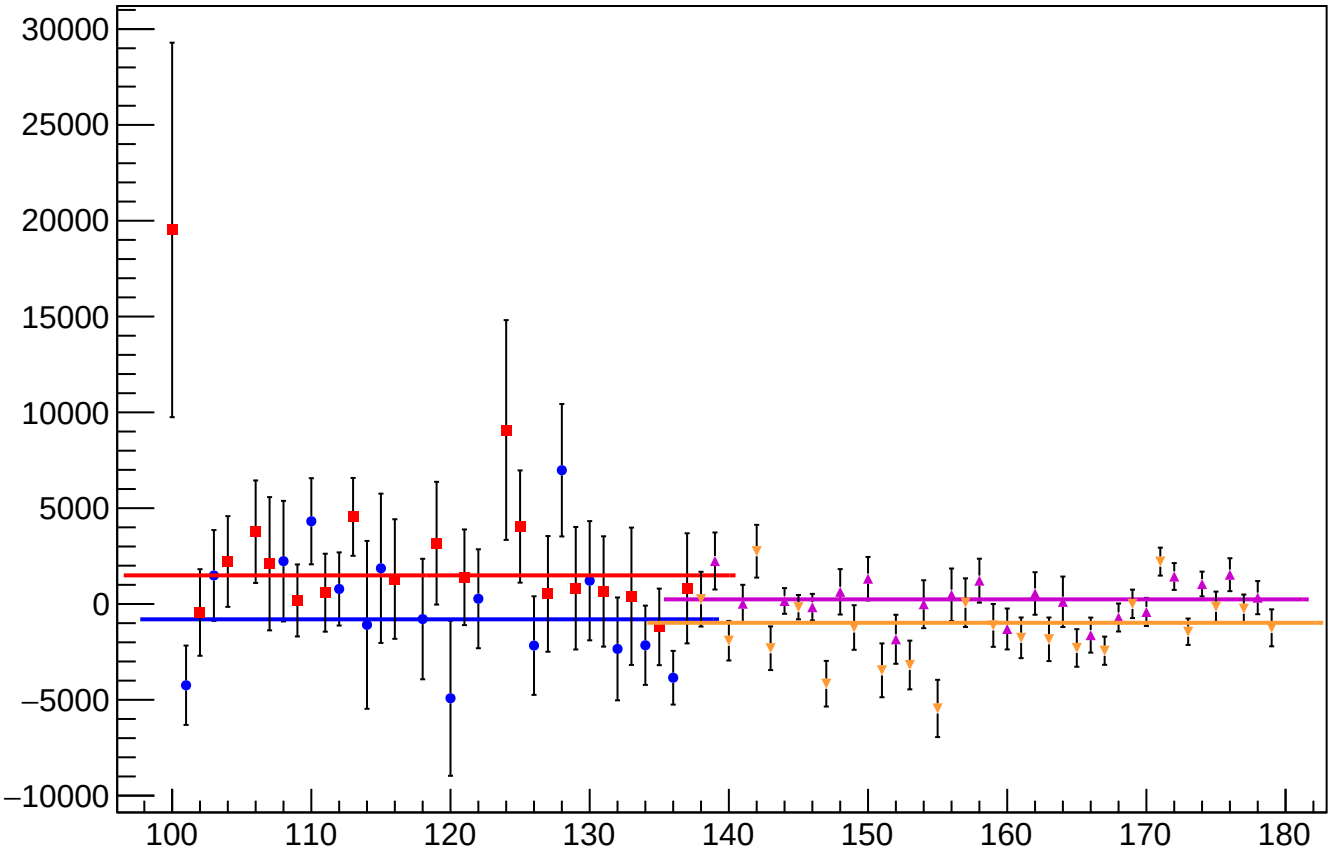
Left: 87.549+/-0.011 χ^2/NDF: 2151478.9/41

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.059+/-0.014 χ^2/NDF:2551202.5/35

Out: 93.169+/-0.014 χ^2/NDF:2850818.3/40

All: 93.115+/-0.010 χ^2/NDF: 5402052.2/76



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -981.074+/-202.046 χ^2/NDF:65.3/21

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 241.777+/-203.547 χ^2/NDF:22.2/19

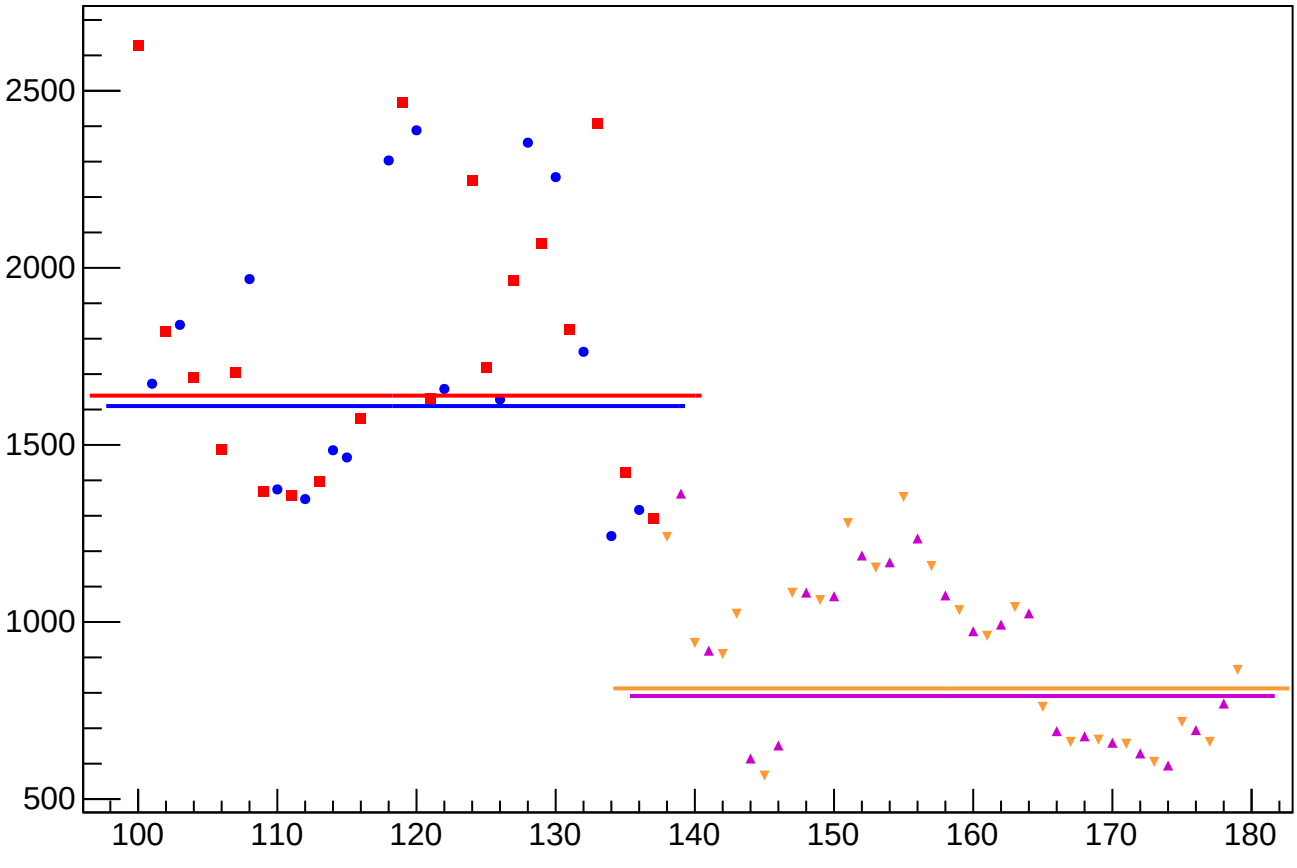
Left: -374.174+/-143.396 χ^2/NDF: 105.7/41

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 139.314+/-193.270 χ^2/NDF:48.2/35

Out: -738.615+/-191.894 χ^2/NDF:92.9/40

All: -302.785+/-136.173 χ^2/NDF: 151.5/76



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 812.508+/-0.143 χ^2/NDF:2314838.3/21

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 790.938+/-0.144 χ^2/NDF:2144169.4/19

Left: 801.803+/-0.101 χ^2/NDF: 4470320.2/41

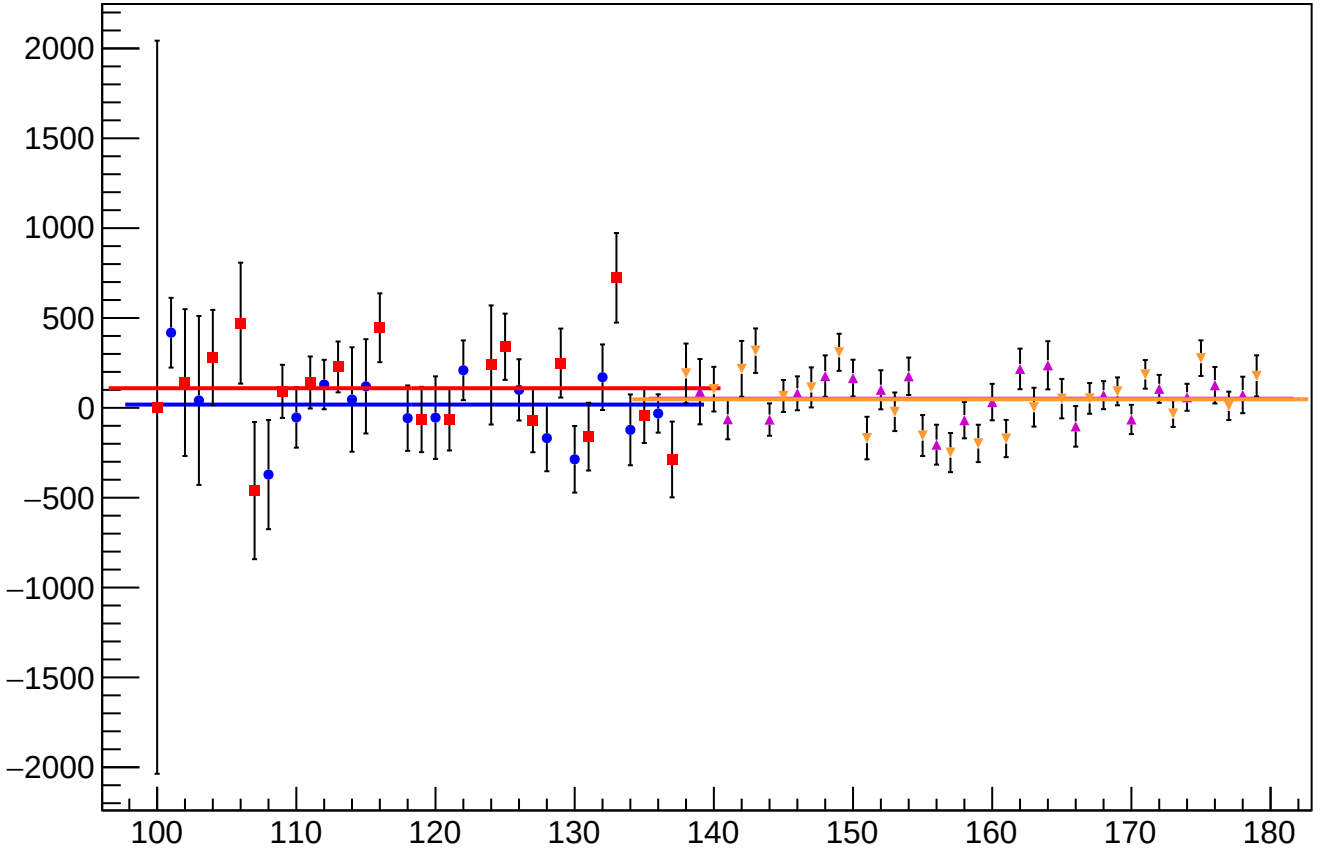
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 871.542+/-0.137 χ^2/NDF:5949360.0/35

Out: 893.498+/-0.136 χ^2/NDF:6115416.7/40

All: 882.598+/-0.096 χ^2/NDF: 12077775.0/76

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 50.800+/-22.174 χ^2/NDF:22.8/19

Left: 49.239+/-15.442 χ^2/NDF: 72.3/41

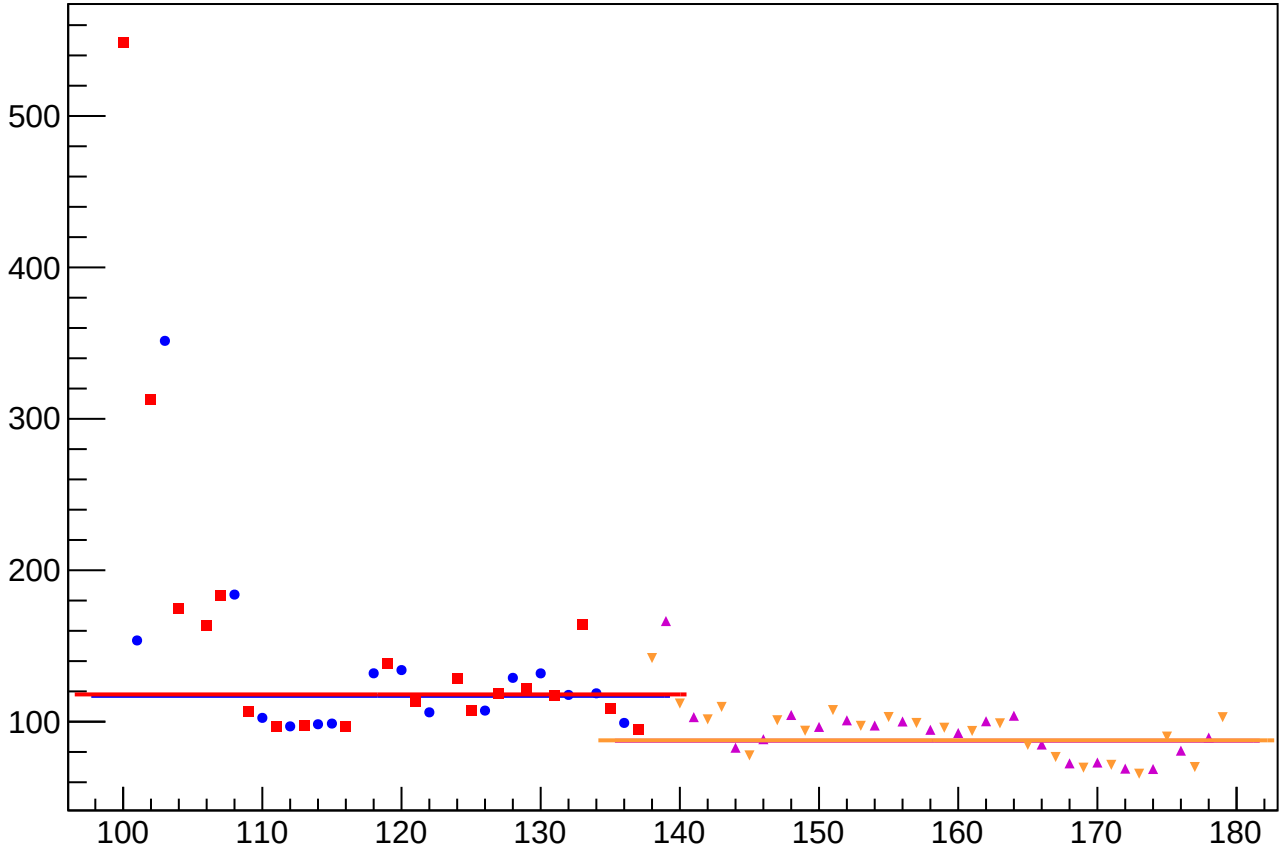
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.587+/-19.950 χ^2/NDF:37.1/35

Out: 58.857+/-19.478 χ^2/NDF:76.4/40

All: 51.893+/-13.937 χ^2/NDF: 113.7/76

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140035.9/21

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

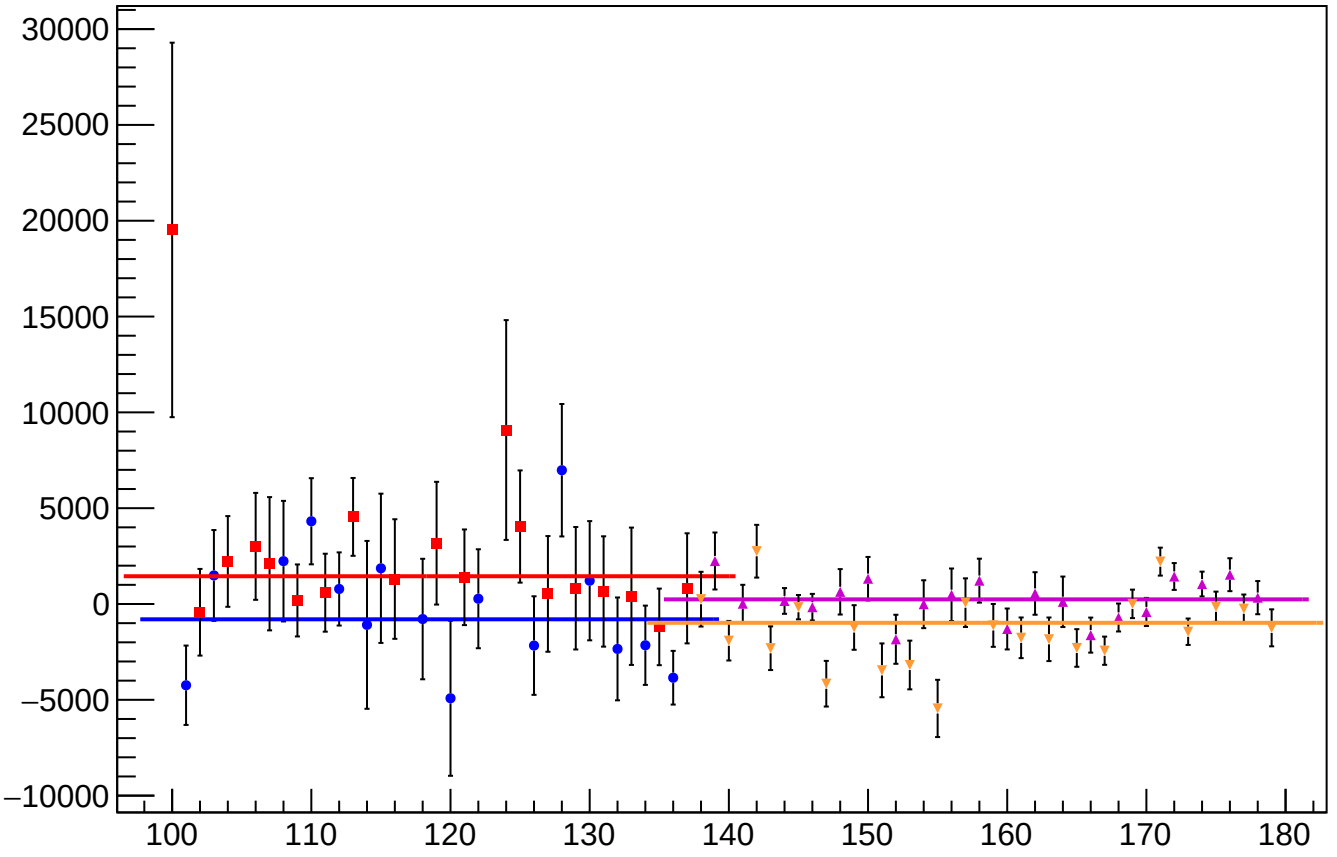
Left: 87.549+/-0.011 χ^2/NDF: 2151478.9/41

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.059+/-0.014 χ^2/NDF:2551204.1/35

Out: 93.159+/-0.014 χ^2/NDF:2844093.9/40

All: 93.110+/-0.010 χ^2/NDF: 5395324.0/76



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 241.779+/-203.547 χ^2/NDF:22.2/19

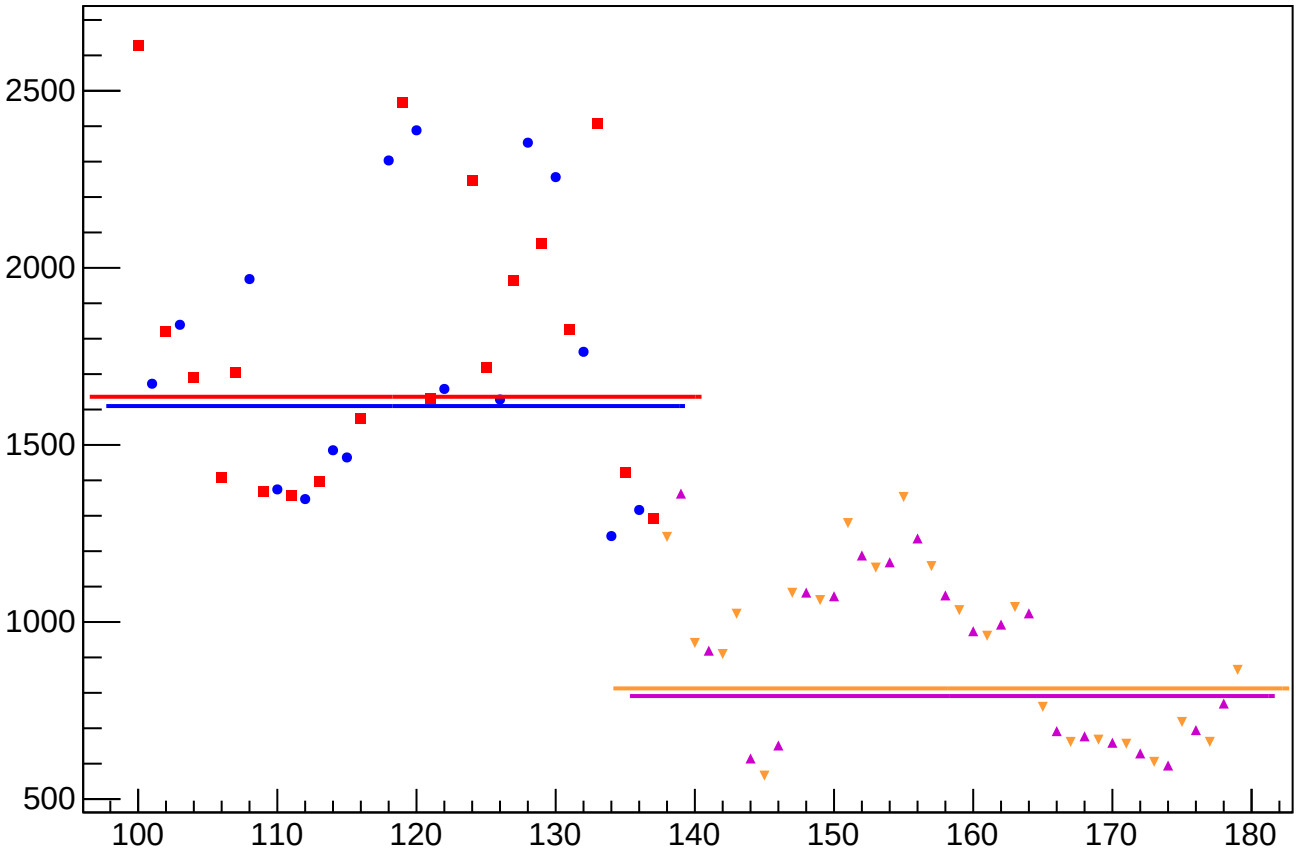
Left: -374.169+/-143.396 χ^2/NDF: 105.7/41

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 139.319+/-193.270 χ^2/NDF:48.2/35

Out: -744.001+/-191.936 χ^2/NDF:91.8/40

All: -305.401+/-136.188 χ^2/NDF: 150.6/76



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 790.938+/-0.144 χ^2/NDF:2144168.1/19

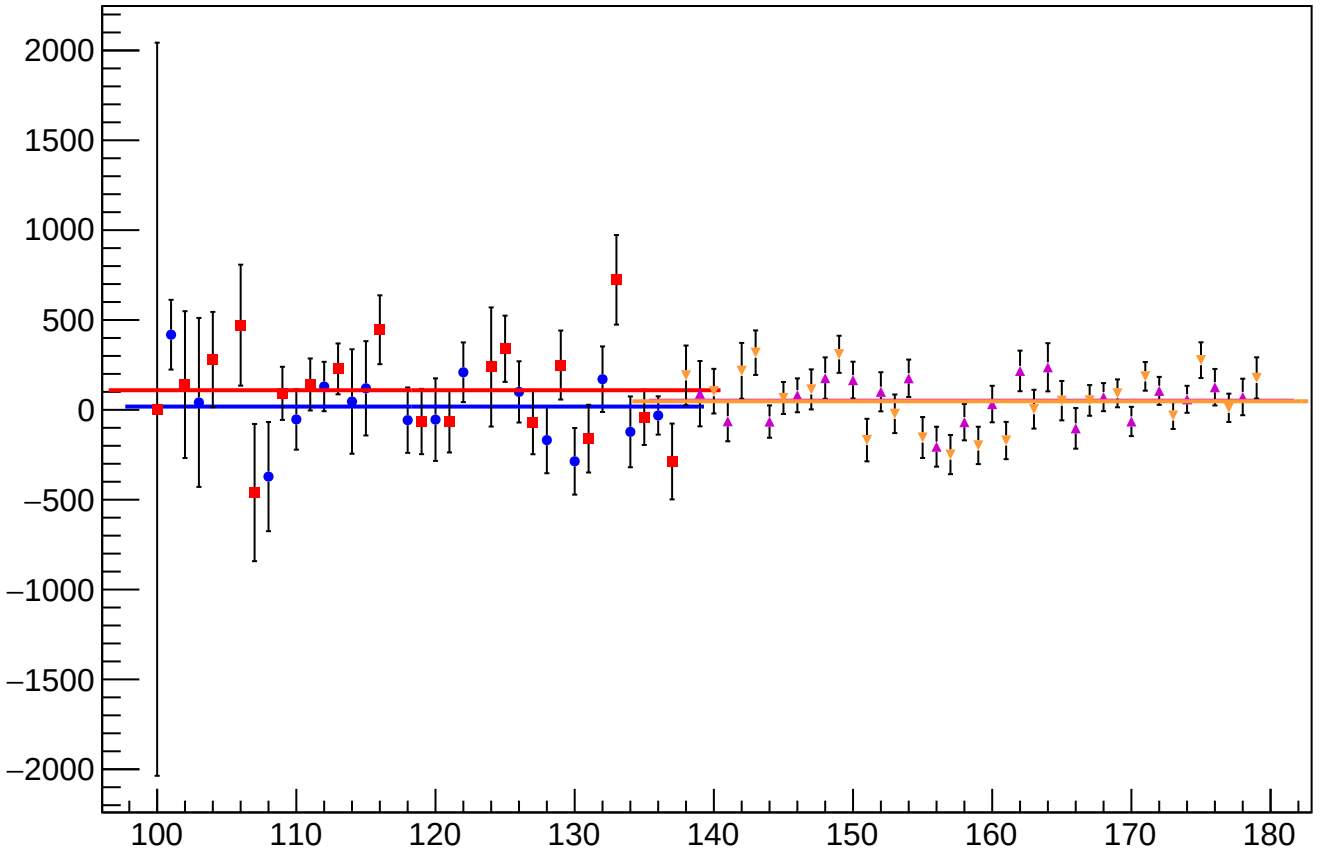
Left: 801.803+/-0.101 χ^2/NDF: 4470320.9/41

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 871.541+/-0.137 χ^2/NDF:5949417.7/35

Out: 892.866+/-0.136 χ^2/NDF:6084888.8/40

All: 882.277+/-0.096 χ^2/NDF: 12046564.4/76



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 47.768+/-21.518 χ^2/NDF:49.5/21

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 50.800+/-22.174 χ^2/NDF:22.8/19

Left: 49.239+/-15.442 χ^2/NDF: 72.3/41

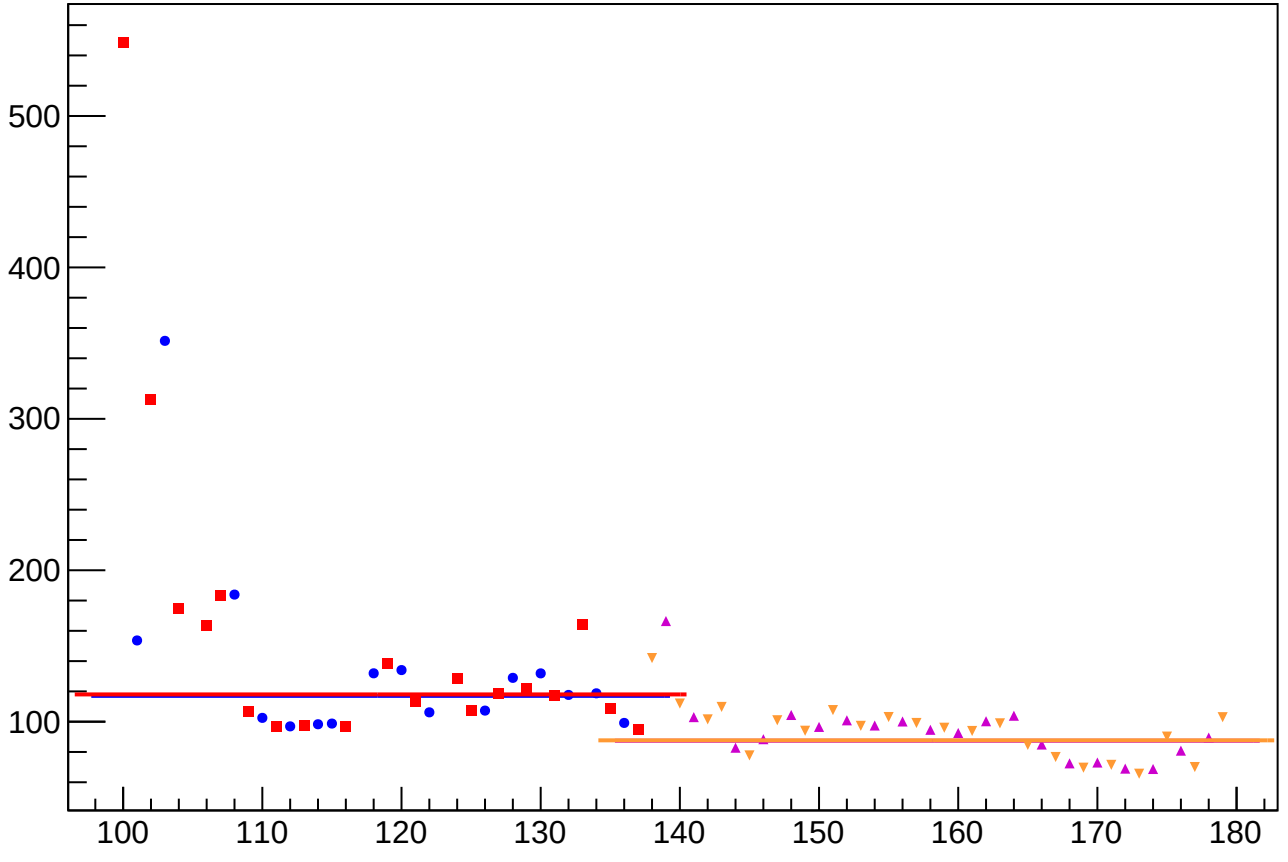
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.587+/-19.950 χ^2/NDF:37.1/35

Out: 58.857+/-19.478 χ^2/NDF:76.4/40

All: 51.893+/-13.937 χ^2/NDF: 113.7/76

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.682+/-0.015 χ^2/NDF:1140035.9/21

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.409+/-0.016 χ^2/NDF:1011287.1/19

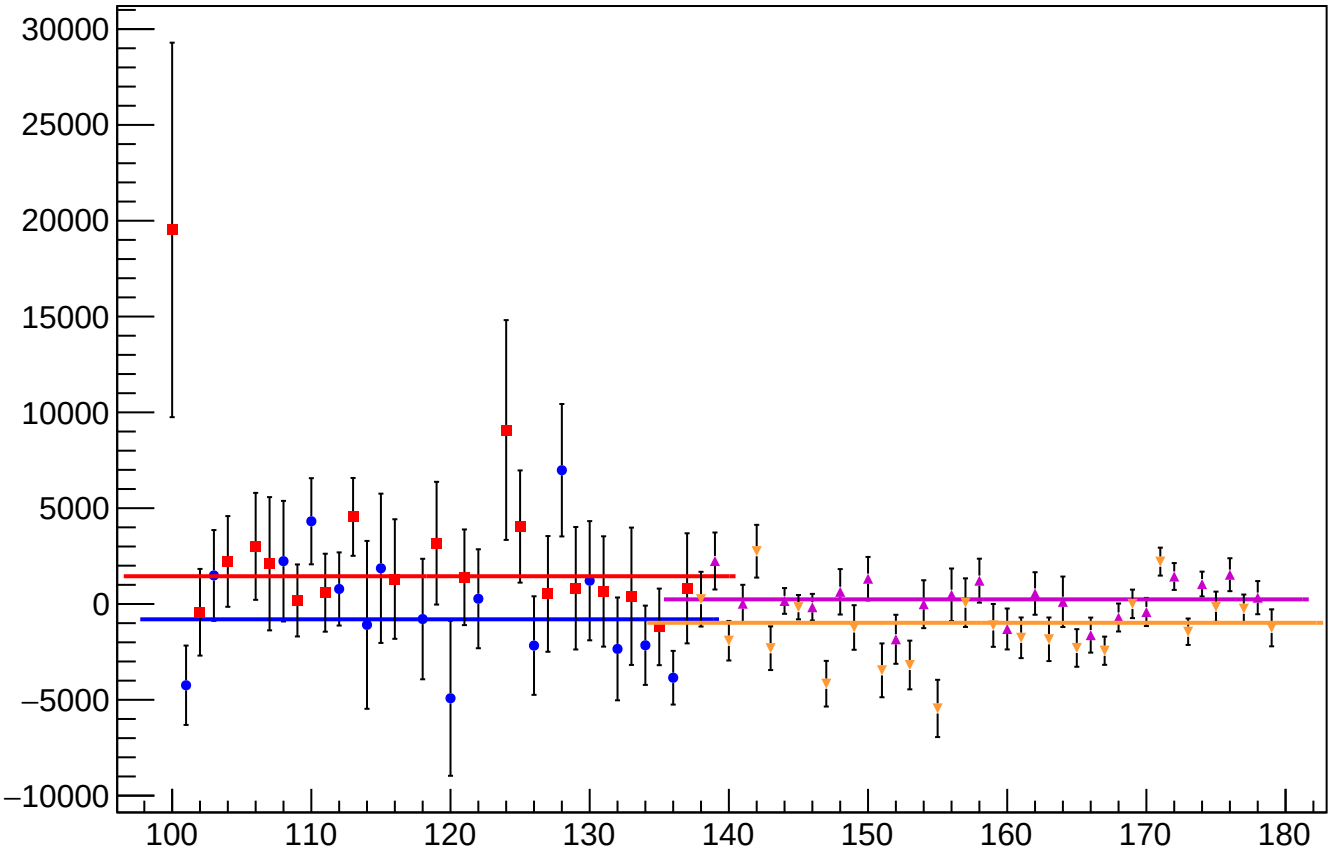
Left: 87.549+/-0.011 χ^2/NDF: 2151478.9/41

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.059+/-0.014 χ^2/NDF:2551204.1/35

Out: 93.159+/-0.014 χ^2/NDF:2844093.9/40

All: 93.110+/-0.010 χ^2/NDF: 5395324.0/76



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -981.065+/-202.046 χ^2/NDF:65.3/21

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 241.779+/-203.547 χ^2/NDF:22.2/19

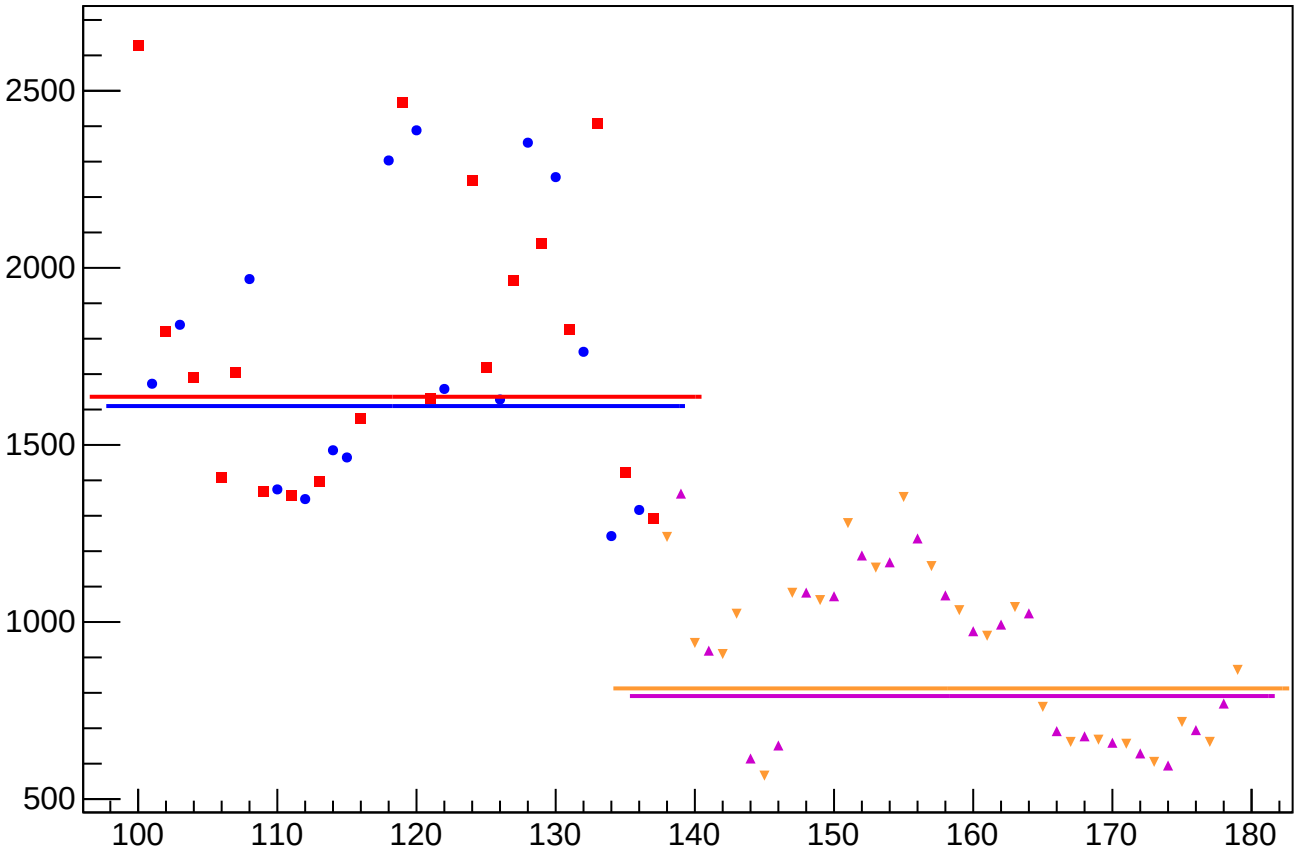
Left: -374.169+/-143.396 χ^2/NDF: 105.7/41

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 139.319+/-193.270 χ^2/NDF:48.2/35

Out: -744.001+/-191.936 χ^2/NDF:91.8/40

All: -305.401+/-136.188 χ^2/NDF: 150.6/76



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 812.507+/-0.143 χ^2/NDF:2314840.9/21

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 790.938+/-0.144 χ^2/NDF:2144168.1/19

Left: 801.803+/-0.101 χ^2/NDF: 4470320.9/41

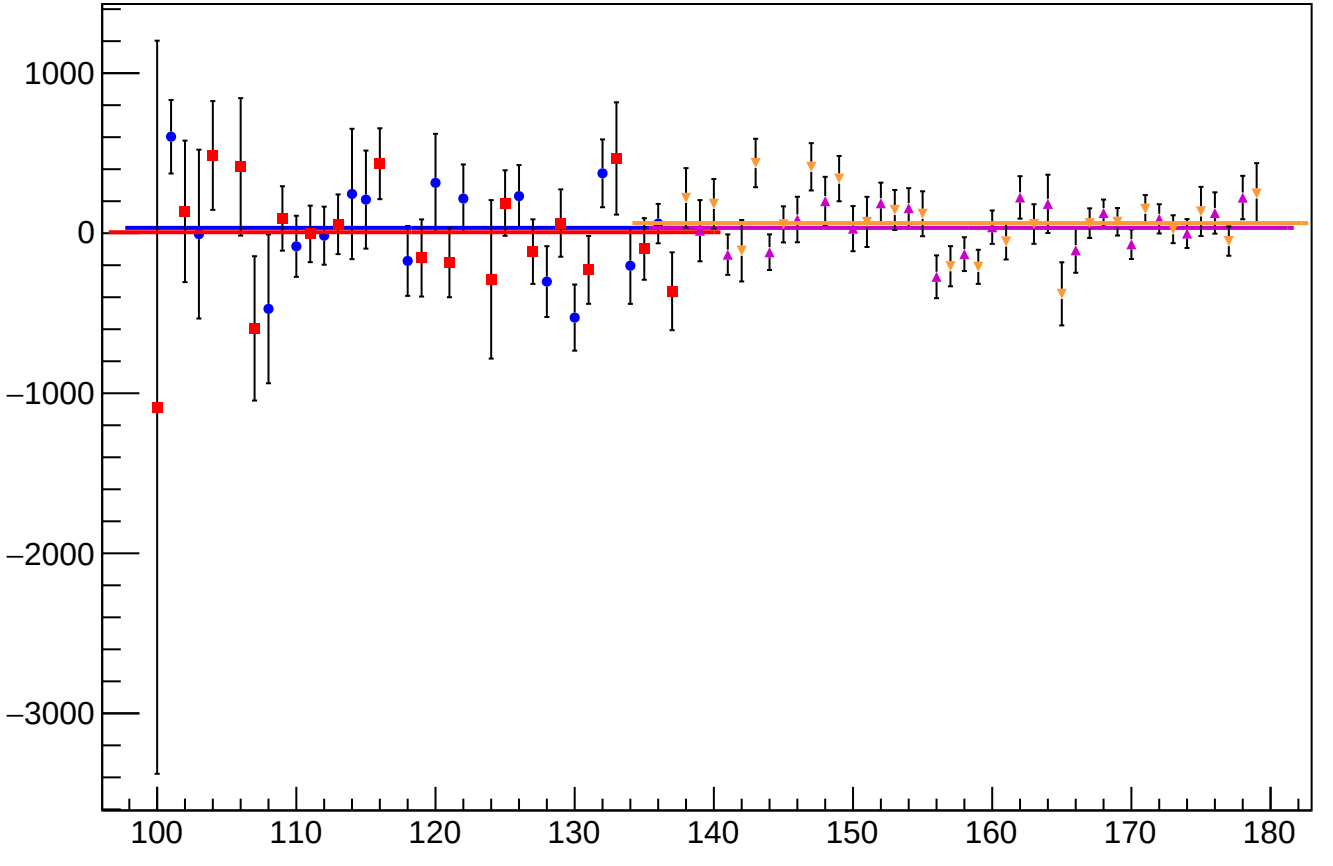
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 871.541+/-0.137 χ^2/NDF:5949417.7/35

Out: 892.866+/-0.136 χ^2/NDF:6084888.8/40

All: 882.277+/-0.096 χ^2/NDF: 12046564.4/76

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 63.396+/-25.793 χ^2/NDF:39.6/21

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 33.261+/-26.462 χ^2/NDF:24.2/19

Left: 48.714+/-18.470 χ^2/NDF: 64.5/41

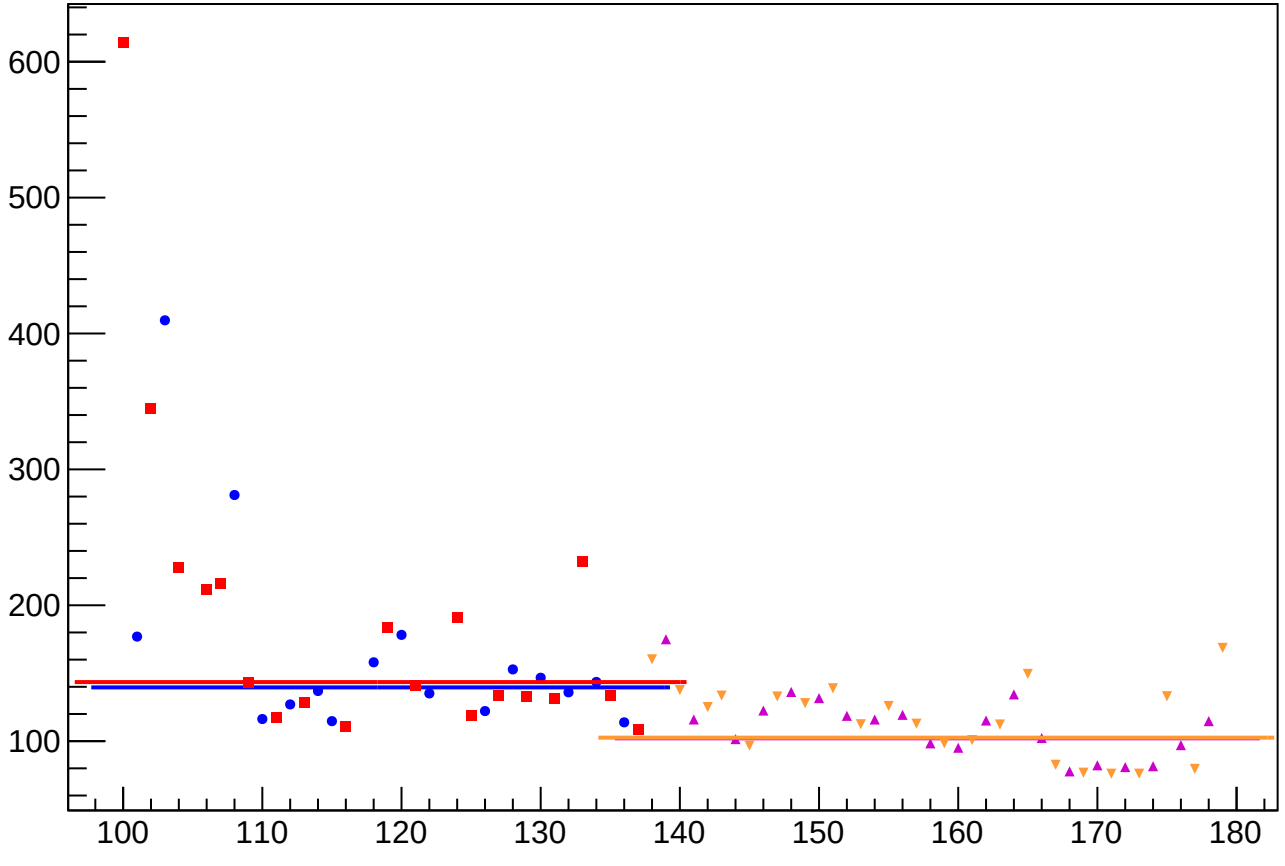
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 33.301+/-23.838 χ^2/NDF:49.4/35

Out: 53.396+/-23.434 χ^2/NDF:57.8/40

All: 43.520+/-16.711 χ^2/NDF: 107.5/76

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 102.587+/-0.018 χ^2/NDF:1973982.3/21

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 102.093+/-0.019 χ^2/NDF:1220345.6/19

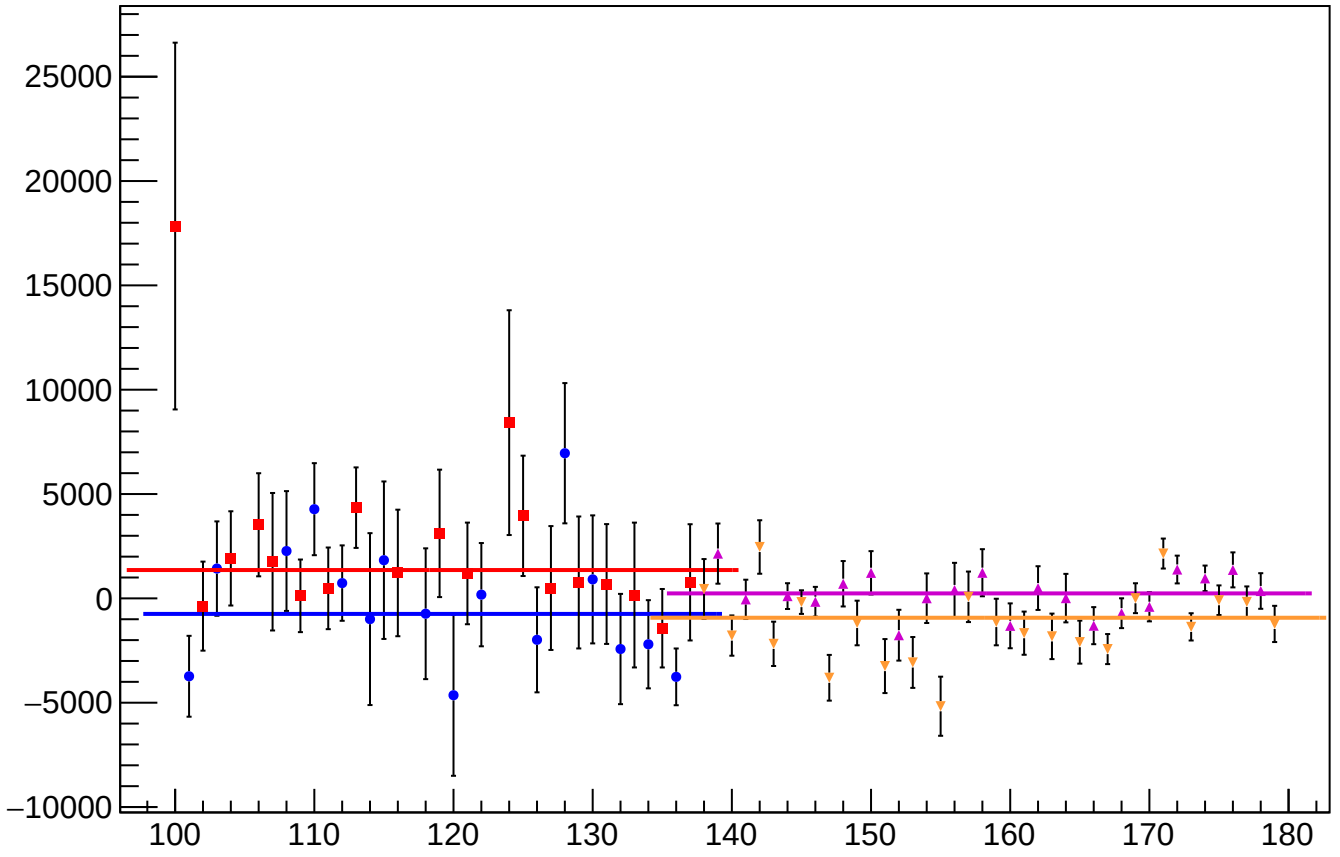
Left: 102.347+/-0.013 χ^2/NDF: 3194685.0/41

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 109.157+/-0.017 χ^2/NDF:2953038.6/35

Out: 109.725+/-0.017 χ^2/NDF:3968114.4/40

All: 109.446+/-0.012 χ^2/NDF: 6921731.2/76



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.936 χ^2/NDF:64.6/21

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 238.368+/-195.224 χ^2/NDF:20.8/19

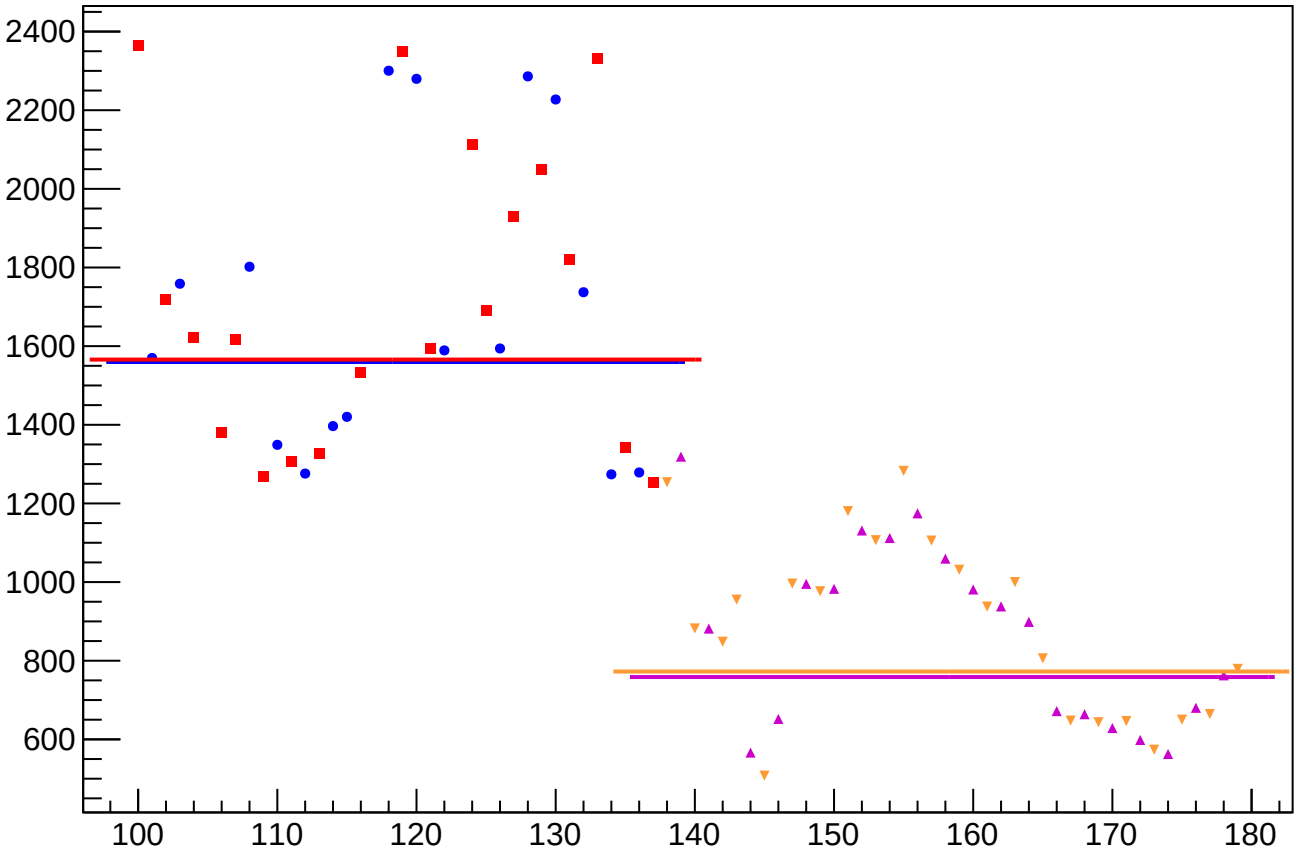
Left: -355.022+/-136.867 χ^2/NDF: 103.6/41

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 143.059+/-185.519 χ^2/NDF:46.7/35

Out: -706.935+/-182.395 χ^2/NDF:91.9/40

All: -289.154+/-130.063 χ^2/NDF: 149.3/76



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 772.541+/-0.136 χ^2/NDF:2391950.6/21

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 758.504+/-0.138 χ^2/NDF:2108309.6/19

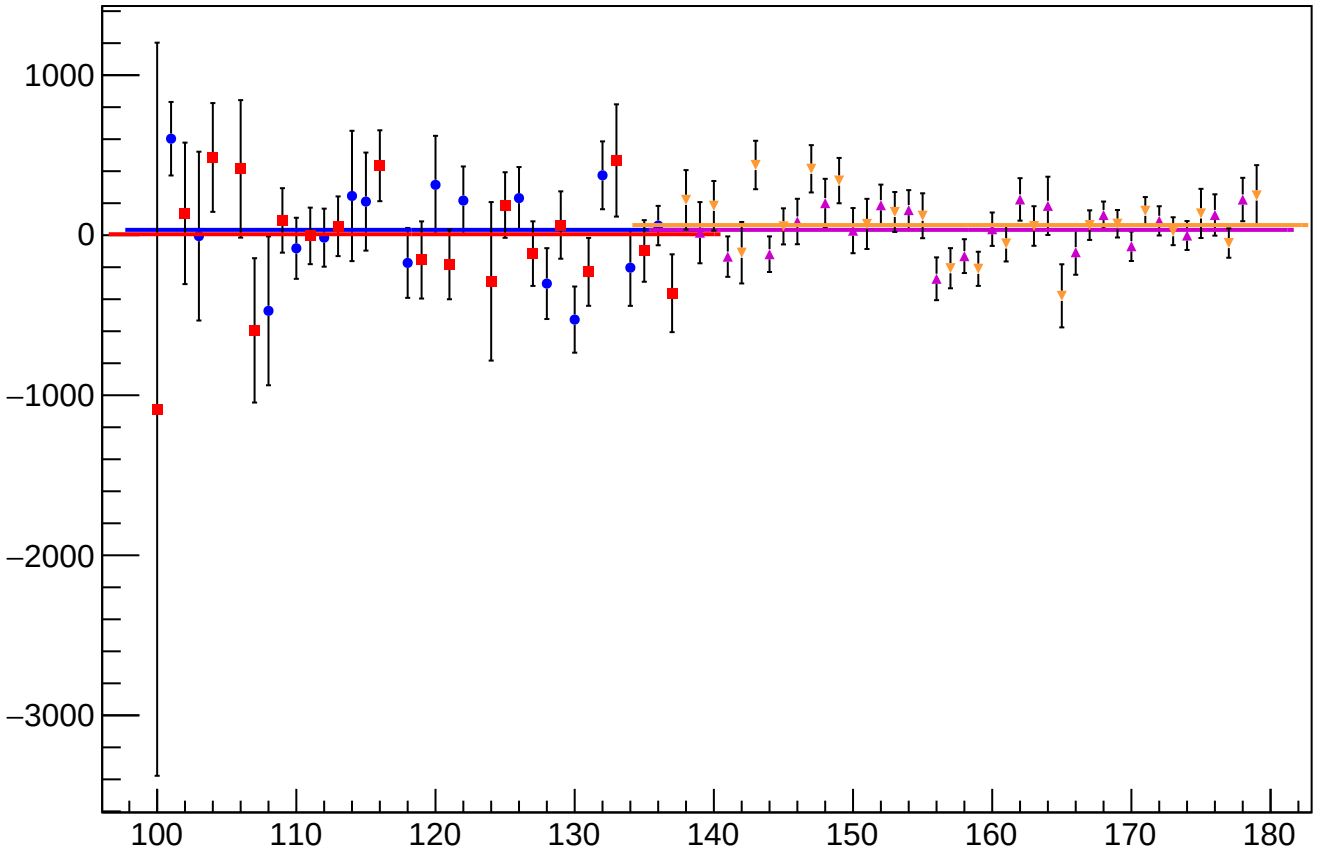
Left: 765.642+/-0.097 χ^2/NDF: 4505517.9/41

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 836.186+/-0.131 χ^2/NDF:5978702.5/35

Out: 849.443+/-0.129 χ^2/NDF:6267665.7/40

All: 842.927+/-0.092 χ^2/NDF: 12251561.2/76



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 63.397+/-25.793 χ^2/NDF:39.6/21

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 33.260+/-26.462 χ^2/NDF:24.2/19

Left: 48.714+/-18.471 χ^2/NDF: 64.5/41

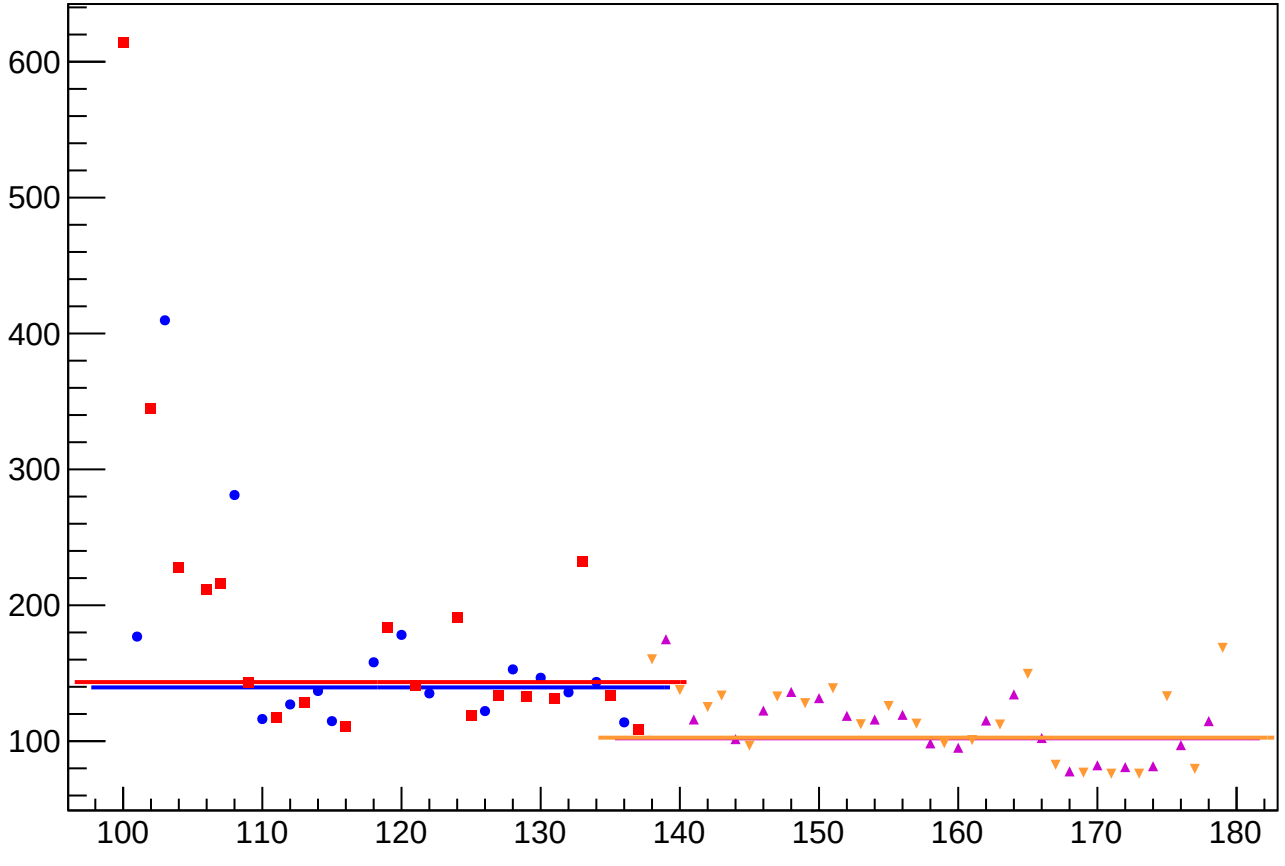
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 33.299+/-23.838 χ^2/NDF:49.4/35

Out: 53.396+/-23.434 χ^2/NDF:57.8/40

All: 43.519+/-16.712 χ^2/NDF: 107.5/76

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 102.587+/-0.018 χ^2/NDF:1974006.1/21

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 102.094+/-0.019 χ^2/NDF:1220359.7/19

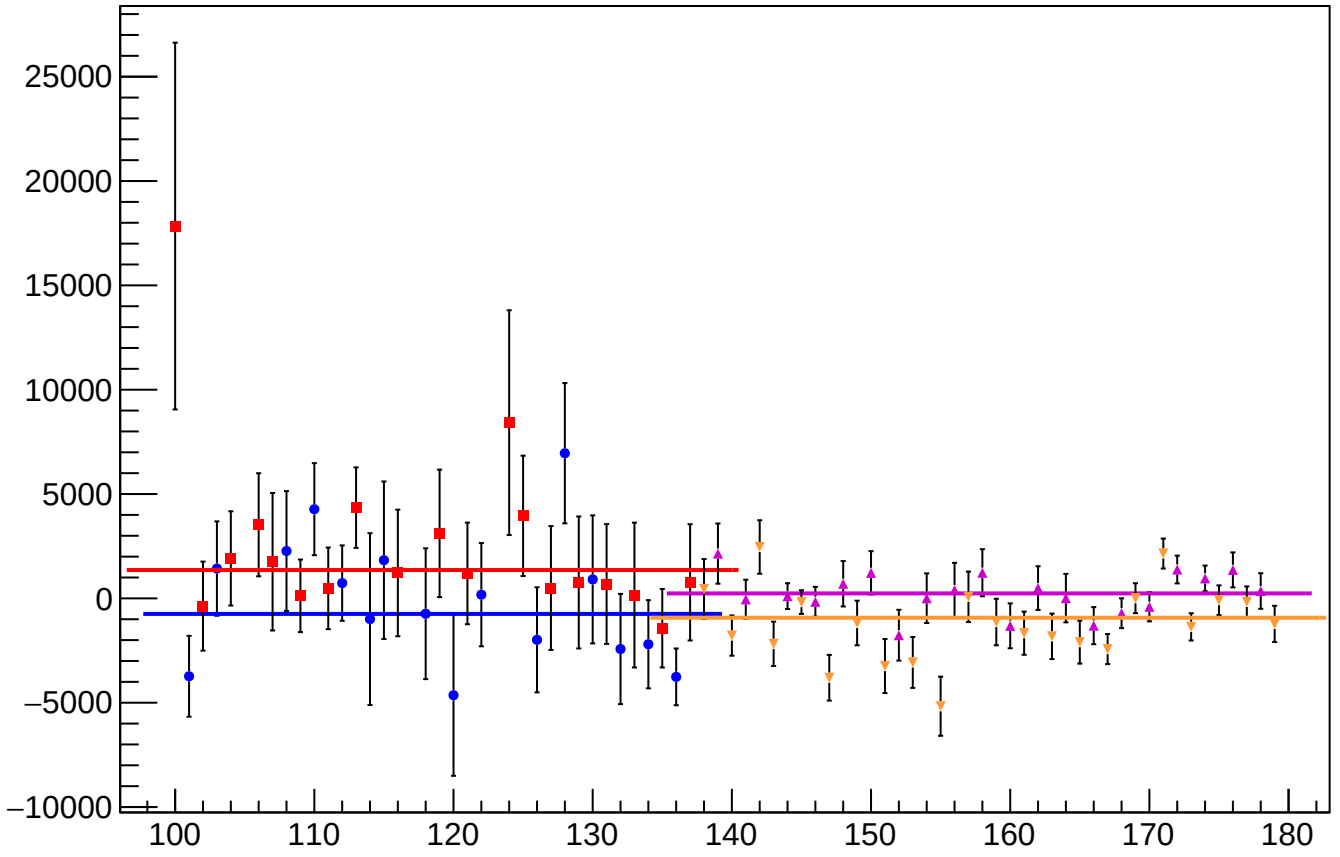
Left: 102.347+/-0.013 χ^2/NDF: 3194722.9/41

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 109.157+/-0.017 χ^2/NDF:2953050.7/35

Out: 109.725+/-0.017 χ^2/NDF:3968145.0/40

All: 109.446+/-0.012 χ^2/NDF: 6921774.1/76



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -928.592+/-191.935 χ^2/NDF:64.6/21

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 238.367+/-195.223 χ^2/NDF:20.8/19

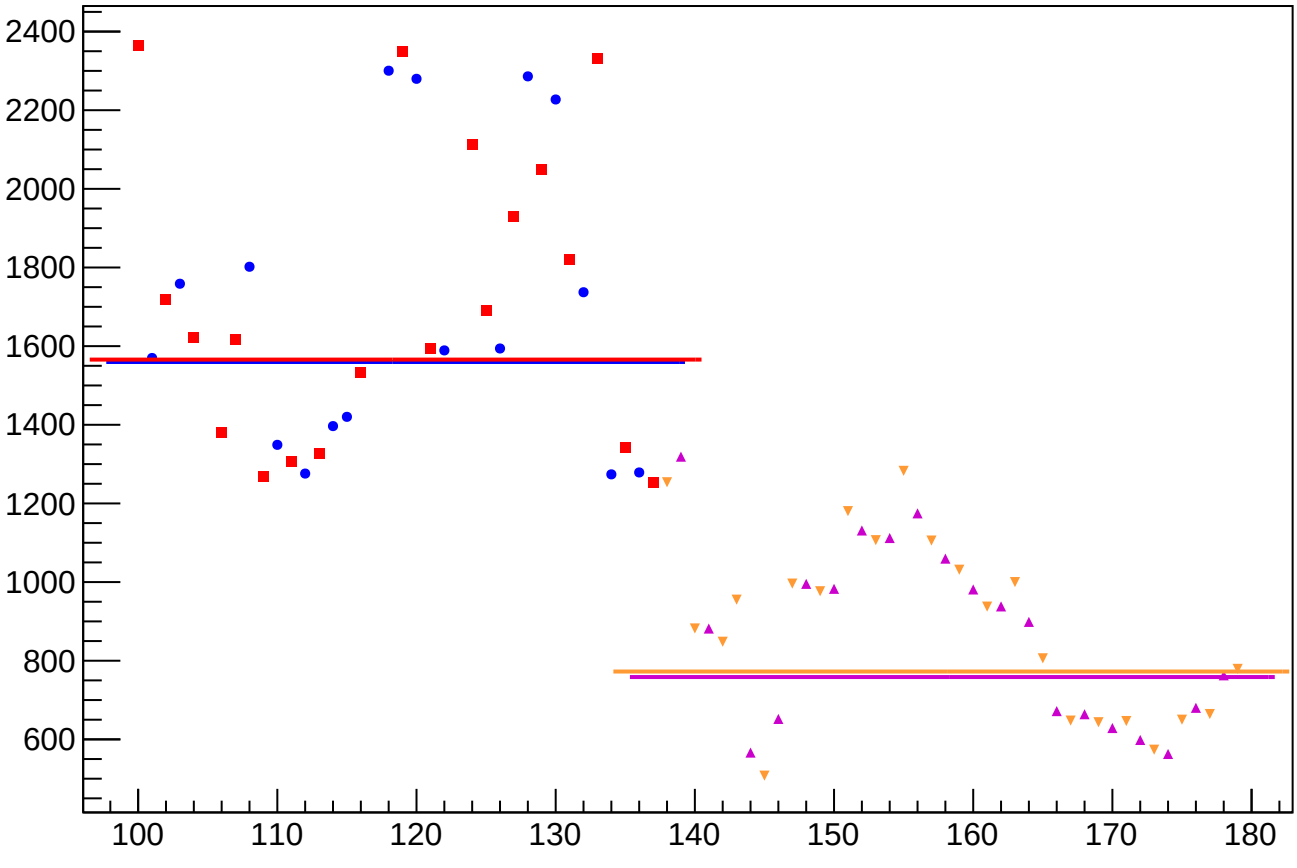
Left: -355.023+/-136.866 χ^2/NDF: 103.6/41

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 143.058+/-185.519 χ^2/NDF:46.7/35

Out: -706.936+/-182.395 χ^2/NDF:91.9/40

All: -289.155+/-130.063 χ^2/NDF: 149.3/76



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 772.541+/-0.136 χ^2/NDF:2391944.9/21

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 758.504+/-0.138 χ^2/NDF:2108304.7/19

Left: 765.641+/-0.097 χ^2/NDF: 4505507.2/41

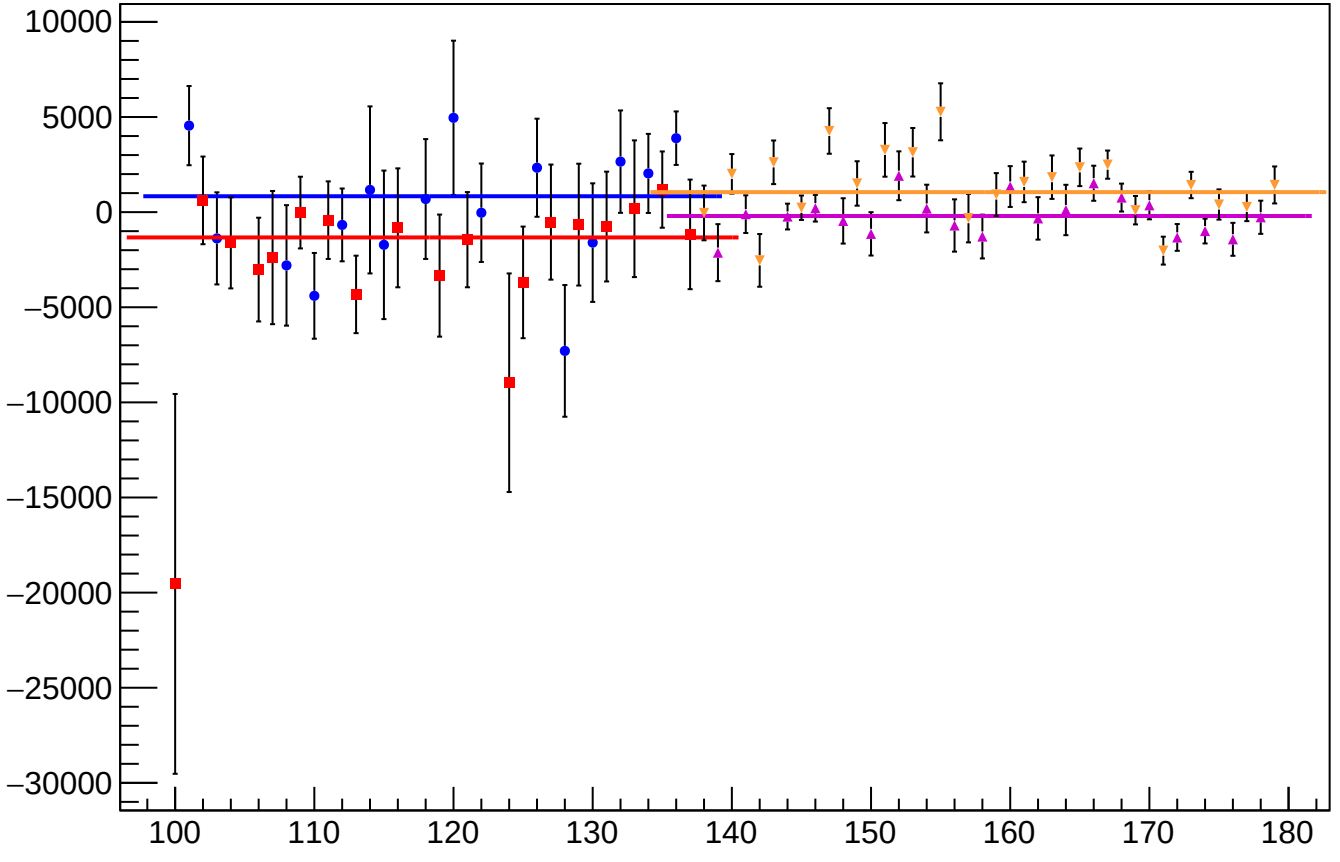
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 836.185+/-0.131 χ^2/NDF:5978697.3/35

Out: 849.442+/-0.129 χ^2/NDF:6267654.8/40

All: 842.926+/-0.092 χ^2/NDF: 12251545.2/76

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1051.459+/-203.321 χ^2/NDF:61.0/21

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -203.635+/-204.911 χ^2/NDF:20.6/19

Left: 428.803+/-144.328 χ^2/NDF: 100.4/41

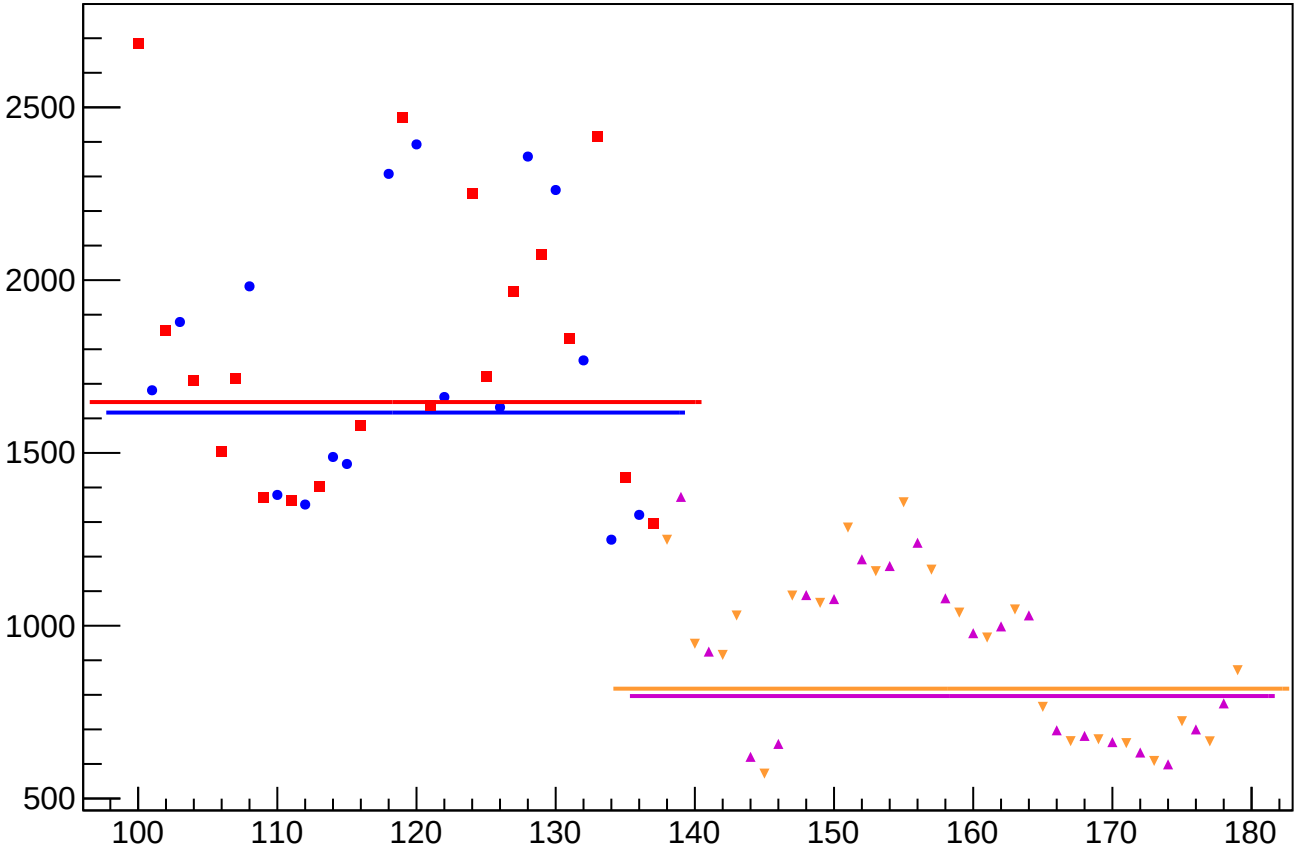
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -100.943+/-194.523 χ^2/NDF:48.0/35

Out: 817.841+/-193.088 χ^2/NDF:86.5/40

All: 361.849+/-137.038 χ^2/NDF: 145.8/76

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 817.857+/-0.144 χ^2/NDF:2294925.9/21

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 796.502+/-0.145 χ^2/NDF:2123720.9/19

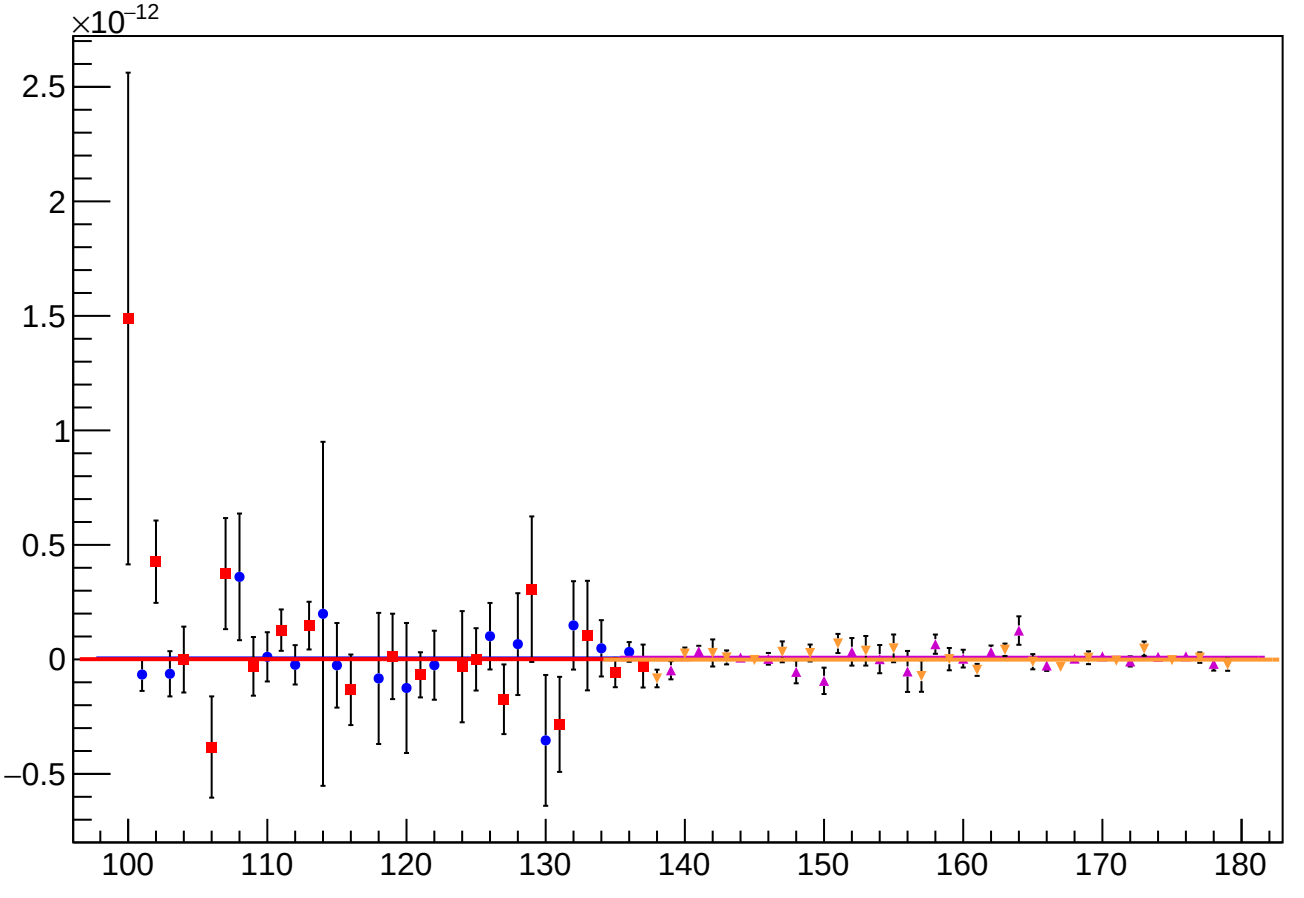
Left: 807.263+/-0.102 χ^2/NDF: 4429591.9/41

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 877.569+/-0.138 χ^2/NDF:5913467.0/35

Out: 899.233+/-0.137 χ^2/NDF:6084005.7/40

All: 888.481+/-0.097 χ^2/NDF: 12009967.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/19

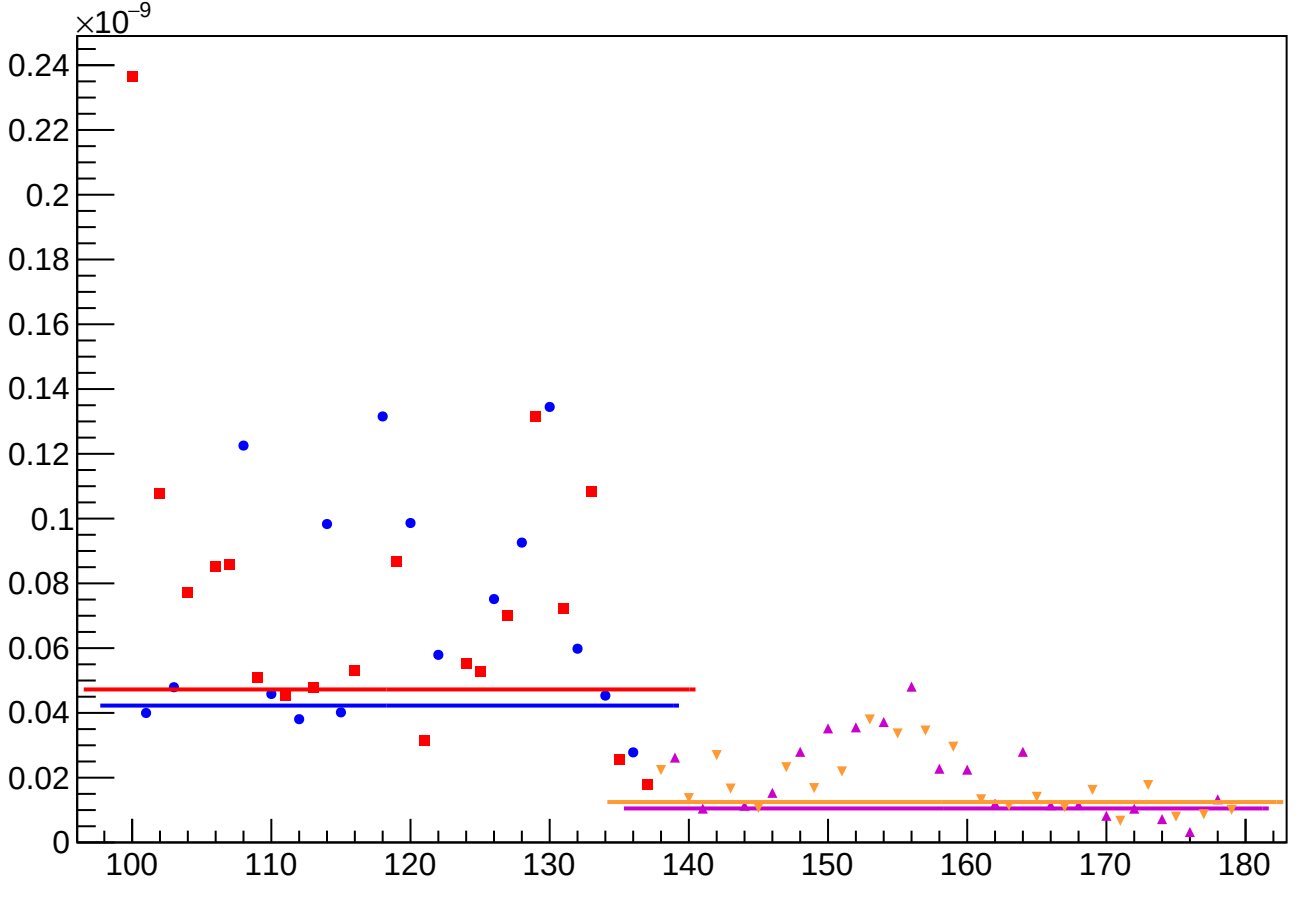
Left: 0.000+/-0.000 χ^2/NDF: 43.5/41

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:25.8/35

Out: -0.000+/-0.000 χ^2/NDF:46.9/40

All: 0.000+/-0.000 χ^2/NDF: 73.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2210164.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3607843.8/19

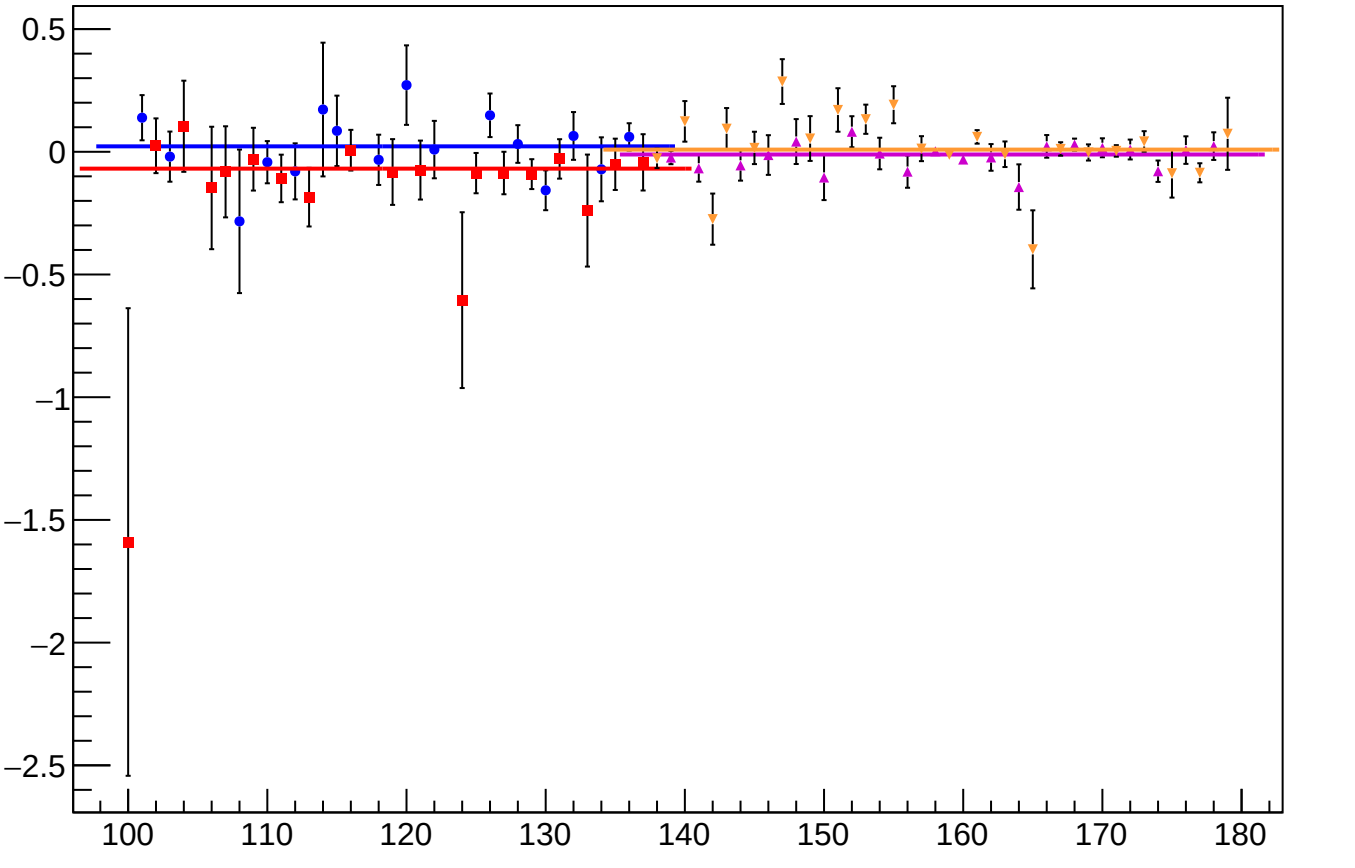
Left: 0.000+/-0.000 χ^2/NDF: 5944067.1/41

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7371829.9/35

Out: 0.000+/-0.000 χ^2/NDF:6163528.0/40

All: 0.000+/-0.000 χ^2/NDF: 13665827.1/76



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:17.7/19

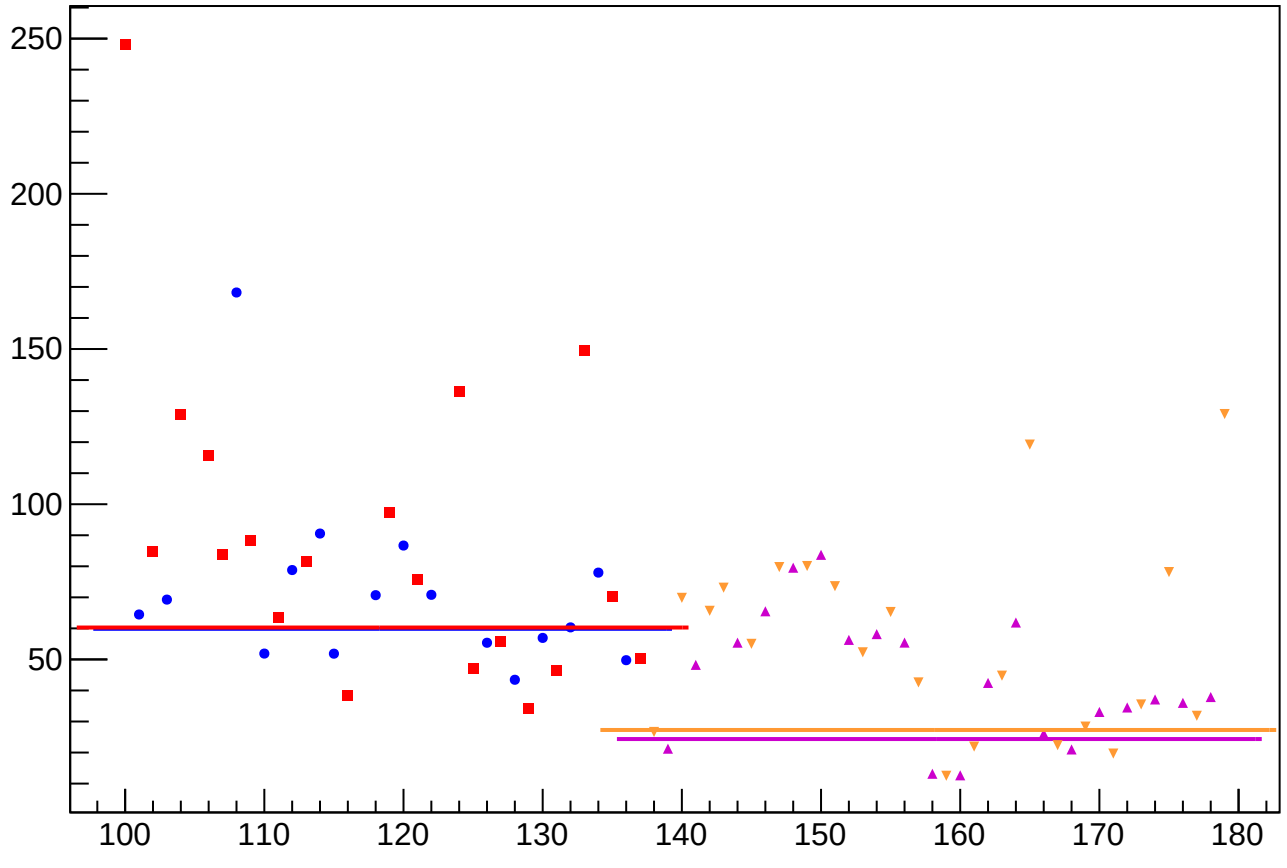
Left: -0.002+/-0.006 χ^2/NDF: 74.7/41

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.004+/-0.006 χ^2/NDF: 107.6/76



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.352+/-0.006 χ^2/NDF:7693560.5/19

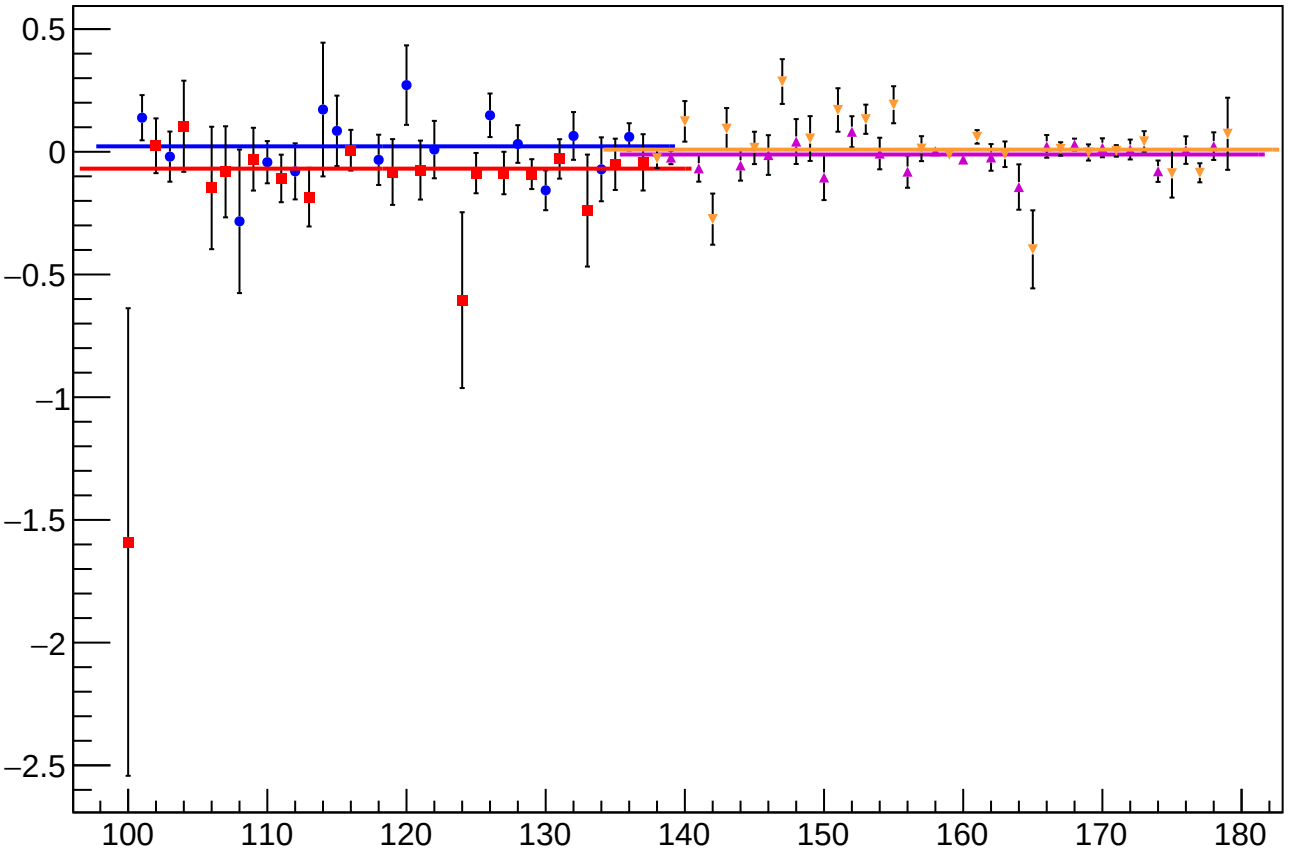
Left: 25.716+/-0.004 χ^2/NDF: 17147821.7/41

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.703+/-0.005 χ^2/NDF:12145097.7/35

Out: 30.634+/-0.006 χ^2/NDF:14367999.4/40

All: 29.078+/-0.004 χ^2/NDF: 26653355.0/76



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:17.7/19

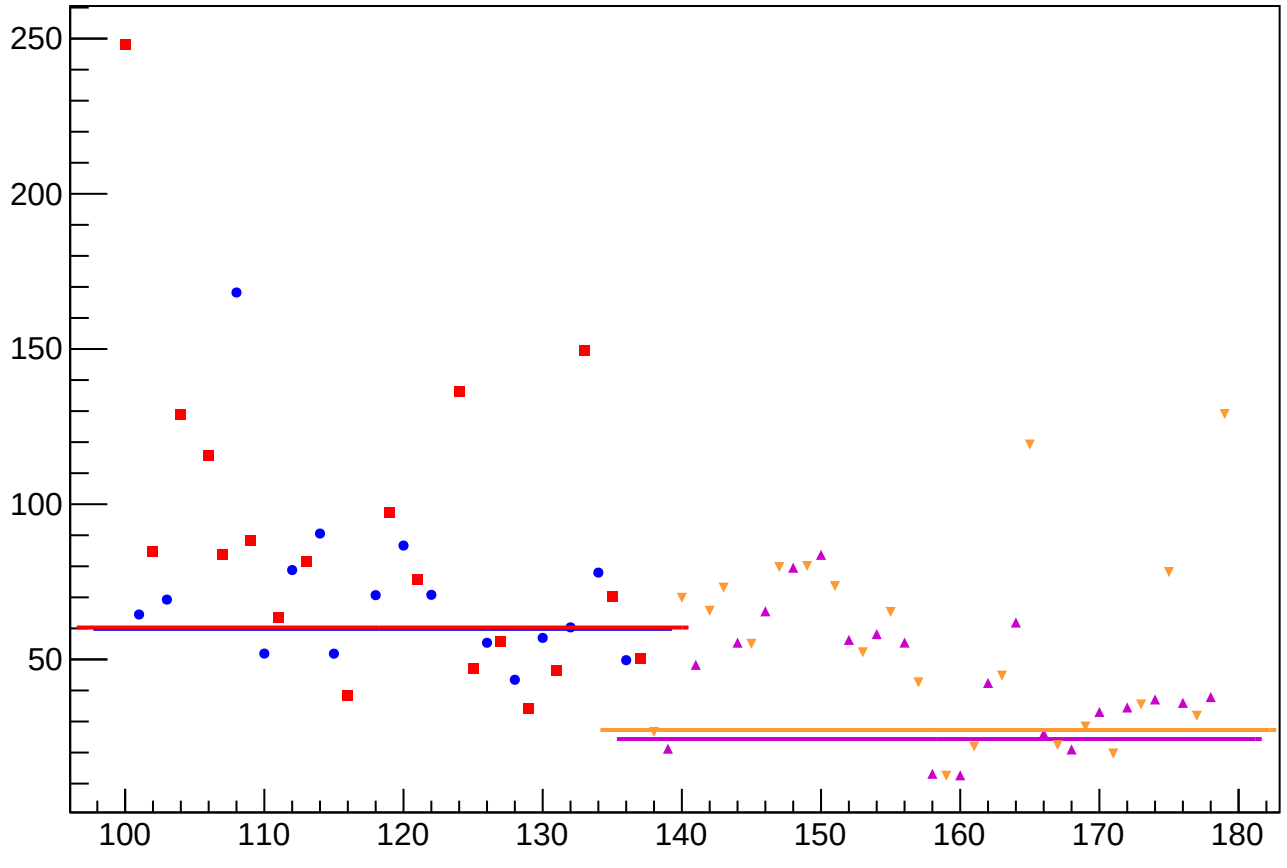
Left: -0.002+/-0.006 χ^2/NDF: 74.7/41

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.004+/-0.006 χ^2/NDF: 107.6/76



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.274+/-0.006 χ^2/NDF:9328510.8/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.352+/-0.006 χ^2/NDF:7693560.5/19

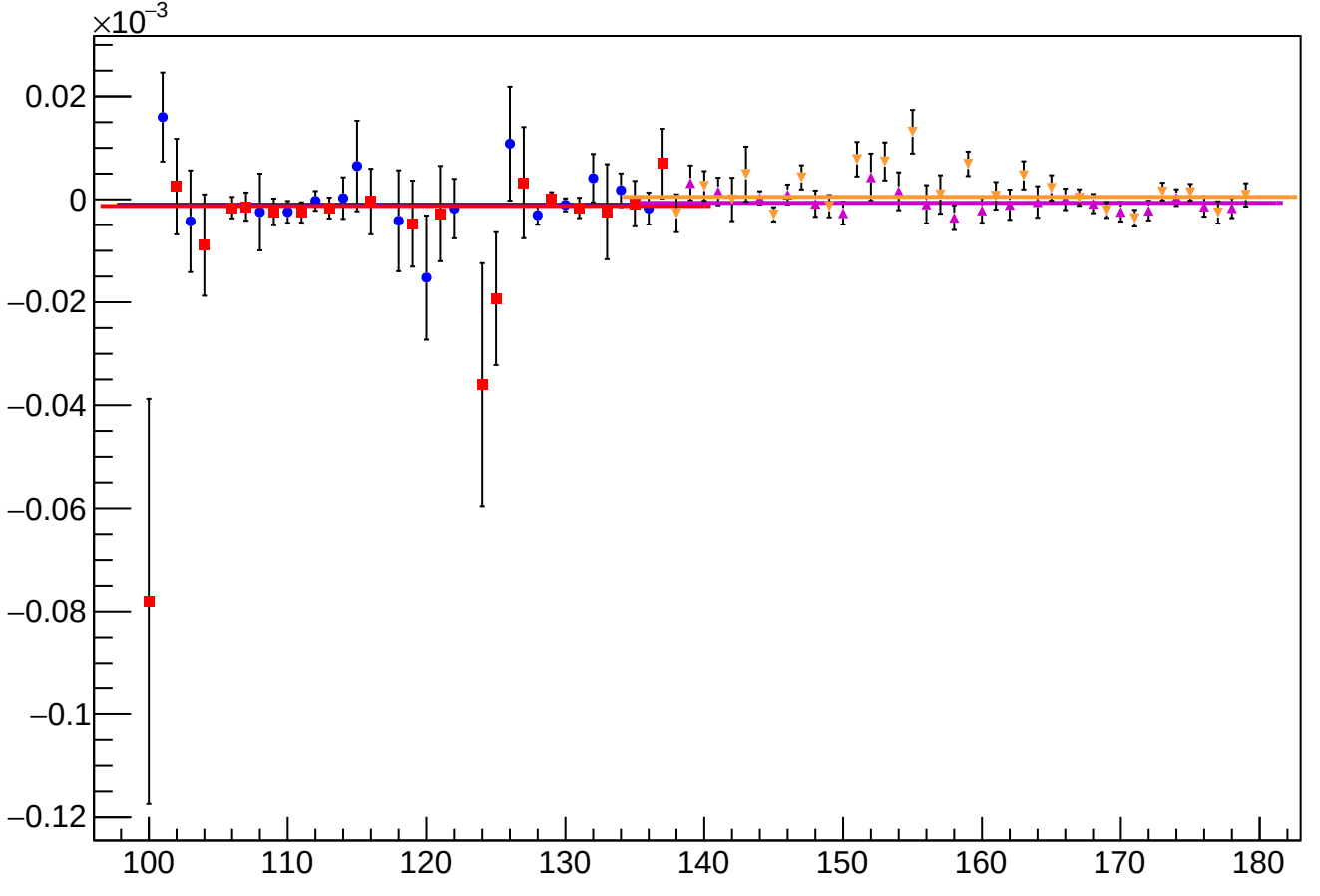
Left: 25.716+/-0.004 χ^2/NDF: 17147821.7/41

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.703+/-0.005 χ^2/NDF:12145097.7/35

Out: 30.634+/-0.006 χ^2/NDF:14367999.4/40

All: 29.078+/-0.004 χ^2/NDF: 26653355.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/19

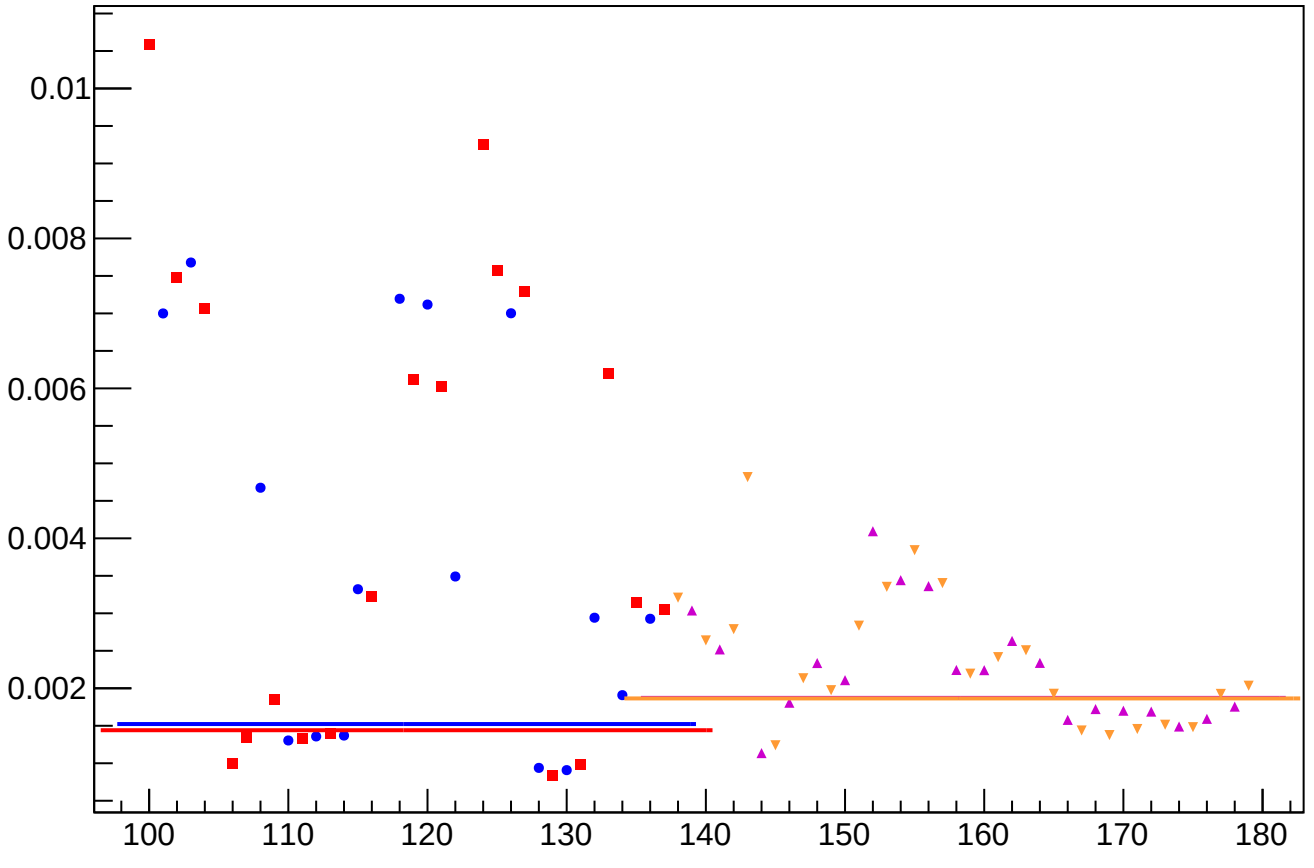
Left: -0.000+/-0.000 χ^2/NDF: 63.1/41

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:21.2/35

Out: -0.000+/-0.000 χ^2/NDF:67.3/40

All: -0.000+/-0.000 χ^2/NDF: 90.1/76



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3732571.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2756090.1/19

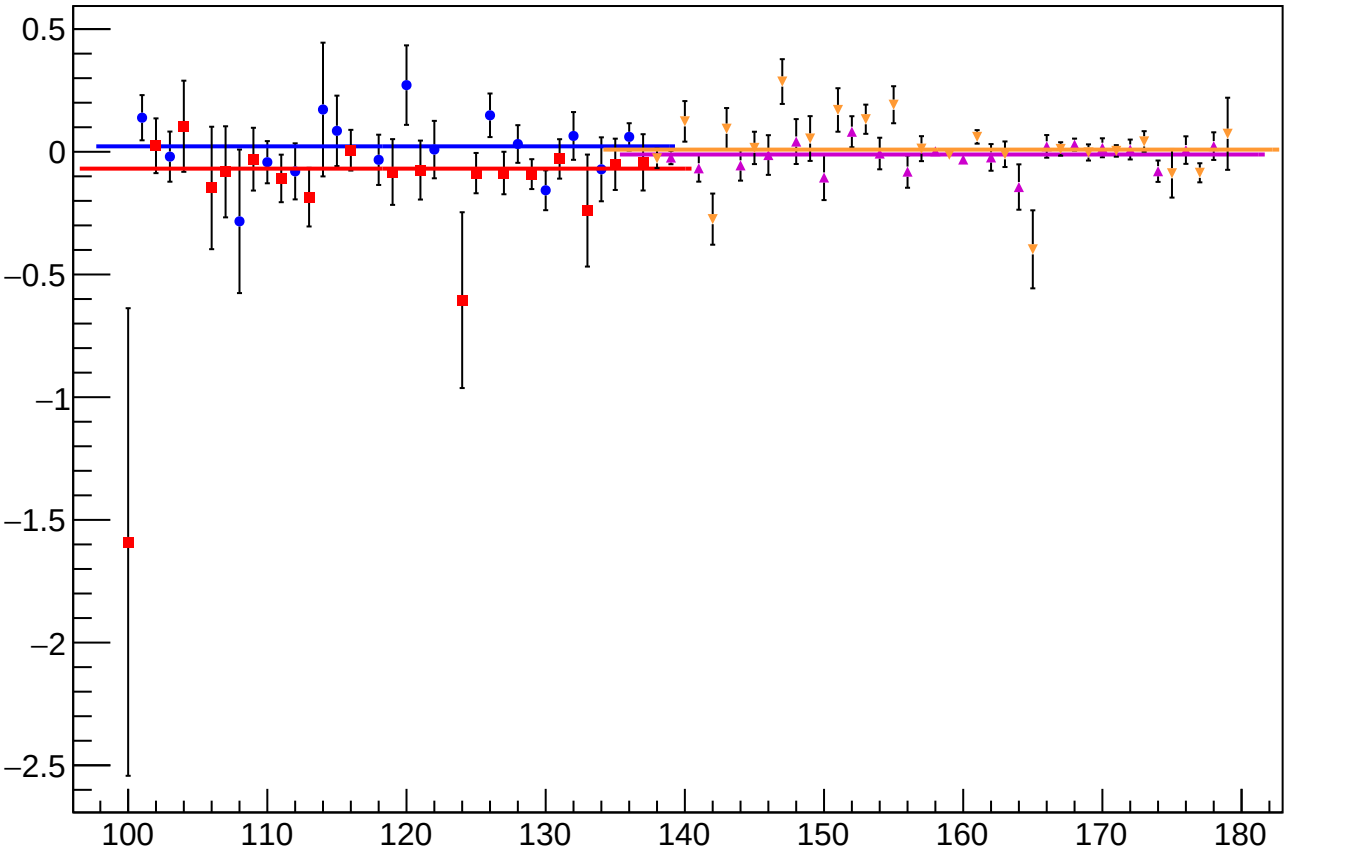
Left: 0.002+/-0.000 χ^2/NDF: 6488890.5/41

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8248928.9/35

Out: 0.002+/-0.000 χ^2/NDF:10025157.8/40

All: 0.002+/-0.000 χ^2/NDF: 18281552.5/76



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:17.7/19

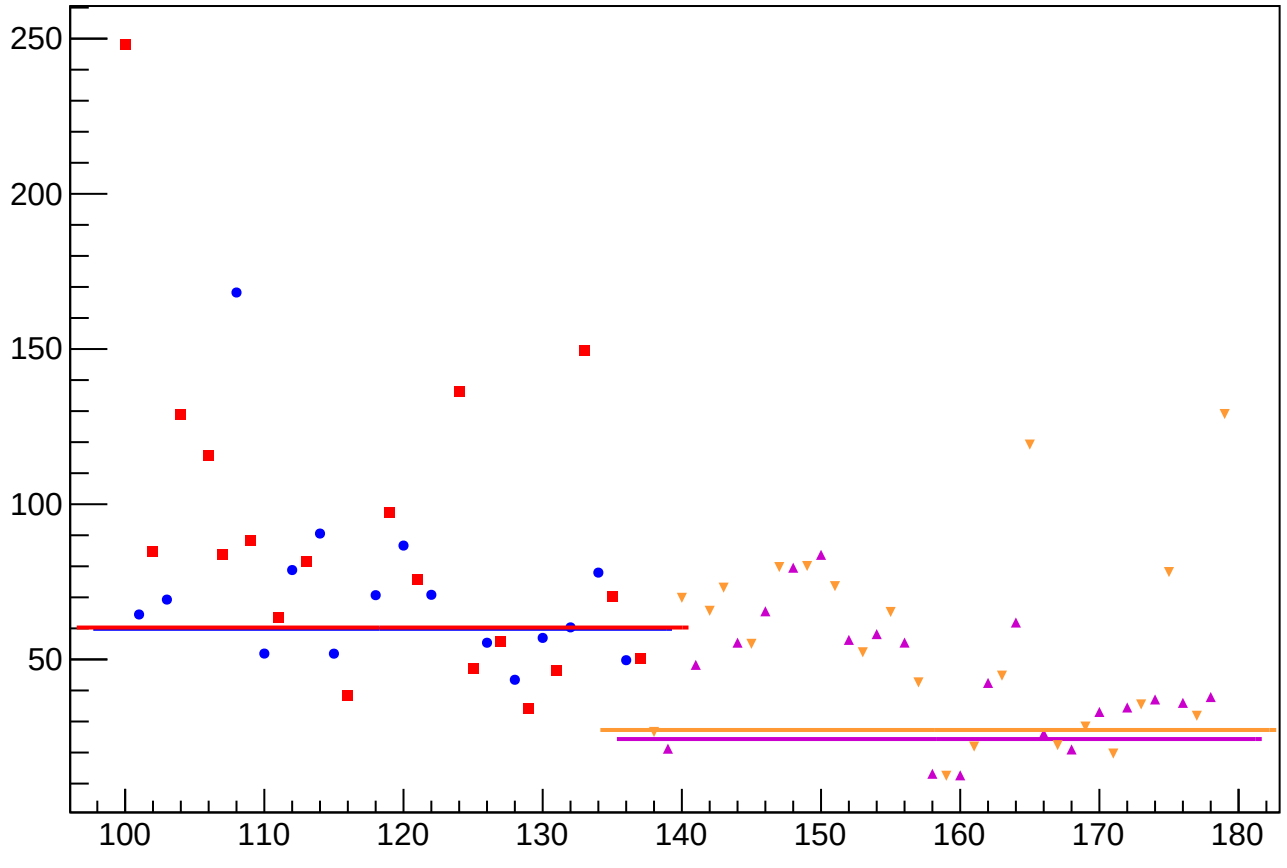
Left: -0.002+/-0.006 χ^2/NDF: 74.7/41

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.004+/-0.006 χ^2/NDF: 107.6/76



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.273+/-0.006 χ^2/NDF:9329509.2/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

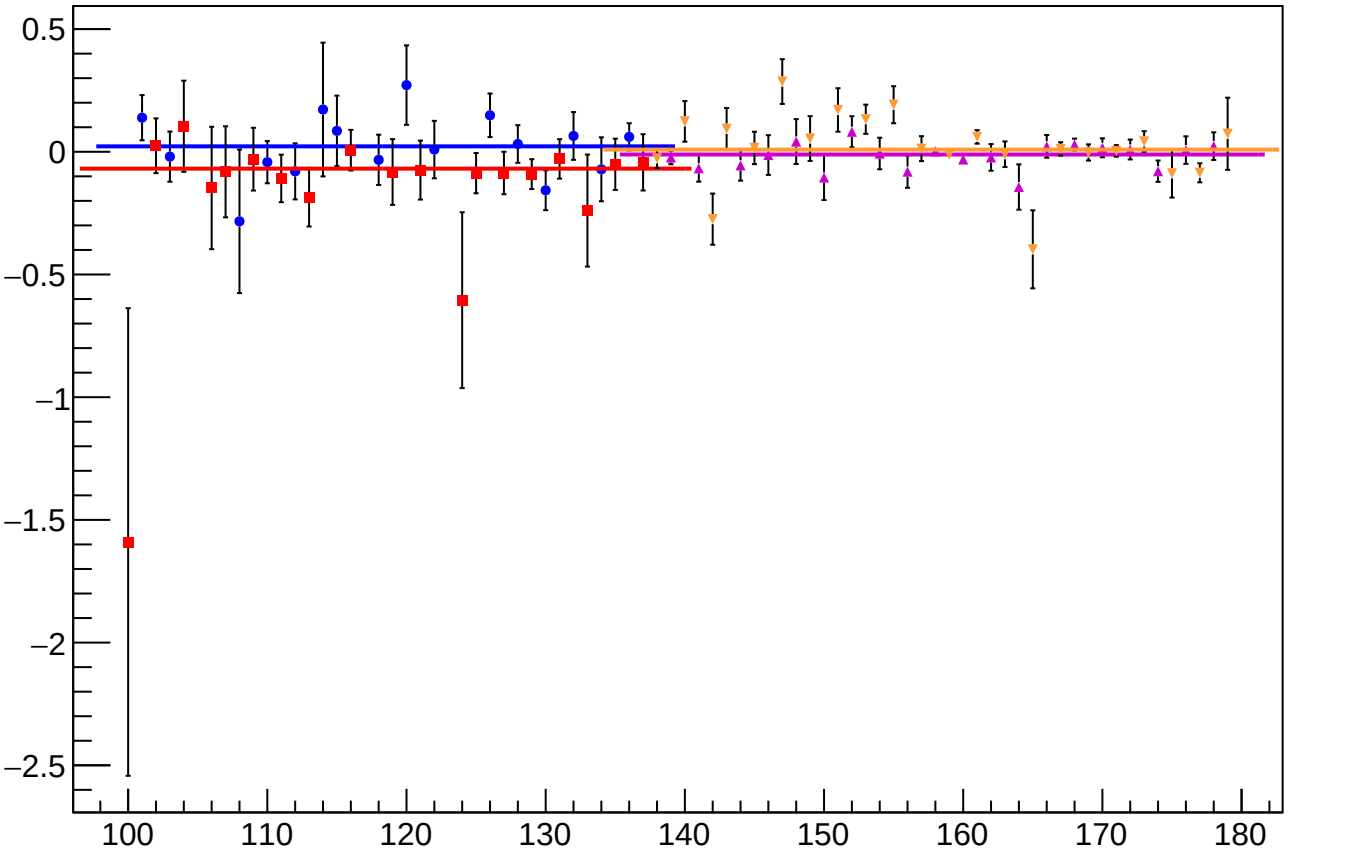
Left: 25.716+/-0.004 χ^2/NDF: 17149230.6/41

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.703+/-0.005 χ^2/NDF:12145773.9/35

Out: 30.633+/-0.006 χ^2/NDF:14369331.9/40

All: 29.077+/-0.004 χ^2/NDF: 26655286.4/76



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:54.1/21

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.011+/-0.008 χ^2/NDF:17.7/19

Left: -0.002+/-0.006 χ^2/NDF: 74.7/41

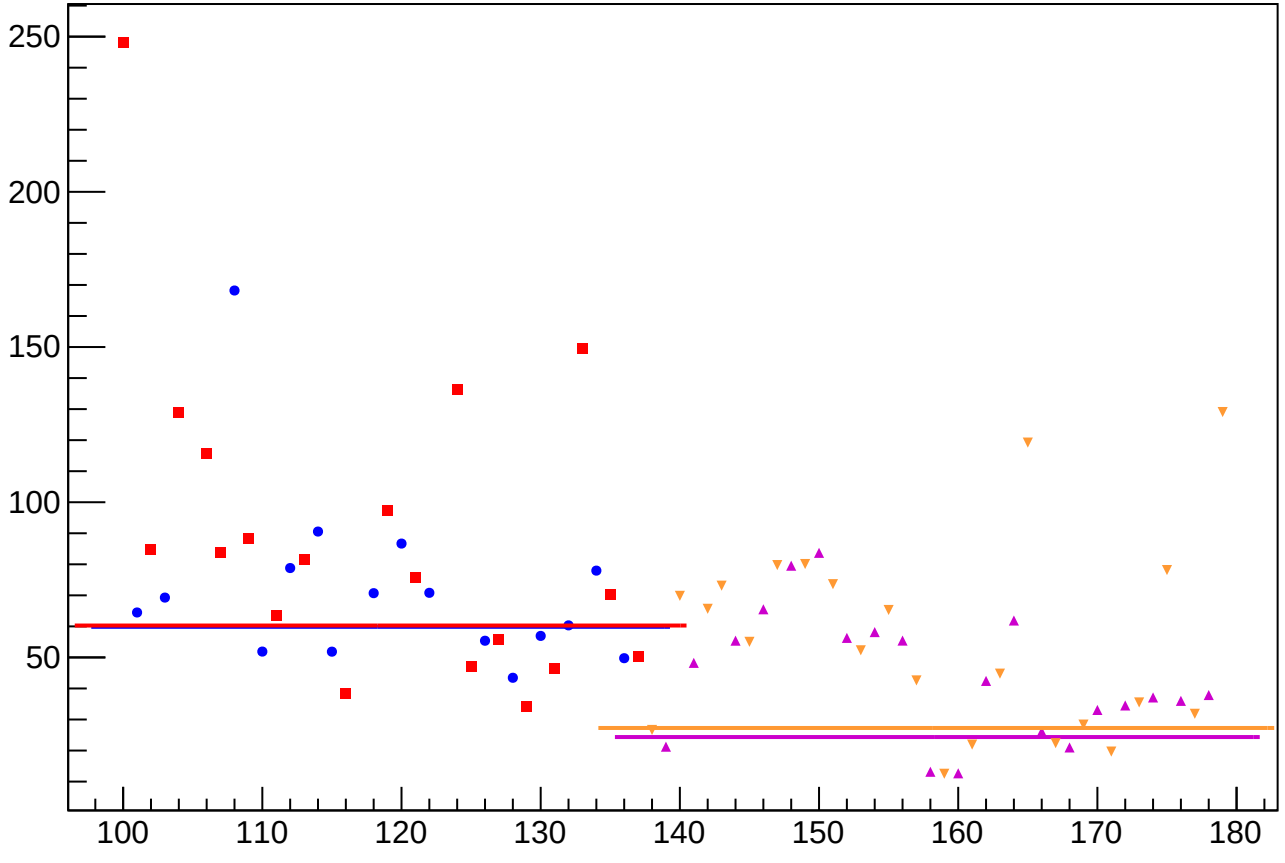
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:72.1/40

All: -0.004+/-0.006 χ^2/NDF: 107.6/76

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.273+/-0.006 χ^2/NDF:9329509.2/21

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

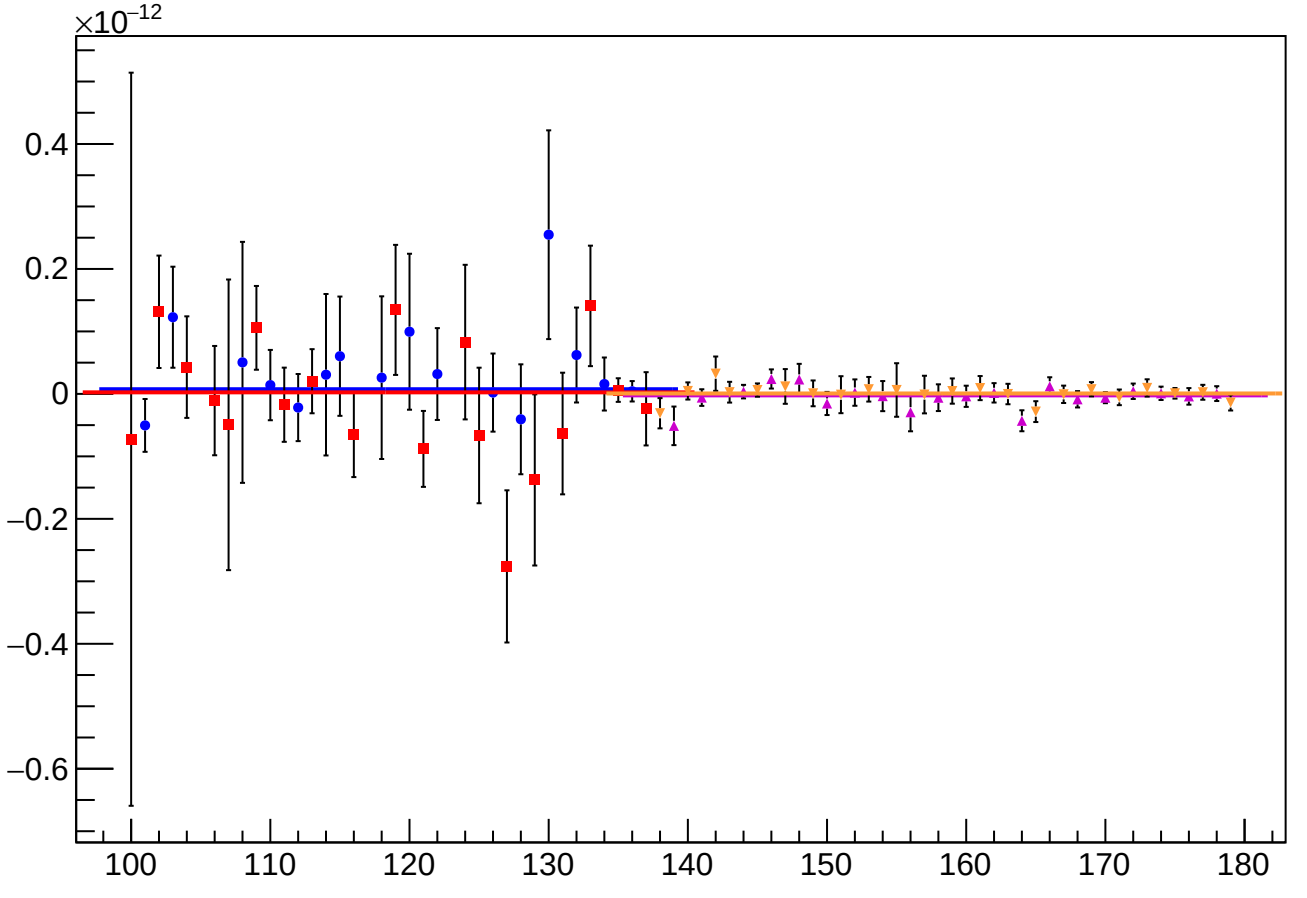
Left: 25.716+/-0.004 χ^2/NDF: 17149230.6/41

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.703+/-0.005 χ^2/NDF:12145773.9/35

Out: 30.633+/-0.006 χ^2/NDF:14369331.9/40

All: 29.077+/-0.004 χ^2/NDF: 26655286.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/19

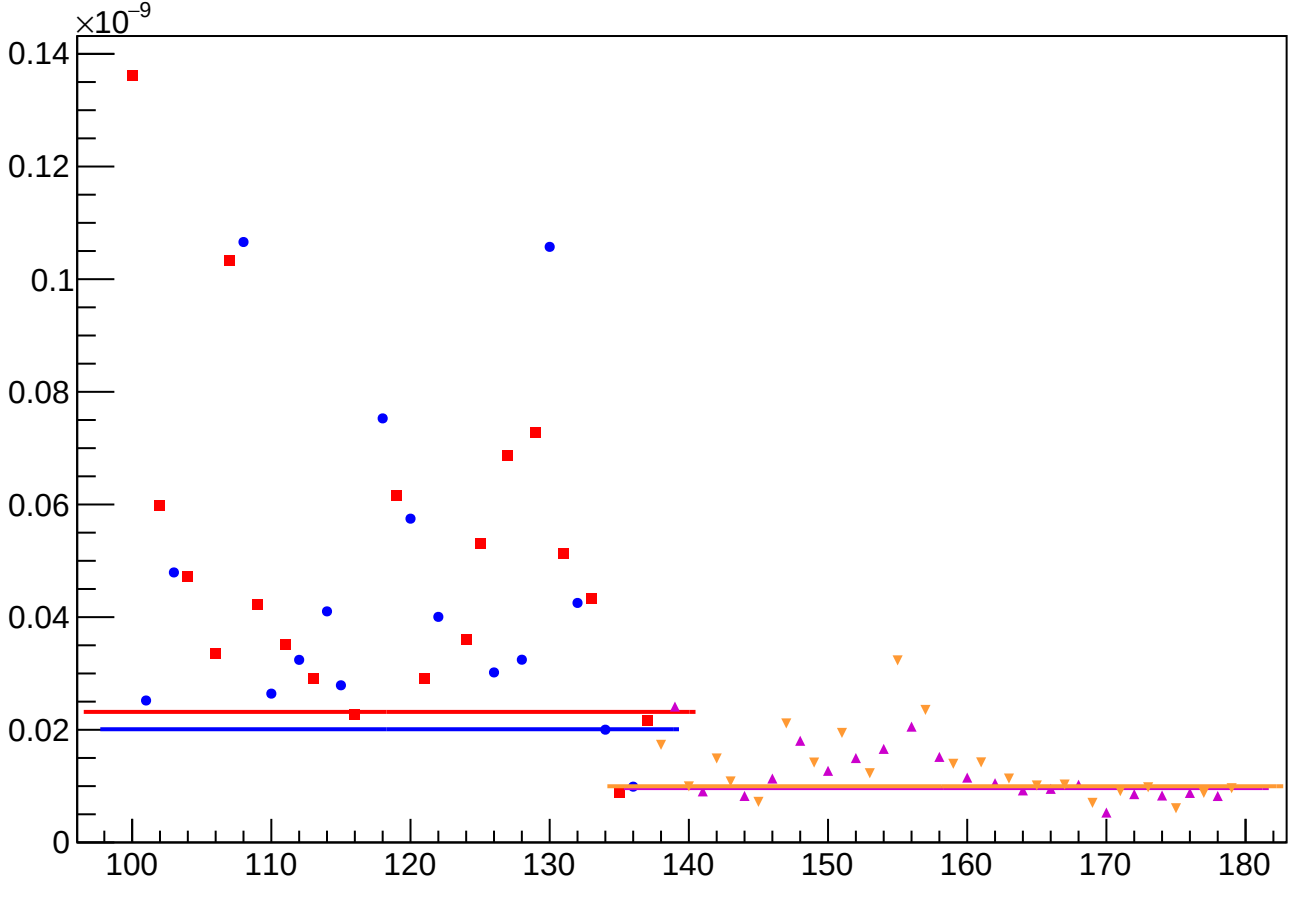
Left: -0.000+/-0.000 χ^2/NDF: 25.8/41

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:25.0/35

Out: 0.000+/-0.000 χ^2/NDF:29.0/40

All: -0.000+/-0.000 χ^2/NDF: 54.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2753336.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2066618.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4829921.0/41

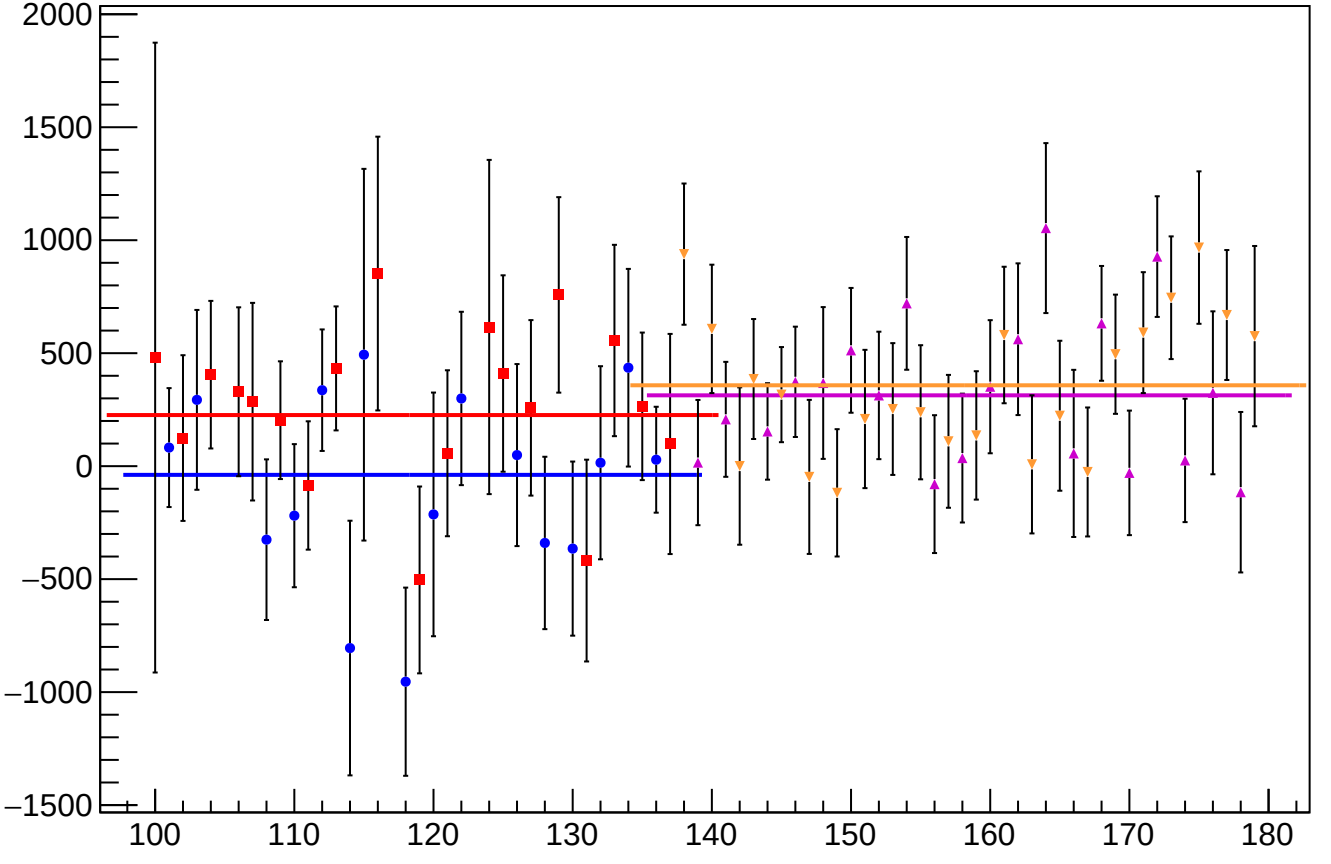
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6568301.8/35

Out: 0.000+/-0.000 χ^2/NDF:8084867.1/40

All: 0.000+/-0.000 χ^2/NDF: 14665316.2/76

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.913+/-62.175 χ^2/NDF:23.1/21

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 313.463+/-64.168 χ^2/NDF:22.9/19

Left: 336.389+/-44.653 χ^2/NDF: 46.2/41

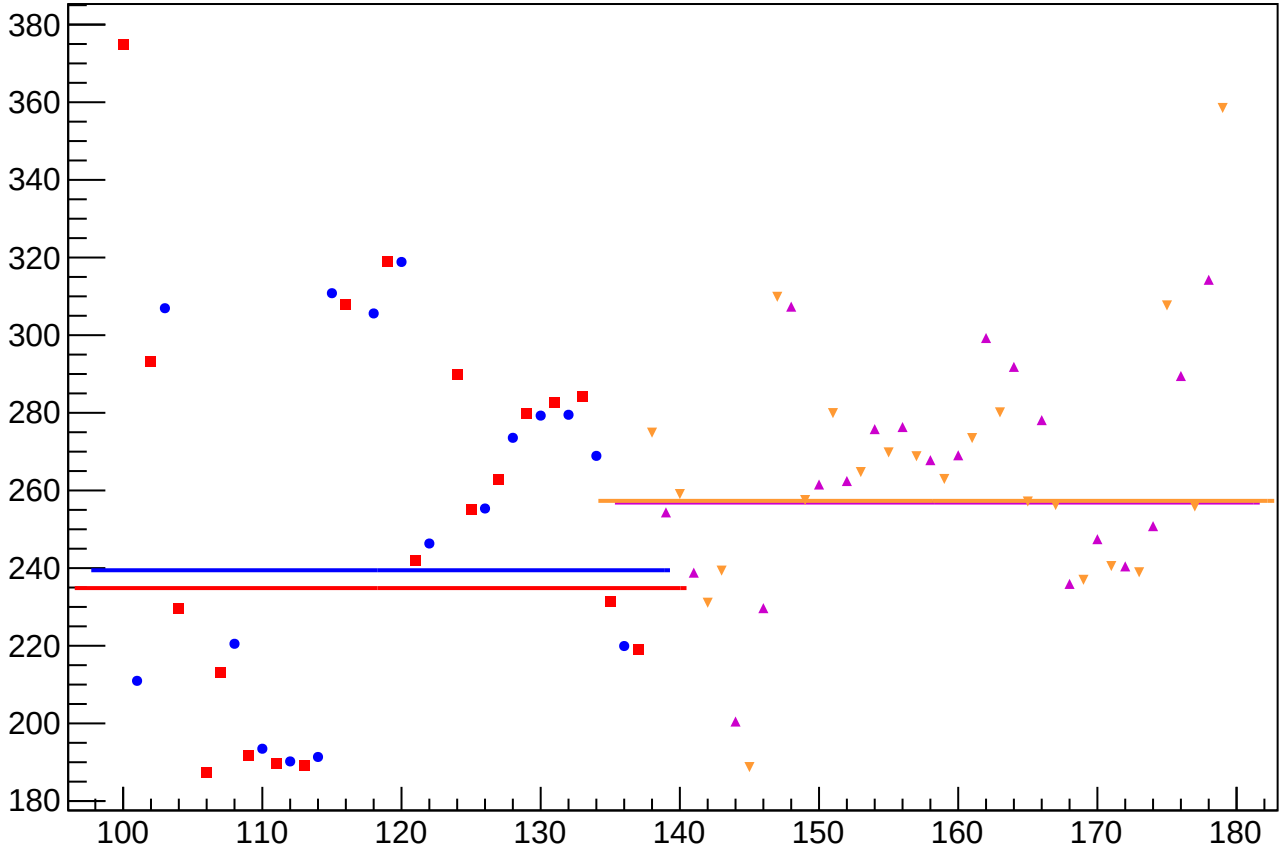
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 195.920+/-52.368 χ^2/NDF:47.4/35

Out: 313.984+/-50.762 χ^2/NDF:36.0/40

All: 256.791+/-36.449 χ^2/NDF: 86.0/76

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

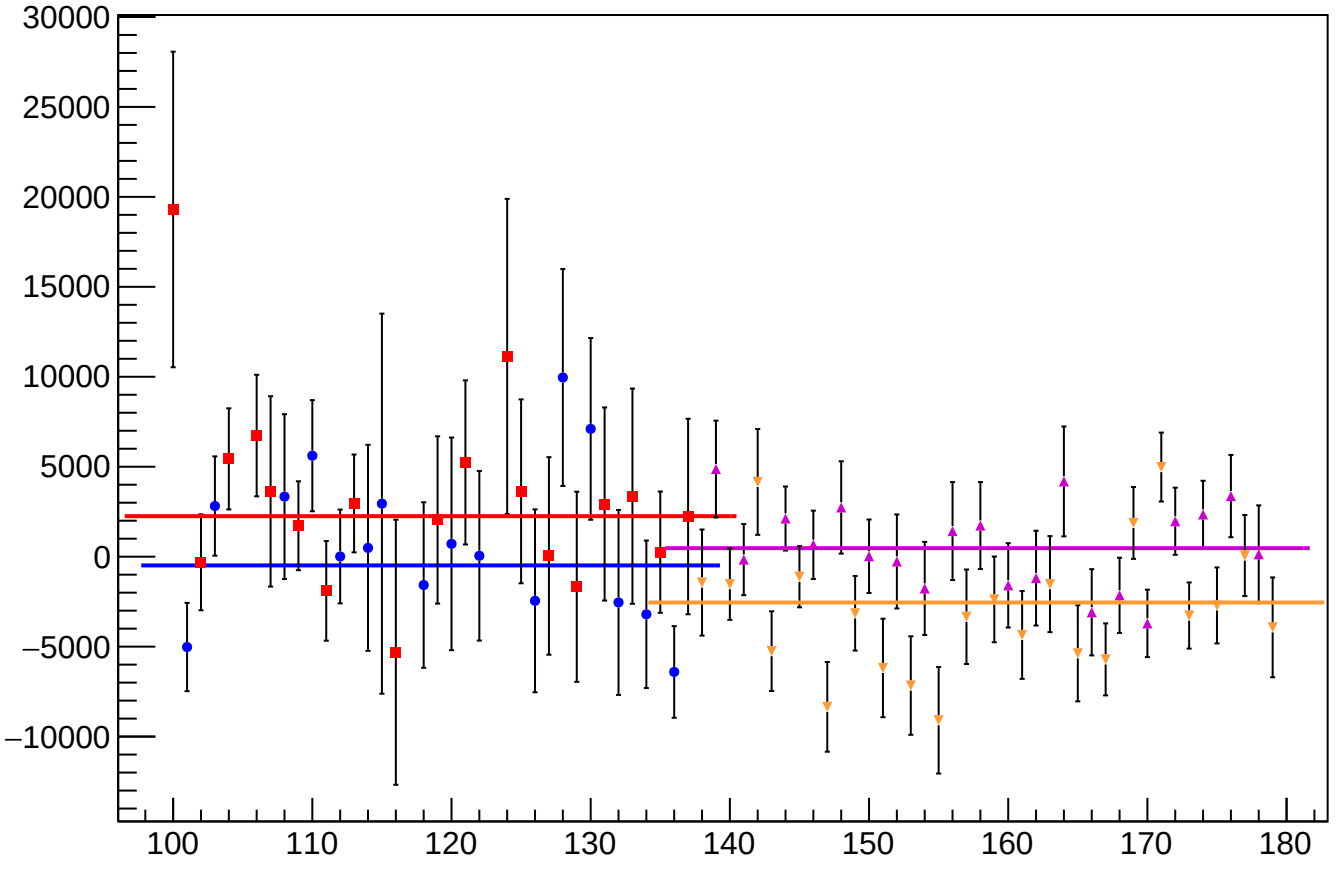
Left: 257.110+/-0.032 χ^2/NDF: 918204.3/41

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 251.060+/-0.037 χ^2/NDF:842954.8/35

Out: 249.832+/-0.036 χ^2/NDF:1094272.0/40

All: 250.427+/-0.026 χ^2/NDF: 1937793.4/76



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2546.562+/-488.036 χ^2/NDF:49.3/21

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 472.065+/-499.964 χ^2/NDF:20.4/19

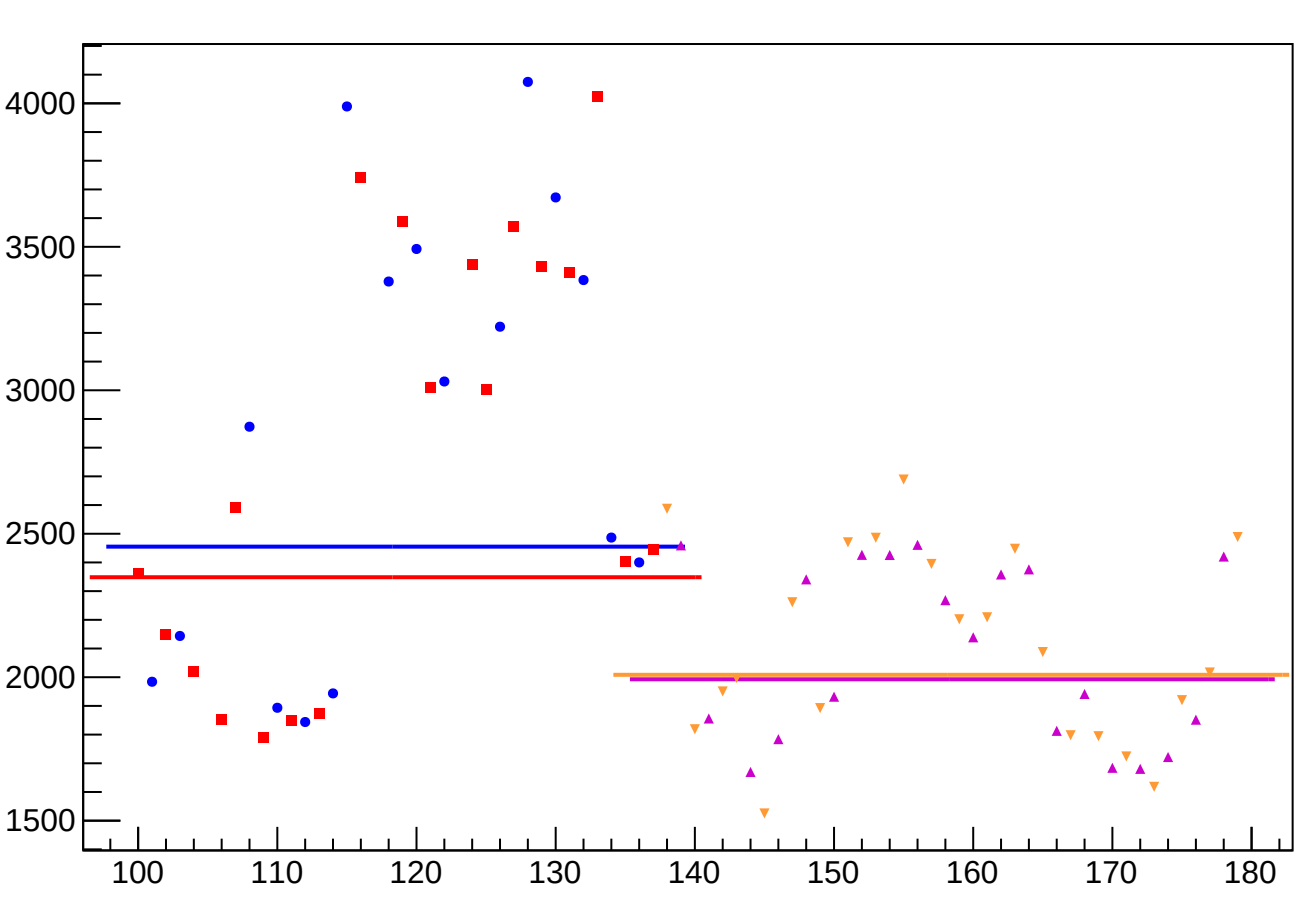
Left: -1073.687+/-349.235 χ^2/NDF: 88.3/41

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 263.407+/-442.177 χ^2/NDF:42.3/35

Out: -1445.212+/-428.383 χ^2/NDF:85.4/40

All: -617.968+/-307.674 χ^2/NDF: 135.4/76



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.2/21

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1992.831+/-0.354 χ^2/NDF:693870.6/19

Left: 2000.817+/-0.247 χ^2/NDF: 1571553.5/41

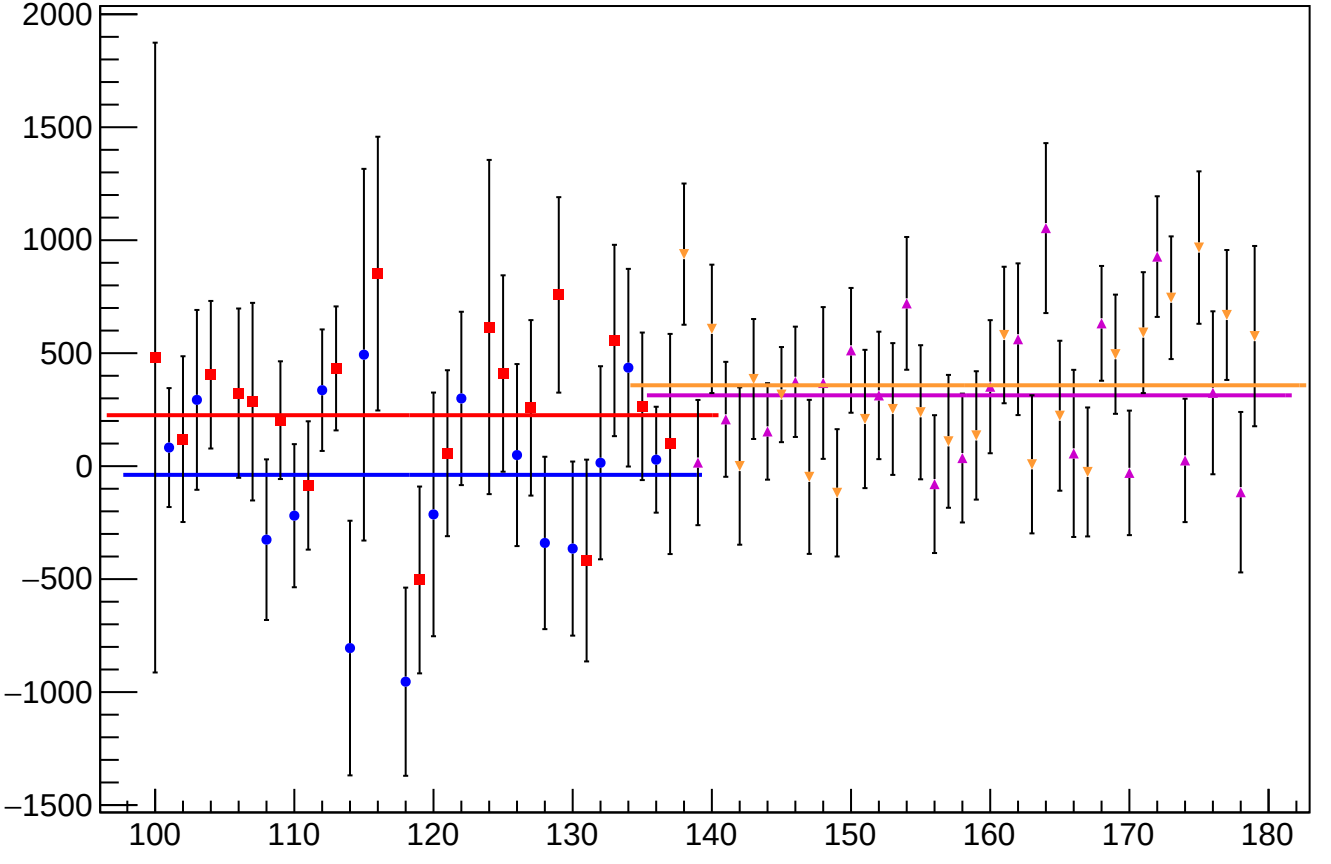
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2093.517+/-0.313 χ^2/NDF:1960668.1/35

Out: 2086.469+/-0.303 χ^2/NDF:2151928.8/40

All: 2089.881+/-0.218 χ^2/NDF: 4112858.9/76

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 313.466+/-64.168 χ^2/NDF:22.9/19

Left: 336.398+/-44.653 χ^2/NDF: 46.2/41

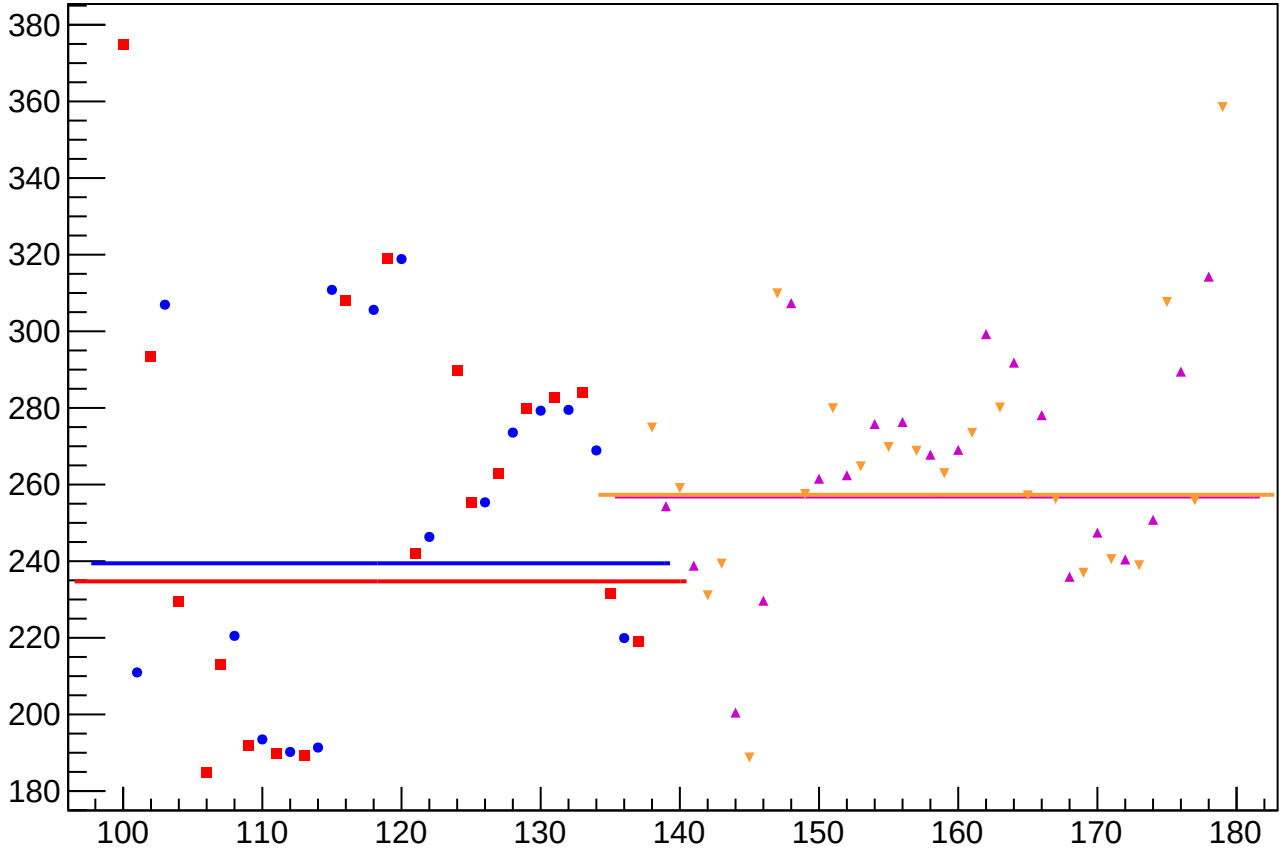
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 195.915+/-52.368 χ^2/NDF:47.4/35

Out: 313.784+/-50.764 χ^2/NDF:36.0/40

All: 256.682+/-36.450 χ^2/NDF: 86.1/76

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

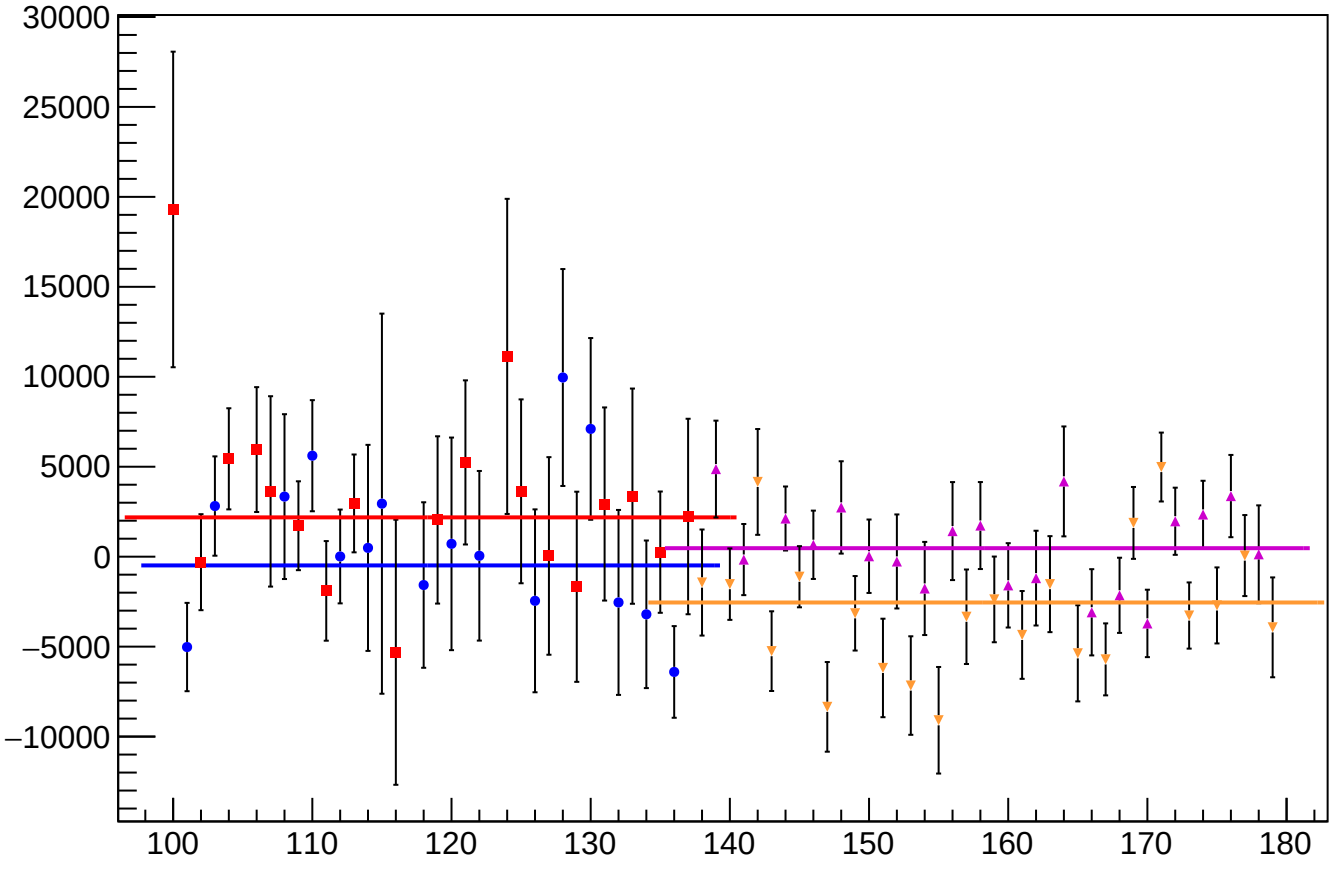
Left: 257.110+/-0.032 χ^2/NDF: 918204.3/41

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 251.060+/-0.037 χ^2/NDF:842956.9/35

Out: 249.793+/-0.036 χ^2/NDF:1098723.0/40

All: 250.407+/-0.026 χ^2/NDF: 1942283.1/76



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 472.076+/-499.965 χ^2/NDF:20.4/19

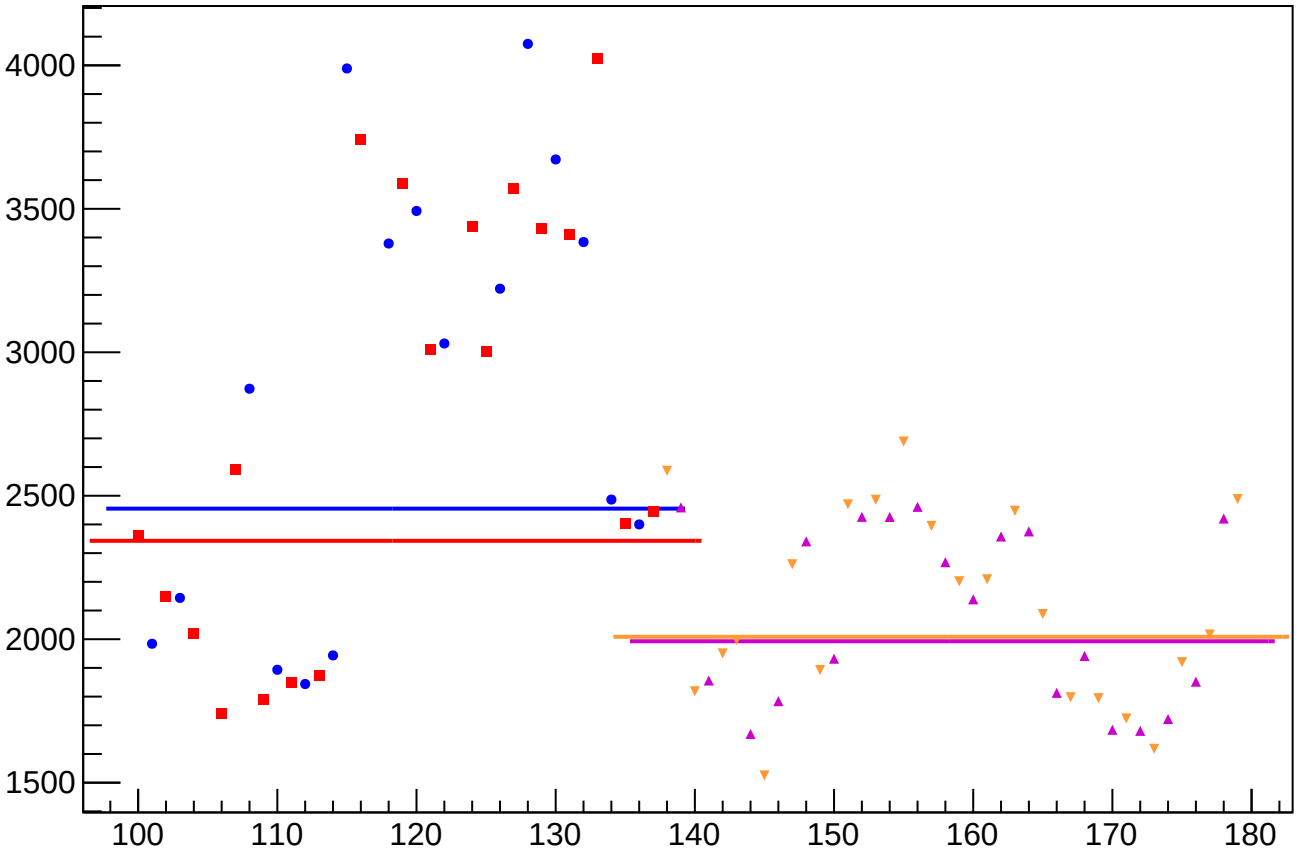
Left: -1073.675+/-349.235 χ^2/NDF: 88.3/41

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 263.381+/-442.178 χ^2/NDF:42.3/35

Out: -1463.754+/-428.569 χ^2/NDF:84.1/40

All: -627.174+/-307.743 χ^2/NDF: 134.2/76



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1992.831+/-0.354 χ^2/NDF:693871.3/19

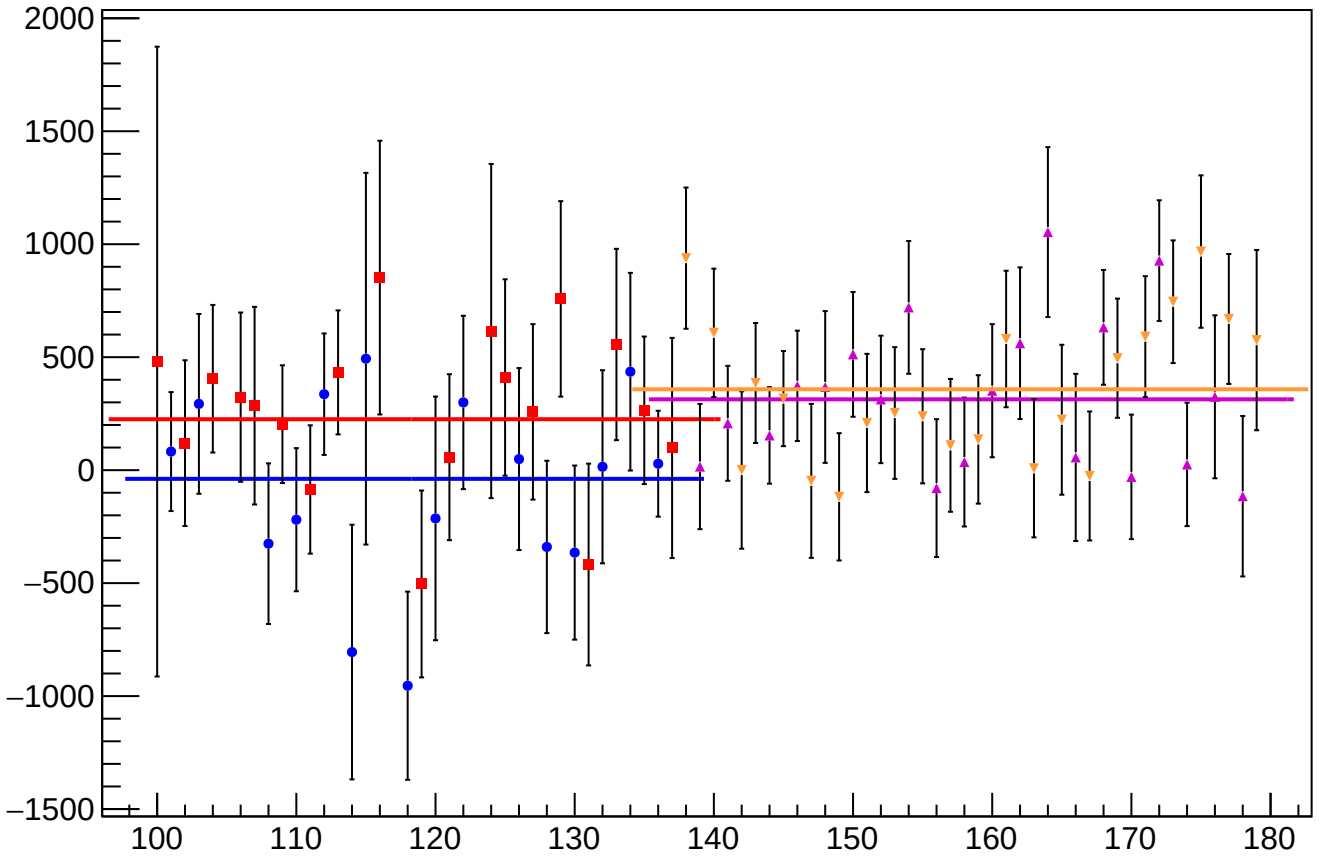
Left: 2000.817+/-0.247 χ^2/NDF: 1571554.7/41

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.521+/-0.313 χ^2/NDF:1960670.9/35

Out: 2084.985+/-0.303 χ^2/NDF:2162130.0/40

All: 2089.120+/-0.218 χ^2/NDF: 4123185.3/76



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 357.926+/-62.175 χ^2/NDF:23.1/21

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 313.466+/-64.168 χ^2/NDF:22.9/19

Left: 336.398+/-44.653 χ^2/NDF: 46.2/41

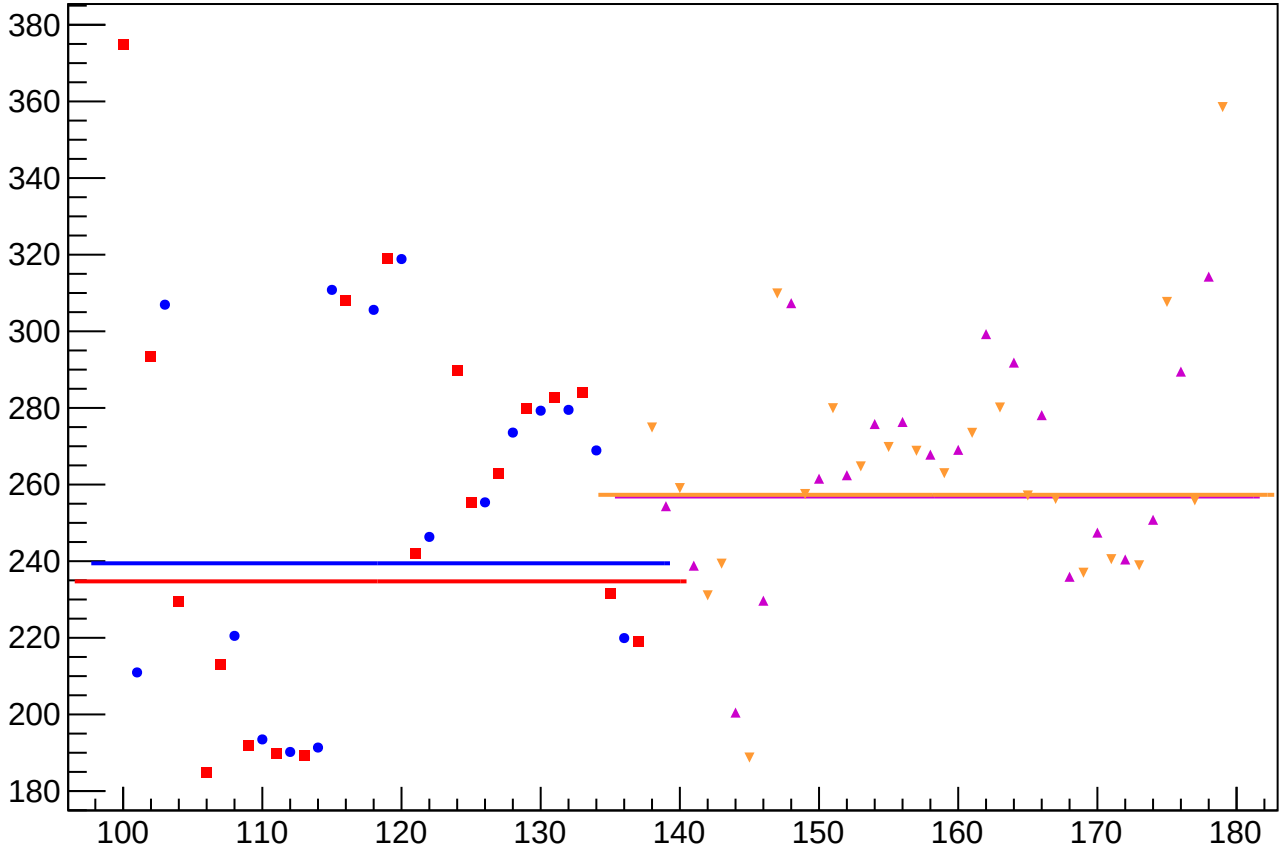
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 195.915+/-52.368 χ^2/NDF:47.4/35

Out: 313.784+/-50.764 χ^2/NDF:36.0/40

All: 256.682+/-36.450 χ^2/NDF: 86.1/76

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 257.325+/-0.044 χ^2/NDF:525454.3/21

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.882+/-0.045 χ^2/NDF:392700.9/19

Left: 257.110+/-0.032 χ^2/NDF: 918204.3/41

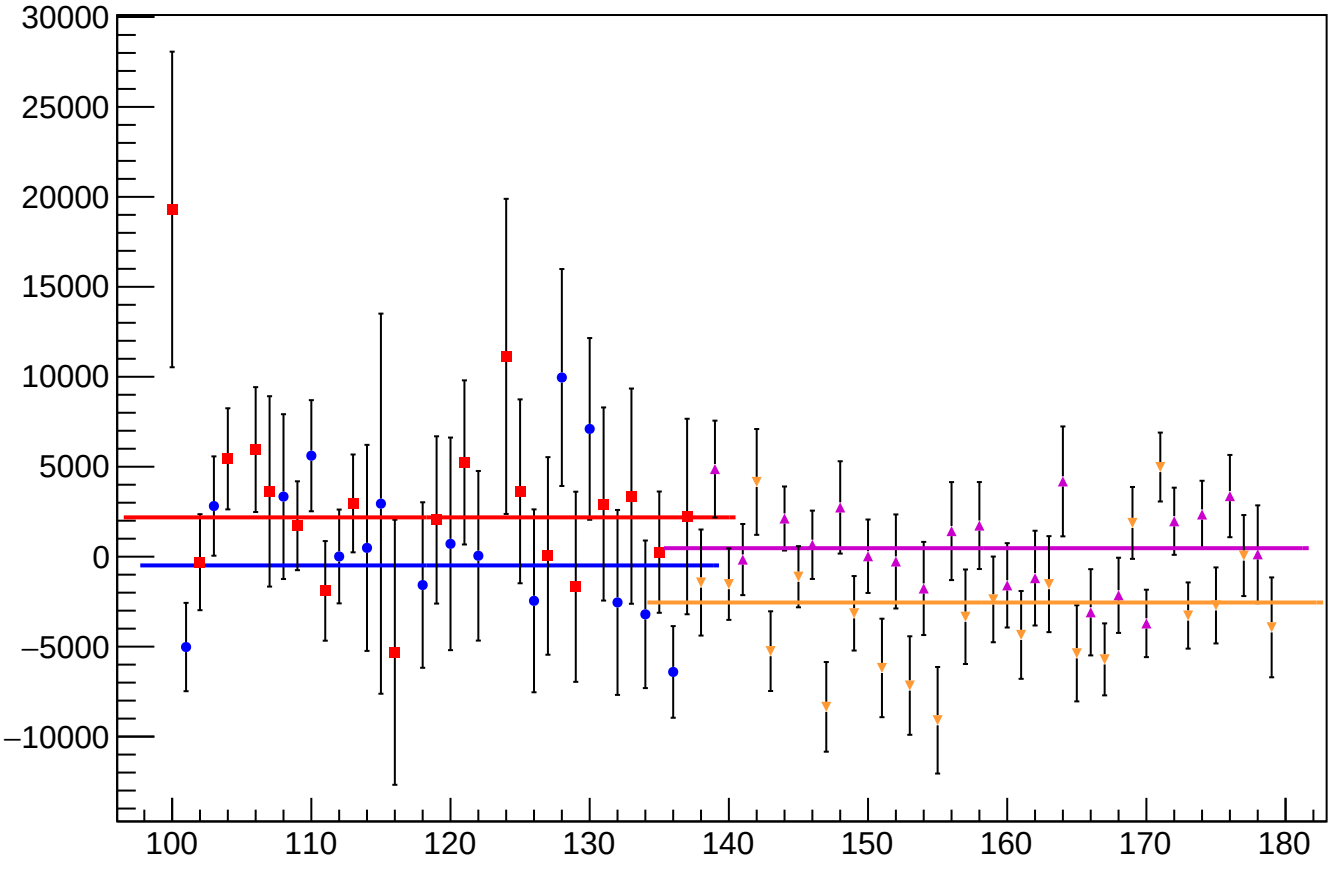
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 251.060+/-0.037 χ^2/NDF:842956.9/35

Out: 249.793+/-0.036 χ^2/NDF:1098723.0/40

All: 250.407+/-0.026 χ^2/NDF: 1942283.1/76

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2546.549+/-488.036 χ^2/NDF:49.3/21

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 472.076+/-499.965 χ^2/NDF:20.4/19

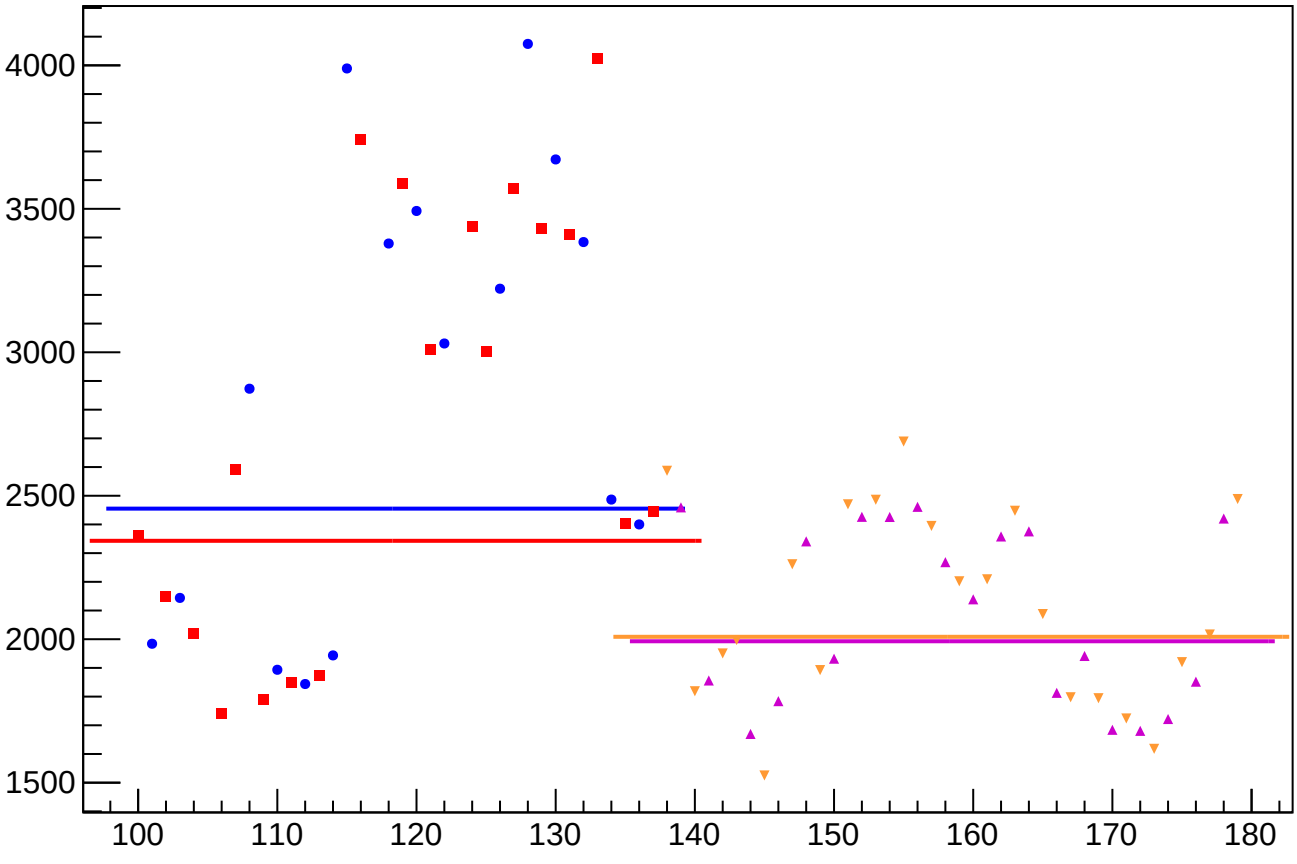
Left: -1073.675+/-349.235 χ^2/NDF: 88.3/41

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 263.381+/-442.178 χ^2/NDF:42.3/35

Out: -1463.754+/-428.569 χ^2/NDF:84.1/40

All: -627.174+/-307.743 χ^2/NDF: 134.2/76



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2008.427+/-0.345 χ^2/NDF:876686.9/21

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1992.831+/-0.354 χ^2/NDF:693871.3/19

Left: 2000.817+/-0.247 χ^2/NDF: 1571554.7/41

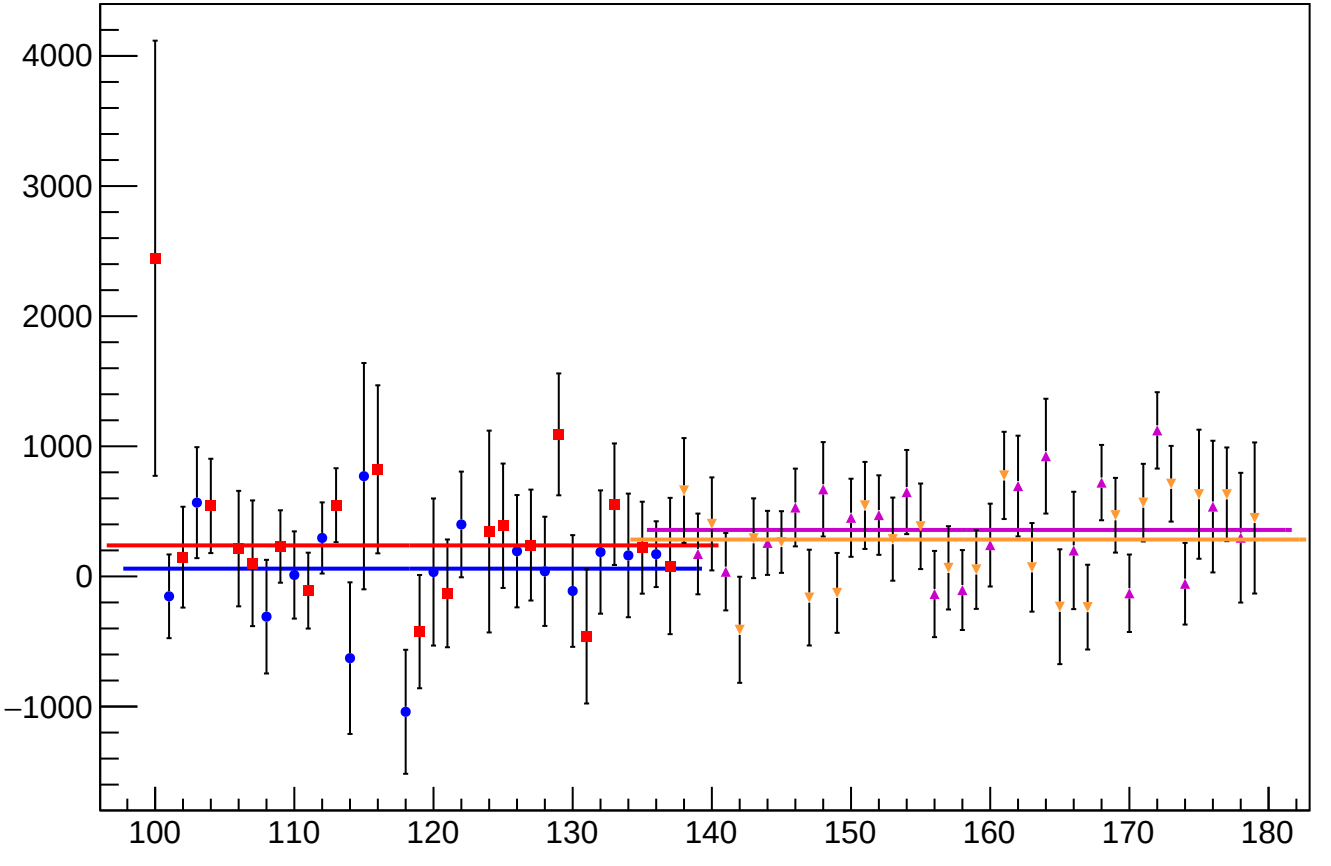
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.521+/-0.313 χ^2/NDF:1960670.9/35

Out: 2084.985+/-0.303 χ^2/NDF:2162130.0/40

All: 2089.120+/-0.218 χ^2/NDF: 4123185.3/76

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.462+/-71.226 χ^2/NDF:20.4/21

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 357.316+/-73.011 χ^2/NDF:23.9/19

Left: 319.475+/-50.984 χ^2/NDF: 44.8/41

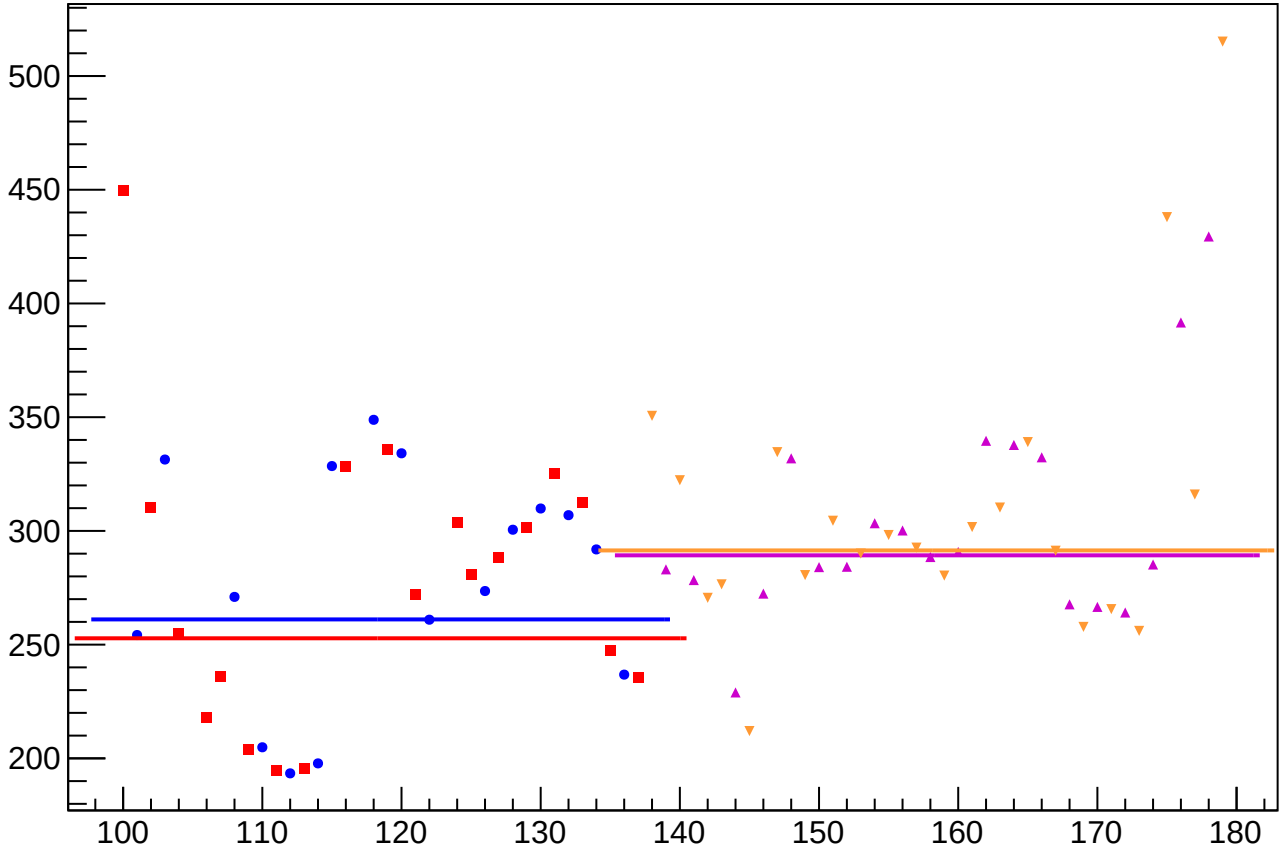
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 252.795+/-58.808 χ^2/NDF:41.7/35

Out: 267.302+/-57.001 χ^2/NDF:35.5/40

All: 260.275+/-40.930 χ^2/NDF: 77.2/76

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 291.420+/-0.050 χ^2/NDF:913500.3/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 289.263+/-0.052 χ^2/NDF:518606.9/19

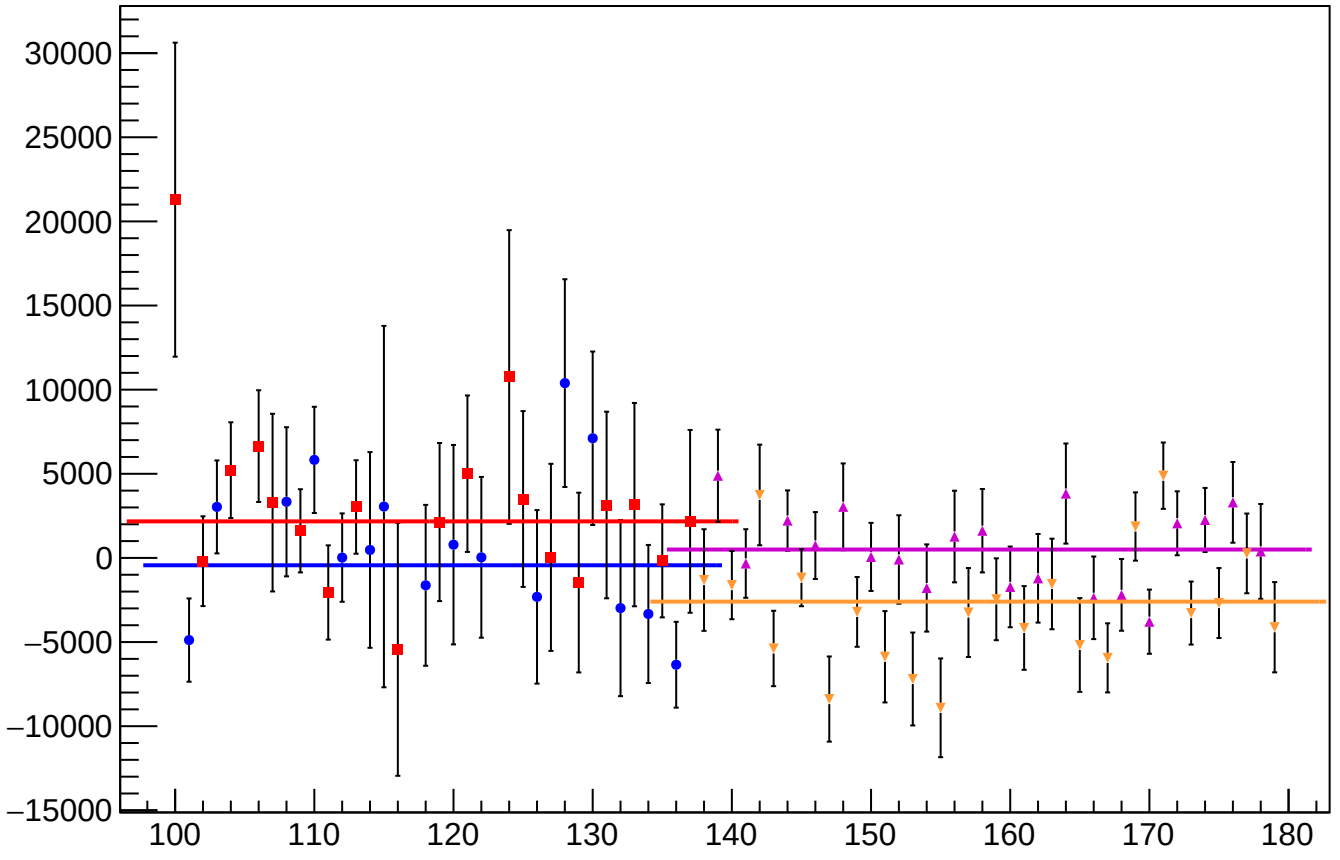
Left: 290.368+/-0.036 χ^2/NDF: 1433001.1/41

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 279.368+/-0.042 χ^2/NDF:1085872.6/35

Out: 277.529+/-0.040 χ^2/NDF:1662338.0/40

All: 278.420+/-0.029 χ^2/NDF: 2749218.0/76



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2598.044+/-494.163 χ^2/NDF:46.6/21

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 498.594+/-508.408 χ^2/NDF:19.2/19

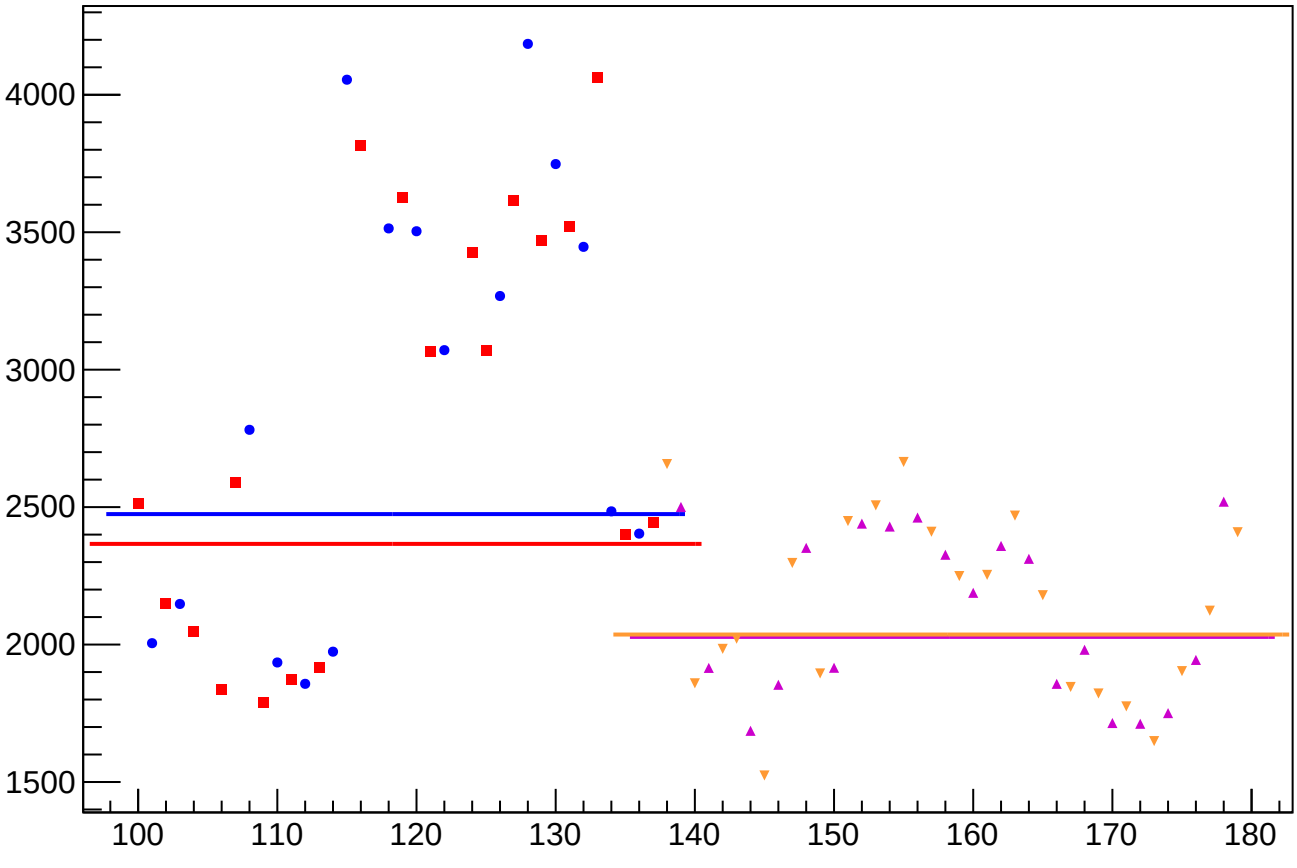
Left: -1093.716+/-354.355 χ^2/NDF: 84.9/41

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 292.094+/-448.790 χ^2/NDF:41.2/35

Out: -1495.154+/-433.286 χ^2/NDF:82.2/40

All: -632.934+/-311.716 χ^2/NDF: 131.6/76



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2036.475+/-0.349 χ^2/NDF:846888.4/21

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2027.918+/-0.359 χ^2/NDF:652913.2/19

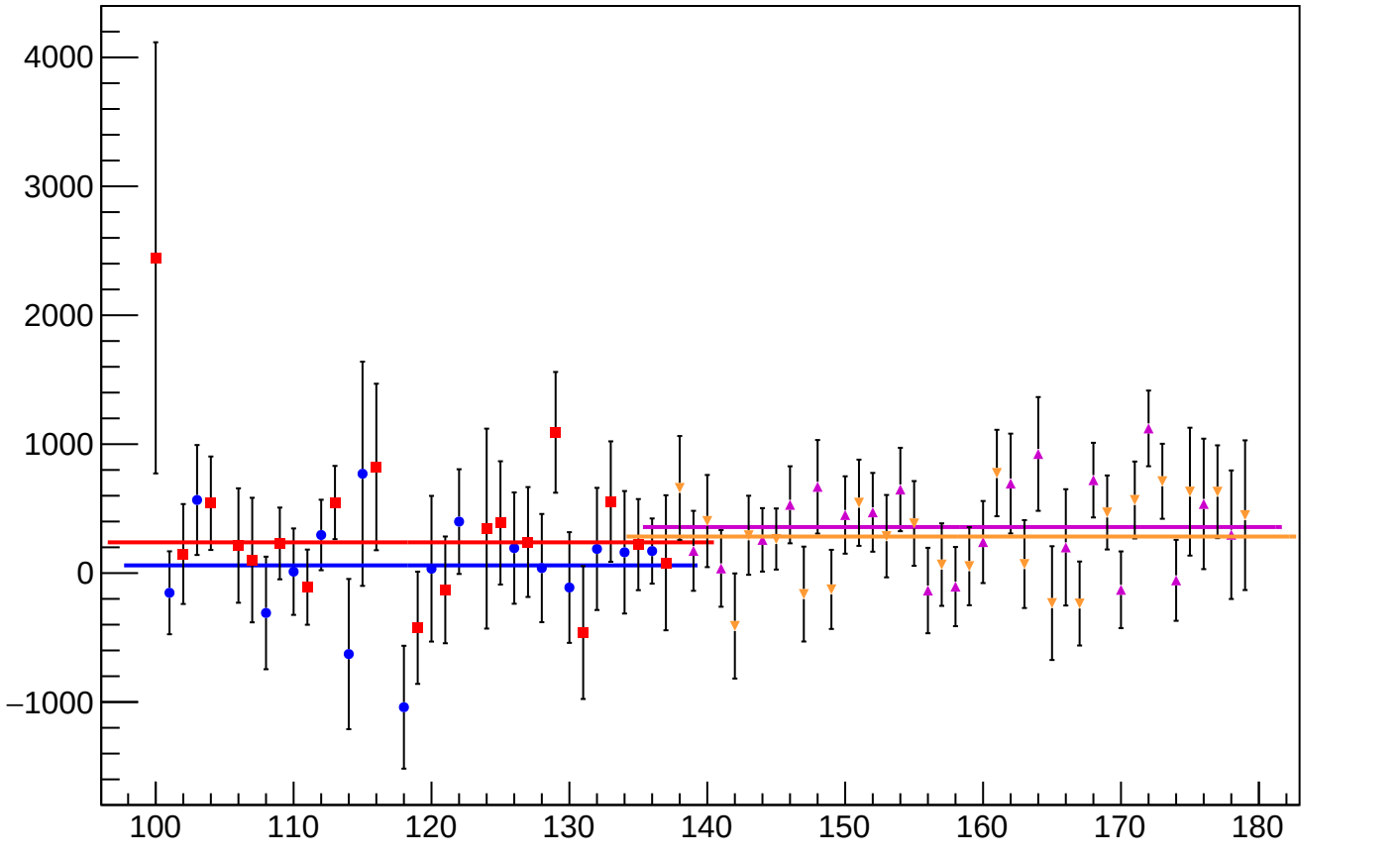
Left: 2032.318+/-0.251 χ^2/NDF: 1500093.0/41

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2126.541+/-0.317 χ^2/NDF:1910044.4/35

Out: 2112.715+/-0.306 χ^2/NDF:2129960.5/40

All: 2119.385+/-0.220 χ^2/NDF: 4040987.3/76



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 283.466+/-71.226 χ^2/NDF:20.4/21

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 357.316+/-73.011 χ^2/NDF:23.9/19

Left: 319.478+/-50.984 χ^2/NDF: 44.8/41

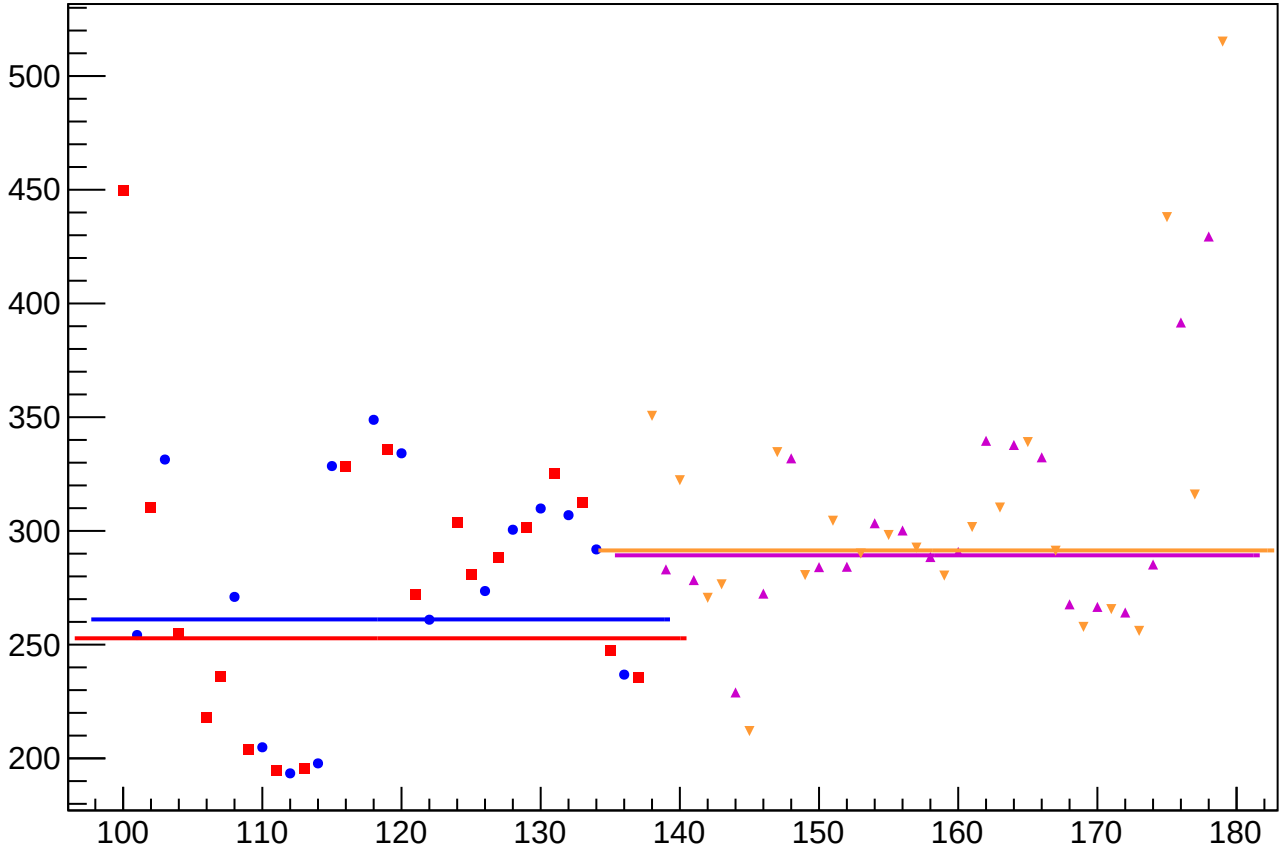
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 252.797+/-58.808 χ^2/NDF:41.7/35

Out: 267.304+/-57.001 χ^2/NDF:35.5/40

All: 260.277+/-40.930 χ^2/NDF: 77.2/76

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 291.420+/-0.050 χ^2/NDF:913500.8/21

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 289.263+/-0.052 χ^2/NDF:518596.9/19

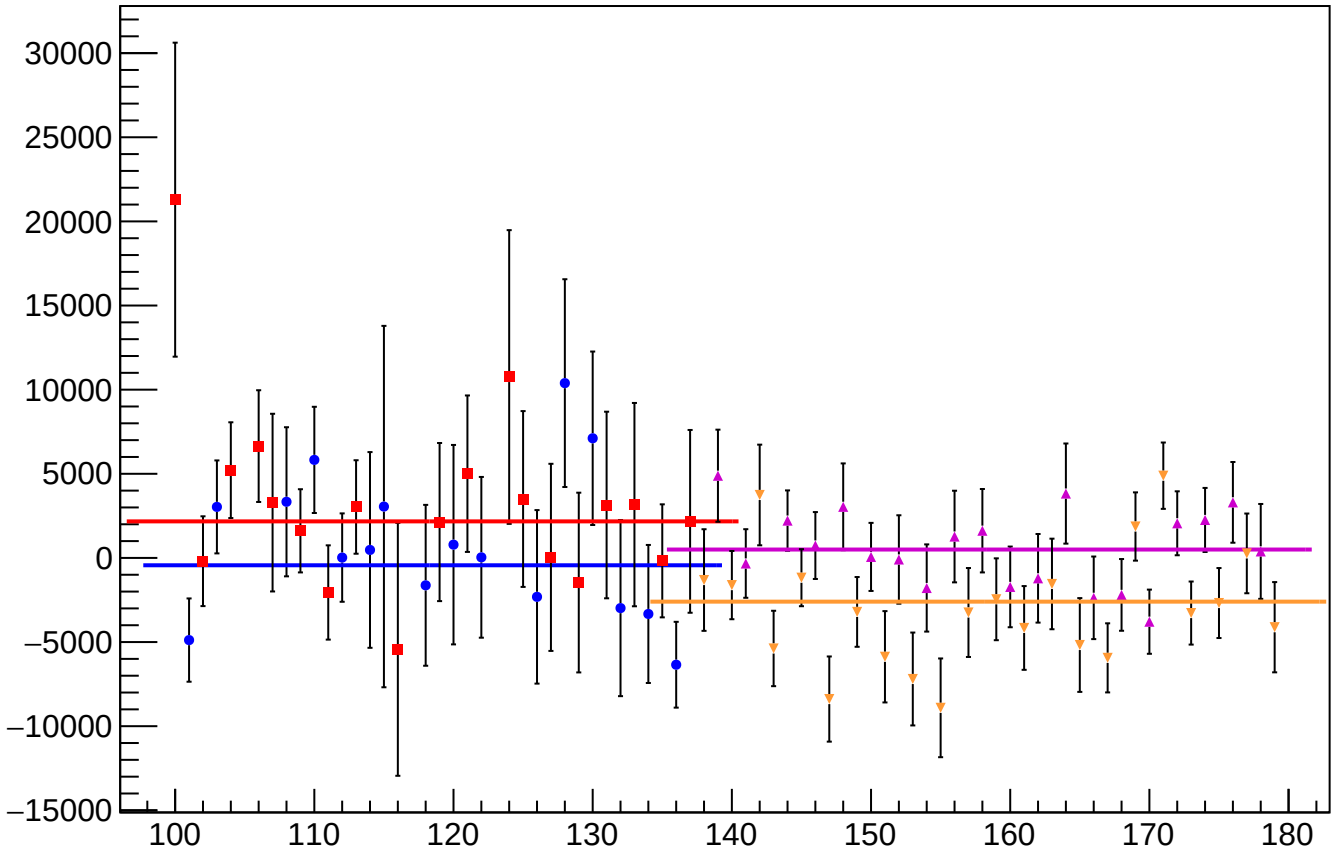
Left: 290.368+/-0.036 χ^2/NDF: 1432991.7/41

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 279.368+/-0.042 χ^2/NDF:1085867.0/35

Out: 277.530+/-0.040 χ^2/NDF:1662345.2/40

All: 278.420+/-0.029 χ^2/NDF: 2749219.7/76



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2598.039+/-494.162 χ^2/NDF:46.6/21

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 498.591+/-508.408 χ^2/NDF:19.2/19

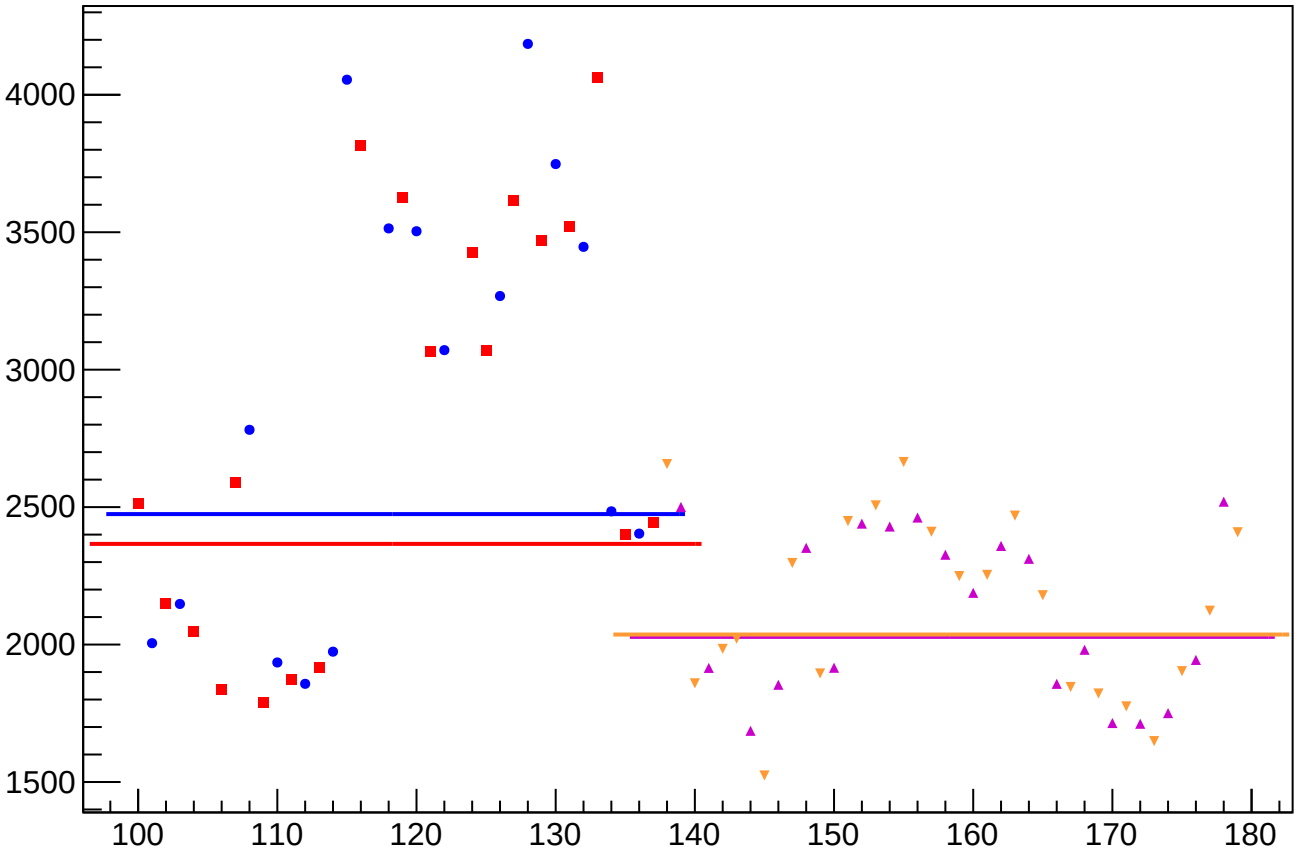
Left: -1093.715+/-354.355 χ^2/NDF: 84.9/41

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 292.092+/-448.789 χ^2/NDF:41.2/35

Out: -1495.152+/-433.286 χ^2/NDF:82.2/40

All: -632.934+/-311.716 χ^2/NDF: 131.6/76



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2036.472+/-0.349 χ^2/NDF:846890.6/21

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2027.915+/-0.359 χ^2/NDF:652912.8/19

Left: 2032.315+/-0.251 χ^2/NDF: 1500094.8/41

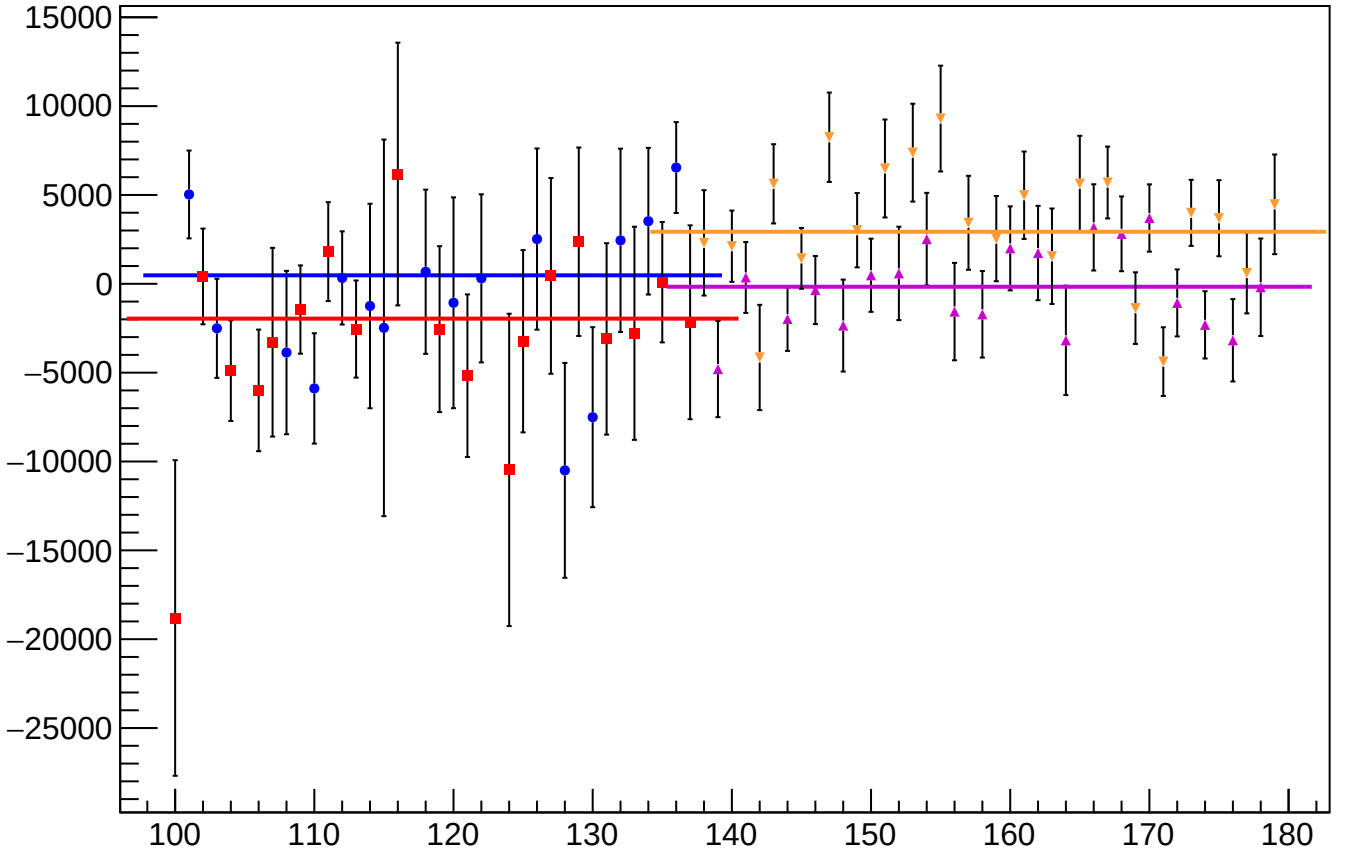
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2126.538+/-0.317 χ^2/NDF:1910049.5/35

Out: 2112.712+/-0.306 χ^2/NDF:2129967.2/40

All: 2119.382+/-0.220 χ^2/NDF: 4040999.1/76

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2928.985+/-492.289 χ^2/NDF:46.0/21

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -165.572+/-504.362 χ^2/NDF:20.2/19

Left: 1419.187+/-352.292 χ^2/NDF: 85.5/41

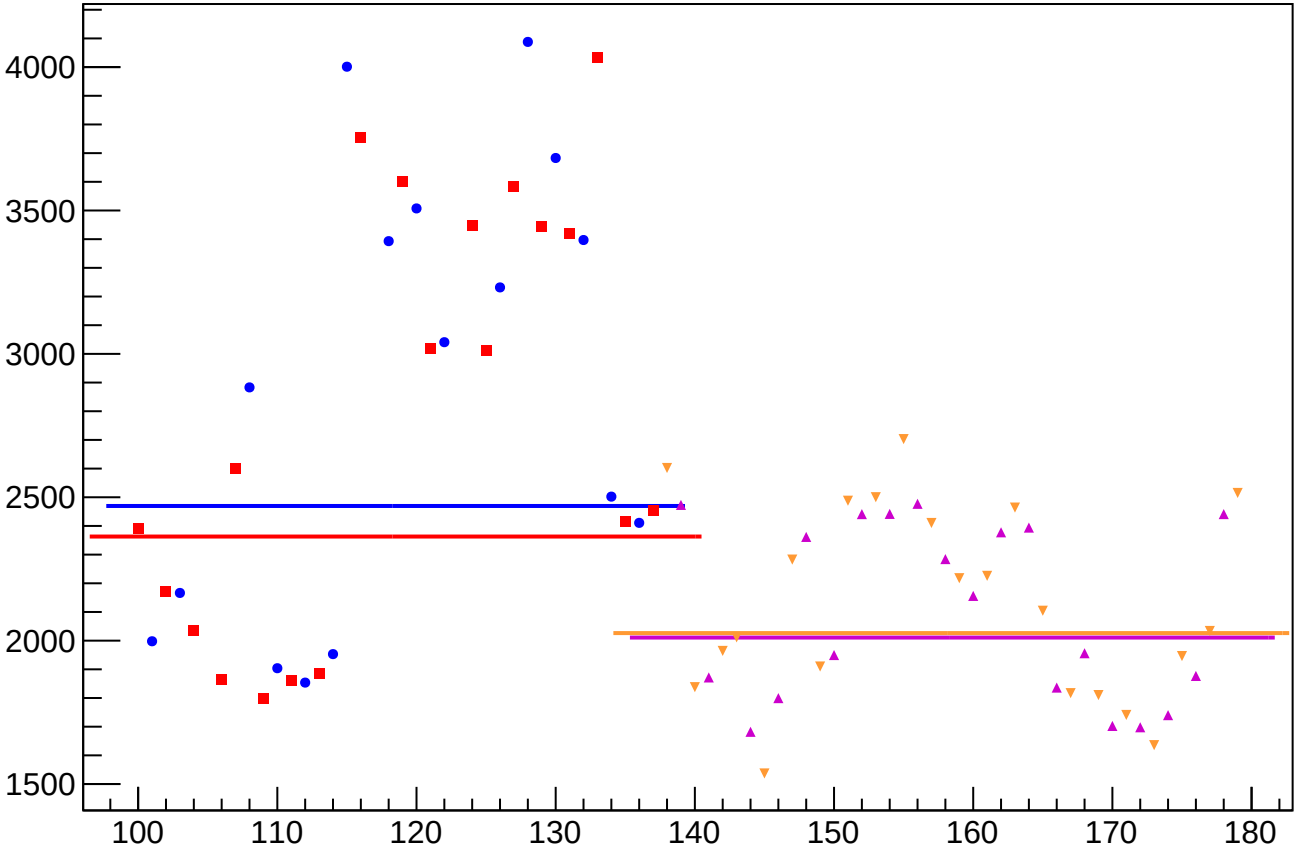
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -24.854+/-445.756 χ^2/NDF:42.7/35

Out: 1802.628+/-431.867 χ^2/NDF:81.6/40

All: 917.801+/-310.170 χ^2/NDF: 132.9/76

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2026.382+/-0.348 χ^2/NDF:865656.2/21

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2010.767+/-0.357 χ^2/NDF:683152.6/19

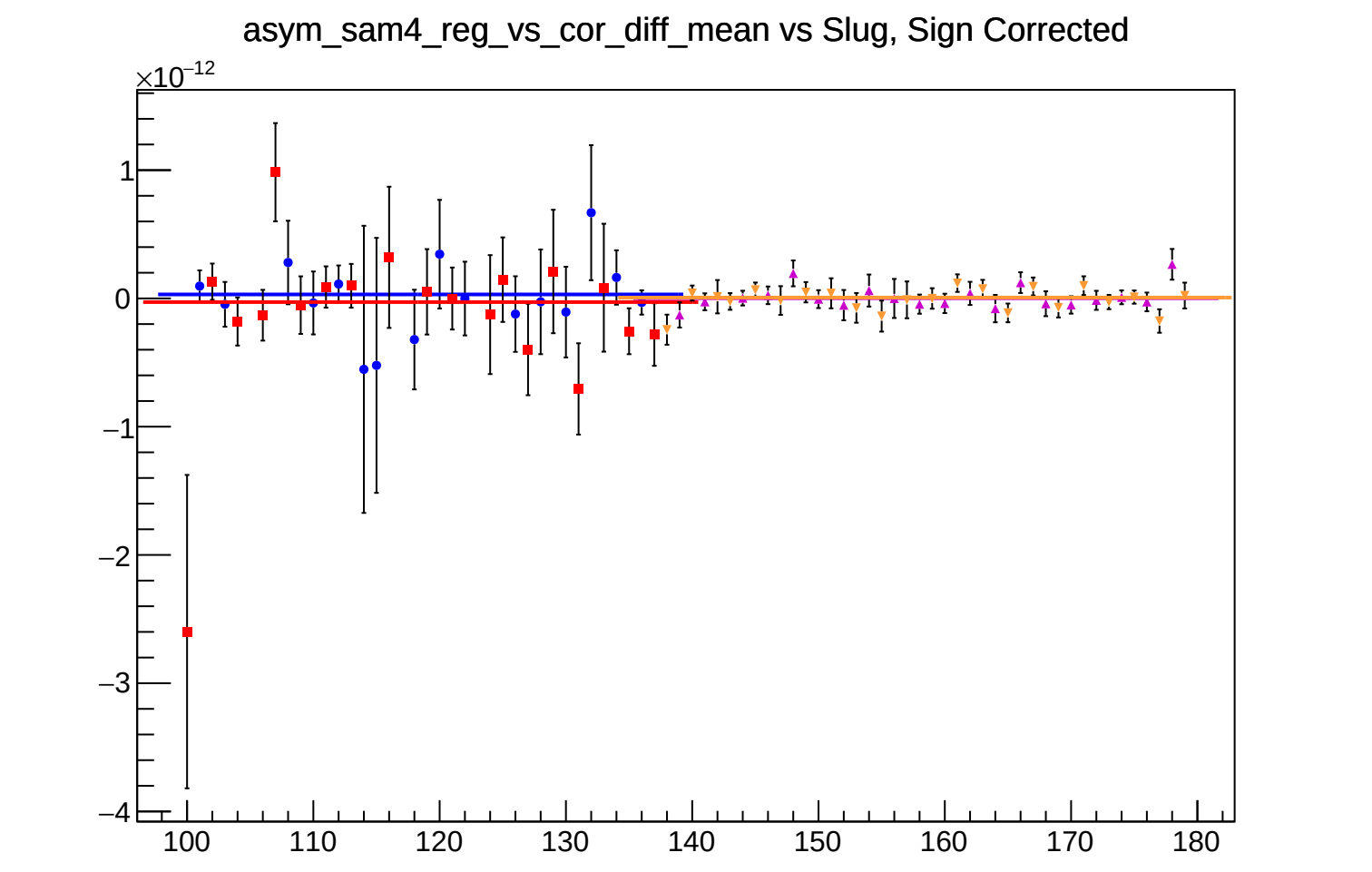
Left: 2018.764+/-0.249 χ^2/NDF: 1549790.6/41

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2111.212+/-0.315 χ^2/NDF:1931710.4/35

Out: 2103.955+/-0.305 χ^2/NDF:2124527.0/40

All: 2107.468+/-0.219 χ^2/NDF: 4056510.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/19

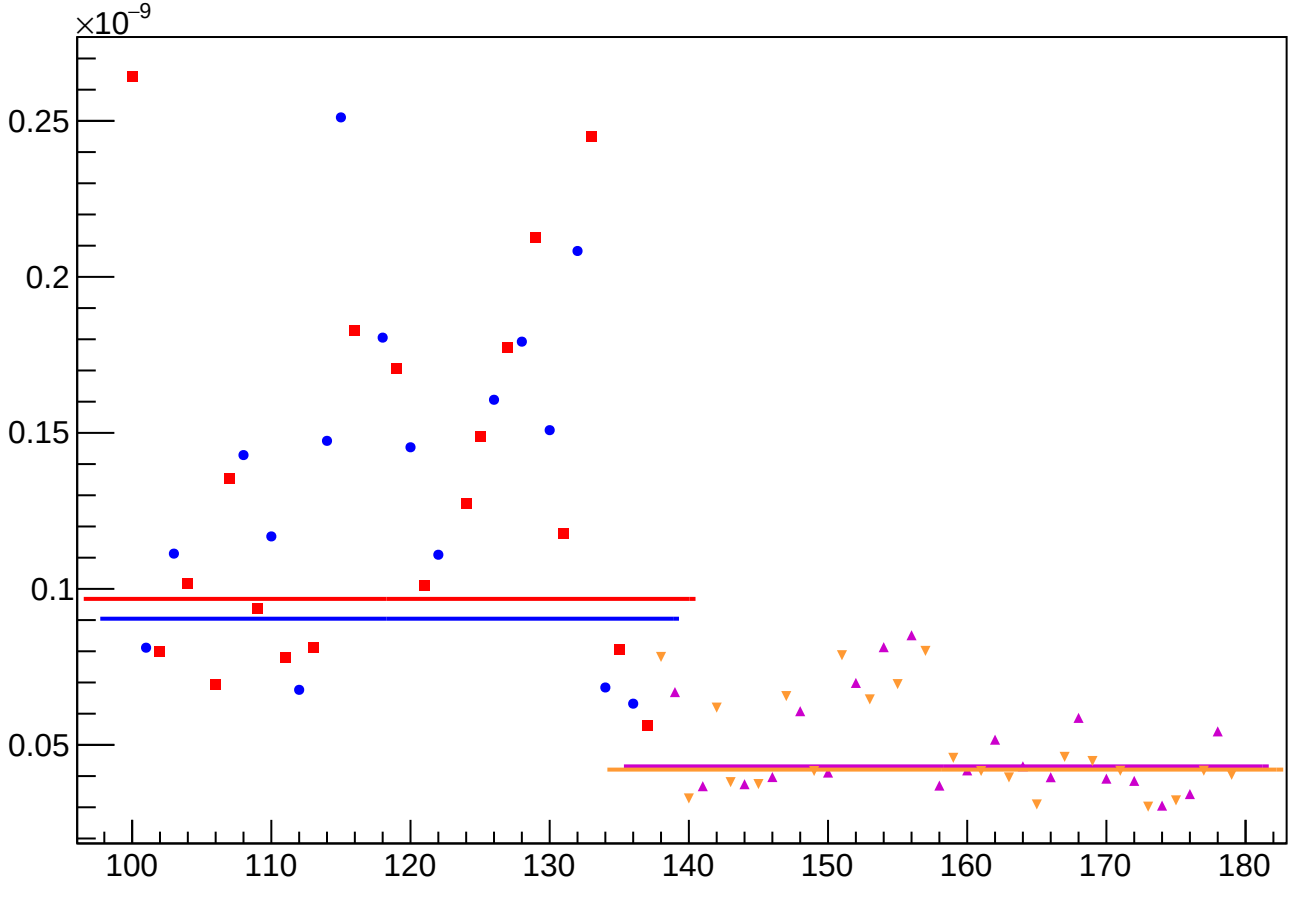
Left: 0.000+/-0.000 χ^2/NDF: 39.2/41

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:22.2/35

Out: 0.000+/-0.000 χ^2/NDF:46.9/40

All: 0.000+/-0.000 χ^2/NDF: 69.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1137320.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:924323.6/19

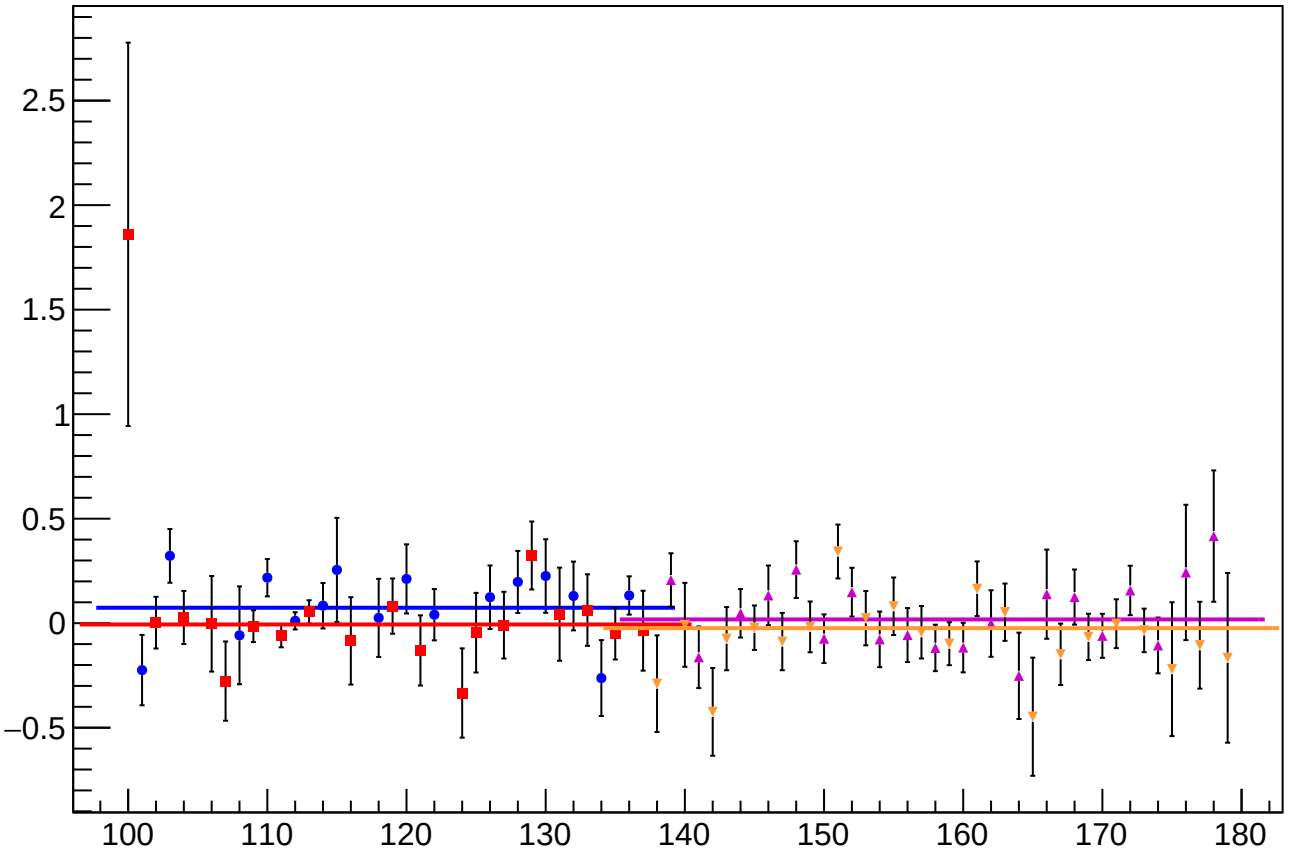
Left: 0.000+/-0.000 χ^2/NDF: 2065266.2/41

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3306032.5/35

Out: 0.000+/-0.000 χ^2/NDF:3750470.2/40

All: 0.000+/-0.000 χ^2/NDF: 7065449.6/76



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:20.6/19

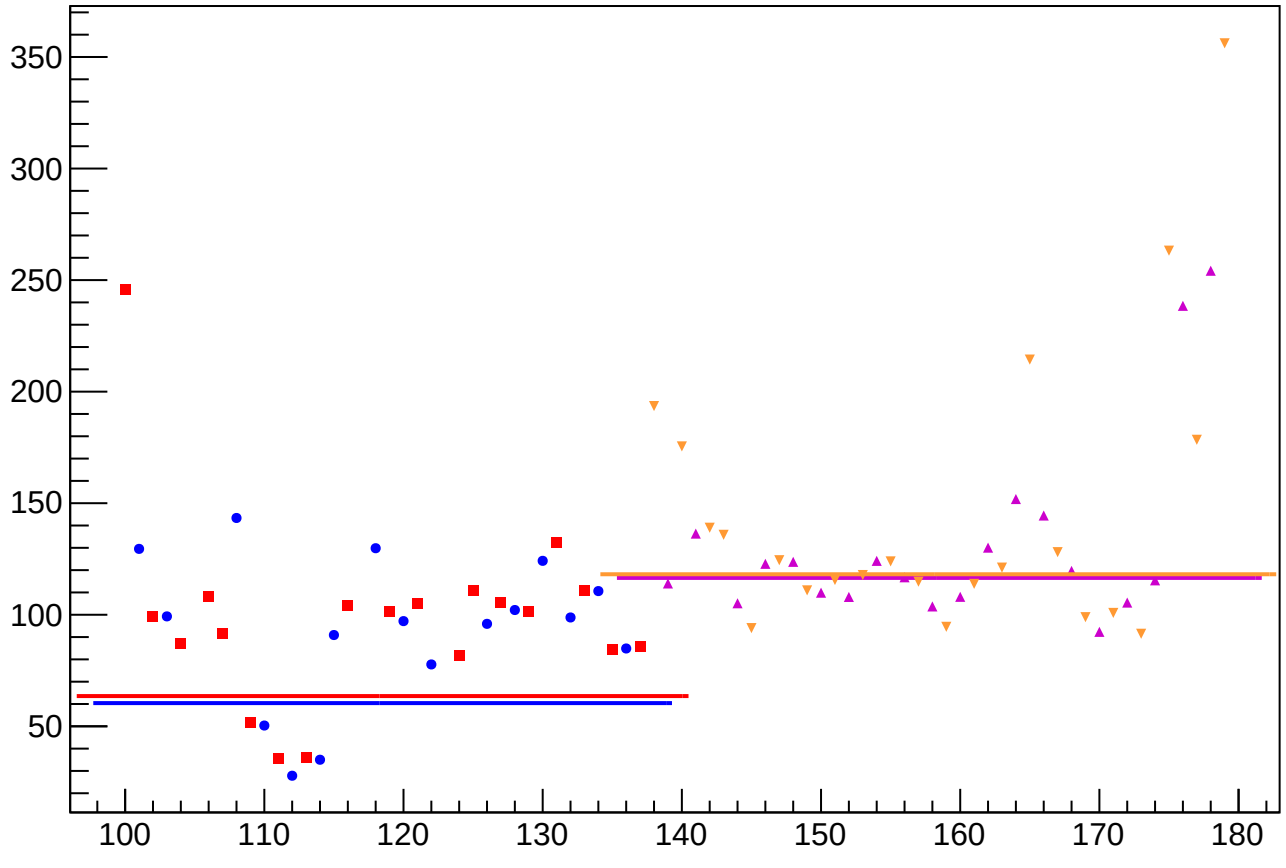
Left: -0.003+/-0.021 χ^2/NDF: 42.4/41

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.017+/-0.014 χ^2/NDF: 83.8/76



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.518+/-0.022 χ^2/NDF:1025865.2/19

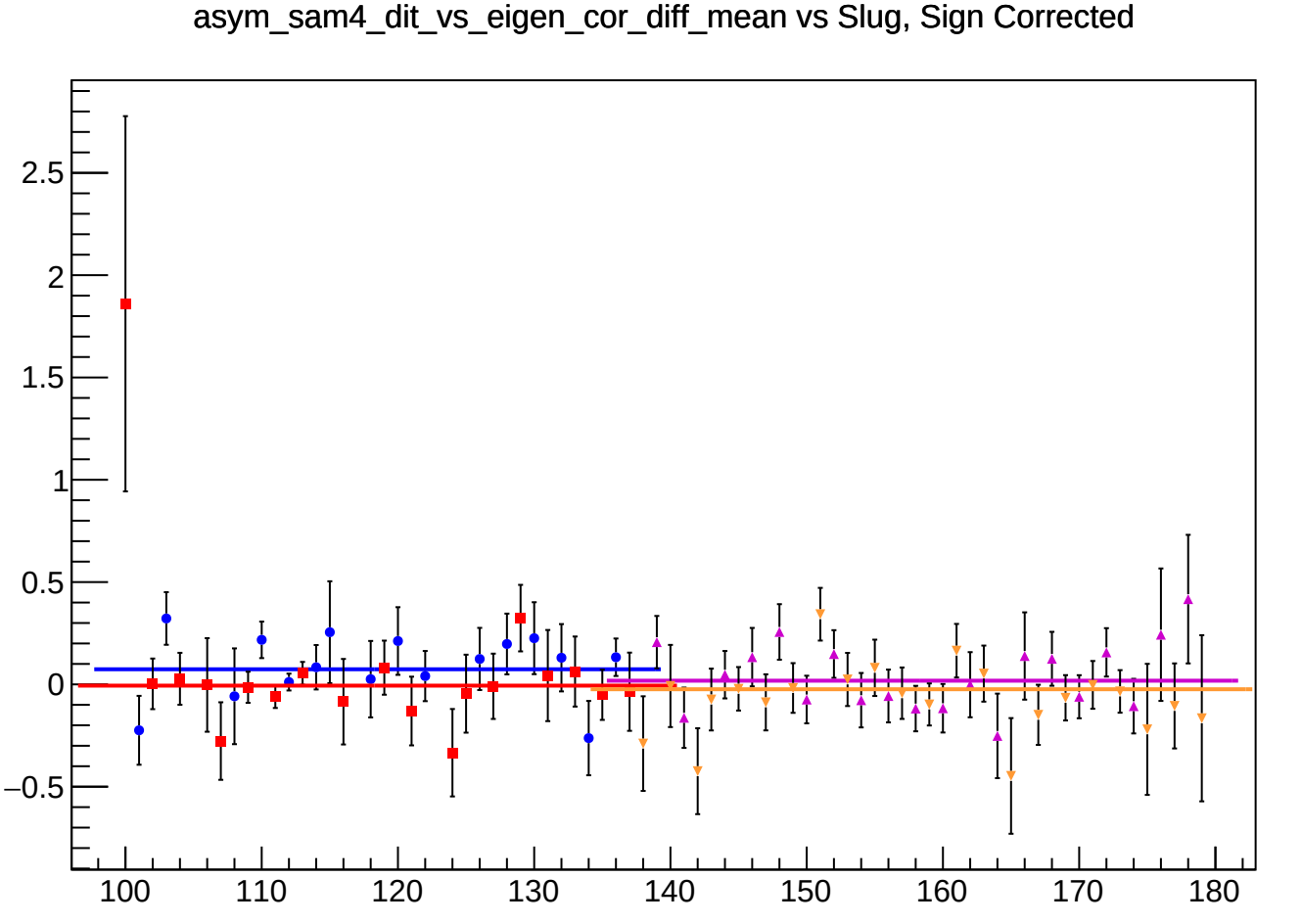
Left: 117.344+/-0.015 χ^2/NDF: 3422260.8/41

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 85.143+/-0.014 χ^2/NDF:8369823.6/35

Out: 87.760+/-0.014 χ^2/NDF:8719937.0/40

All: 86.463+/-0.010 χ^2/NDF: 17106695.4/76



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:20.6/19

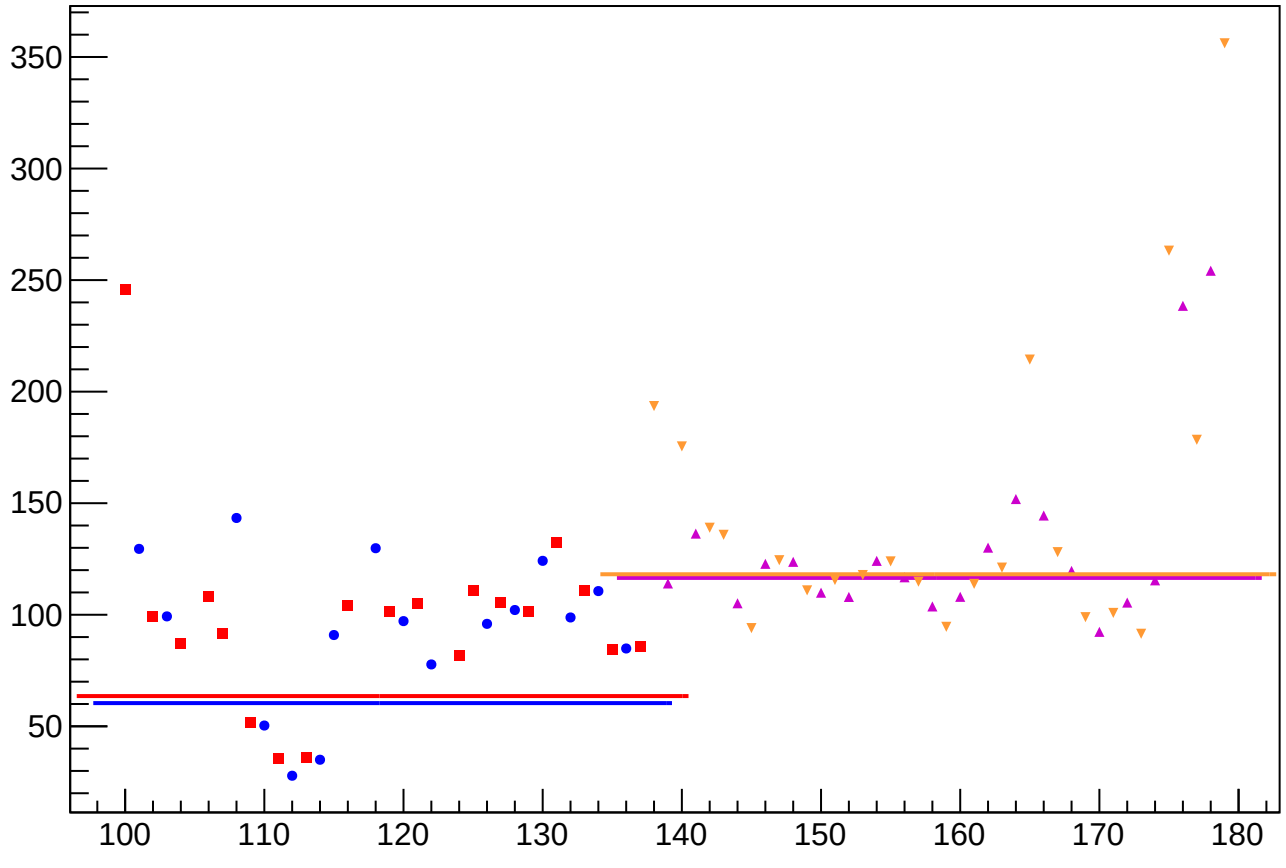
Left: -0.003+/-0.021 χ^2/NDF: 42.4/41

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.017+/-0.014 χ^2/NDF: 83.8/76



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 118.152+/-0.021 χ^2/NDF:2393476.6/21

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.518+/-0.022 χ^2/NDF:1025865.2/19

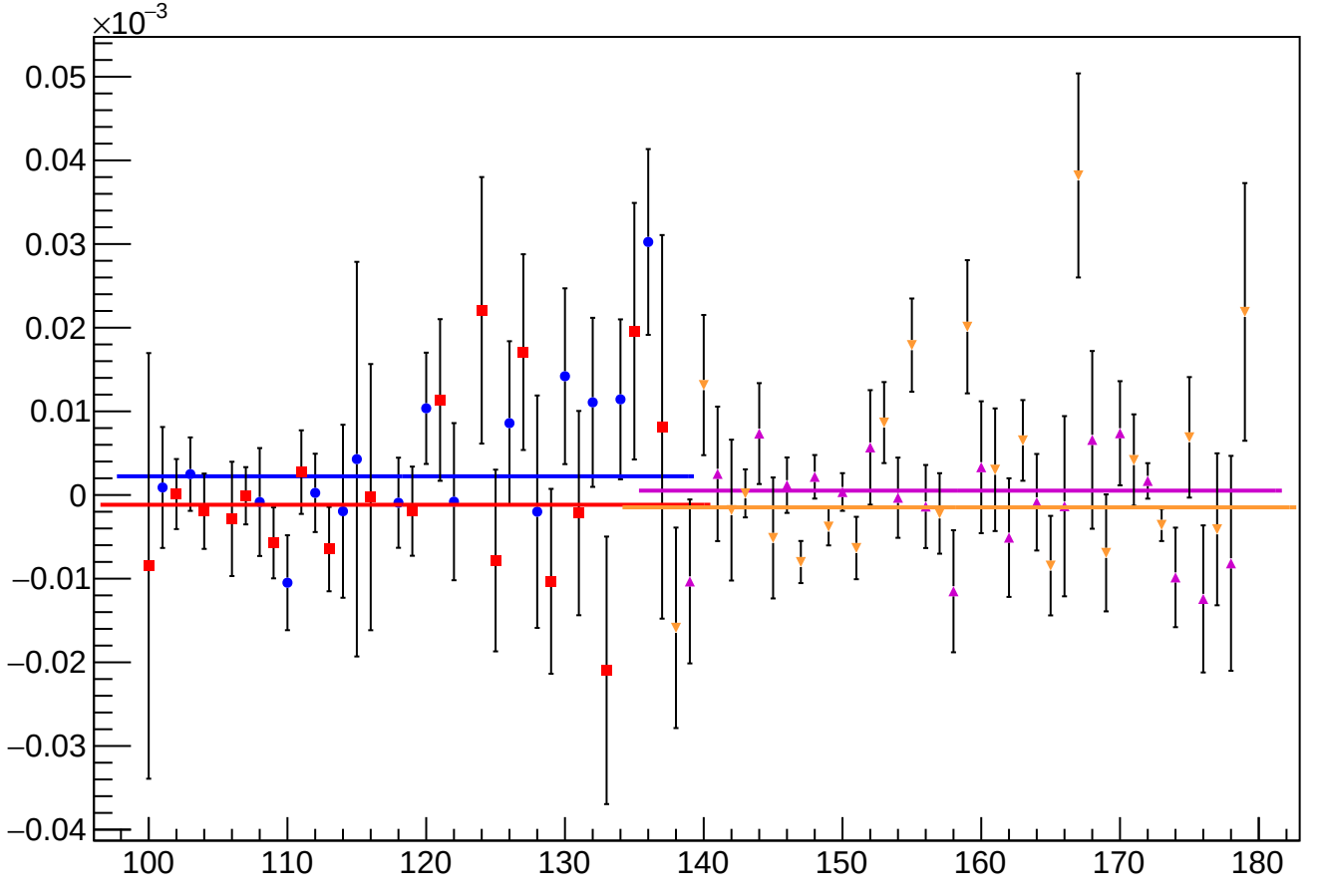
Left: 117.344+/-0.015 χ^2/NDF: 3422260.8/41

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 85.143+/-0.014 χ^2/NDF:8369823.6/35

Out: 87.760+/-0.014 χ^2/NDF:8719937.0/40

All: 86.463+/-0.010 χ^2/NDF: 17106695.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:60.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/19

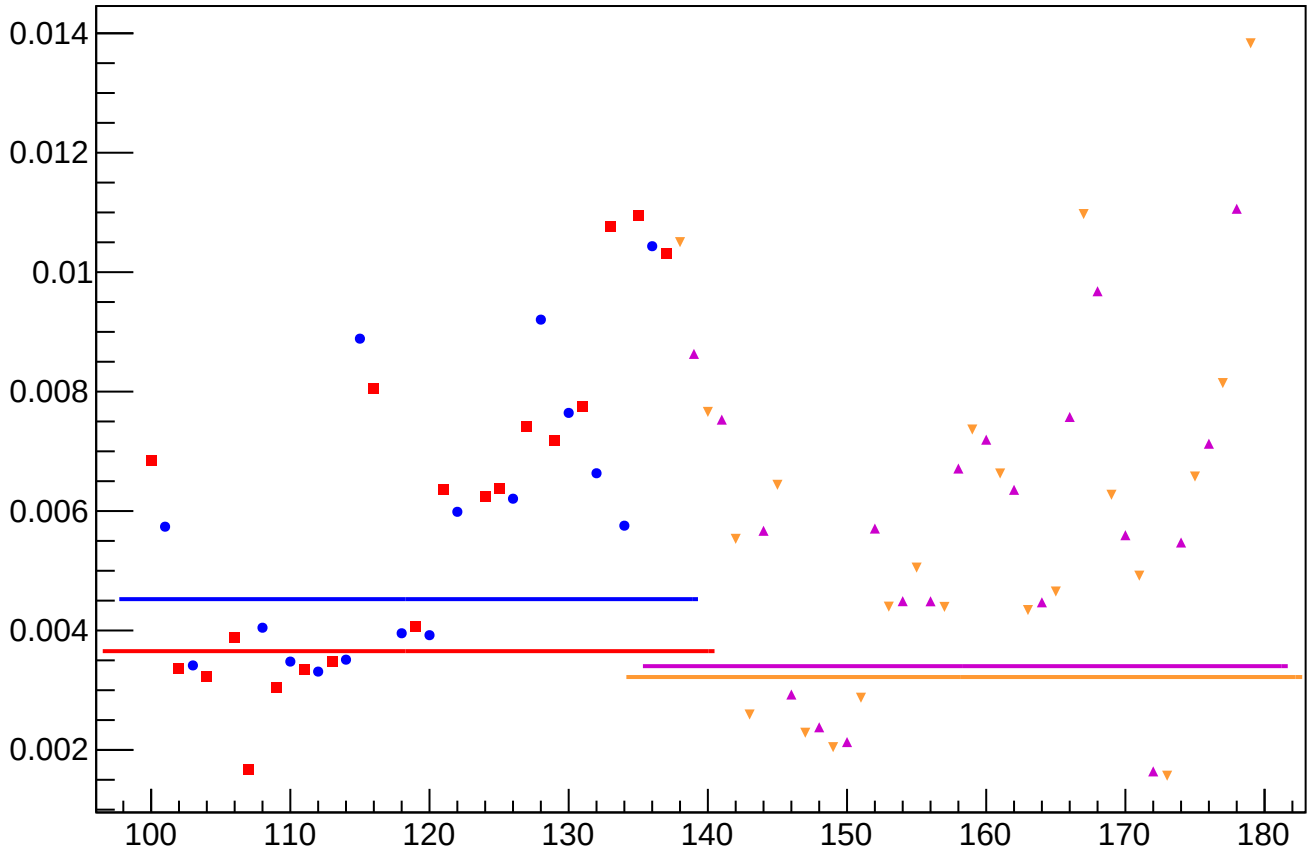
Left: -0.000+/-0.000 χ^2/NDF: 77.1/41

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:33.0/35

Out: -0.000+/-0.000 χ^2/NDF:74.3/40

All: -0.000+/-0.000 χ^2/NDF: 111.1/76



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:9256218.1/21

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:8022278.5/19

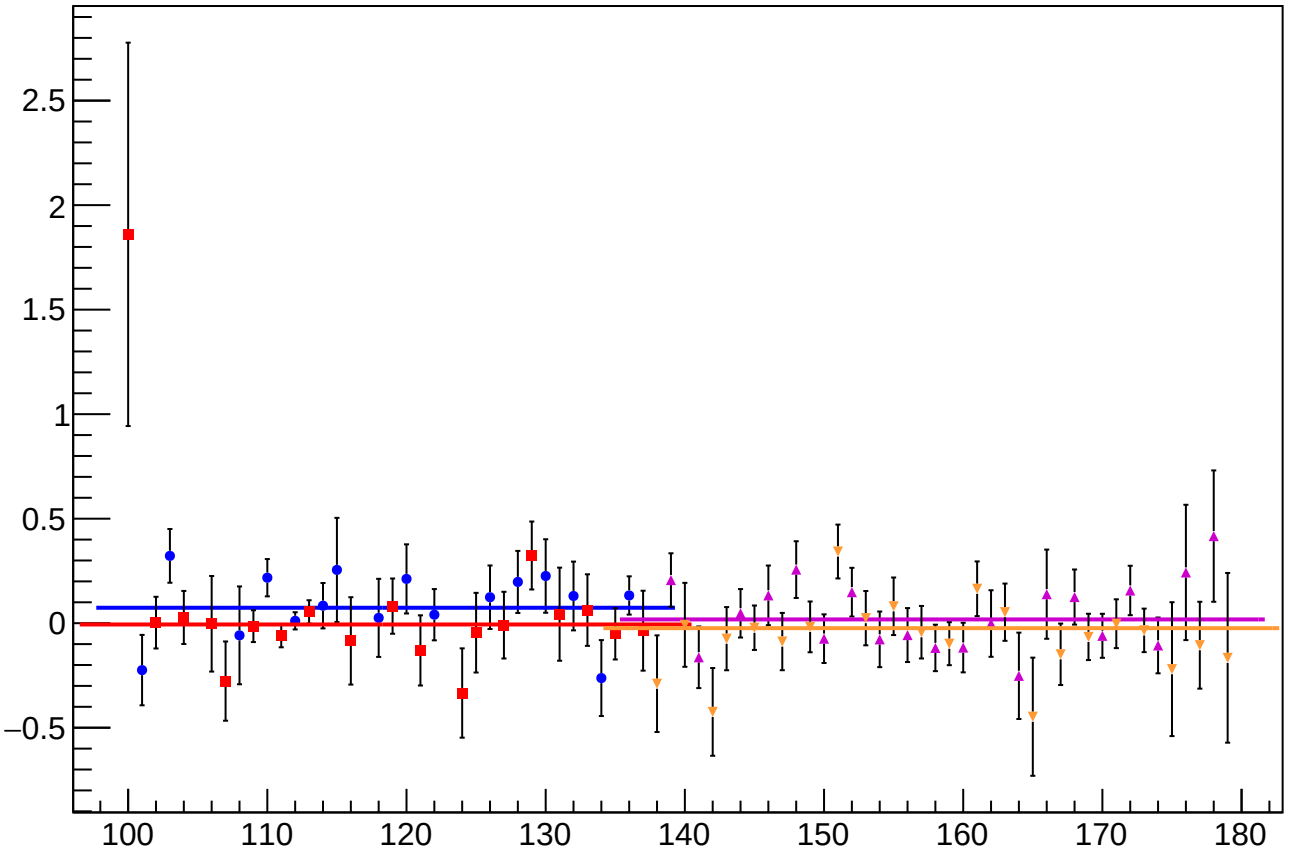
Left: 0.003+/-0.000 χ^2/NDF: 17314420.7/41

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:10330885.0/35

Out: 0.003+/-0.000 χ^2/NDF:12311090.1/40

All: 0.003+/-0.000 χ^2/NDF: 22797865.1/76



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:20.6/19

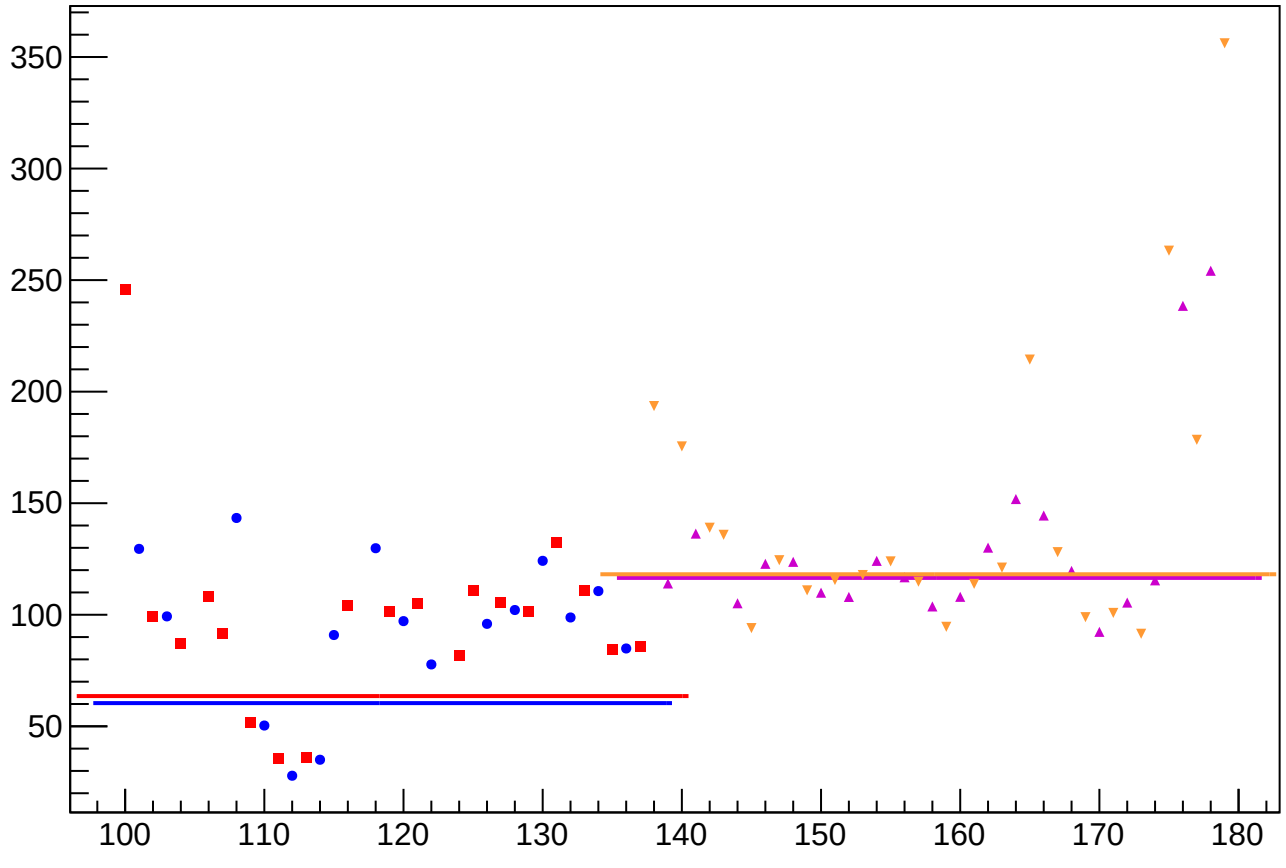
Left: -0.003+/-0.021 χ^2/NDF: 42.4/41

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.017+/-0.014 χ^2/NDF: 83.8/76



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.153+/-0.021 χ^2/NDF:2393434.0/21

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.519+/-0.022 χ^2/NDF:1025822.2/19

Left: 117.345+/-0.015 χ^2/NDF: 3422175.4/41

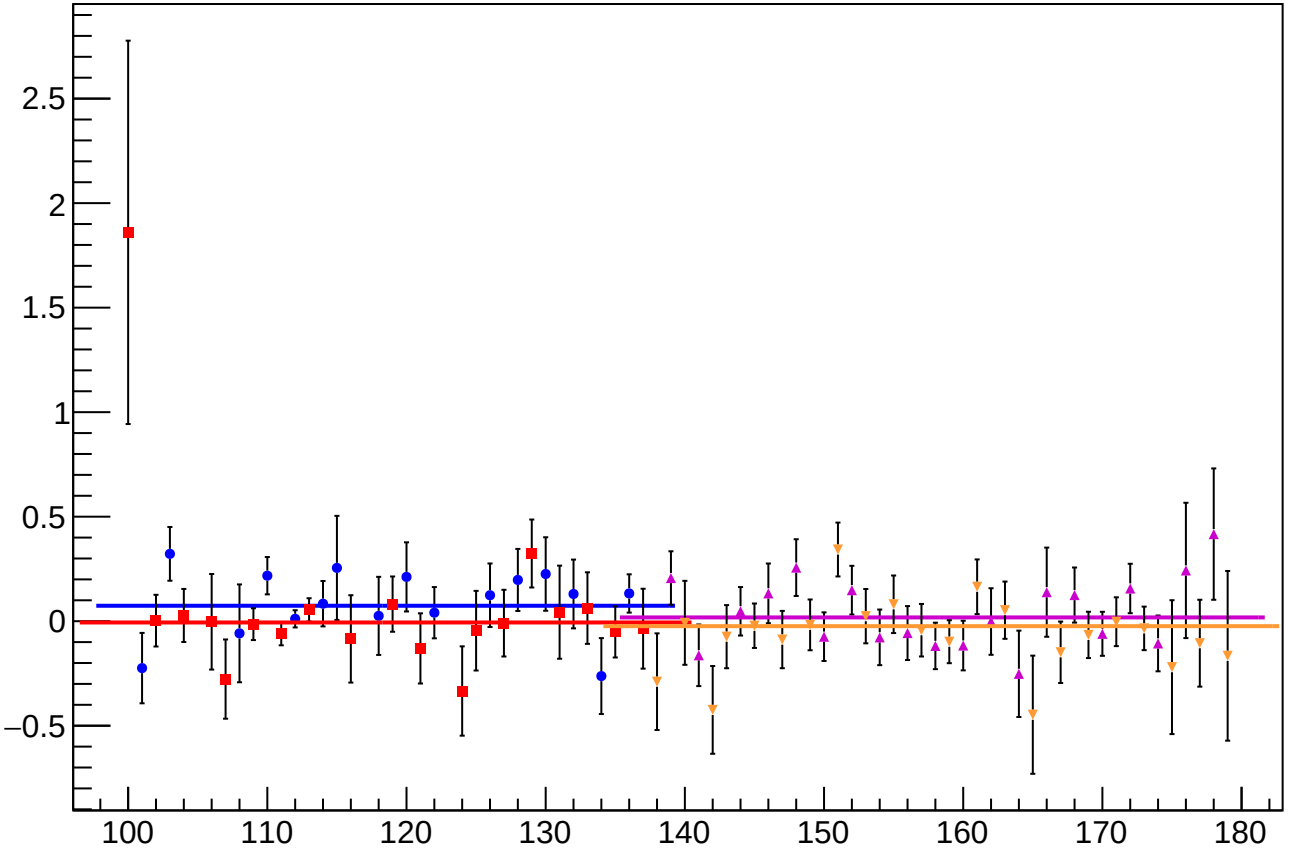
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 85.142+/-0.014 χ^2/NDF:8370486.3/35

Out: 87.759+/-0.014 χ^2/NDF:8720561.9/40

All: 86.462+/-0.010 χ^2/NDF: 17107987.5/76

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-0.030 χ^2/NDF:20.9/21

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.018+/-0.030 χ^2/NDF:20.6/19

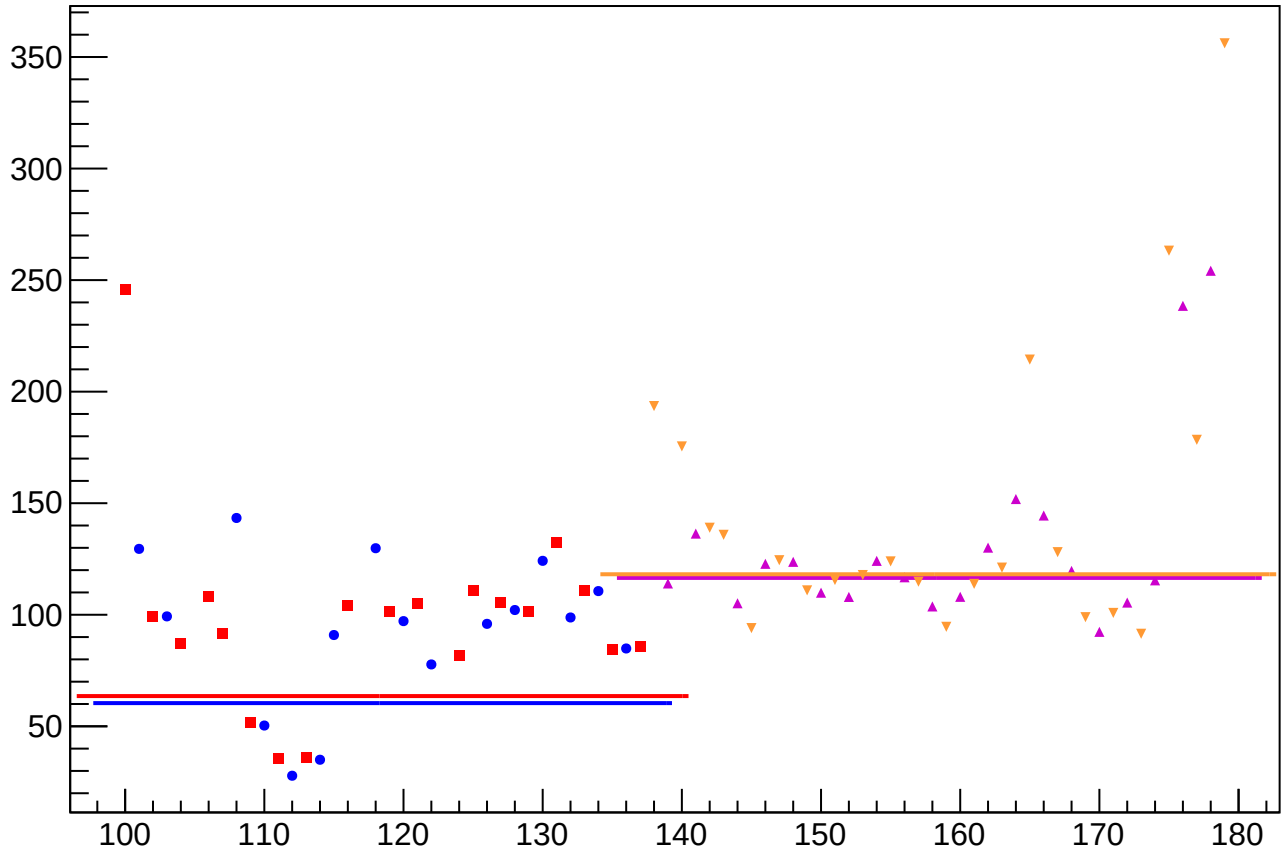
Left: -0.003+/-0.021 χ^2/NDF: 42.4/41

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.5/40

All: 0.017+/-0.014 χ^2/NDF: 83.8/76



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 118.153+/-0.021 χ^2/NDF:2393434.0/21

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.519+/-0.022 χ^2/NDF:1025822.2/19

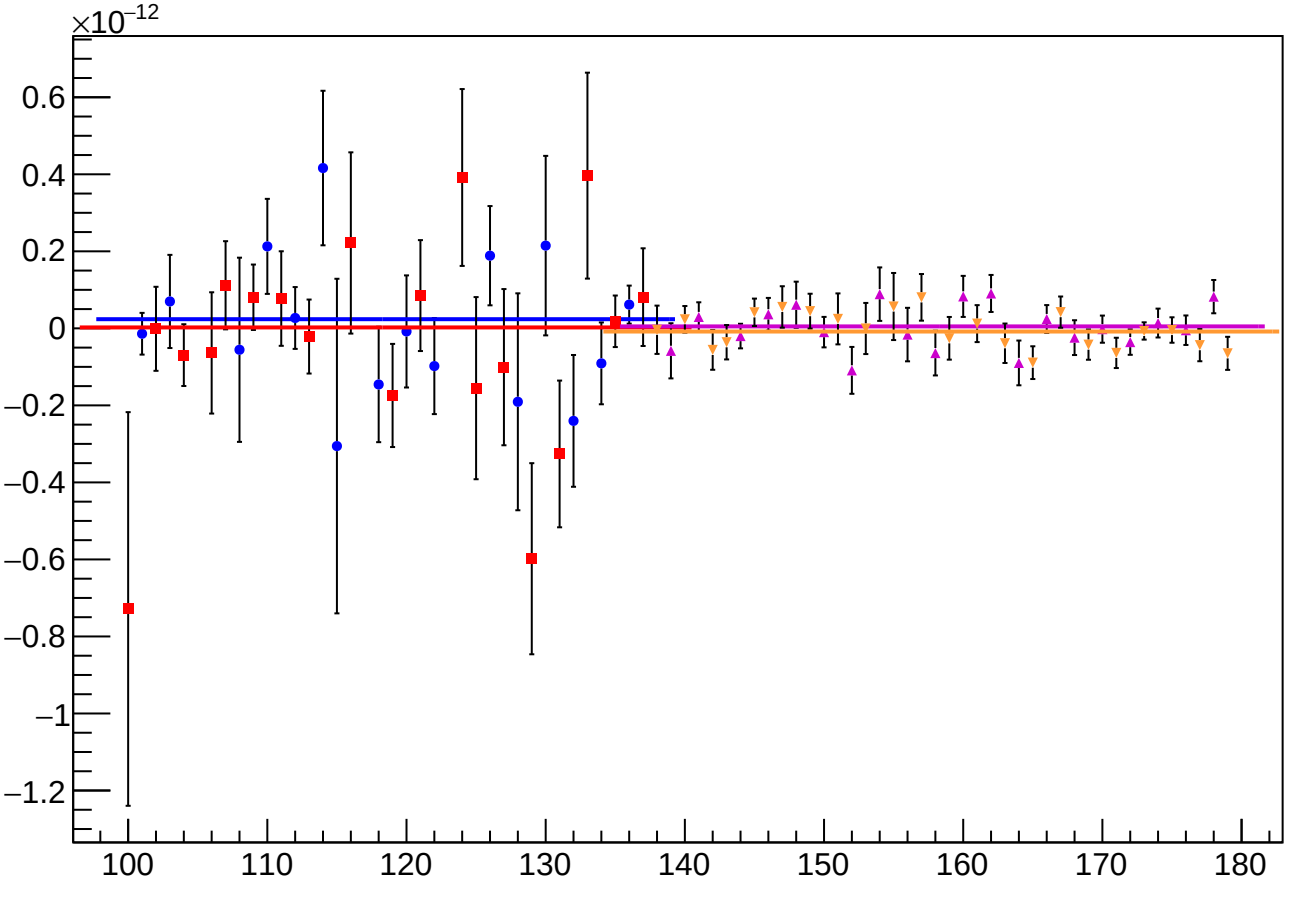
Left: 117.345+/-0.015 χ^2/NDF: 3422175.4/41

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 85.142+/-0.014 χ^2/NDF:8370486.3/35

Out: 87.759+/-0.014 χ^2/NDF:8720561.9/40

All: 86.462+/-0.010 χ^2/NDF: 17107987.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:23.4/19

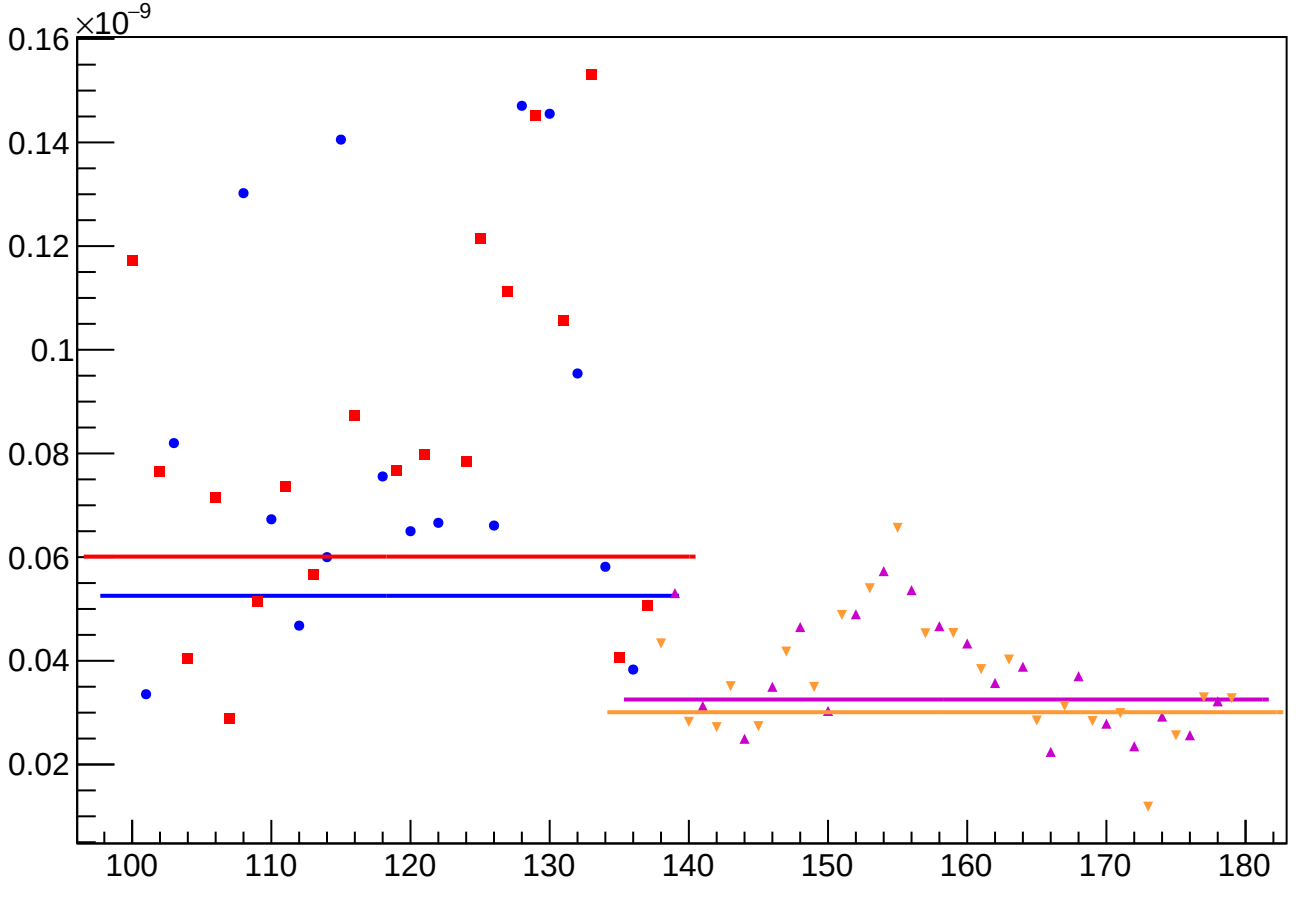
Left: -0.000+/-0.000 χ^2/NDF: 45.2/41

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:40.7/35

Out: -0.000+/-0.000 χ^2/NDF:44.1/40

All: -0.000+/-0.000 χ^2/NDF: 86.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2808139.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1660048.5/19

Left: 0.000+/-0.000 χ^2/NDF: 4535032.0/41

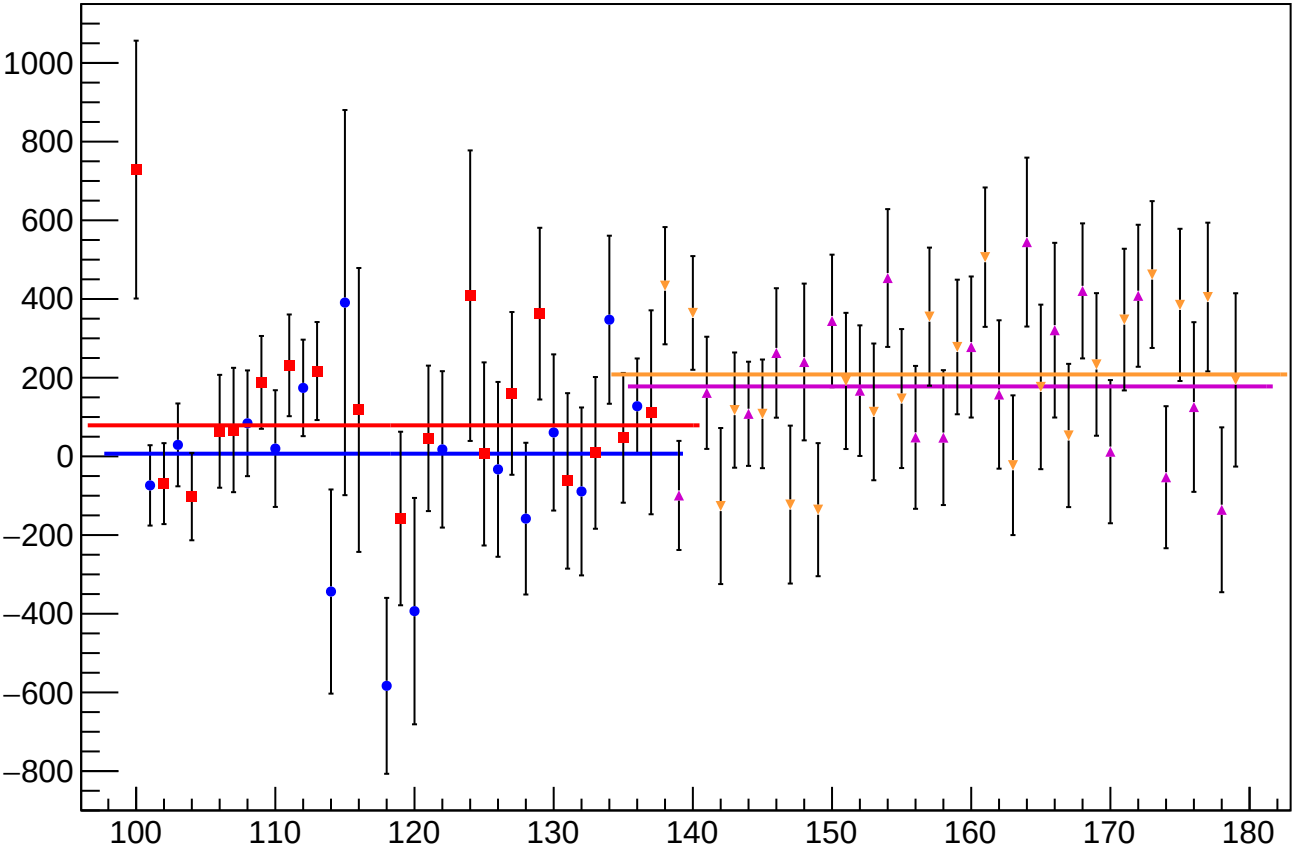
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4331181.3/35

Out: 0.000+/-0.000 χ^2/NDF:6314405.5/40

All: 0.000+/-0.000 χ^2/NDF: 10706839.1/76

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.255+/-37.156 χ^2/NDF:25.0/21

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 177.778+/-38.928 χ^2/NDF:21.2/19

Left: 193.726+/-26.878 χ^2/NDF: 46.6/41

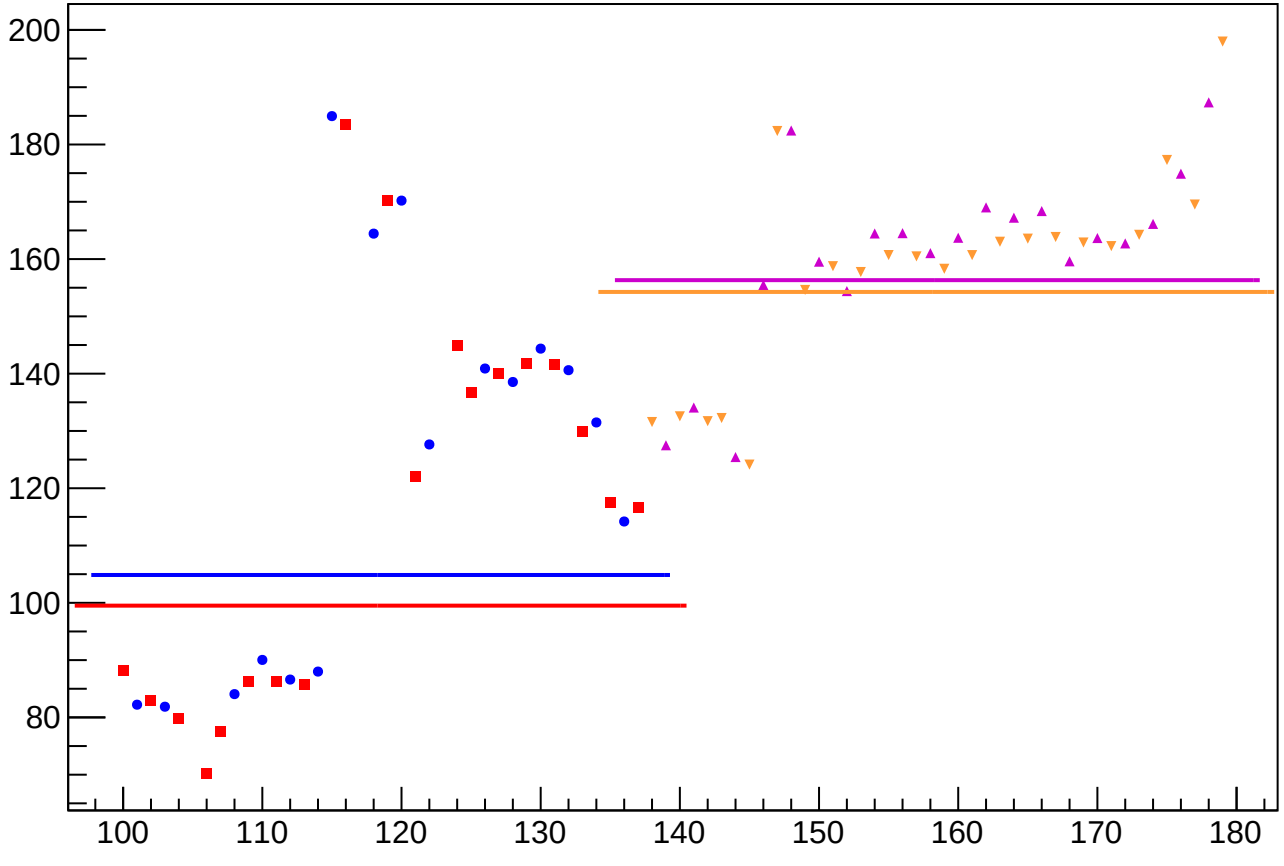
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 95.366+/-28.017 χ^2/NDF:49.3/35

Out: 144.861+/-26.534 χ^2/NDF:47.6/40

All: 121.457+/-19.265 χ^2/NDF: 98.6/76

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.2/19

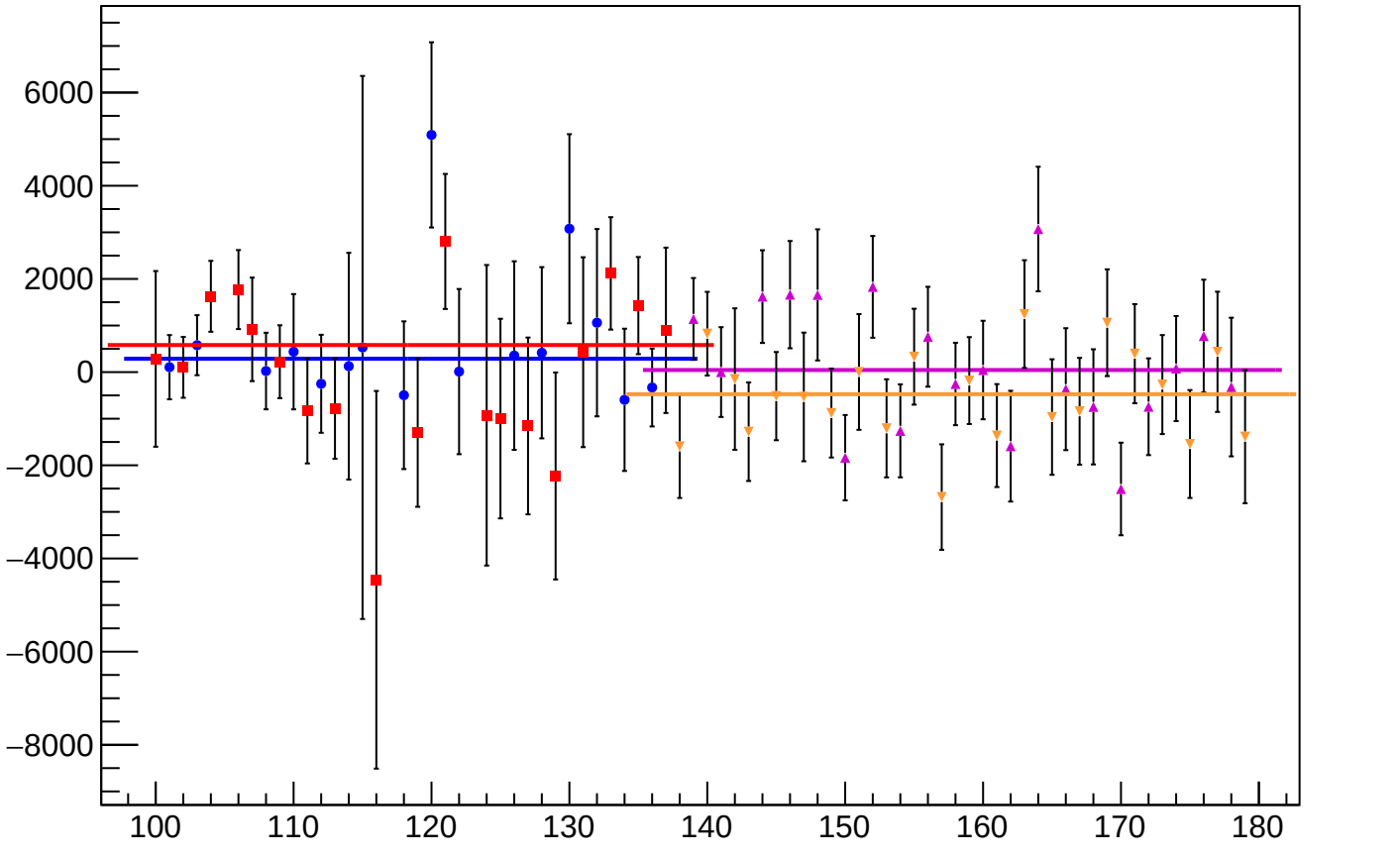
Left: 155.246+/-0.019 χ^2/NDF: 843643.6/41

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 131.516+/-0.020 χ^2/NDF:2999967.2/35

Out: 127.434+/-0.019 χ^2/NDF:3624383.3/40

All: 129.364+/-0.014 χ^2/NDF: 6646728.7/76



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -474.007+/-236.388 χ^2/NDF:16.4/21

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 45.160+/-241.877 χ^2/NDF:31.6/19

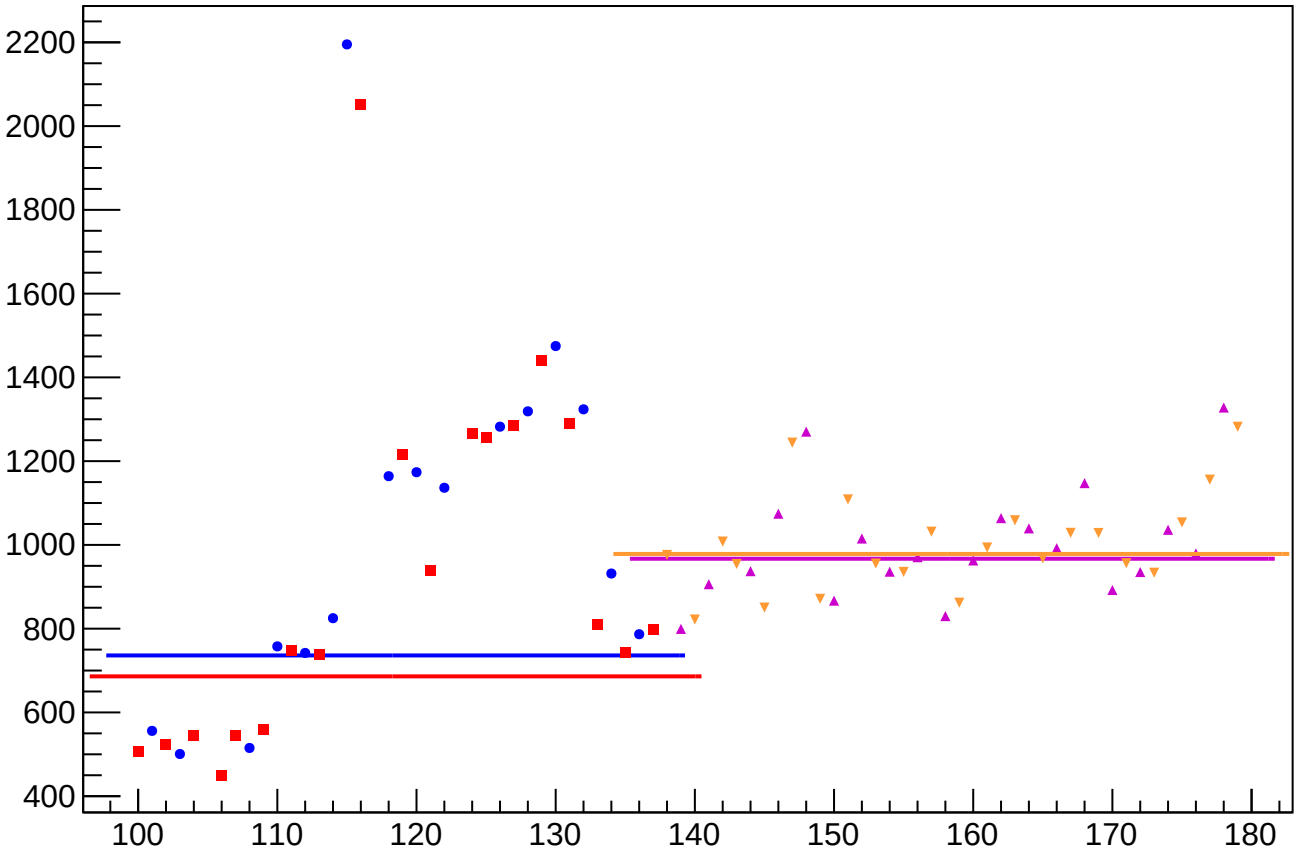
Left: -220.380+/-169.059 χ^2/NDF: 50.4/41

Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 142.952+/-186.652 χ^2/NDF:41.7/35

Out: -15.697+/-177.791 χ^2/NDF:43.9/40

All: 59.772+/-128.736 χ^2/NDF: 86.0/76



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419332.1/21

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 966.958+/-0.171 χ^2/NDF:472029.1/19

Left: 972.811+/-0.120 χ^2/NDF: 893651.1/41

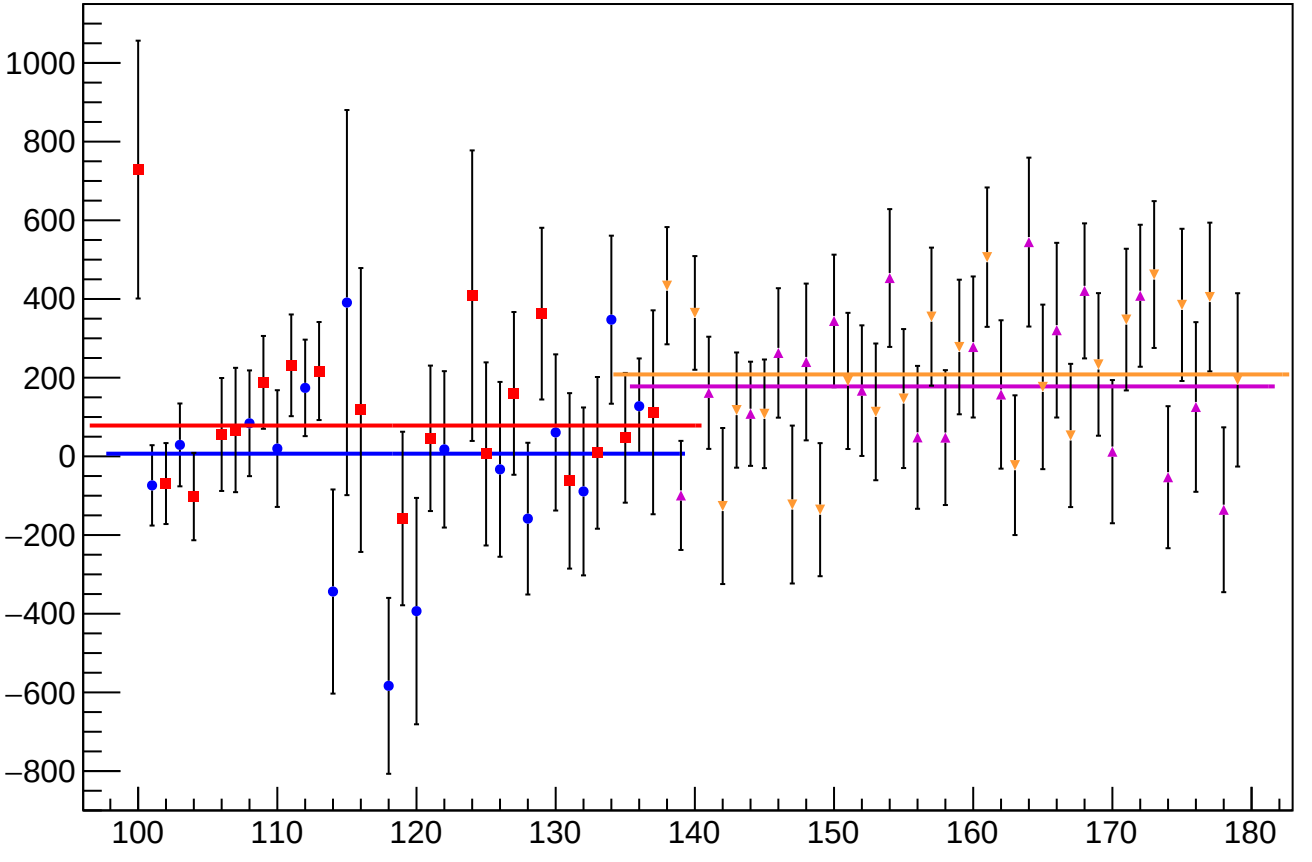
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 873.568+/-0.132 χ^2/NDF:3053611.5/35

Out: 851.452+/-0.126 χ^2/NDF:3566615.4/40

All: 861.972+/-0.091 χ^2/NDF: 6634948.9/76

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 177.782+/-38.928 χ^2/NDF:21.2/19

Left: 193.729+/-26.878 χ^2/NDF: 46.6/41

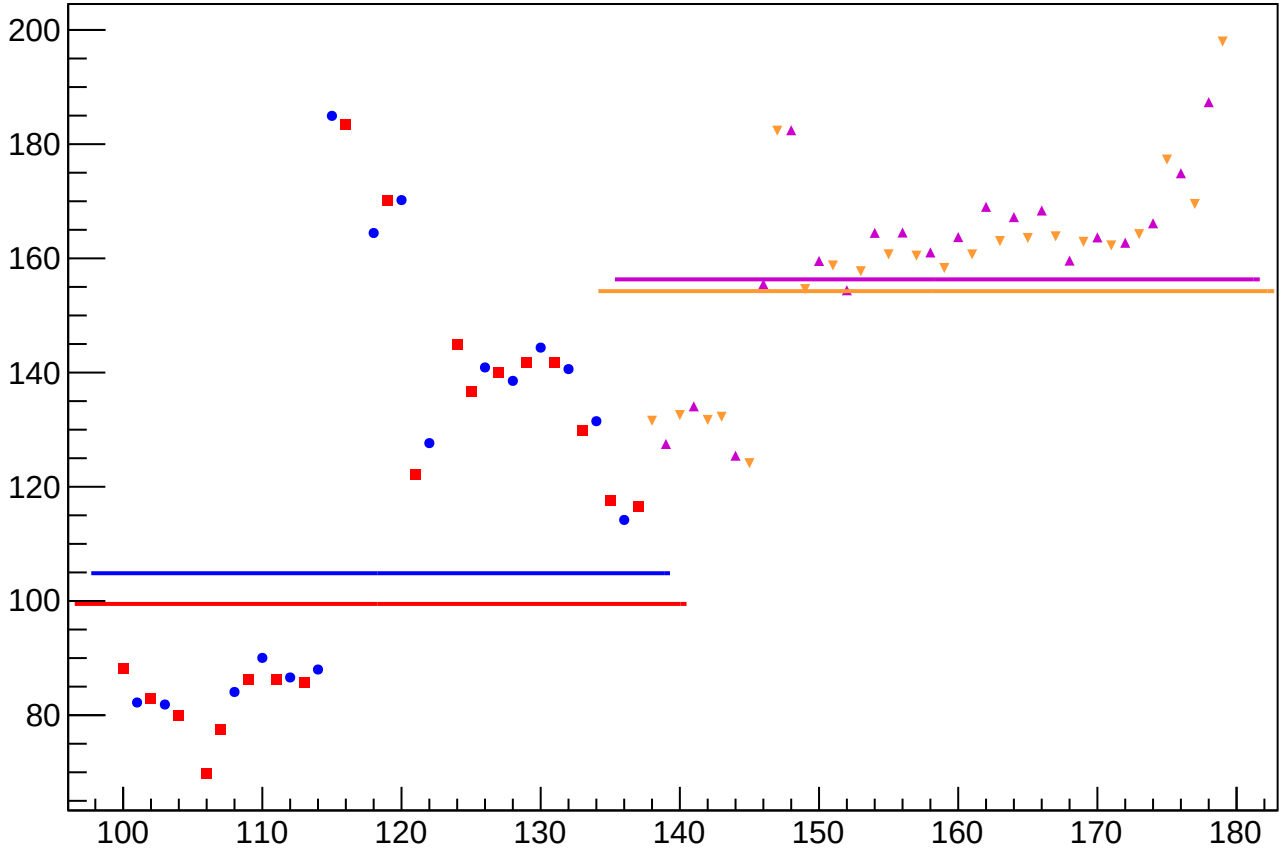
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 95.363+/-28.017 χ^2/NDF:49.3/35

Out: 144.604+/-26.535 χ^2/NDF:47.7/40

All: 121.319+/-19.266 χ^2/NDF: 98.7/76

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.3/19

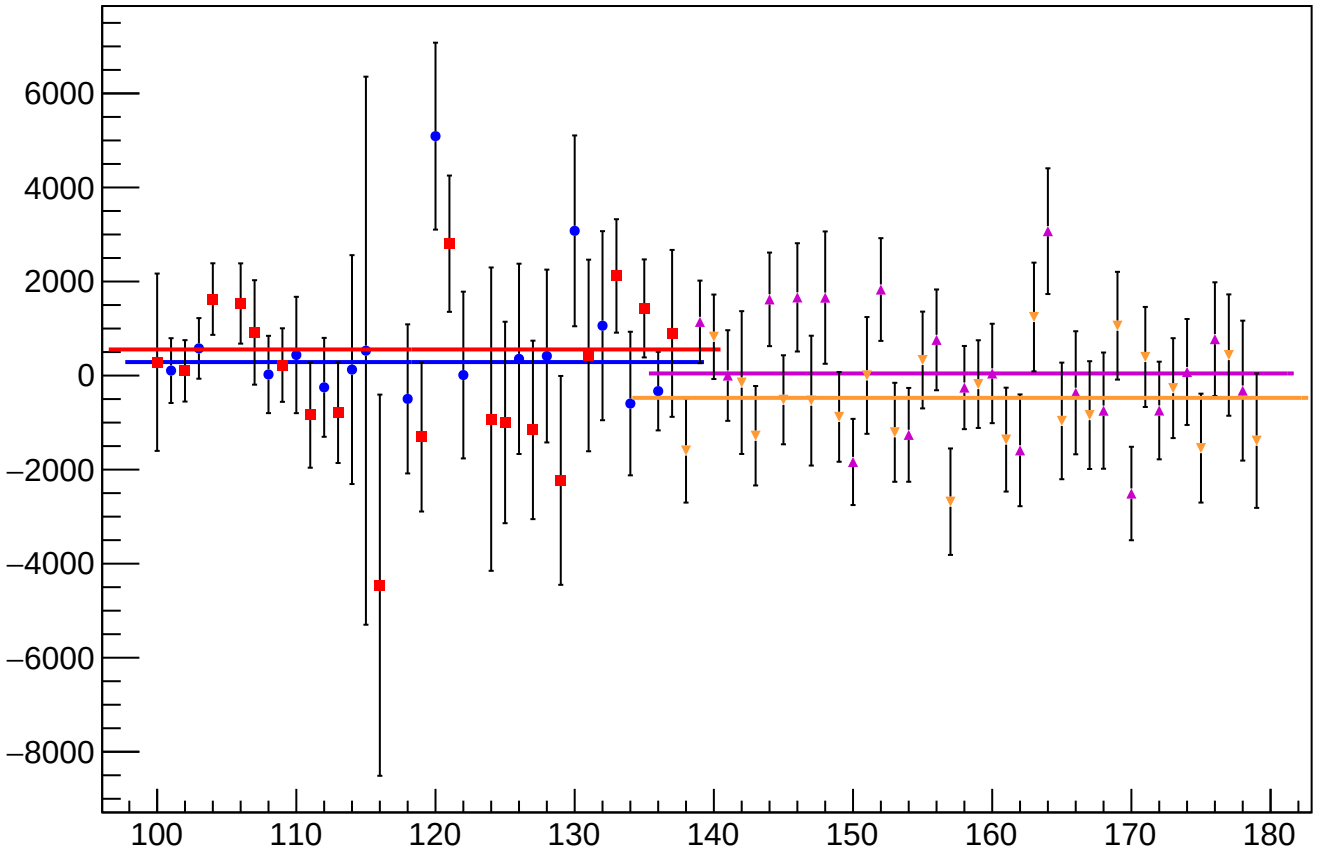
Left: 155.246+/-0.019 χ^2/NDF: 843643.6/41

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 131.516+/-0.020 χ^2/NDF:2999965.3/35

Out: 127.424+/-0.019 χ^2/NDF:3628273.9/40

All: 129.359+/-0.014 χ^2/NDF: 6650724.1/76



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 45.161+/-241.877 χ^2/NDF:31.6/19

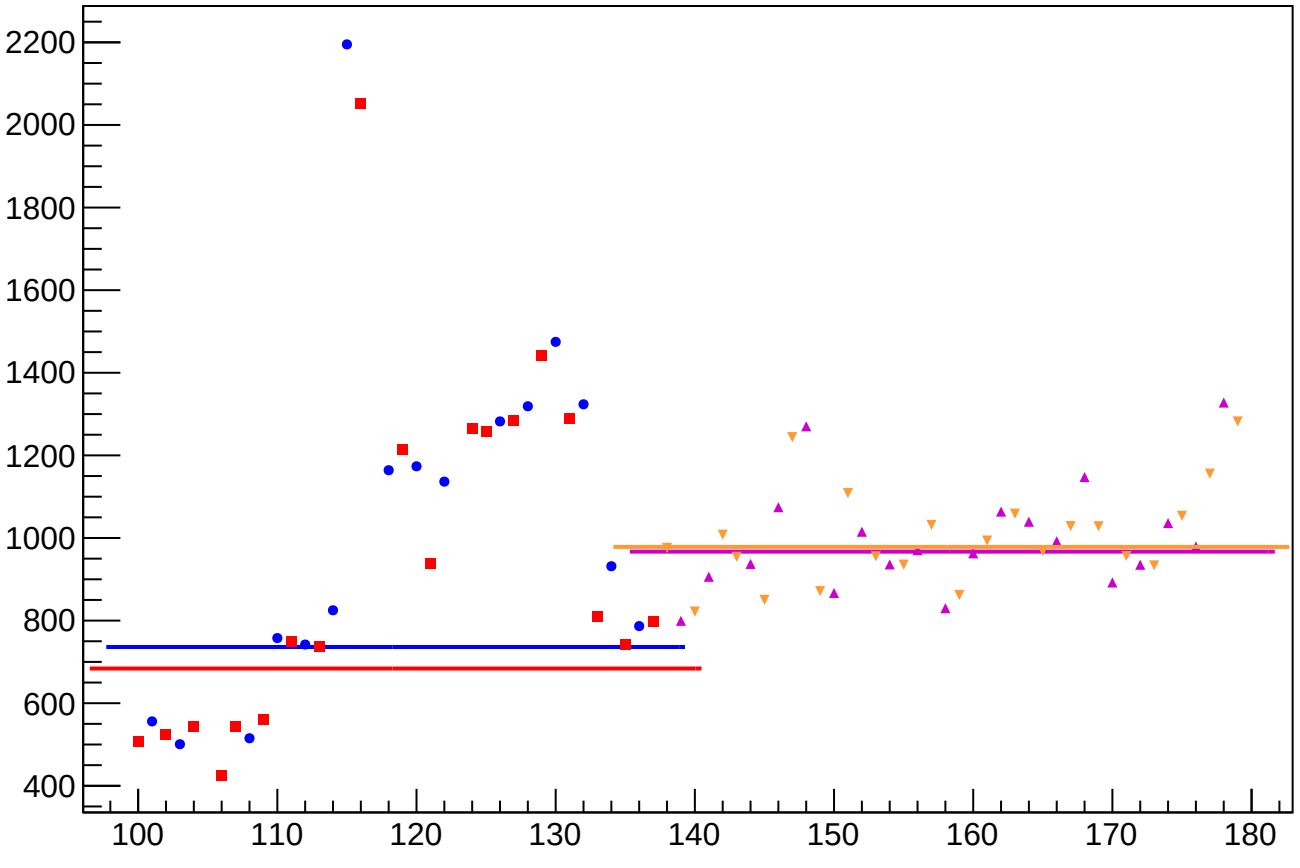
Left: -220.377+/-169.059 χ^2/NDF: 50.4/41

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 142.954+/-186.652 χ^2/NDF:41.7/35

Out: -27.226+/-177.842 χ^2/NDF:42.7/40

All: 53.753+/-128.755 χ^2/NDF: 84.9/76



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419330.7/21

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 966.958+/-0.171 χ^2/NDF:472032.2/19

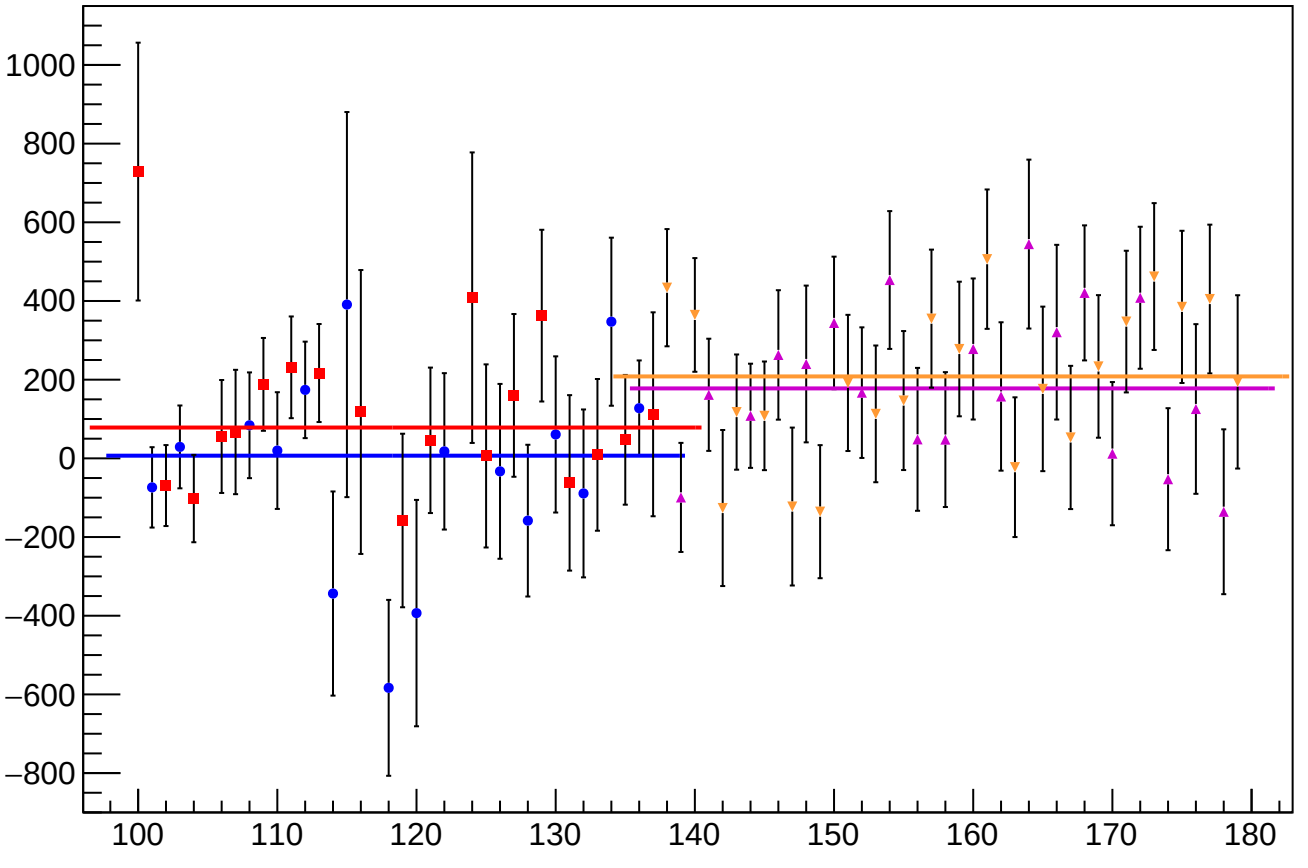
Left: 972.811+/-0.120 χ^2/NDF: 893653.1/41

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 873.567+/-0.132 χ^2/NDF:3053620.5/35

Out: 850.623+/-0.126 χ^2/NDF:3616241.2/40

All: 861.541+/-0.091 χ^2/NDF: 6685702.3/76



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.256+/-37.156 χ^2/NDF:25.0/21

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 177.782+/-38.928 χ^2/NDF:21.2/19

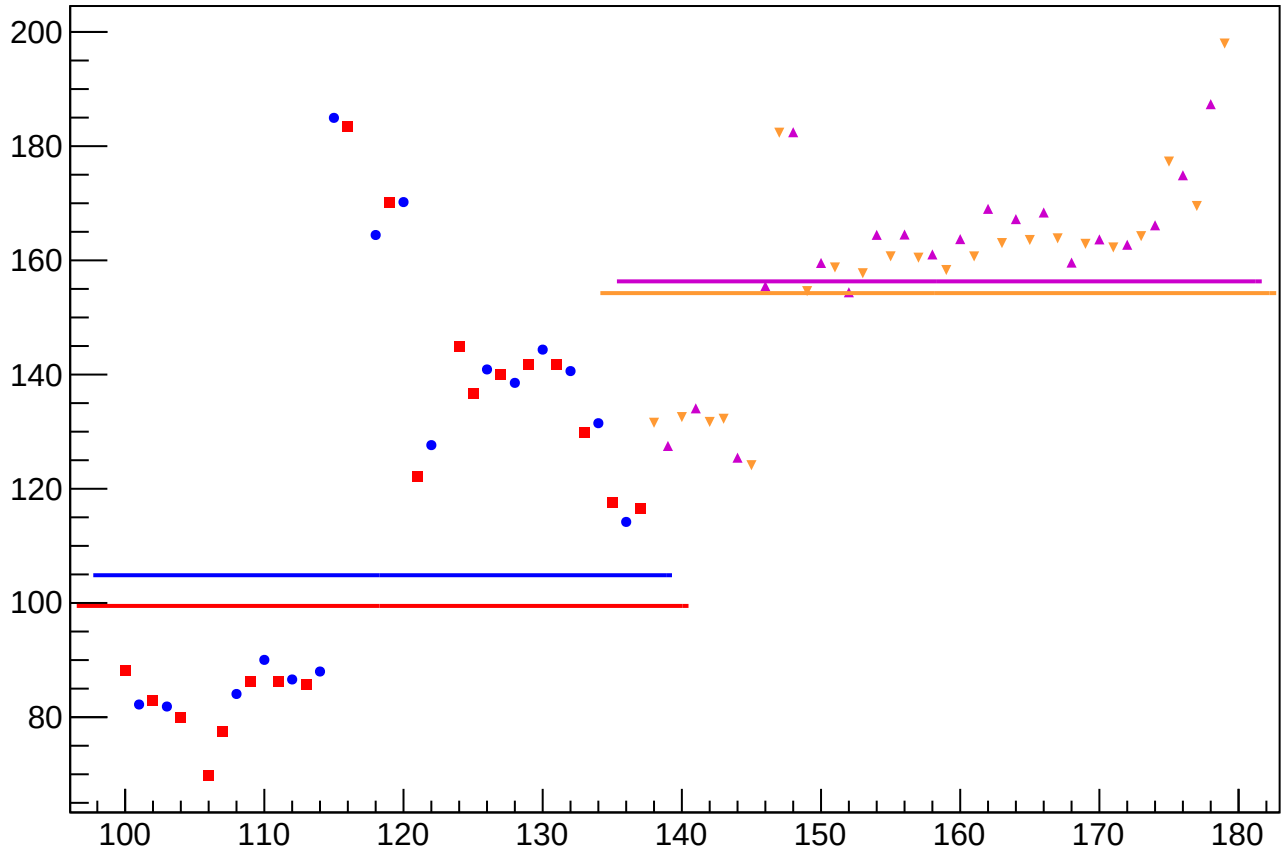
Left: 193.729+/-26.878 χ^2/NDF: 46.6/41

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 95.363+/-28.017 χ^2/NDF:49.3/35

Out: 144.604+/-26.535 χ^2/NDF:47.7/40

All: 121.319+/-19.266 χ^2/NDF: 98.7/76



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 154.266+/-0.026 χ^2/NDF:456830.6/21

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 156.322+/-0.028 χ^2/NDF:383893.3/19

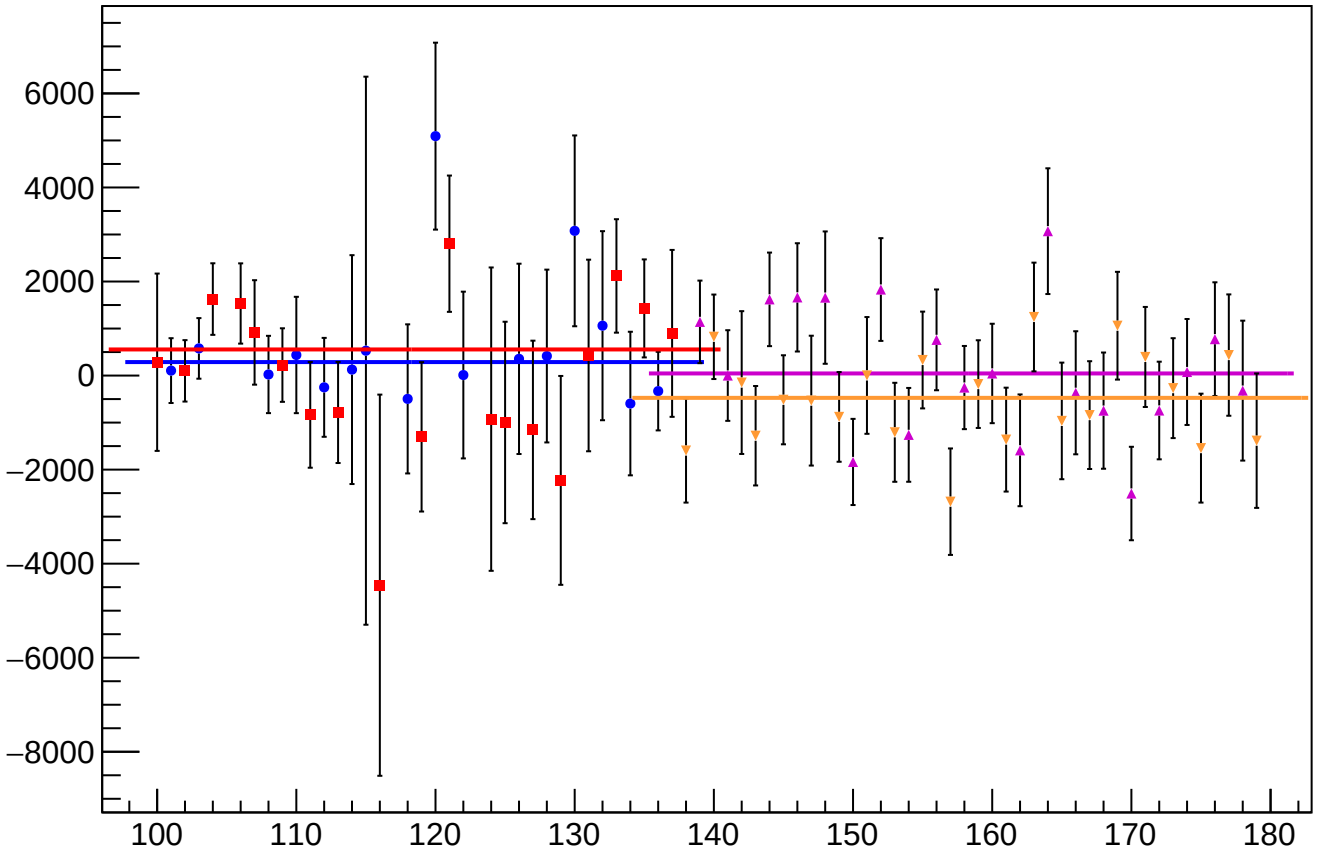
Left: 155.246+/-0.019 χ^2/NDF: 843643.6/41

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 131.516+/-0.020 χ^2/NDF:2999965.3/35

Out: 127.424+/-0.019 χ^2/NDF:3628273.9/40

All: 129.359+/-0.014 χ^2/NDF: 6650724.1/76



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -474.002+/-236.388 χ^2/NDF:16.4/21

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 45.161+/-241.877 χ^2/NDF:31.6/19

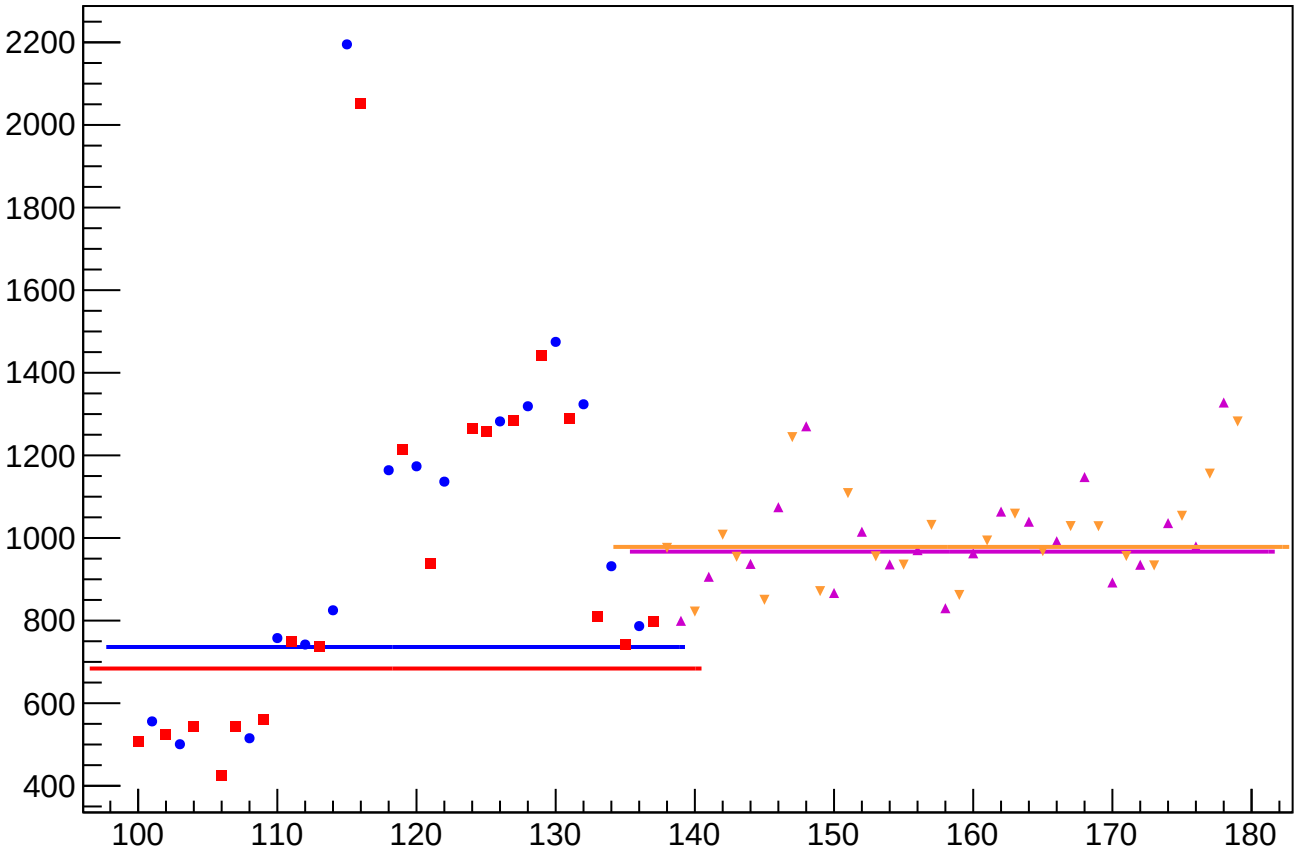
Left: -220.377+/-169.059 χ^2/NDF: 50.4/41

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 142.954+/-186.652 χ^2/NDF:41.7/35

Out: -27.226+/-177.842 χ^2/NDF:42.7/40

All: 53.753+/-128.755 χ^2/NDF: 84.9/76



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 978.402+/-0.167 χ^2/NDF:419330.7/21

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 966.958+/-0.171 χ^2/NDF:472032.2/19

Left: 972.811+/-0.120 χ^2/NDF: 893653.1/41

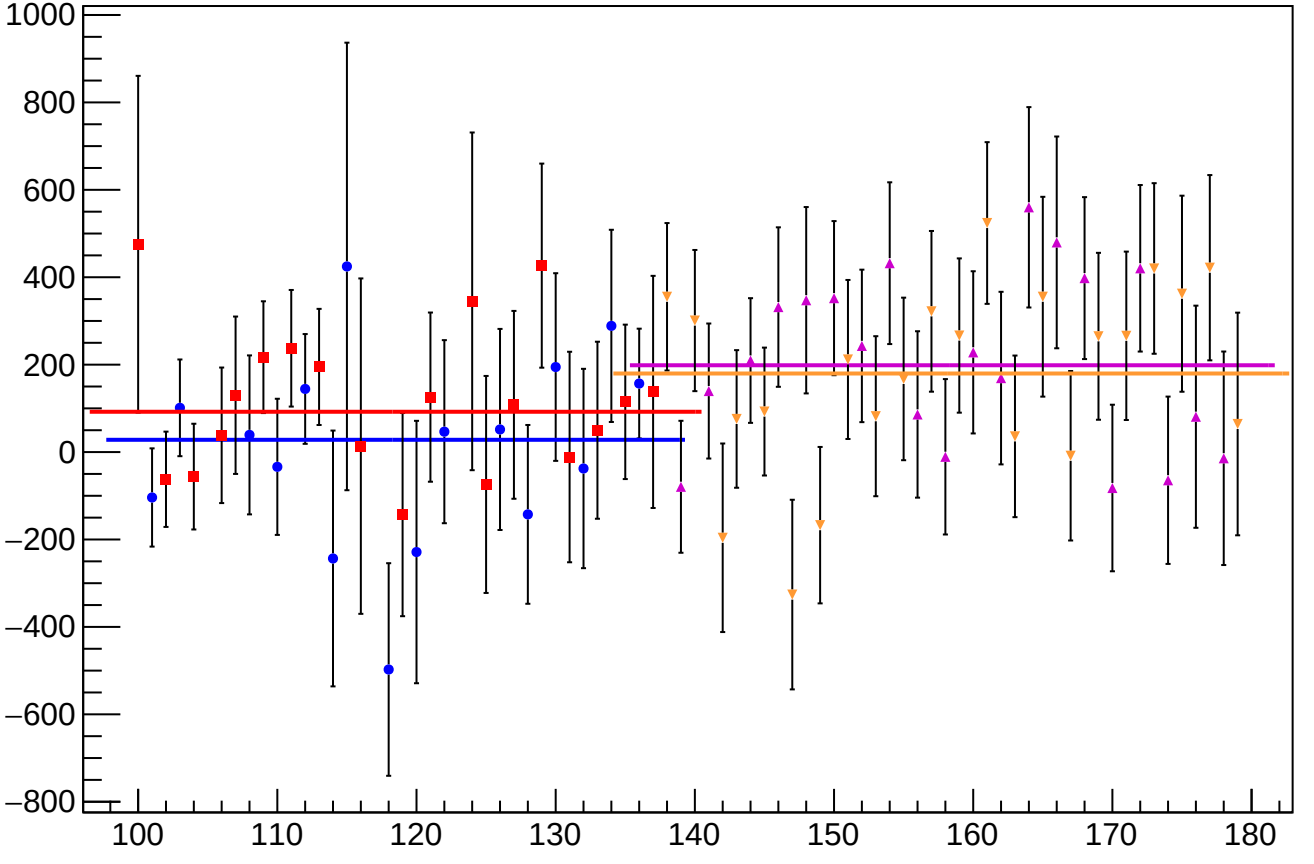
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 873.567+/-0.132 χ^2/NDF:3053620.5/35

Out: 850.623+/-0.126 χ^2/NDF:3616241.2/40

All: 861.541+/-0.091 χ^2/NDF: 6685702.3/76

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.764+/-39.915 χ^2/NDF:25.5/21

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 198.630+/-41.701 χ^2/NDF:20.1/19

Left: 188.784+/-28.835 χ^2/NDF: 45.8/41

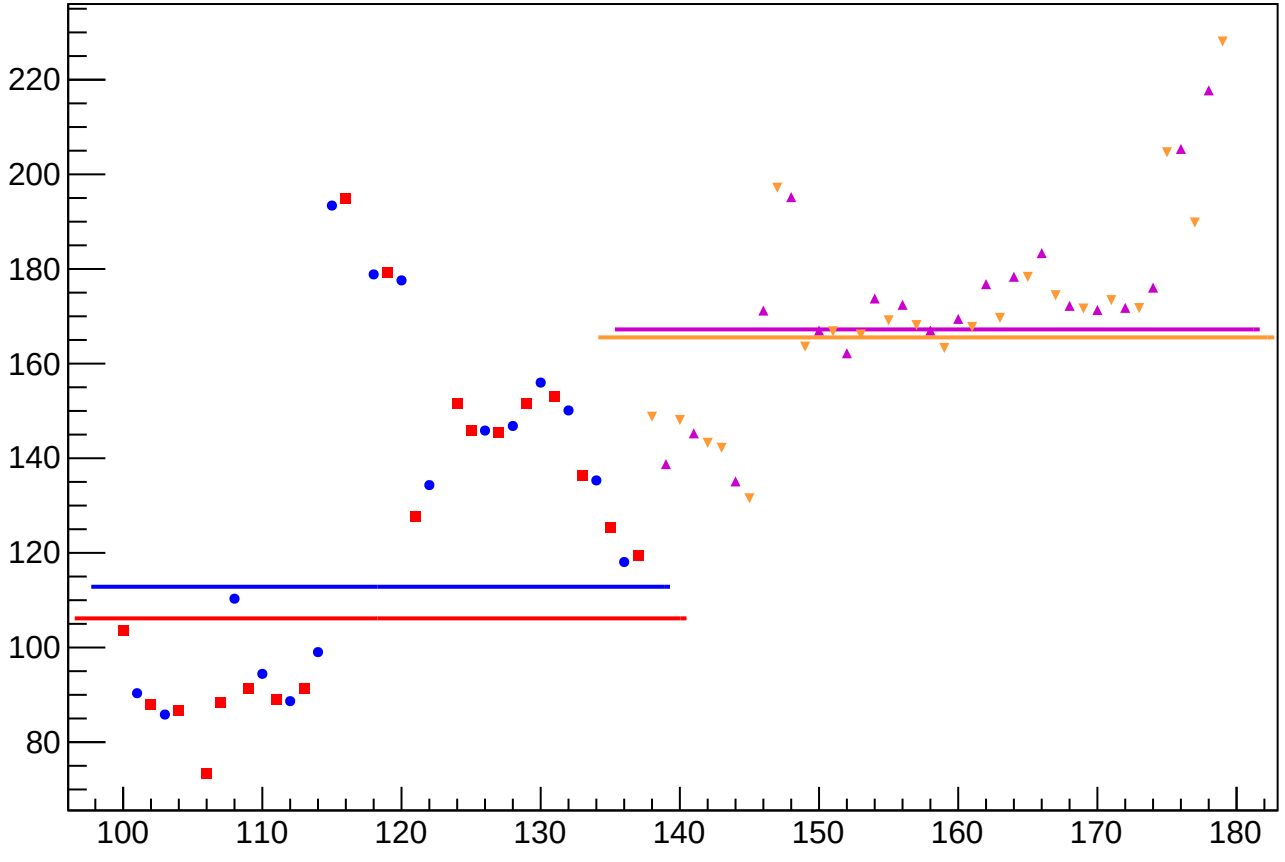
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 116.841+/-30.083 χ^2/NDF:41.7/35

Out: 136.684+/-28.442 χ^2/NDF:39.6/40

All: 127.318+/-20.667 χ^2/NDF: 81.5/76

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 165.542+/-0.028 χ^2/NDF:487735.7/21

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 167.230+/-0.029 χ^2/NDF:410996.9/19

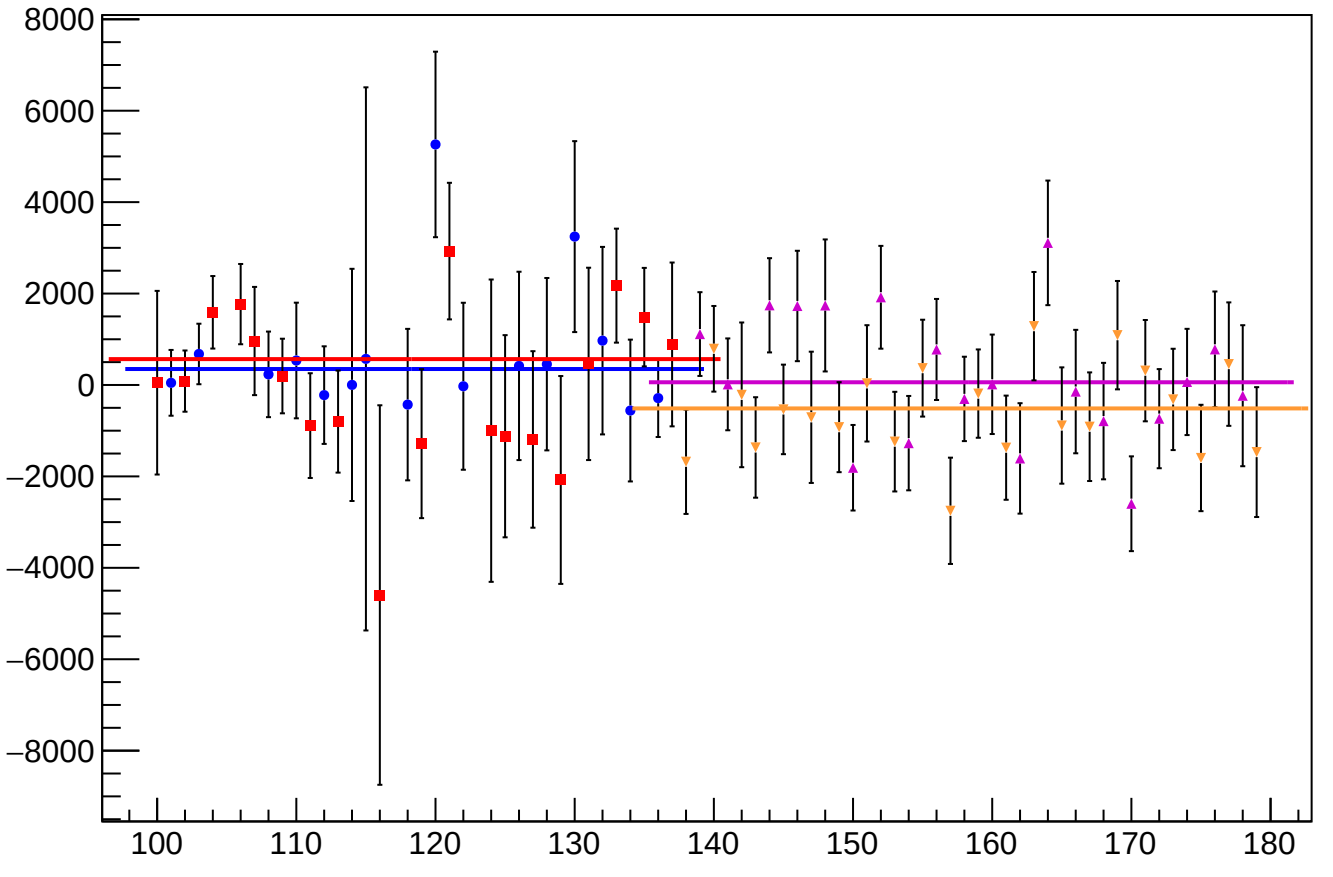
Left: 166.349+/-0.020 χ^2/NDF: 900443.1/41

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 141.146+/-0.021 χ^2/NDF:2914779.0/35

Out: 136.310+/-0.020 χ^2/NDF:3668898.9/40

All: 138.593+/-0.015 χ^2/NDF: 6610960.9/76



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.938+/-244.078 χ^2/NDF:16.3/21

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 59.341+/-250.396 χ^2/NDF:31.1/19

Left: -234.109+/-174.780 χ^2/NDF: 50.0/41

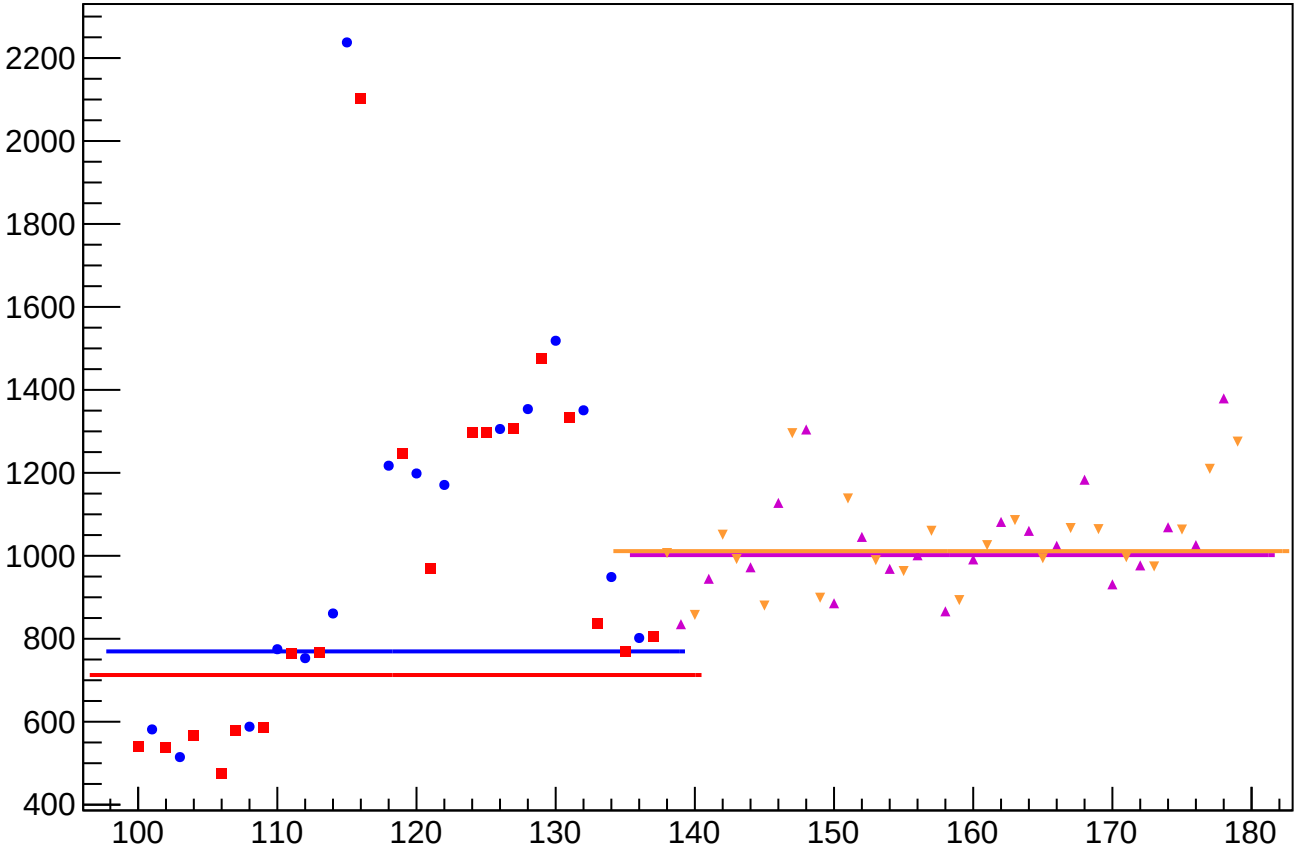
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 175.860+/-193.615 χ^2/NDF:41.4/35

Out: -45.586+/-183.765 χ^2/NDF:43.0/40

All: 59.362+/-133.288 χ^2/NDF: 85.2/76

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1011.286+/-0.173 χ^2/NDF:390293.2/21

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 1001.699+/-0.177 χ^2/NDF:454343.0/19

Left: 1006.615+/-0.124 χ^2/NDF: 846139.7/41

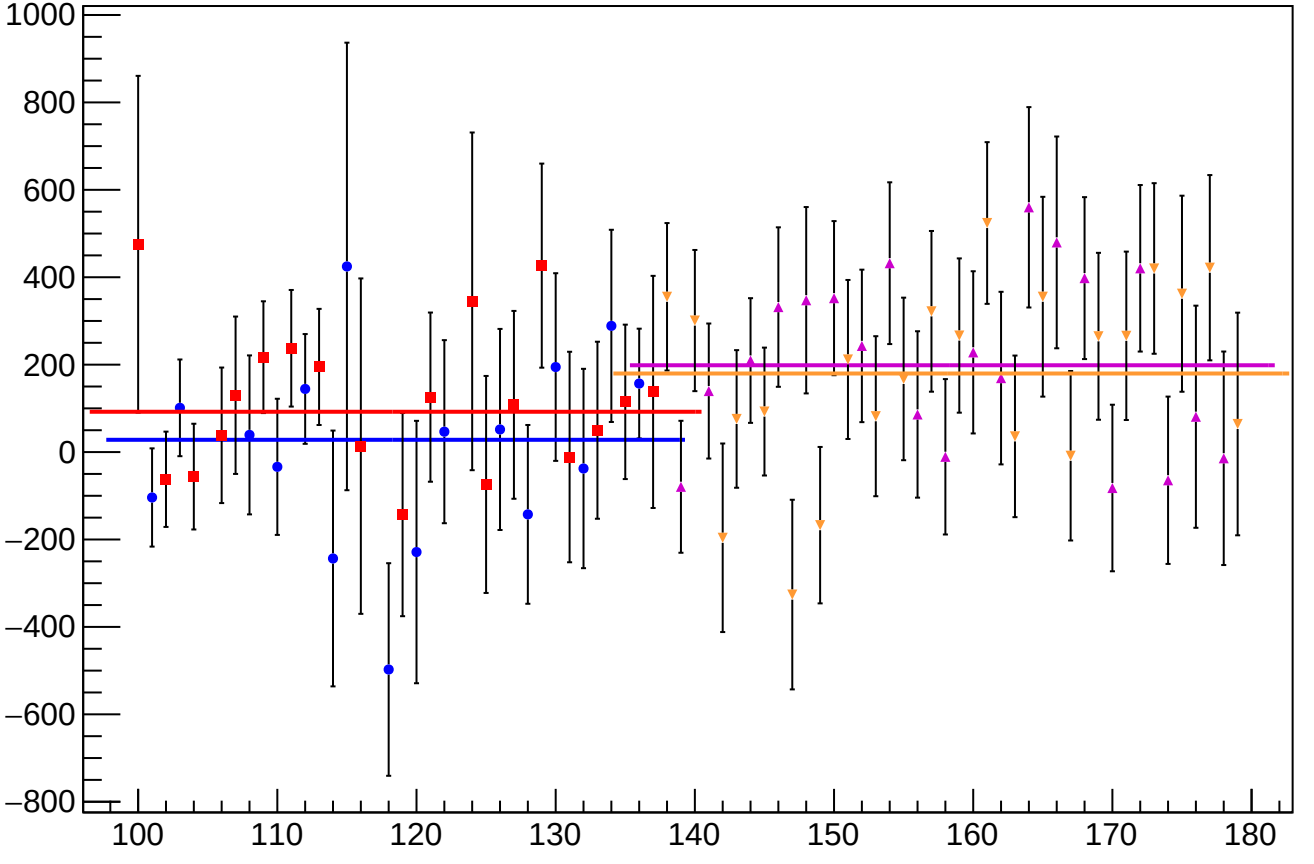
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 908.353+/-0.137 χ^2/NDF:2885514.5/35

Out: 881.923+/-0.130 χ^2/NDF:3454573.5/40

All: 894.449+/-0.094 χ^2/NDF: 6359694.6/76

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 179.765+/-39.915 χ^2/NDF:25.5/21

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 198.630+/-41.701 χ^2/NDF:20.1/19

Left: 188.785+/-28.835 χ^2/NDF: 45.8/41

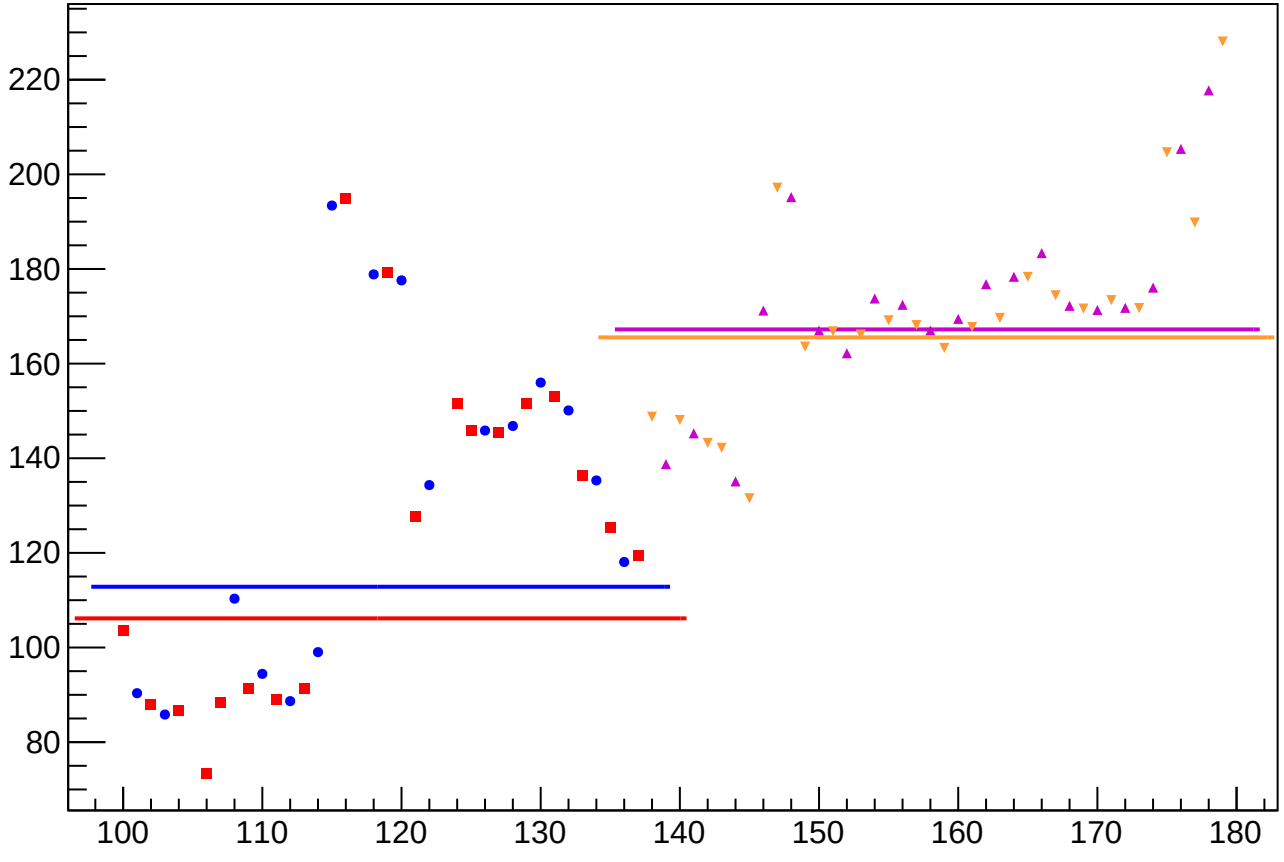
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 116.840+/-30.083 χ^2/NDF:41.7/35

Out: 136.684+/-28.442 χ^2/NDF:39.6/40

All: 127.318+/-20.667 χ^2/NDF: 81.5/76

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 165.542+/-0.028 χ^2/NDF:487728.7/21

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 167.230+/-0.029 χ^2/NDF:410985.1/19

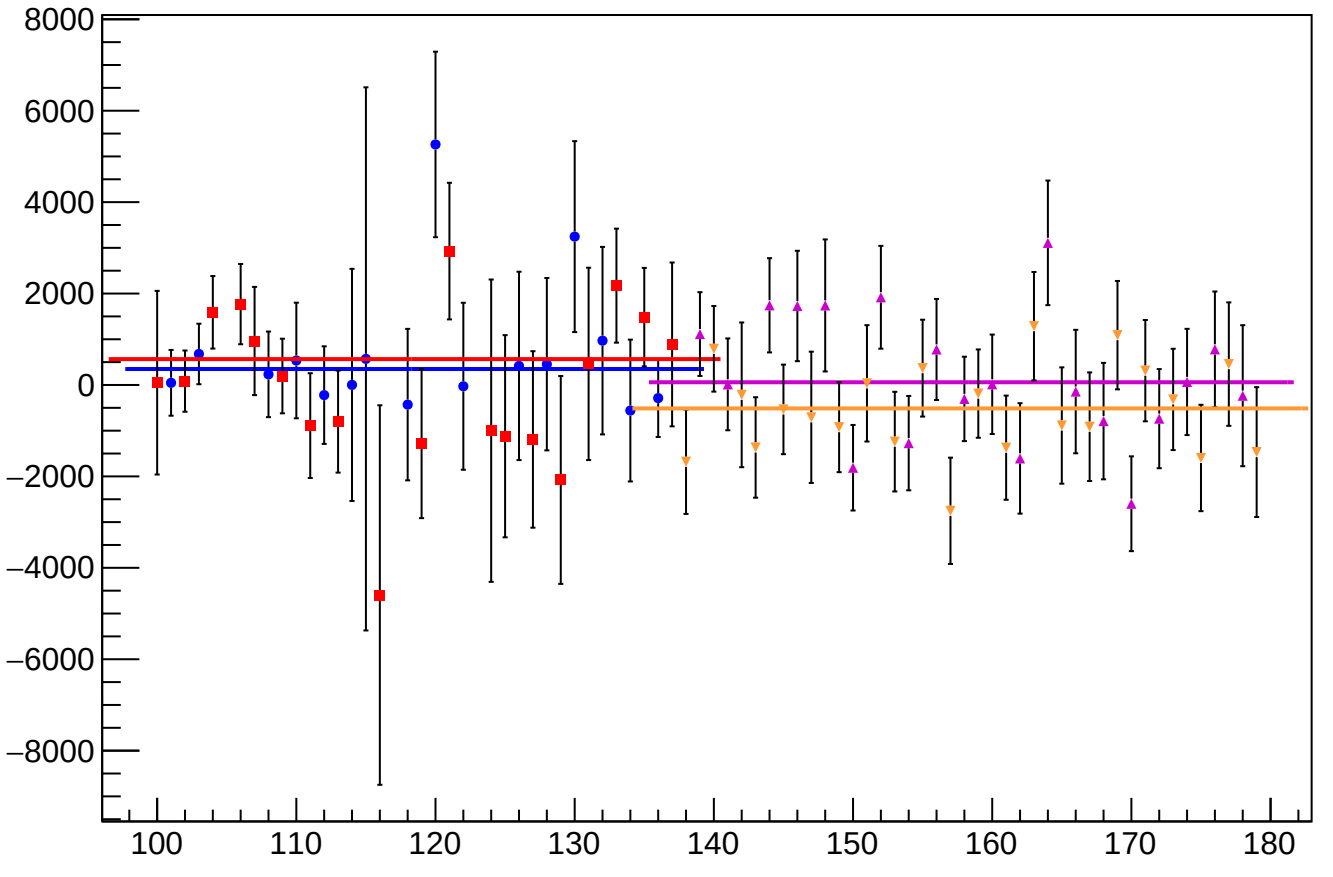
Left: 166.349+/-0.020 χ^2/NDF: 900424.5/41

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 141.145+/-0.021 χ^2/NDF:2914797.1/35

Out: 136.310+/-0.020 χ^2/NDF:3668908.7/40

All: 138.592+/-0.015 χ^2/NDF: 6610988.9/76



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -512.937+/-244.078 χ^2/NDF:16.3/21

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 59.341+/-250.396 χ^2/NDF:31.1/19

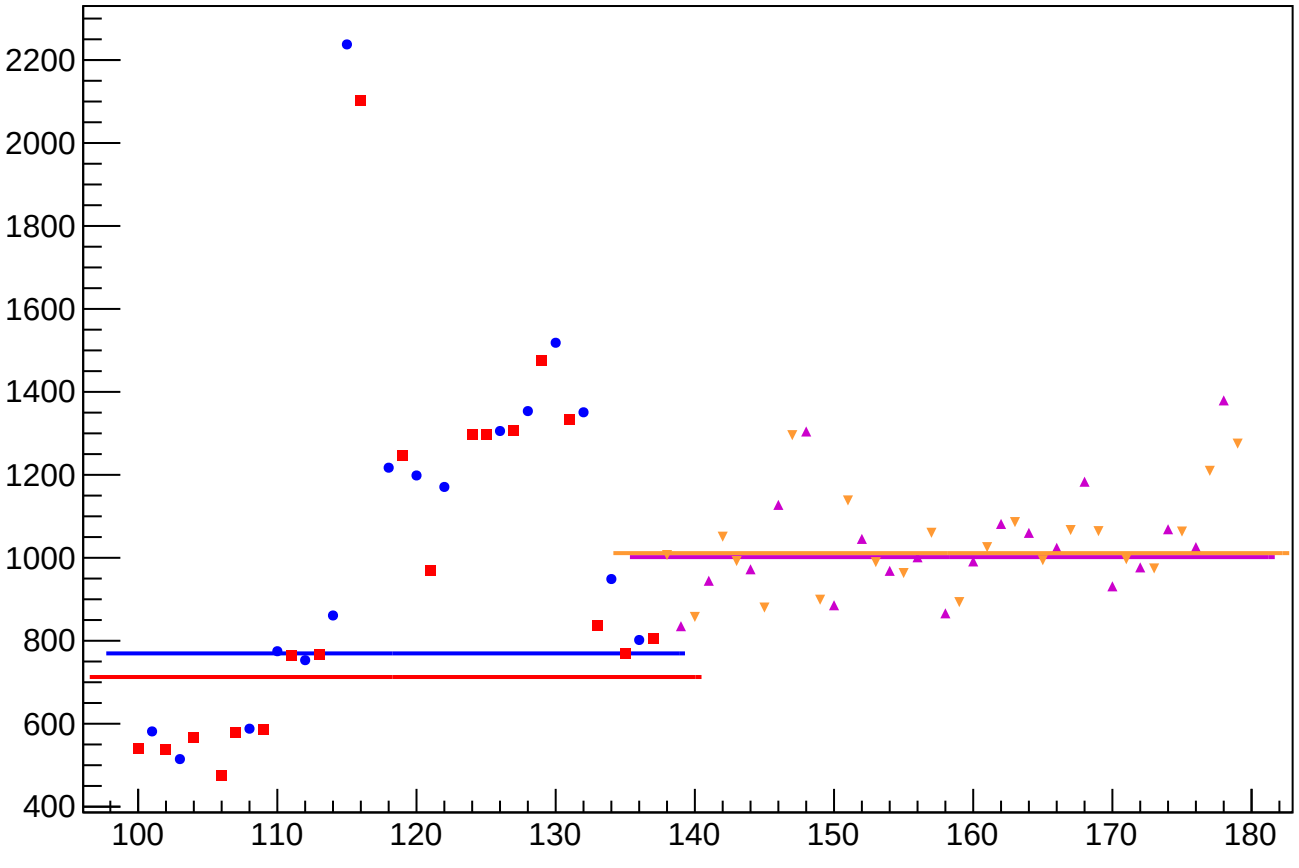
Left: -234.109+/-174.780 χ^2/NDF: 50.0/41

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 175.861+/-193.615 χ^2/NDF:41.4/35

Out: -45.584+/-183.765 χ^2/NDF:43.0/40

All: 59.363+/-133.288 χ^2/NDF: 85.2/76



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1011.288+/-0.173 χ^2/NDF:390292.3/21

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 1001.700+/-0.177 χ^2/NDF:454342.3/19

Left: 1006.616+/-0.124 χ^2/NDF: 846138.1/41

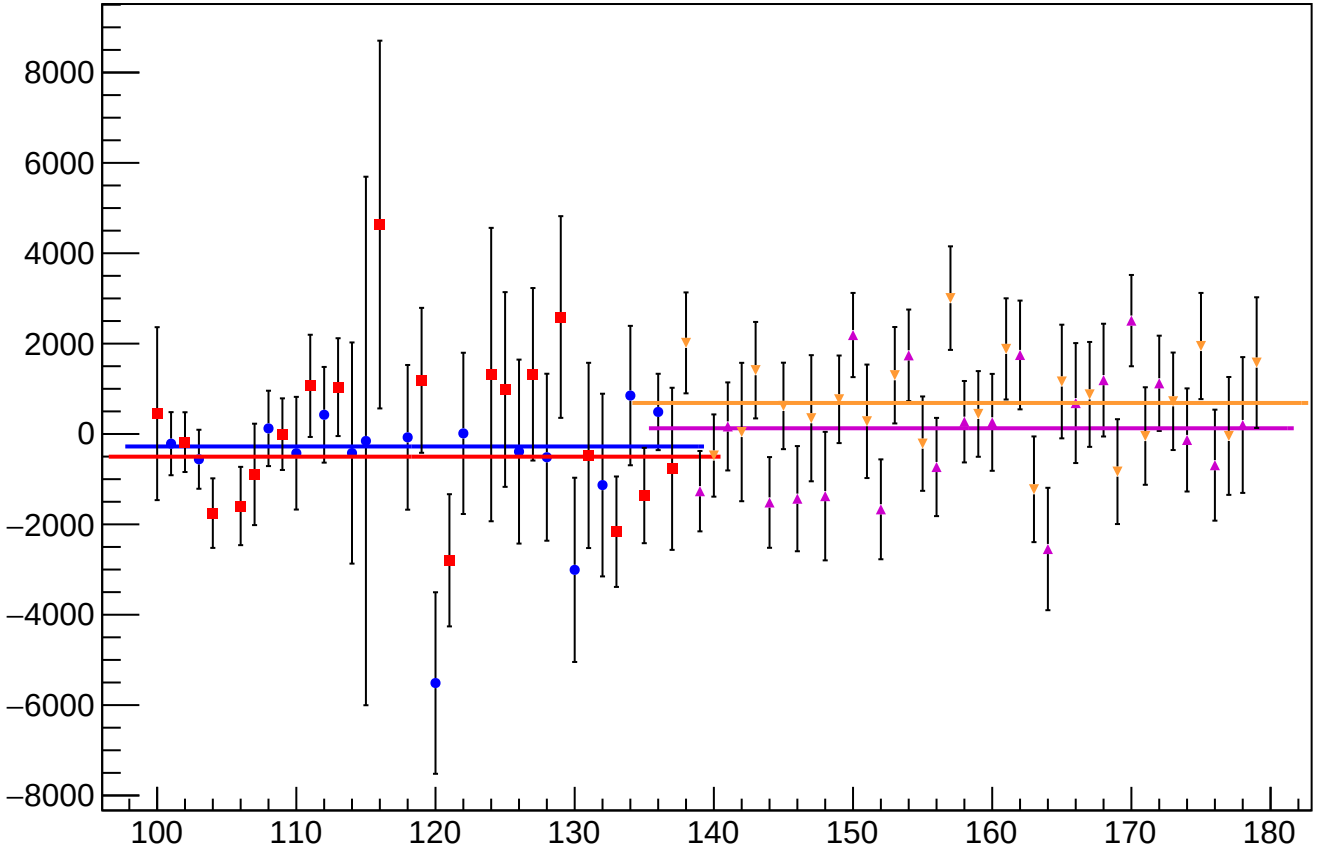
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 908.353+/-0.137 χ^2/NDF:2885526.3/35

Out: 881.923+/-0.130 χ^2/NDF:3454588.4/40

All: 894.449+/-0.094 χ^2/NDF: 6359721.5/76

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 686.799+/-239.454 χ^2/NDF:17.1/21

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 126.493+/-245.190 χ^2/NDF:32.3/19

Left: 413.277+/-171.312 χ^2/NDF: 52.1/41

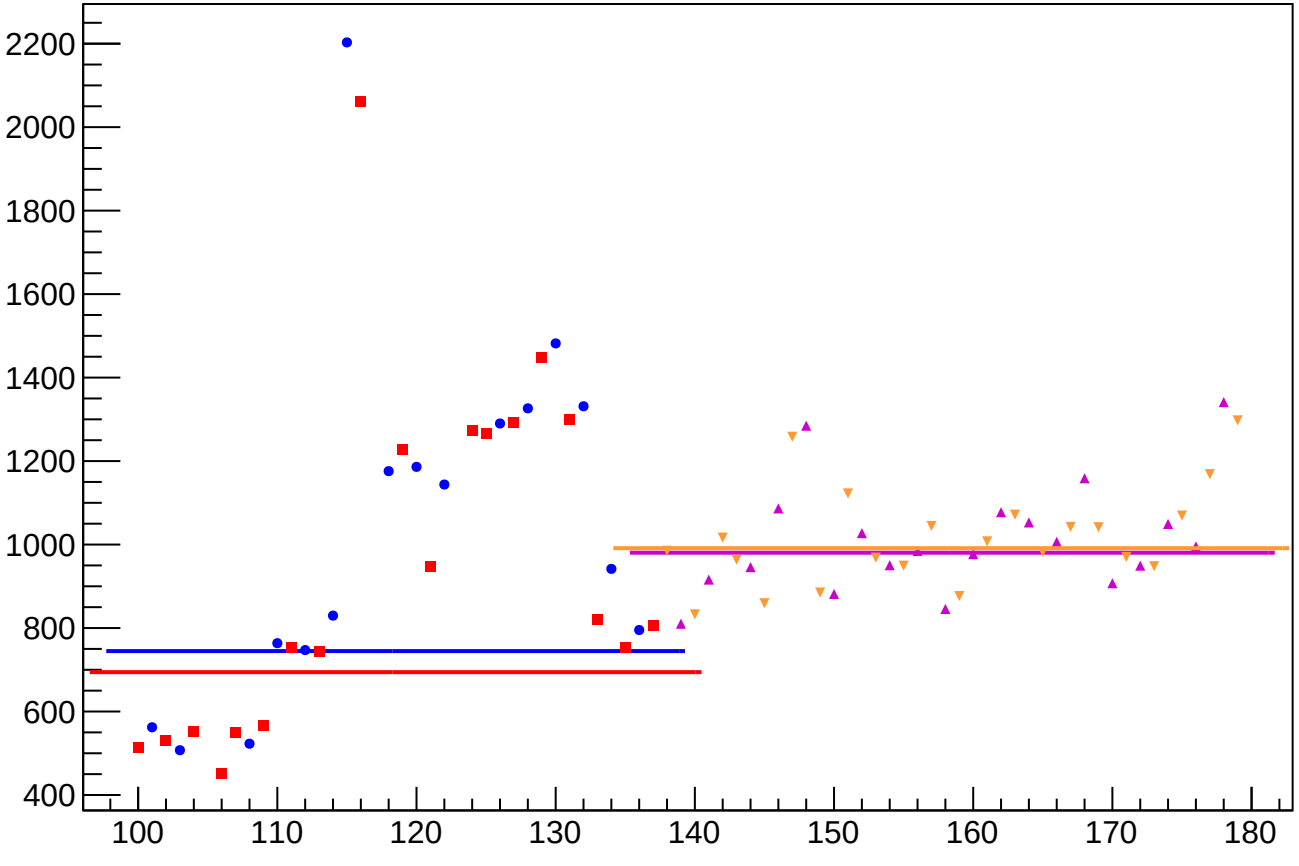
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -36.912+/-189.006 χ^2/NDF:44.5/35

Out: 169.875+/-180.015 χ^2/NDF:48.3/40

All: 71.517+/-130.353 χ^2/NDF: 93.4/76

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 991.333+/-0.169 χ^2/NDF:414296.3/21

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 980.507+/-0.173 χ^2/NDF:460604.8/19

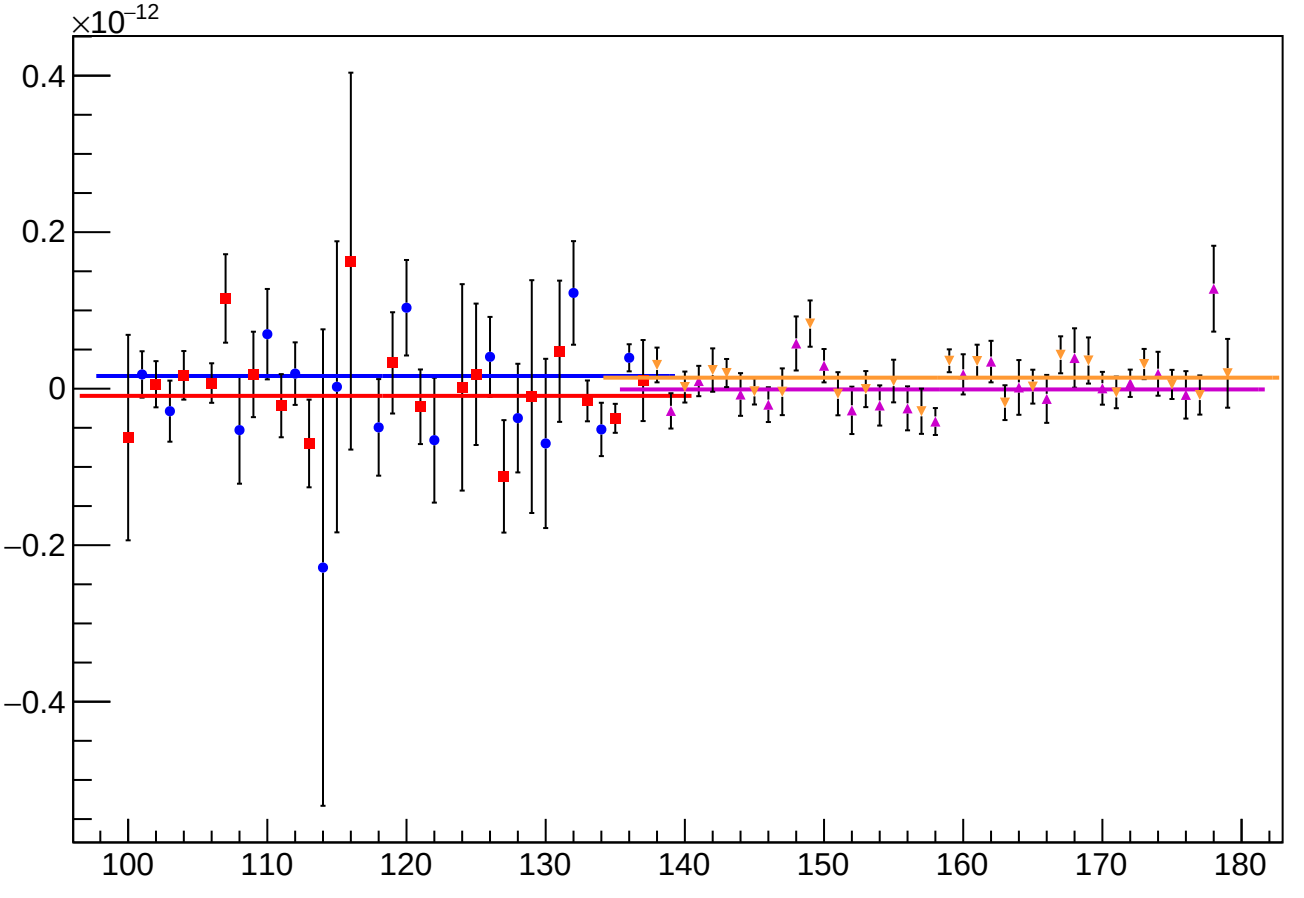
Left: 986.048+/-0.121 χ^2/NDF: 876896.6/41

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 884.854+/-0.134 χ^2/NDF:3033269.3/35

Out: 862.194+/-0.127 χ^2/NDF:3555795.7/40

All: 872.972+/-0.092 χ^2/NDF: 6604139.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/19

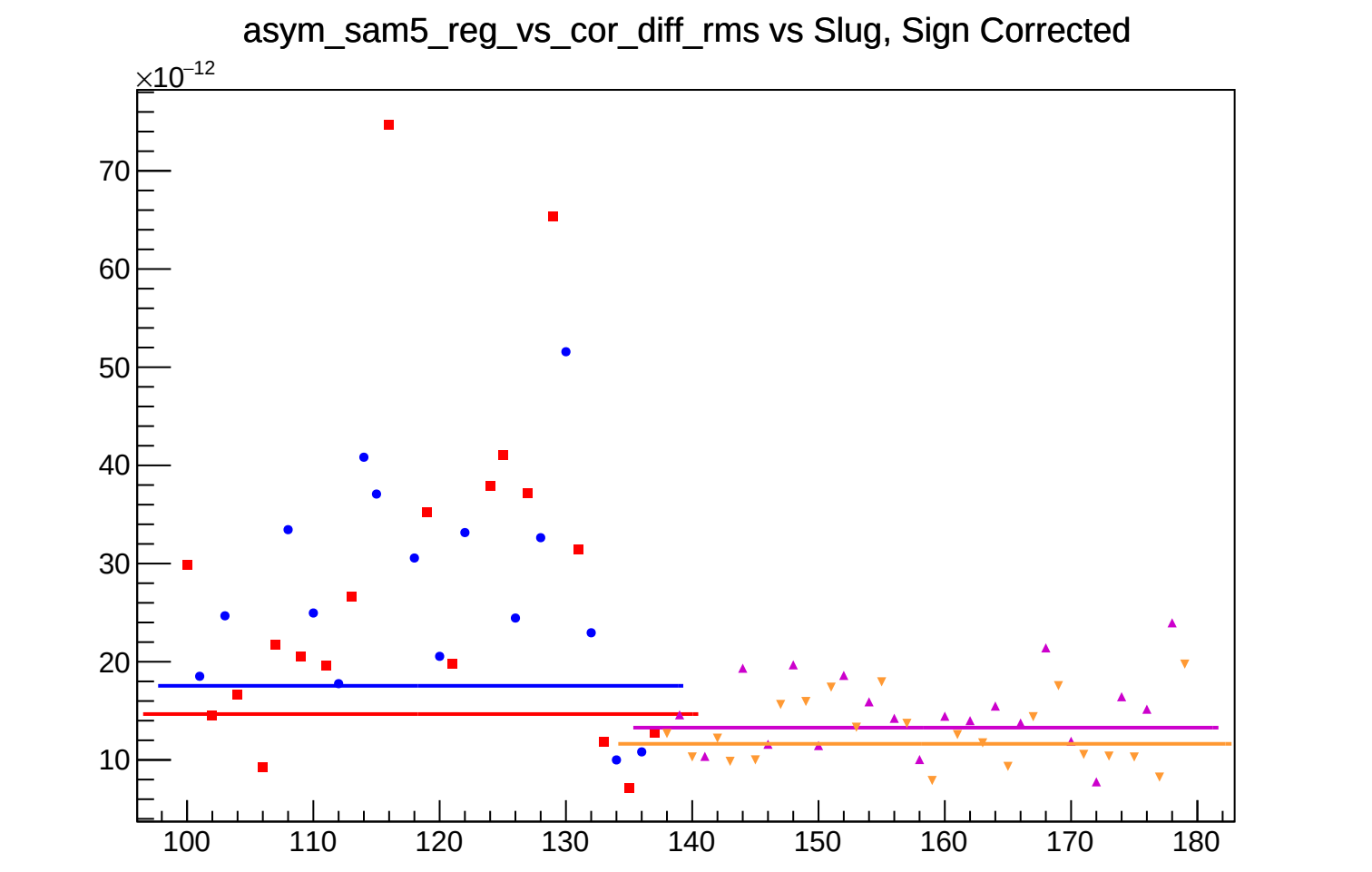
Left: 0.000+/-0.000 χ^2/NDF: 51.0/41

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:45.3/35

Out: 0.000+/-0.000 χ^2/NDF:40.6/40

All: 0.000+/-0.000 χ^2/NDF: 86.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:742498.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:824506.3/19

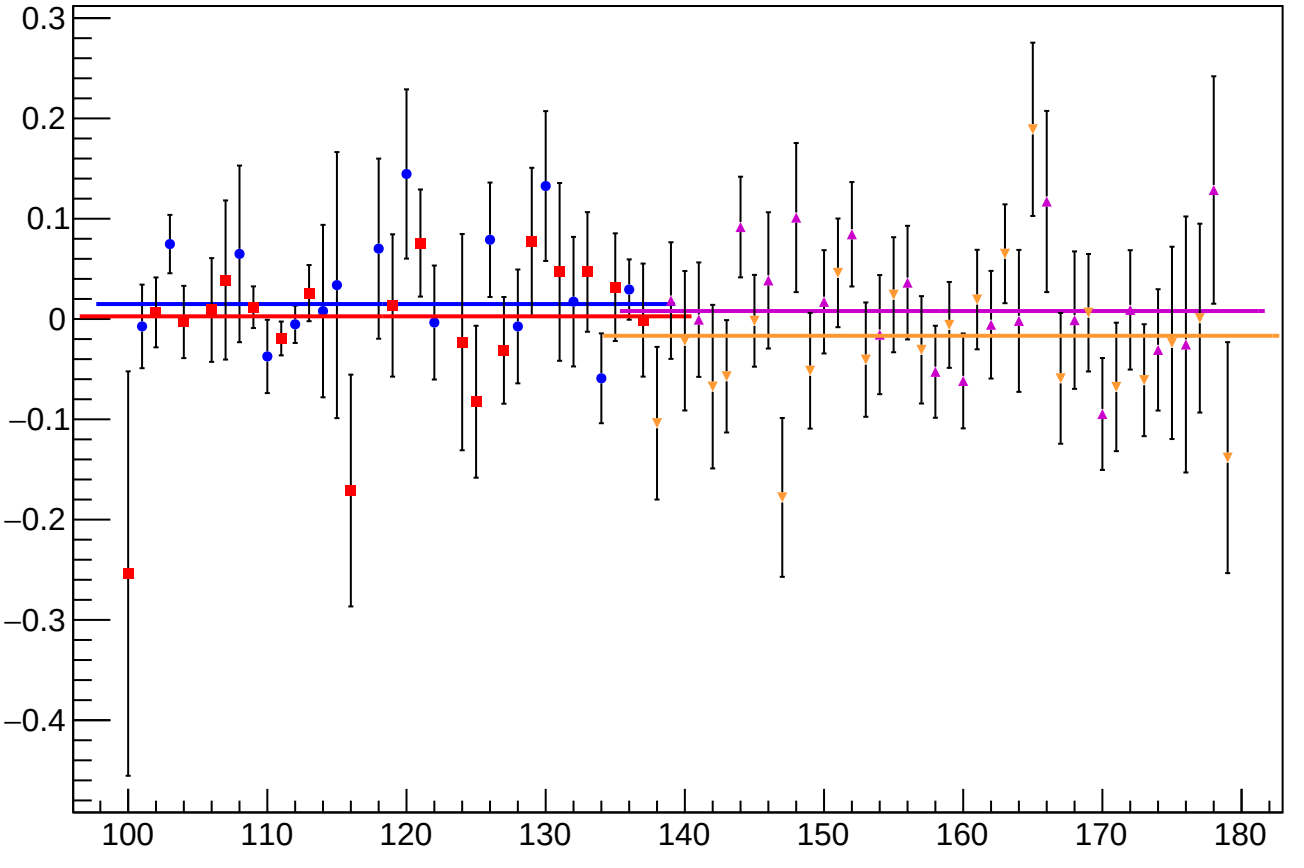
Left: 0.000+/-0.000 χ^2/NDF: 1668409.0/41

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:2230974.2/35

Out: 0.000+/-0.000 χ^2/NDF:2651143.2/40

All: 0.000+/-0.000 χ^2/NDF: 5061366.1/76



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.008+/-0.013 χ^2/NDF:17.7/19

Left: -0.005+/-0.009 χ^2/NDF: 40.4/41

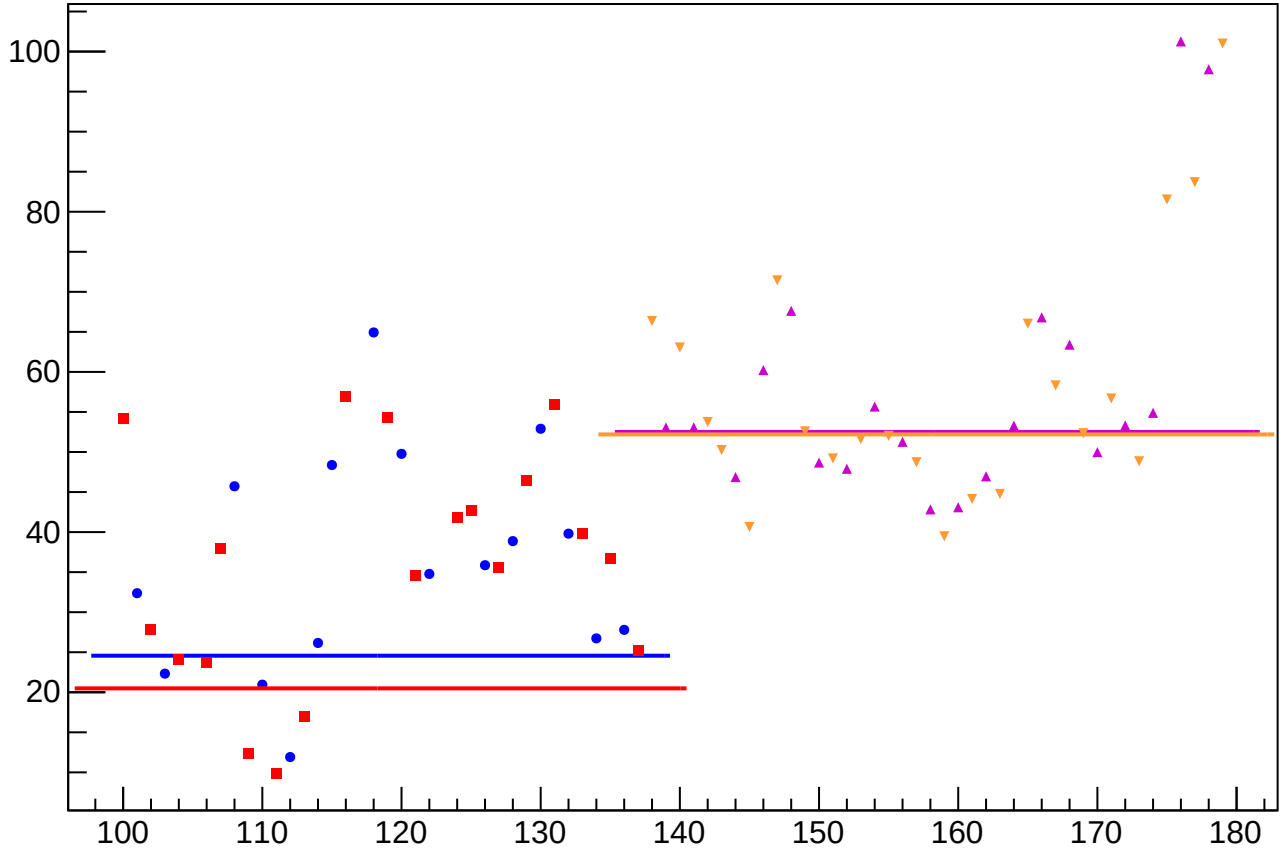
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.003+/-0.006 χ^2/NDF: 72.6/76

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.504+/-0.009 χ^2/NDF:1076244.8/19

Left: 52.344+/-0.007 χ^2/NDF: 2589571.5/41

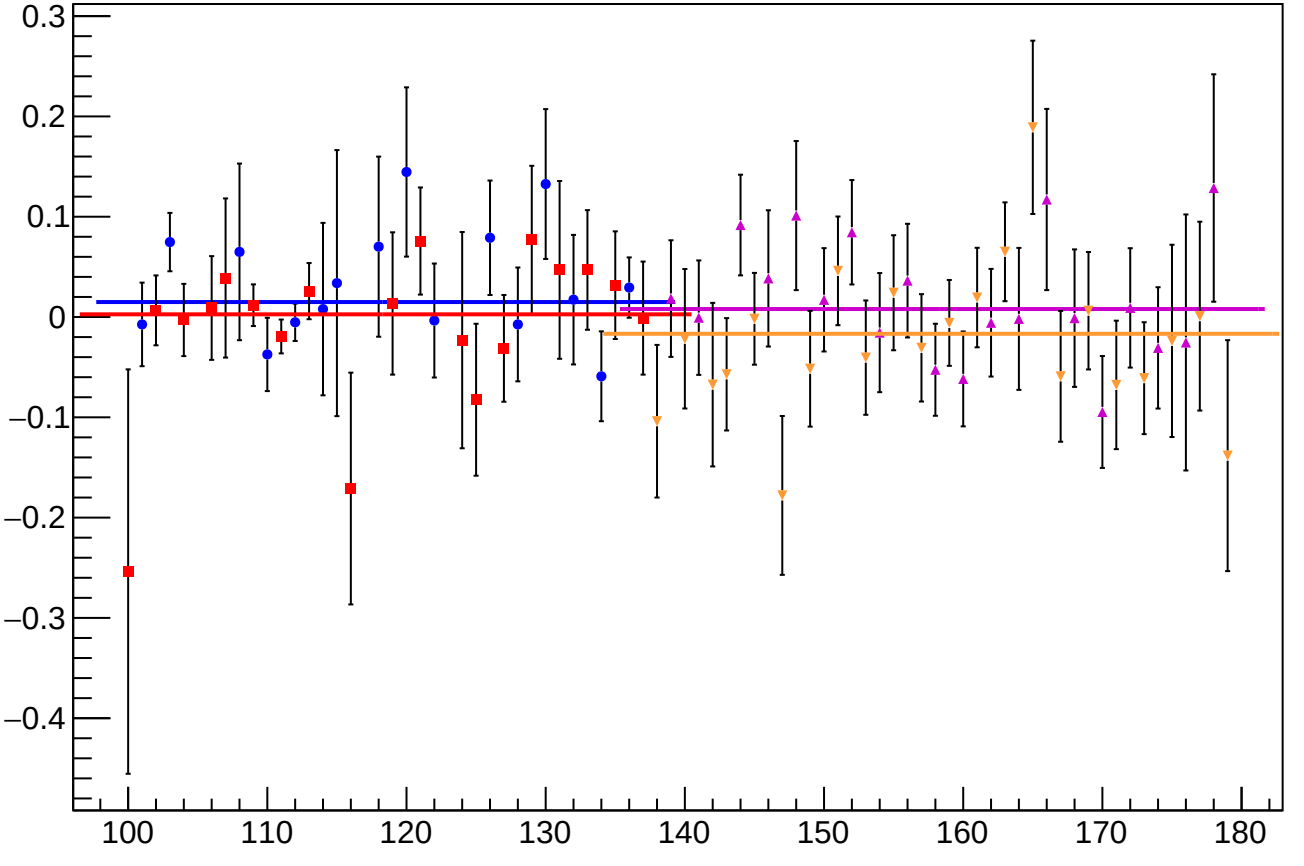
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.291+/-0.006 χ^2/NDF:8907100.1/35

Out: 31.177+/-0.005 χ^2/NDF:13060279.8/40

All: 33.027+/-0.004 χ^2/NDF: 22237181.4/76

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.008+/-0.013 χ^2/NDF:17.7/19

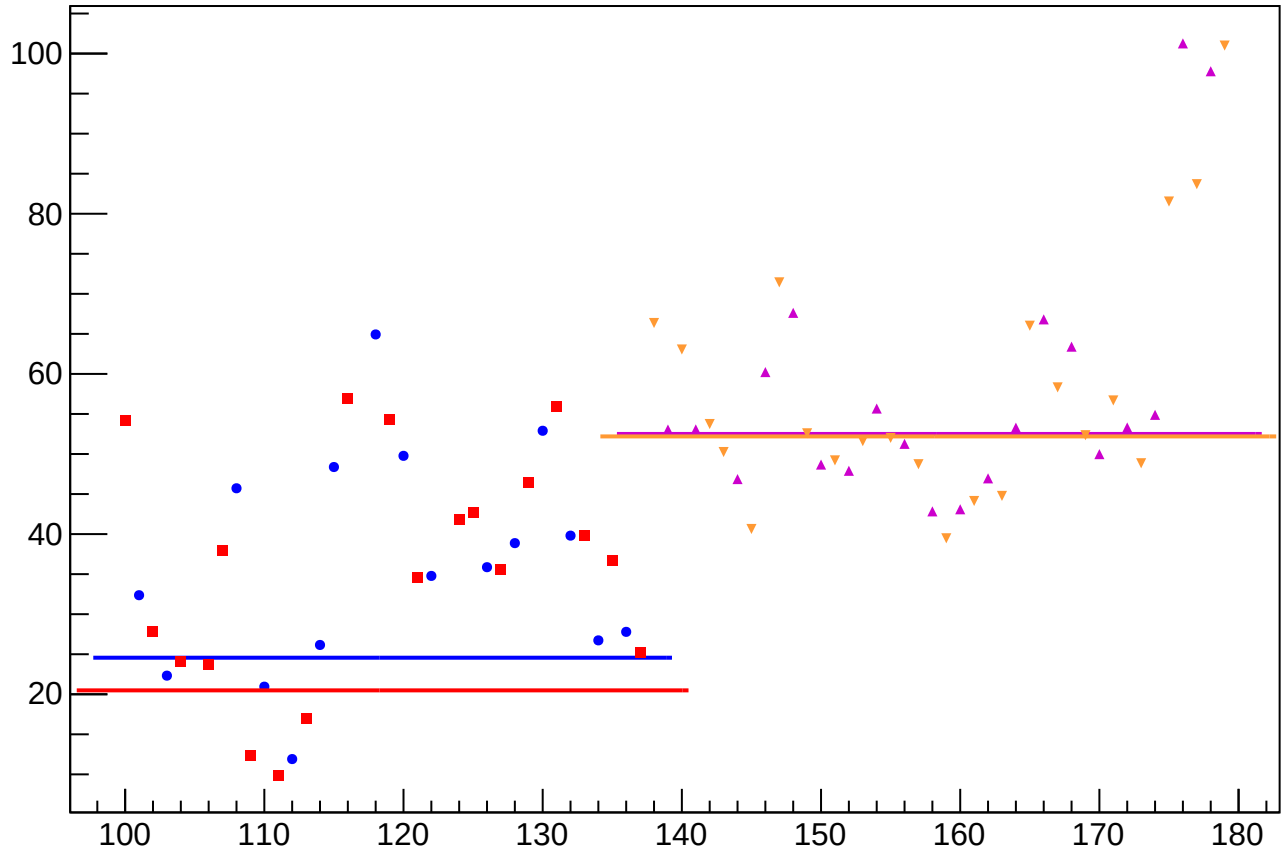
Left: -0.005+/-0.009 χ^2/NDF: 40.4/41

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.003+/-0.006 χ^2/NDF: 72.6/76



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512782.3/21

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.504+/-0.009 χ^2/NDF:1076244.8/19

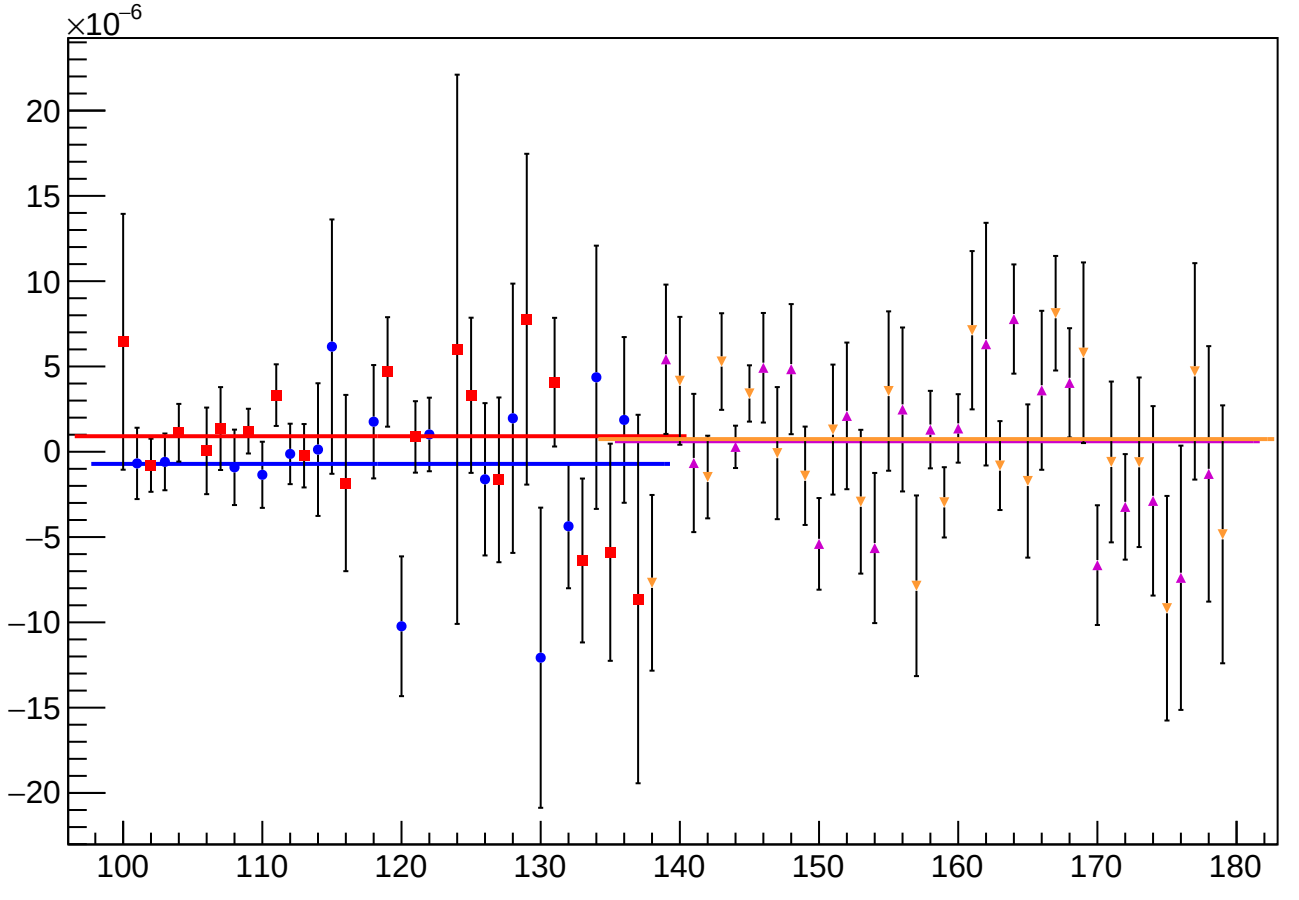
Left: 52.344+/-0.007 χ^2/NDF: 2589571.5/41

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.291+/-0.006 χ^2/NDF:8907100.1/35

Out: 31.177+/-0.005 χ^2/NDF:13060279.8/40

All: 33.027+/-0.004 χ^2/NDF: 22237181.4/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:26.5/19

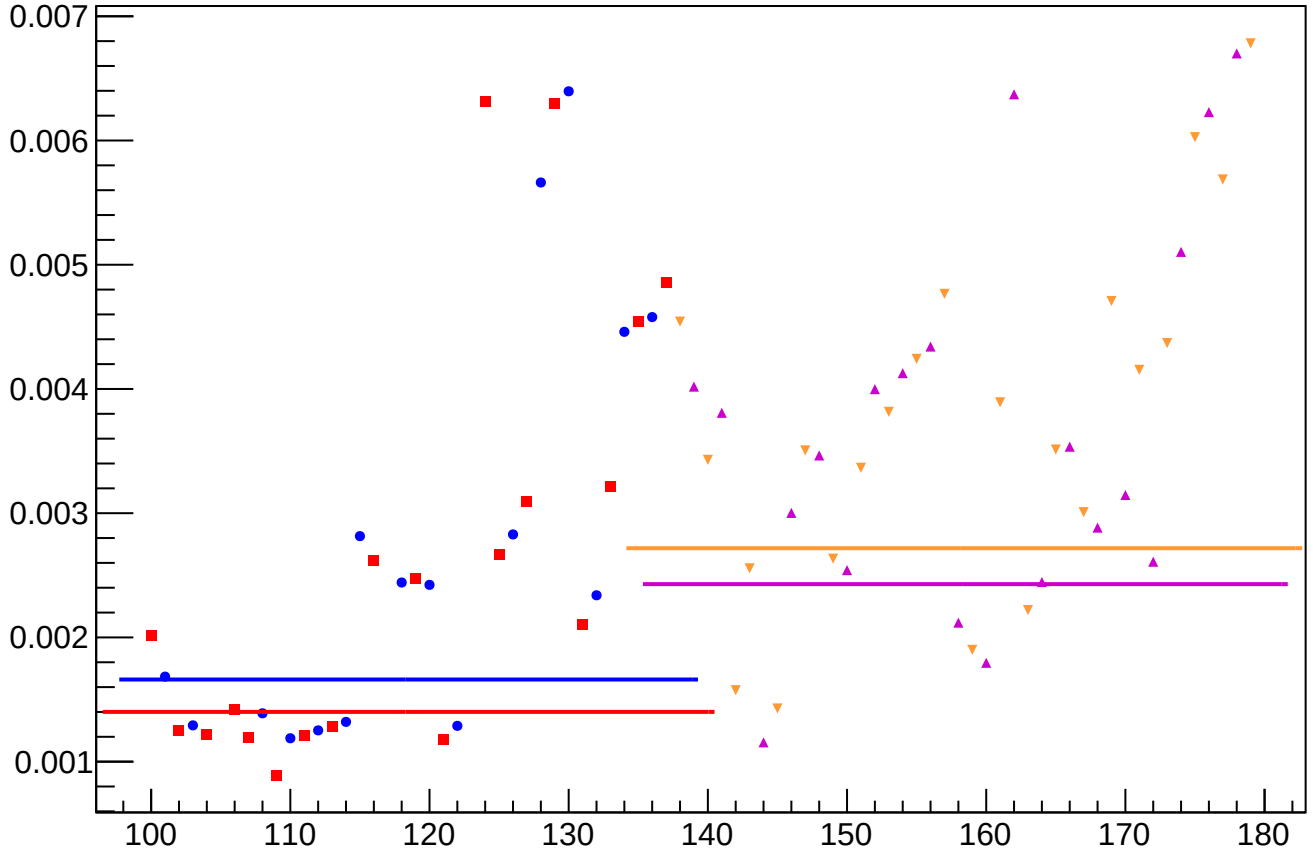
Left: 0.000+/-0.000 χ^2/NDF: 55.3/41

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:39.6/35

Out: 0.000+/-0.000 χ^2/NDF:40.7/40

All: 0.000+/-0.000 χ^2/NDF: 82.0/76



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:5590011.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:6386097.2/19

Left: 0.003+/-0.000 χ^2/NDF: 12146473.5/41

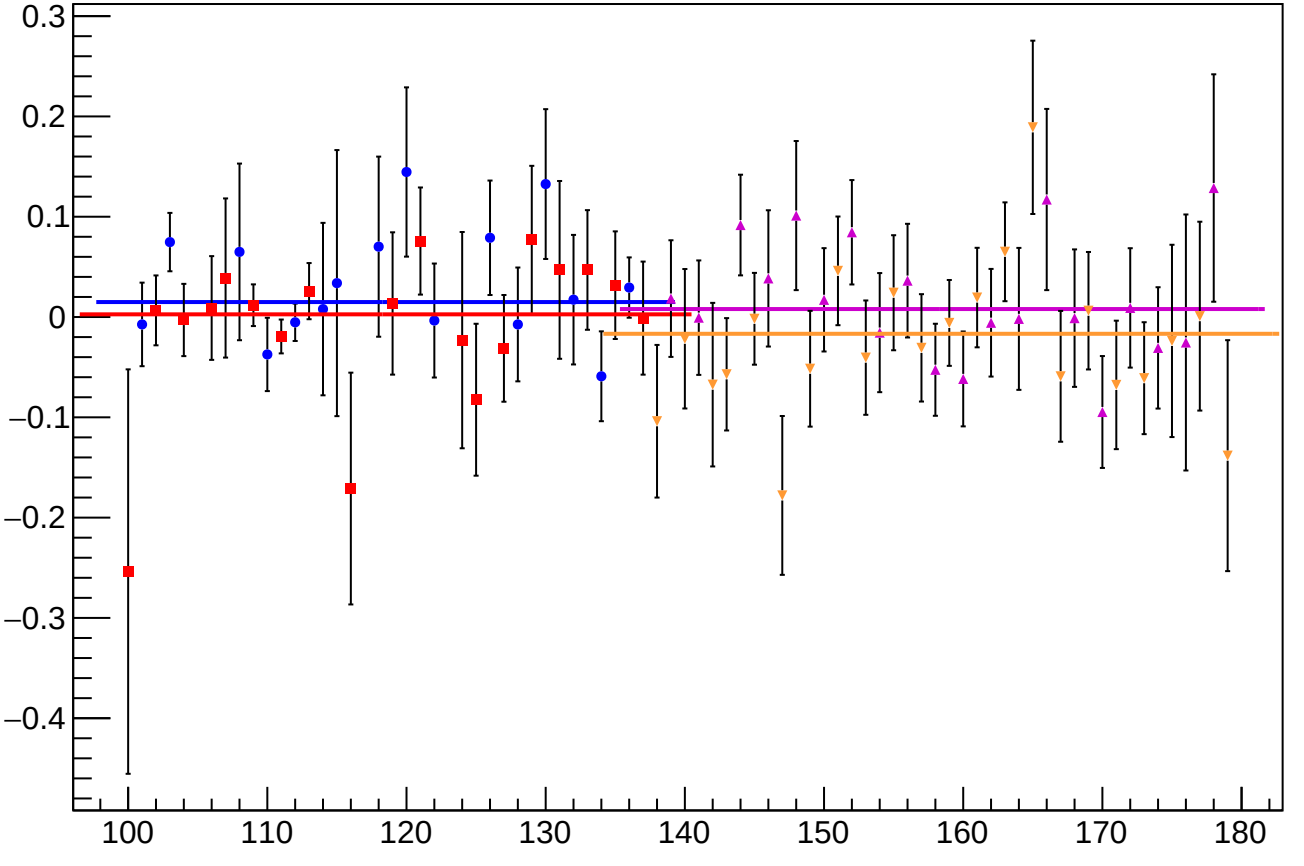
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:10568713.4/35

Out: 0.002+/-0.000 χ^2/NDF:12513200.5/40

All: 0.002+/-0.000 χ^2/NDF: 23159239.4/76

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.008+/-0.013 χ^2/NDF:17.7/19

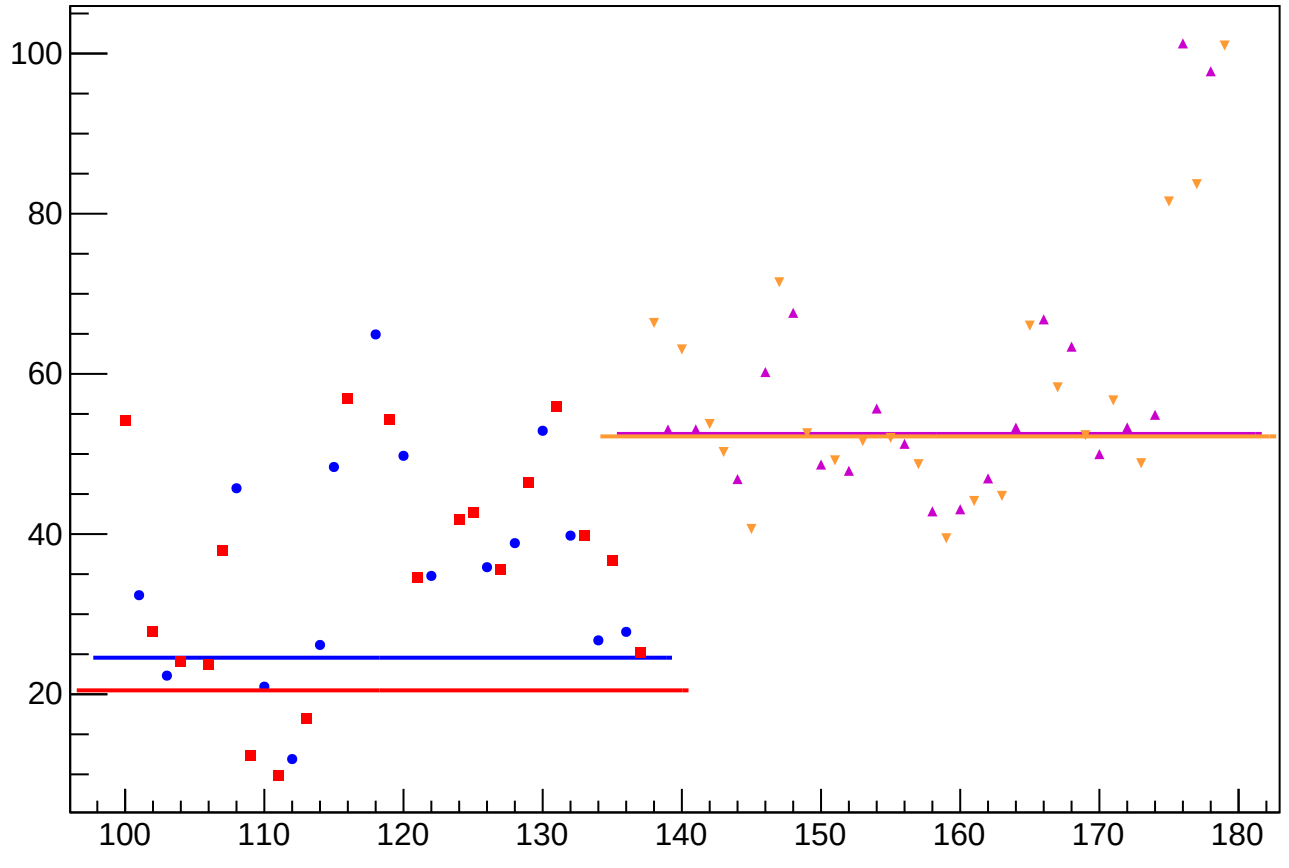
Left: -0.005+/-0.009 χ^2/NDF: 40.4/41

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.003+/-0.006 χ^2/NDF: 72.6/76



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

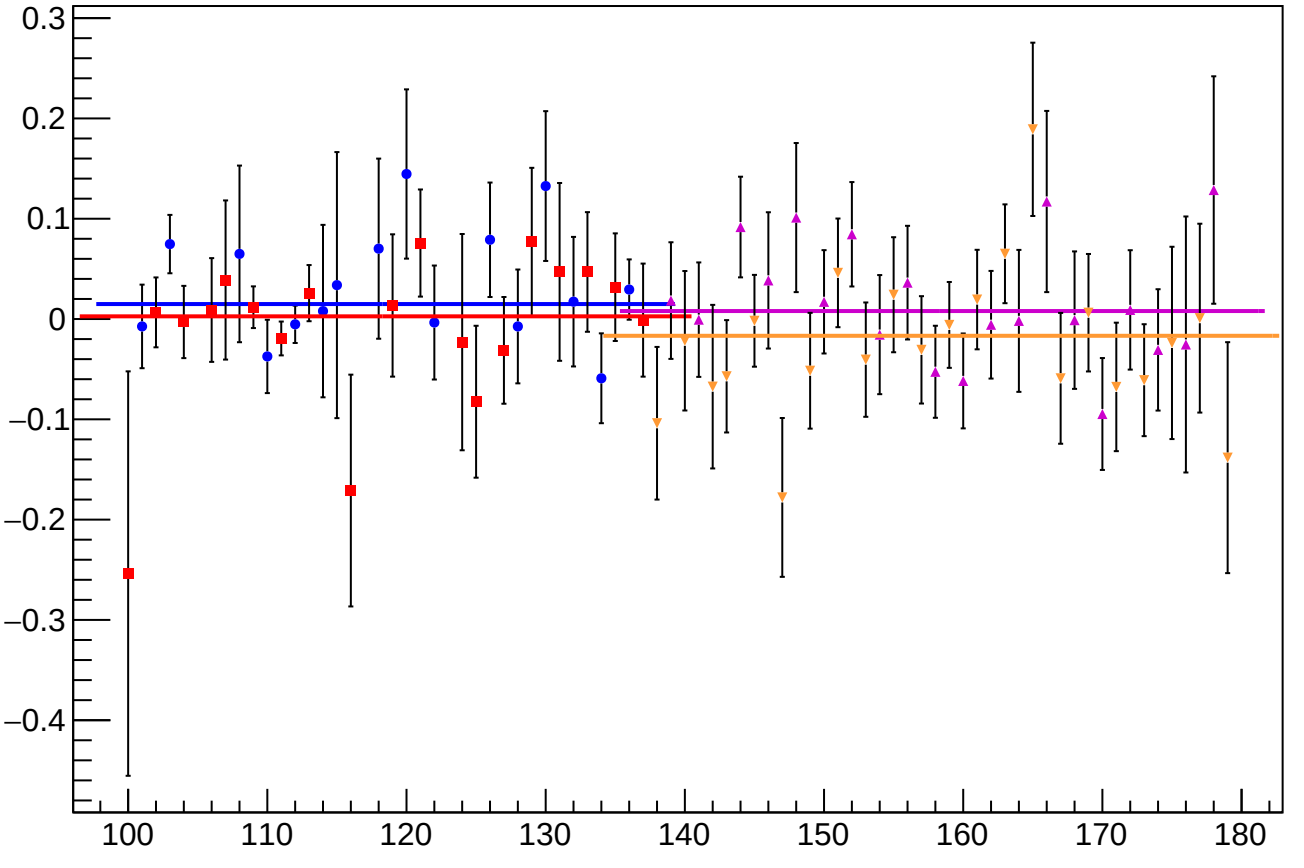
Left: 52.345+/-0.007 χ^2/NDF: 2589677.4/41

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.291+/-0.006 χ^2/NDF:8907385.7/35

Out: 31.176+/-0.005 χ^2/NDF:13060745.5/40

All: 33.026+/-0.004 χ^2/NDF: 22237950.7/76



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.017+/-0.013 χ^2/NDF:21.0/21

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.008+/-0.013 χ^2/NDF:17.7/19

Left: -0.005+/-0.009 χ^2/NDF: 40.4/41

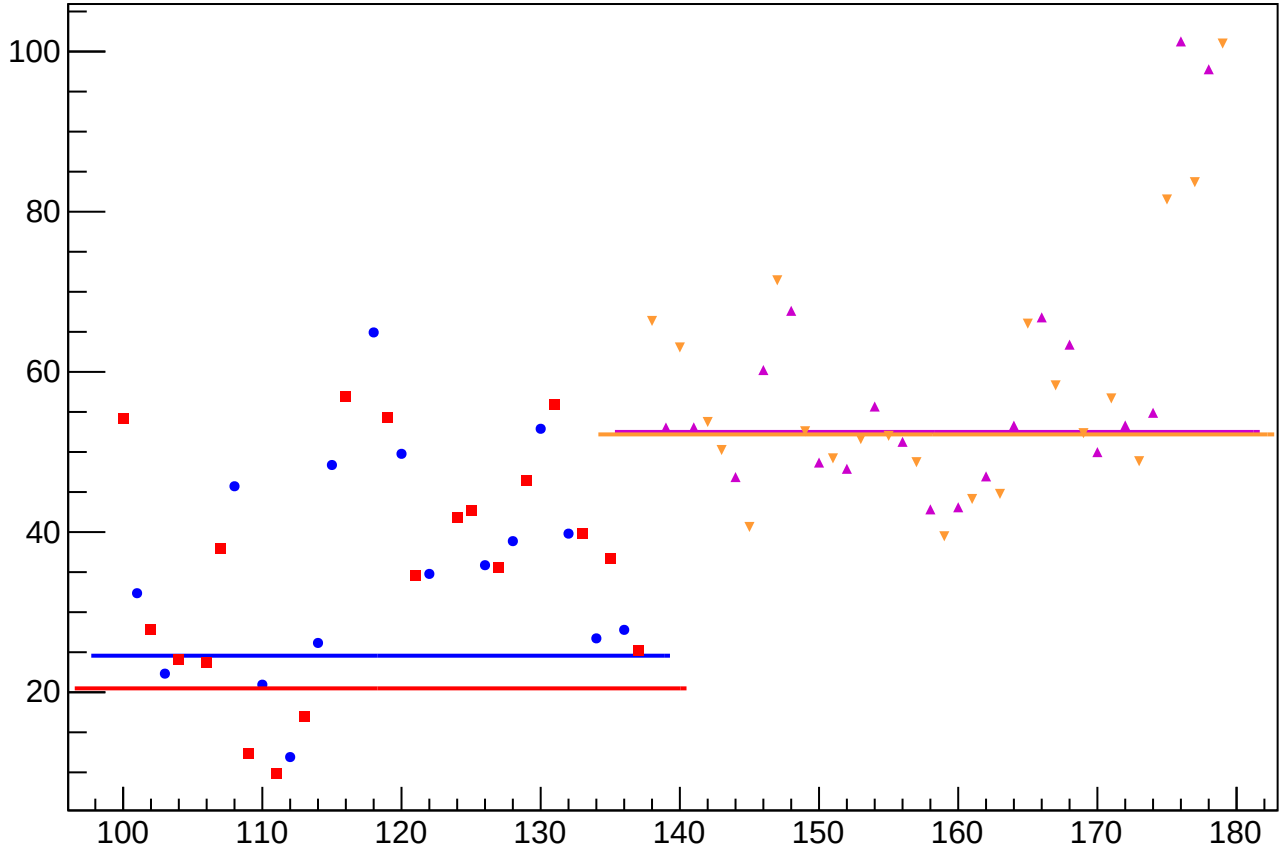
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.004+/-0.008 χ^2/NDF:34.9/40

All: 0.003+/-0.006 χ^2/NDF: 72.6/76

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.196+/-0.009 χ^2/NDF:1512851.0/21

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

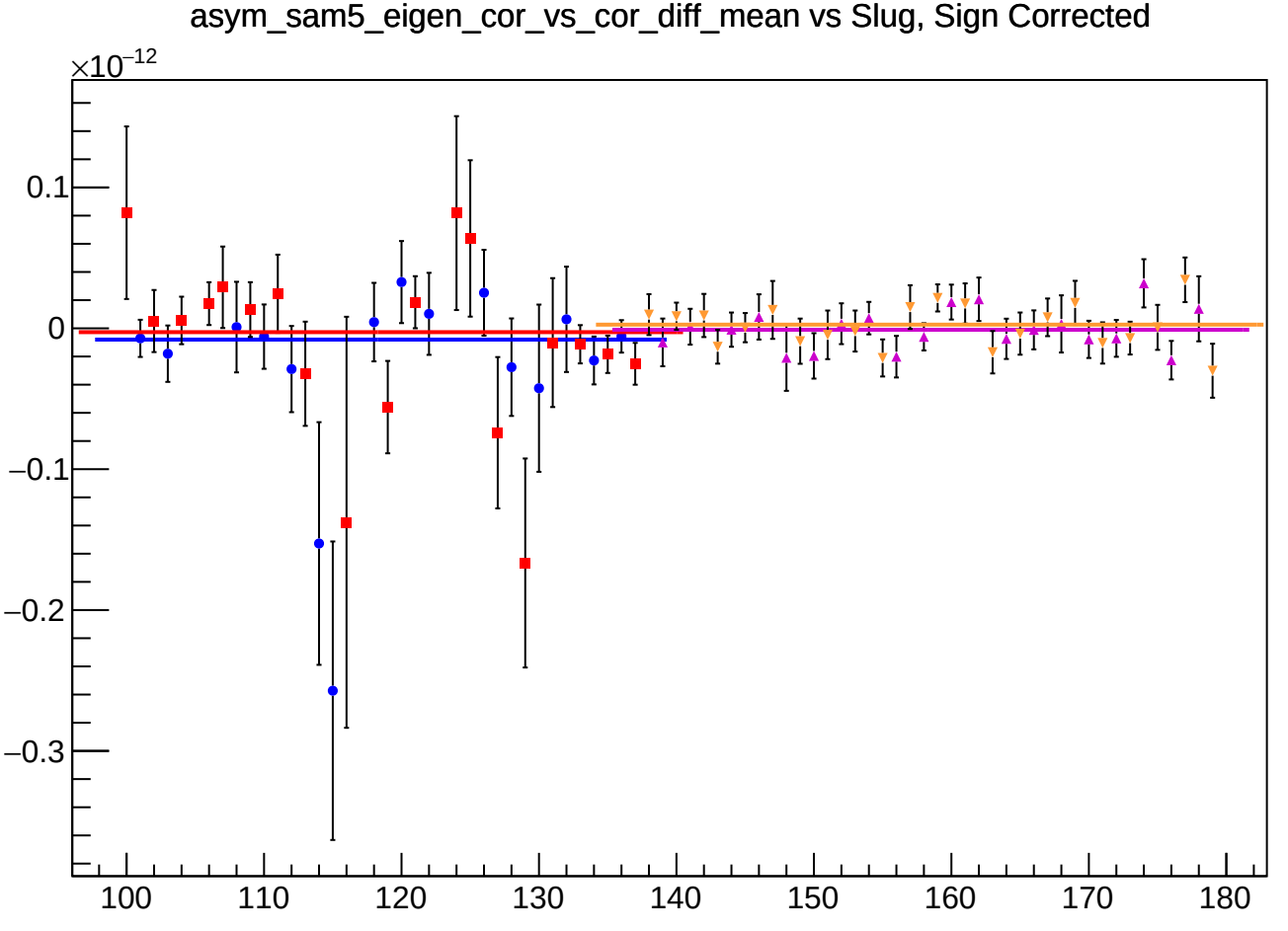
Left: 52.345+/-0.007 χ^2/NDF: 2589677.4/41

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.291+/-0.006 χ^2/NDF:8907385.7/35

Out: 31.176+/-0.005 χ^2/NDF:13060745.5/40

All: 33.026+/-0.004 χ^2/NDF: 22237950.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.0/19

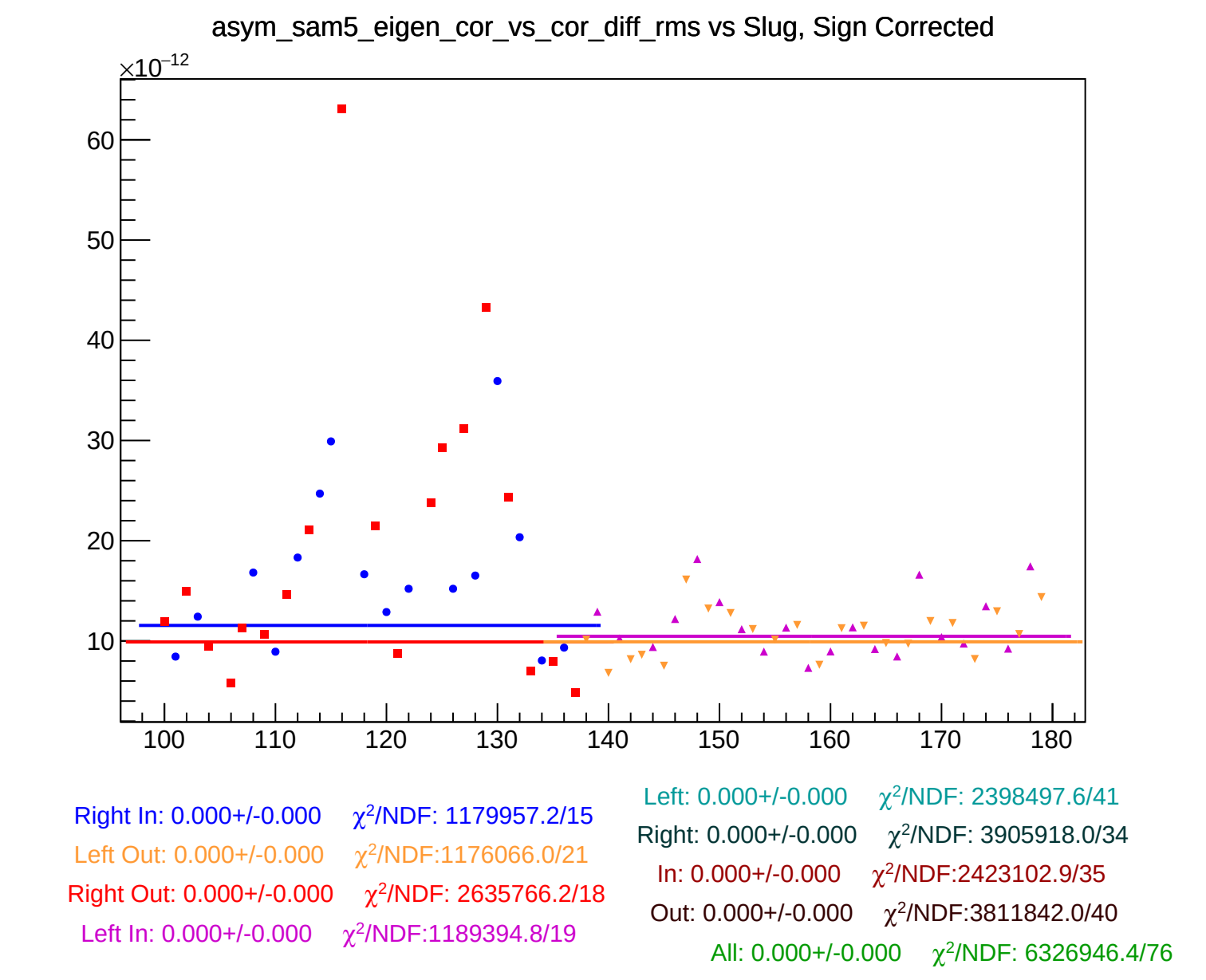
Left: 0.000+/-0.000 χ^2/NDF: 41.7/41

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

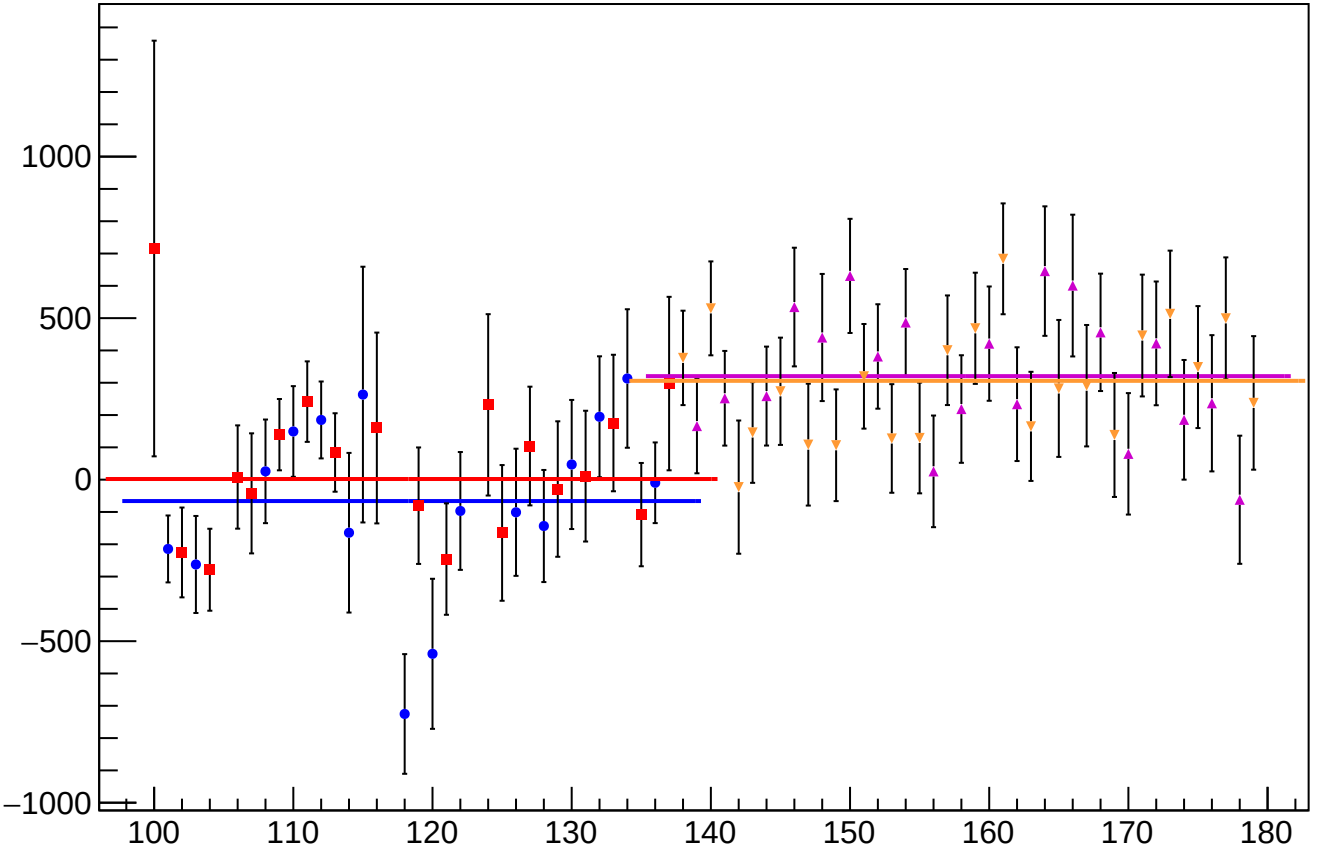
In: -0.000+/-0.000 χ^2/NDF:32.7/35

Out: 0.000+/-0.000 χ^2/NDF:50.8/40

All: -0.000+/-0.000 χ^2/NDF: 84.6/76


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1176066.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1189394.8/19
Left: 0.000+/-0.000 χ²/NDF: 2398497.6/41
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2423102.9/35
Out: 0.000+/-0.000 χ²/NDF:3811842.0/40
All: 0.000+/-0.000 χ²/NDF: 6326946.4/76

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.921+/-37.445 χ^2/NDF:21.3/21

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 320.483+/-39.510 χ^2/NDF:22.5/19

Left: 312.812+/-27.178 χ^2/NDF: 43.8/41

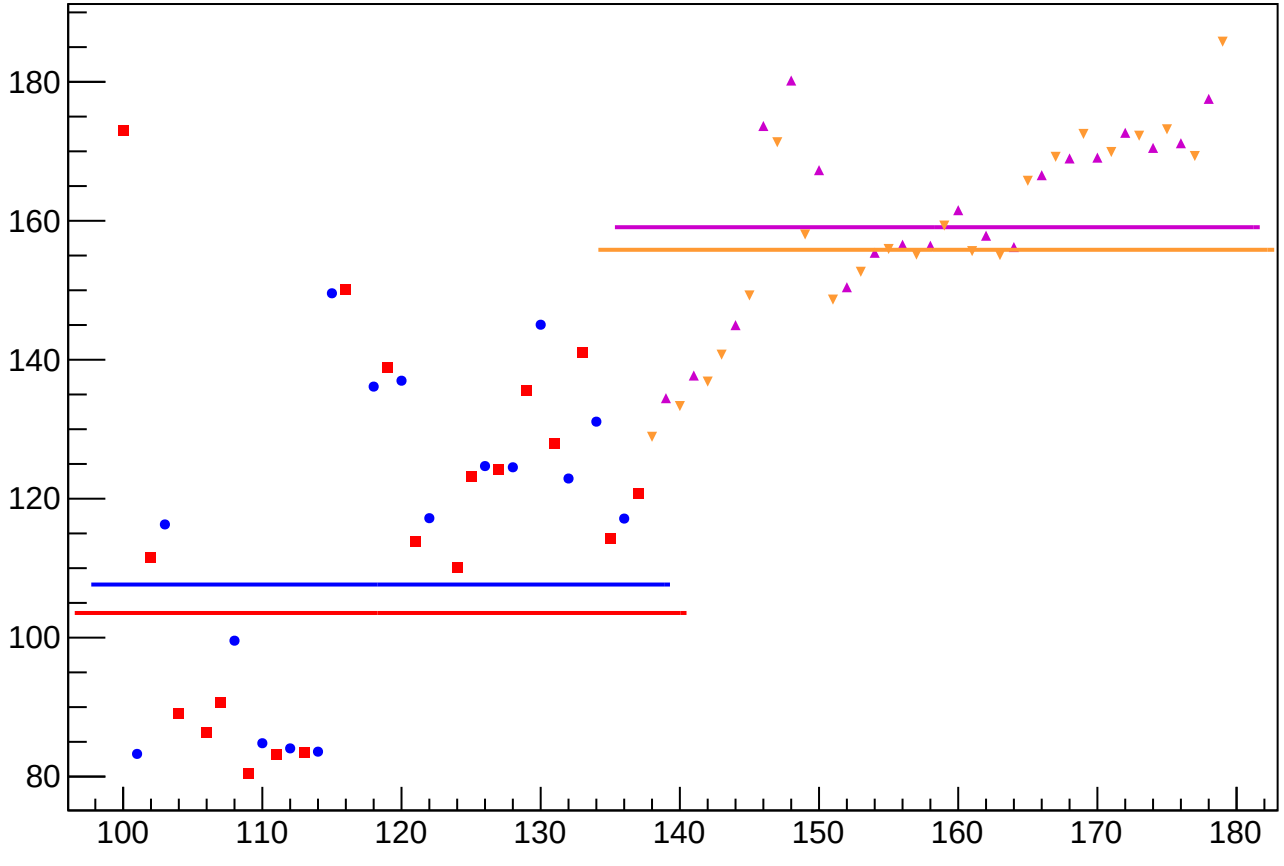
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 133.986+/-28.429 χ^2/NDF:103.1/35

Out: 159.628+/-26.966 χ^2/NDF:74.1/40

All: 147.484+/-19.565 χ^2/NDF: 177.6/76

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

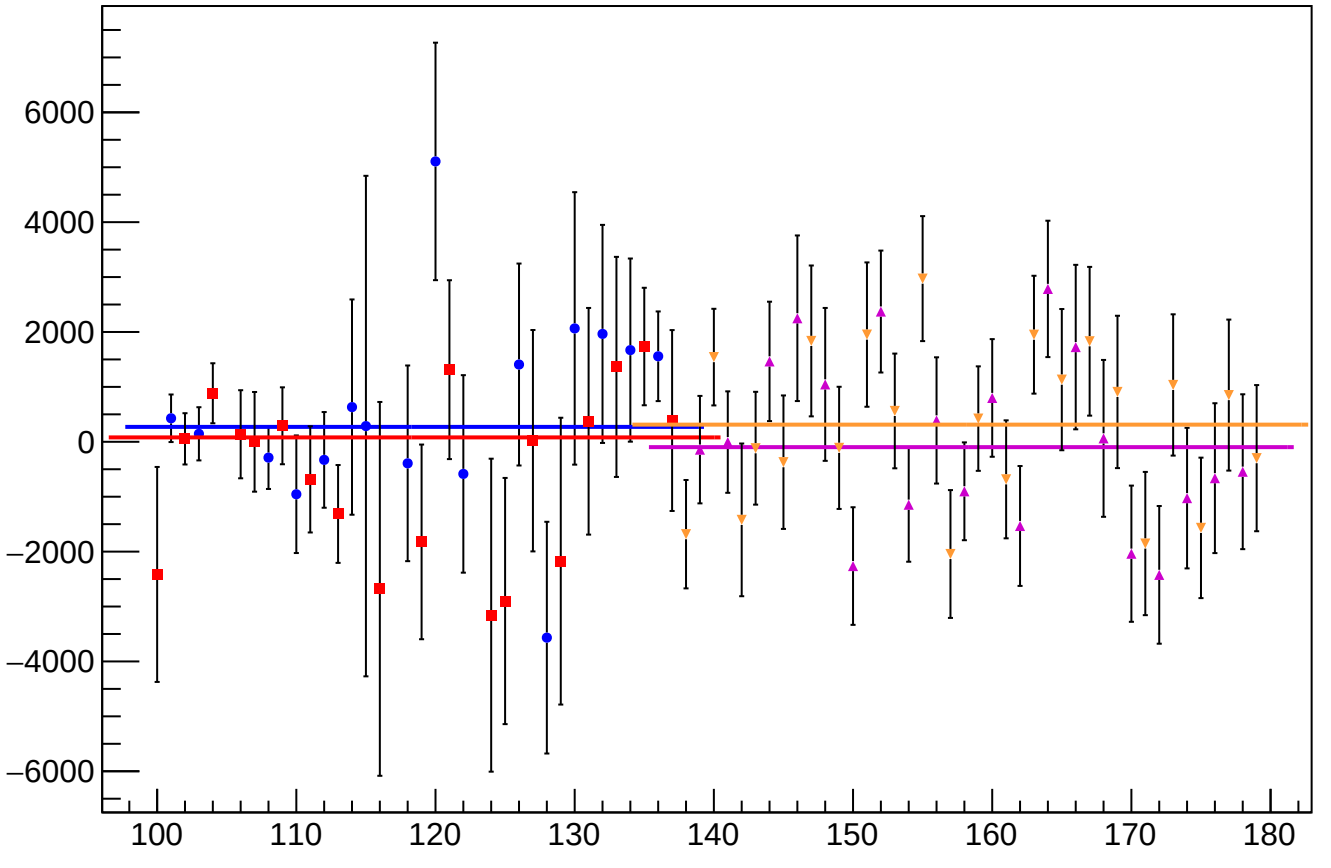
Left: 157.366+/-0.019 χ^2/NDF: 525064.8/41

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 134.273+/-0.020 χ^2/NDF:2387458.2/35

Out: 130.662+/-0.019 χ^2/NDF:2791802.7/40

All: 132.372+/-0.014 χ^2/NDF: 5196247.0/76



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 312.509+/-248.391 χ^2/NDF:31.3/21

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -97.273+/-259.281 χ^2/NDF:32.2/19

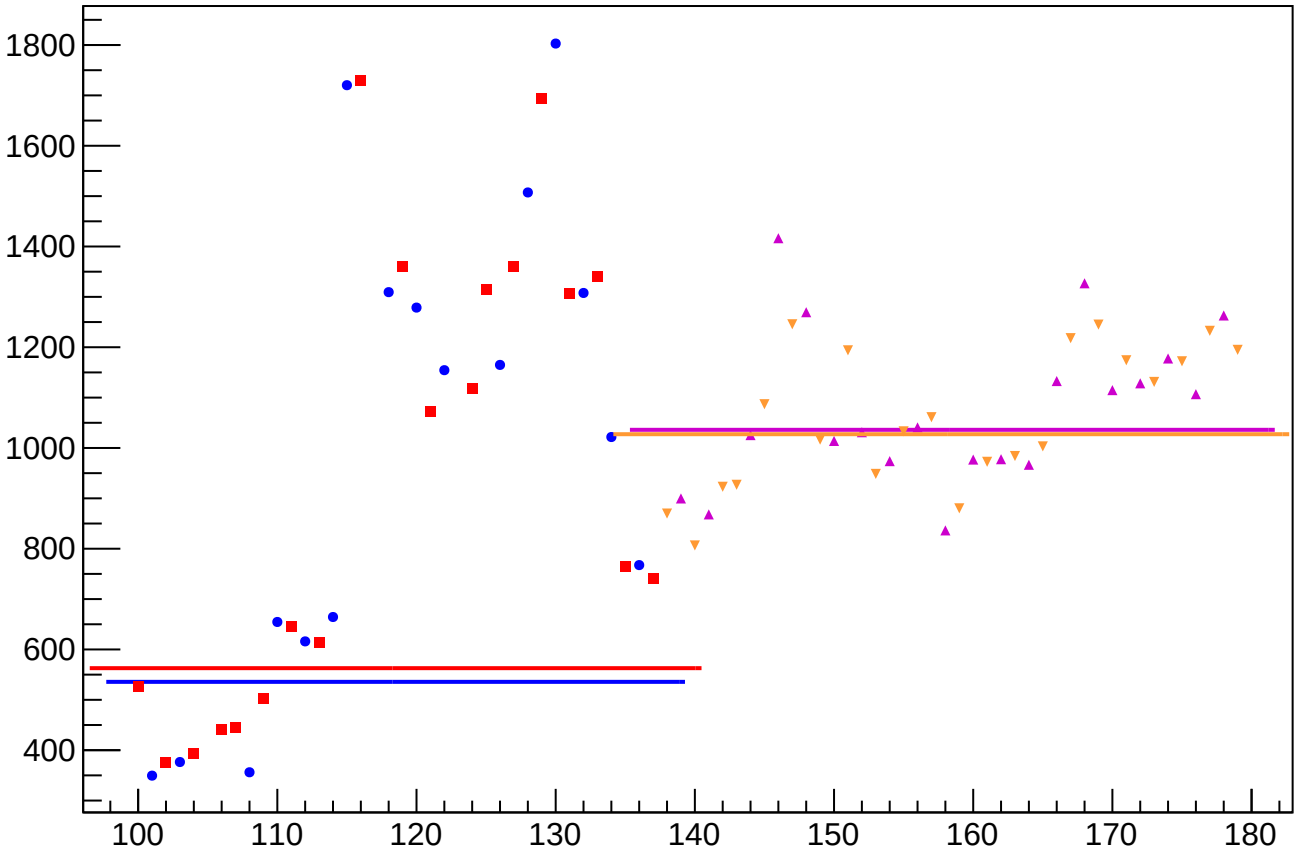
Left: 116.403+/-179.365 χ^2/NDF: 64.8/41

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 108.583+/-172.336 χ^2/NDF:49.8/35

Out: 188.458+/-169.608 χ^2/NDF:47.8/40

All: 149.158+/-120.884 χ^2/NDF: 97.7/76



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594046.4/21

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1036.057+/-0.183 χ^2/NDF:607036.4/19

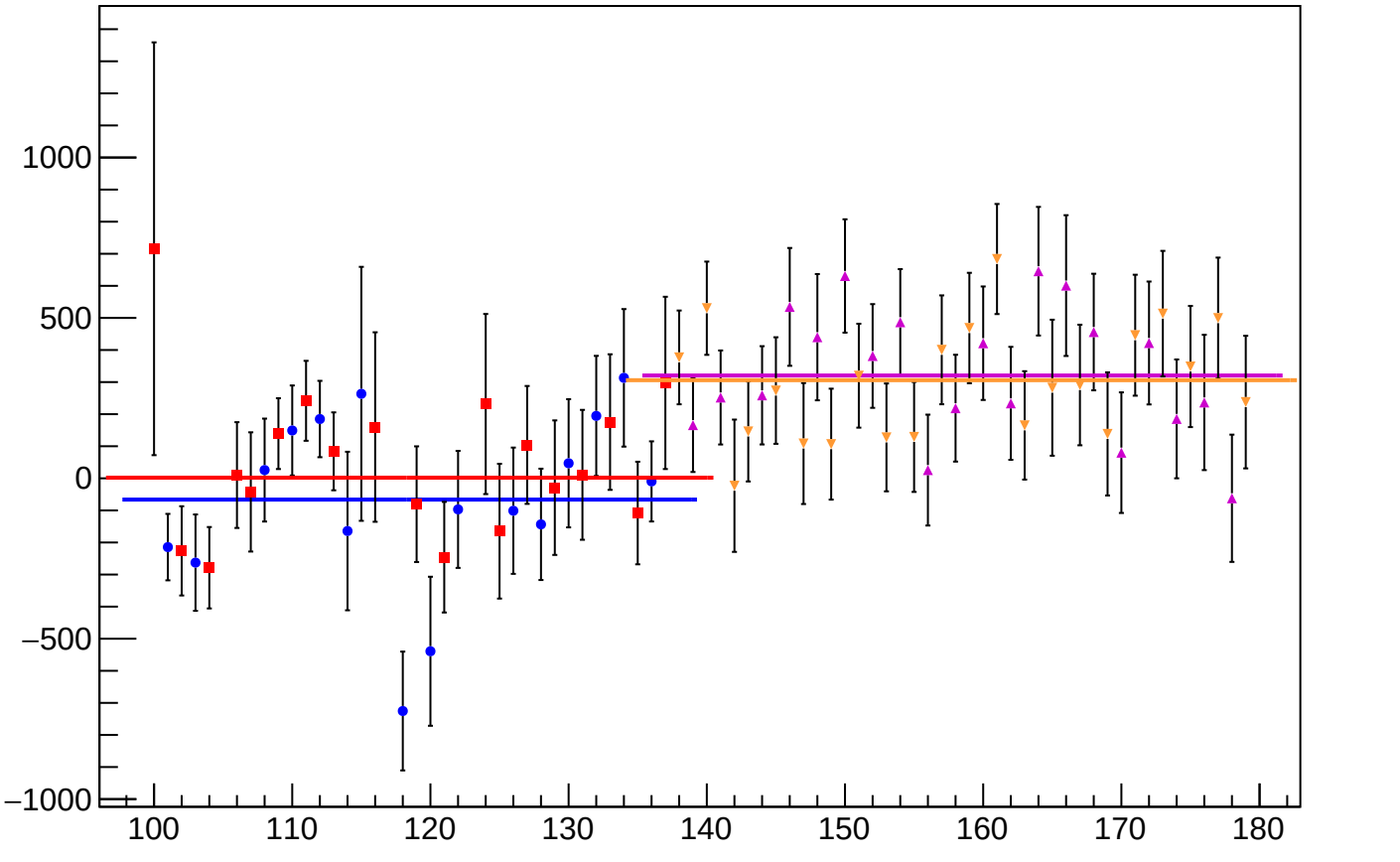
Left: 1031.507+/-0.127 χ^2/NDF: 1202263.9/41

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 756.742+/-0.122 χ^2/NDF:8397365.0/35

Out: 779.412+/-0.120 χ^2/NDF:7437932.6/40

All: 768.258+/-0.085 χ^2/NDF: 15852877.2/76



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 320.488+/-39.510 χ^2/NDF:22.5/19

Left: 312.814+/-27.178 χ^2/NDF: 43.8/41

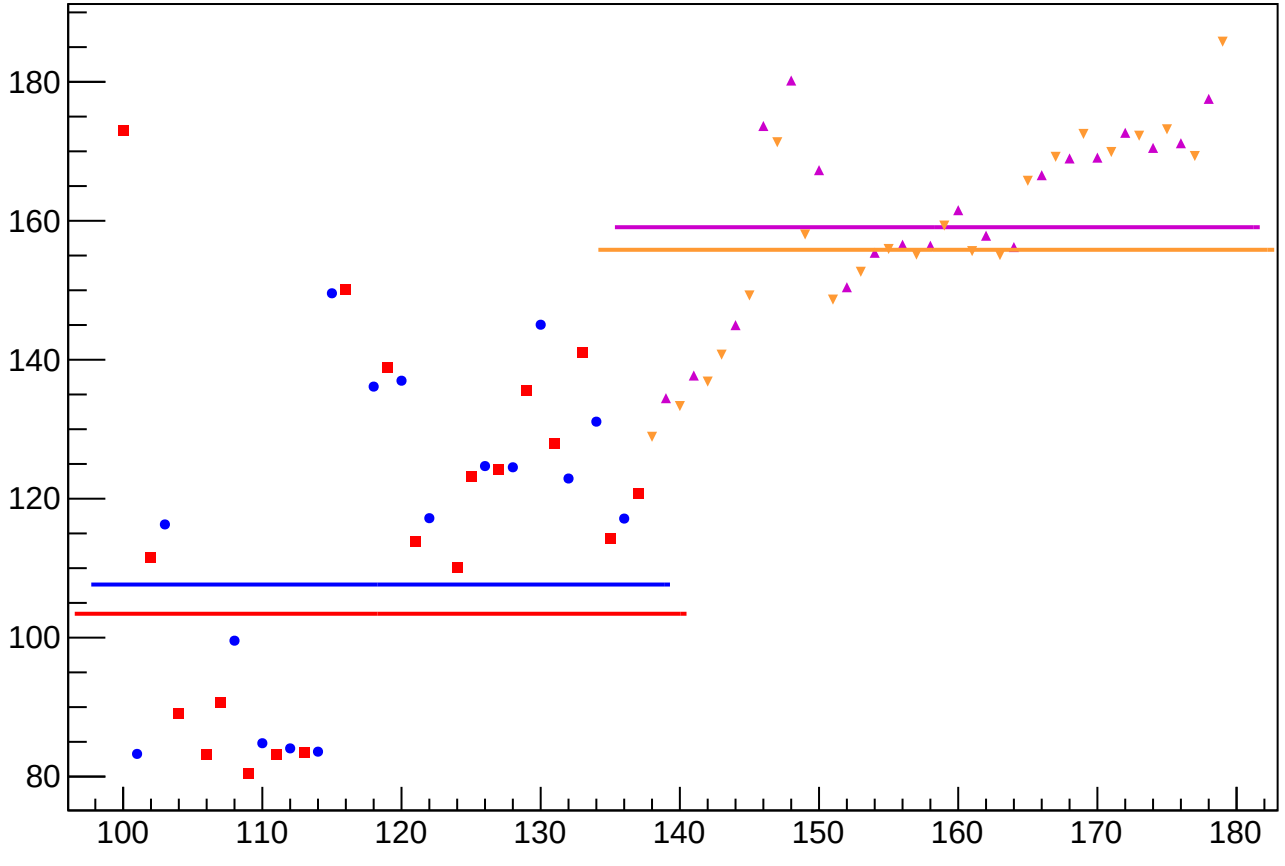
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 133.976+/-28.429 χ^2/NDF:103.1/35

Out: 159.923+/-26.989 χ^2/NDF:74.1/40

All: 147.623+/-19.574 χ^2/NDF: 177.6/76

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

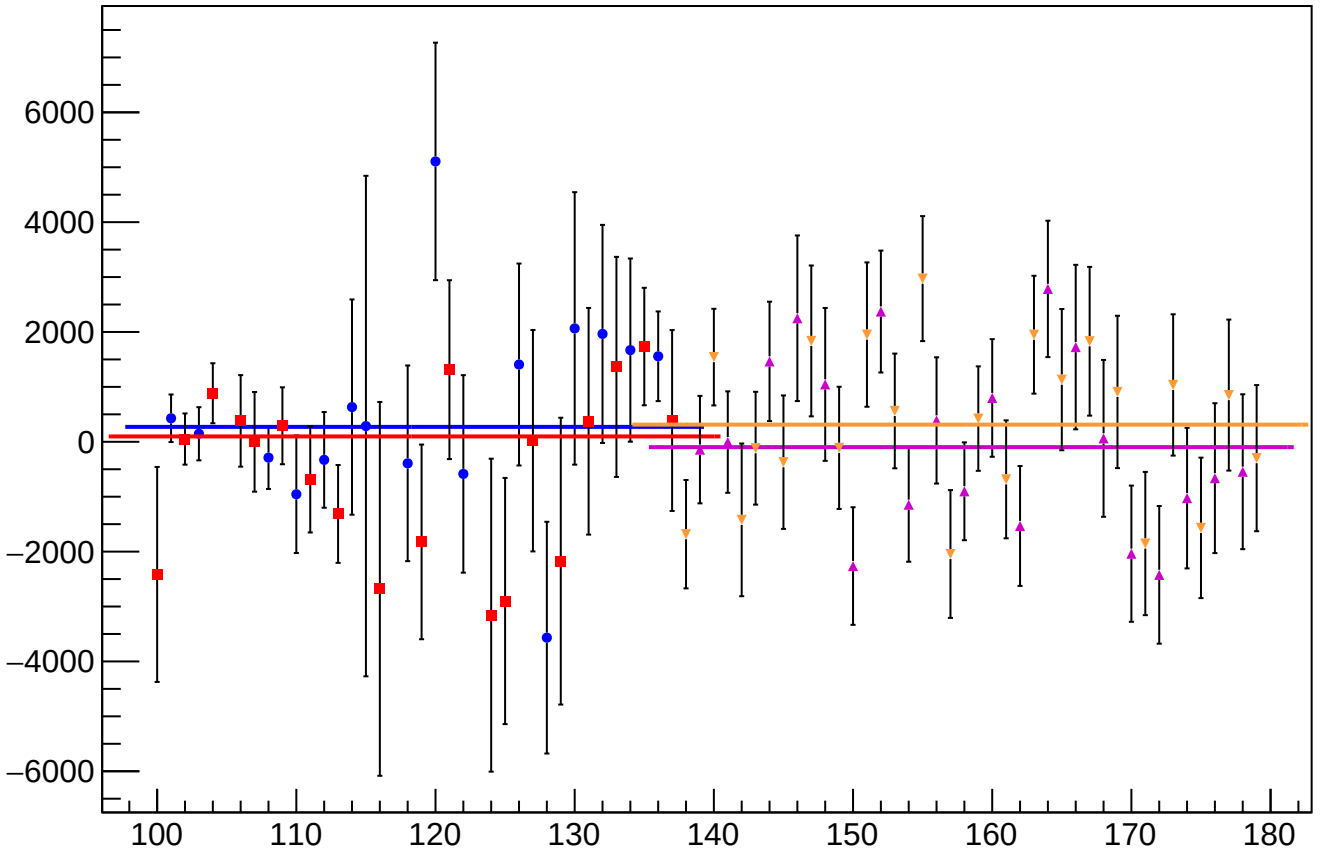
Left: 157.366+/-0.019 χ^2/NDF: 525064.8/41

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 134.273+/-0.020 χ^2/NDF:2387455.5/35

Out: 130.655+/-0.019 χ^2/NDF:2803736.6/40

All: 132.370+/-0.014 χ^2/NDF: 5208228.2/76



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 312.515+/-248.391 χ^2/NDF:31.3/21

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -97.273+/-259.281 χ^2/NDF:32.2/19

Left: 116.407+/-179.365 χ^2/NDF: 64.8/41

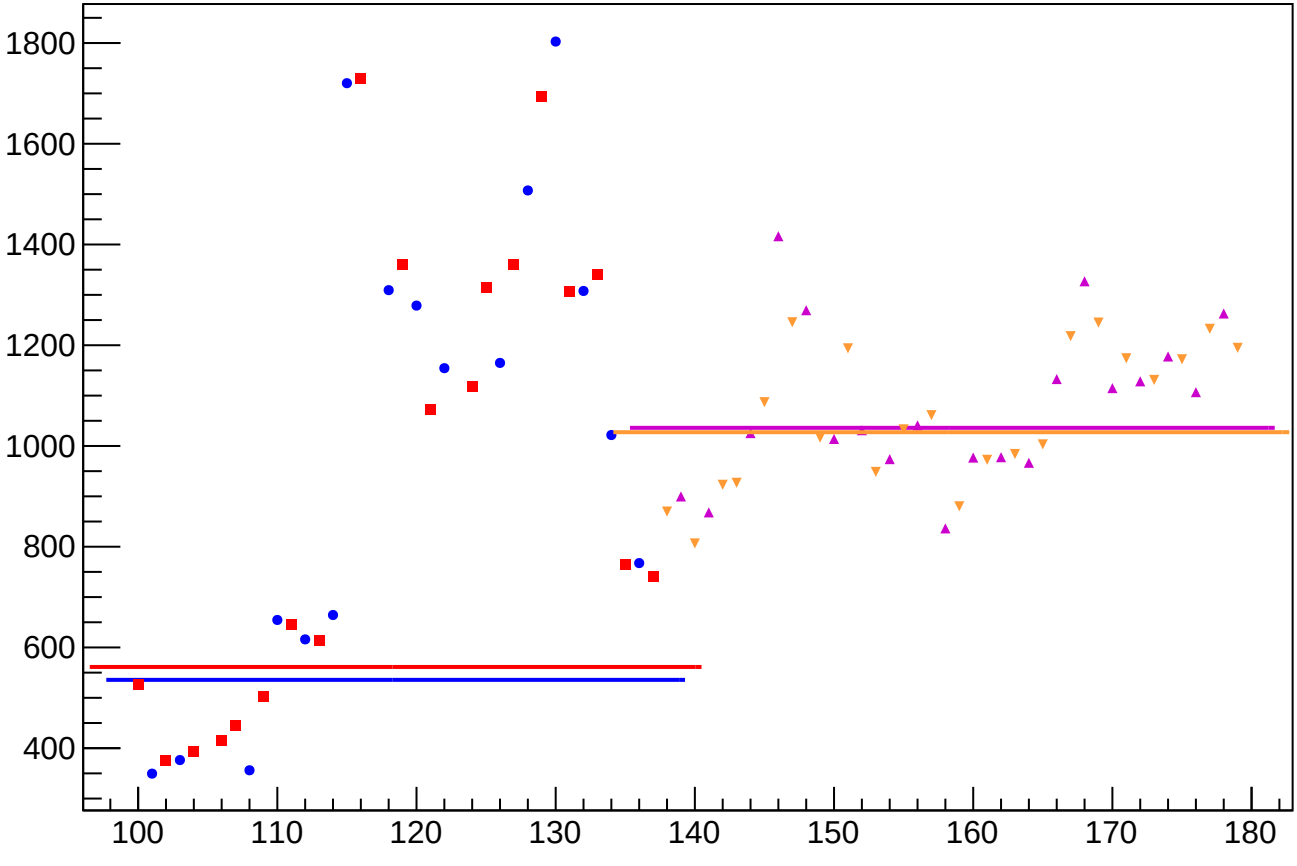
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 108.667+/-172.333 χ^2/NDF:49.8/35

Out: 198.224+/-169.852 χ^2/NDF:47.8/40

All: 154.095+/-120.971 χ^2/NDF: 97.8/76

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1036.057+/-0.183 χ^2/NDF:607034.0/19

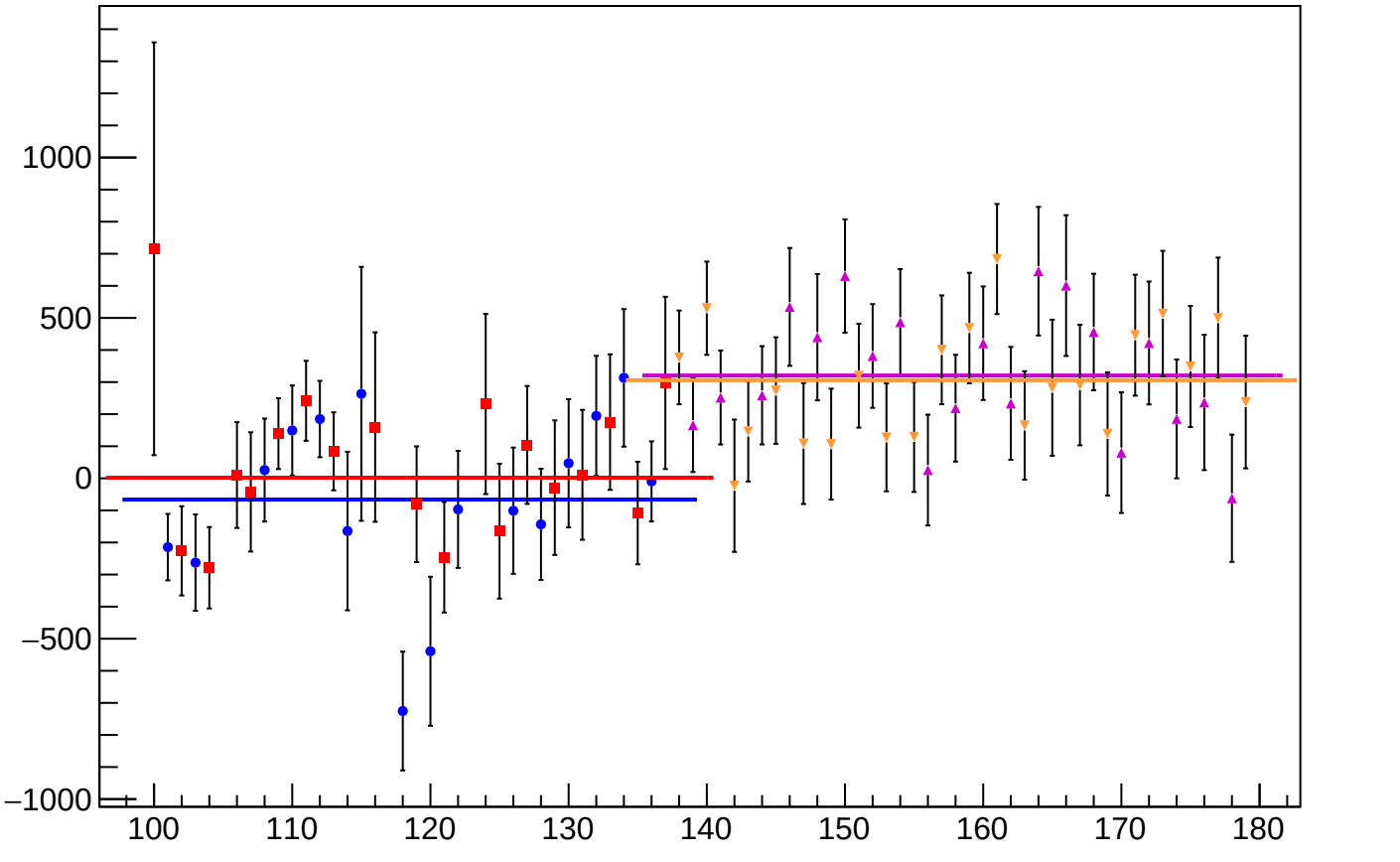
Left: 1031.507+/-0.127 χ^2/NDF: 1202260.6/41

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 756.722+/-0.122 χ^2/NDF:8398039.3/35

Out: 779.196+/-0.120 χ^2/NDF:7473578.1/40

All: 768.122+/-0.086 χ^2/NDF: 15888870.8/76



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 305.920+/-37.445 χ^2/NDF:21.3/21

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 320.488+/-39.510 χ^2/NDF:22.5/19

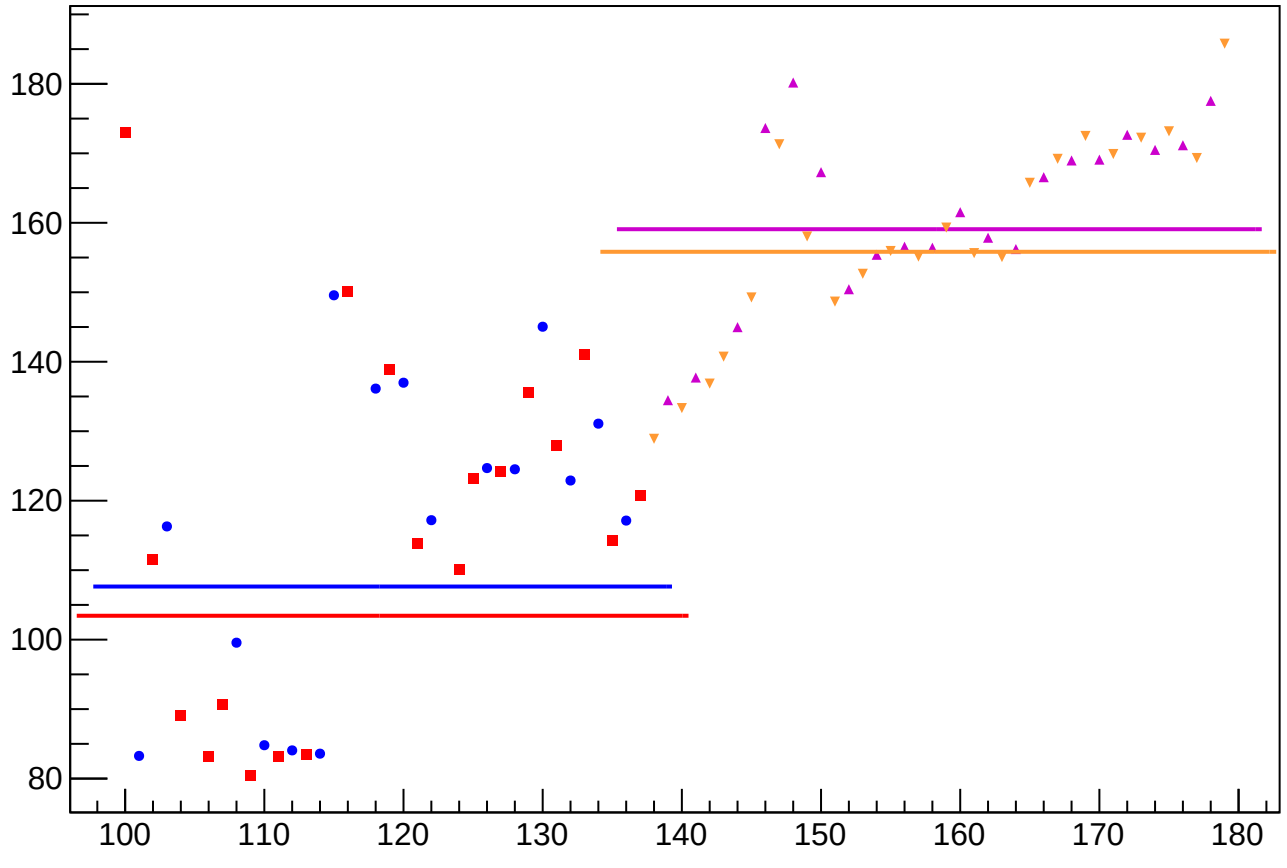
Left: 312.814+/-27.178 χ^2/NDF: 43.8/41

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 133.976+/-28.429 χ^2/NDF:103.1/35

Out: 159.923+/-26.989 χ^2/NDF:74.1/40

All: 147.623+/-19.574 χ^2/NDF: 177.6/76



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 155.828+/-0.026 χ^2/NDF:297865.4/21

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 159.078+/-0.028 χ^2/NDF:220069.5/19

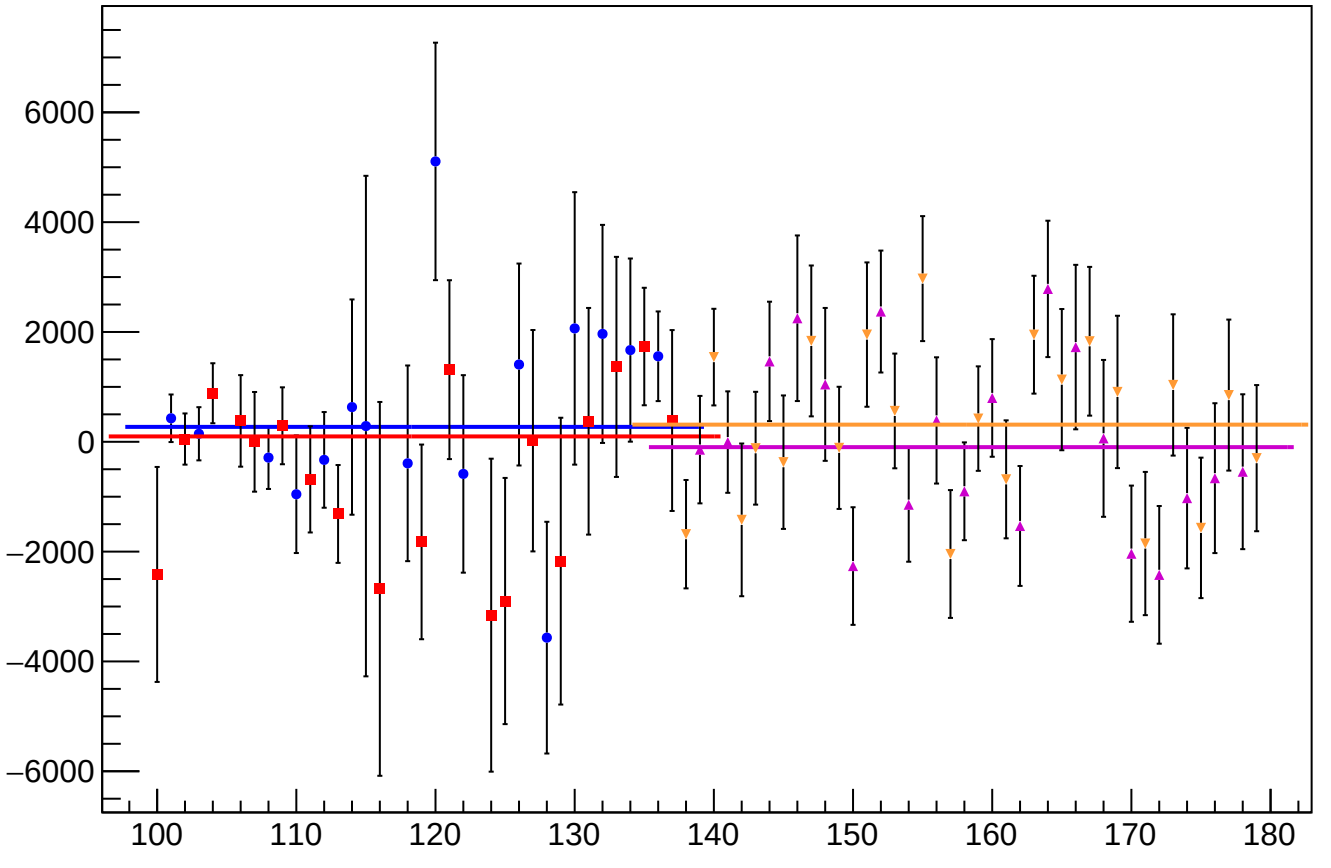
Left: 157.366+/-0.019 χ^2/NDF: 525064.8/41

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 134.273+/-0.020 χ^2/NDF:2387455.5/35

Out: 130.655+/-0.019 χ^2/NDF:2803736.6/40

All: 132.370+/-0.014 χ^2/NDF: 5208228.2/76



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 312.515+/-248.391 χ^2/NDF:31.3/21

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -97.273+/-259.281 χ^2/NDF:32.2/19

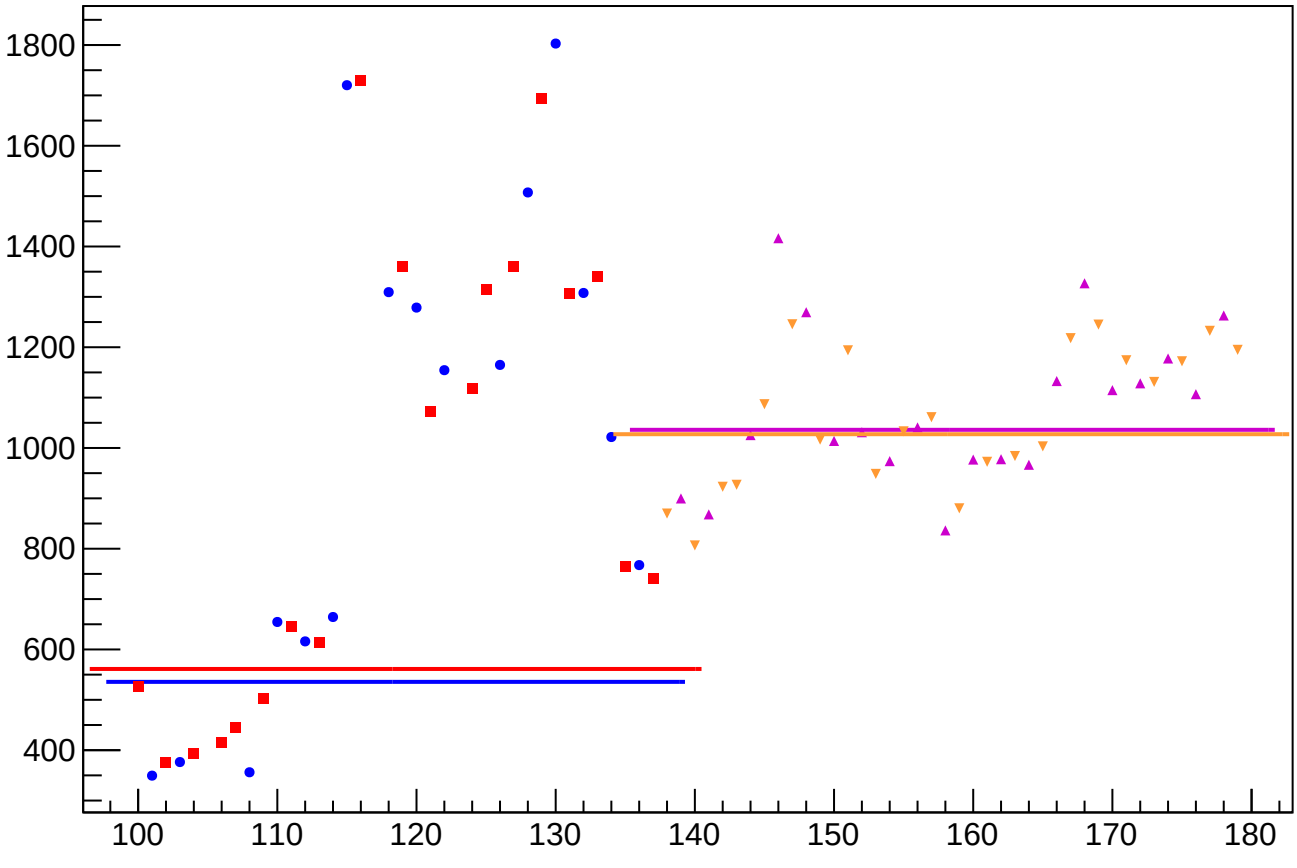
Left: 116.407+/-179.365 χ^2/NDF: 64.8/41

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 108.667+/-172.333 χ^2/NDF:49.8/35

Out: 198.224+/-169.852 χ^2/NDF:47.8/40

All: 154.095+/-120.971 χ^2/NDF: 97.8/76



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1027.331+/-0.176 χ^2/NDF:594045.6/21

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1036.057+/-0.183 χ^2/NDF:607034.0/19

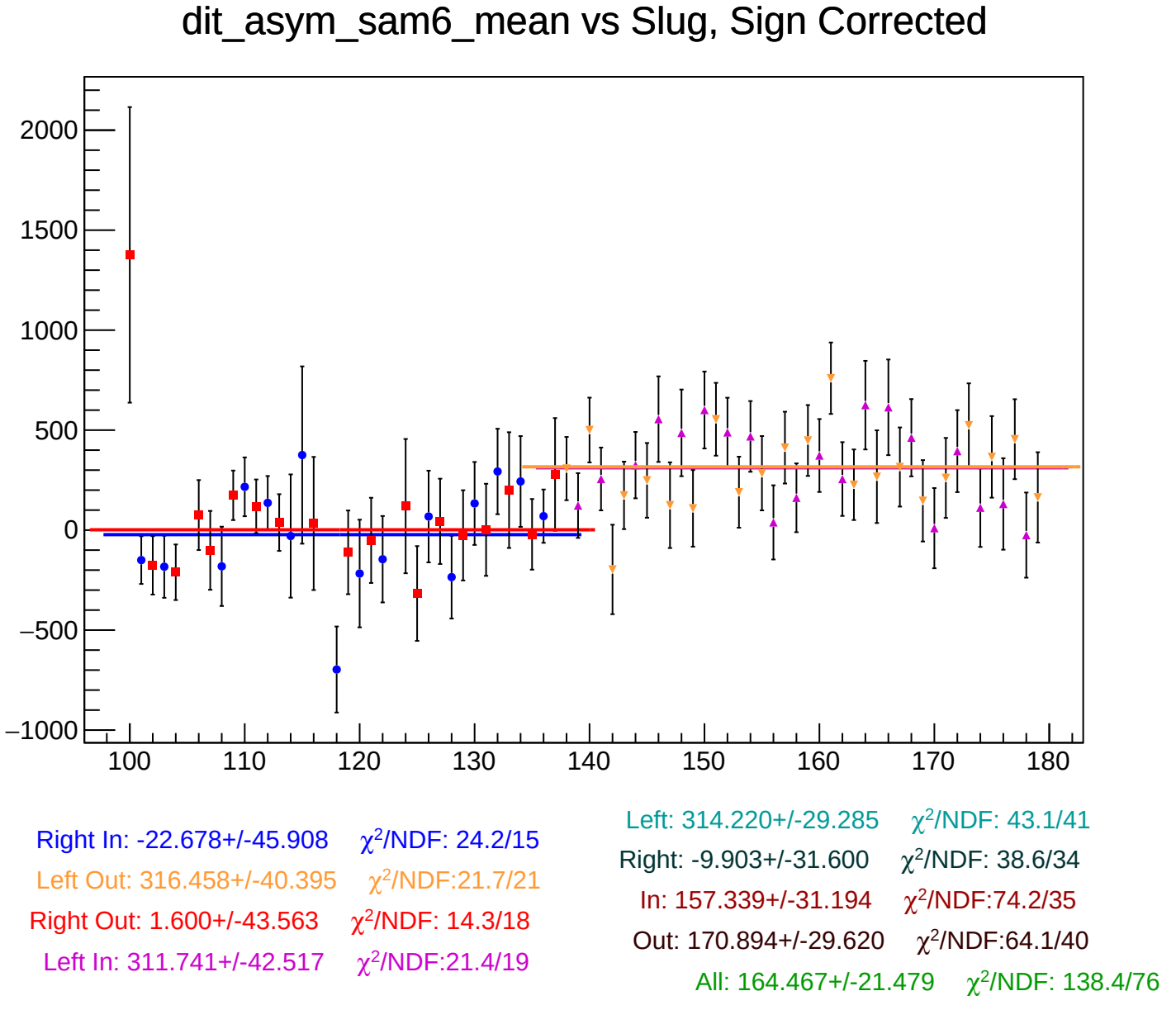
Left: 1031.507+/-0.127 χ^2/NDF: 1202260.6/41

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

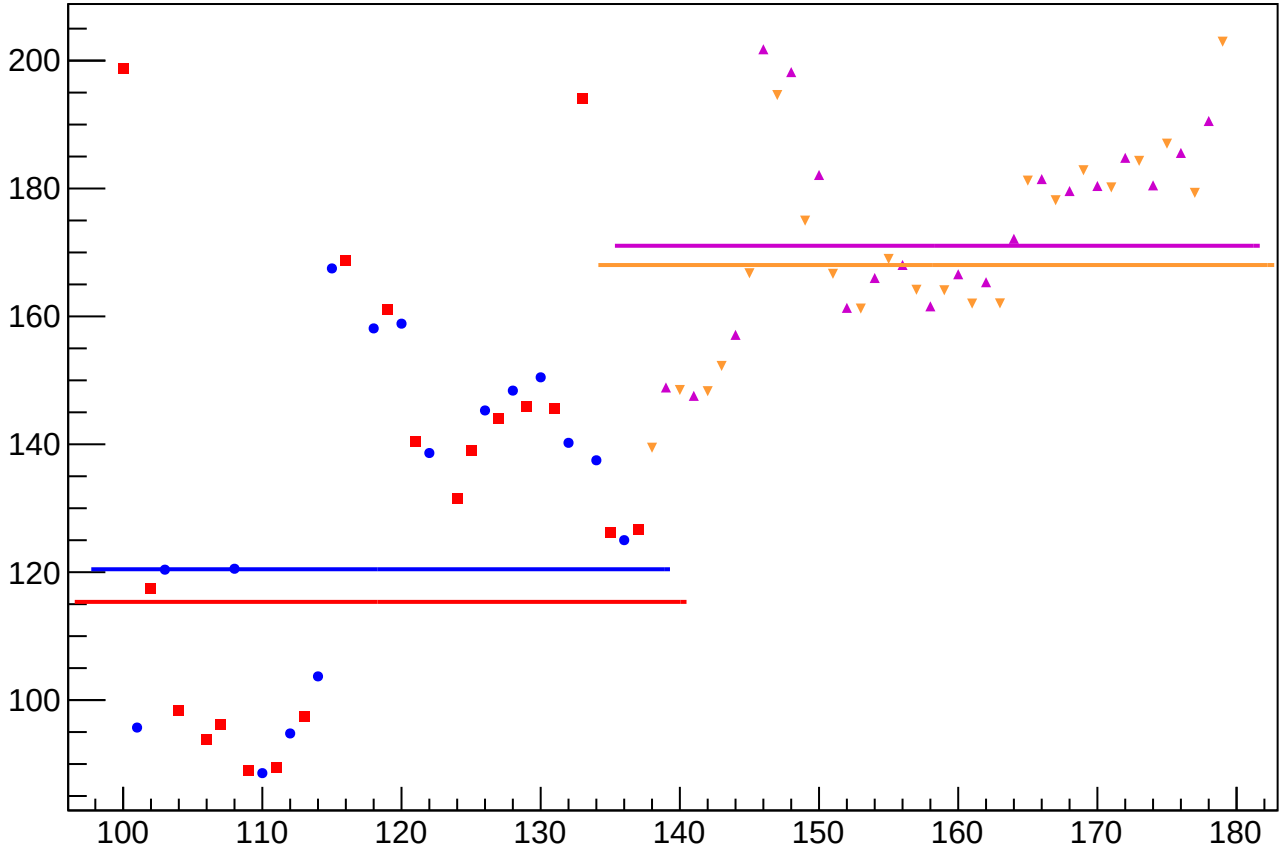
In: 756.722+/-0.122 χ^2/NDF:8398039.3/35

Out: 779.196+/-0.120 χ^2/NDF:7473578.1/40

All: 768.122+/-0.086 χ^2/NDF: 15888870.8/76


dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -22.678+/-45.908 χ²/NDF: 24.2/15
Left Out: 316.458+/-40.395 χ²/NDF:21.7/21
Right Out: 1.600+/-43.563 χ²/NDF: 14.3/18
Left In: 311.741+/-42.517 χ²/NDF:21.4/19
Left: 314.220+/-29.285 χ²/NDF: 43.1/41
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 157.339+/-31.194 χ²/NDF:74.2/35
Out: 170.894+/-29.620 χ²/NDF:64.1/40
All: 164.467+/-21.479 χ²/NDF: 138.4/76

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 168.032+/-0.029 χ^2/NDF:283876.1/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 171.046+/-0.030 χ^2/NDF:243703.6/19

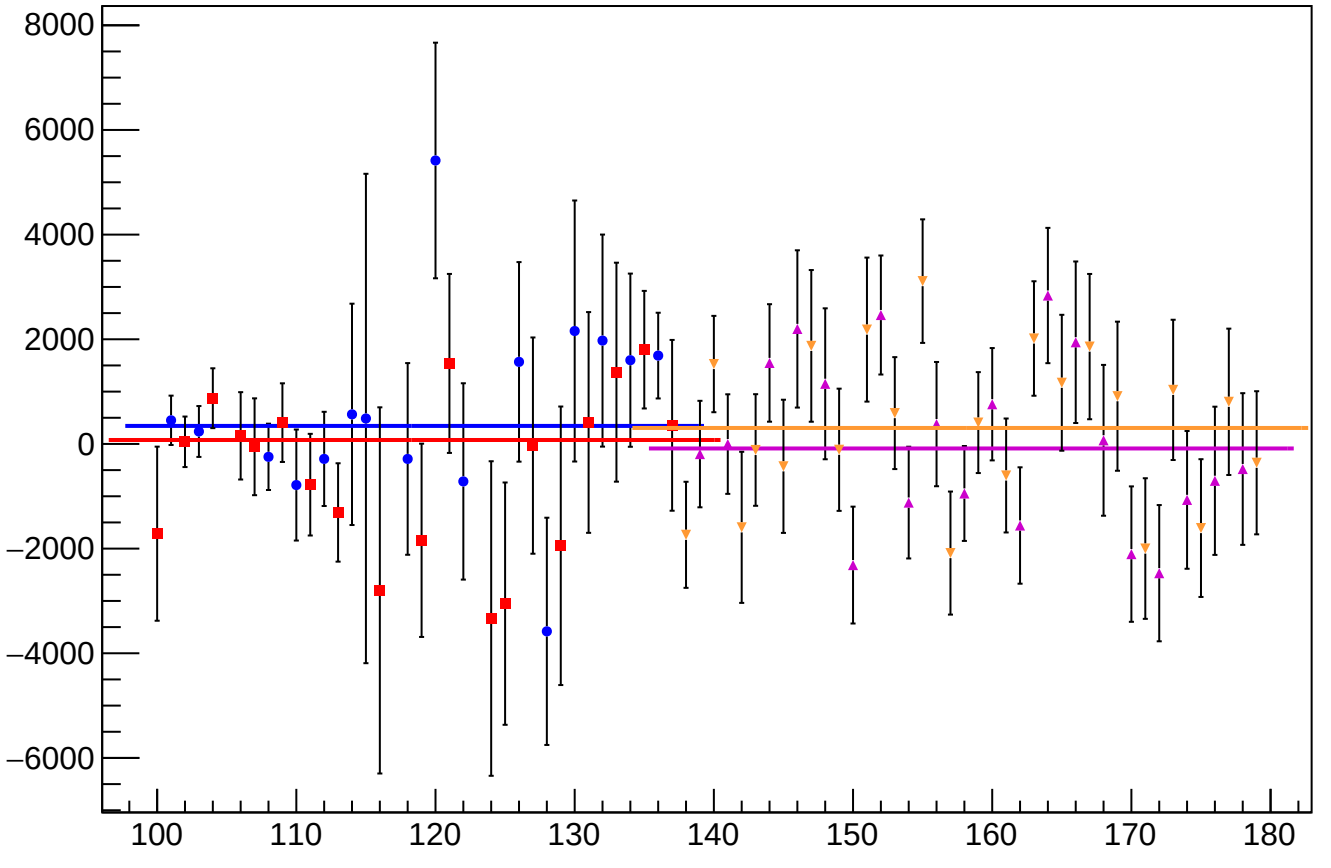
Left: 169.462+/-0.021 χ^2/NDF: 532862.5/41

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 147.690+/-0.022 χ^2/NDF:2081308.1/35

Out: 143.680+/-0.021 χ^2/NDF:2623408.4/40

All: 145.581+/-0.015 χ^2/NDF: 4722097.4/76



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 305.365+/-255.849 χ^2/NDF:31.8/21

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -86.575+/-266.480 χ^2/NDF:32.0/19

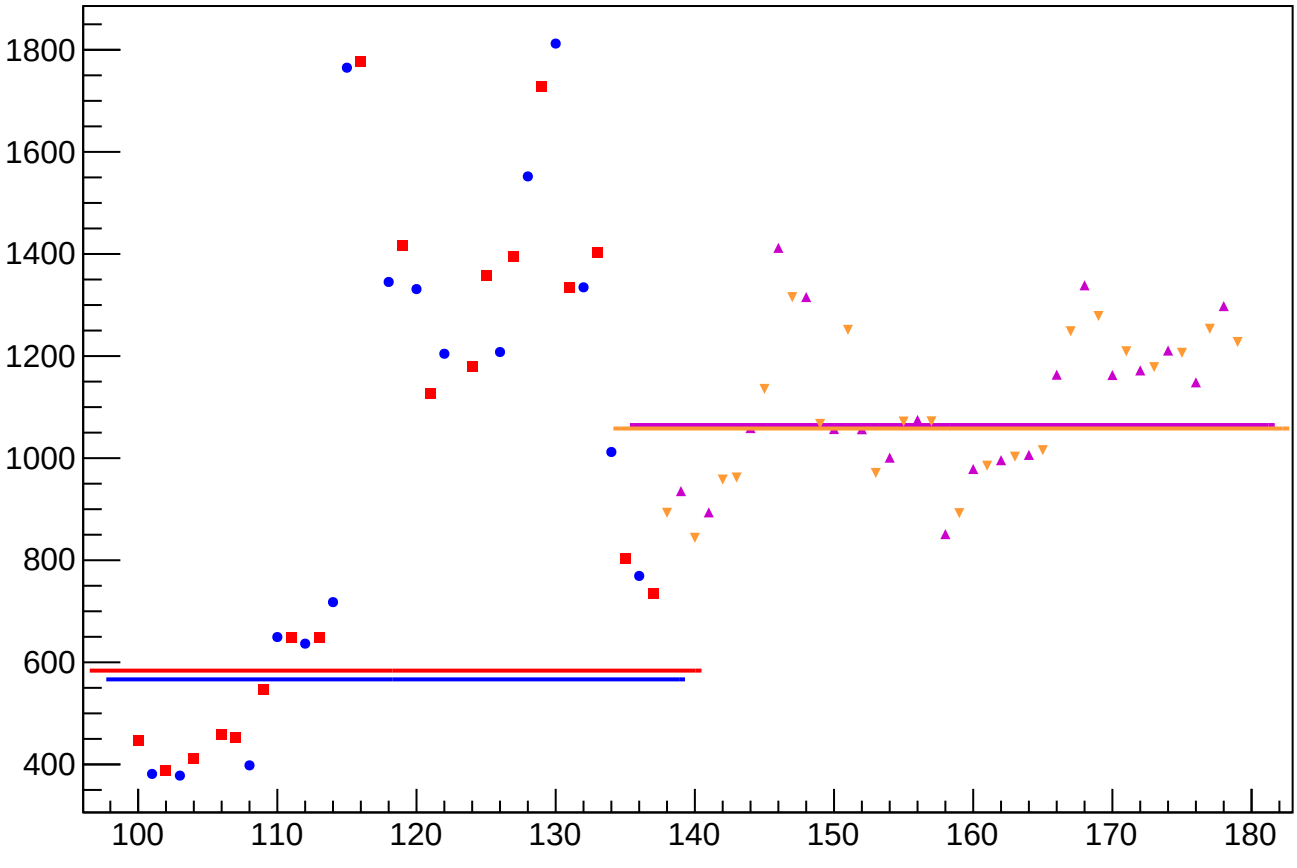
Left: 117.369+/-184.556 χ^2/NDF: 64.9/41

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 150.047+/-178.960 χ^2/NDF:49.7/35

Out: 183.286+/-175.226 χ^2/NDF:47.5/40

All: 167.017+/-125.203 χ^2/NDF: 97.2/76



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1058.080+/-0.181 χ^2/NDF:608524.2/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1064.919+/-0.188 χ^2/NDF:596090.6/19

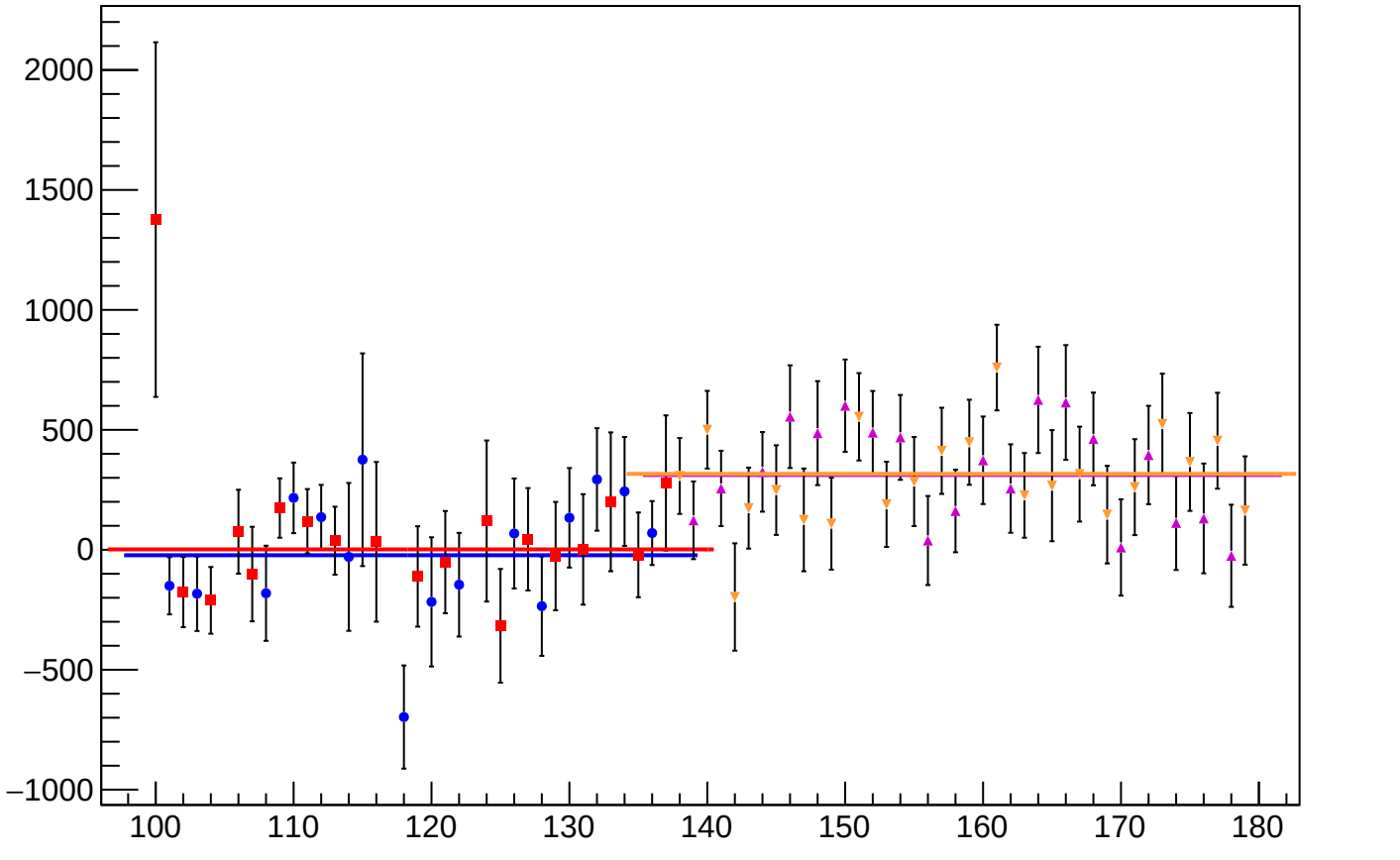
Left: 1061.361+/-0.131 χ^2/NDF: 1205300.2/41

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

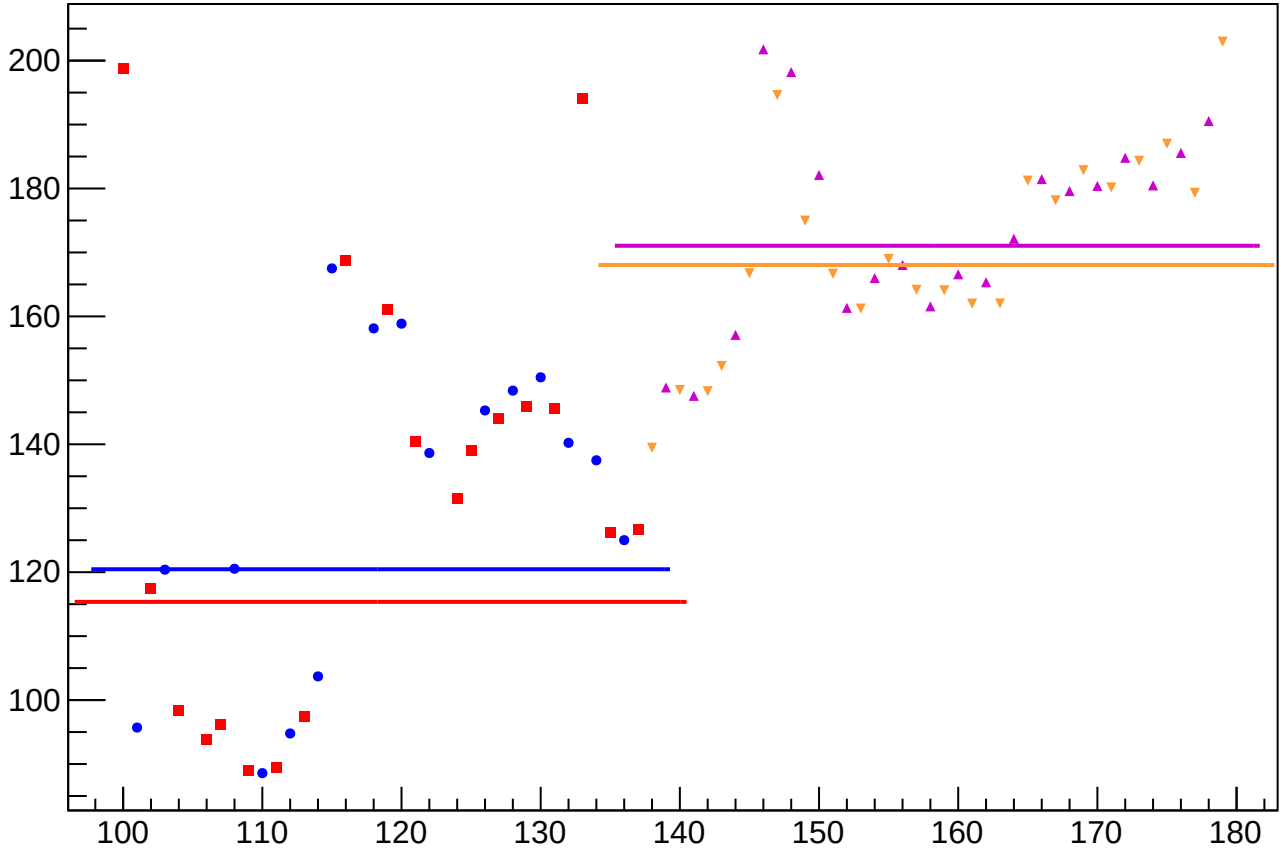
In: 791.348+/-0.127 χ^2/NDF:7868046.1/35

Out: 806.264+/-0.124 χ^2/NDF:7365146.5/40

All: 798.963+/-0.089 χ^2/NDF: 15240285.7/76


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 316.459+/-40.395 χ²/NDF:21.7/21
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 311.741+/-42.517 χ²/NDF:21.4/19
Left: 314.221+/-29.285 χ²/NDF: 43.1/41
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 157.338+/-31.194 χ²/NDF:74.2/35
Out: 170.895+/-29.620 χ²/NDF:64.1/40
All: 164.467+/-21.479 χ²/NDF: 138.4/76

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 168.032+/-0.029 χ^2/NDF:283875.8/21

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 171.046+/-0.030 χ^2/NDF:243703.9/19

Left: 169.462+/-0.021 χ^2/NDF: 532862.6/41

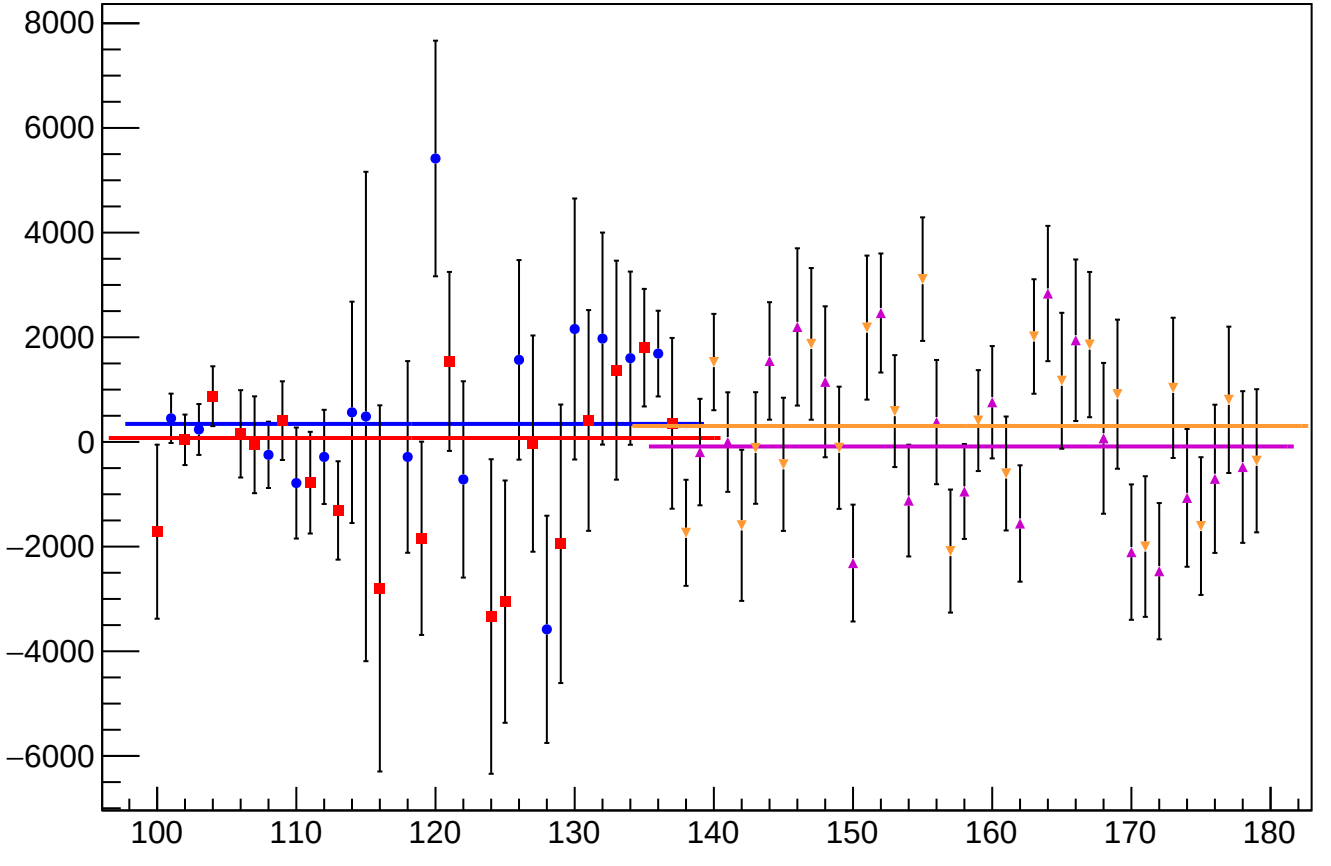
Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 147.689+/-0.022 χ^2/NDF:2081319.9/35

Out: 143.679+/-0.021 χ^2/NDF:2623411.2/40

All: 145.581+/-0.015 χ^2/NDF: 4722111.7/76

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 305.367+/-255.849 χ^2/NDF:31.8/21

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -86.575+/-266.480 χ^2/NDF:32.0/19

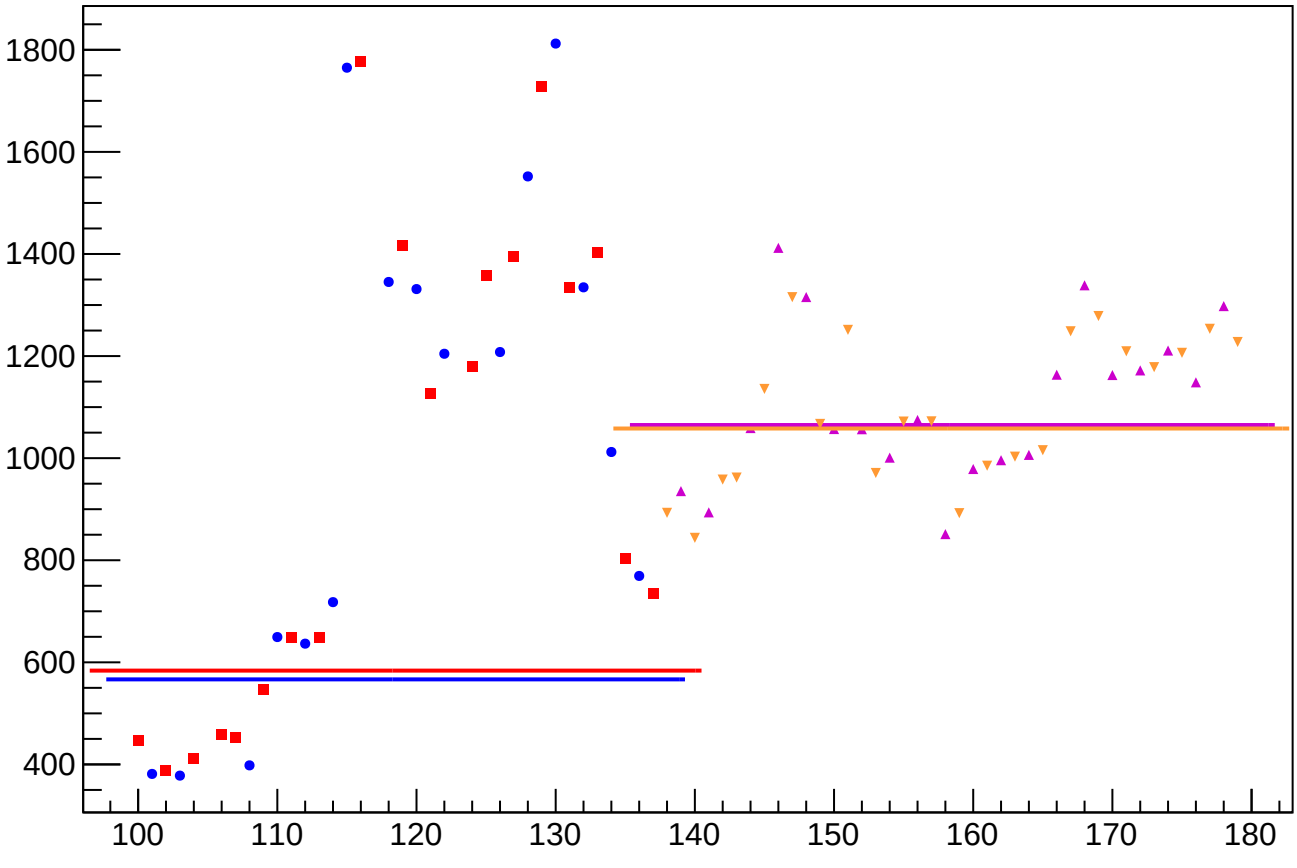
Left: 117.369+/-184.556 χ^2/NDF: 64.9/41

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 150.046+/-178.960 χ^2/NDF:49.7/35

Out: 183.287+/-175.226 χ^2/NDF:47.5/40

All: 167.017+/-125.203 χ^2/NDF: 97.2/76



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1058.080+/-0.181 χ^2/NDF:608529.3/21

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1064.919+/-0.188 χ^2/NDF:596094.5/19

Left: 1061.361+/-0.131 χ^2/NDF: 1205309.2/41

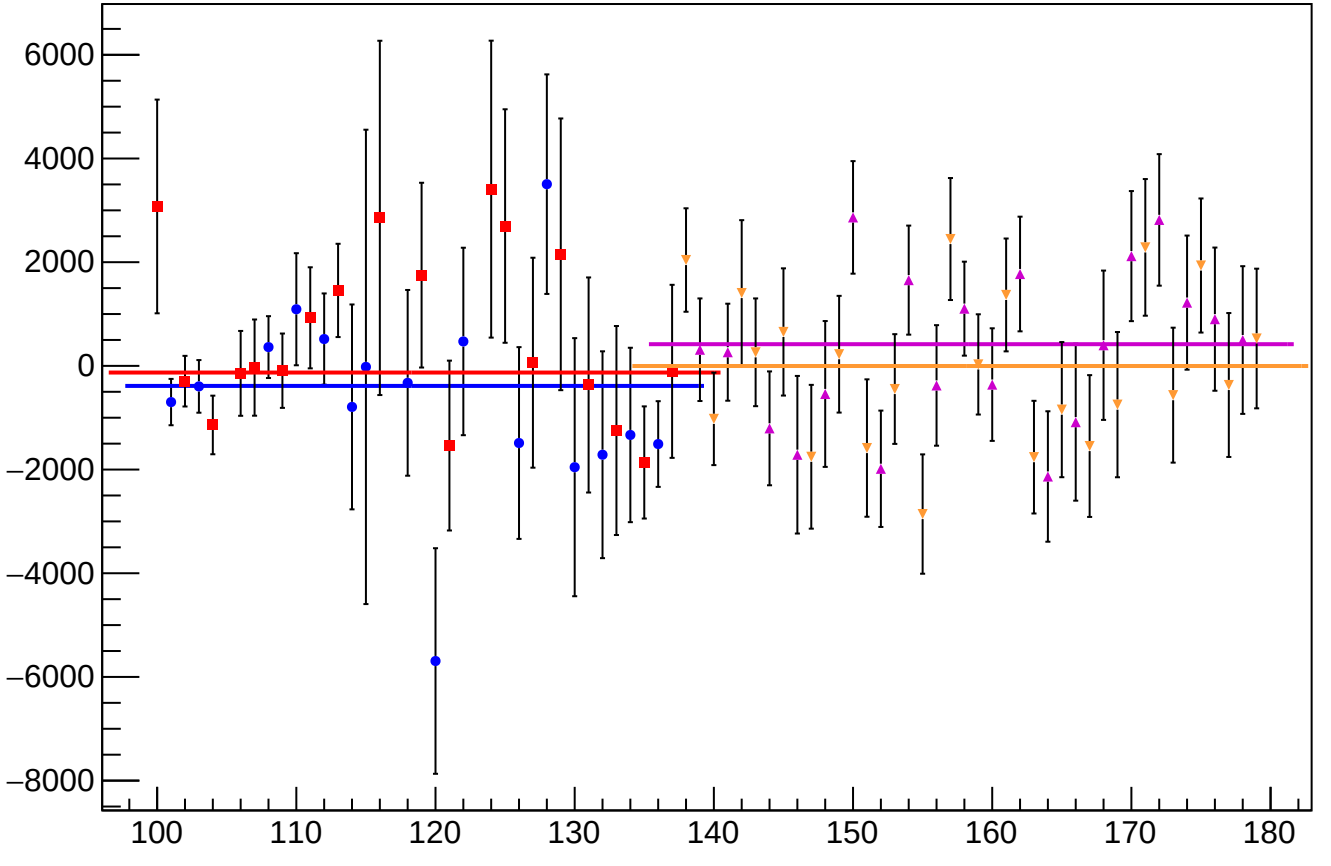
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 791.348+/-0.127 χ^2/NDF:7868068.4/35

Out: 806.264+/-0.124 χ^2/NDF:7365163.8/40

All: 798.963+/-0.089 χ^2/NDF: 15240325.5/76

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -2.647+/-251.313 χ^2/NDF:32.4/21

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 418.297+/-262.412 χ^2/NDF:29.8/19

Left: 198.736+/-181.502 χ^2/NDF: 63.5/41

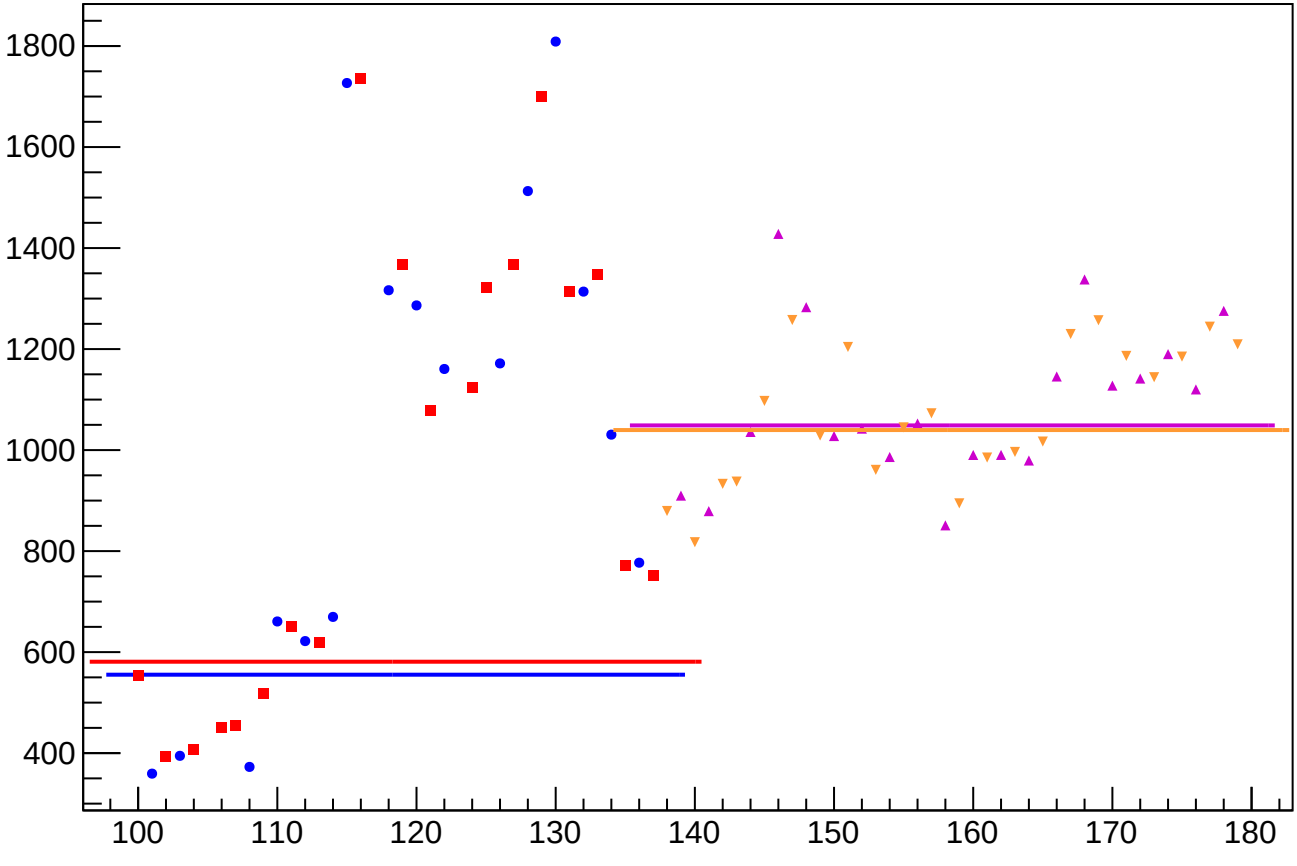
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -24.078+/-176.098 χ^2/NDF:52.9/35

Out: -68.975+/-172.898 χ^2/NDF:52.0/40

All: -46.938+/-123.373 χ^2/NDF: 104.9/76

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1039.670+/-0.178 χ^2/NDF:582808.8/21

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1048.870+/-0.186 χ^2/NDF:593313.8/19

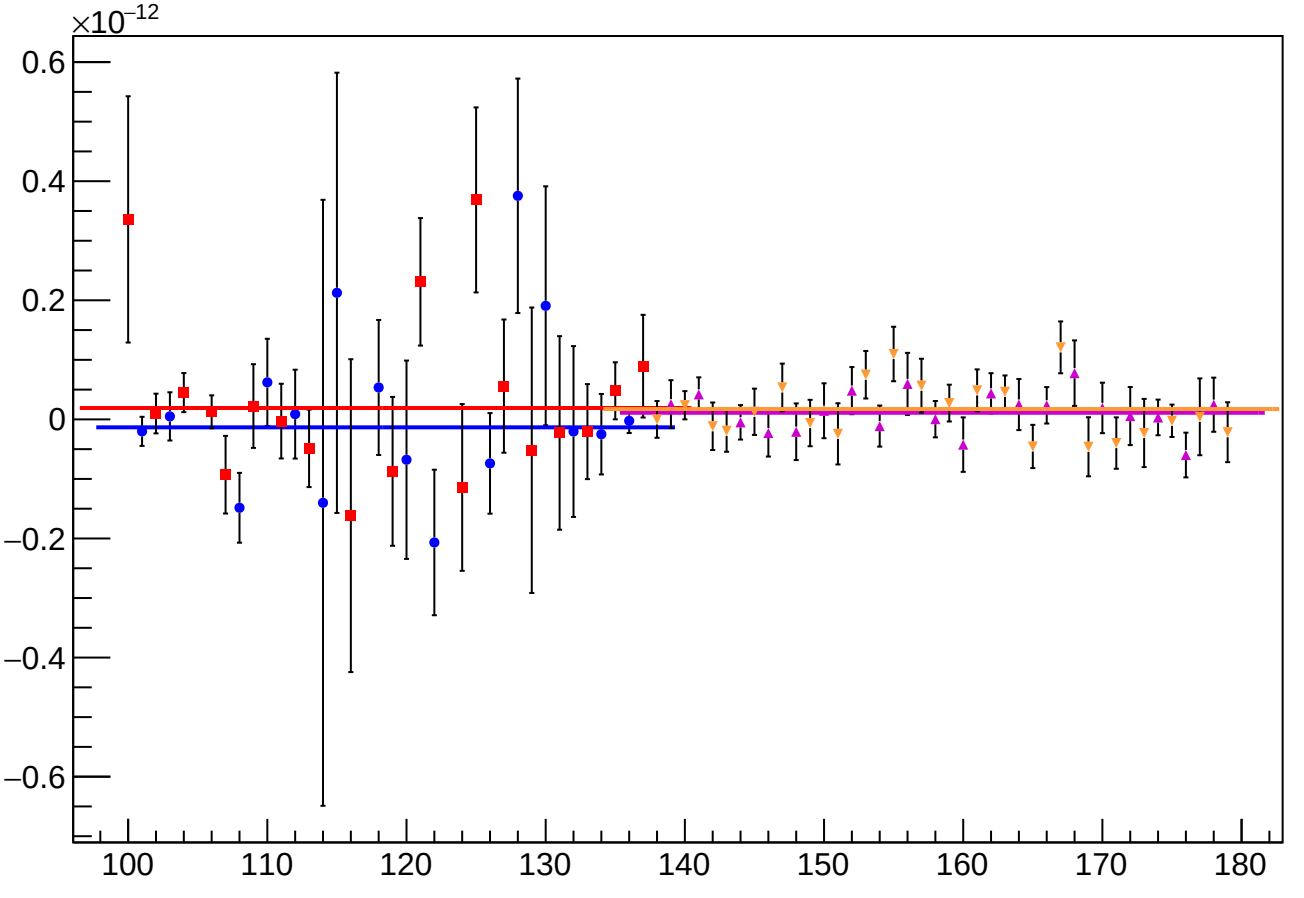
Left: 1044.071+/-0.128 χ^2/NDF: 1177404.7/41

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 777.571+/-0.125 χ^2/NDF:7965105.0/35

Out: 798.094+/-0.122 χ^2/NDF:7075168.9/40

All: 788.021+/-0.087 χ^2/NDF: 15054104.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/19

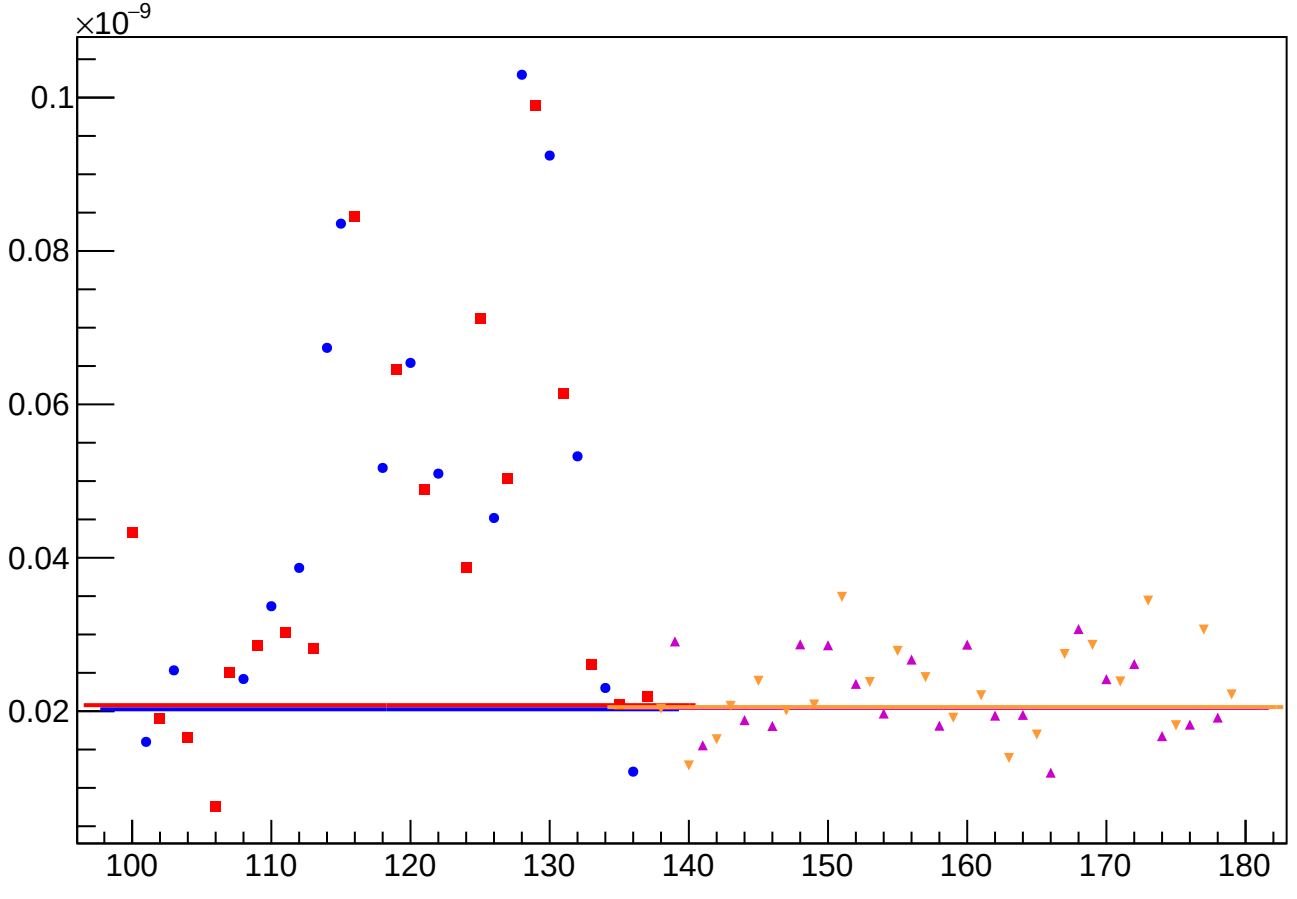
Left: 0.000+/-0.000 χ^2/NDF: 39.7/41

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:31.3/35

Out: 0.000+/-0.000 χ^2/NDF:46.4/40

All: 0.000+/-0.000 χ^2/NDF: 79.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:923418.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:713438.9/19

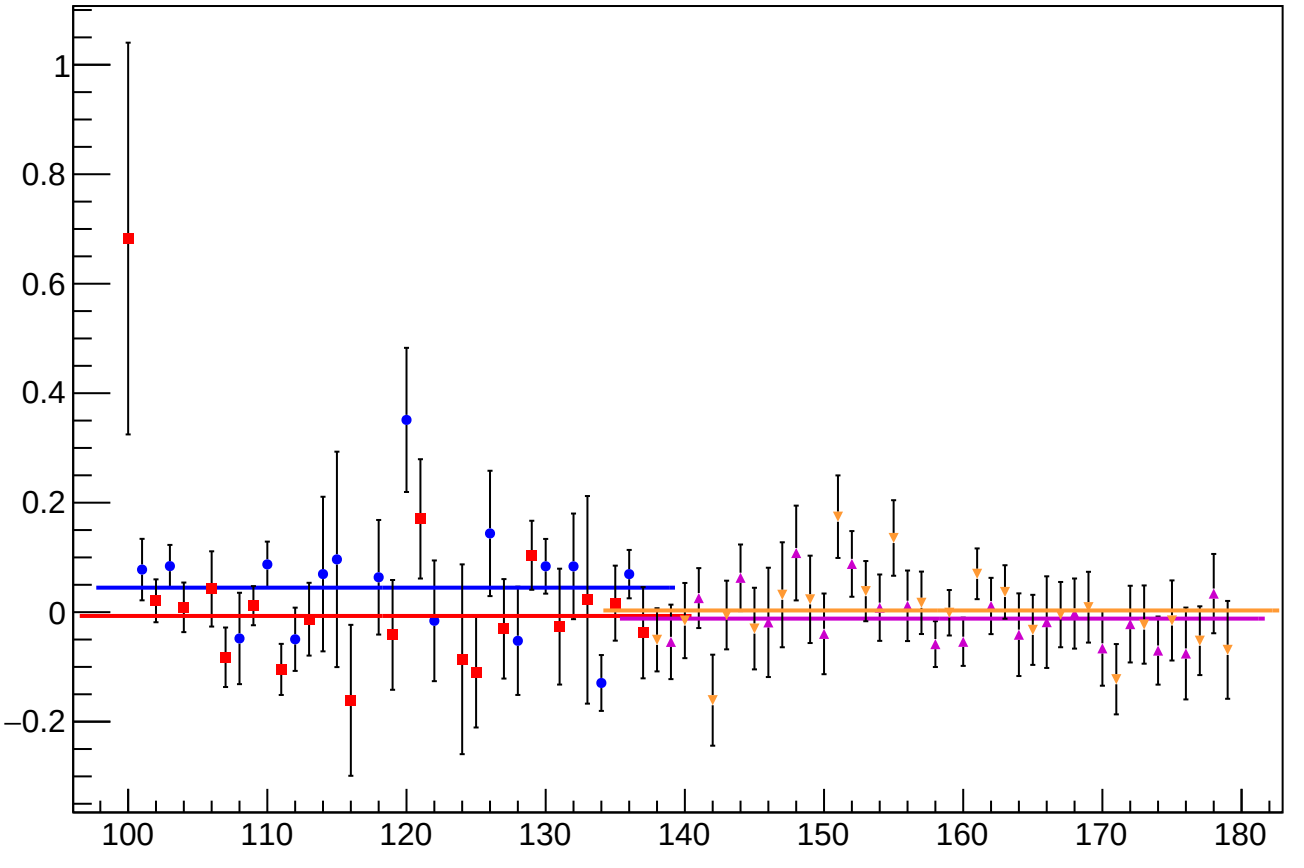
Left: 0.000+/-0.000 χ^2/NDF: 1637045.3/41

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2718379.3/35

Out: 0.000+/-0.000 χ^2/NDF:2779800.0/40

All: 0.000+/-0.000 χ^2/NDF: 5499238.5/76



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.014 χ^2/NDF:12.5/19

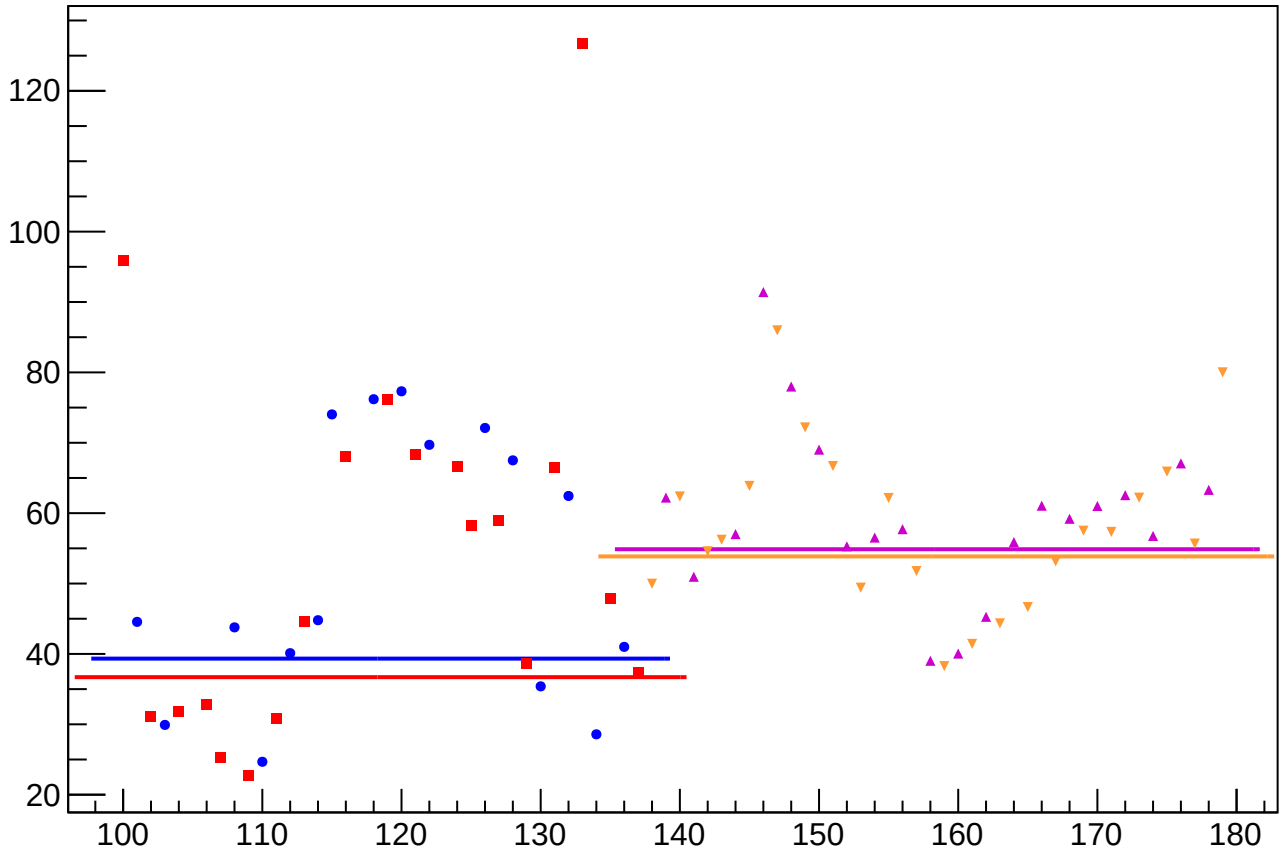
Left: -0.004+/-0.010 χ^2/NDF: 35.9/41

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.005+/-0.007 χ^2/NDF: 90.3/76



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.874+/-0.010 χ^2/NDF:1240346.4/19

Left: 54.338+/-0.007 χ^2/NDF: 2551000.1/41

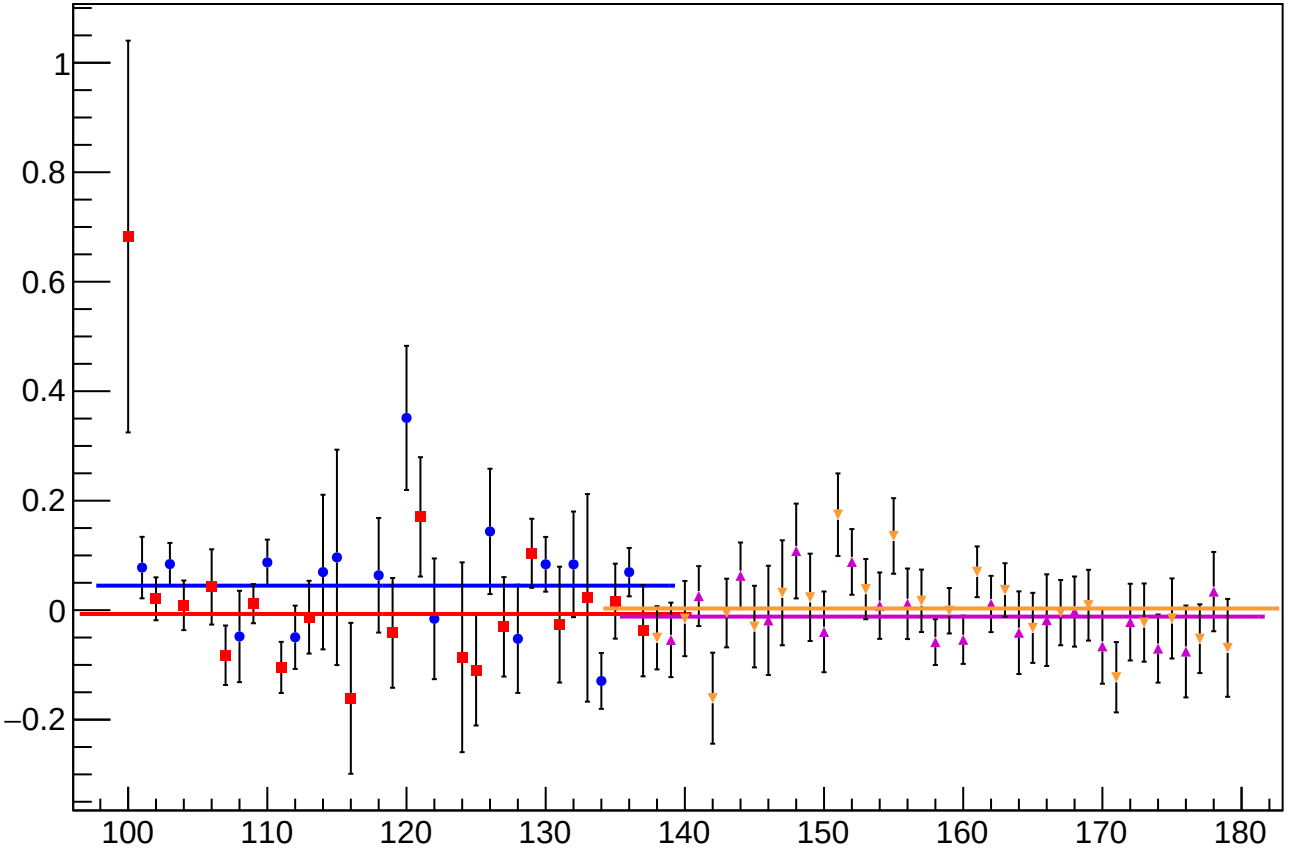
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.118+/-0.007 χ^2/NDF:3870277.1/35

Out: 46.335+/-0.007 χ^2/NDF:4849632.9/40

All: 47.178+/-0.005 χ^2/NDF: 8749929.5/76

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.014 χ^2/NDF:12.5/19

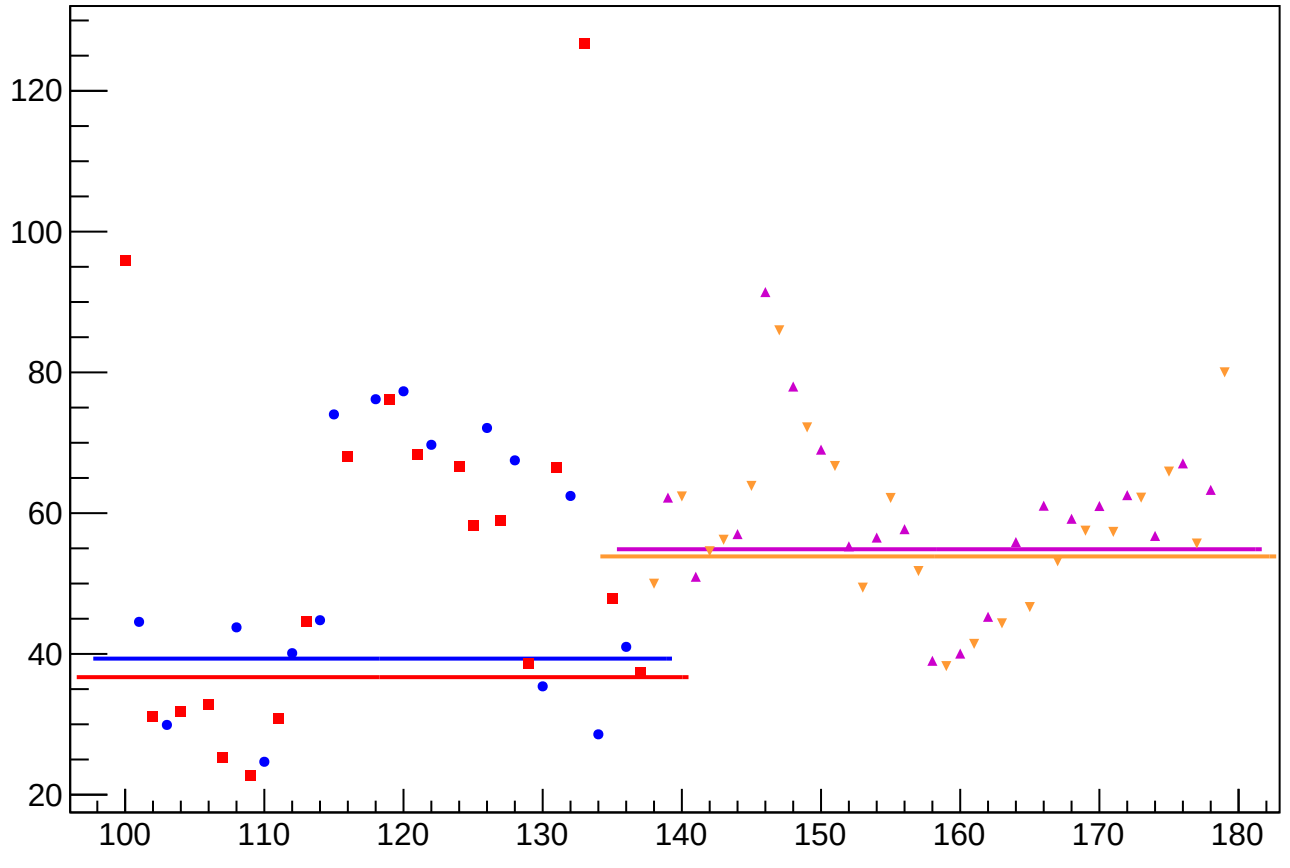
Left: -0.004+/-0.010 χ^2/NDF: 35.9/41

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.005+/-0.007 χ^2/NDF: 90.3/76



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.854+/-0.009 χ^2/NDF:1305111.6/21

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.874+/-0.010 χ^2/NDF:1240346.4/19

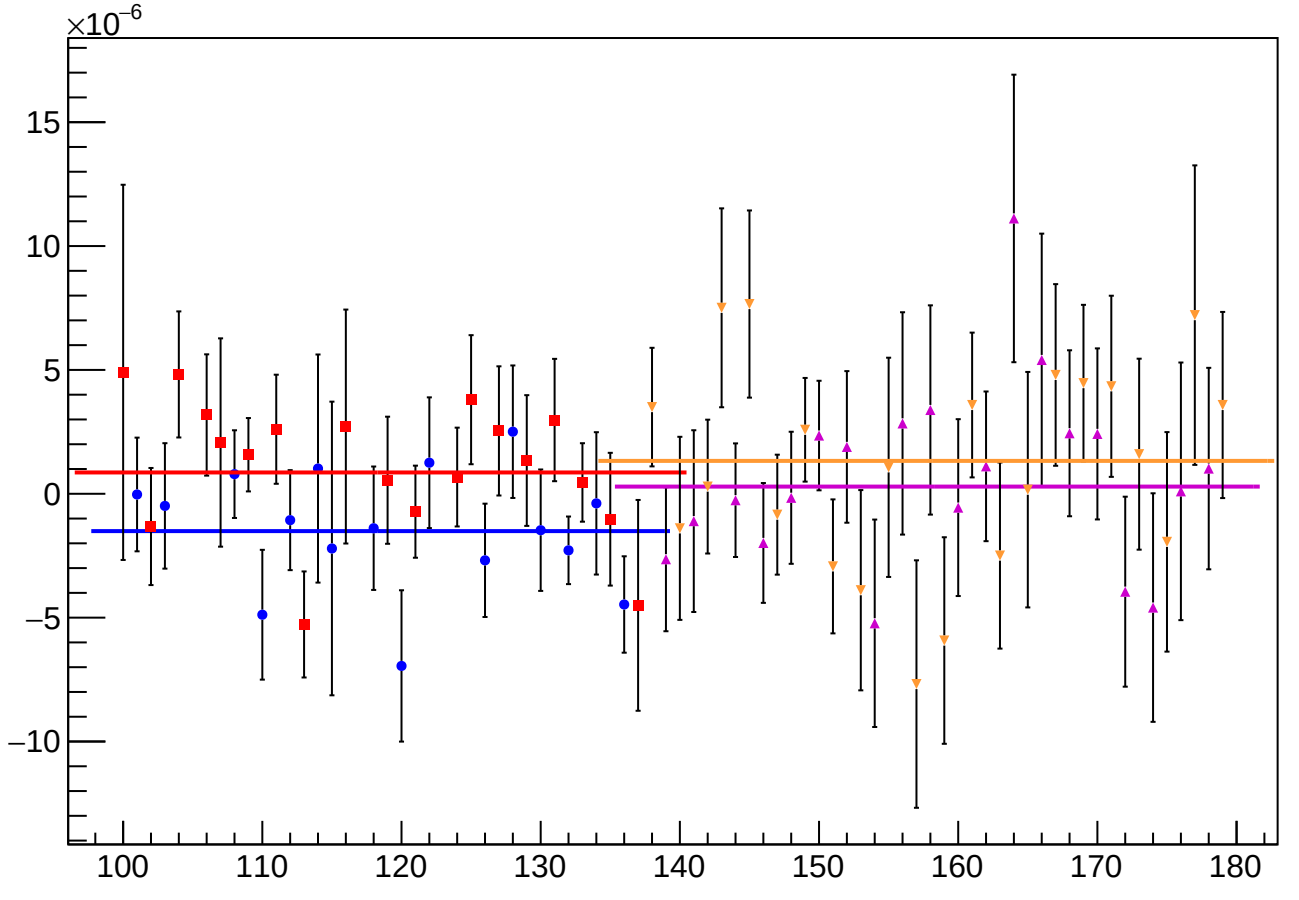
Left: 54.338+/-0.007 χ^2/NDF: 2551000.1/41

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.118+/-0.007 χ^2/NDF:3870277.1/35

Out: 46.335+/-0.007 χ^2/NDF:4849632.9/40

All: 47.178+/-0.005 χ^2/NDF: 8749929.5/76



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/19

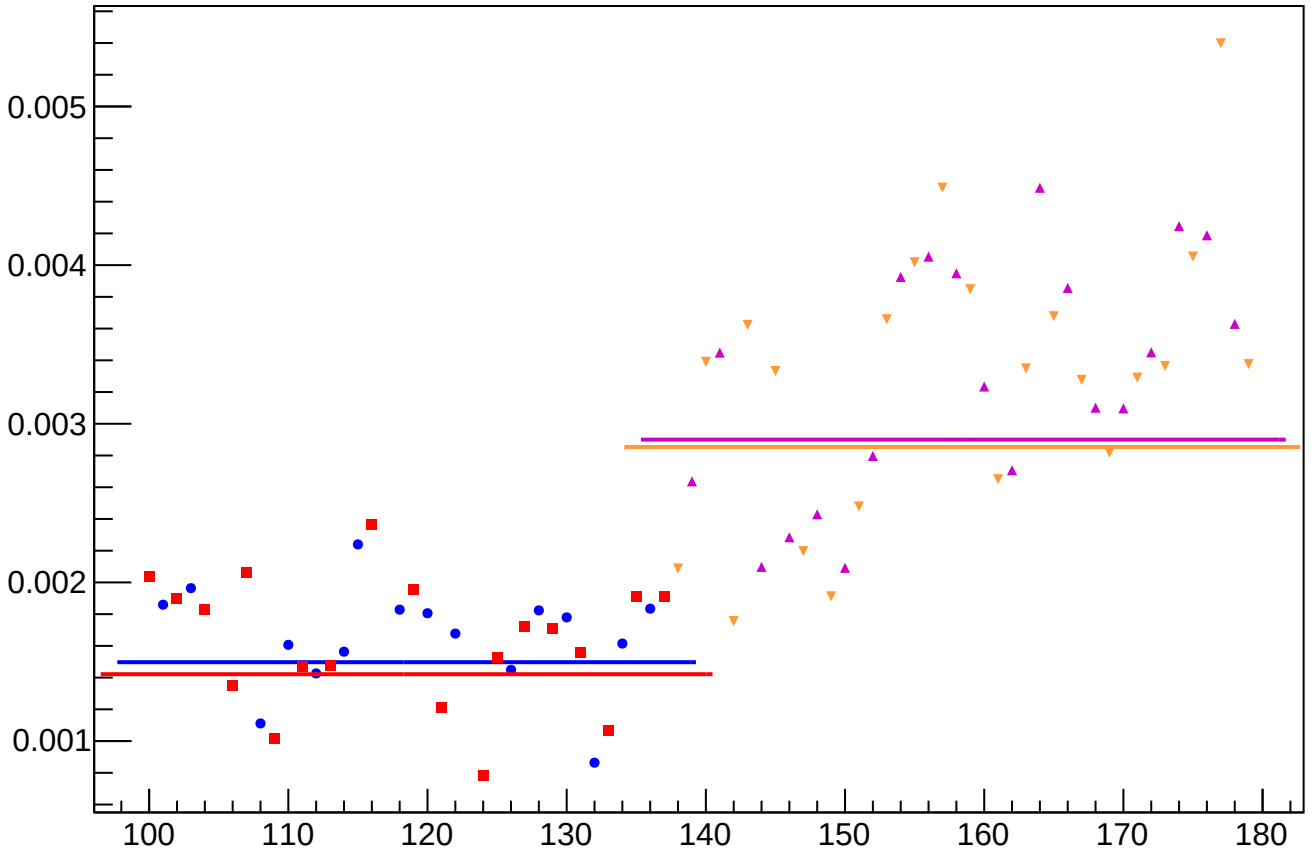
Left: 0.000+/-0.000 χ^2/NDF: 39.1/41

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:31.2/35

Out: 0.000+/-0.000 χ^2/NDF:43.8/40

All: 0.000+/-0.000 χ^2/NDF: 83.6/76



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2554130.7/21

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1800225.1/19

Left: 0.003+/-0.000 χ^2/NDF: 4358407.5/41

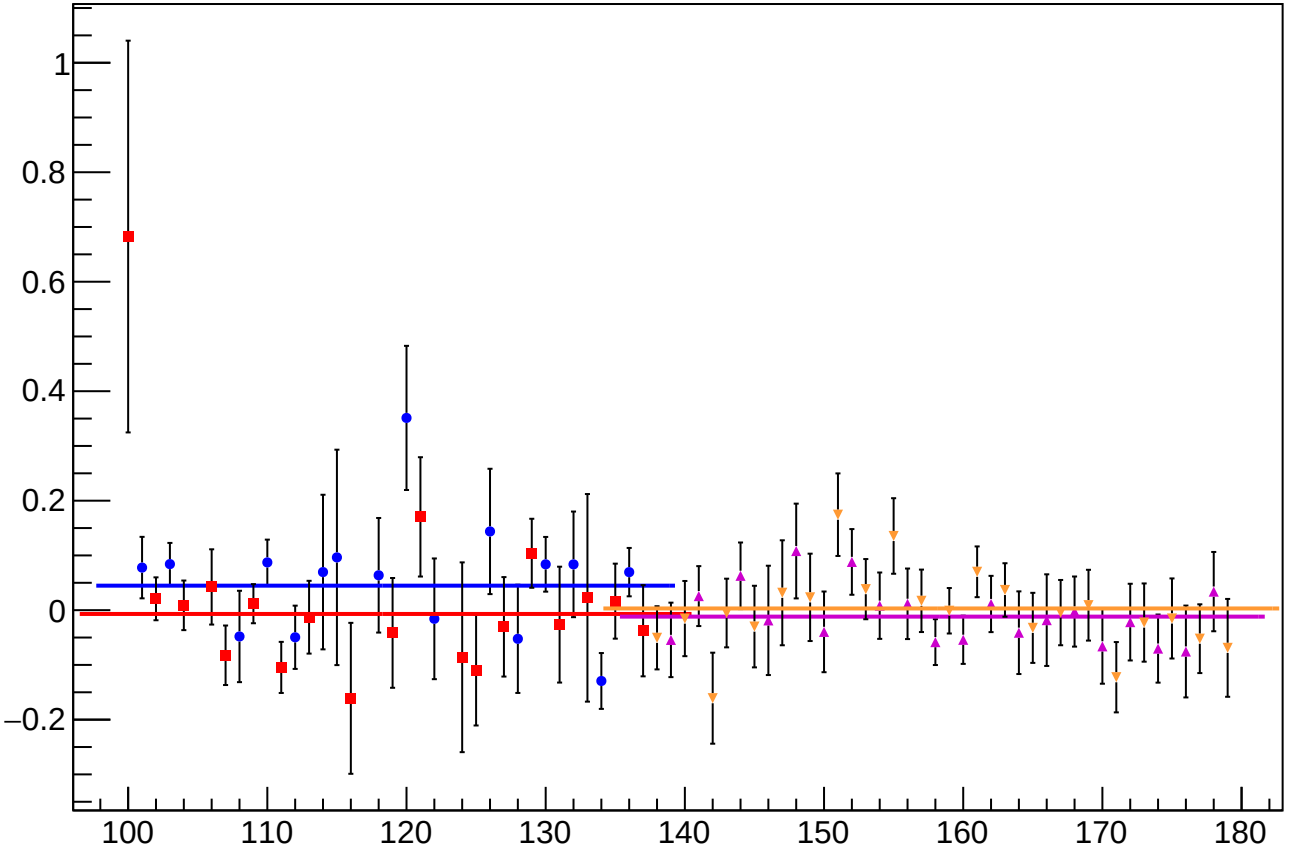
Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:7091269.3/35

Out: 0.002+/-0.000 χ^2/NDF:8647106.7/40

All: 0.002+/-0.000 χ^2/NDF: 15772843.3/76

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.014 χ^2/NDF:12.5/19

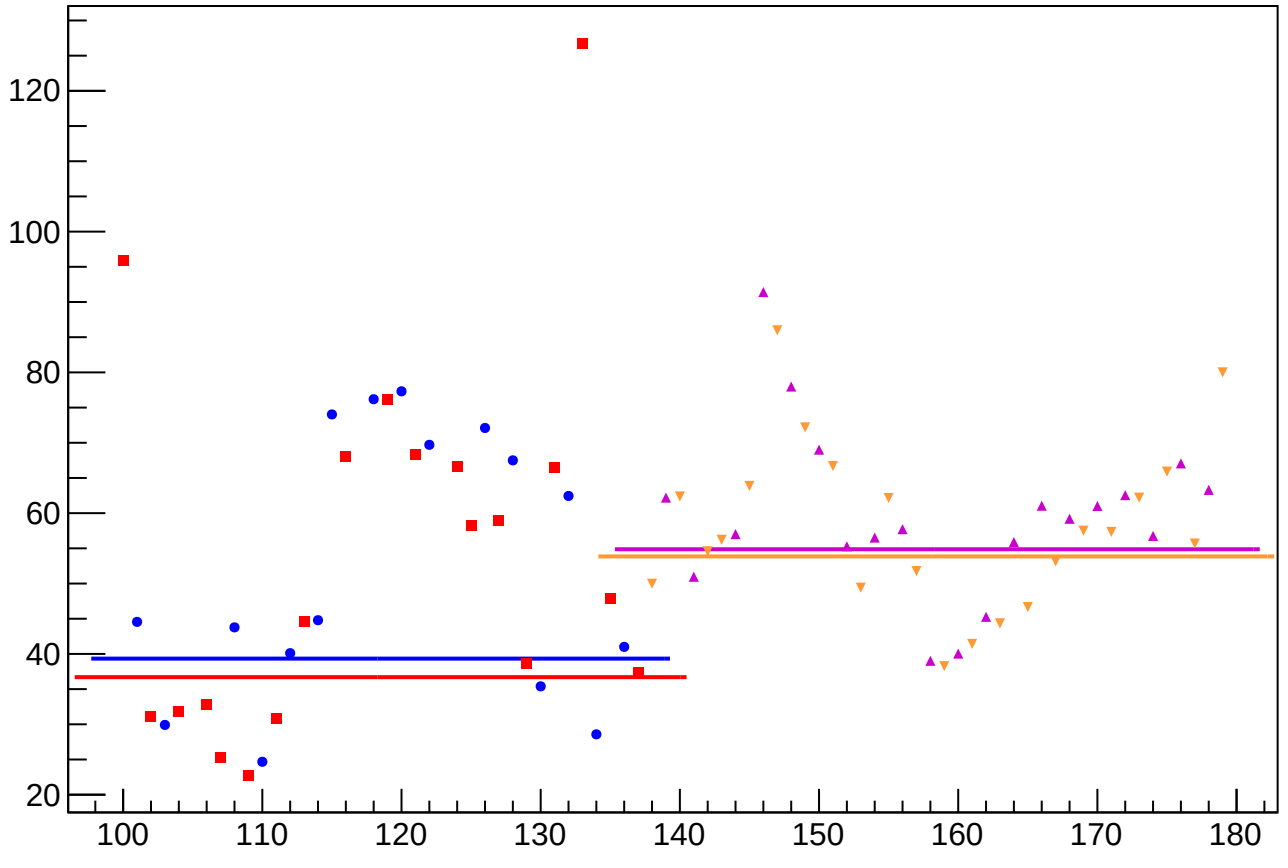
Left: -0.004+/-0.010 χ^2/NDF: 35.9/41

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.005+/-0.007 χ^2/NDF: 90.3/76



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.853+/-0.009 χ^2/NDF:1305211.0/21

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.873+/-0.010 χ^2/NDF:1240495.2/19

Left: 54.336+/-0.007 χ^2/NDF: 2551246.6/41

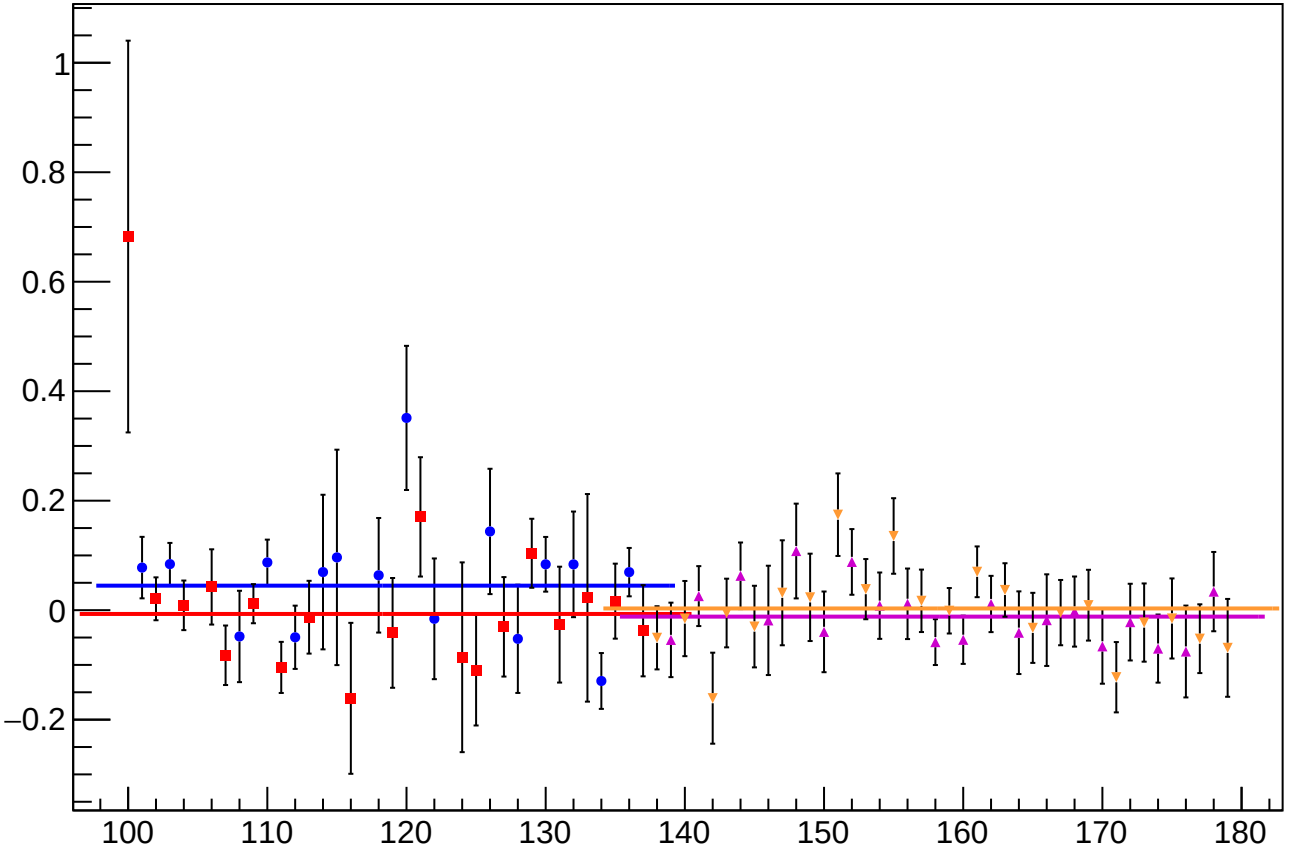
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.117+/-0.007 χ^2/NDF:3870389.0/35

Out: 46.335+/-0.007 χ^2/NDF:4849630.2/40

All: 47.177+/-0.005 χ^2/NDF: 8750031.2/76

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.003+/-0.013 χ^2/NDF:22.9/21

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.014 χ^2/NDF:12.5/19

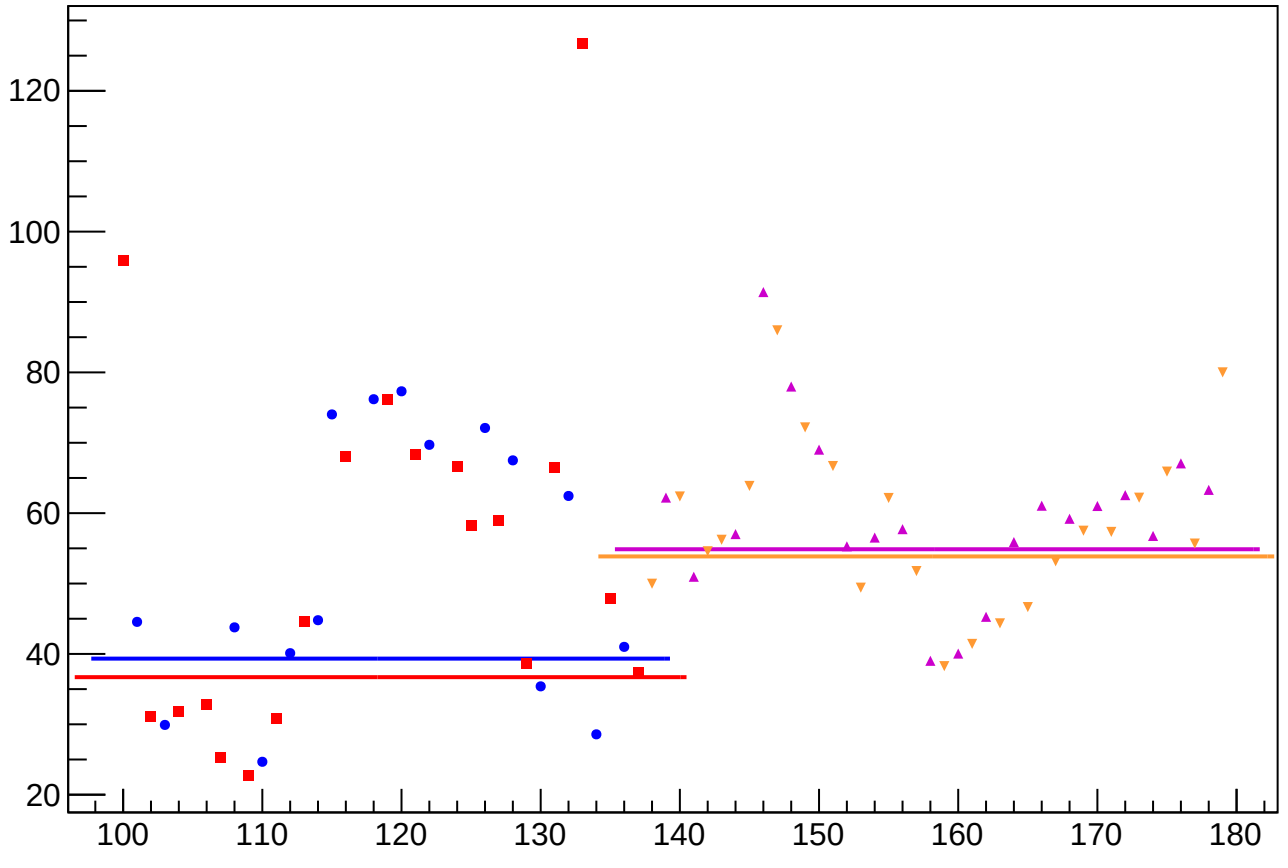
Left: -0.004+/-0.010 χ^2/NDF: 35.9/41

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.001+/-0.010 χ^2/NDF:43.3/40

All: 0.005+/-0.007 χ^2/NDF: 90.3/76



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.853+/-0.009 χ^2/NDF:1305211.0/21

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.873+/-0.010 χ^2/NDF:1240495.2/19

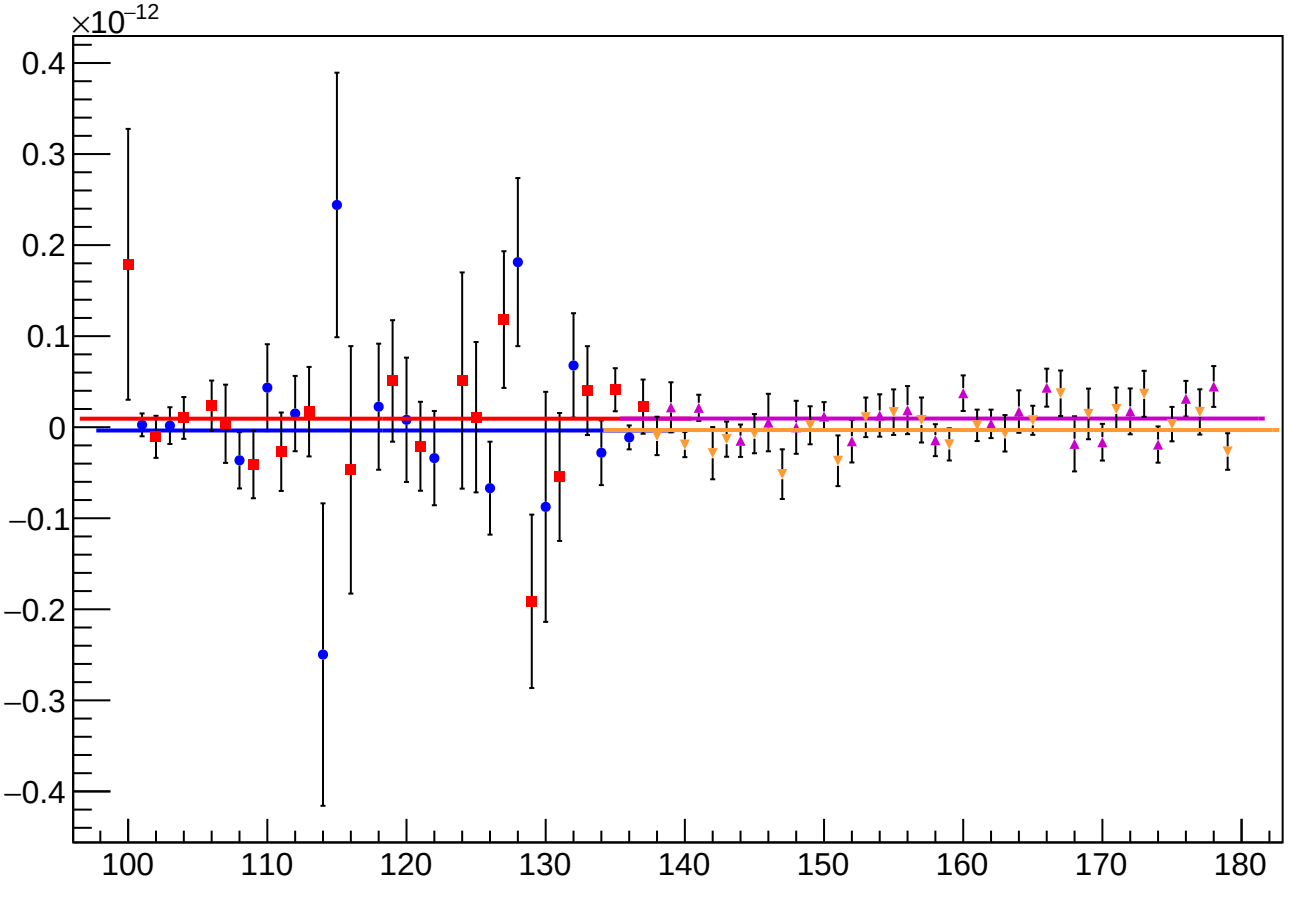
Left: 54.336+/-0.007 χ^2/NDF: 2551246.6/41

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.117+/-0.007 χ^2/NDF:3870389.0/35

Out: 46.335+/-0.007 χ^2/NDF:4849630.2/40

All: 47.177+/-0.005 χ^2/NDF: 8750031.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/19

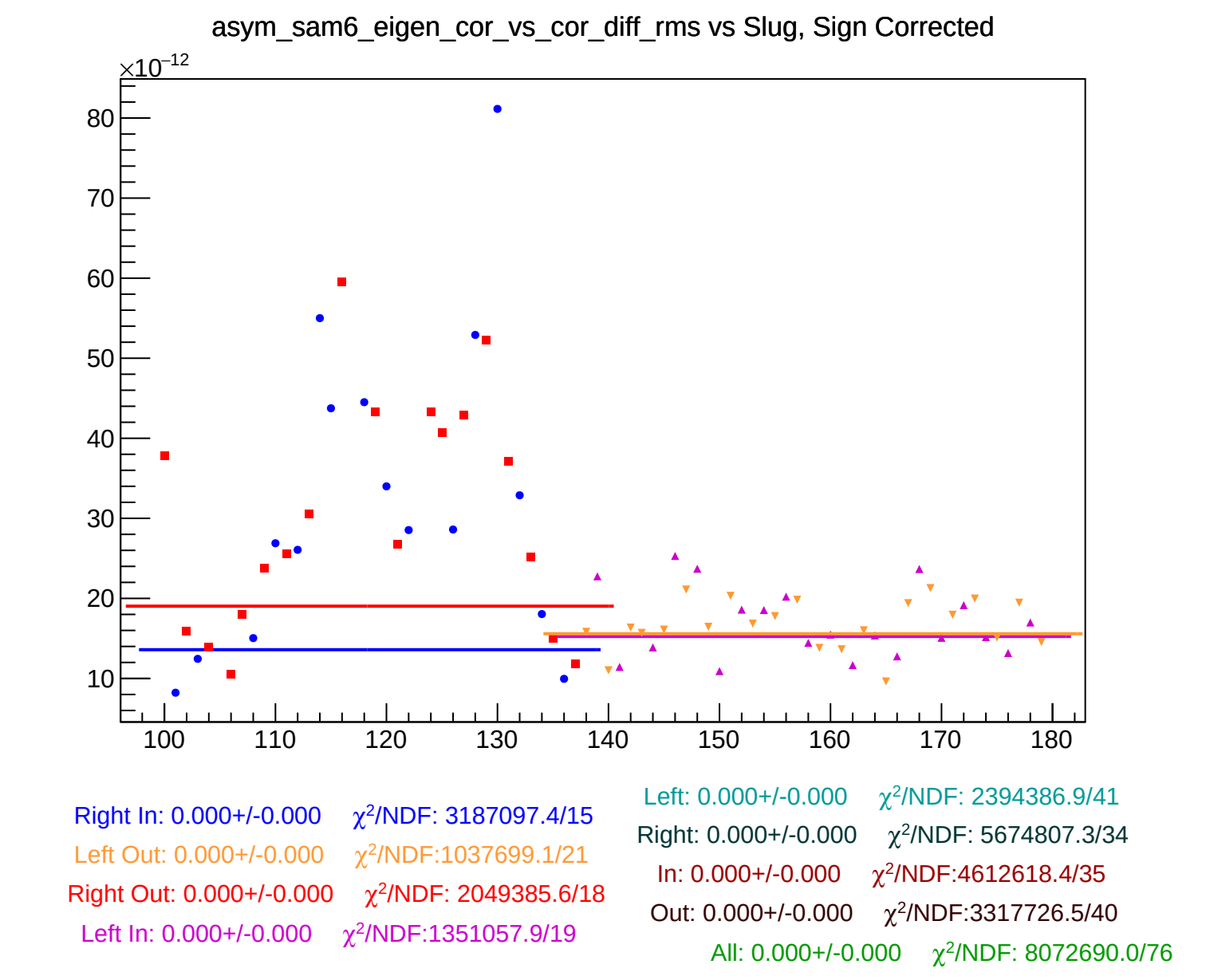
Left: 0.000+/-0.000 χ^2/NDF: 41.5/41

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

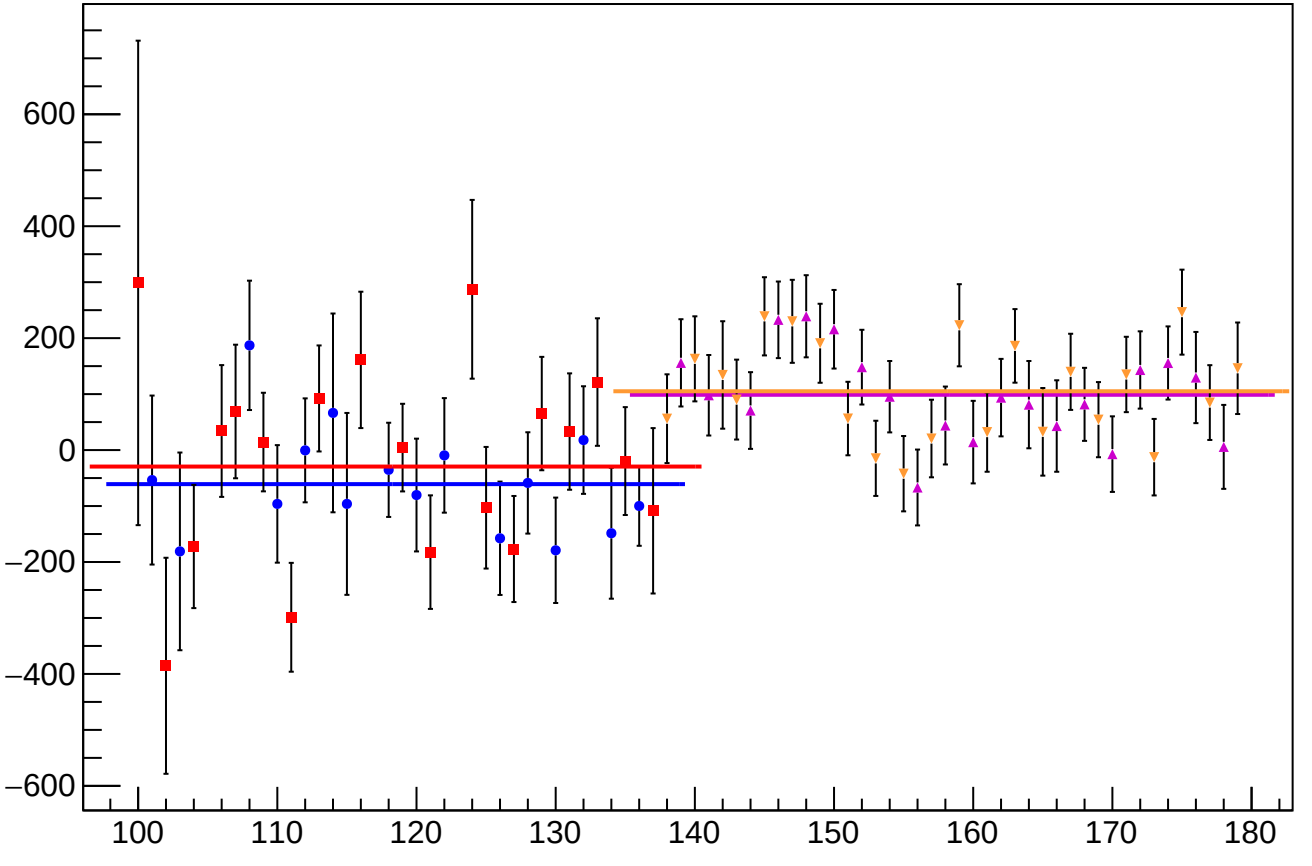
In: 0.000+/-0.000 χ^2/NDF:38.2/35

Out: -0.000+/-0.000 χ^2/NDF:35.7/40

All: 0.000+/-0.000 χ^2/NDF: 75.2/76


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1037699.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1351057.9/19
Left: 0.000+/-0.000 χ²/NDF: 2394386.9/41
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4612618.4/35
Out: 0.000+/-0.000 χ²/NDF:3317726.5/40
All: 0.000+/-0.000 χ²/NDF: 8072690.0/76

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 98.798+/-15.812 χ^2/NDF:25.3/19

Left: 102.058+/-10.973 χ^2/NDF: 58.3/41

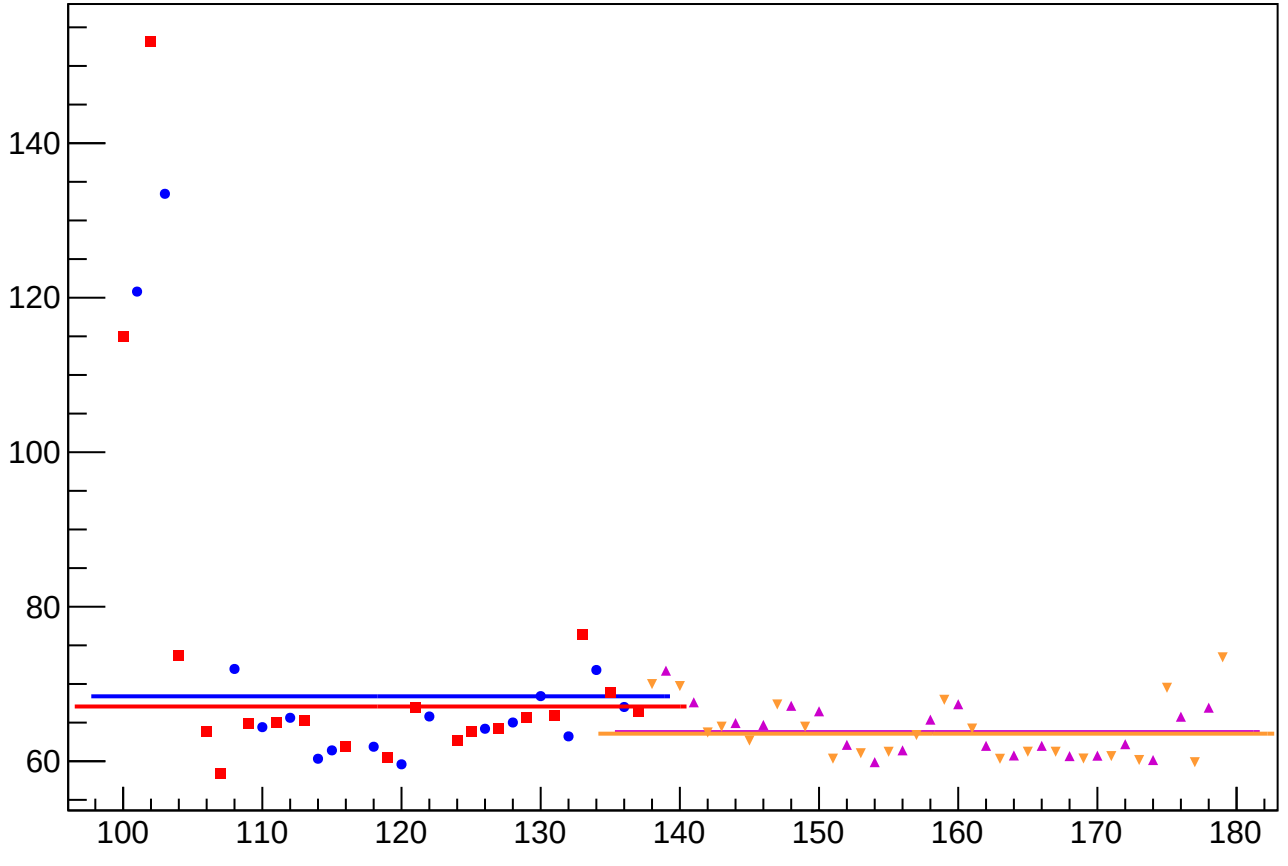
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 55.824+/-13.517 χ^2/NDF:63.3/35

Out: 68.862+/-13.027 χ^2/NDF:85.1/40

All: 62.584+/-9.380 χ^2/NDF: 148.9/76

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

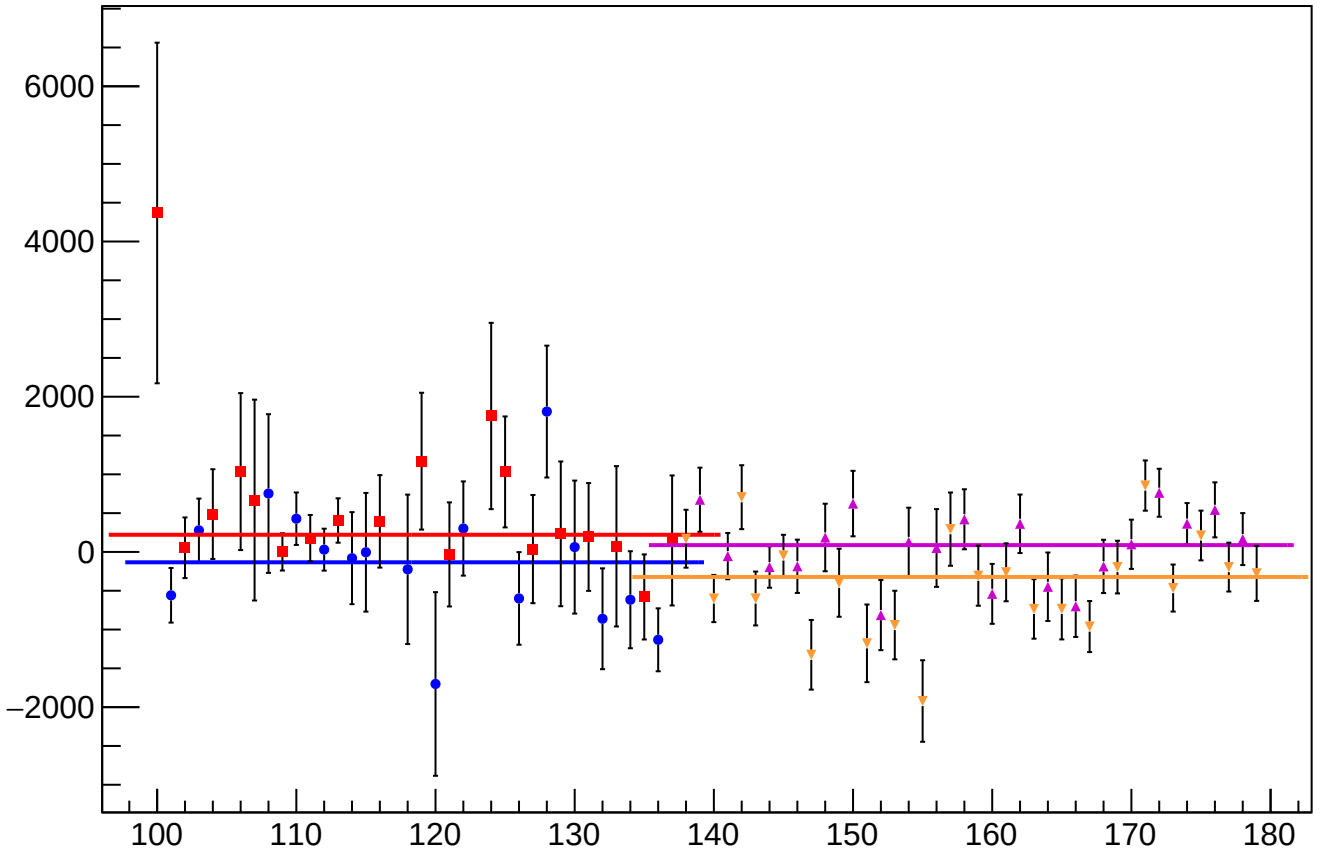
Left: 63.666+/-0.008 χ^2/NDF: 197440.9/41

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.018+/-0.010 χ^2/NDF:693248.2/35

Out: 64.515+/-0.009 χ^2/NDF:630297.6/40

All: 64.757+/-0.007 χ^2/NDF: 1324980.1/76



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 87.772+/-79.916 χ^2/NDF:27.2/19

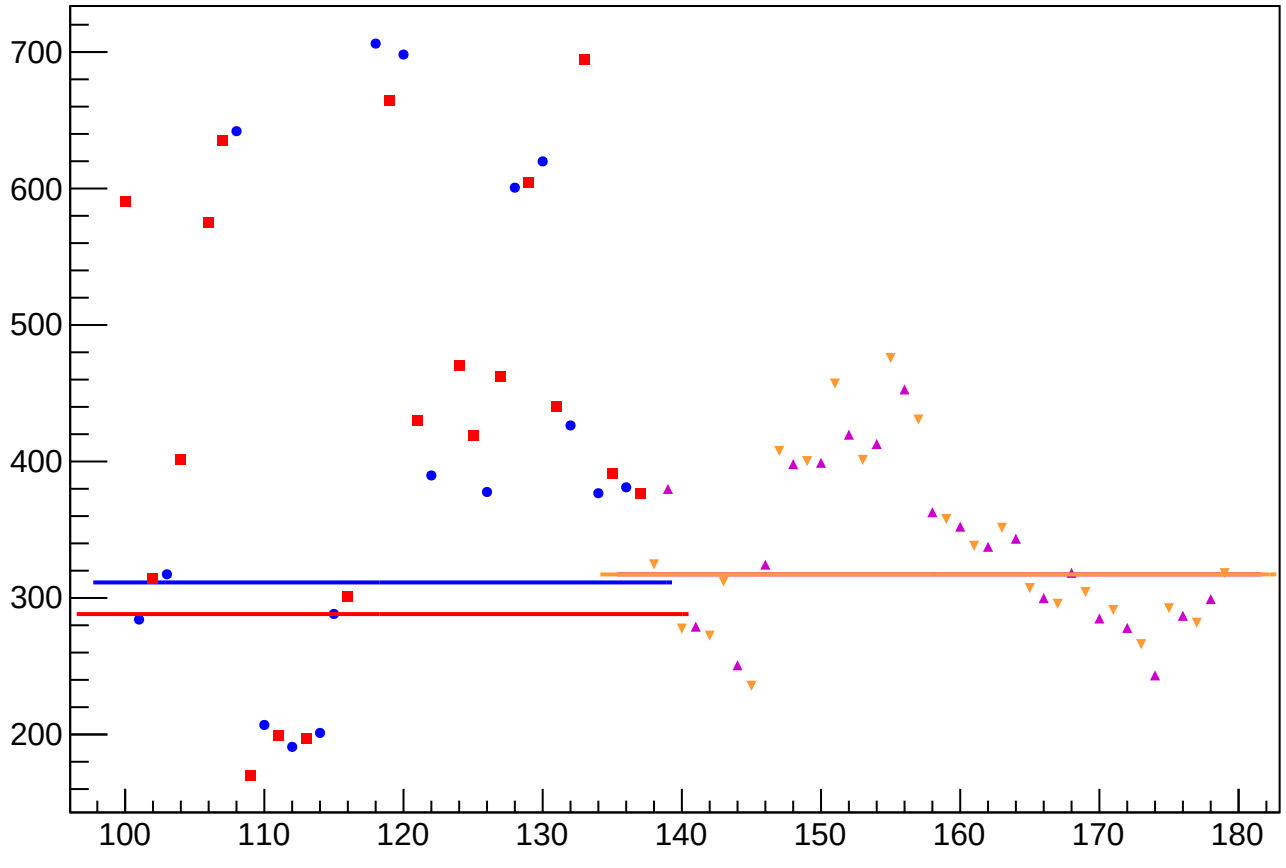
Left: -123.816+/-55.596 χ^2/NDF: 94.8/41

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 24.199+/-67.472 χ^2/NDF:51.9/35

Out: -158.333+/-64.679 χ^2/NDF:81.4/40

All: -70.922+/-46.691 χ^2/NDF: 137.1/76



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.258+/-0.055 χ^2/NDF:1089857.5/21

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 317.315+/-0.057 χ^2/NDF:981686.7/19

Left: 317.285+/-0.039 χ^2/NDF: 2071544.7/41

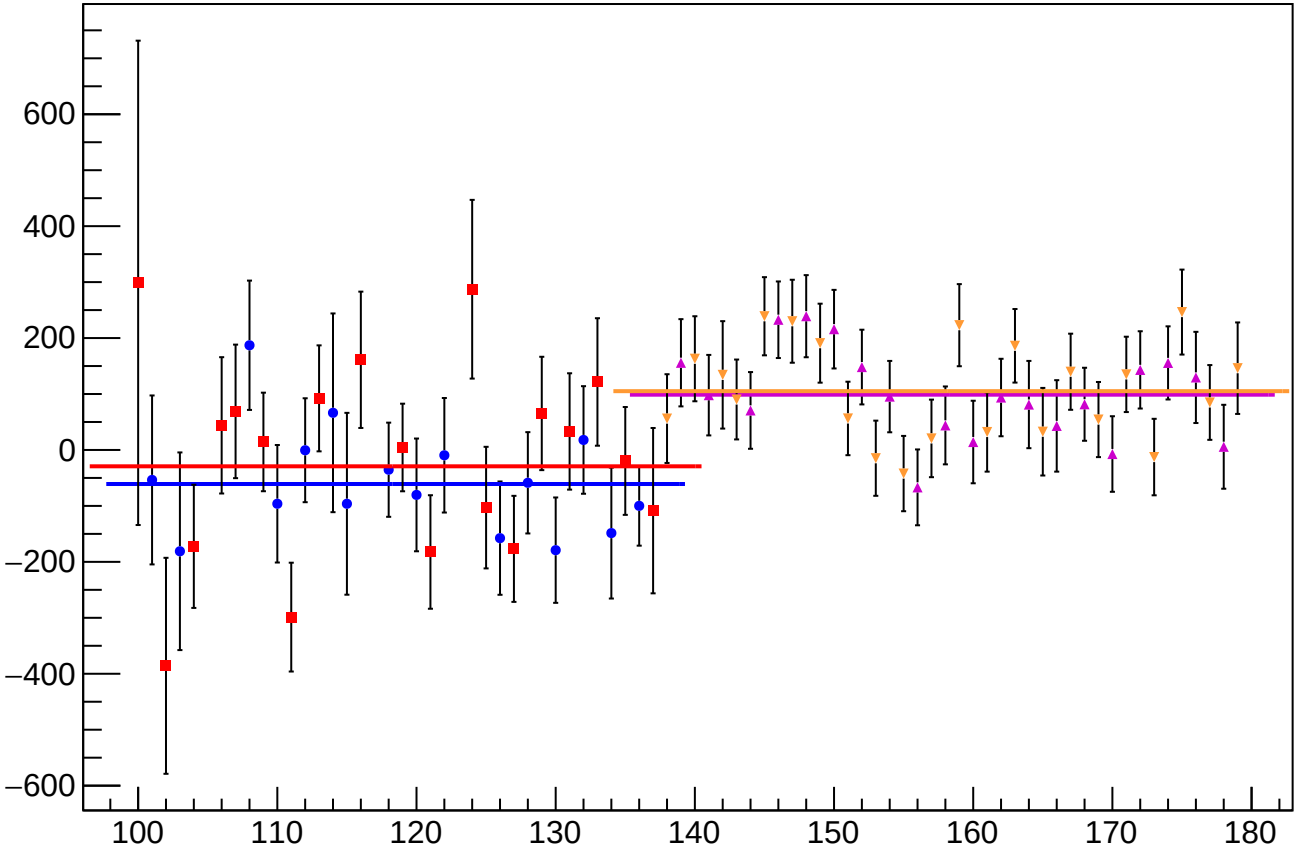
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 315.612+/-0.048 χ^2/NDF:3108645.6/35

Out: 308.496+/-0.046 χ^2/NDF:3890229.1/40

All: 311.904+/-0.033 χ^2/NDF: 7010467.0/76

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 98.795+/-15.812 χ^2/NDF:25.3/19

Left: 102.056+/-10.973 χ^2/NDF: 58.3/41

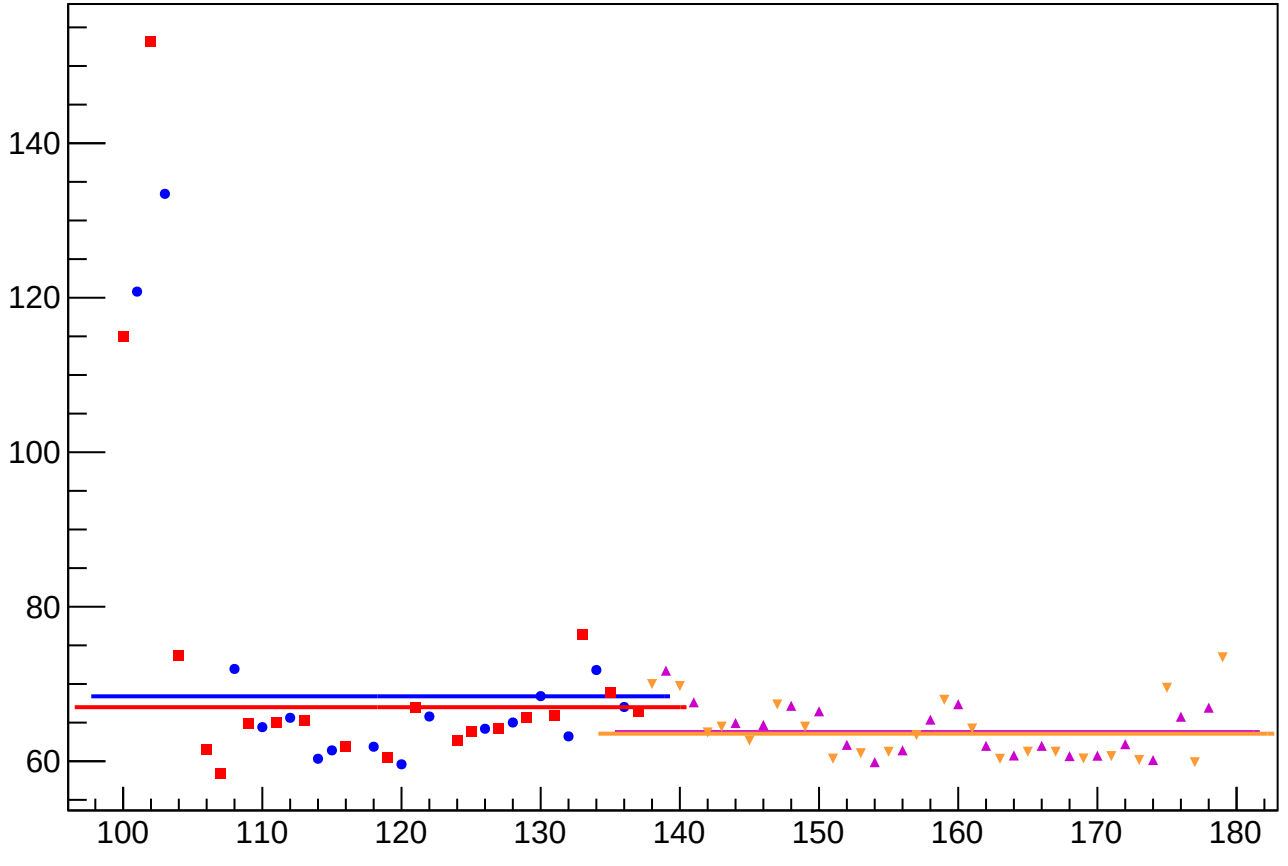
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.822+/-13.517 χ^2/NDF:63.3/35

Out: 69.004+/-13.032 χ^2/NDF:85.1/40

All: 62.654+/-9.382 χ^2/NDF: 148.9/76

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

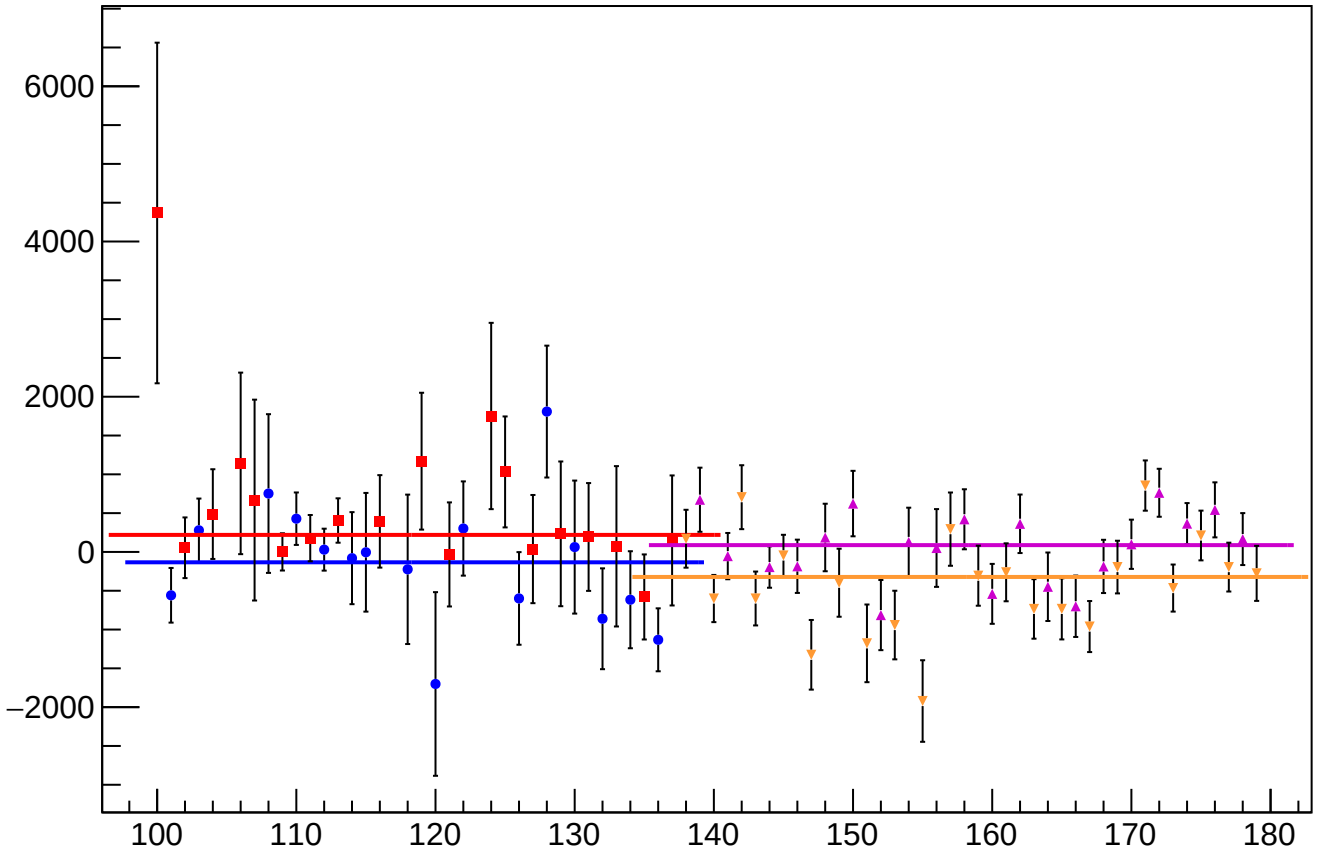
Left: 63.666+/-0.008 χ^2/NDF: 197440.9/41

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.018+/-0.010 χ^2/NDF:693248.5/35

Out: 64.489+/-0.009 χ^2/NDF:631443.4/40

All: 64.744+/-0.007 χ^2/NDF: 1326281.1/76



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 87.765+/-79.916 χ^2/NDF:27.2/19

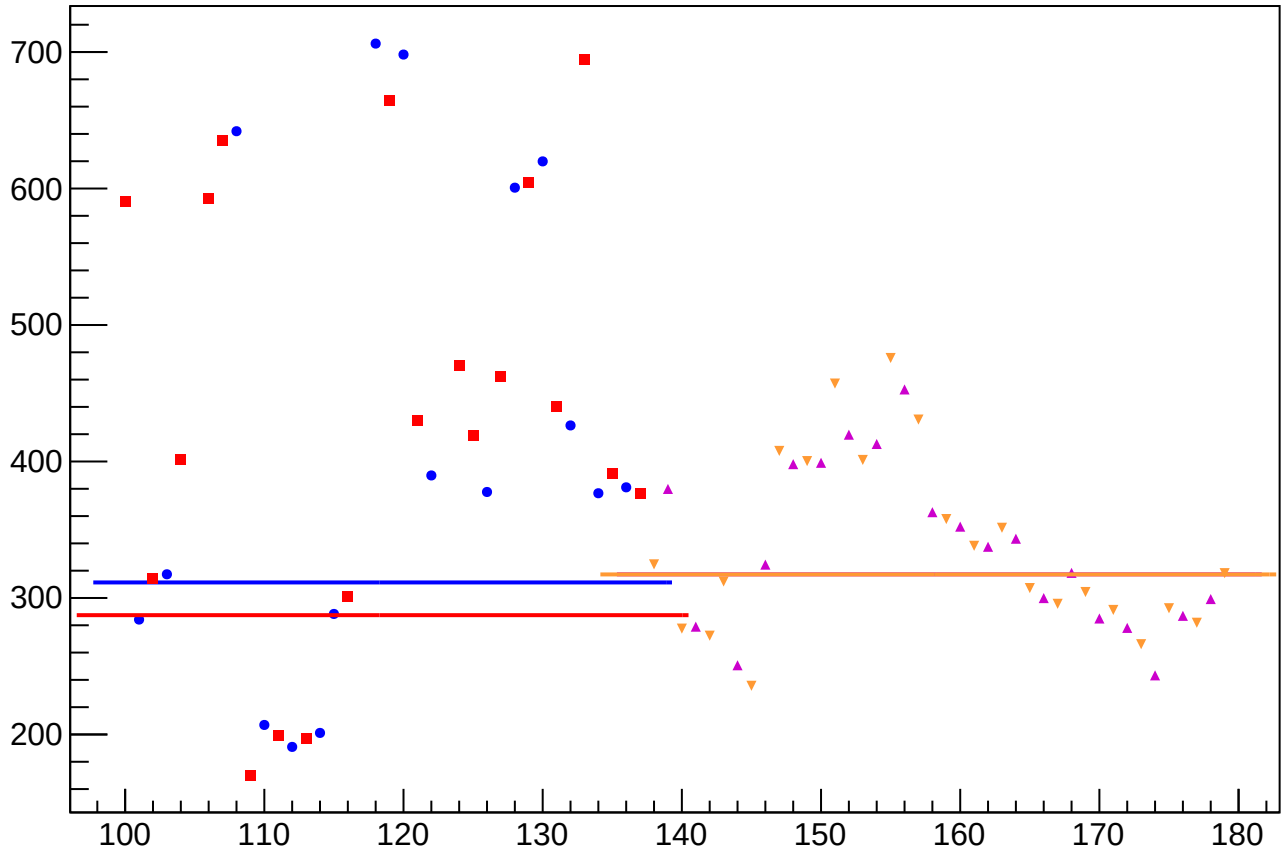
Left: -123.819+/-55.596 χ^2/NDF: 94.8/41

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 24.196+/-67.472 χ^2/NDF:51.9/35

Out: -159.249+/-64.713 χ^2/NDF:81.3/40

All: -71.353+/-46.704 χ^2/NDF: 137.0/76



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 317.315+/-0.057 χ^2/NDF:981690.7/19

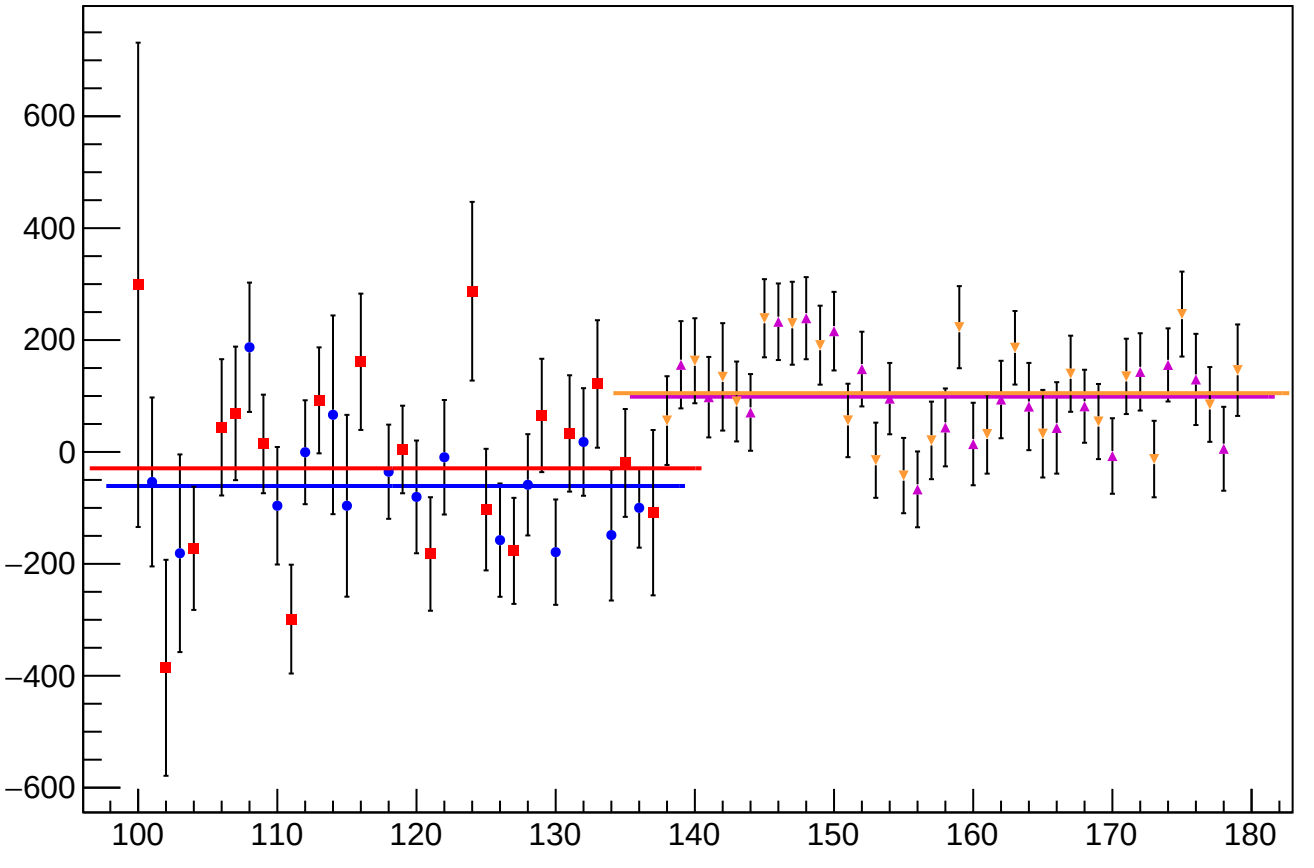
Left: 317.285+/-0.039 χ^2/NDF: 2071553.5/41

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 315.613+/-0.048 χ^2/NDF:3108649.0/35

Out: 308.280+/-0.046 χ^2/NDF:3869585.1/40

All: 311.793+/-0.033 χ^2/NDF: 6990539.7/76



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 105.086+/-15.239 χ^2/NDF:32.9/21

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 98.795+/-15.812 χ^2/NDF:25.3/19

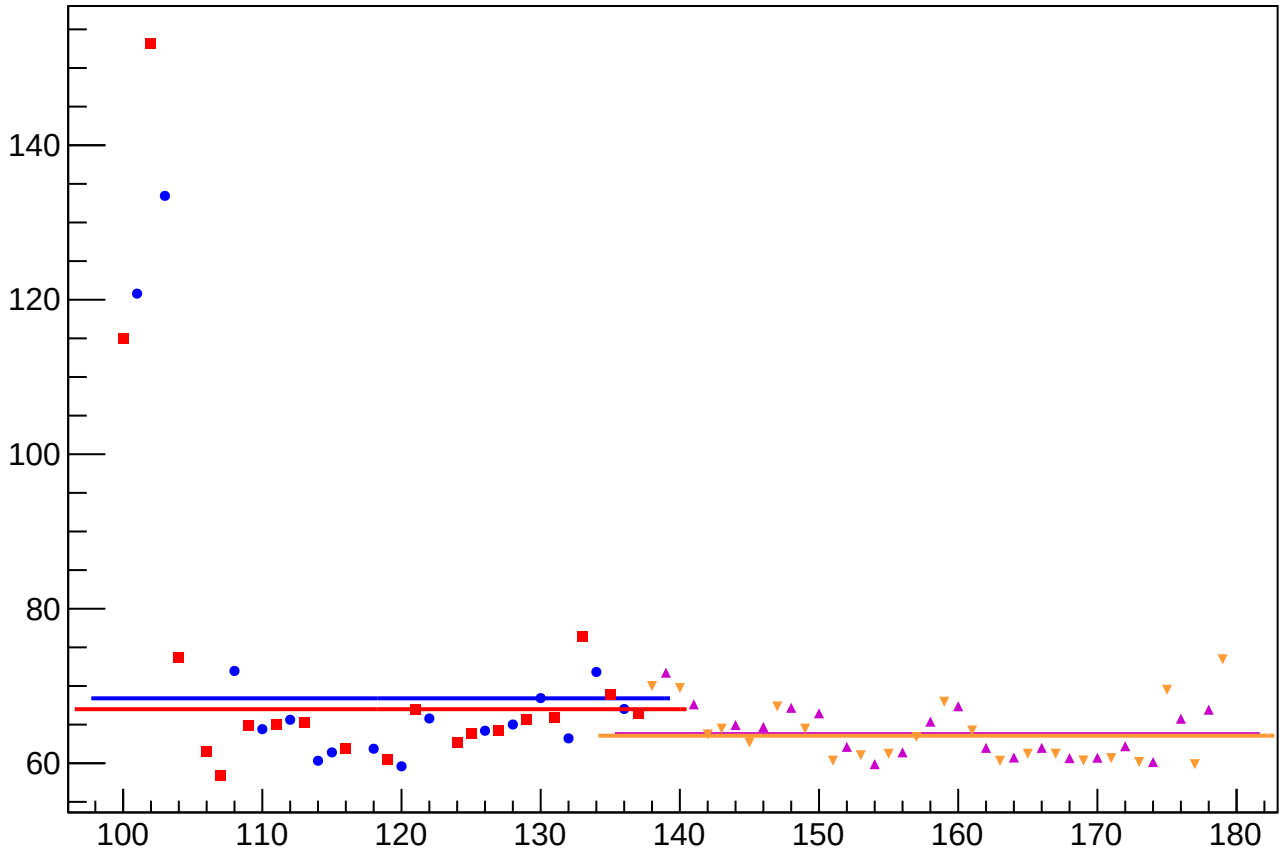
Left: 102.056+/-10.973 χ^2/NDF: 58.3/41

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.822+/-13.517 χ^2/NDF:63.3/35

Out: 69.004+/-13.032 χ^2/NDF:85.1/40

All: 62.654+/-9.382 χ^2/NDF: 148.9/76



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.568+/-0.011 χ^2/NDF:119787.7/21

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.771+/-0.011 χ^2/NDF:77482.5/19

Left: 63.666+/-0.008 χ^2/NDF: 197440.9/41

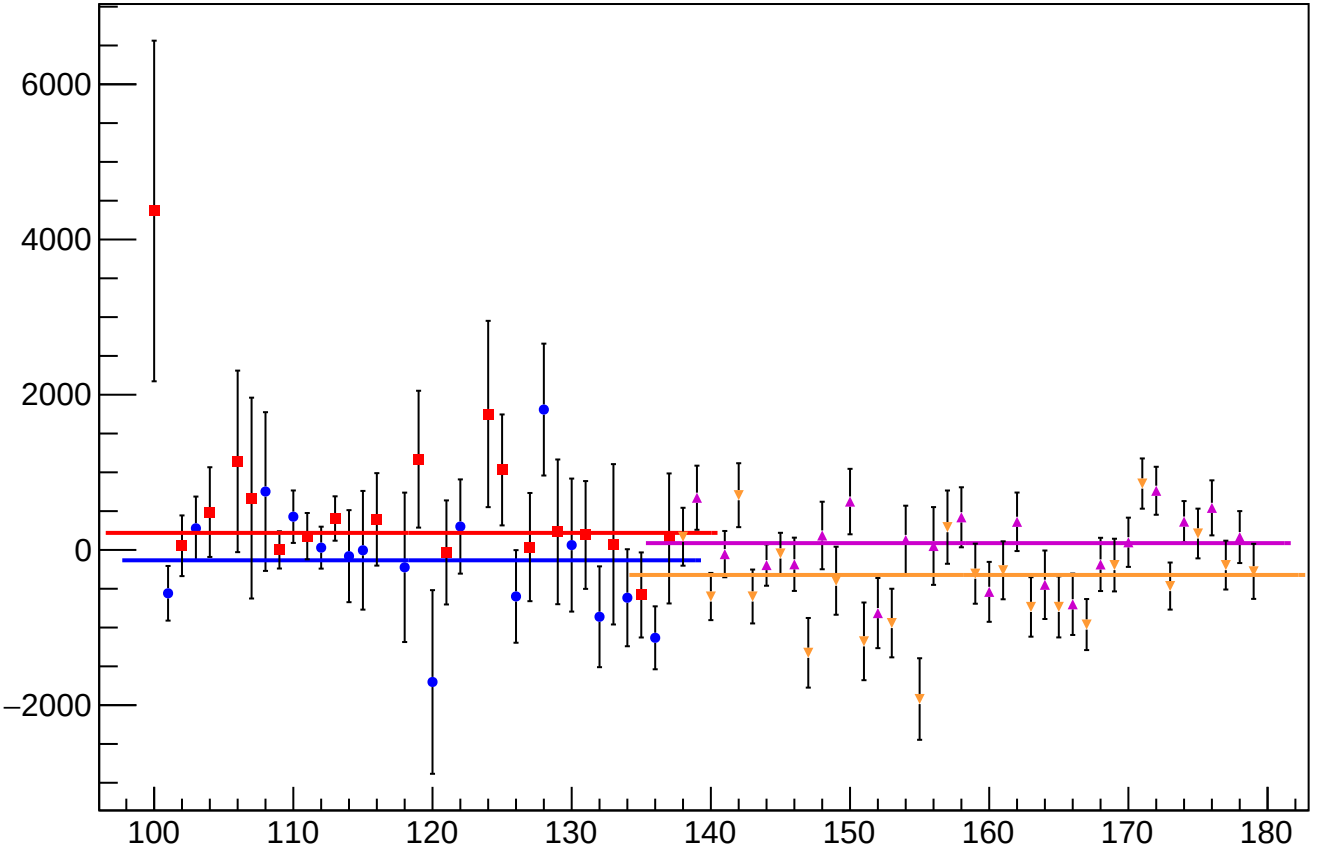
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.018+/-0.010 χ^2/NDF:693248.5/35

Out: 64.489+/-0.009 χ^2/NDF:631443.4/40

All: 64.744+/-0.007 χ^2/NDF: 1326281.1/76

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -322.252+/-77.393 χ^2/NDF:54.0/21

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 87.765+/-79.916 χ^2/NDF:27.2/19

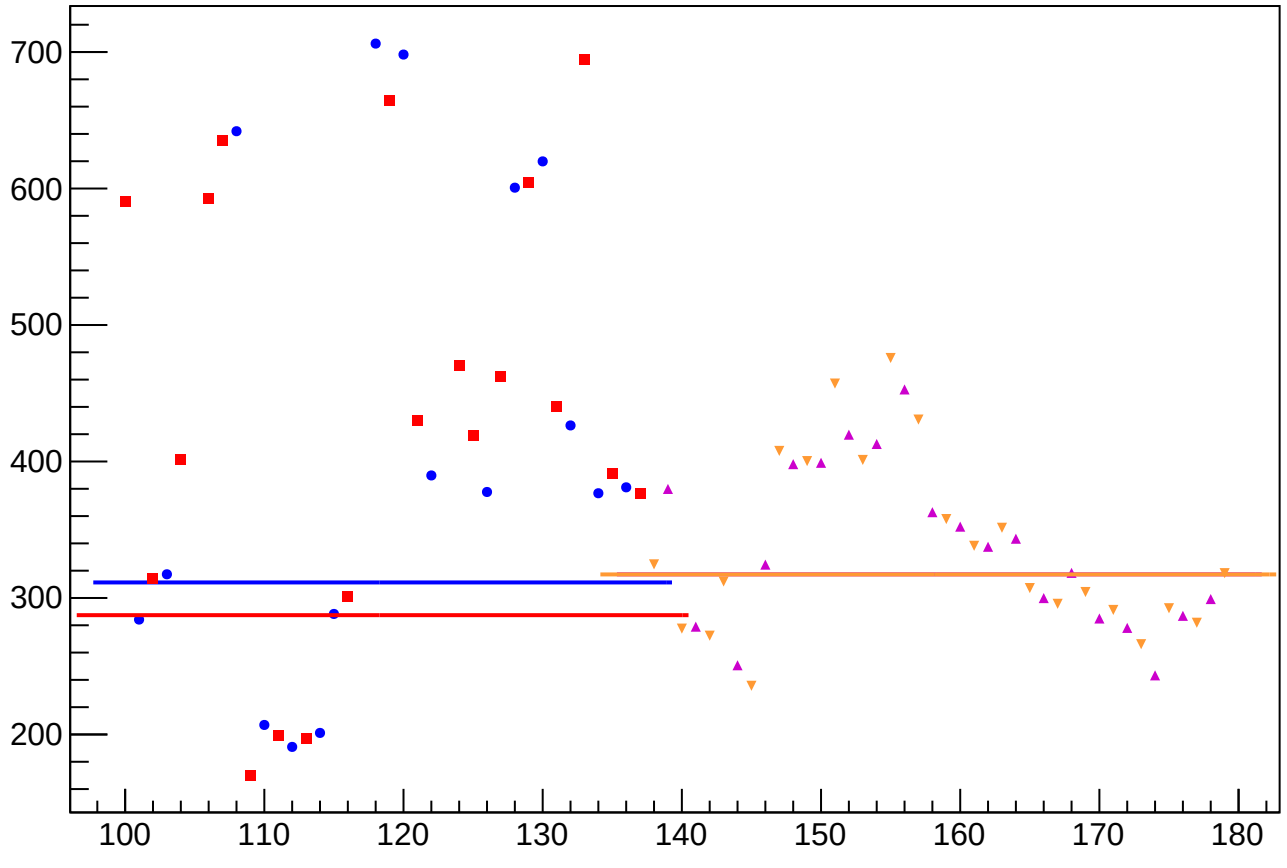
Left: -123.819+/-55.596 χ^2/NDF: 94.8/41

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 24.196+/-67.472 χ^2/NDF:51.9/35

Out: -159.249+/-64.713 χ^2/NDF:81.3/40

All: -71.353+/-46.704 χ^2/NDF: 137.0/76



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.257+/-0.055 χ^2/NDF:1089862.2/21

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 317.315+/-0.057 χ^2/NDF:981690.7/19

Left: 317.285+/-0.039 χ^2/NDF: 2071553.5/41

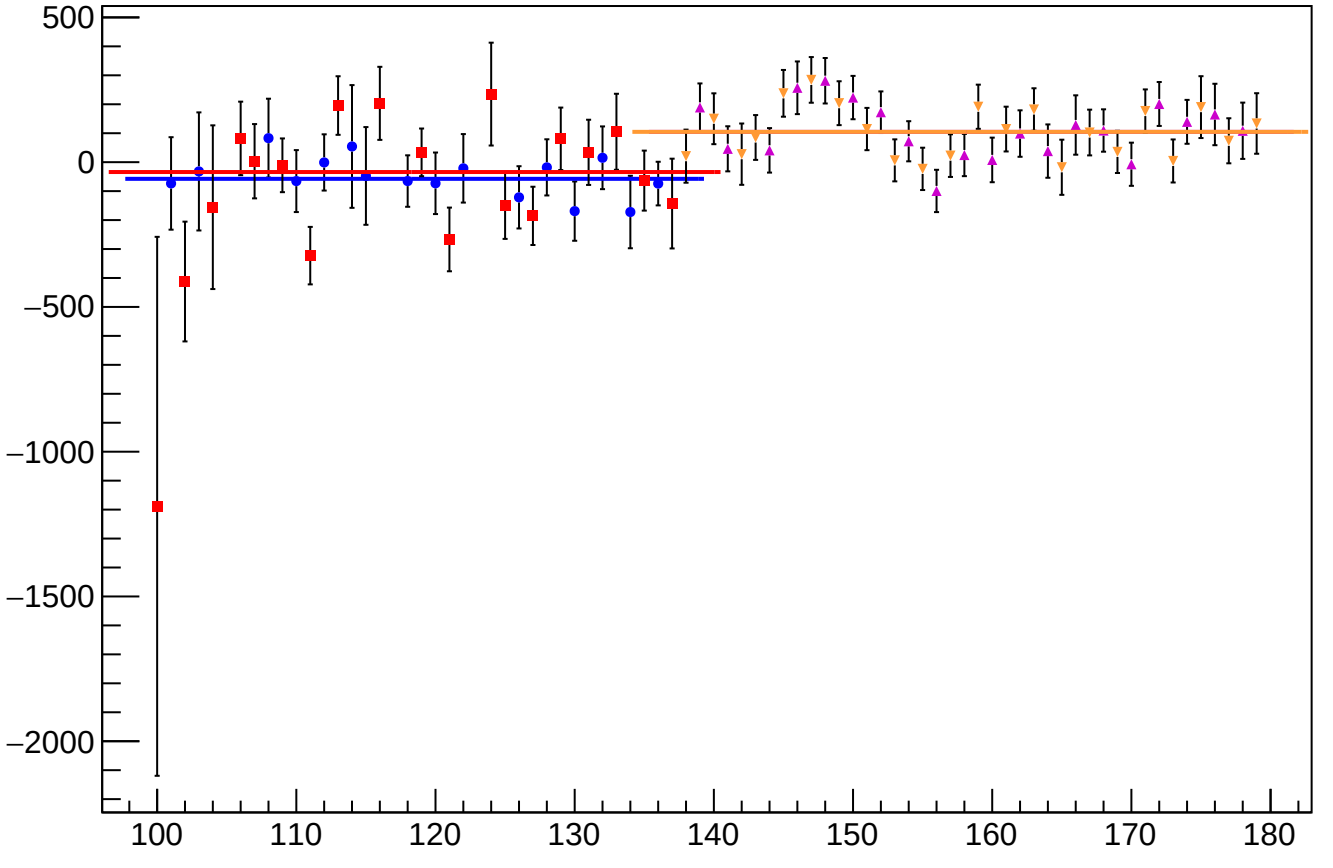
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 315.613+/-0.048 χ^2/NDF:3108649.0/35

Out: 308.280+/-0.046 χ^2/NDF:3869585.1/40

All: 311.793+/-0.033 χ^2/NDF: 6990539.7/76

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 104.551+/-17.776 χ^2/NDF:29.3/19

Left: 104.642+/-12.314 χ^2/NDF: 55.4/41

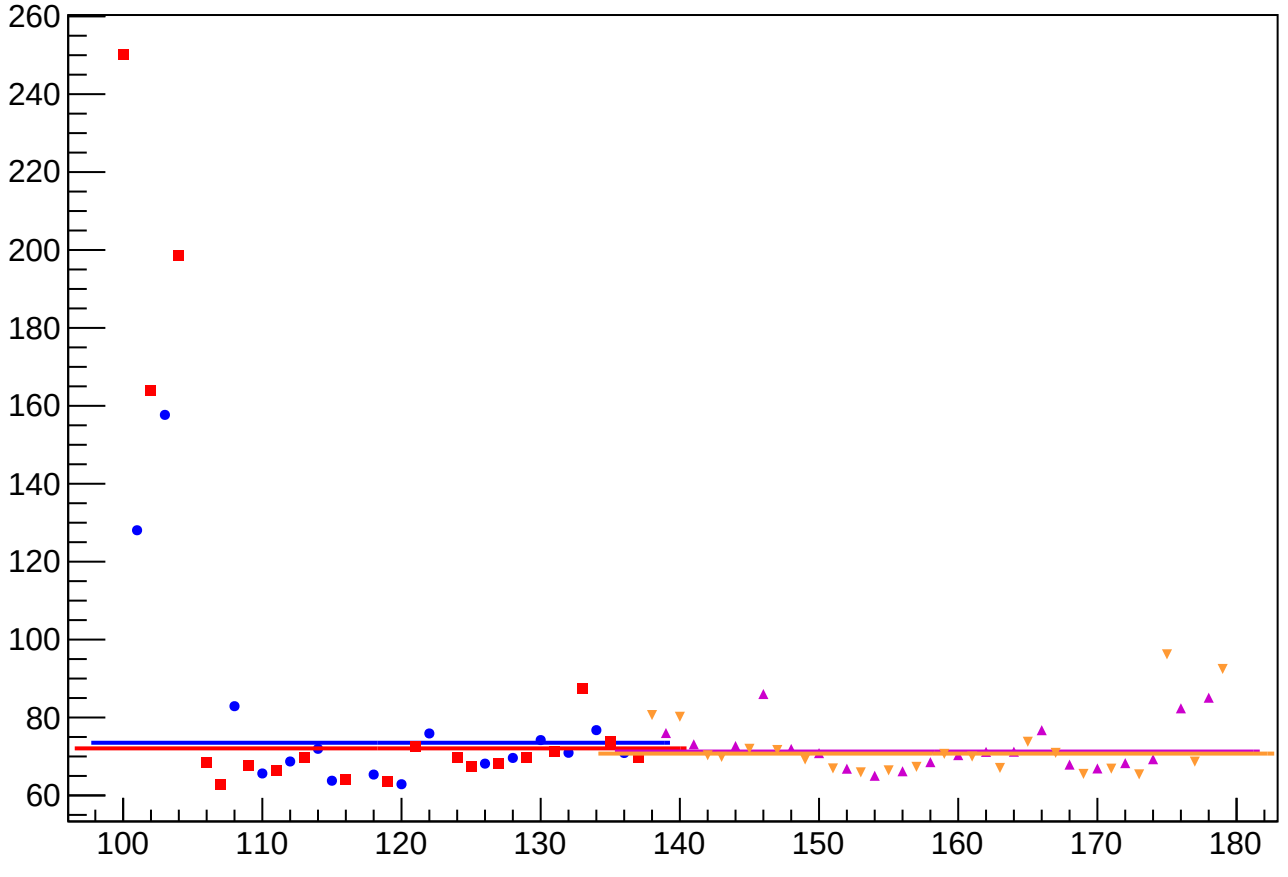
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.194+/-15.021 χ^2/NDF:58.0/35

Out: 65.915+/-14.490 χ^2/NDF:81.7/40

All: 62.193+/-10.429 χ^2/NDF: 139.8/76

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.737+/-0.012 χ^2/NDF:308383.6/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 71.262+/-0.013 χ^2/NDF:180958.4/19

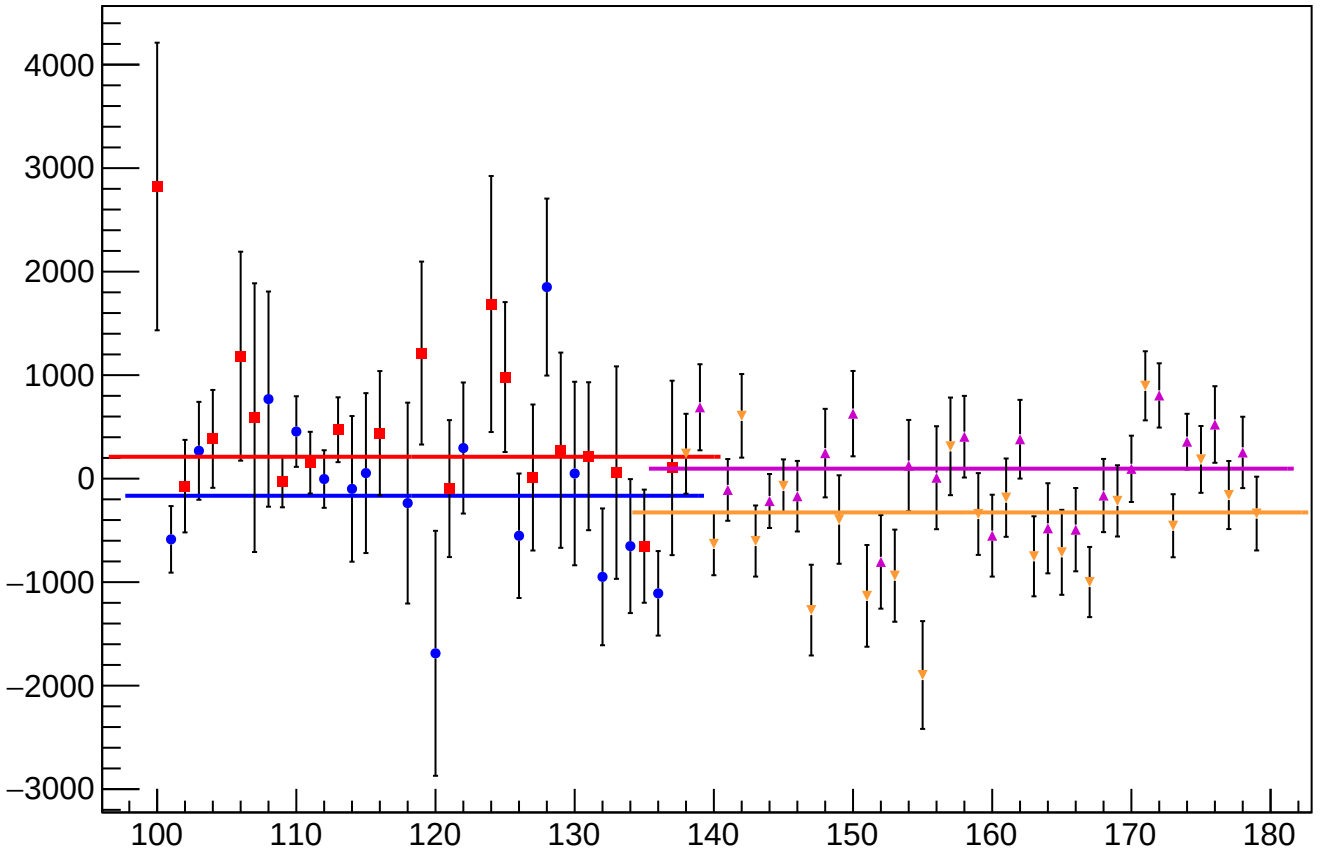
Left: 70.989+/-0.009 χ^2/NDF: 490249.8/41

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.908+/-0.011 χ^2/NDF:847026.5/35

Out: 71.111+/-0.010 χ^2/NDF:1270309.1/40

All: 71.495+/-0.007 χ^2/NDF: 2120249.6/76



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.598+/-77.823 χ^2/NDF:53.0/21

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 96.464+/-80.429 χ^2/NDF:26.3/19

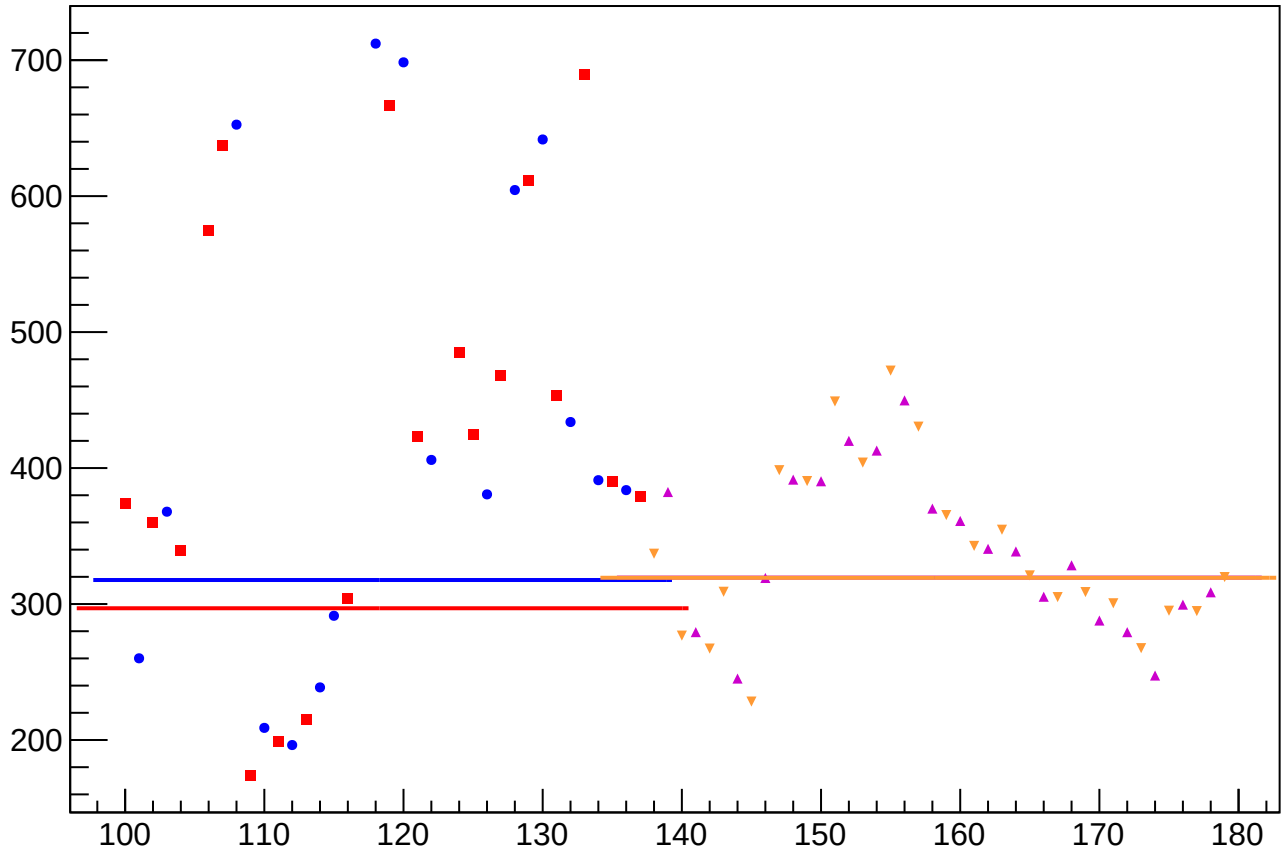
Left: -122.032+/-55.927 χ^2/NDF: 93.6/41

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: 22.674+/-68.166 χ^2/NDF:51.9/35

Out: -167.560+/-65.313 χ^2/NDF:80.7/40

All: -76.507+/-47.160 χ^2/NDF: 136.7/76



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 319.317+/-0.055 χ^2/NDF:1089097.7/21

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 319.431+/-0.057 χ^2/NDF:958962.9/19

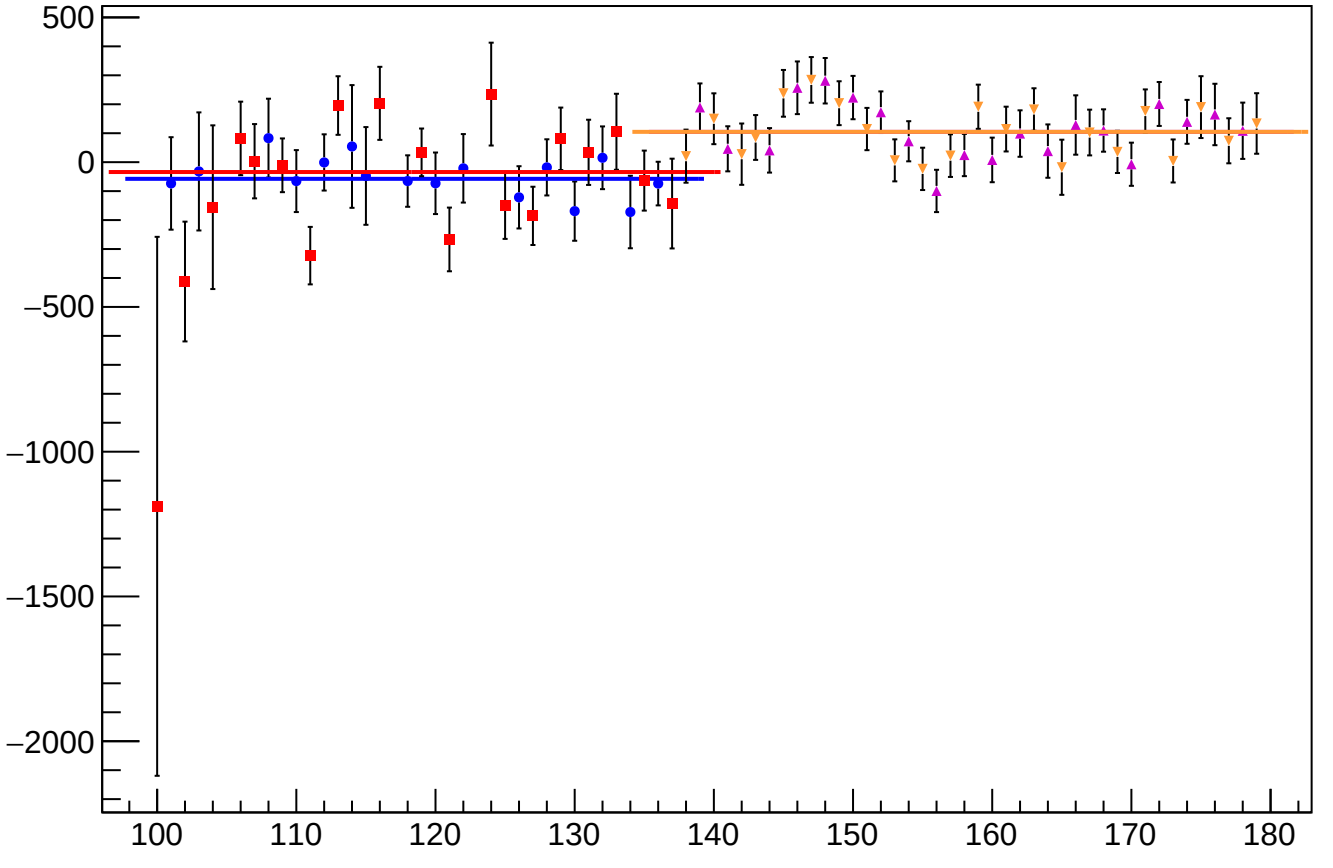
Left: 319.372+/-0.040 χ^2/NDF: 2048062.6/41

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 318.933+/-0.048 χ^2/NDF:3095427.5/35

Out: 312.686+/-0.046 χ^2/NDF:3679253.3/40

All: 315.676+/-0.033 χ^2/NDF: 6783436.8/76



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 104.726+/-17.073 χ^2/NDF:26.1/21

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 104.551+/-17.776 χ^2/NDF:29.3/19

Left: 104.642+/-12.314 χ^2/NDF: 55.4/41

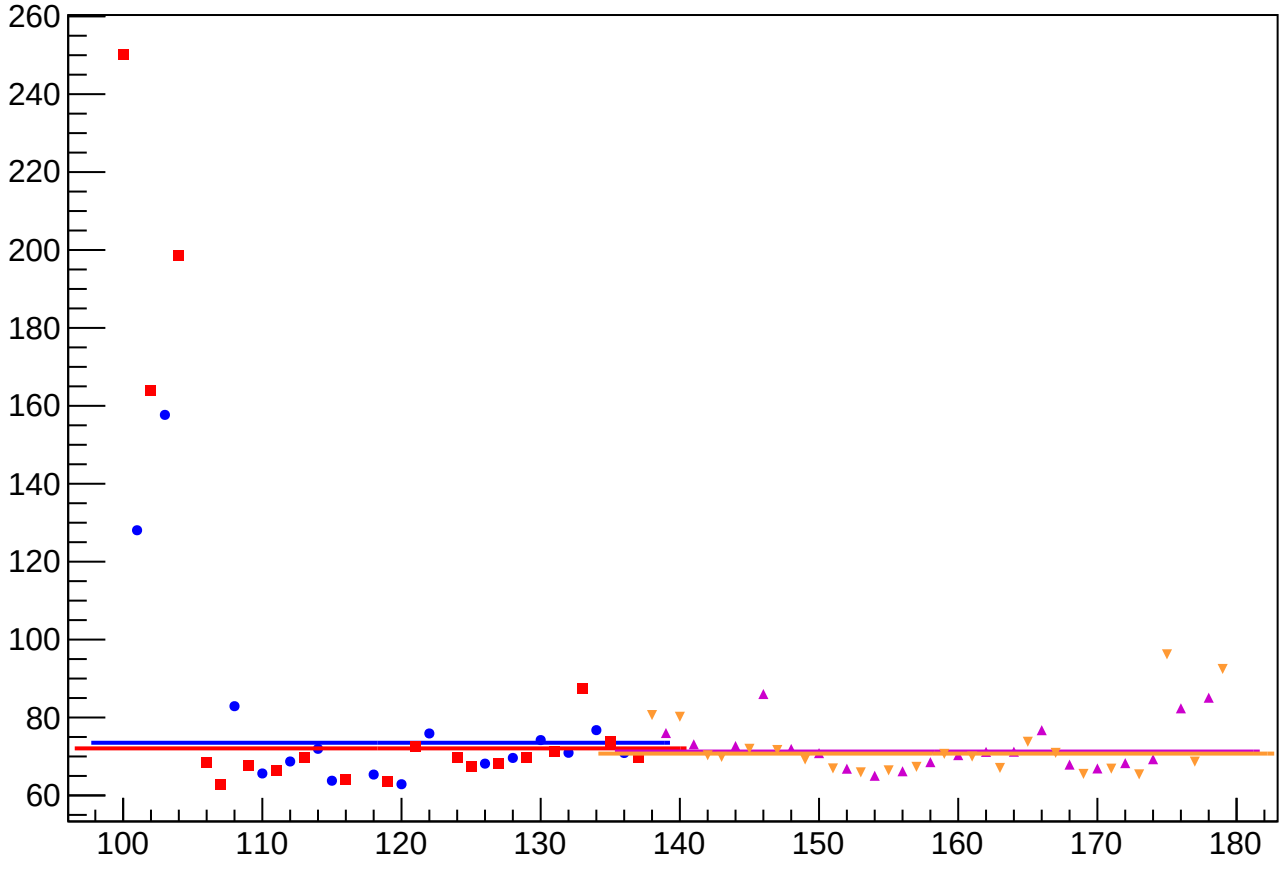
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.194+/-15.021 χ^2/NDF:58.0/35

Out: 65.914+/-14.490 χ^2/NDF:81.7/40

All: 62.193+/-10.429 χ^2/NDF: 139.8/76

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.737+/-0.012 χ^2/NDF:308381.9/21

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 71.262+/-0.013 χ^2/NDF:180957.7/19

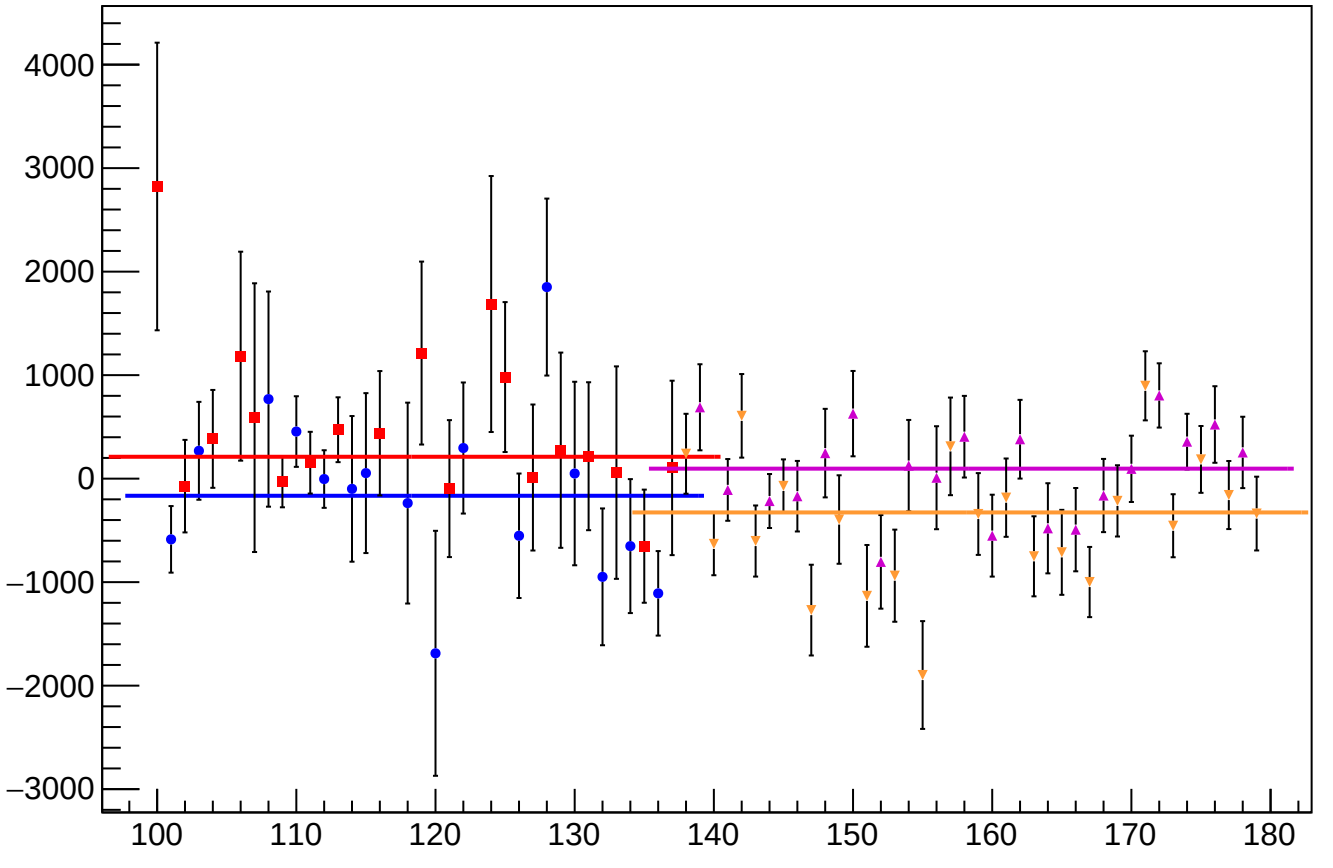
Left: 70.989+/-0.009 χ^2/NDF: 490247.5/41

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.908+/-0.011 χ^2/NDF:847026.2/35

Out: 71.111+/-0.010 χ^2/NDF:1270308.2/40

All: 71.495+/-0.007 χ^2/NDF: 2120248.4/76



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.599+/-77.823 χ^2/NDF:53.0/21

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 96.463+/-80.429 χ^2/NDF:26.3/19

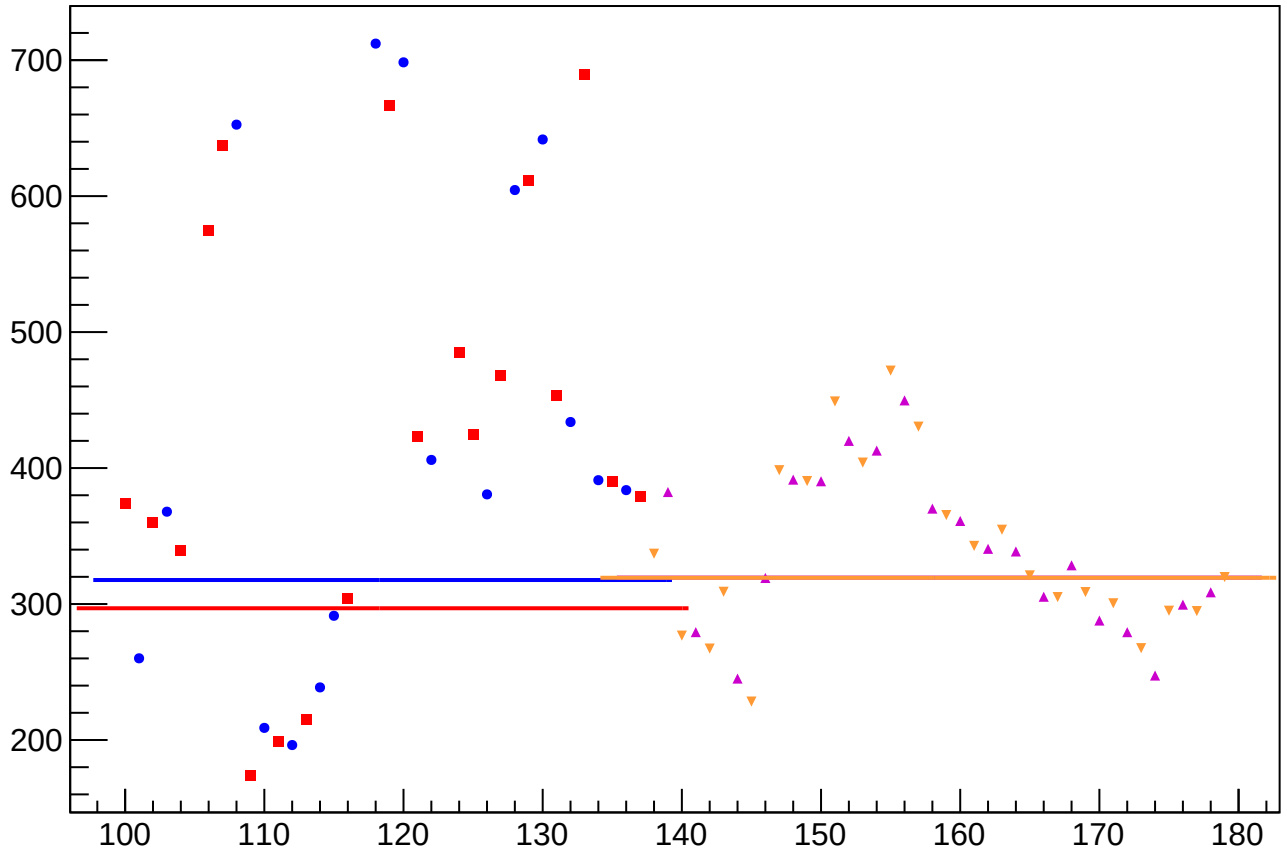
Left: -122.033+/-55.927 χ^2/NDF: 93.6/41

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 22.673+/-68.166 χ^2/NDF:51.9/35

Out: -167.560+/-65.313 χ^2/NDF:80.7/40

All: -76.507+/-47.160 χ^2/NDF: 136.7/76



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 319.318+/-0.055 χ^2/NDF:1089102.4/21

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 319.431+/-0.057 χ^2/NDF:958960.7/19

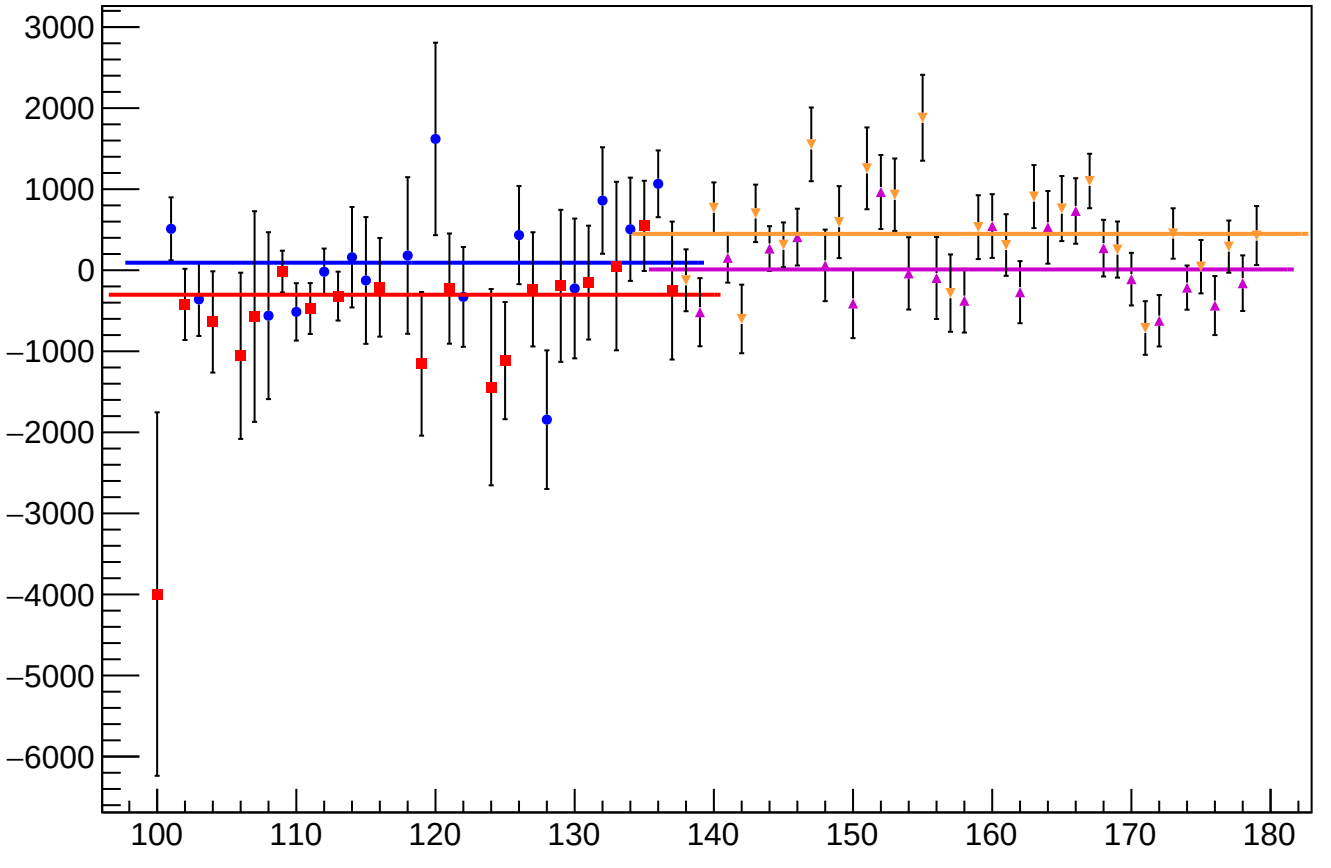
Left: 319.372+/-0.040 χ^2/NDF: 2048065.2/41

Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 318.932+/-0.048 χ^2/NDF:3095457.7/35

Out: 312.686+/-0.046 χ^2/NDF:3679276.1/40

All: 315.676+/-0.033 χ^2/NDF: 6783489.6/76



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 448.750+/-79.113 χ^2/NDF:49.9/21

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 9.909+/-81.684 χ^2/NDF:24.4/19

Left: 236.343+/-56.829 χ^2/NDF: 89.2/41

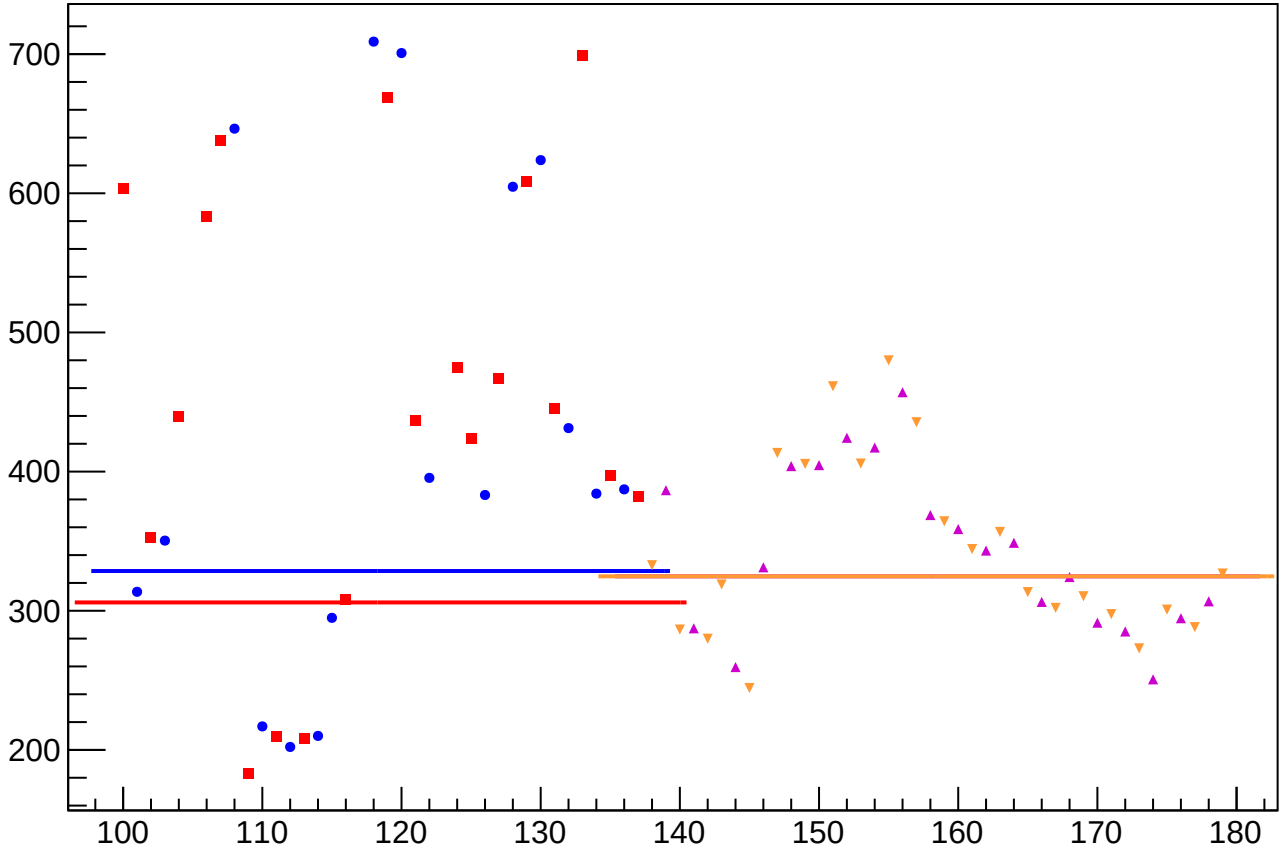
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 32.881+/-69.450 χ^2/NDF:45.5/35

Out: 231.273+/-66.682 χ^2/NDF:86.8/40

All: 136.108+/-48.100 χ^2/NDF: 136.6/76

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 324.758+/-0.056 χ^2/NDF:1014519.5/21

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 324.750+/-0.058 χ^2/NDF:911117.9/19

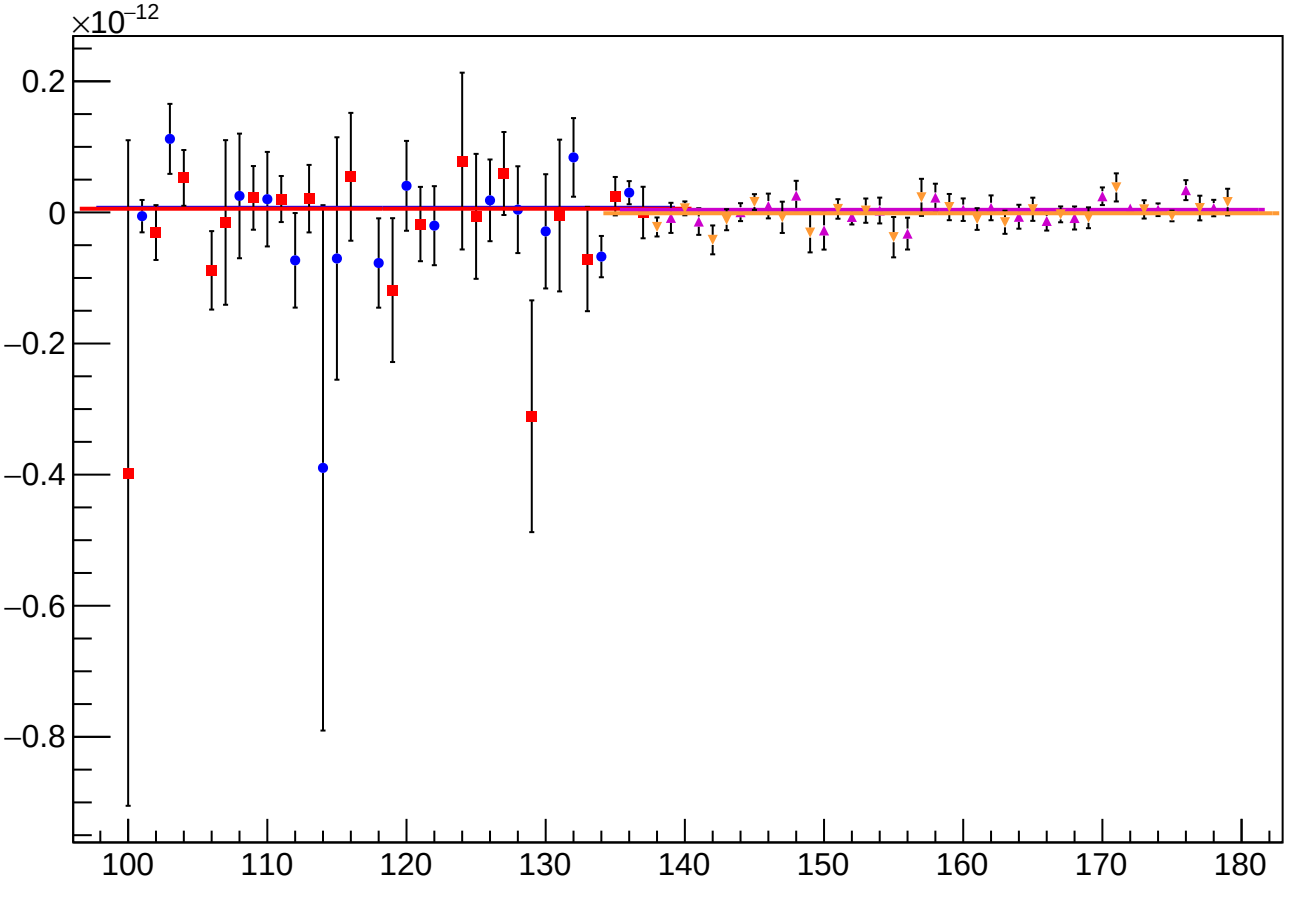
Left: 324.754+/-0.040 χ^2/NDF: 1925637.3/41

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 325.807+/-0.049 χ^2/NDF:2871201.4/35

Out: 319.323+/-0.047 χ^2/NDF:3574583.7/40

All: 322.434+/-0.034 χ^2/NDF: 6454857.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/19

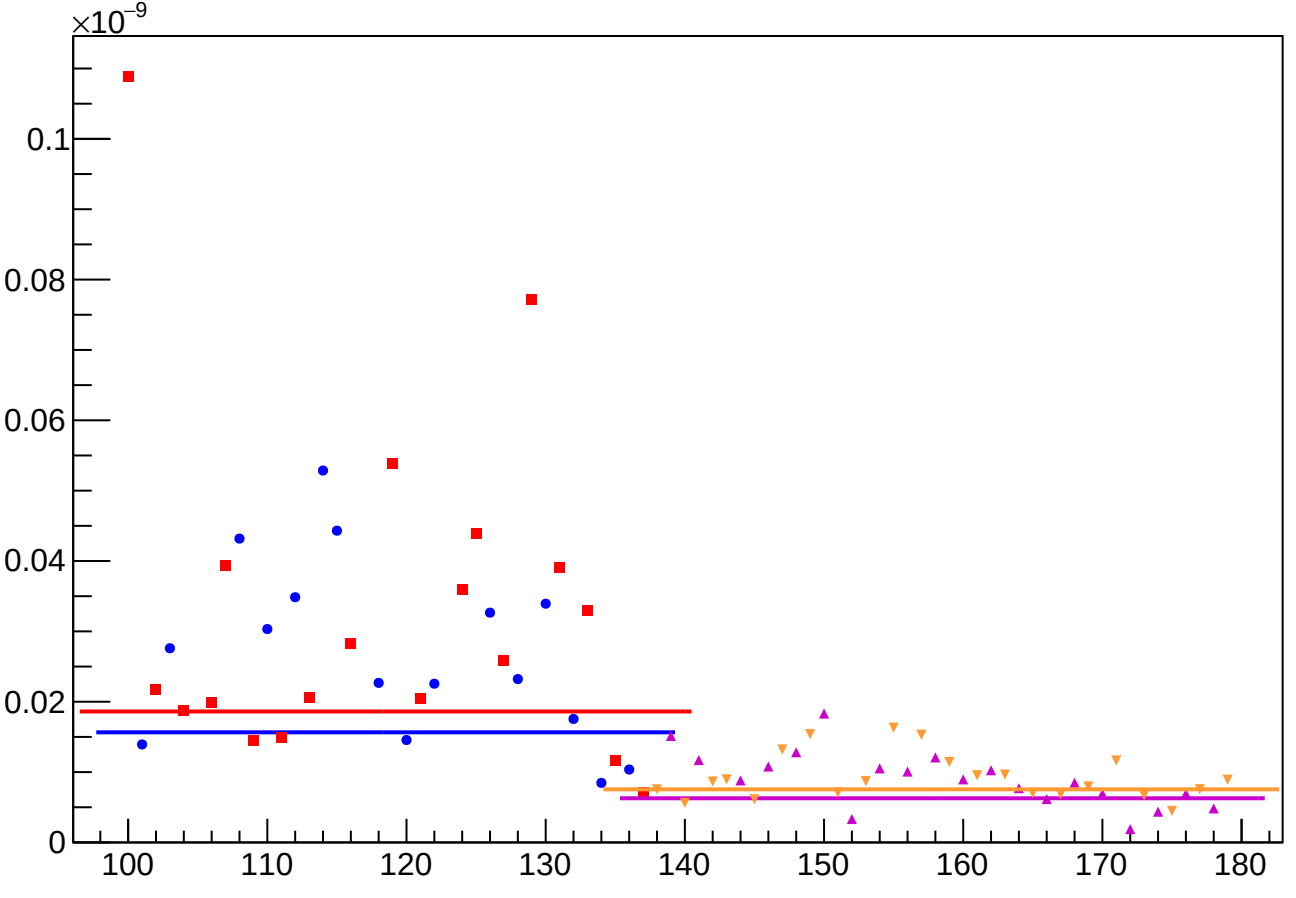
Left: 0.000+/-0.000 χ^2/NDF: 35.0/41

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:33.6/35

Out: -0.000+/-0.000 χ^2/NDF:31.0/40

All: 0.000+/-0.000 χ^2/NDF: 65.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1202489.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2725926.1/19

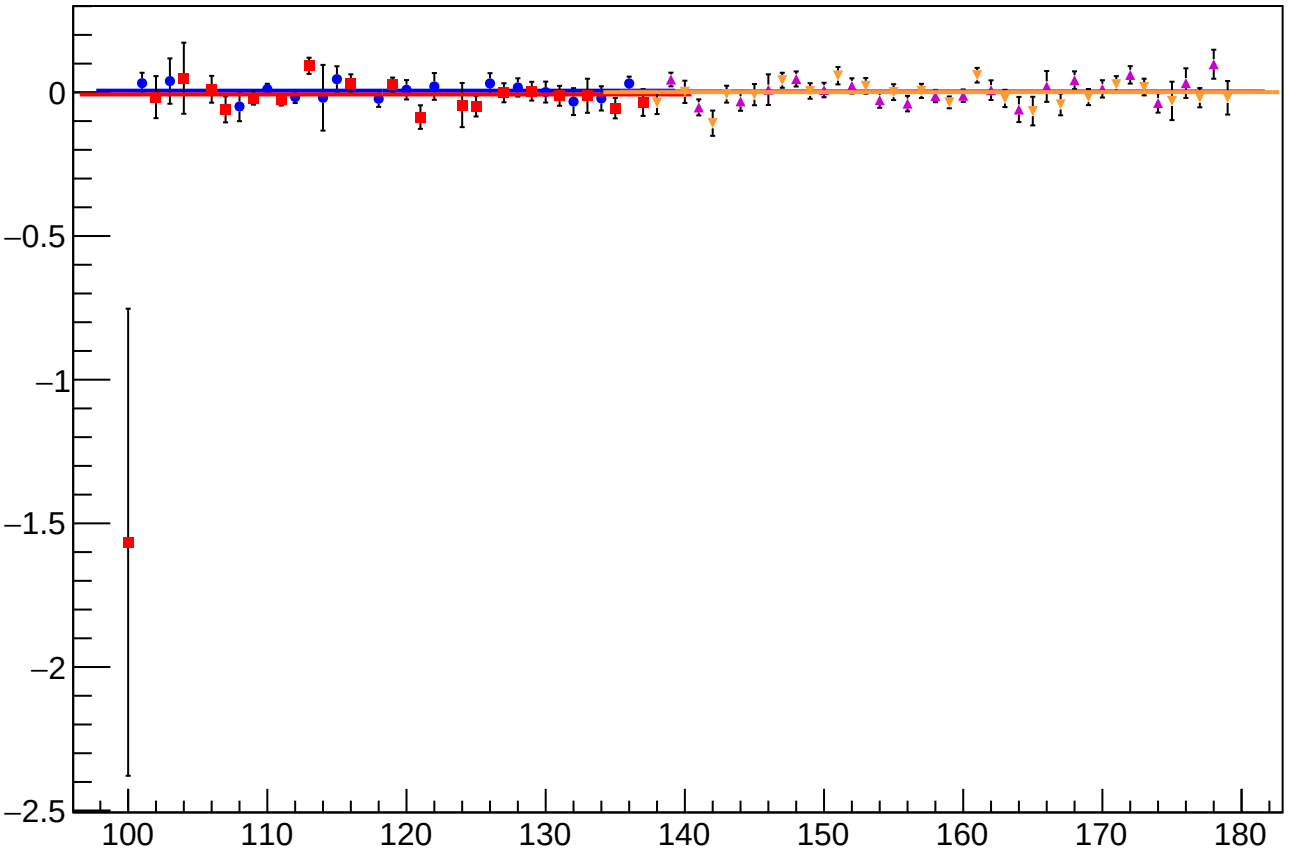
Left: 0.000+/-0.000 χ^2/NDF: 4079167.0/41

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5239472.9/35

Out: 0.000+/-0.000 χ^2/NDF:3823426.9/40

All: 0.000+/-0.000 χ^2/NDF: 9212756.6/76



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:28.9/19

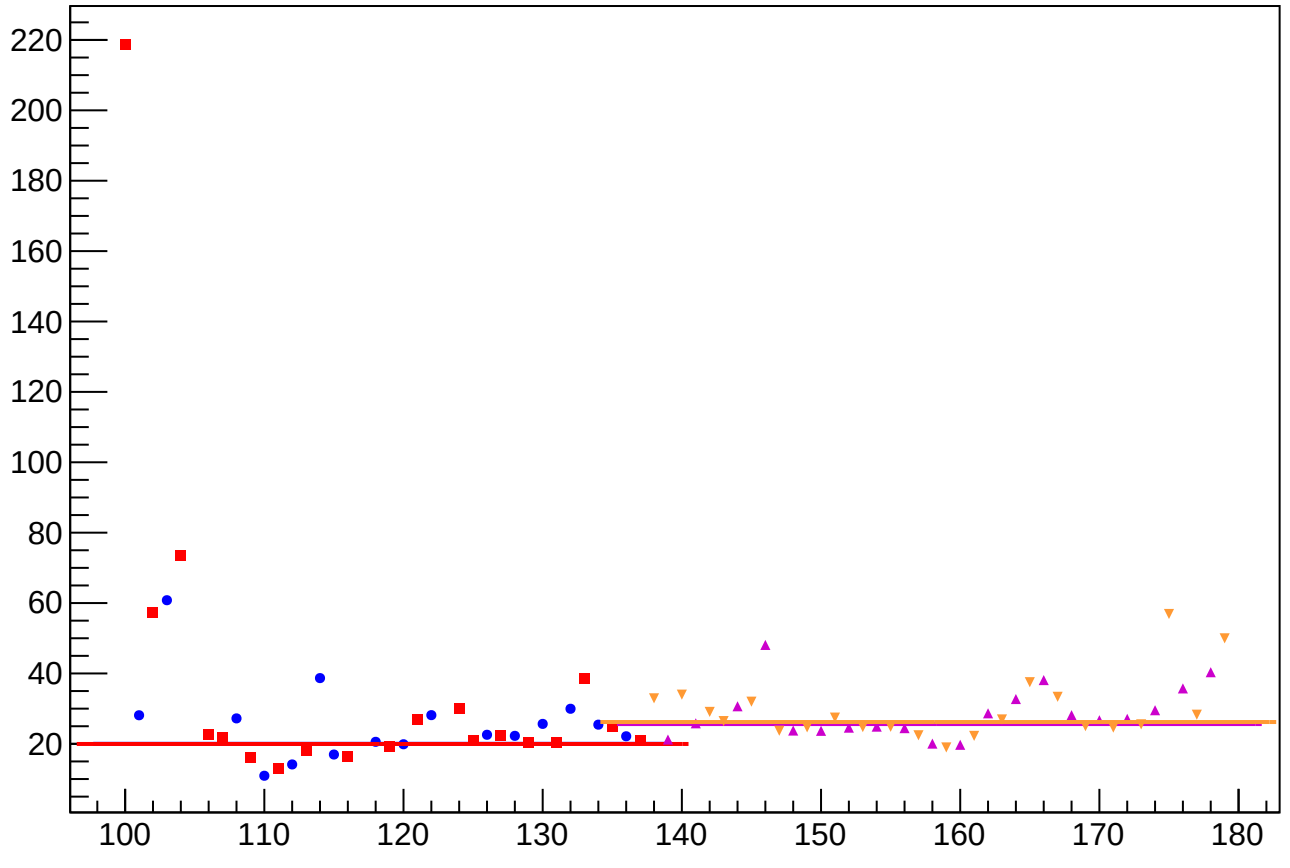
Left: 0.002+/-0.005 χ^2/NDF: 57.0/41

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 96.1/76



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.620+/-0.005 χ^2/NDF:1255045.2/19

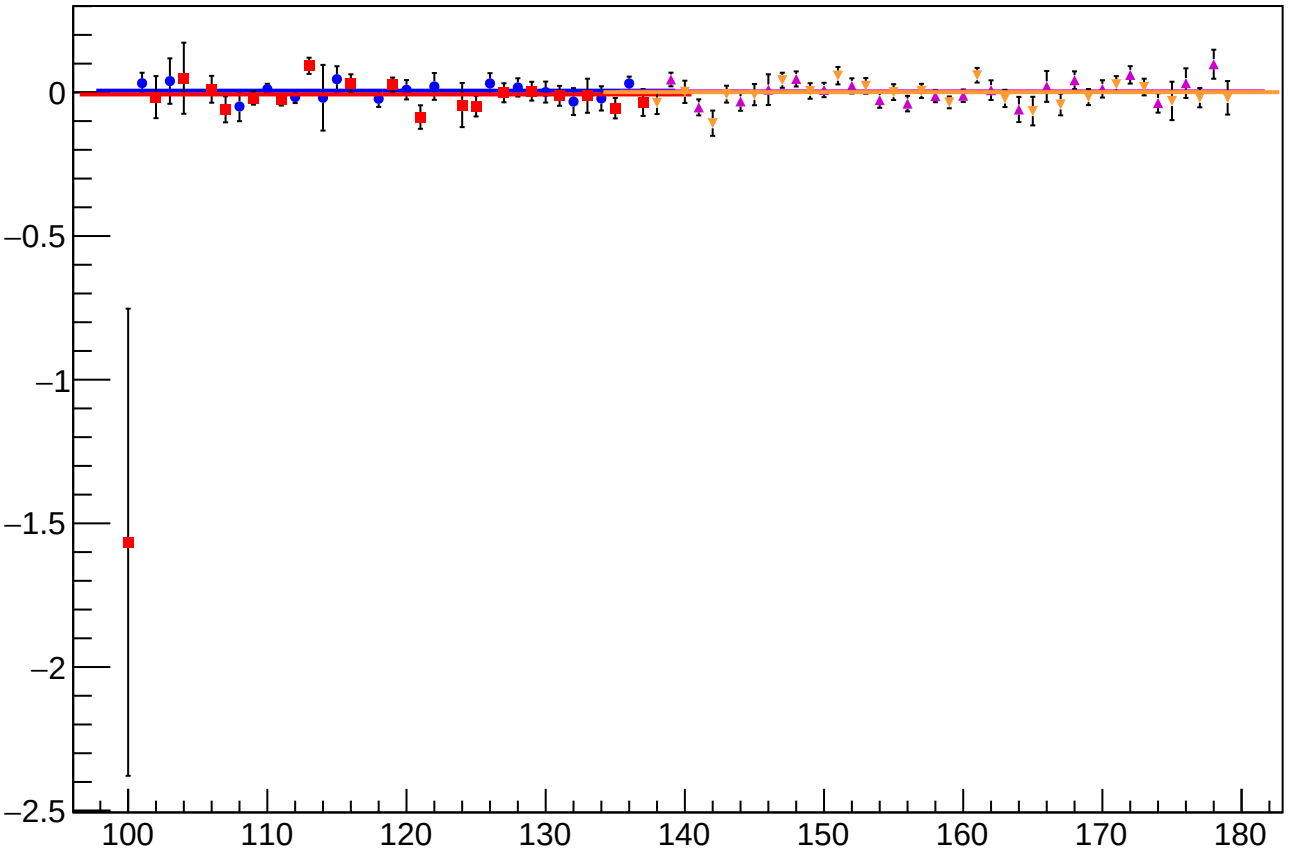
Left: 25.914+/-0.003 χ^2/NDF: 2785932.6/41

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.371+/-0.004 χ^2/NDF:3464314.0/35

Out: 23.721+/-0.004 χ^2/NDF:3955482.7/40

All: 23.548+/-0.003 χ^2/NDF: 7424445.6/76



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:28.9/19

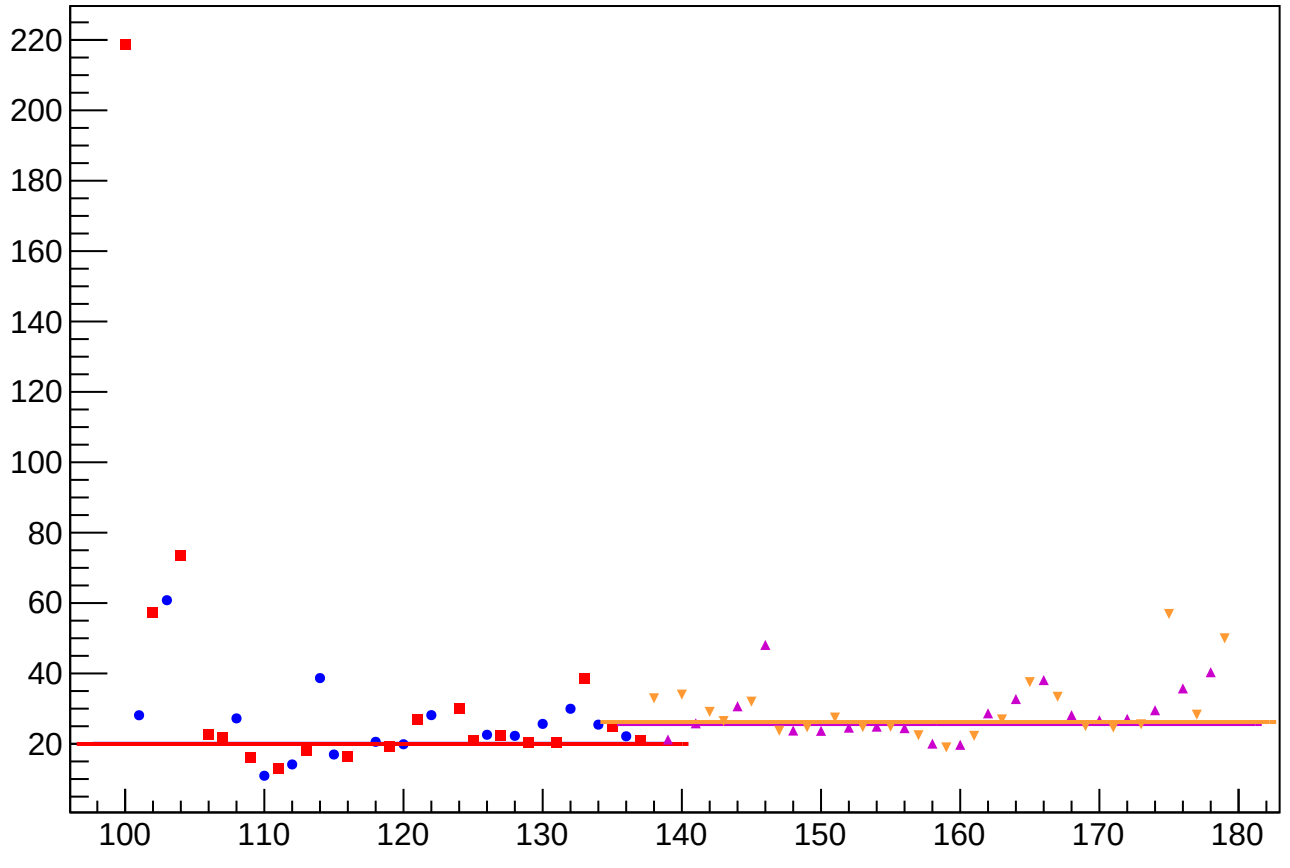
Left: 0.002+/-0.005 χ^2/NDF: 57.0/41

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 96.1/76



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523246.8/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.620+/-0.005 χ^2/NDF:1255045.2/19

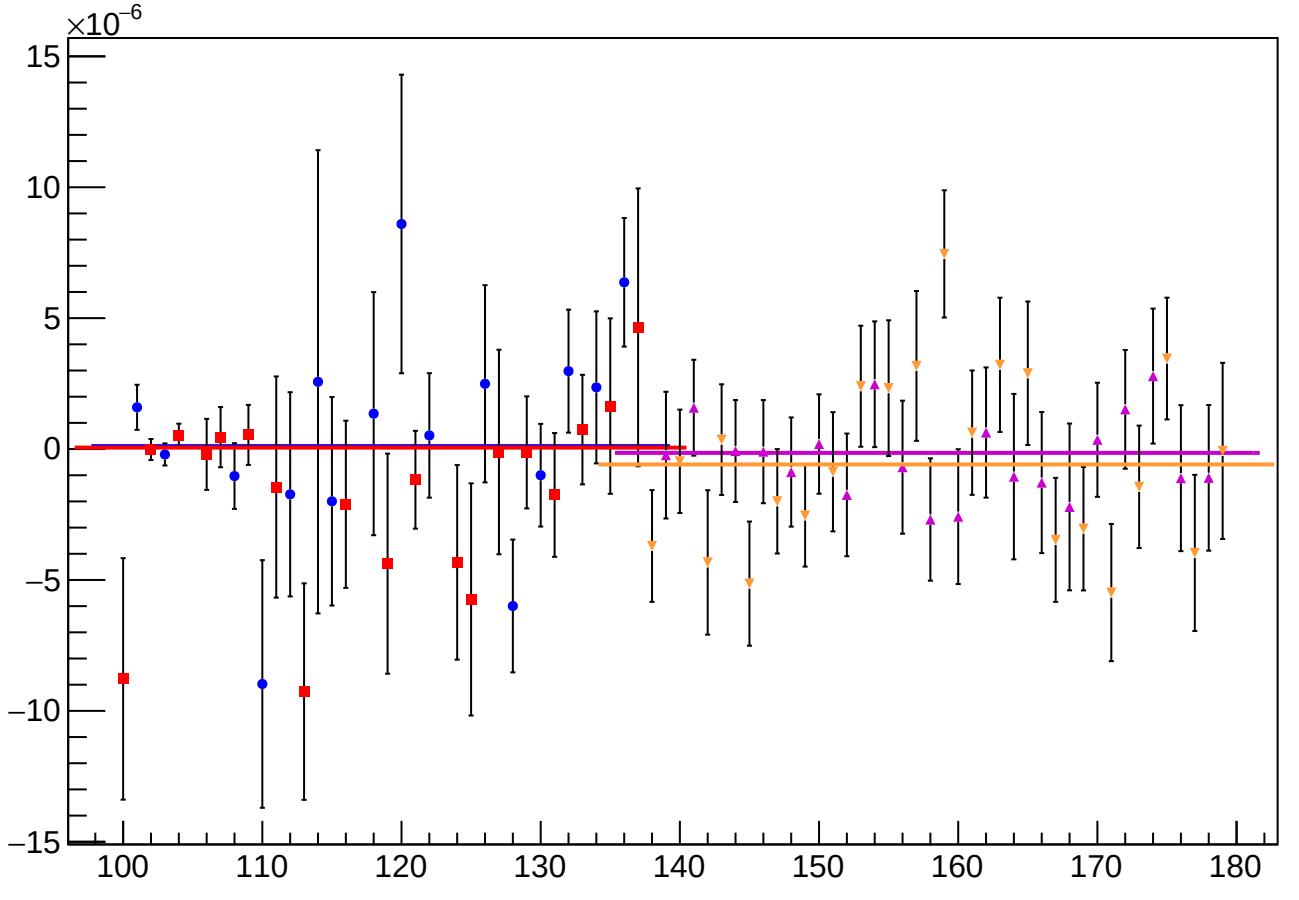
Left: 25.914+/-0.003 χ^2/NDF: 2785932.6/41

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.371+/-0.004 χ^2/NDF:3464314.0/35

Out: 23.721+/-0.004 χ^2/NDF:3955482.7/40

All: 23.548+/-0.003 χ^2/NDF: 7424445.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/19

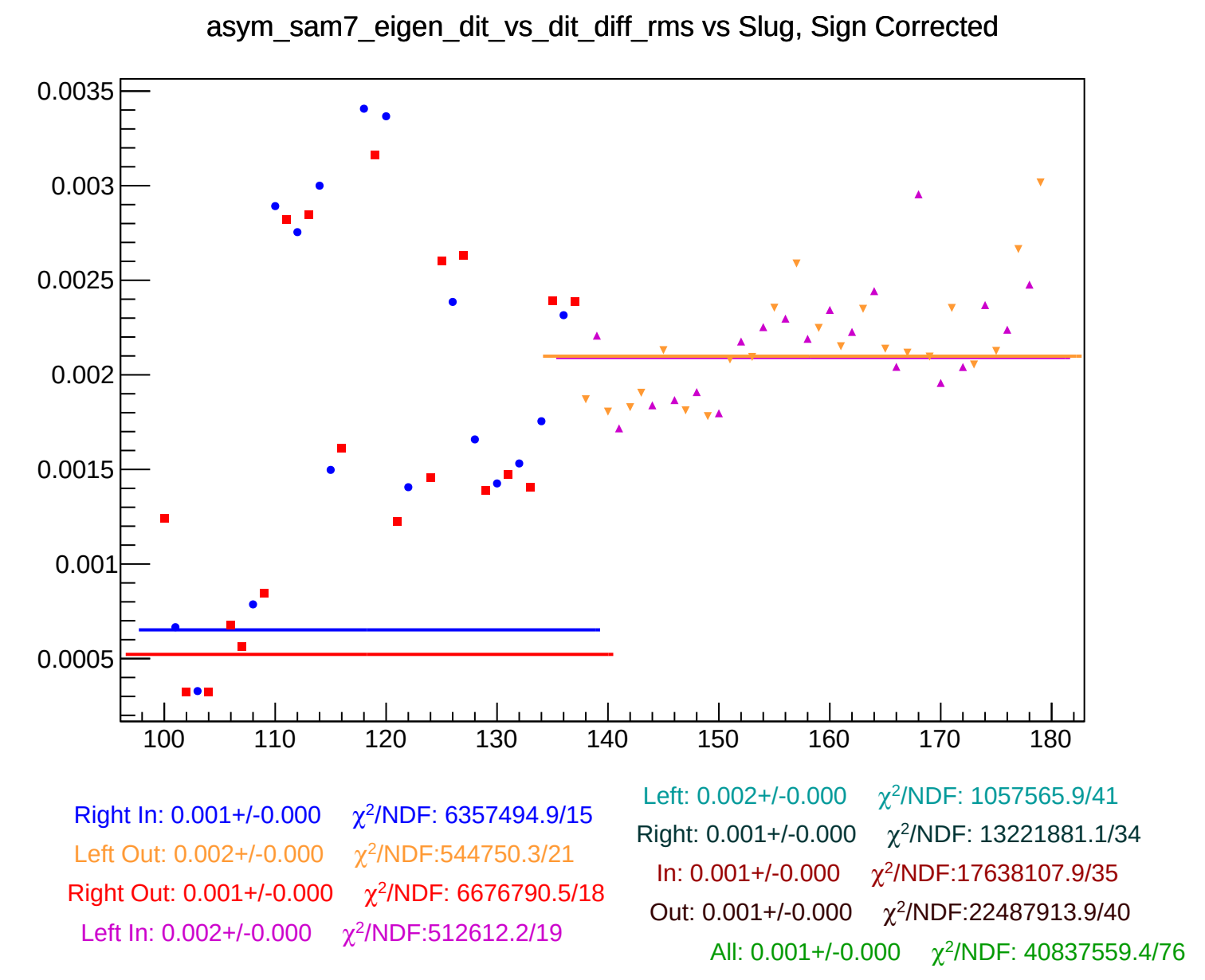
Left: -0.000+/-0.000 χ^2/NDF: 47.7/41

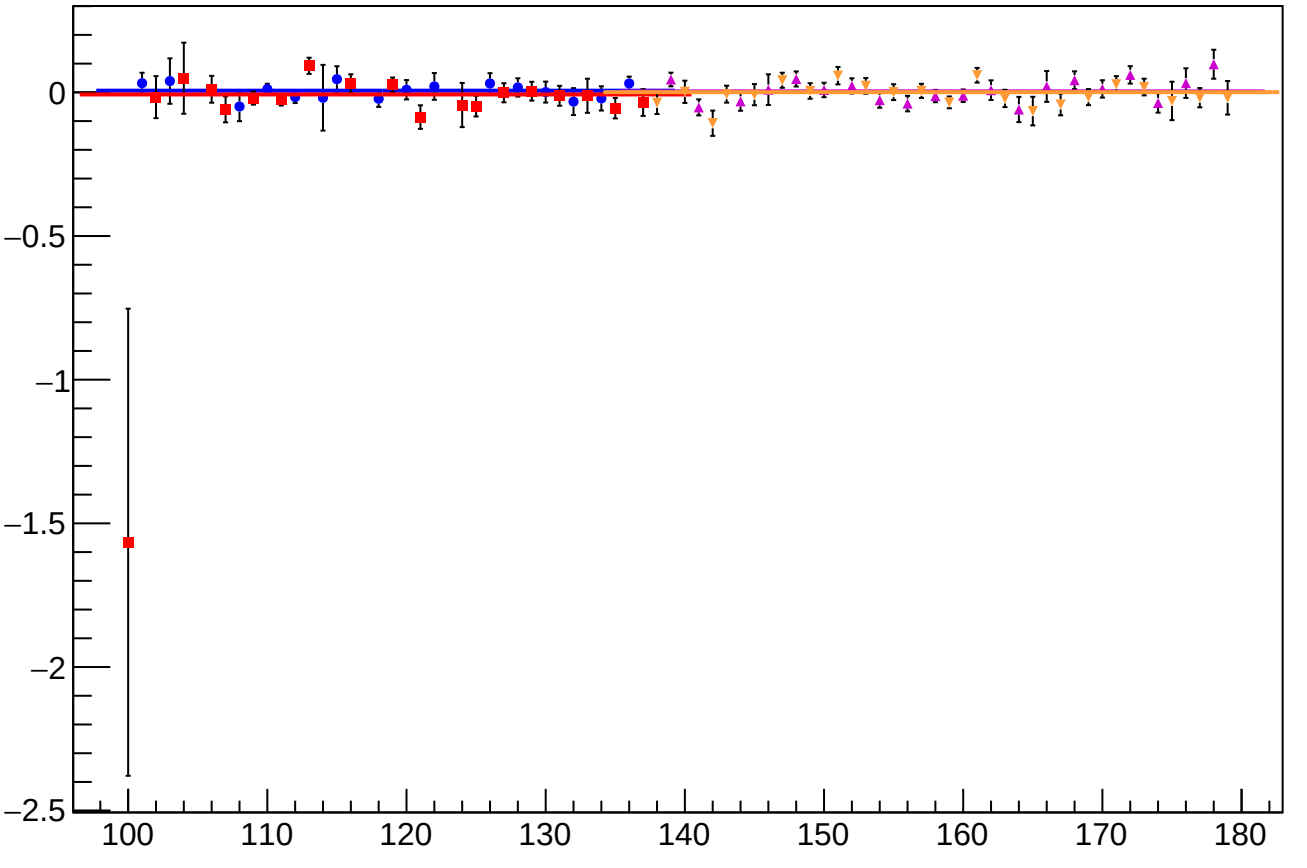
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.0/35

Out: -0.000+/-0.000 χ^2/NDF:58.0/40

All: -0.000+/-0.000 χ^2/NDF: 92.0/76


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:544750.3/21
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:512612.2/19
Left: 0.002+/-0.000 χ²/NDF: 1057565.9/41
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:17638107.9/35
Out: 0.001+/-0.000 χ²/NDF:22487913.9/40
All: 0.001+/-0.000 χ²/NDF: 40837559.4/76



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:28.9/19

Left: 0.002+/-0.005 χ^2/NDF: 57.0/41

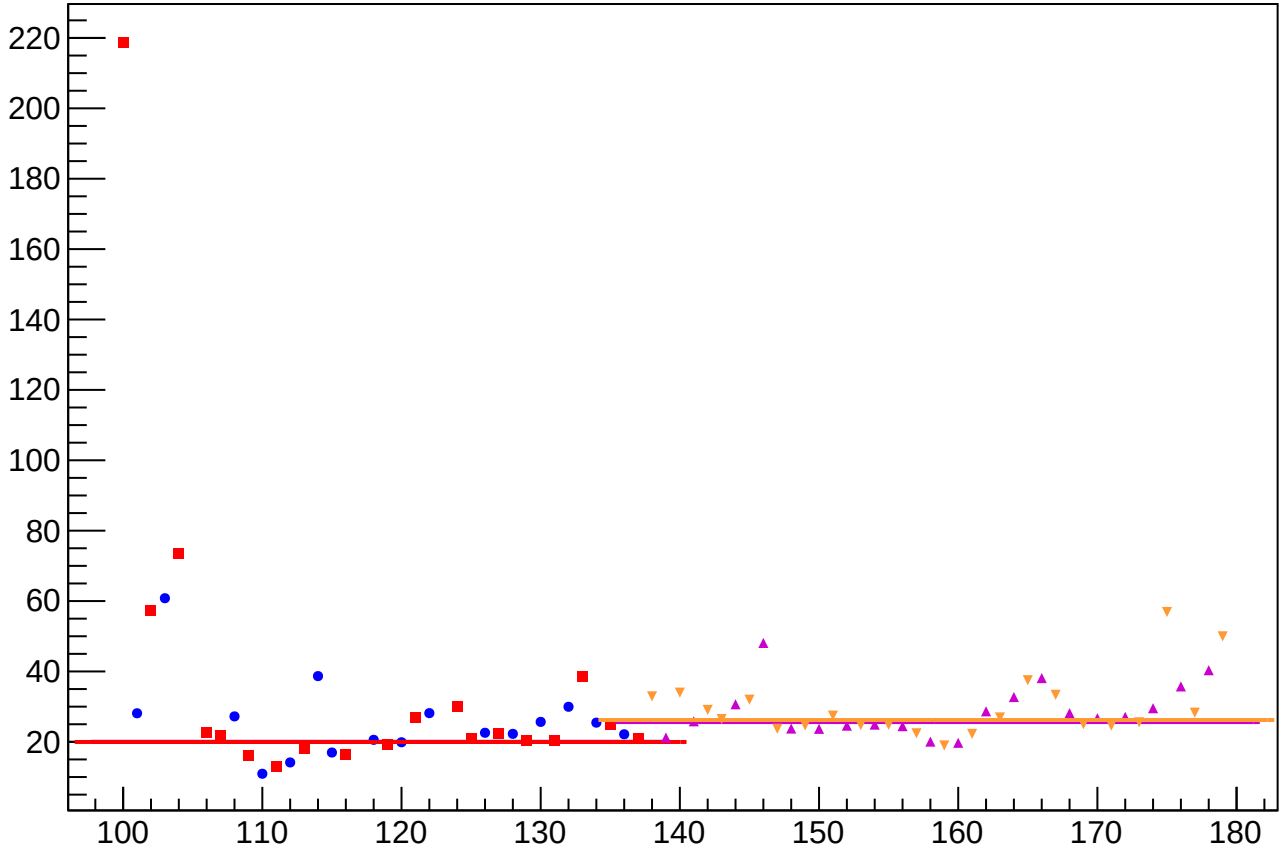
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 96.1/76

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523294.3/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

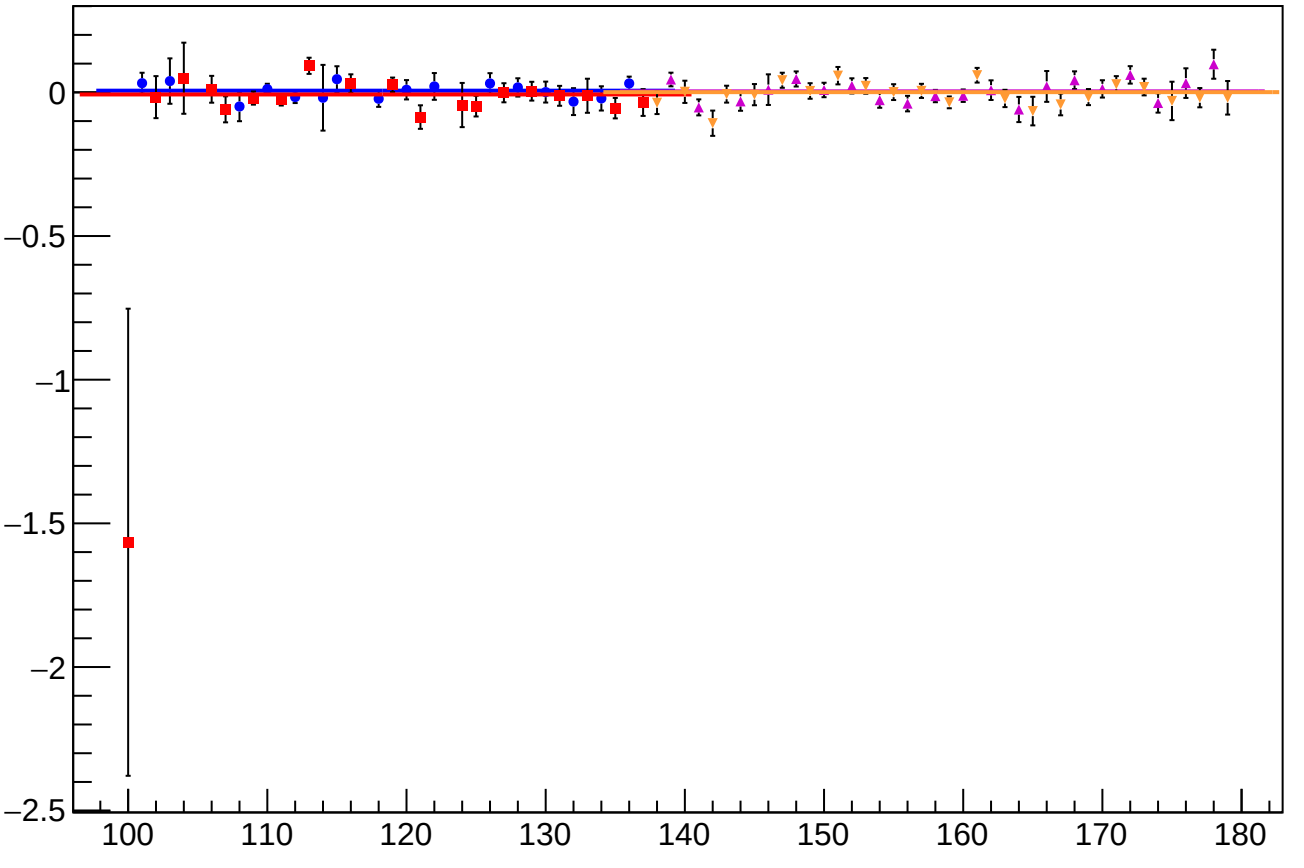
Left: 25.914+/-0.003 χ^2/NDF: 2786045.8/41

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.371+/-0.004 χ^2/NDF:3464094.6/35

Out: 23.721+/-0.004 χ^2/NDF:3955435.2/40

All: 23.548+/-0.003 χ^2/NDF: 7424174.6/76



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:28.0/21

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:28.9/19

Left: 0.002+/-0.005 χ^2/NDF: 57.0/41

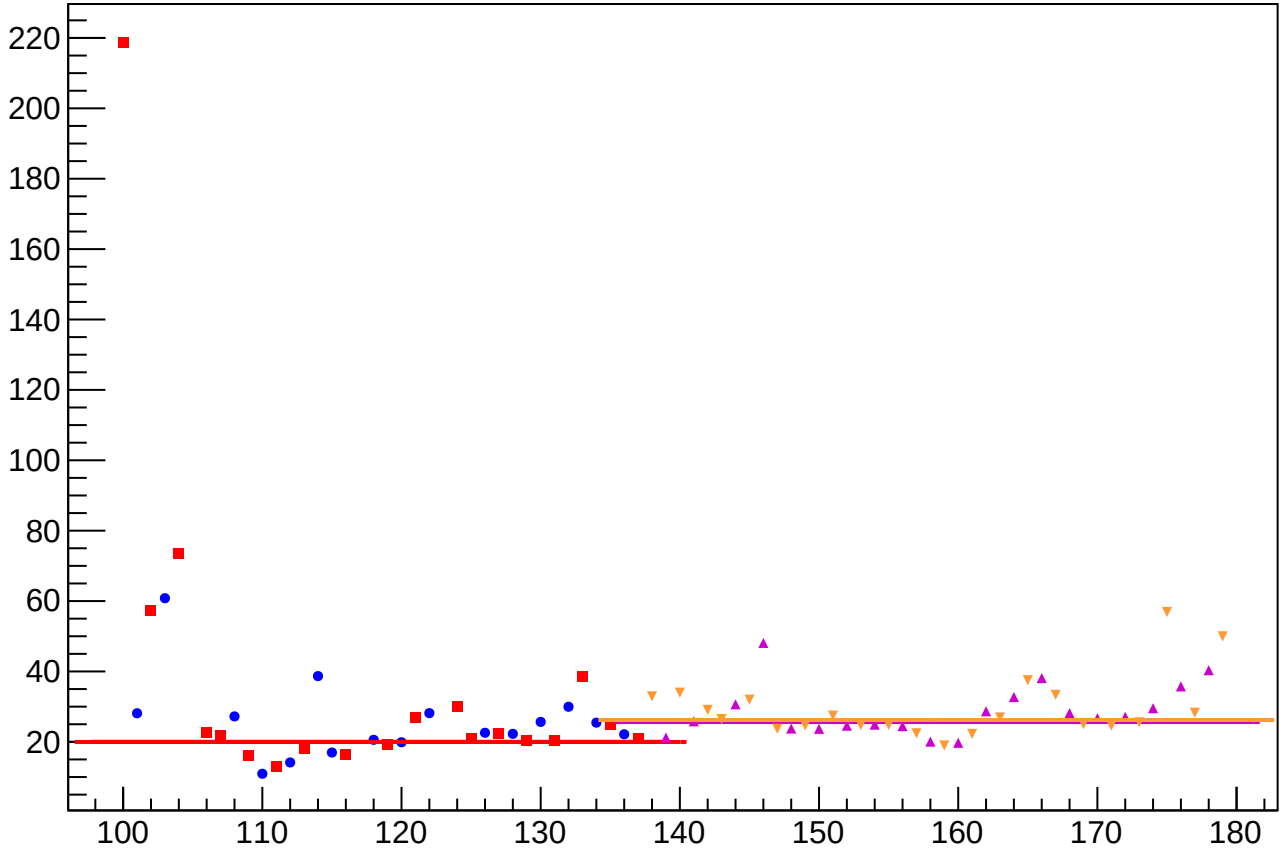
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.4/40

All: 0.001+/-0.004 χ^2/NDF: 96.1/76

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.199+/-0.005 χ^2/NDF:1523294.3/21

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

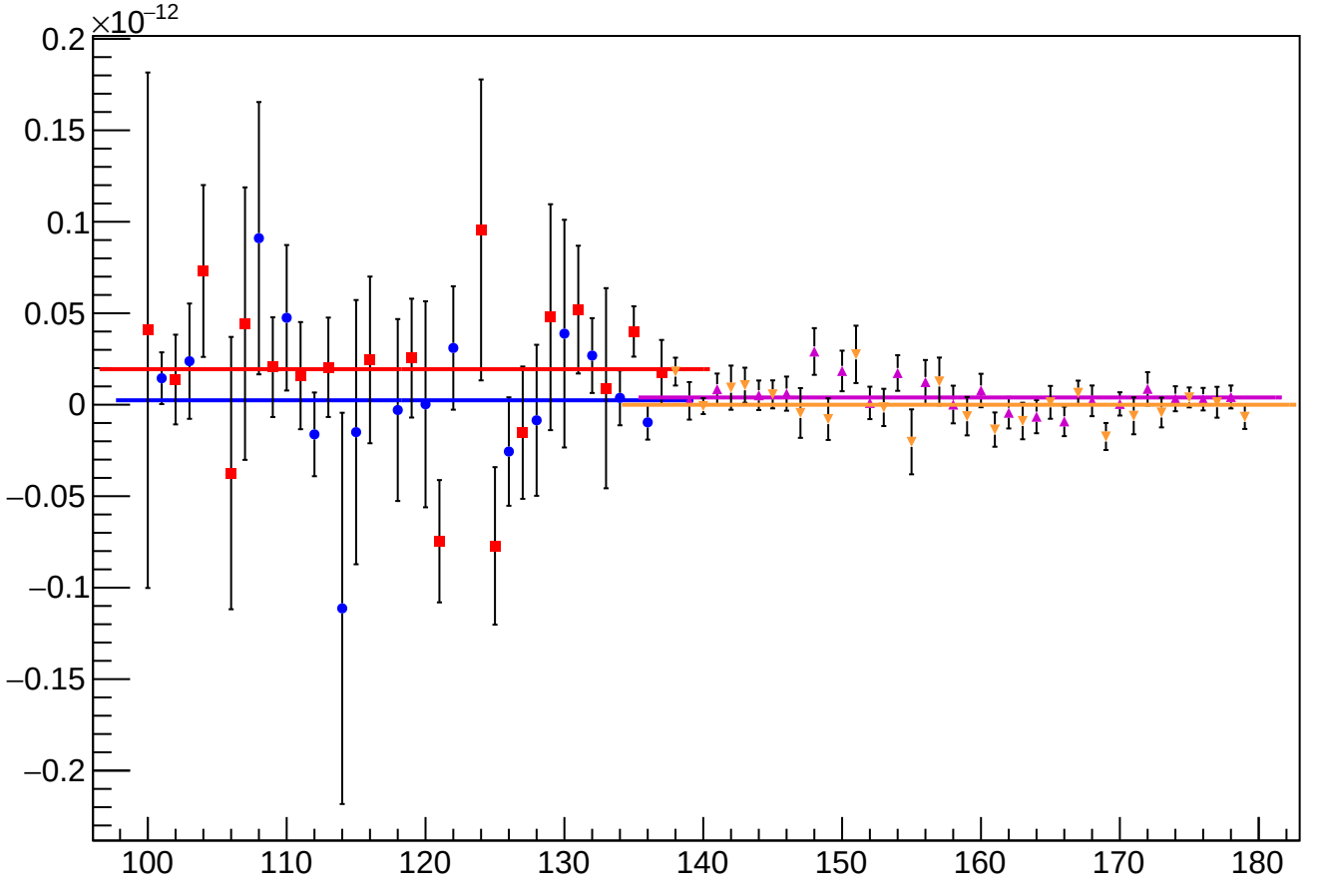
Left: 25.914+/-0.003 χ^2/NDF: 2786045.8/41

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.371+/-0.004 χ^2/NDF:3464094.6/35

Out: 23.721+/-0.004 χ^2/NDF:3955435.2/40

All: 23.548+/-0.003 χ^2/NDF: 7424174.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/19

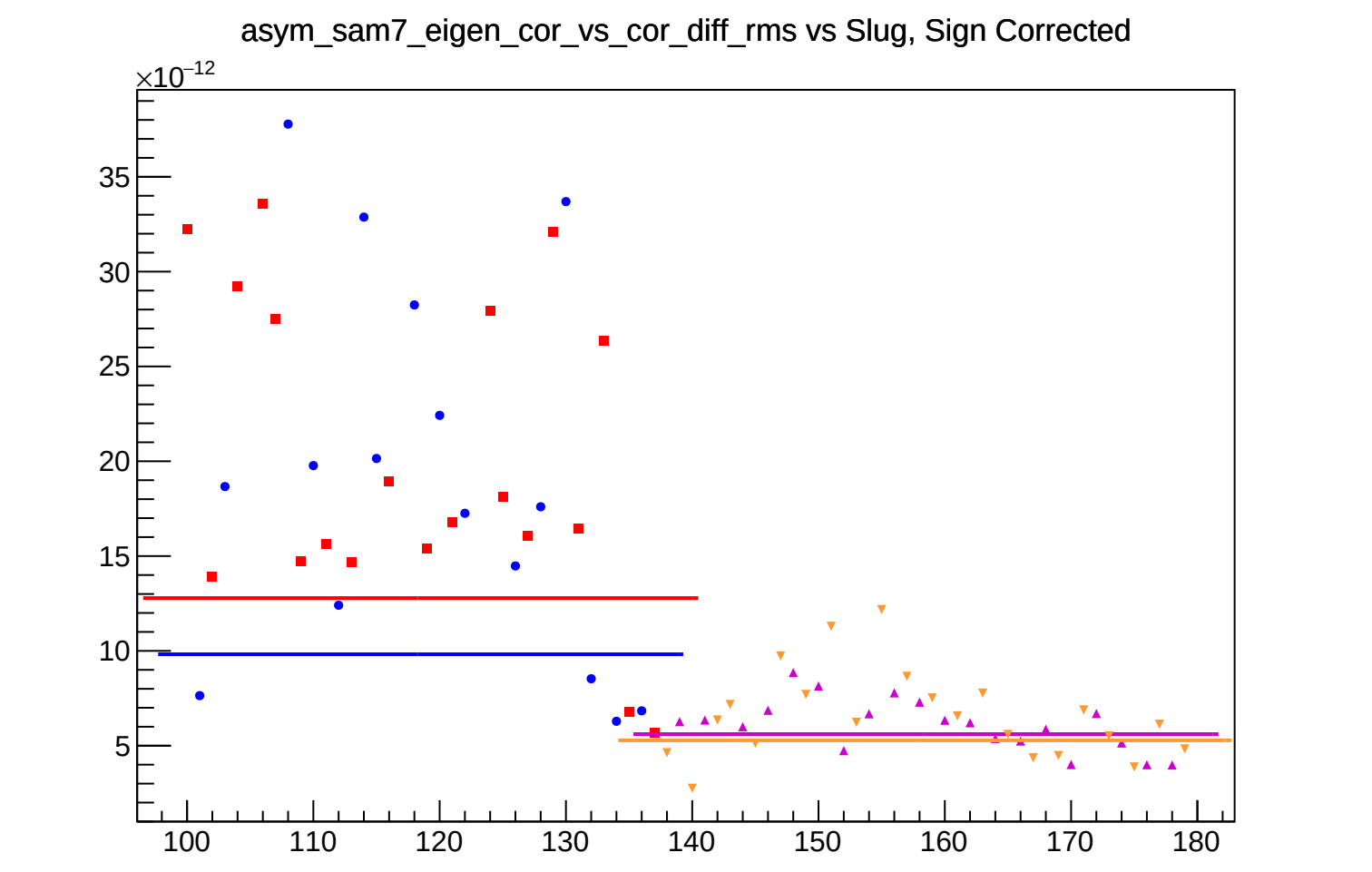
Left: 0.000+/-0.000 χ^2/NDF: 42.7/41

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:25.2/35

Out: 0.000+/-0.000 χ^2/NDF:53.3/40

All: 0.000+/-0.000 χ^2/NDF: 79.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2371073.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:927340.3/19

Left: 0.000+/-0.000 χ^2/NDF: 3330742.5/41

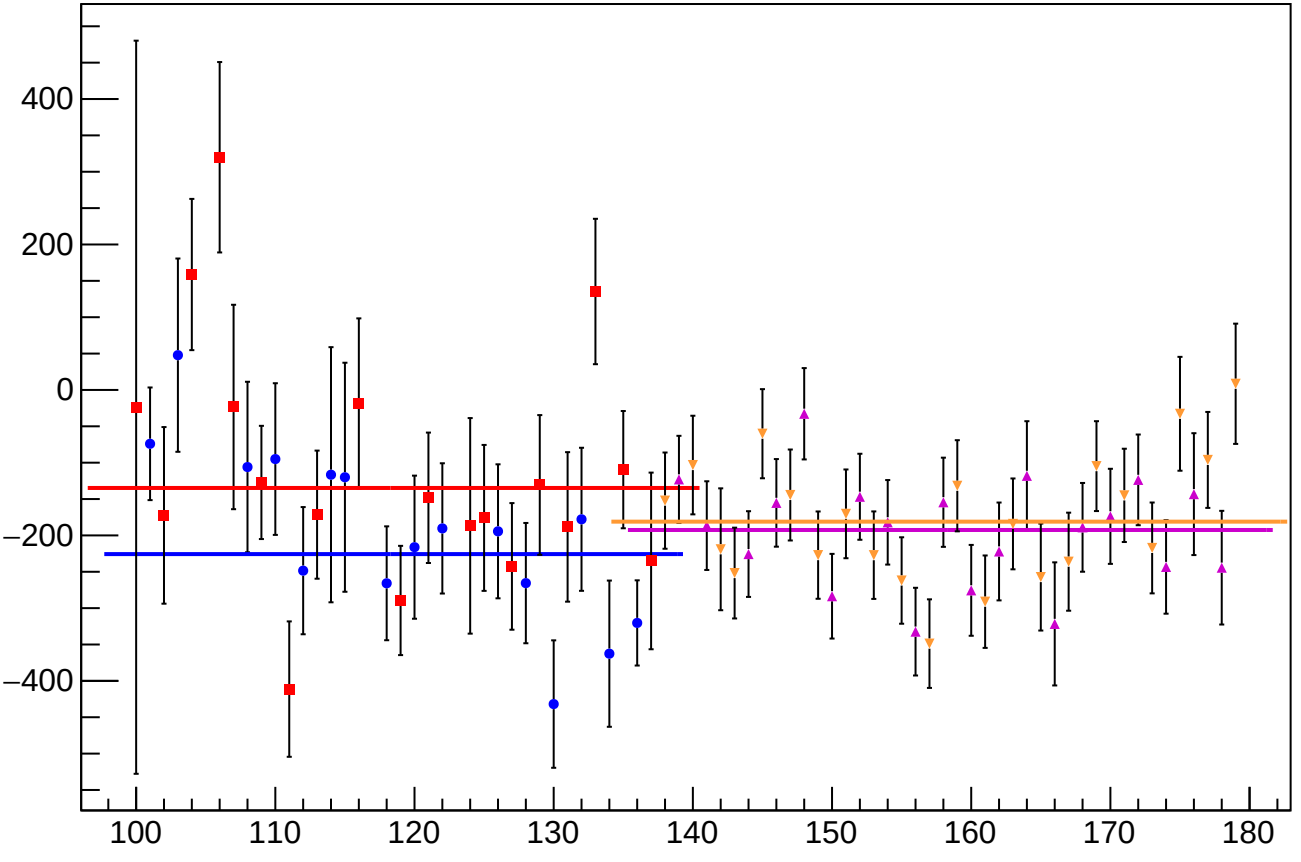
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:3884054.3/35

Out: 0.000+/-0.000 χ^2/NDF:6296521.5/40

All: 0.000+/-0.000 χ^2/NDF: 10209827.7/76

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.071+/-13.858 χ^2/NDF:35.9/21

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -192.541+/-14.307 χ^2/NDF:25.4/19

Left: -186.623+/-9.954 χ^2/NDF: 61.6/41

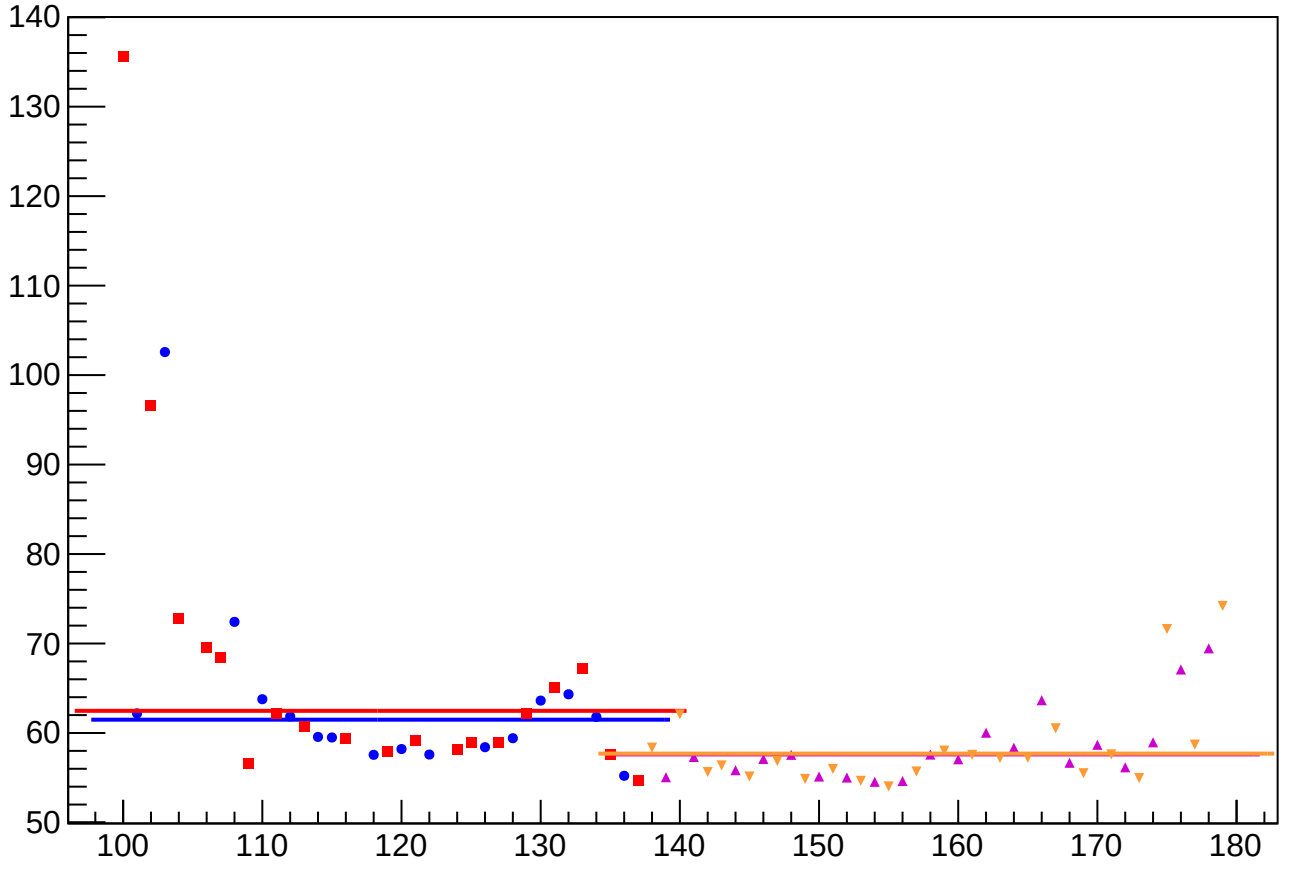
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -201.721+/-12.166 χ^2/NDF:49.5/35

Out: -168.887+/-11.896 χ^2/NDF:84.1/40

All: -184.936+/-8.505 χ^2/NDF: 137.3/76

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

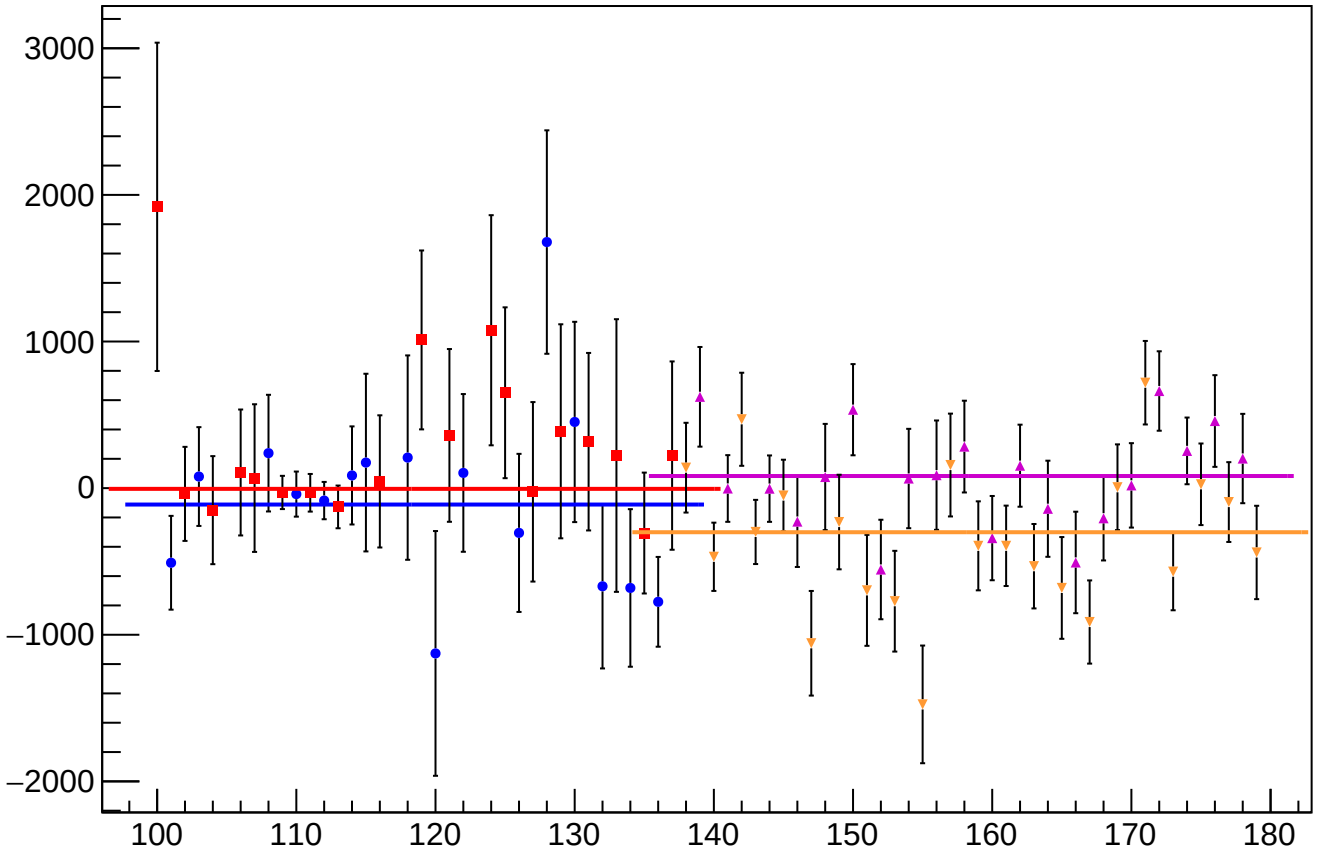
Left: 57.650+/-0.007 χ^2/NDF: 300401.0/41

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.678+/-0.009 χ^2/NDF:402799.9/35

Out: 58.952+/-0.008 χ^2/NDF:532834.6/40

All: 58.818+/-0.006 χ^2/NDF: 936156.1/76



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -300.686+/-62.545 χ^2/NDF:51.1/21

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 82.673+/-65.751 χ^2/NDF:23.3/19

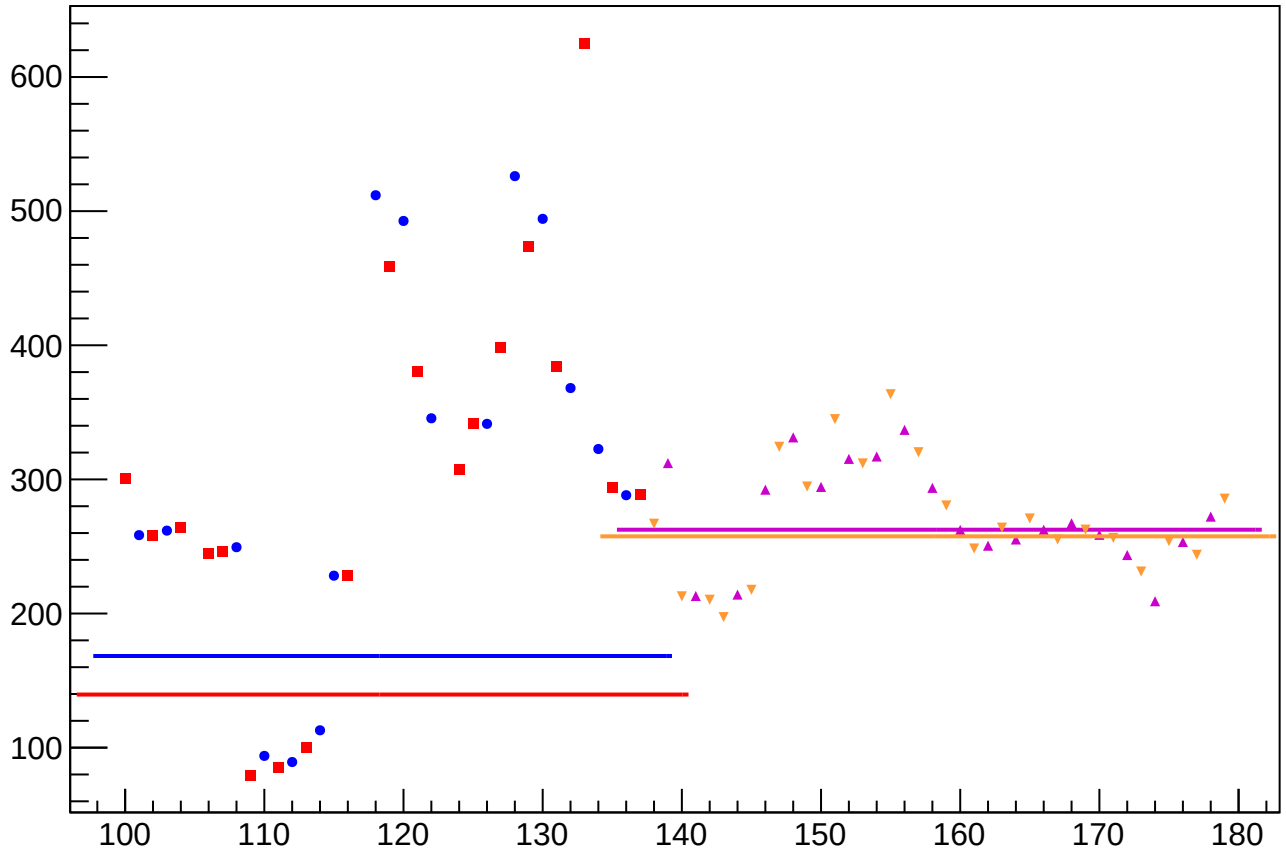
Left: -118.580+/-45.317 χ^2/NDF: 92.3/41

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -0.346+/-49.784 χ^2/NDF:45.5/35

Out: -156.034+/-44.709 χ^2/NDF:73.7/40

All: -86.529+/-33.264 χ^2/NDF: 124.6/76



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840755.5/21

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.484+/-0.046 χ^2/NDF:669144.1/19

Left: 259.893+/-0.032 χ^2/NDF: 1515816.7/41

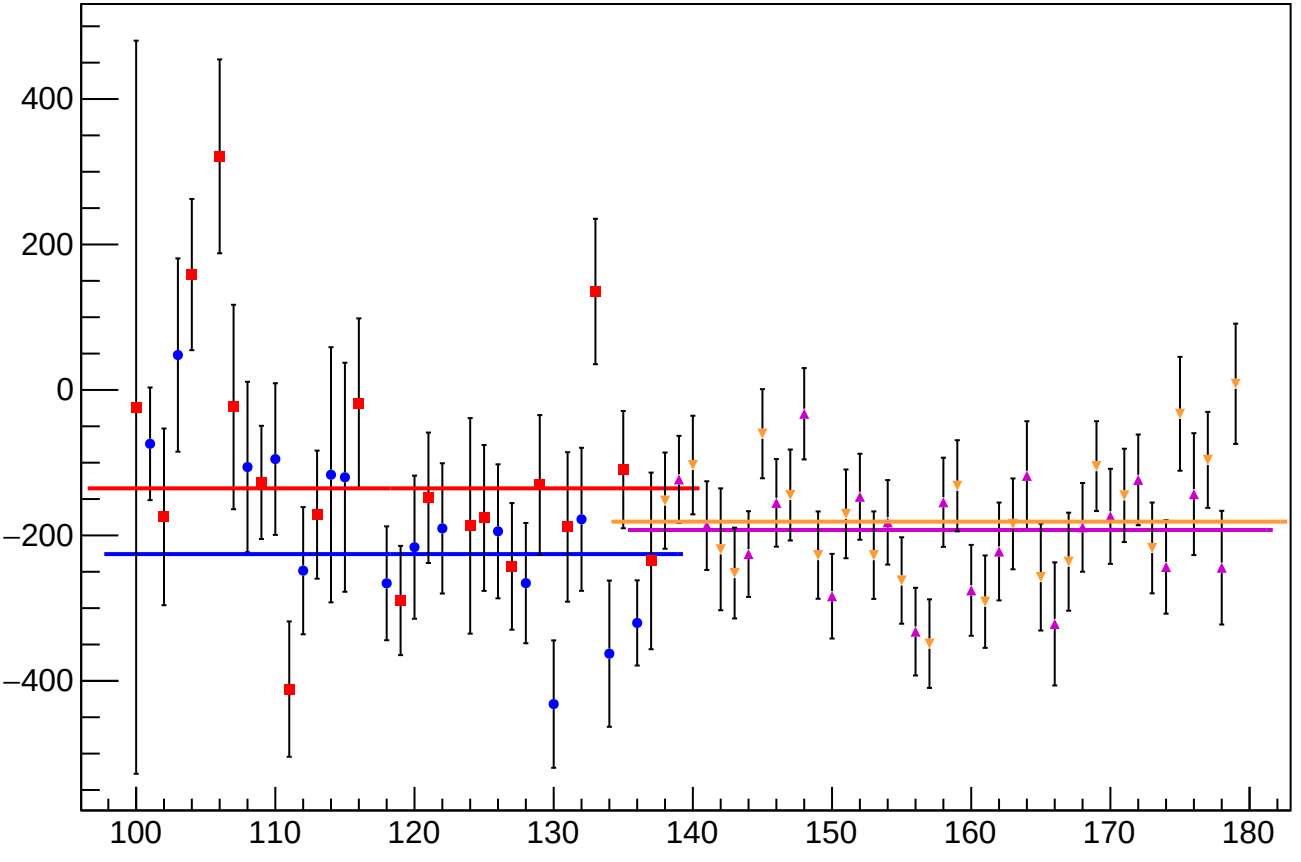
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 222.308+/-0.035 χ^2/NDF:6963193.9/35

Out: 199.865+/-0.032 χ^2/NDF:9473557.4/40

All: 209.884+/-0.024 χ^2/NDF: 16661748.0/76

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -192.541+/-14.307 χ^2/NDF:25.4/19

Left: -186.622+/-9.954 χ^2/NDF: 61.6/41

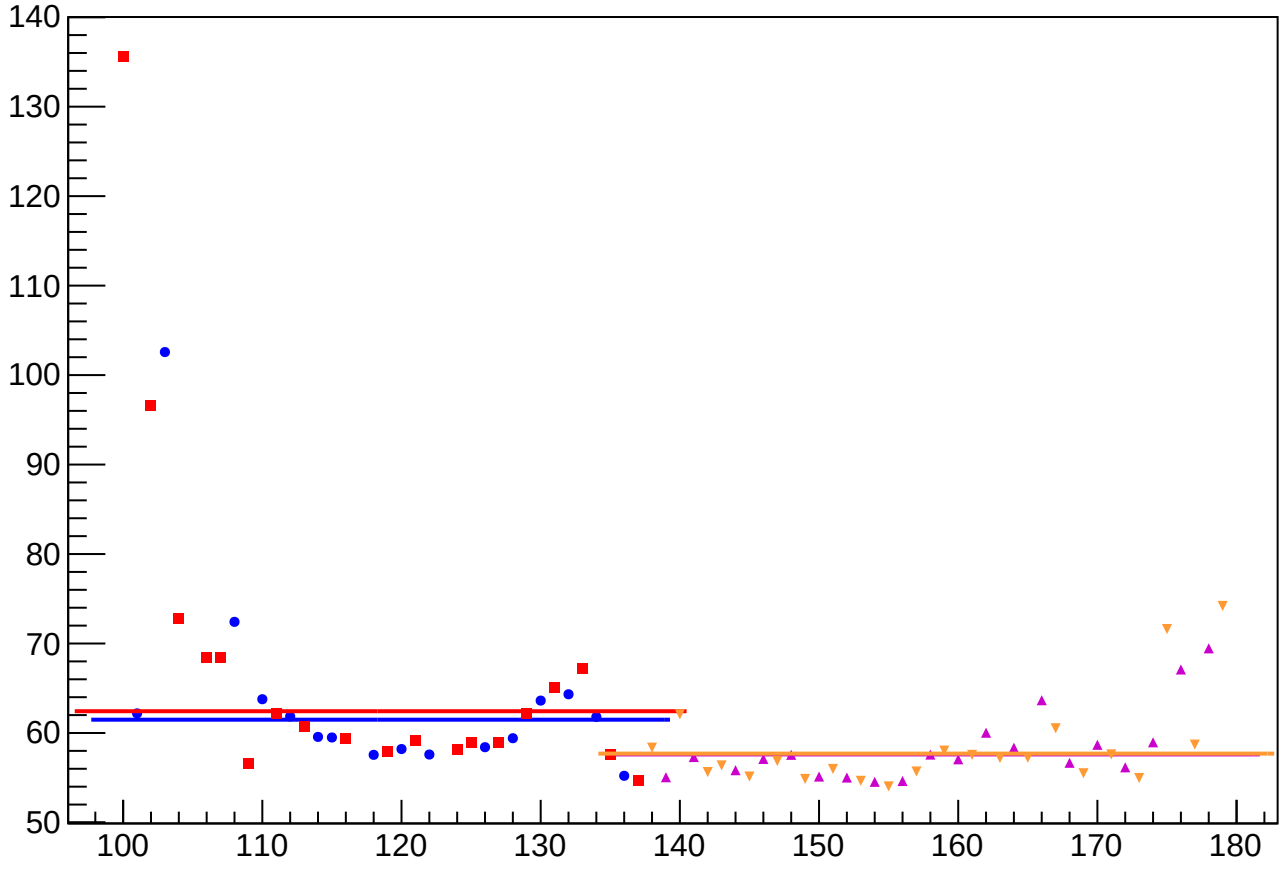
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.721+/-12.166 χ^2/NDF:49.5/35

Out: -169.039+/-11.898 χ^2/NDF:83.7/40

All: -185.016+/-8.506 χ^2/NDF: 136.8/76

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

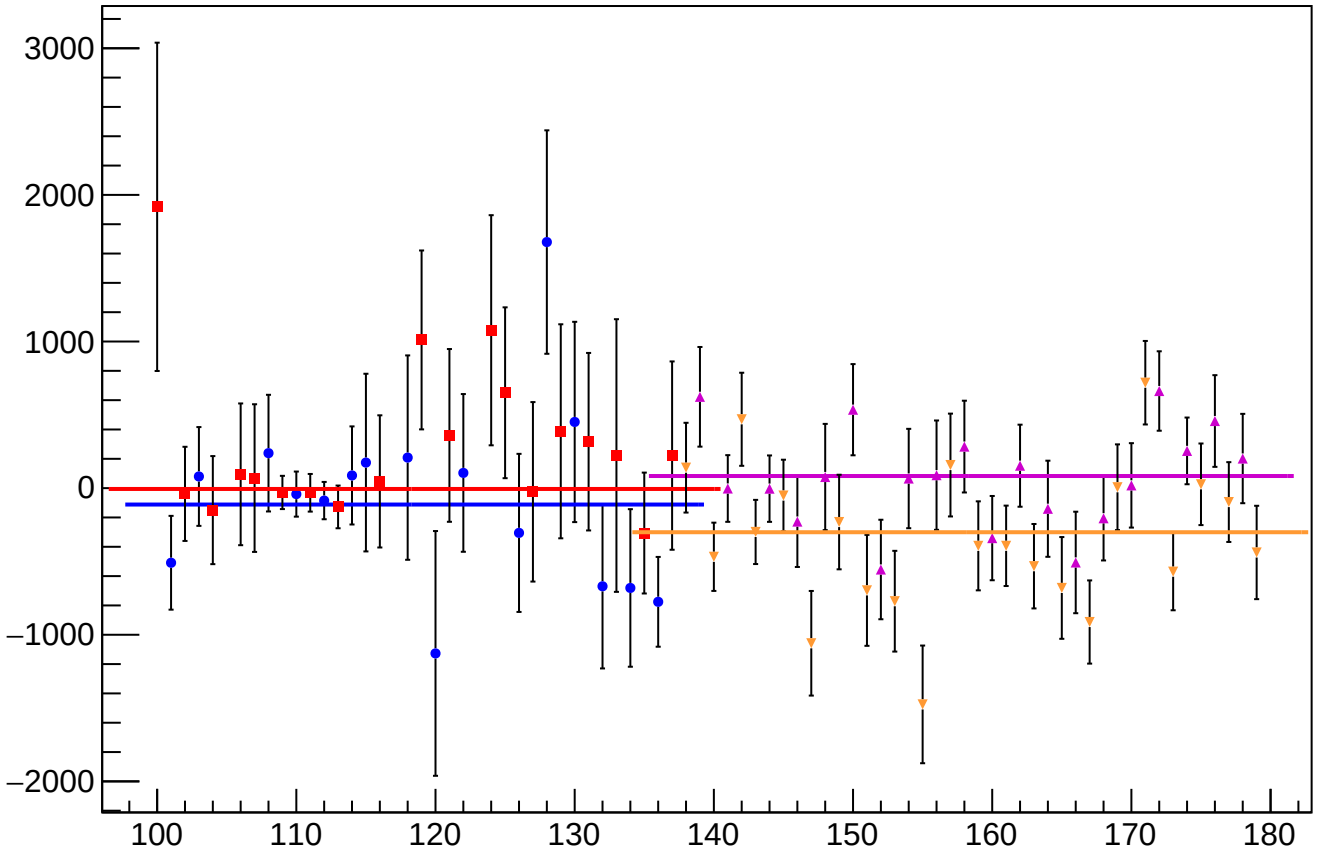
Left: 57.650+/-0.007 χ^2/NDF: 300401.0/41

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.678+/-0.009 χ^2/NDF:402802.5/35

Out: 58.940+/-0.008 χ^2/NDF:529919.0/40

All: 58.812+/-0.006 χ^2/NDF: 933197.0/76



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -300.684+/-62.545 χ^2/NDF:51.1/21

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 82.670+/-65.751 χ^2/NDF:23.3/19

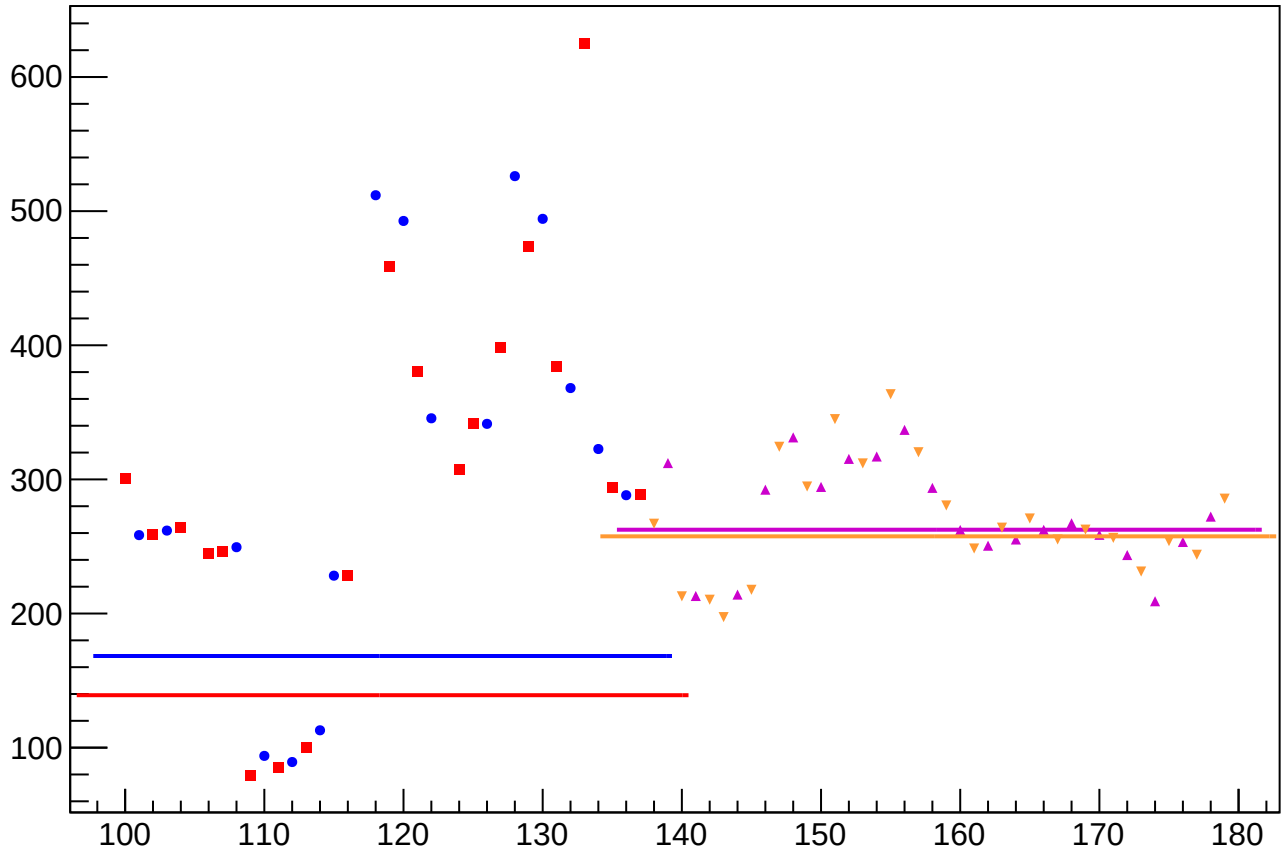
Left: -118.581+/-45.317 χ^2/NDF: 92.3/41

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -0.340+/-49.784 χ^2/NDF:45.5/35

Out: -156.737+/-44.760 χ^2/NDF:73.6/40

All: -86.825+/-33.285 χ^2/NDF: 124.5/76



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.484+/-0.046 χ^2/NDF:669142.6/19

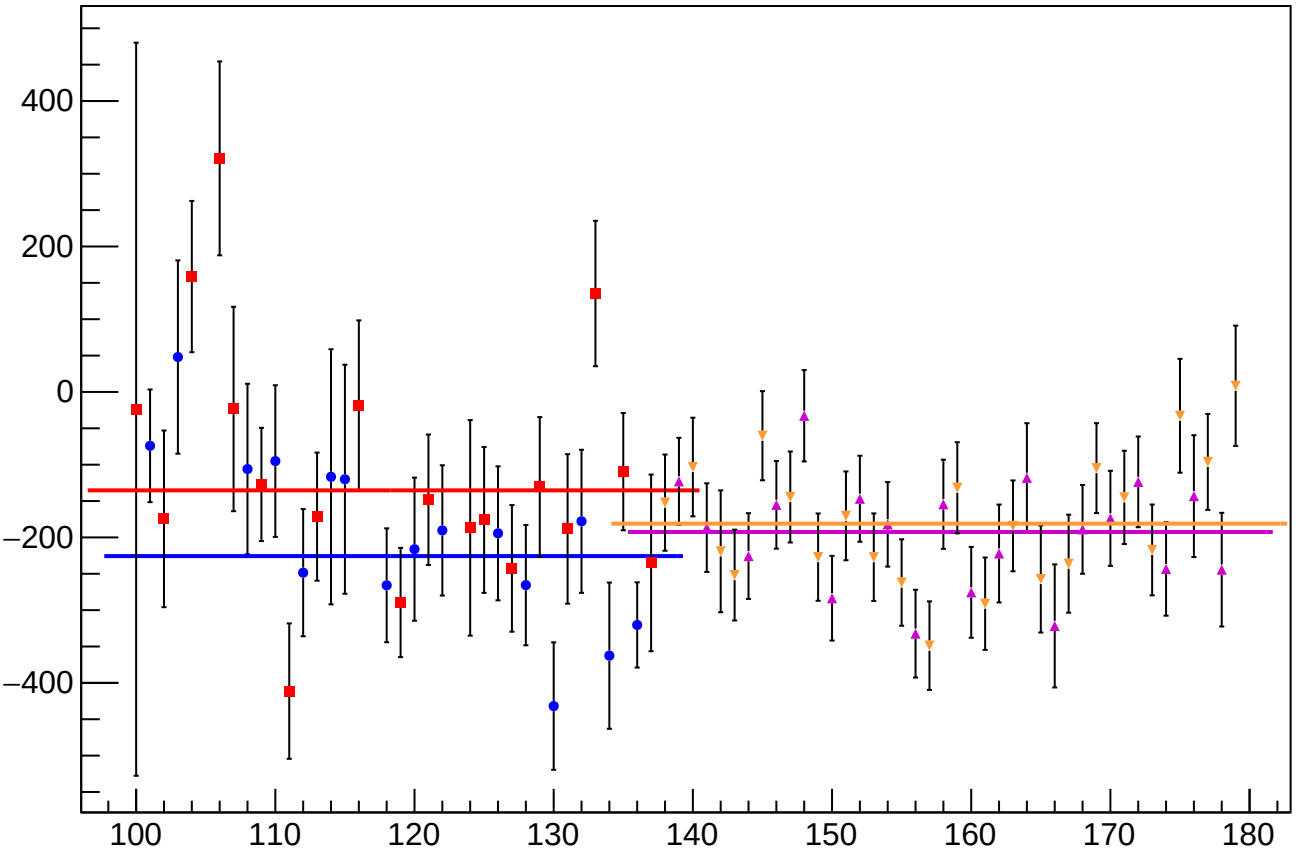
Left: 259.893+/-0.032 χ^2/NDF: 1515817.4/41

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 222.308+/-0.035 χ^2/NDF:6963225.6/35

Out: 199.766+/-0.032 χ^2/NDF:9469777.2/40

All: 209.843+/-0.024 χ^2/NDF: 16659748.0/76



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -181.068+/-13.858 χ^2/NDF:35.9/21

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -192.541+/-14.307 χ^2/NDF:25.4/19

Left: -186.622+/-9.954 χ^2/NDF: 61.6/41

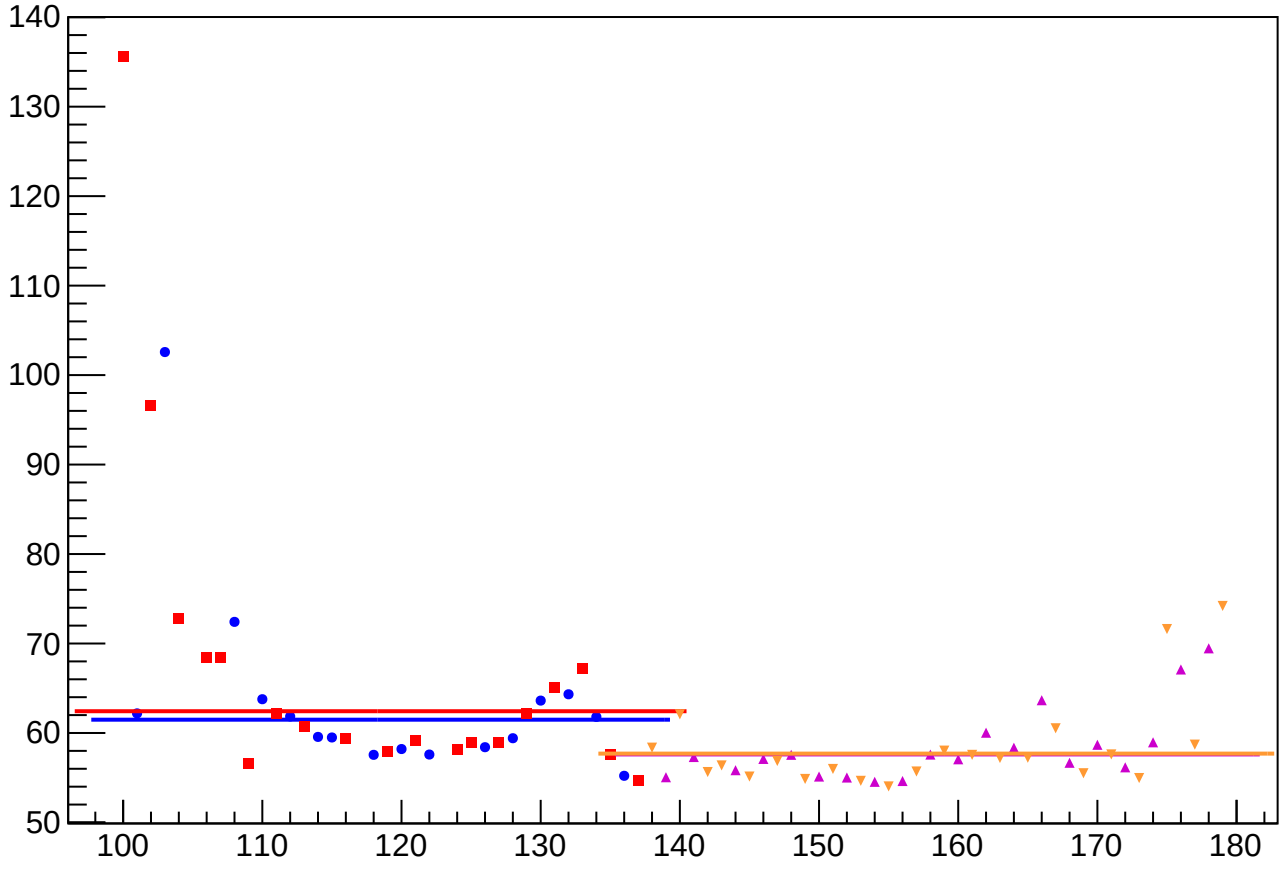
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.721+/-12.166 χ^2/NDF:49.5/35

Out: -169.039+/-11.898 χ^2/NDF:83.7/40

All: -185.016+/-8.506 χ^2/NDF: 136.8/76

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.694+/-0.010 χ^2/NDF:189042.0/21

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.602+/-0.010 χ^2/NDF:111316.1/19

Left: 57.650+/-0.007 χ^2/NDF: 300401.0/41

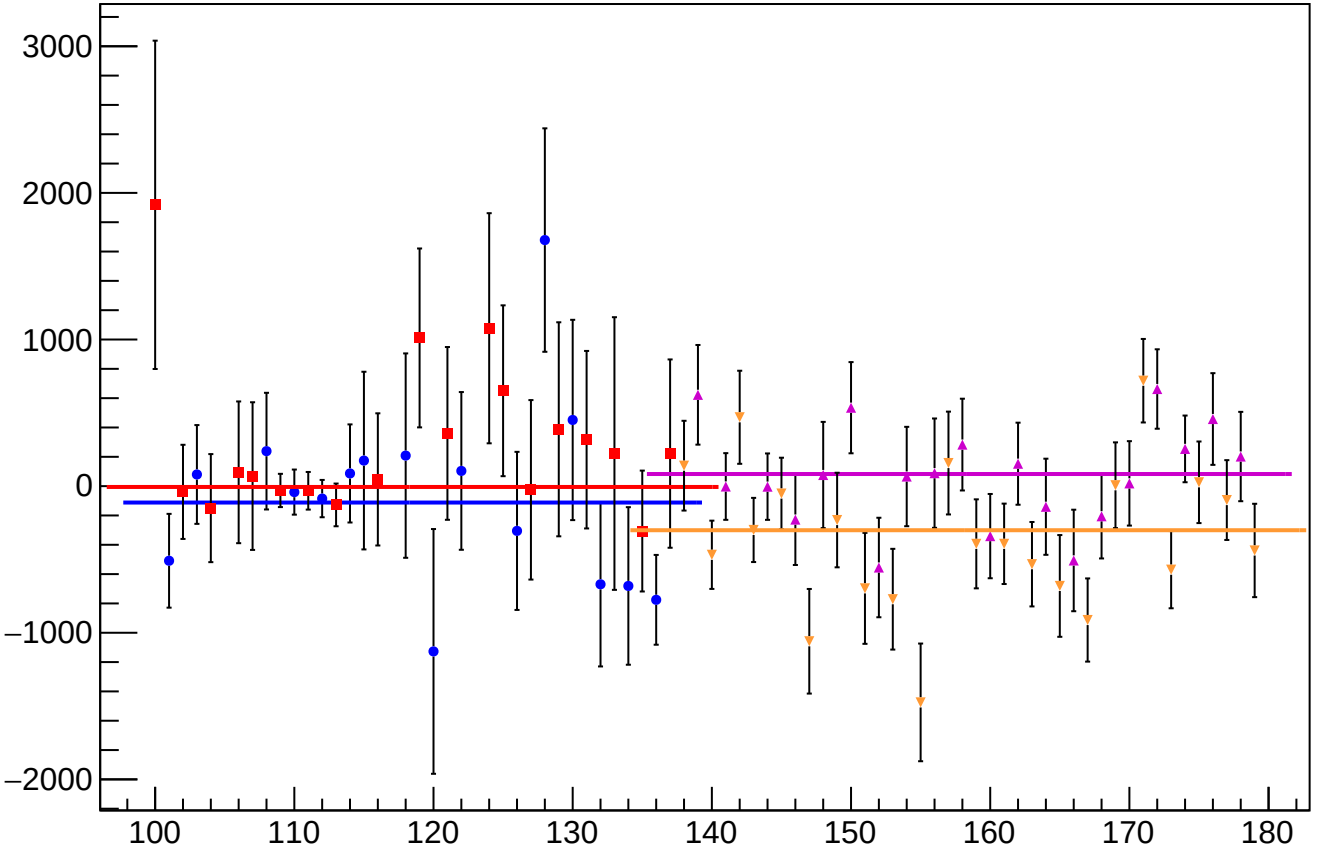
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.678+/-0.009 χ^2/NDF:402802.5/35

Out: 58.940+/-0.008 χ^2/NDF:529919.0/40

All: 58.812+/-0.006 χ^2/NDF: 933197.0/76

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -300.684+/-62.545 χ^2/NDF:51.1/21

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 82.670+/-65.751 χ^2/NDF:23.3/19

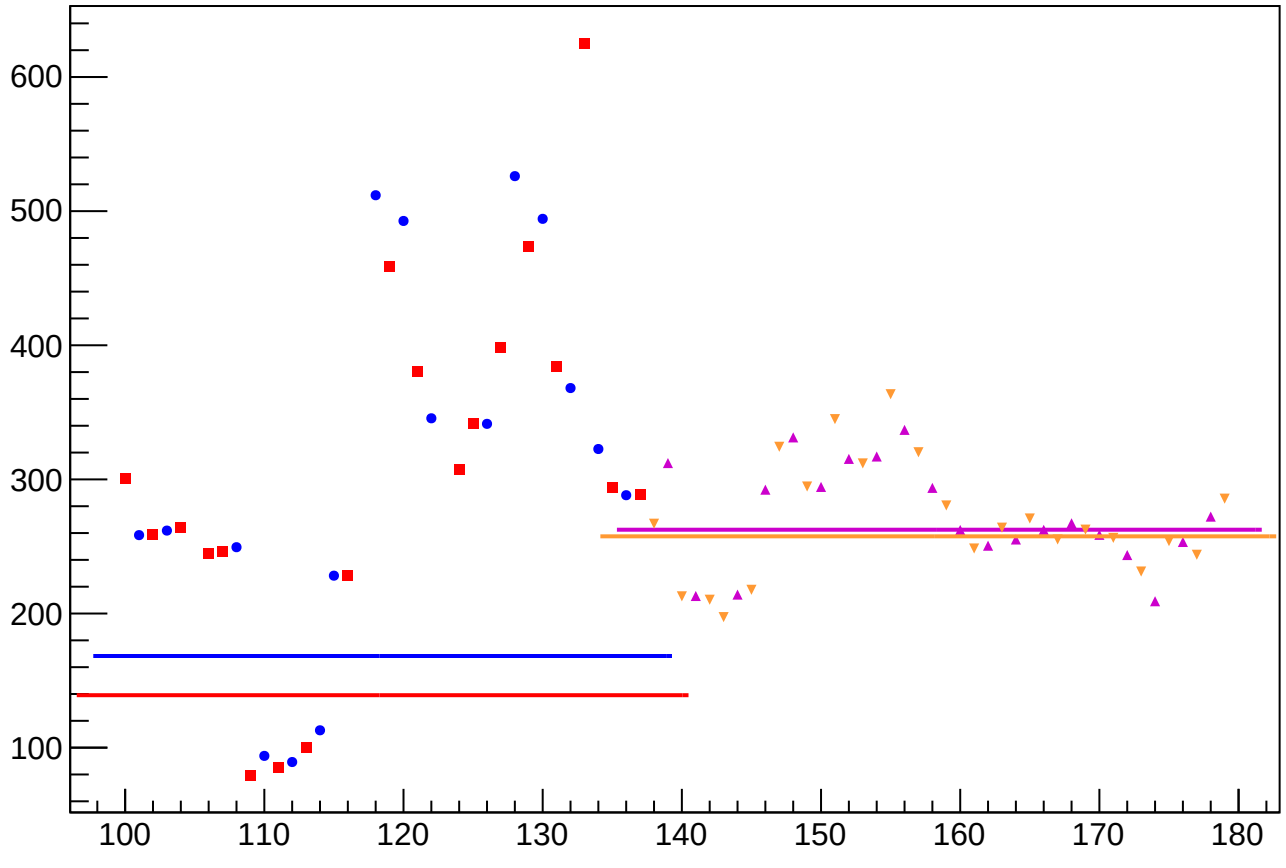
Left: -118.581+/-45.317 χ^2/NDF: 92.3/41

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -0.340+/-49.784 χ^2/NDF:45.5/35

Out: -156.737+/-44.760 χ^2/NDF:73.6/40

All: -86.825+/-33.285 χ^2/NDF: 124.5/76



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.044 χ^2/NDF:840757.1/21

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.484+/-0.046 χ^2/NDF:669142.6/19

Left: 259.893+/-0.032 χ^2/NDF: 1515817.4/41

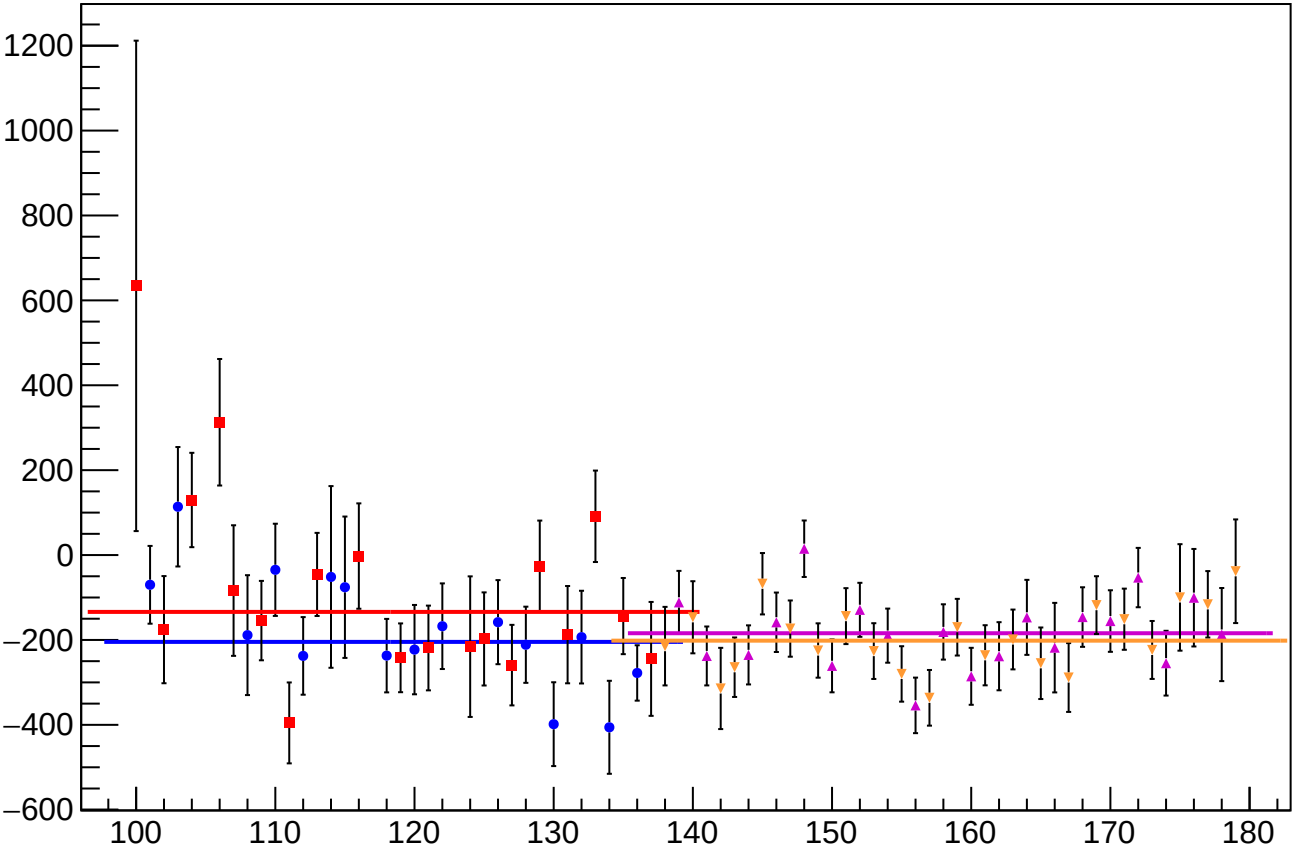
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 222.308+/-0.035 χ^2/NDF:6963225.6/35

Out: 199.766+/-0.032 χ^2/NDF:9469777.2/40

All: 209.843+/-0.024 χ^2/NDF: 16659748.0/76

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.661+/-15.820 χ^2/NDF:20.7/21

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -184.164+/-16.289 χ^2/NDF:28.6/19

Left: -193.168+/-11.349 χ^2/NDF: 49.9/41

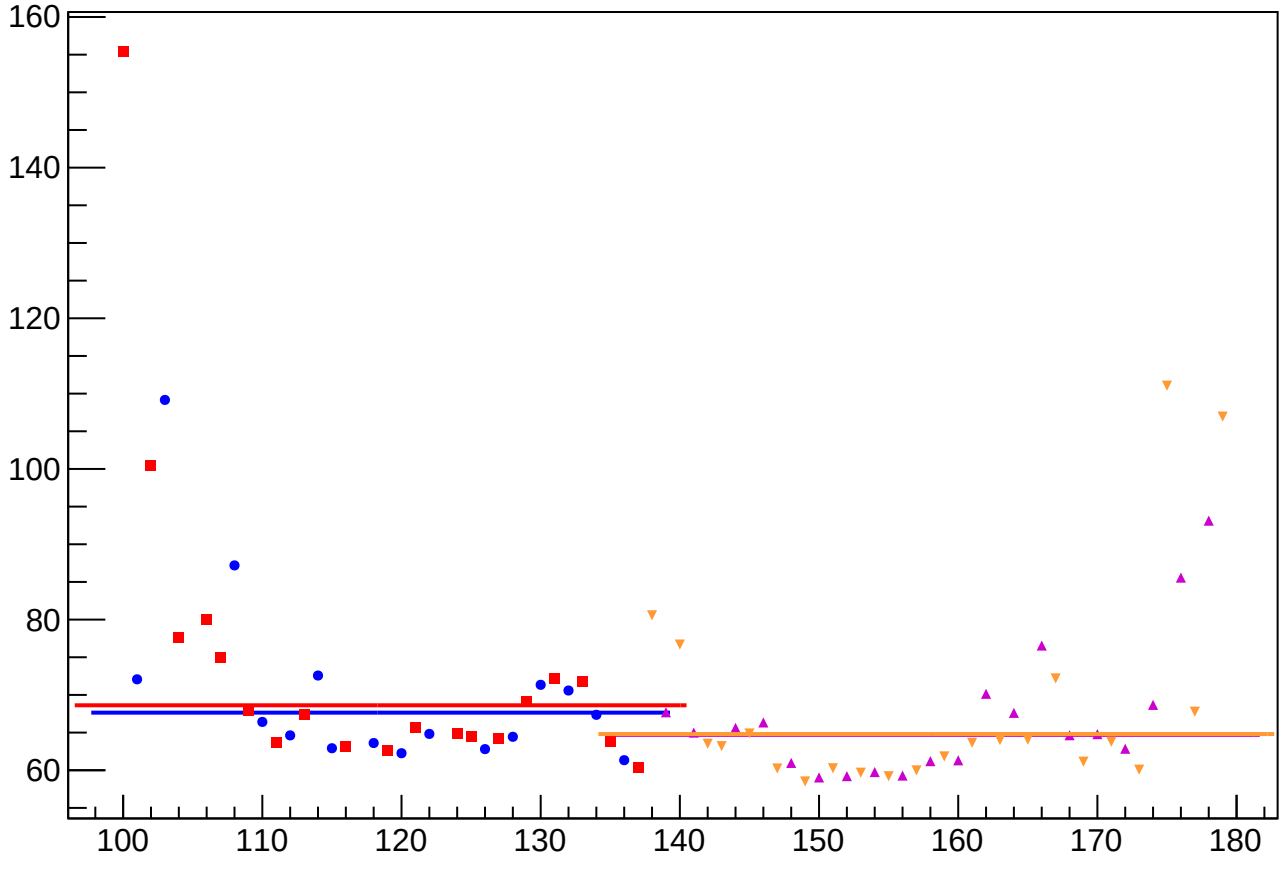
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -190.072+/-13.731 χ^2/NDF:49.0/35

Out: -182.817+/-13.441 χ^2/NDF:63.0/40

All: -186.367+/-9.605 χ^2/NDF: 112.2/76

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.804+/-0.011 χ^2/NDF:725003.1/21

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.695+/-0.012 χ^2/NDF:322757.5/19

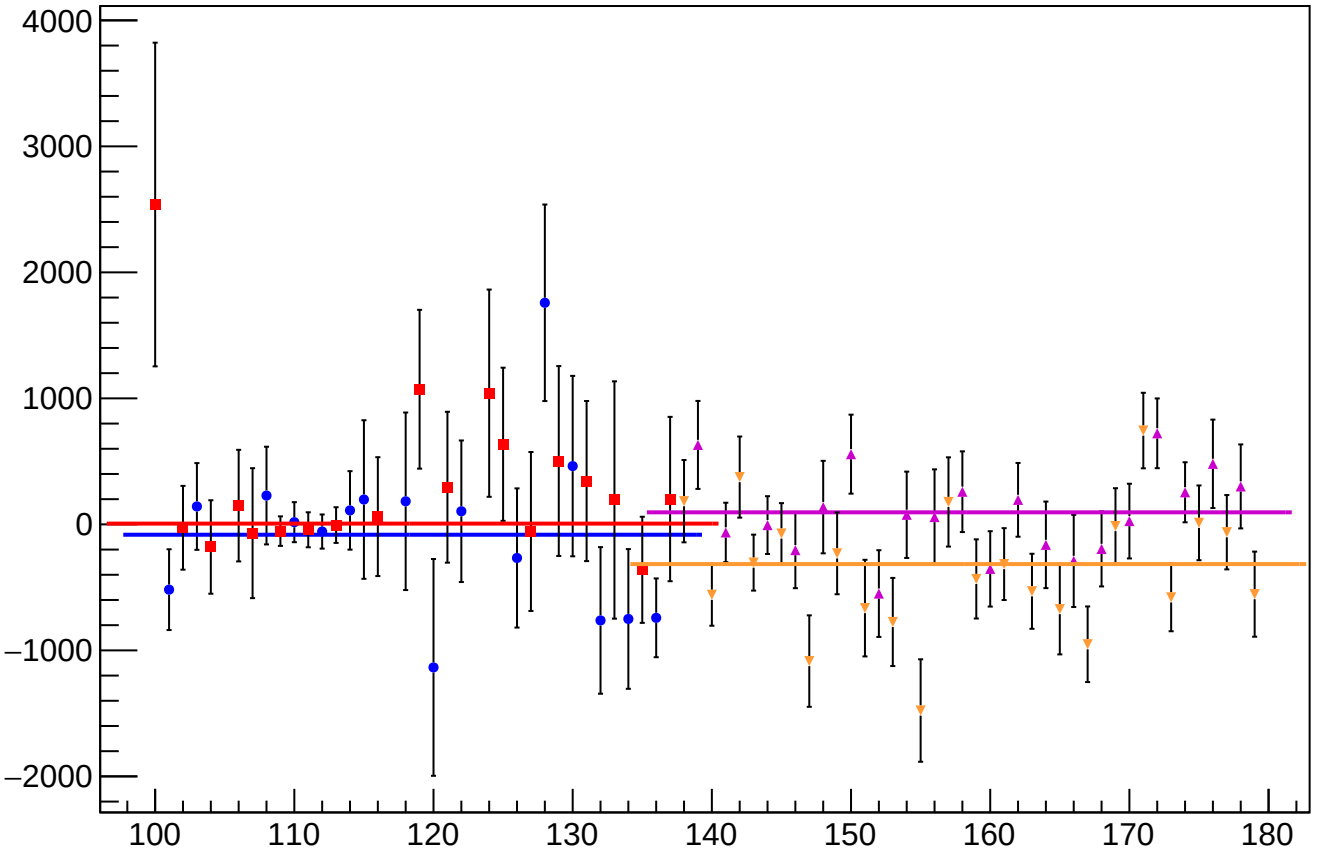
Left: 64.751+/-0.008 χ^2/NDF: 1047807.0/41

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.549+/-0.010 χ^2/NDF:605445.7/35

Out: 65.867+/-0.010 χ^2/NDF:1005600.7/40

All: 65.711+/-0.007 χ^2/NDF: 1611592.3/76



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -315.084+/-64.639 χ^2/NDF:49.2/21

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 95.569+/-67.935 χ^2/NDF:22.2/19

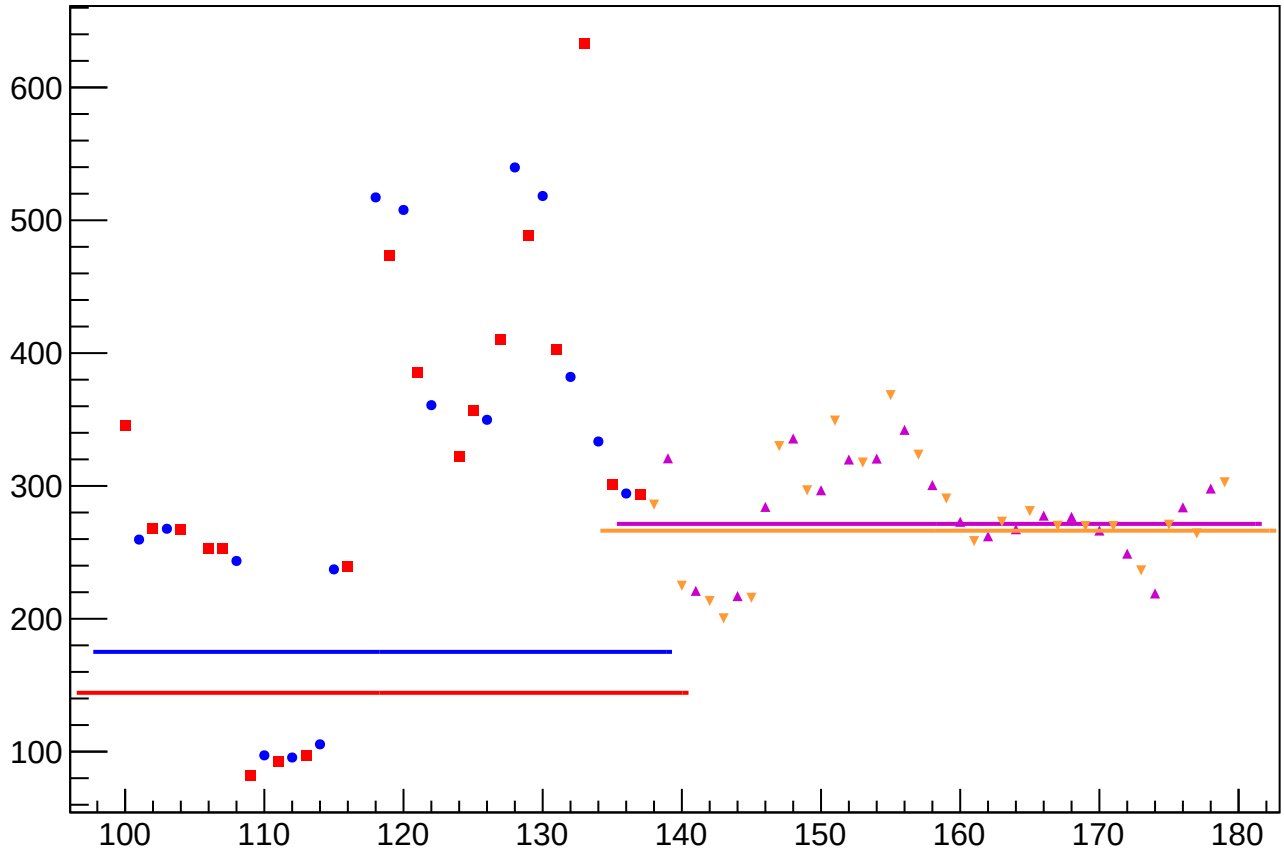
Left: -119.962+/-46.828 χ^2/NDF: 90.6/41

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 19.627+/-51.419 χ^2/NDF:44.3/35

Out: -157.638+/-46.149 χ^2/NDF:73.4/40

All: -78.551+/-34.345 χ^2/NDF: 124.3/76



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.324+/-0.046 χ^2/NDF:843243.0/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 271.438+/-0.048 χ^2/NDF:618092.2/19

Left: 268.754+/-0.033 χ^2/NDF: 1467284.9/41

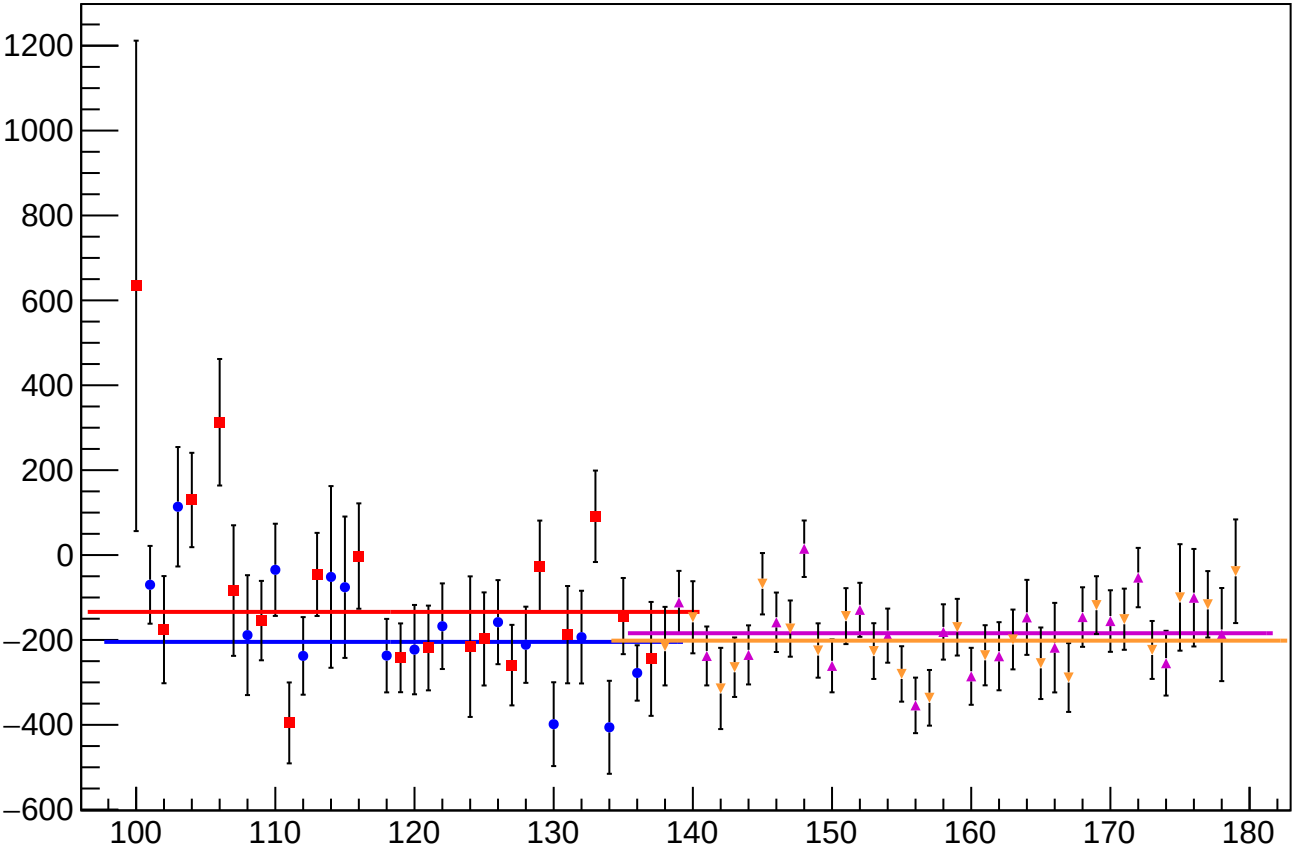
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 230.289+/-0.036 χ^2/NDF:6765093.2/35

Out: 206.489+/-0.033 χ^2/NDF:9471338.6/40

All: 217.107+/-0.024 χ^2/NDF: 16473759.1/76

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -201.660+/-15.820 χ^2/NDF:20.7/21

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -184.166+/-16.289 χ^2/NDF:28.6/19

Left: -193.168+/-11.349 χ^2/NDF: 49.9/41

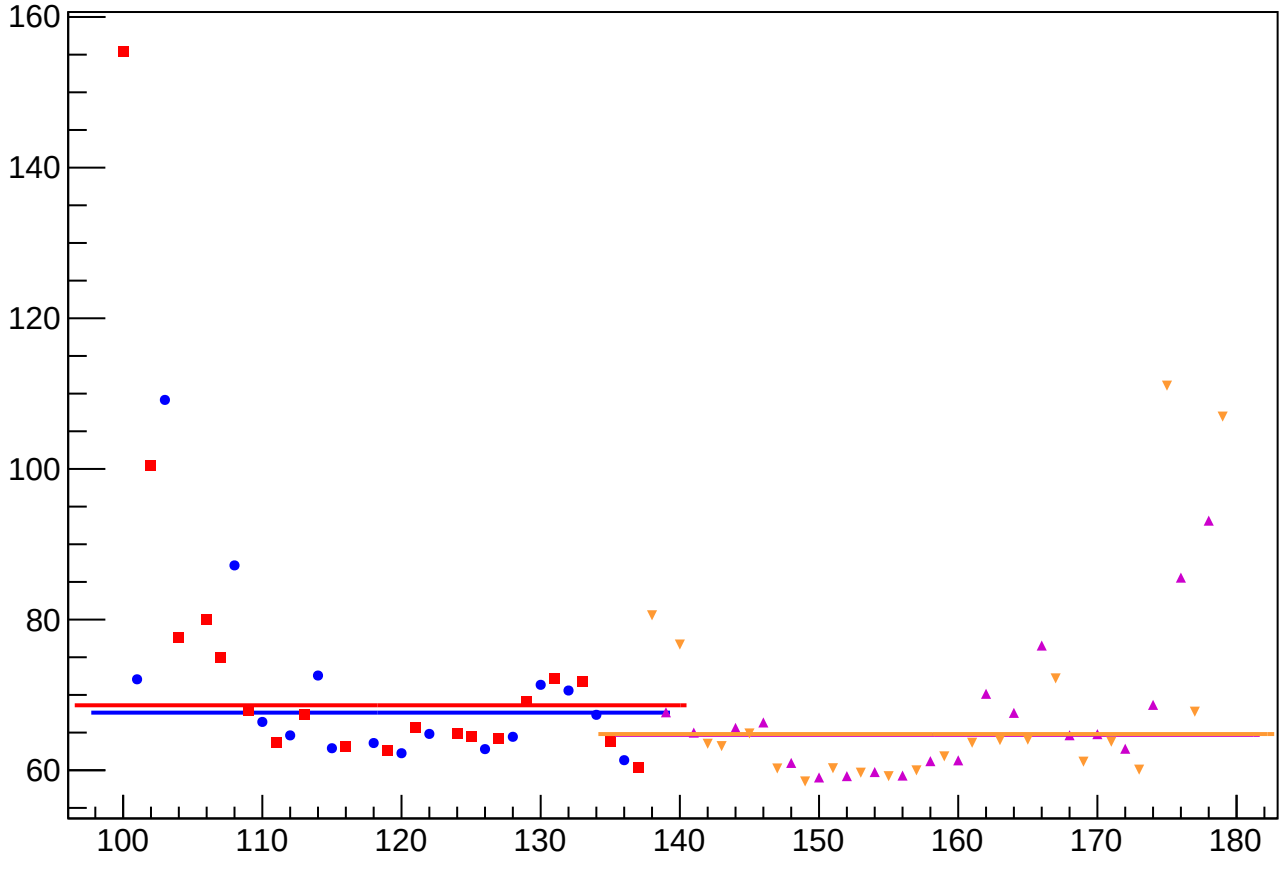
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -190.073+/-13.731 χ^2/NDF:49.0/35

Out: -182.817+/-13.441 χ^2/NDF:63.0/40

All: -186.368+/-9.605 χ^2/NDF: 112.2/76

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.804+/-0.011 χ^2/NDF:725005.1/21

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 64.695+/-0.012 χ^2/NDF:322754.7/19

Left: 64.751+/-0.008 χ^2/NDF: 1047806.2/41

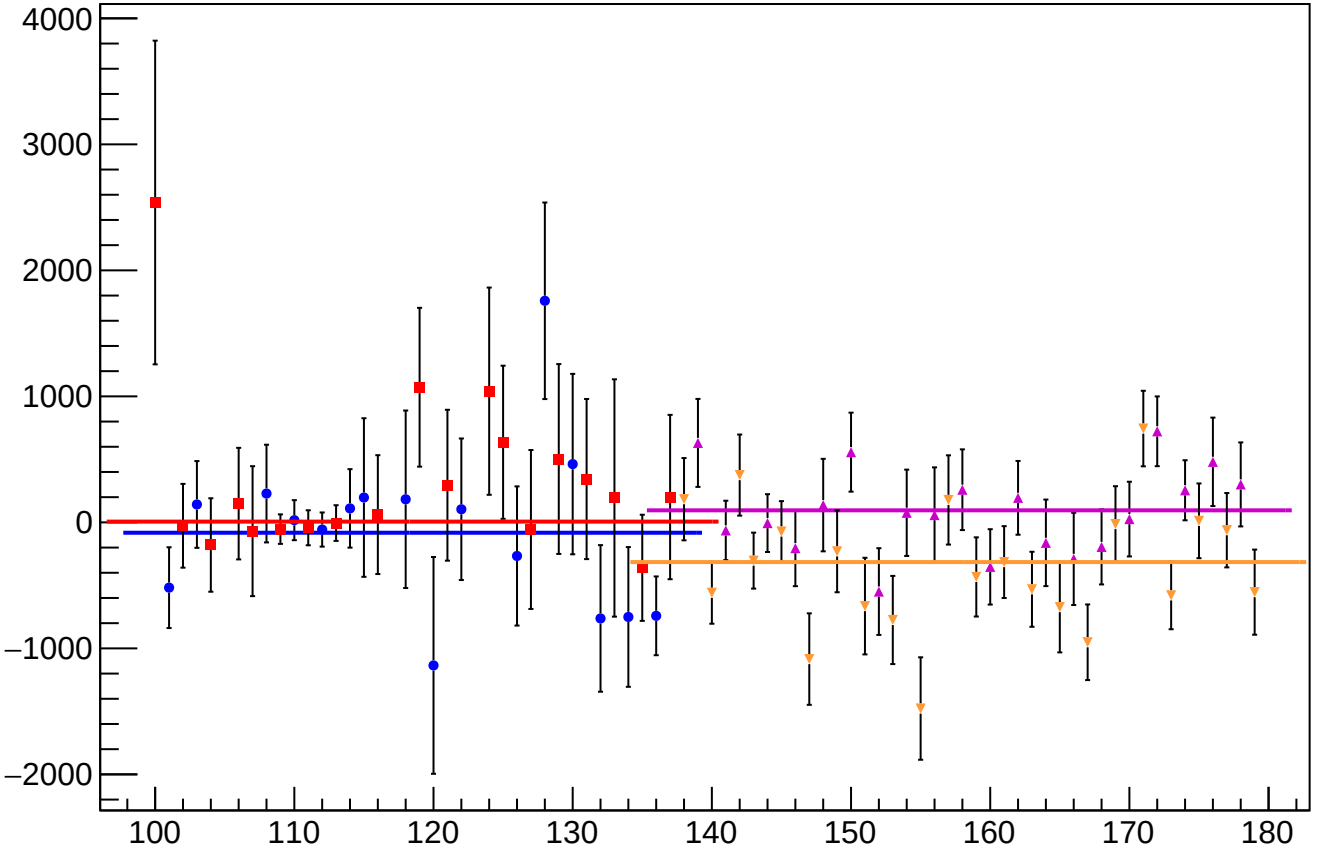
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.549+/-0.010 χ^2/NDF:605439.2/35

Out: 65.867+/-0.010 χ^2/NDF:1005600.2/40

All: 65.711+/-0.007 χ^2/NDF: 1611585.4/76

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -315.083+/-64.638 χ^2/NDF:49.2/21

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 95.568+/-67.935 χ^2/NDF:22.2/19

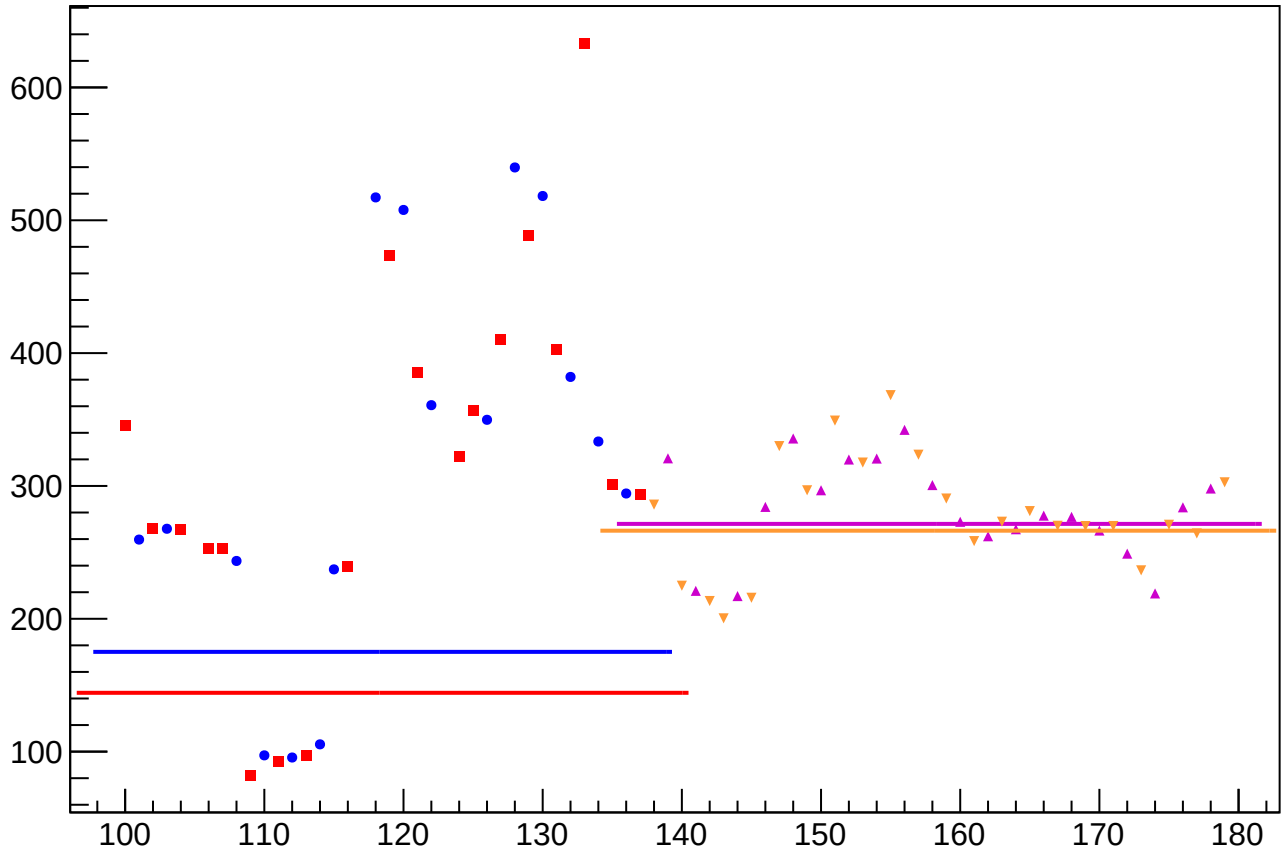
Left: -119.962+/-46.828 χ^2/NDF: 90.6/41

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 19.627+/-51.419 χ^2/NDF:44.3/35

Out: -157.639+/-46.149 χ^2/NDF:73.4/40

All: -78.551+/-34.345 χ^2/NDF: 124.3/76



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.323+/-0.046 χ^2/NDF:843252.2/21

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 271.437+/-0.048 χ^2/NDF:618097.3/19

Left: 268.753+/-0.033 χ^2/NDF: 1467299.3/41

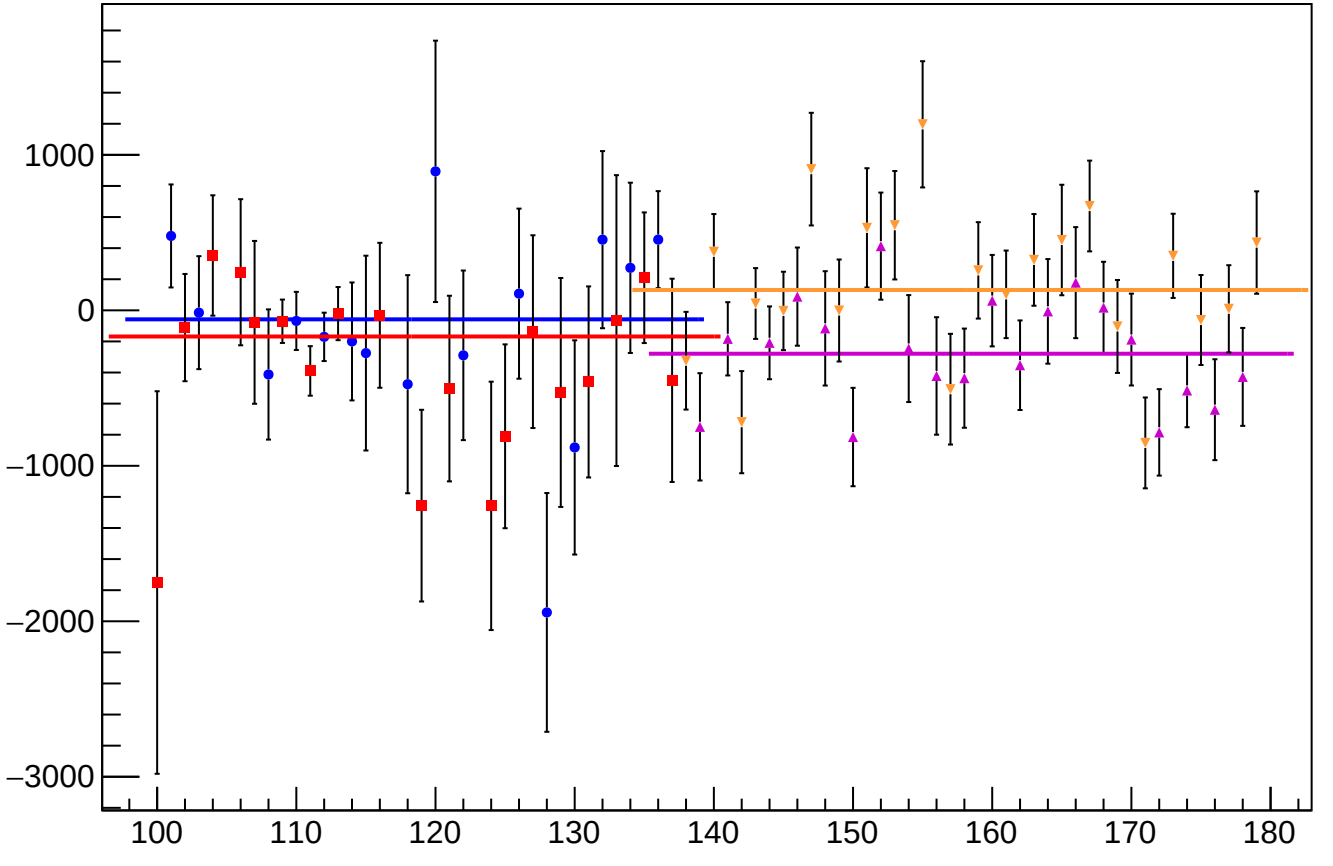
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 230.288+/-0.036 χ^2/NDF:6765152.4/35

Out: 206.488+/-0.033 χ^2/NDF:9471308.9/40

All: 217.106+/-0.024 χ^2/NDF: 16473777.1/76

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 131.046+/-64.299 χ^2/NDF:46.6/21

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -279.105+/-67.508 χ^2/NDF:21.5/19

Left: -64.049+/-46.560 χ^2/NDF: 87.5/41

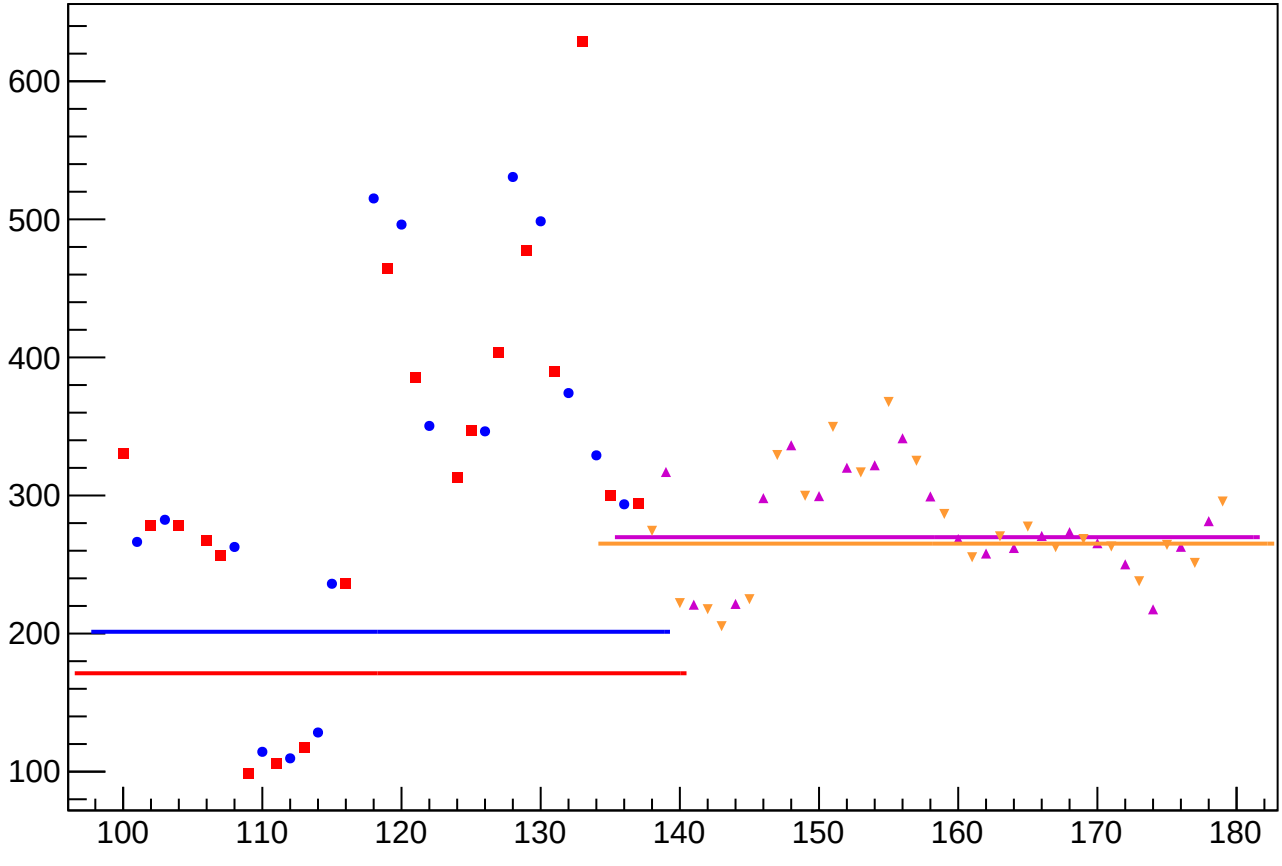
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -195.867+/-53.310 χ^2/NDF:43.0/35

Out: 3.438+/-48.704 χ^2/NDF:71.3/40

All: -87.234+/-35.957 χ^2/NDF: 121.9/76

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 265.138+/-0.045 χ^2/NDF:764180.2/21

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.816+/-0.048 χ^2/NDF:602022.6/19

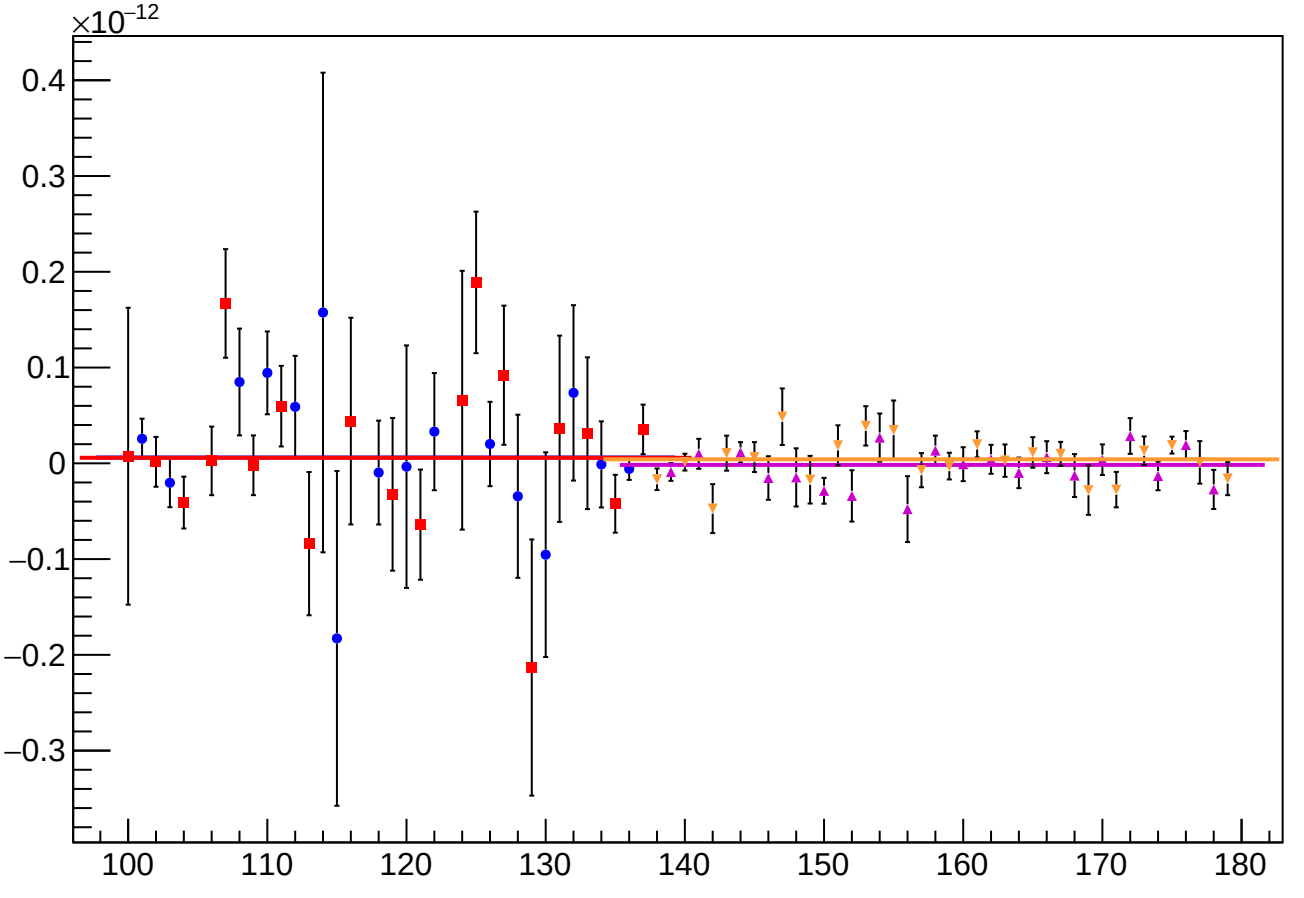
Left: 267.363+/-0.033 χ^2/NDF: 1371236.9/41

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 244.026+/-0.038 χ^2/NDF:4949654.8/35

Out: 225.118+/-0.034 χ^2/NDF:6774352.6/40

All: 233.720+/-0.025 χ^2/NDF: 11861136.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.5/19

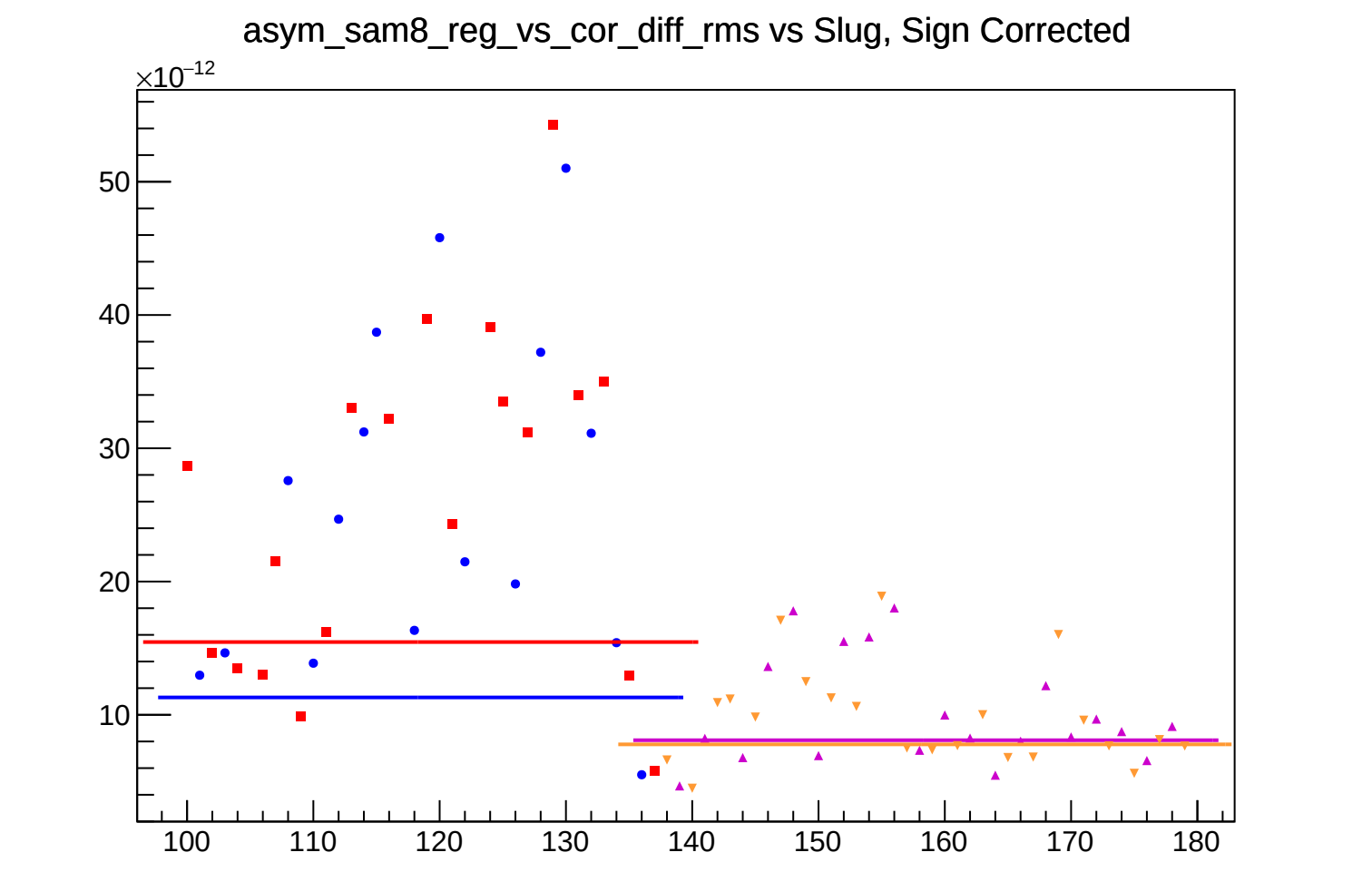
Left: 0.000+/-0.000 χ^2/NDF: 48.5/41

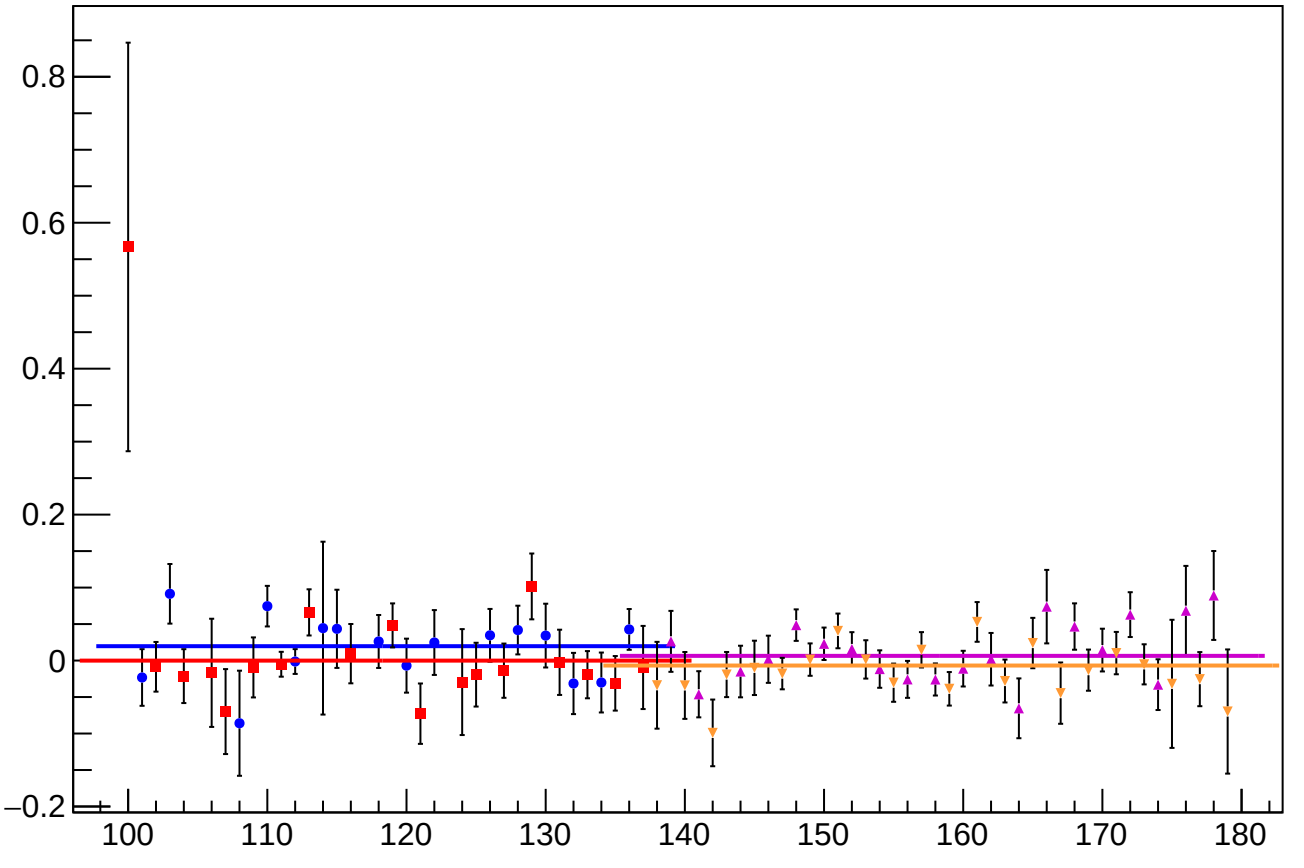
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:35.1/35

Out: 0.000+/-0.000 χ^2/NDF:57.1/40

All: 0.000+/-0.000 χ^2/NDF: 93.2/76


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1458961.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1346393.9/19
Left: 0.000+/-0.000 χ²/NDF: 2813485.6/41
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3388412.9/35
Out: 0.000+/-0.000 χ²/NDF:3928952.9/40
All: 0.000+/-0.000 χ²/NDF: 7318424.1/76



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:26.8/19

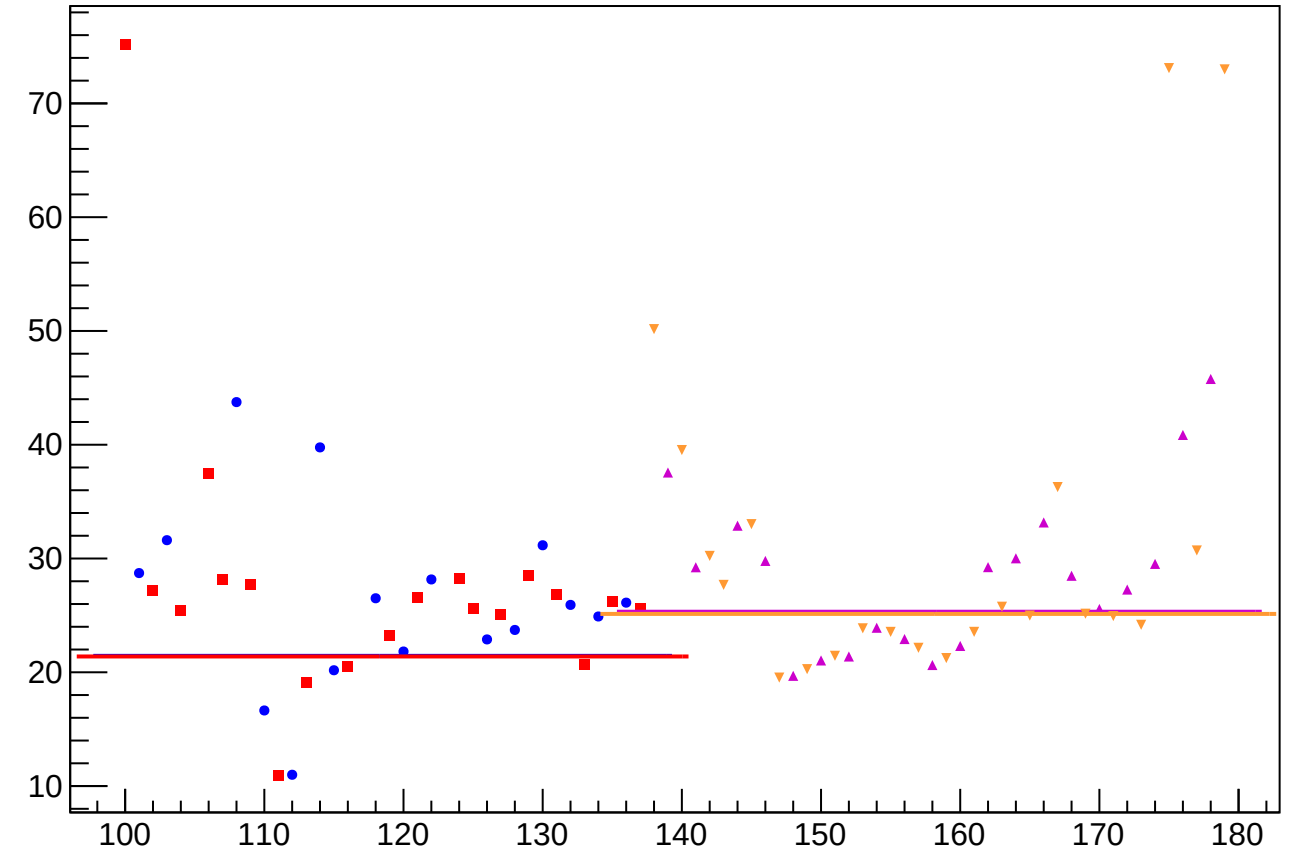
Left: -0.000+/-0.005 χ^2/NDF: 49.9/41

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.1/76



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.5/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.322+/-0.005 χ^2/NDF:1254921.9/19

Left: 25.223+/-0.003 χ^2/NDF: 3740405.0/41

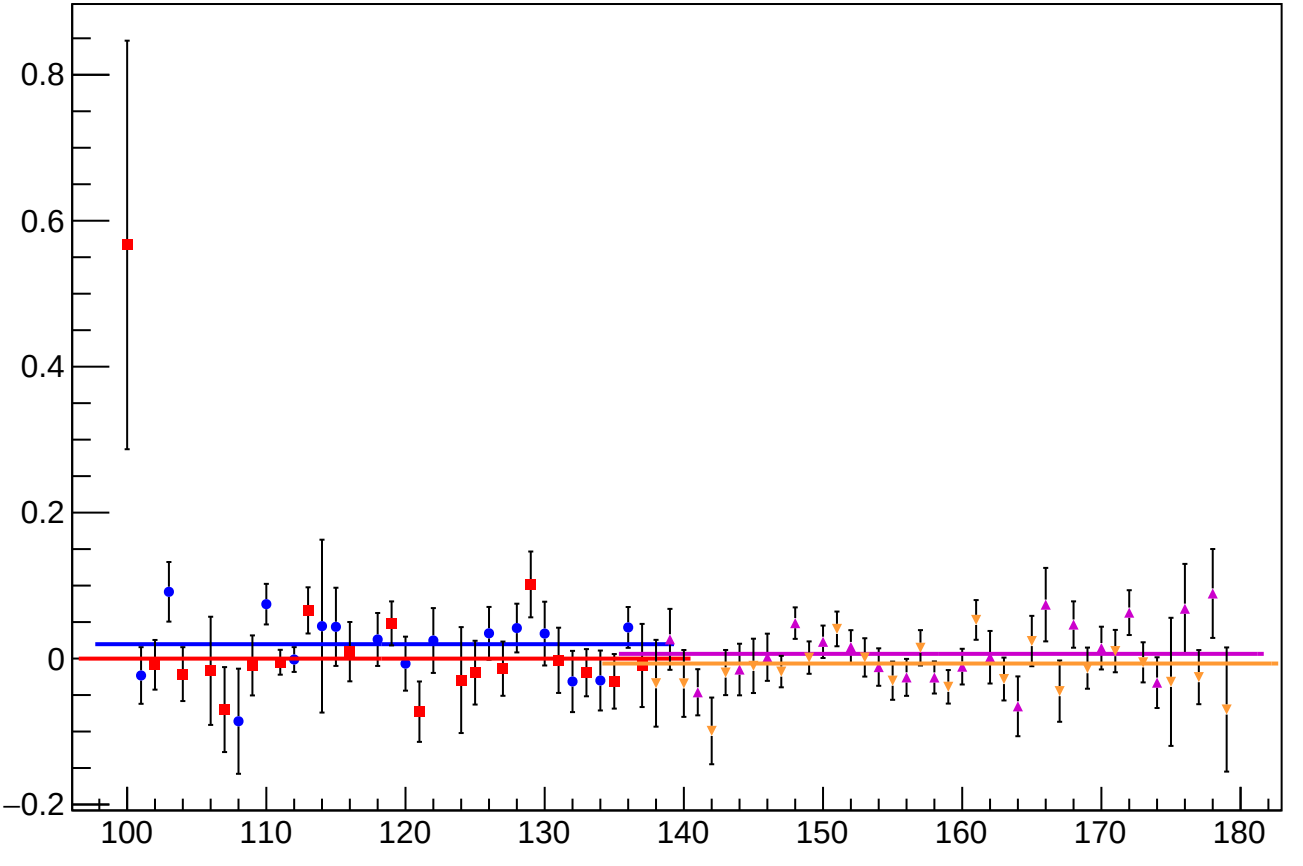
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.886+/-0.004 χ^2/NDF:3046728.6/35

Out: 23.768+/-0.004 χ^2/NDF:4042481.2/40

All: 23.825+/-0.003 χ^2/NDF: 7089717.9/76

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:26.8/19

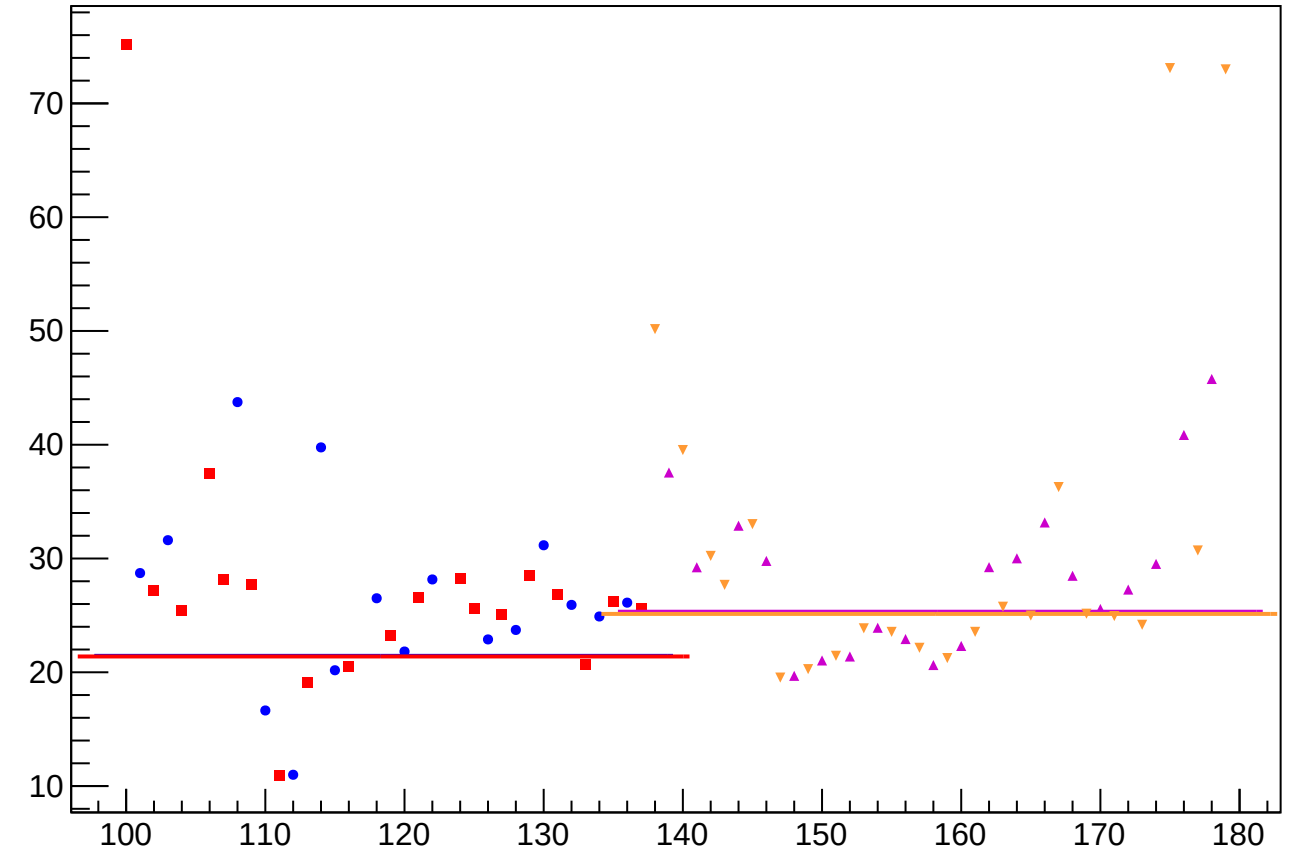
Left: -0.000+/-0.005 χ^2/NDF: 49.9/41

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.1/76



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.5/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.322+/-0.005 χ^2/NDF:1254921.9/19

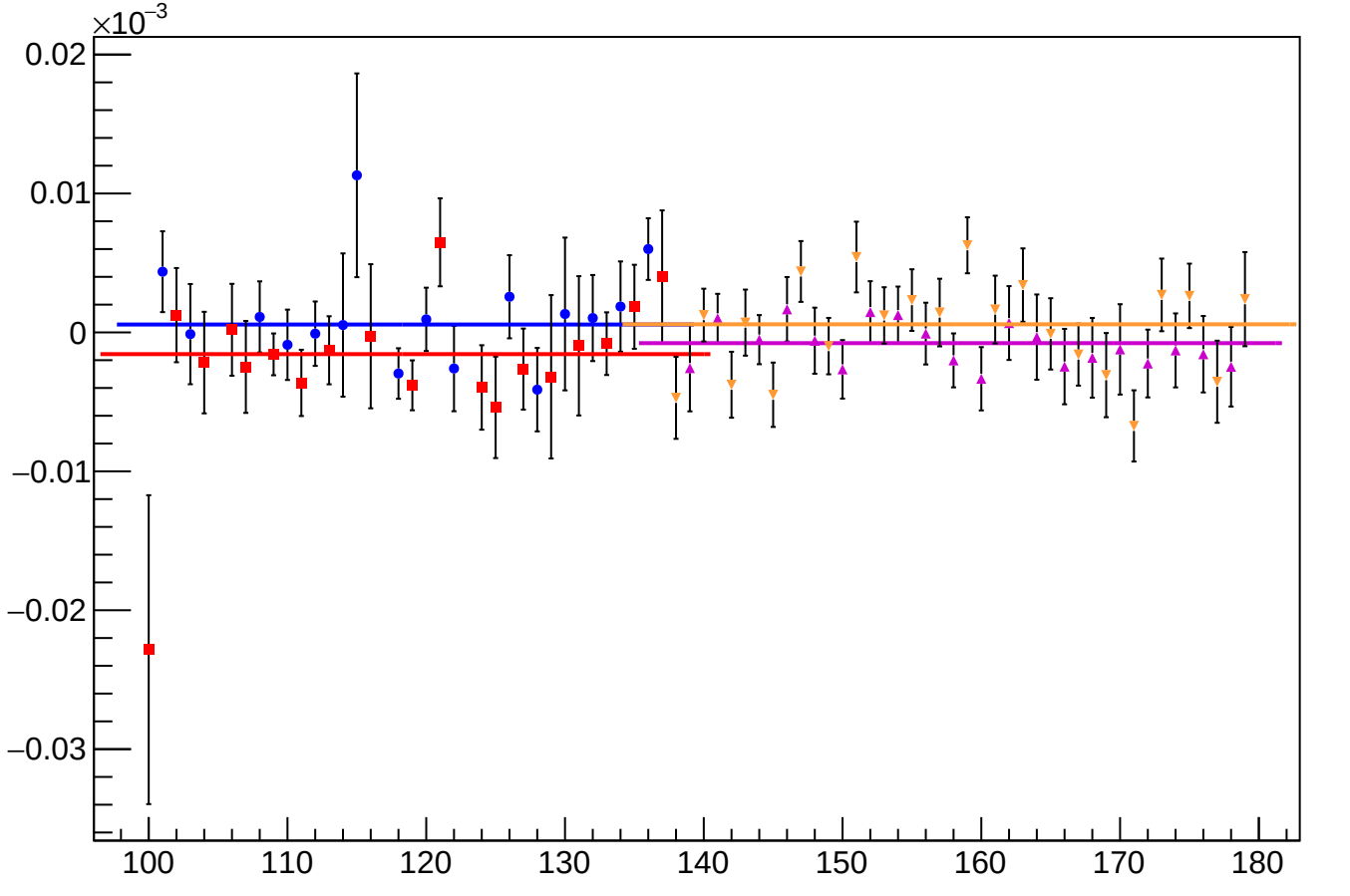
Left: 25.223+/-0.003 χ^2/NDF: 3740405.0/41

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.886+/-0.004 χ^2/NDF:3046728.6/35

Out: 23.768+/-0.004 χ^2/NDF:4042481.2/40

All: 23.825+/-0.003 χ^2/NDF: 7089717.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/19

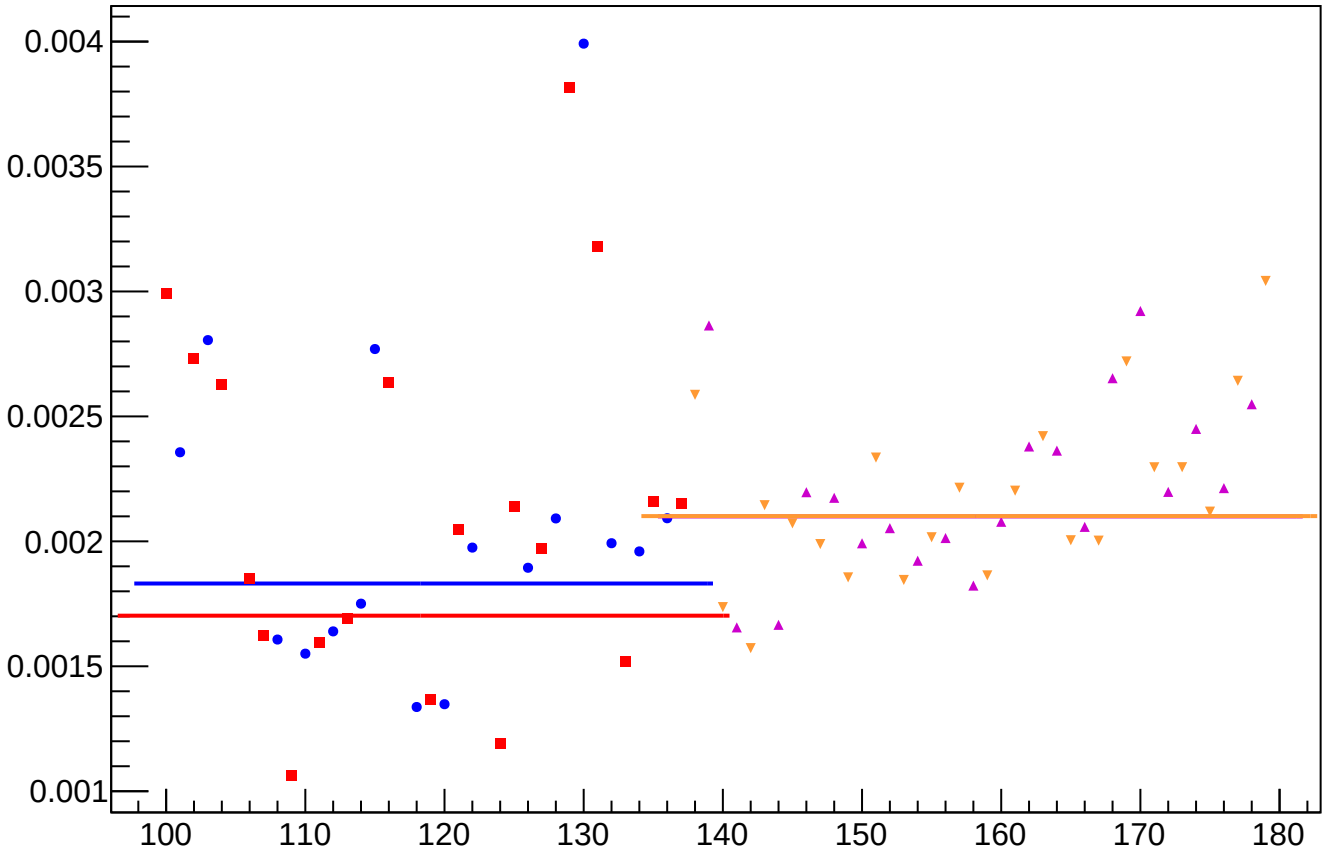
Left: -0.000+/-0.000 χ^2/NDF: 55.3/41

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:29.3/35

Out: -0.000+/-0.000 χ^2/NDF:68.1/40

All: -0.000+/-0.000 χ^2/NDF: 97.4/76



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:713036.2/21

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:767809.2/19

Left: 0.002+/-0.000 χ^2/NDF: 1480851.6/41

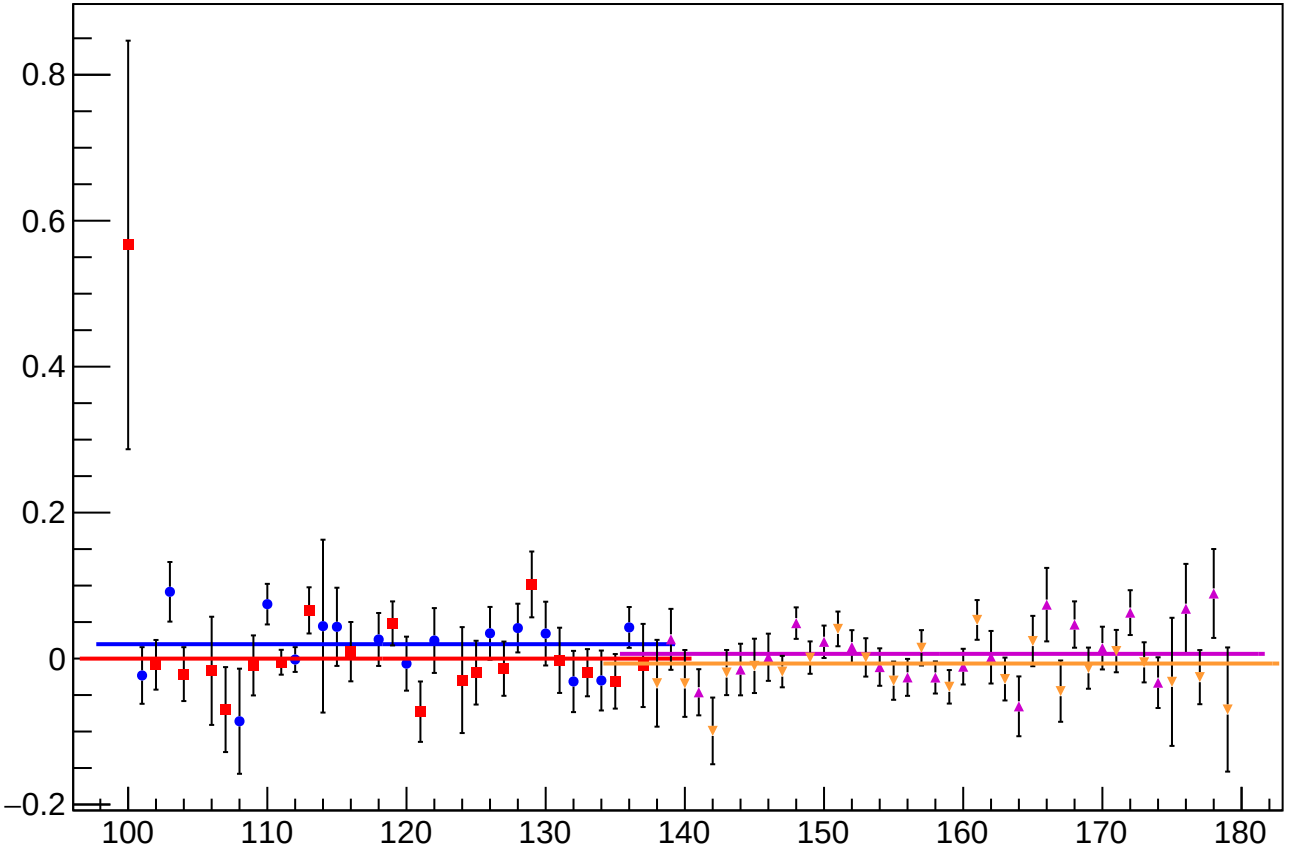
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1853636.6/35

Out: 0.002+/-0.000 χ^2/NDF:2648919.3/40

All: 0.002+/-0.000 χ^2/NDF: 4518161.2/76

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:26.8/19

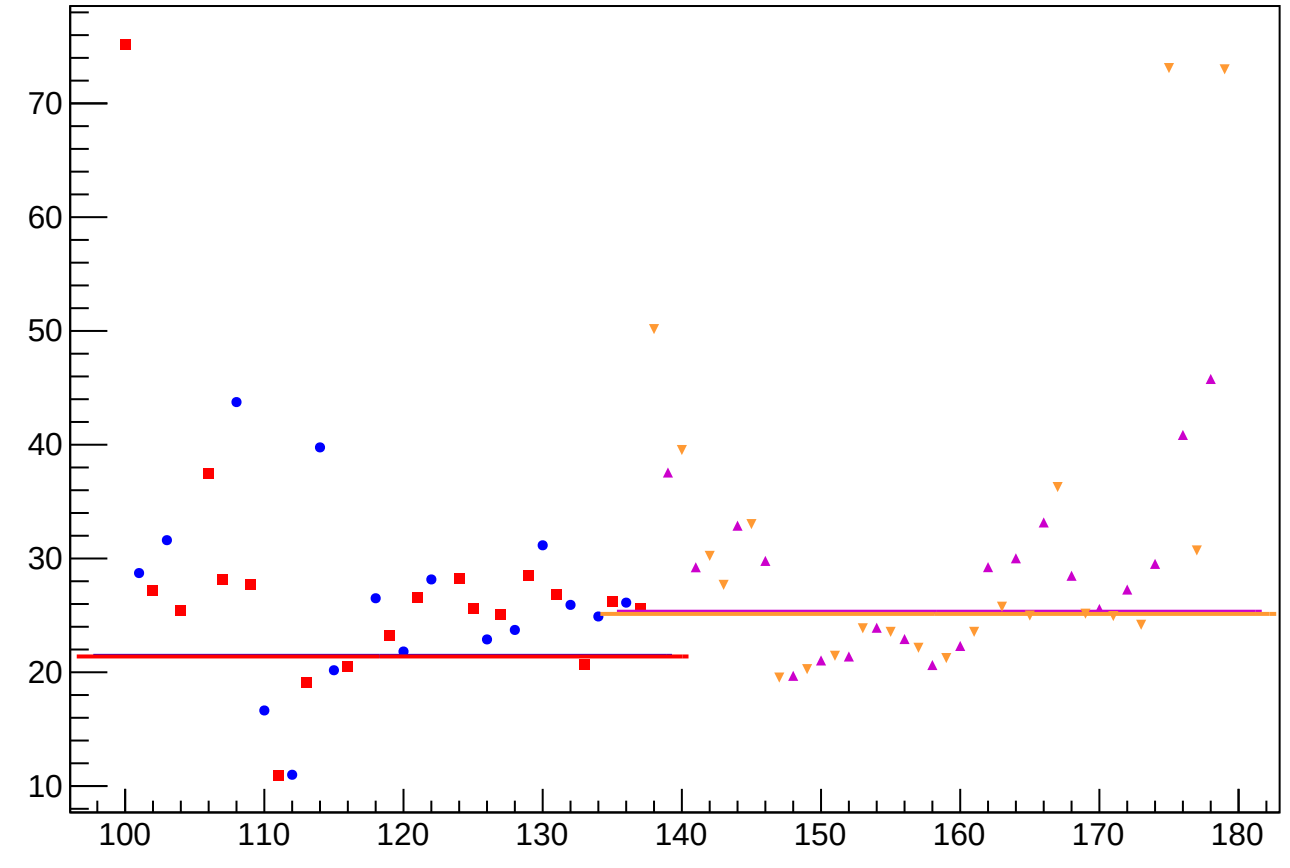
Left: -0.000+/-0.005 χ^2/NDF: 49.9/41

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.1/76



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

Left: 25.223+/-0.003 χ^2/NDF: 3740394.1/41

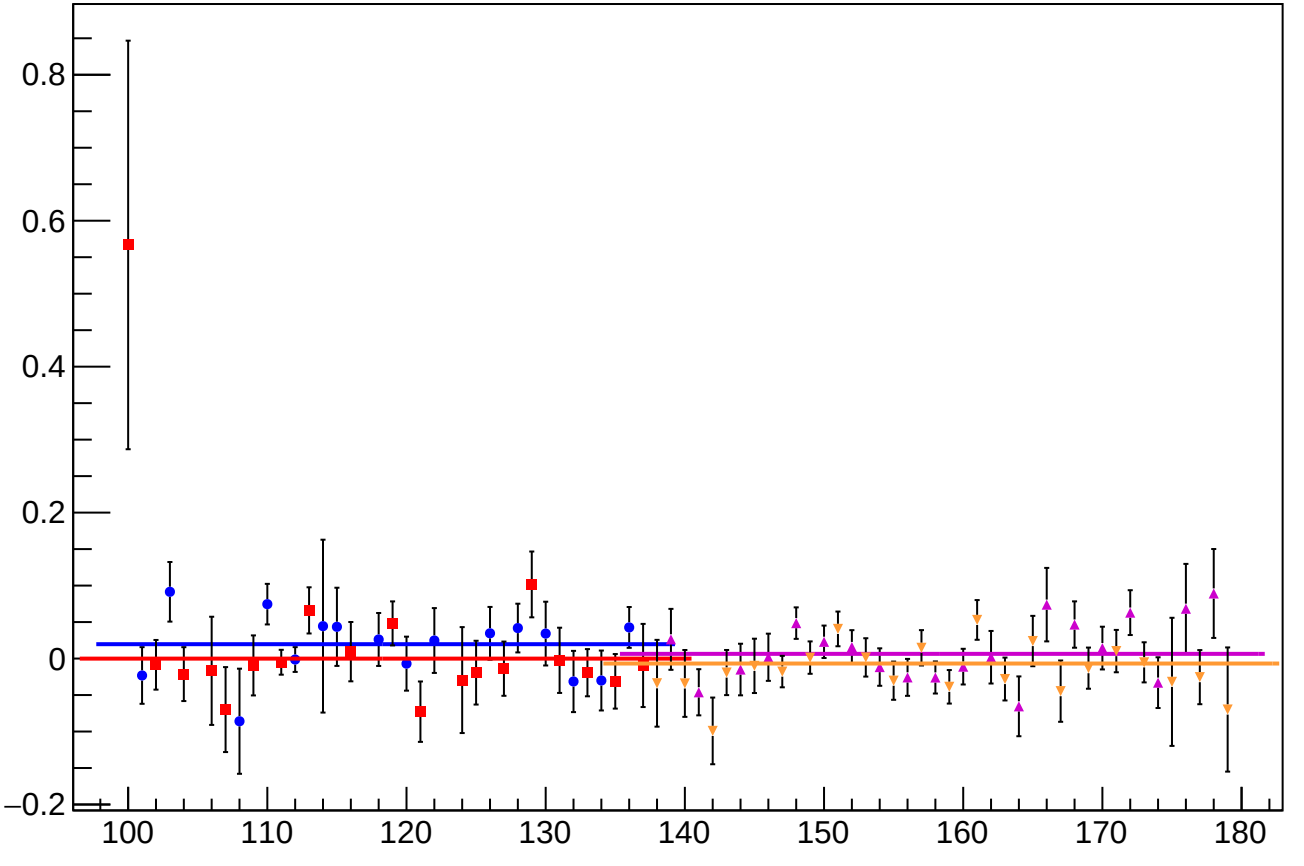
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.885+/-0.004 χ^2/NDF:3046975.4/35

Out: 23.768+/-0.004 χ^2/NDF:4042708.0/40

All: 23.825+/-0.003 χ^2/NDF: 7090191.5/76

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.006 χ^2/NDF:21.1/21

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:26.8/19

Left: -0.000+/-0.005 χ^2/NDF: 49.9/41

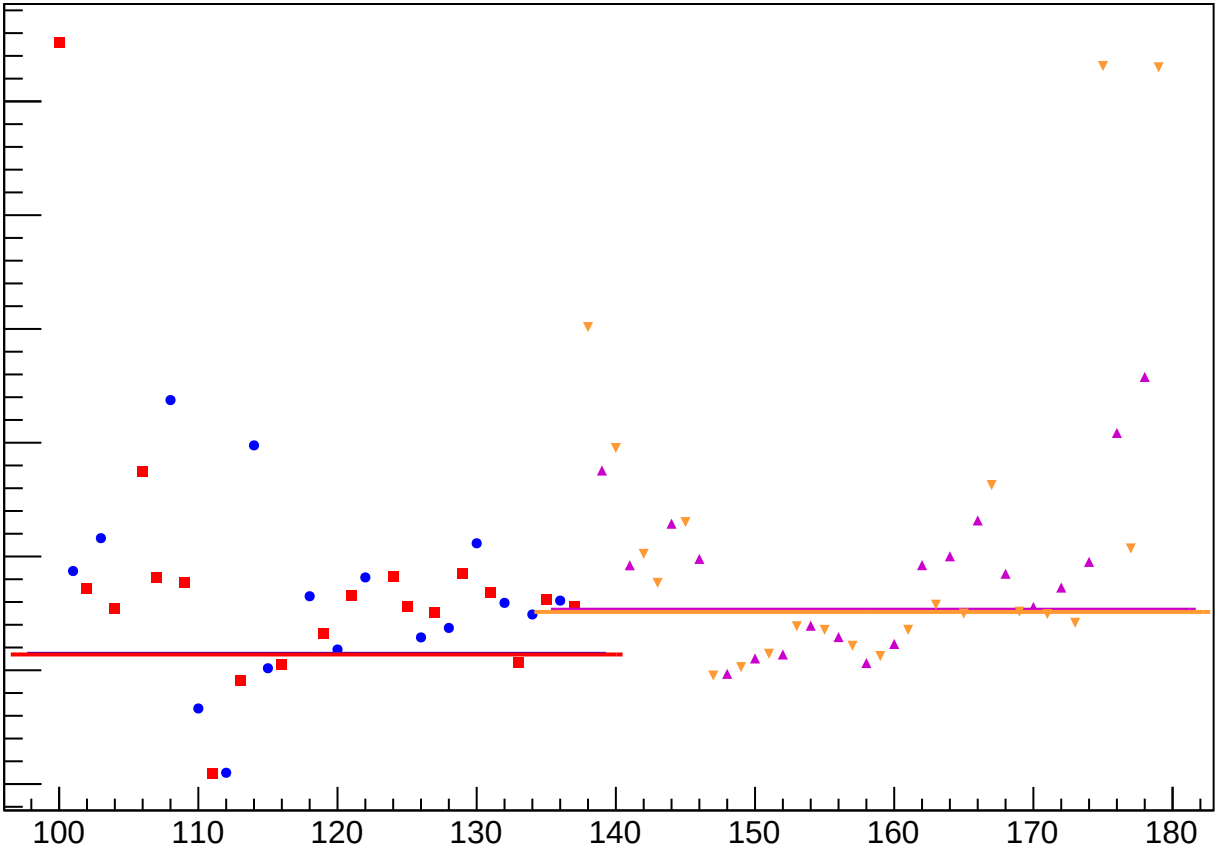
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:44.3/40

All: 0.003+/-0.004 χ^2/NDF: 94.1/76

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 25.130+/-0.005 χ^2/NDF:2484624.1/21

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

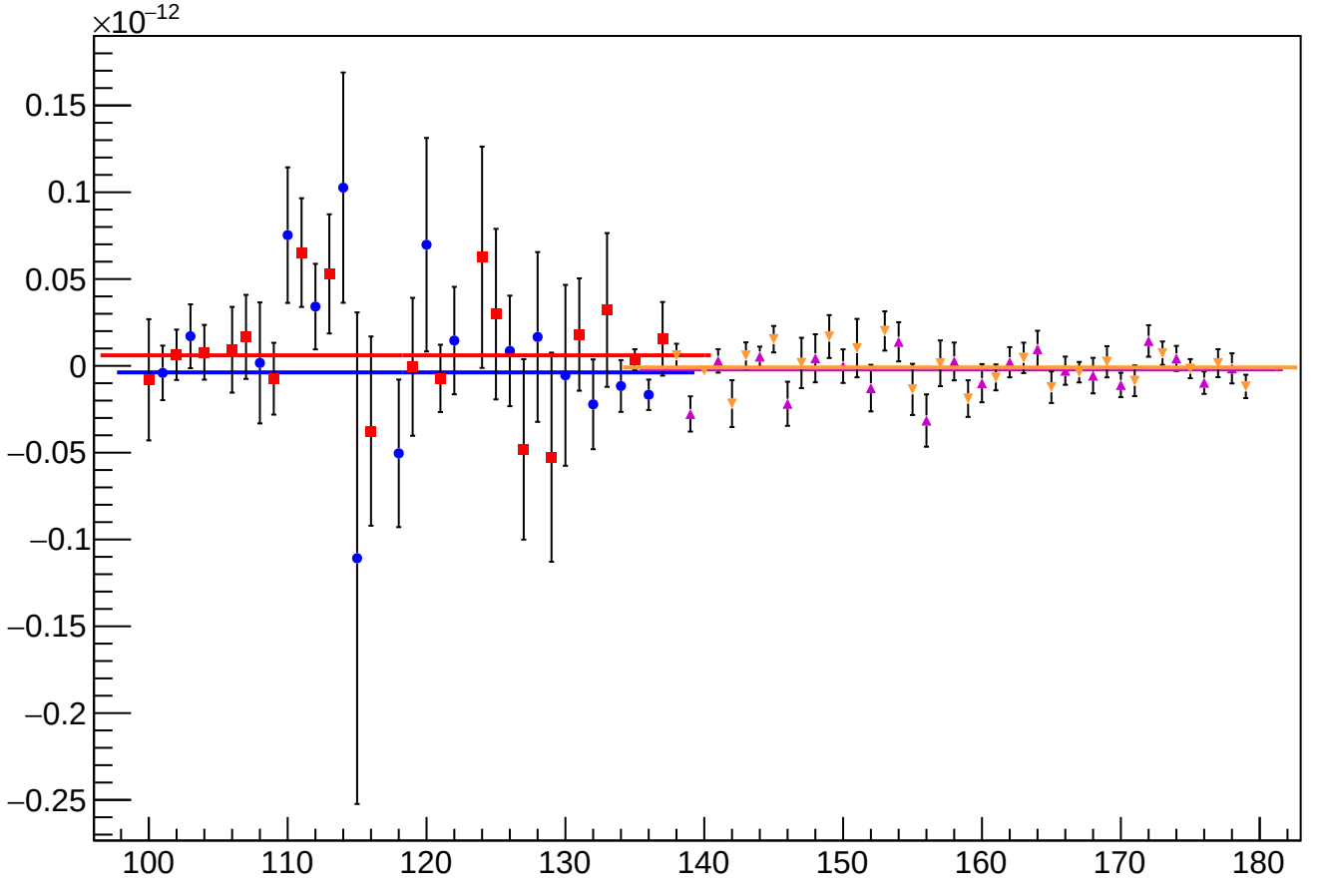
Left: 25.223+/-0.003 χ^2/NDF: 3740394.1/41

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.885+/-0.004 χ^2/NDF:3046975.4/35

Out: 23.768+/-0.004 χ^2/NDF:4042708.0/40

All: 23.825+/-0.003 χ^2/NDF: 7090191.5/76



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.1/19

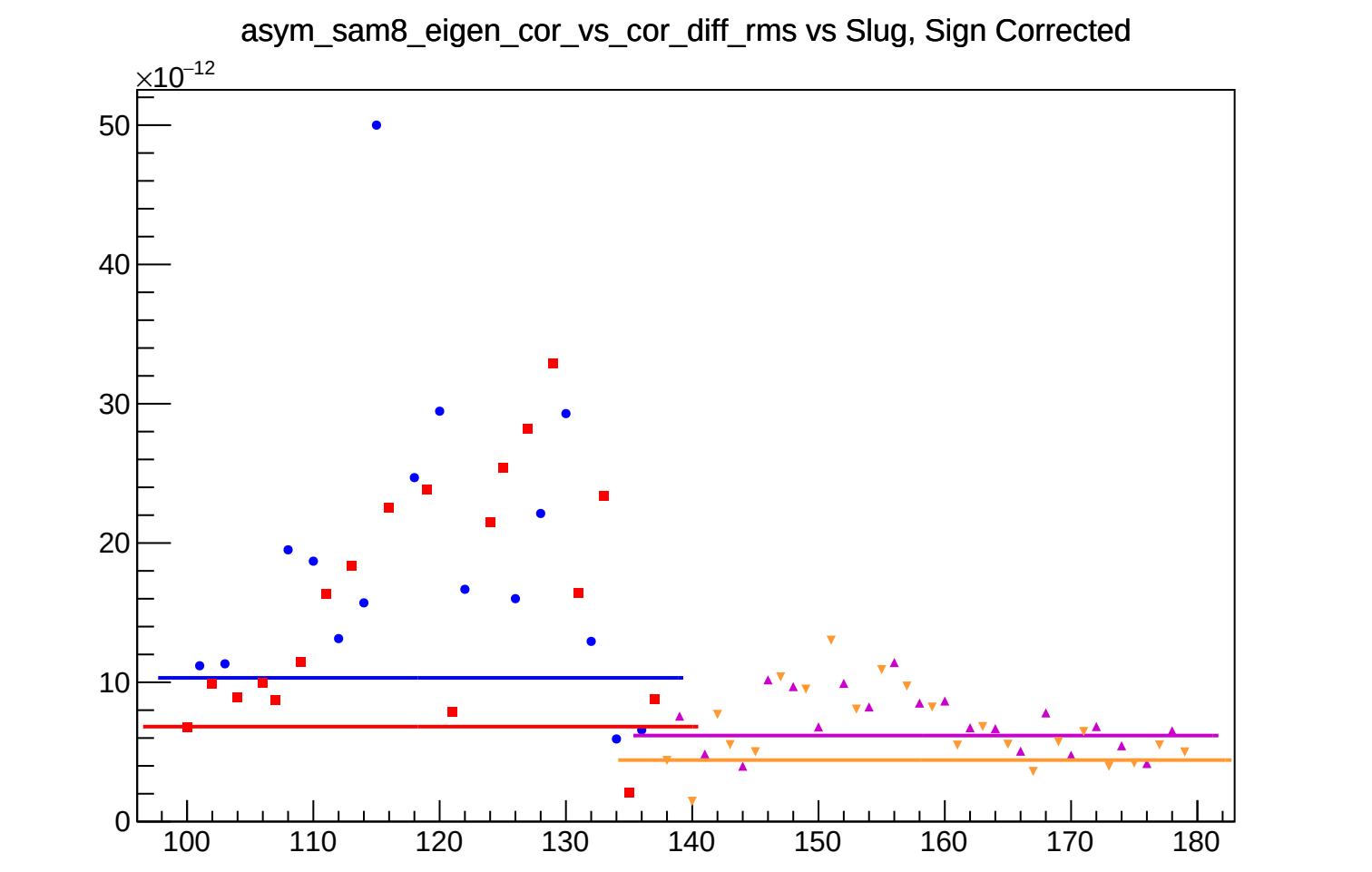
Left: -0.000+/-0.000 χ^2/NDF: 54.1/41

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:44.3/35

Out: -0.000+/-0.000 χ^2/NDF:40.4/40

All: -0.000+/-0.000 χ^2/NDF: 85.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5152779.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1814308.8/19

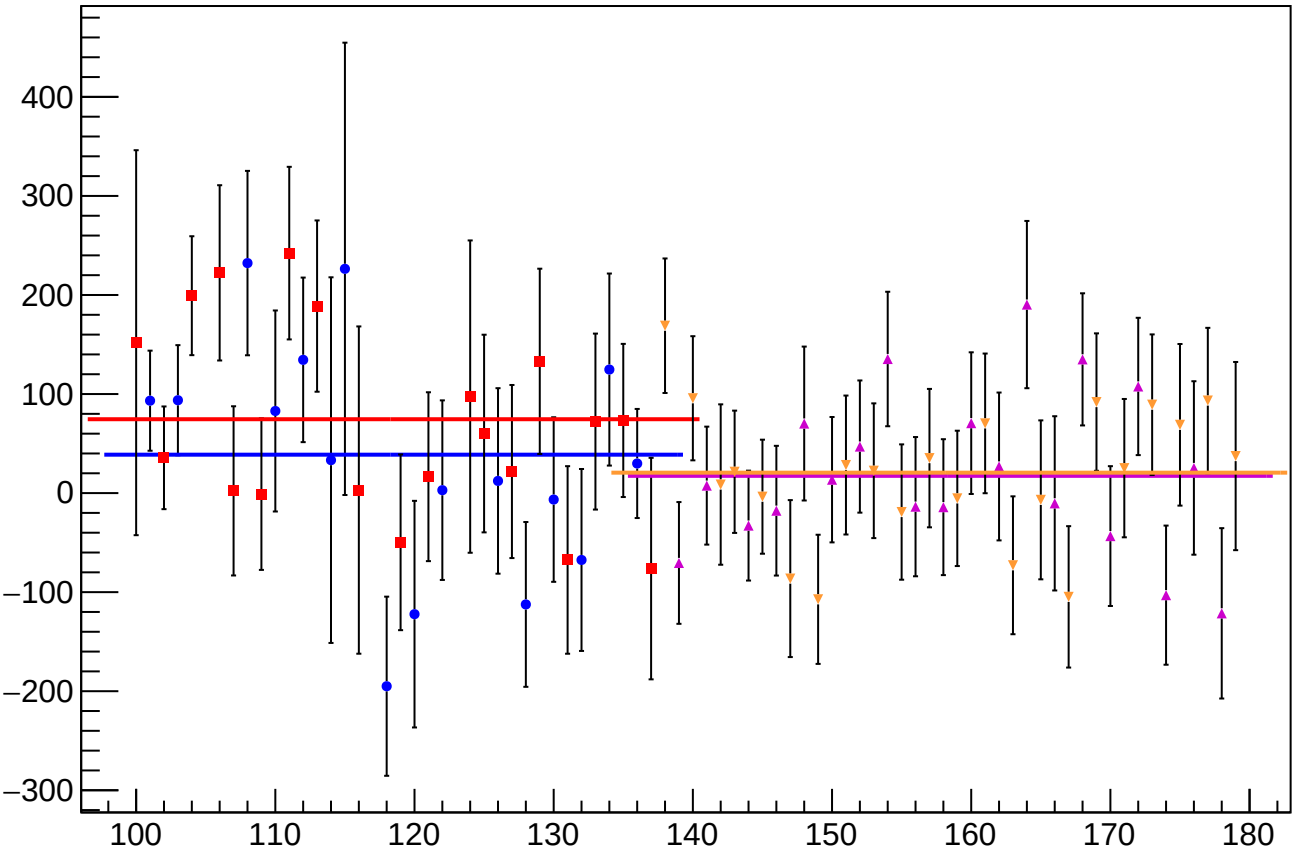
Left: 0.000+/-0.000 χ^2/NDF: 7942712.8/41

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:4770705.4/35

Out: 0.000+/-0.000 χ^2/NDF:9717291.8/40

All: 0.000+/-0.000 χ^2/NDF: 15860182.6/76



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.629+/-14.985 χ^2/NDF:21.5/21

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 17.426+/-15.573 χ^2/NDF:23.2/19

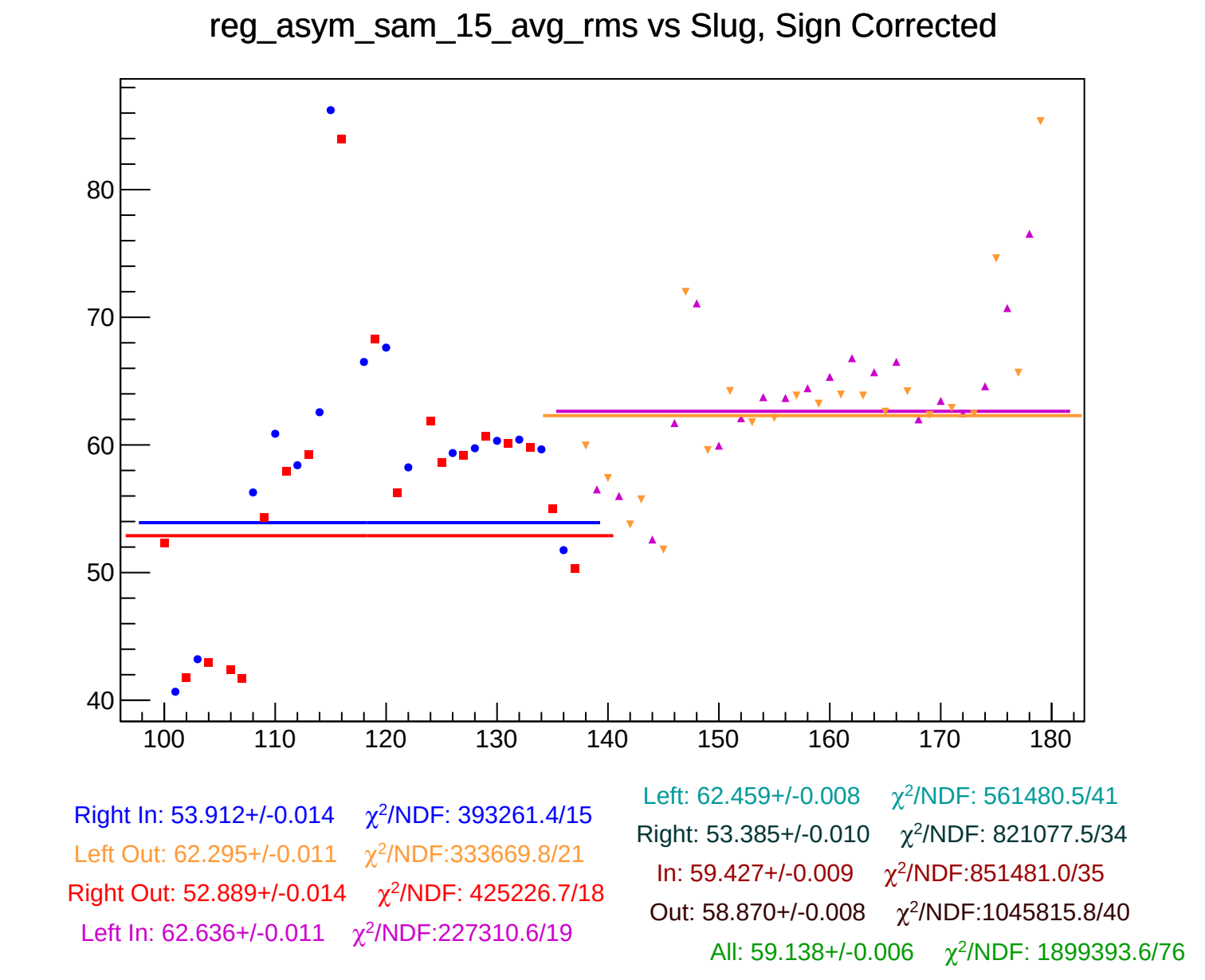
Left: 19.089+/-10.798 χ^2/NDF: 44.7/41

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.283+/-12.381 χ^2/NDF:47.2/35

Out: 40.275+/-11.949 χ^2/NDF:48.7/40

All: 33.045+/-8.598 χ^2/NDF: 96.6/76


reg_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
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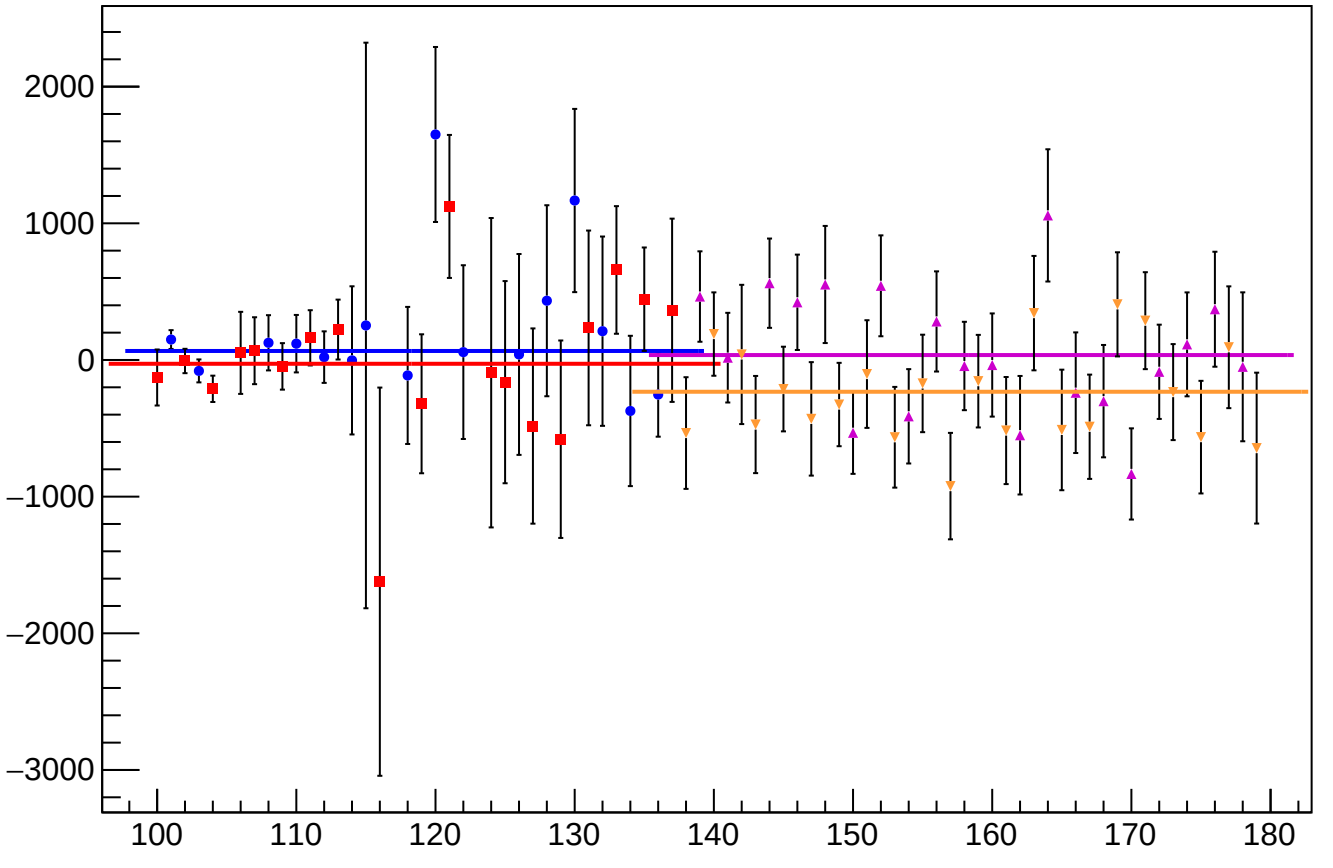
Right In: 53.912+/-0.014 χ²/NDF: 393261.4/15
Left Out: 62.295+/-0.011 χ²/NDF:333669.8/21
Right Out: 52.889+/-0.014 χ²/NDF: 425226.7/18
Left In: 62.636+/-0.011 χ²/NDF:227310.6/19
Left: 62.459+/-0.008 χ²/NDF: 561480.5/41
Right: 53.385+/-0.010 χ²/NDF: 821077.5/34
In: 59.427+/-0.009 χ²/NDF:851481.0/35
Out: 58.870+/-0.008 χ²/NDF:1045815.8/40
All: 59.138+/-0.006 χ²/NDF: 1899393.6/76



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -232.464+/-80.624 χ^2/NDF:17.7/21

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 36.005+/-82.691 χ^2/NDF:29.6/19

Left: -101.627+/-57.727 χ^2/NDF: 52.7/41

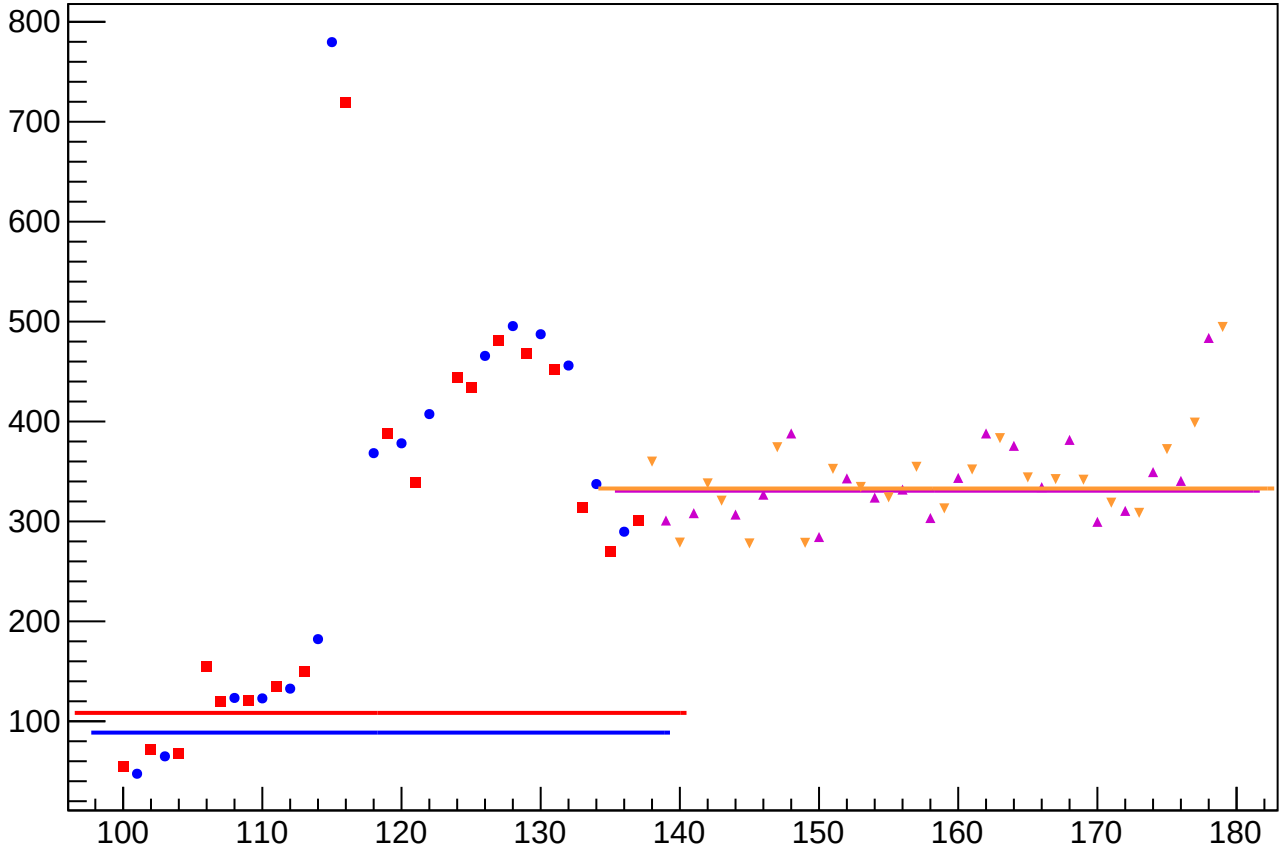
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 58.687+/-40.517 χ^2/NDF:45.4/35

Out: -85.164+/-42.670 χ^2/NDF:40.3/40

All: -9.517+/-29.382 χ^2/NDF: 91.7/76

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 332.952+/-0.057 χ^2/NDF:523587.7/21

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 330.741+/-0.058 χ^2/NDF:410024.5/19

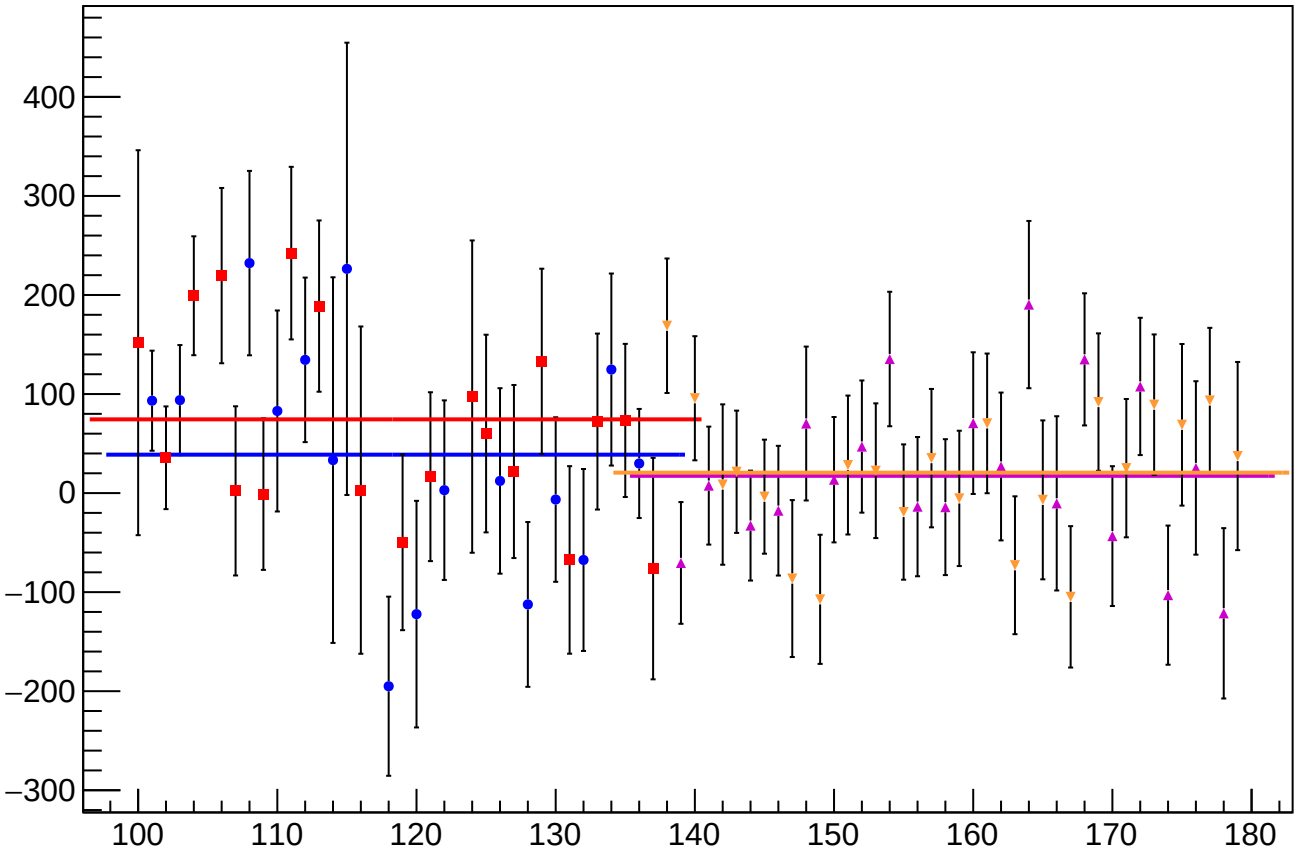
Left: 331.875+/-0.041 χ^2/NDF: 934345.6/41

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 146.777+/-0.029 χ^2/NDF:20084096.7/35

Out: 171.288+/-0.030 χ^2/NDF:17056665.0/40

All: 158.399+/-0.021 χ^2/NDF: 37487804.3/76



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 17.426+/-15.573 χ^2/NDF:23.2/19

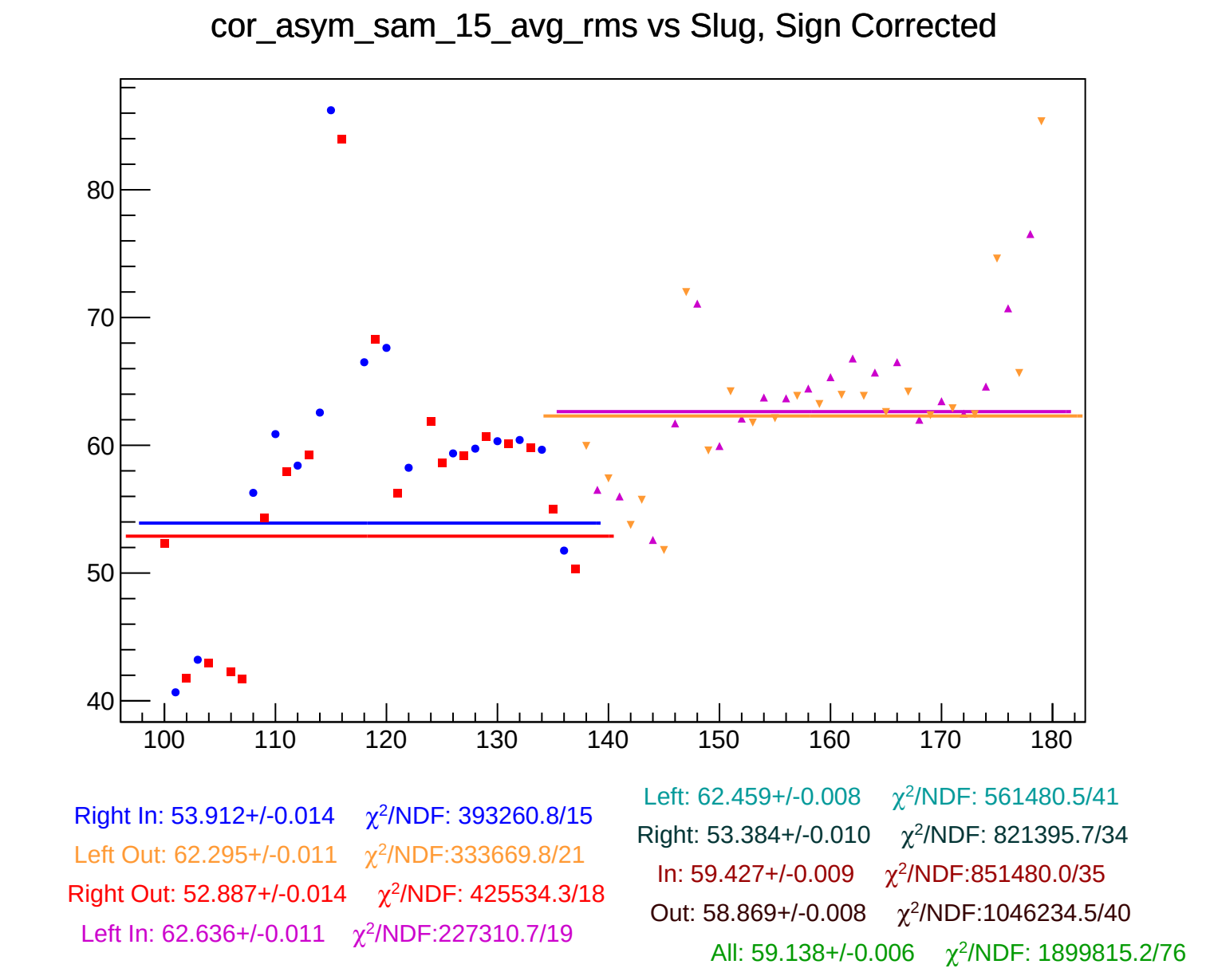
Left: 19.090+/-10.798 χ^2/NDF: 44.7/41

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.288+/-12.381 χ^2/NDF:47.2/35

Out: 40.224+/-11.950 χ^2/NDF:48.5/40

All: 33.021+/-8.598 χ^2/NDF: 96.5/76


cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
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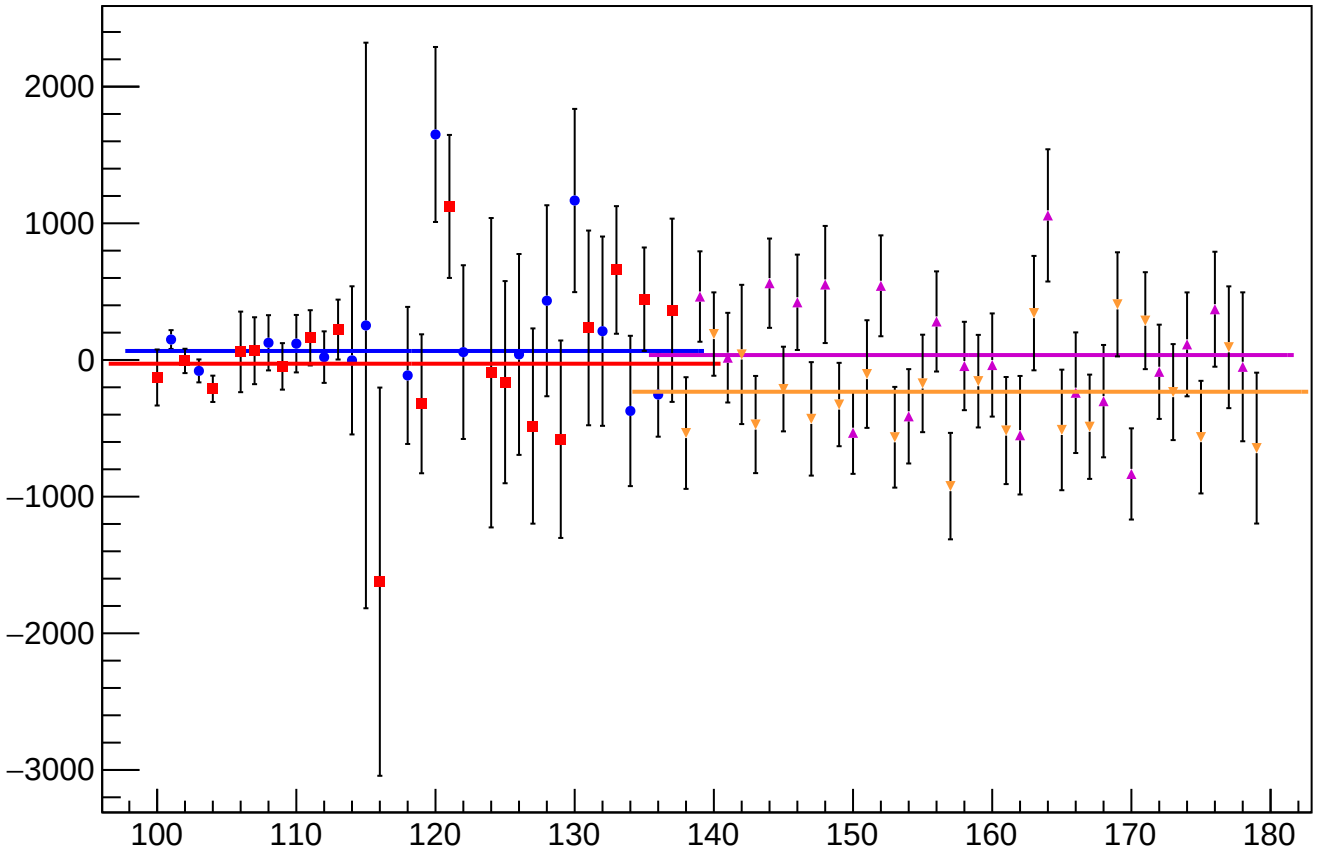
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 62.295+/-0.011 χ²/NDF:333669.8/21
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 62.636+/-0.011 χ²/NDF:227310.7/19
Left: 62.459+/-0.008 χ²/NDF: 561480.5/41
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 59.427+/-0.009 χ²/NDF:851480.0/35
Out: 58.869+/-0.008 χ²/NDF:1046234.5/40
All: 59.138+/-0.006 χ²/NDF: 1899815.2/76



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 36.003+/-82.691 χ^2/NDF:29.6/19

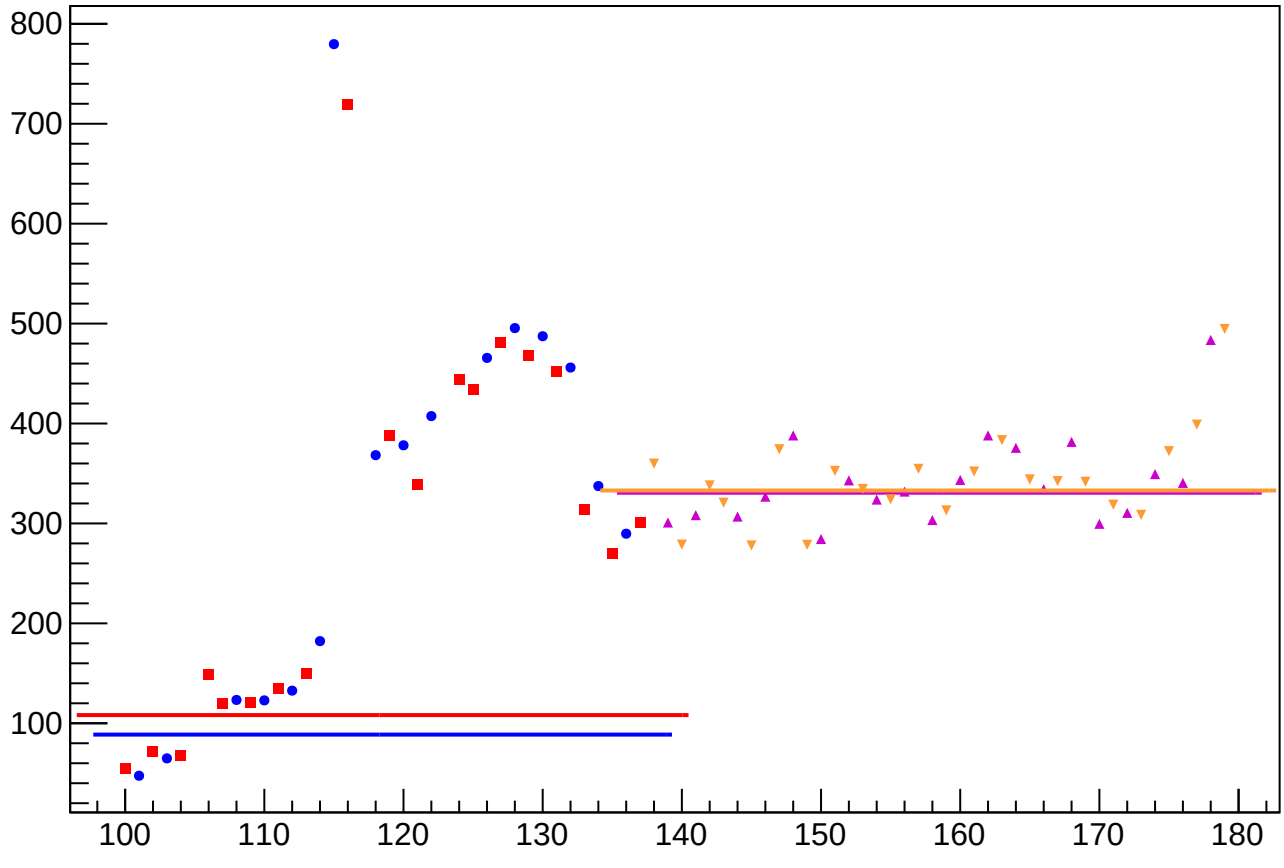
Left: -101.627+/-57.727 χ^2/NDF: 52.7/41

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 58.690+/-40.516 χ^2/NDF:45.4/35

Out: -84.774+/-42.644 χ^2/NDF:40.3/40

All: -9.373+/-29.373 χ^2/NDF: 91.7/76



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 330.741+/-0.058 χ^2/NDF:410030.6/19

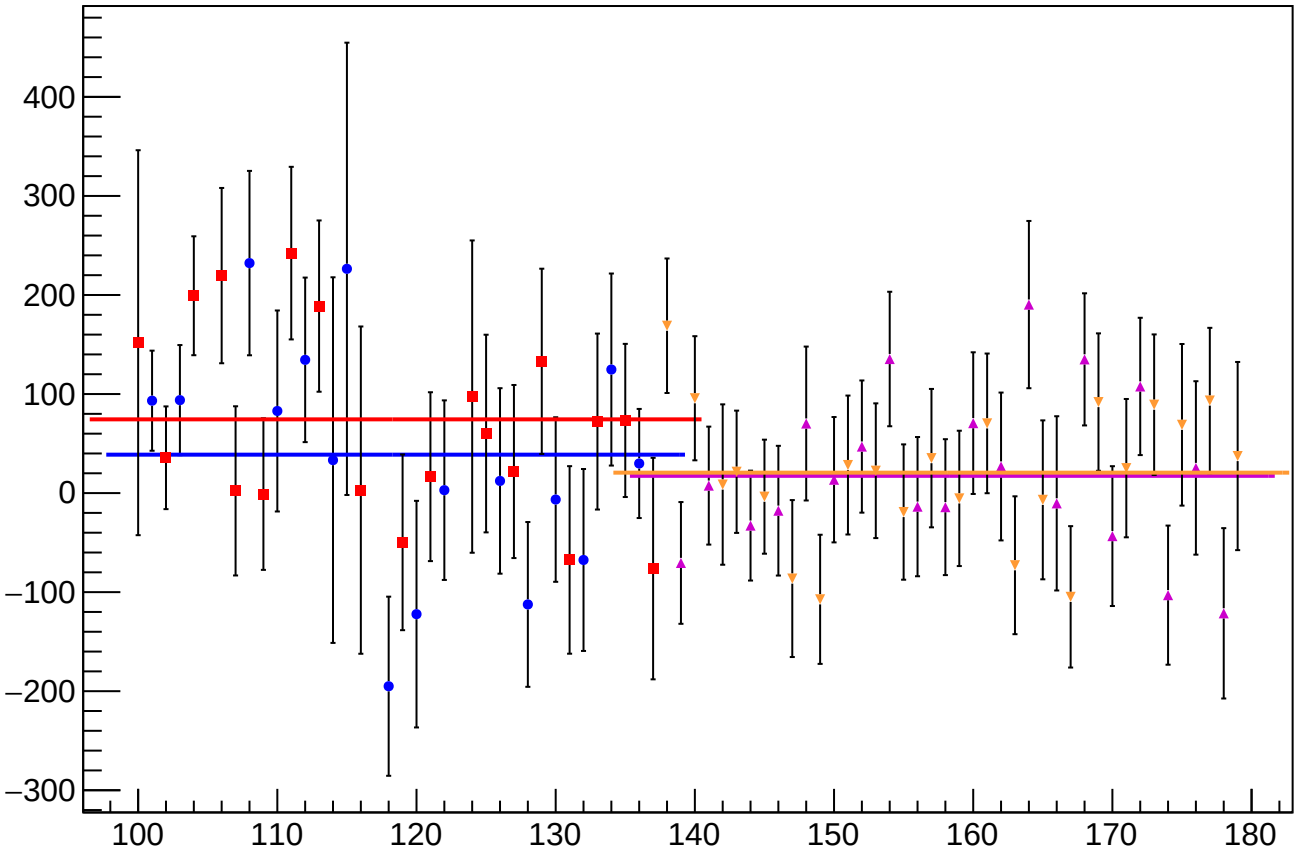
Left: 331.874+/-0.041 χ^2/NDF: 934349.1/41

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 146.773+/-0.029 χ^2/NDF:20084581.0/35

Out: 171.083+/-0.030 χ^2/NDF:17071794.9/40

All: 158.306+/-0.021 χ^2/NDF: 37497954.3/76



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.631+/-14.985 χ^2/NDF:21.5/21

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 17.426+/-15.573 χ^2/NDF:23.2/19

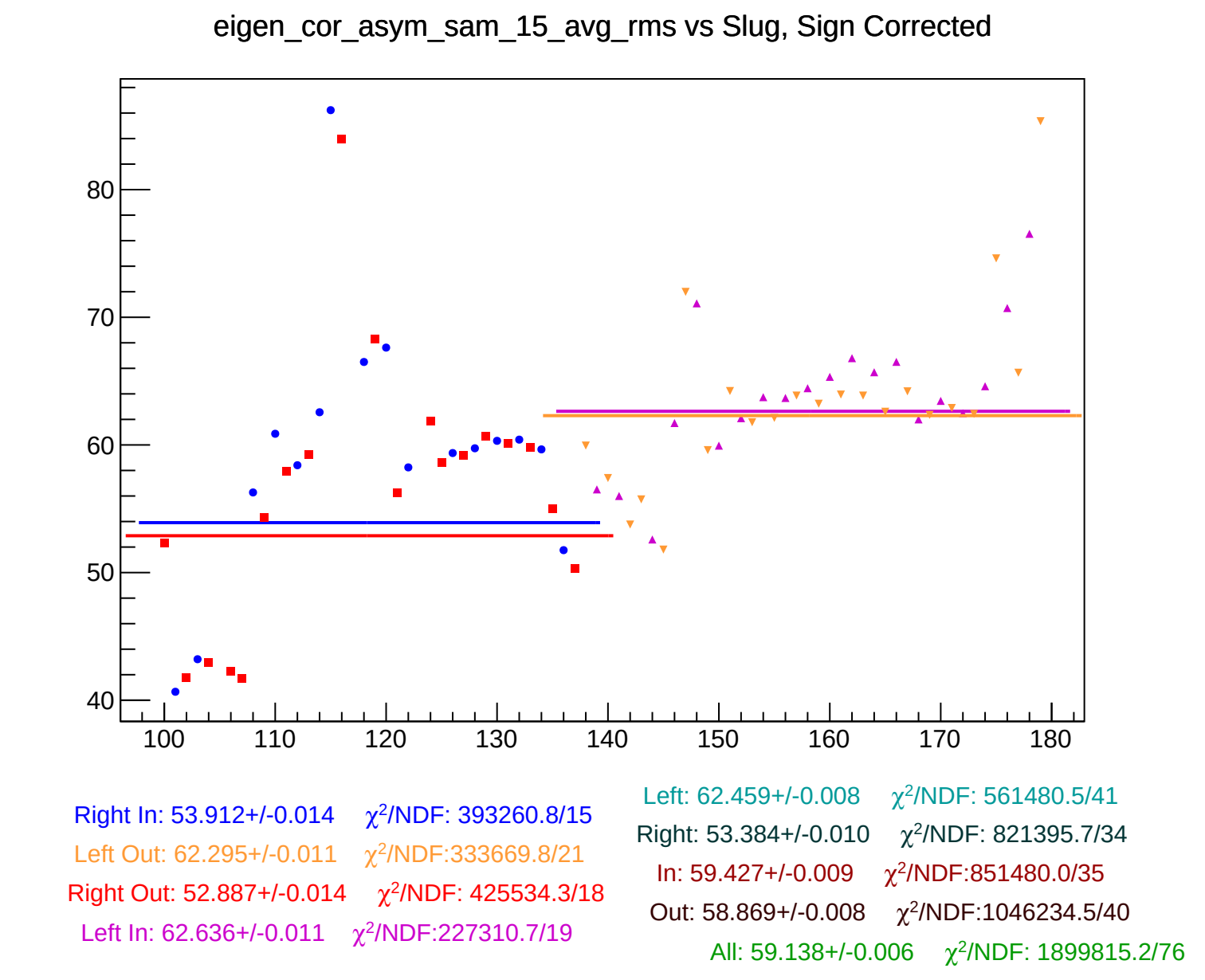
Left: 19.090+/-10.798 χ^2/NDF: 44.7/41

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.288+/-12.381 χ^2/NDF:47.2/35

Out: 40.224+/-11.950 χ^2/NDF:48.5/40

All: 33.021+/-8.598 χ^2/NDF: 96.5/76


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
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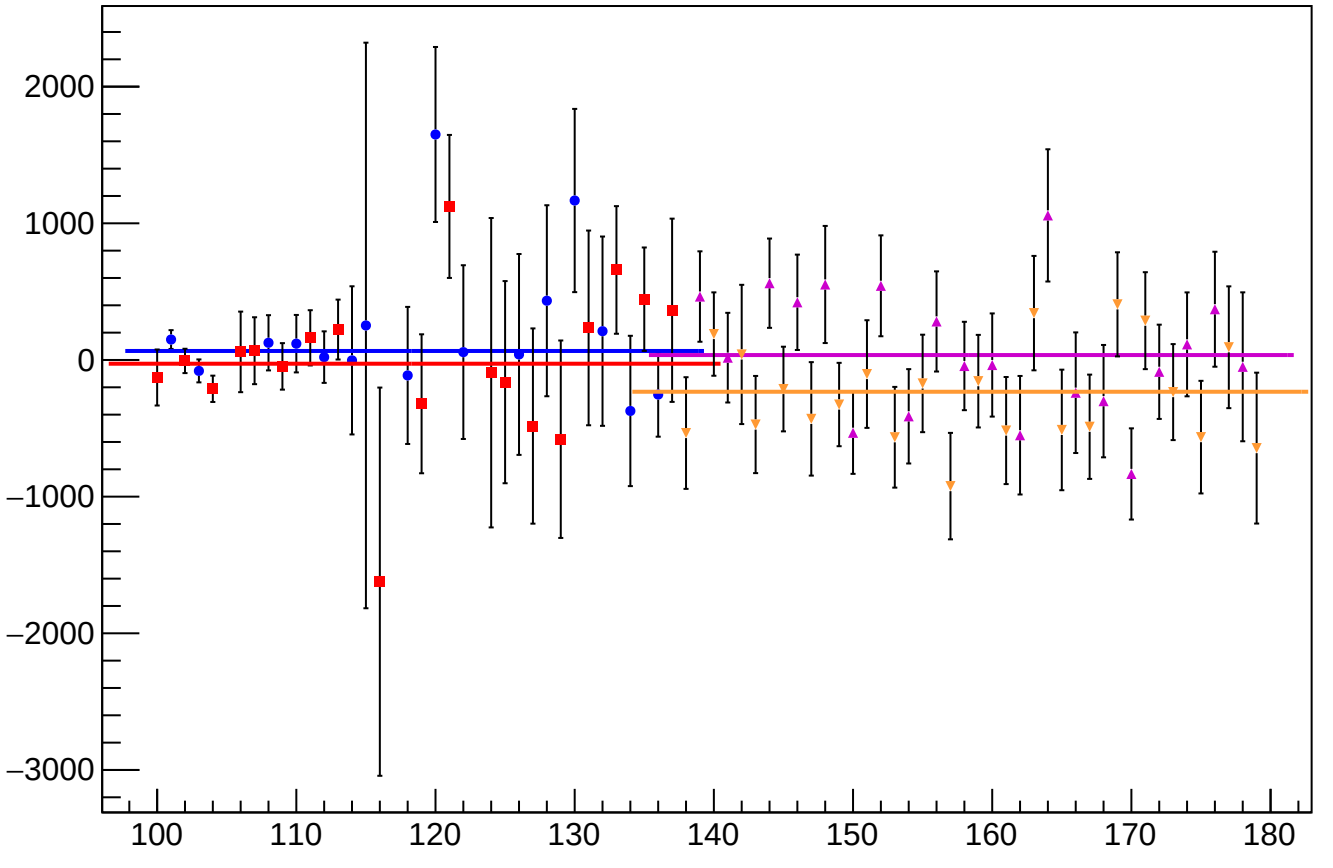
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 62.295+/-0.011 χ²/NDF:333669.8/21
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 62.636+/-0.011 χ²/NDF:227310.7/19
Left: 62.459+/-0.008 χ²/NDF: 561480.5/41
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 59.427+/-0.009 χ²/NDF:851480.0/35
Out: 58.869+/-0.008 χ²/NDF:1046234.5/40
All: 59.138+/-0.006 χ²/NDF: 1899815.2/76



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -232.463+/-80.624 χ^2/NDF:17.7/21

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 36.003+/-82.691 χ^2/NDF:29.6/19

Left: -101.627+/-57.727 χ^2/NDF: 52.7/41

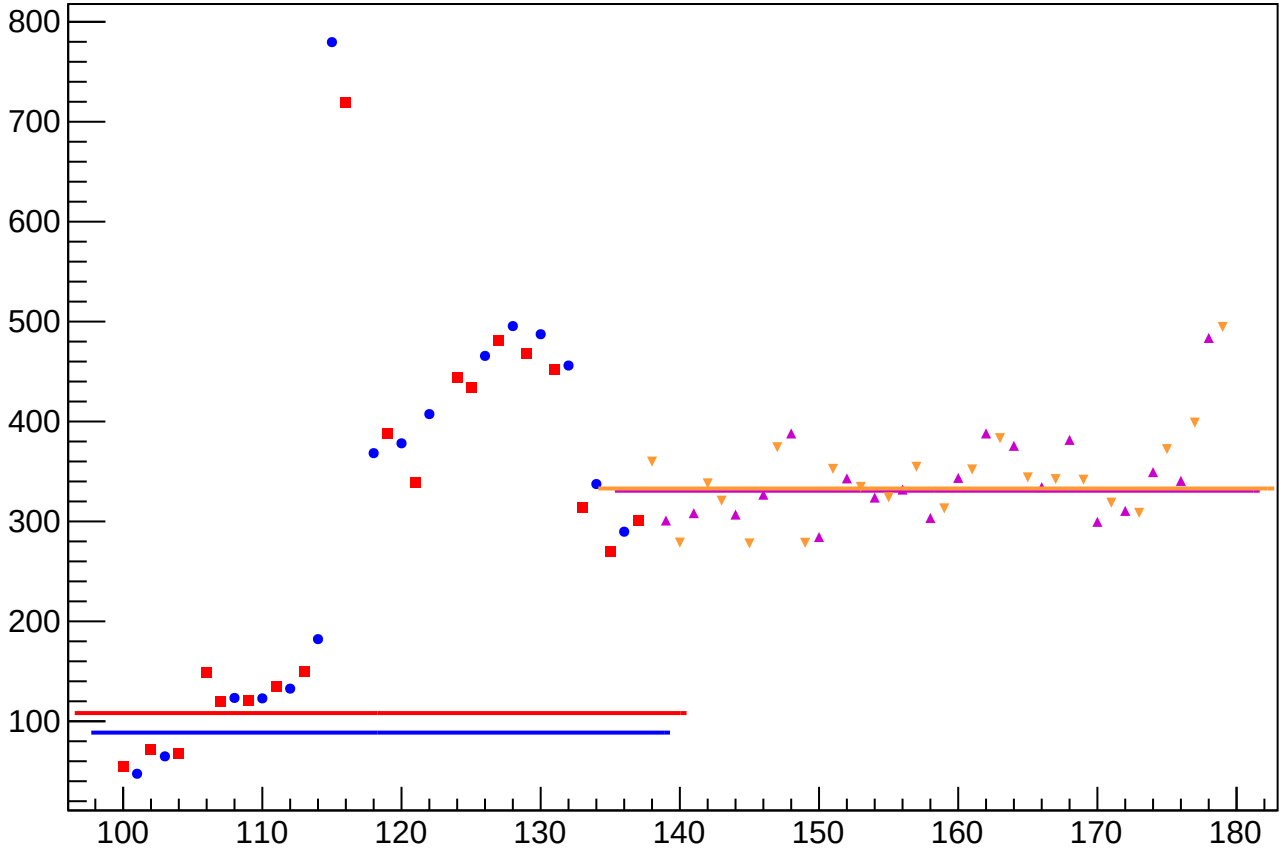
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 58.690+/-40.516 χ^2/NDF:45.4/35

Out: -84.774+/-42.644 χ^2/NDF:40.3/40

All: -9.373+/-29.373 χ^2/NDF: 91.7/76

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 332.952+/-0.057 χ^2/NDF:523584.9/21

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 330.741+/-0.058 χ^2/NDF:410030.6/19

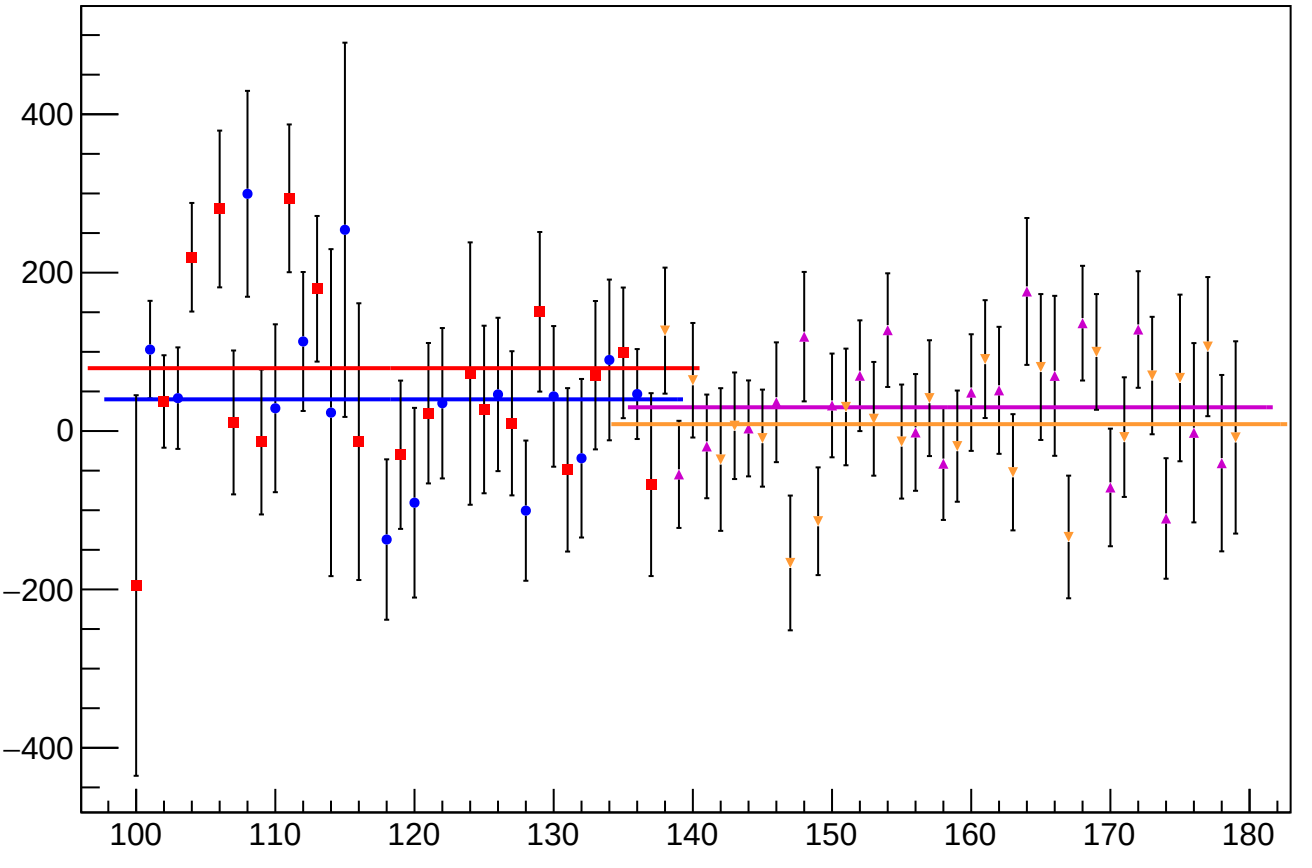
Left: 331.874+/-0.041 χ^2/NDF: 934349.1/41

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 146.773+/-0.029 χ^2/NDF:20084581.0/35

Out: 171.083+/-0.030 χ^2/NDF:17071794.9/40

All: 158.306+/-0.021 χ^2/NDF: 37497954.3/76



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.687+/-16.312 χ^2/NDF:20.9/21

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 30.010+/-16.891 χ^2/NDF:19.3/19

Left: 18.977+/-11.734 χ^2/NDF: 41.1/41

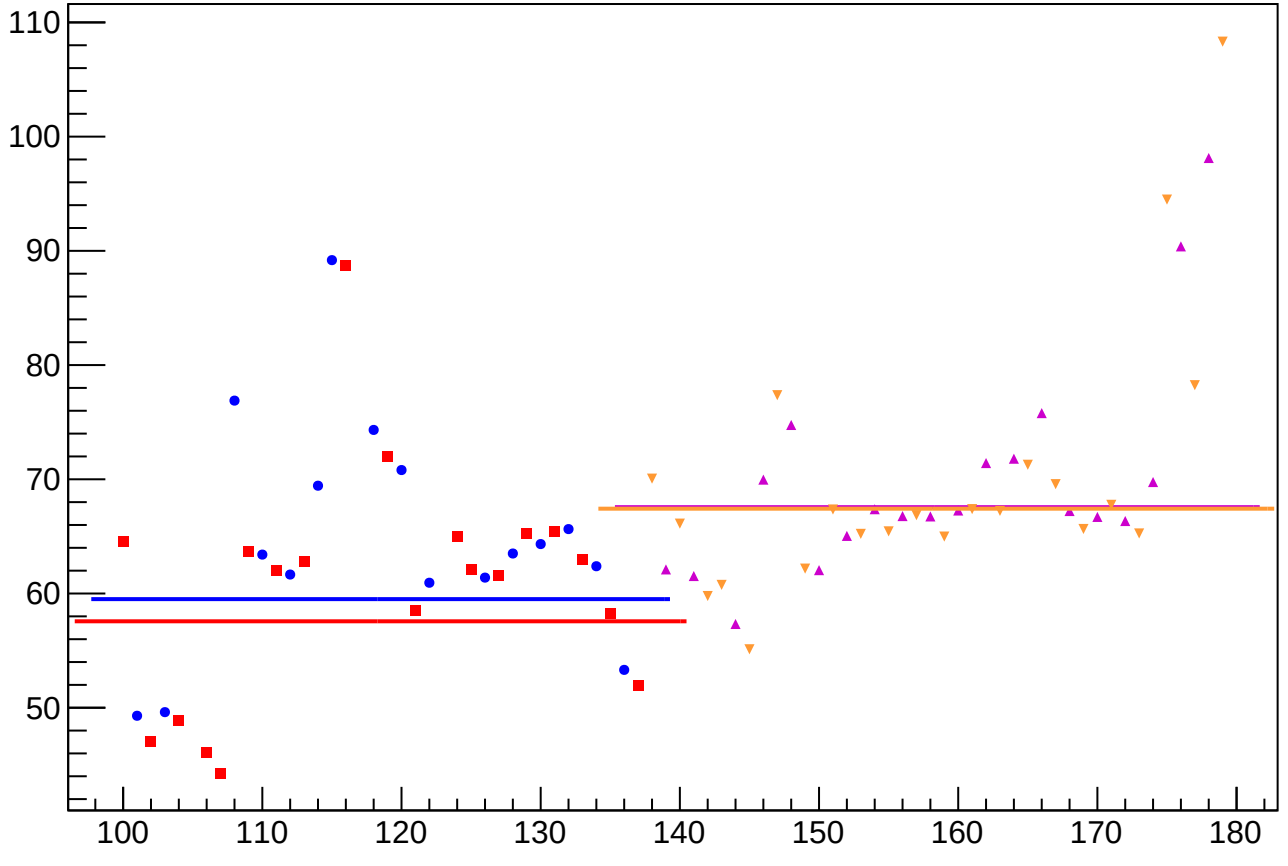
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 33.618+/-13.511 χ^2/NDF:33.6/35

Out: 34.397+/-13.012 χ^2/NDF:52.6/40

All: 34.022+/-9.373 χ^2/NDF: 86.2/76

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 67.427+/-0.012 χ^2/NDF:560151.4/21

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 67.562+/-0.012 χ^2/NDF:378458.1/19

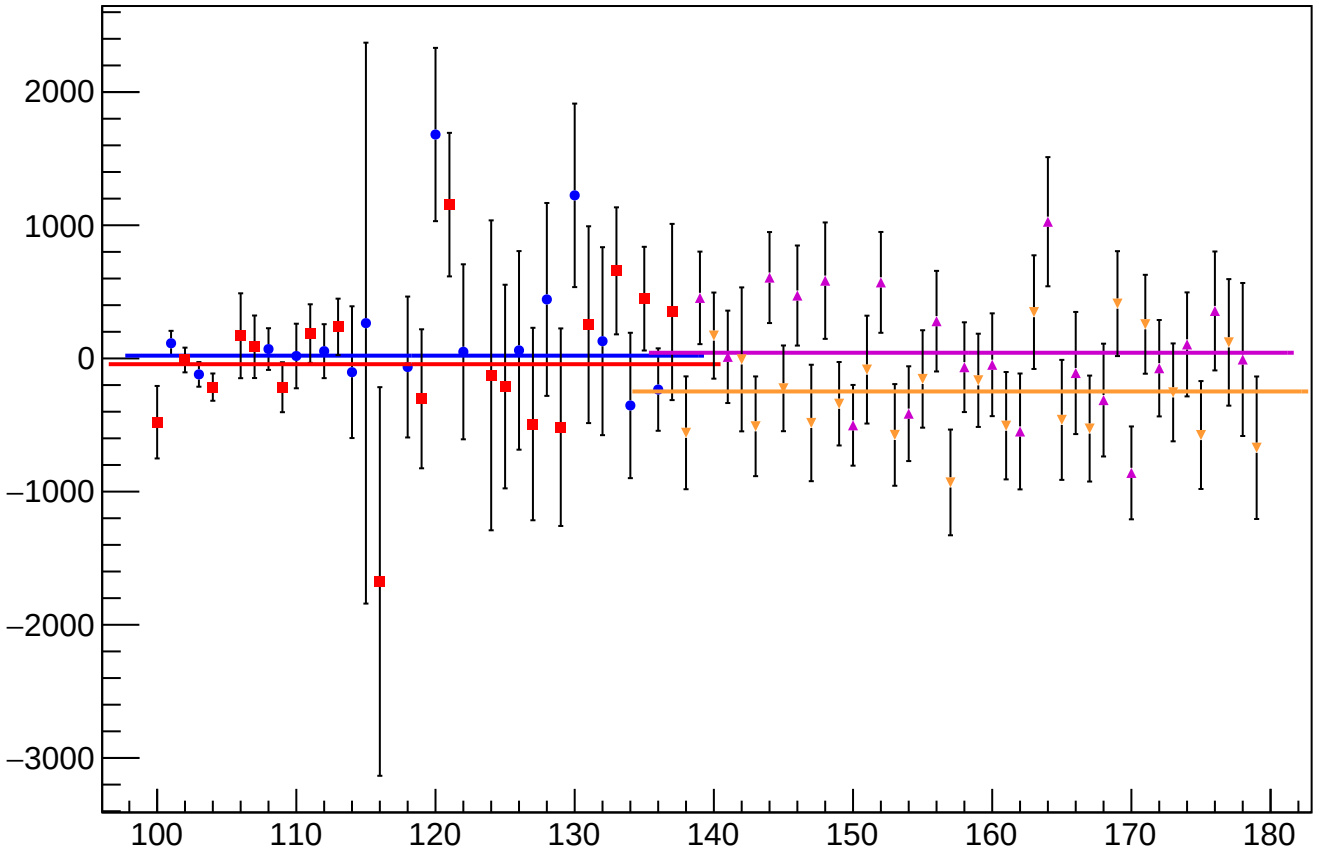
Left: 67.492+/-0.008 χ^2/NDF: 938675.5/41

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 64.662+/-0.010 χ^2/NDF:825377.1/35

Out: 63.841+/-0.009 χ^2/NDF:1173288.7/40

All: 64.236+/-0.007 χ^2/NDF: 2002493.2/76



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -248.005+/-83.416 χ^2/NDF:16.9/21

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 42.669+/-85.722 χ^2/NDF:28.5/19

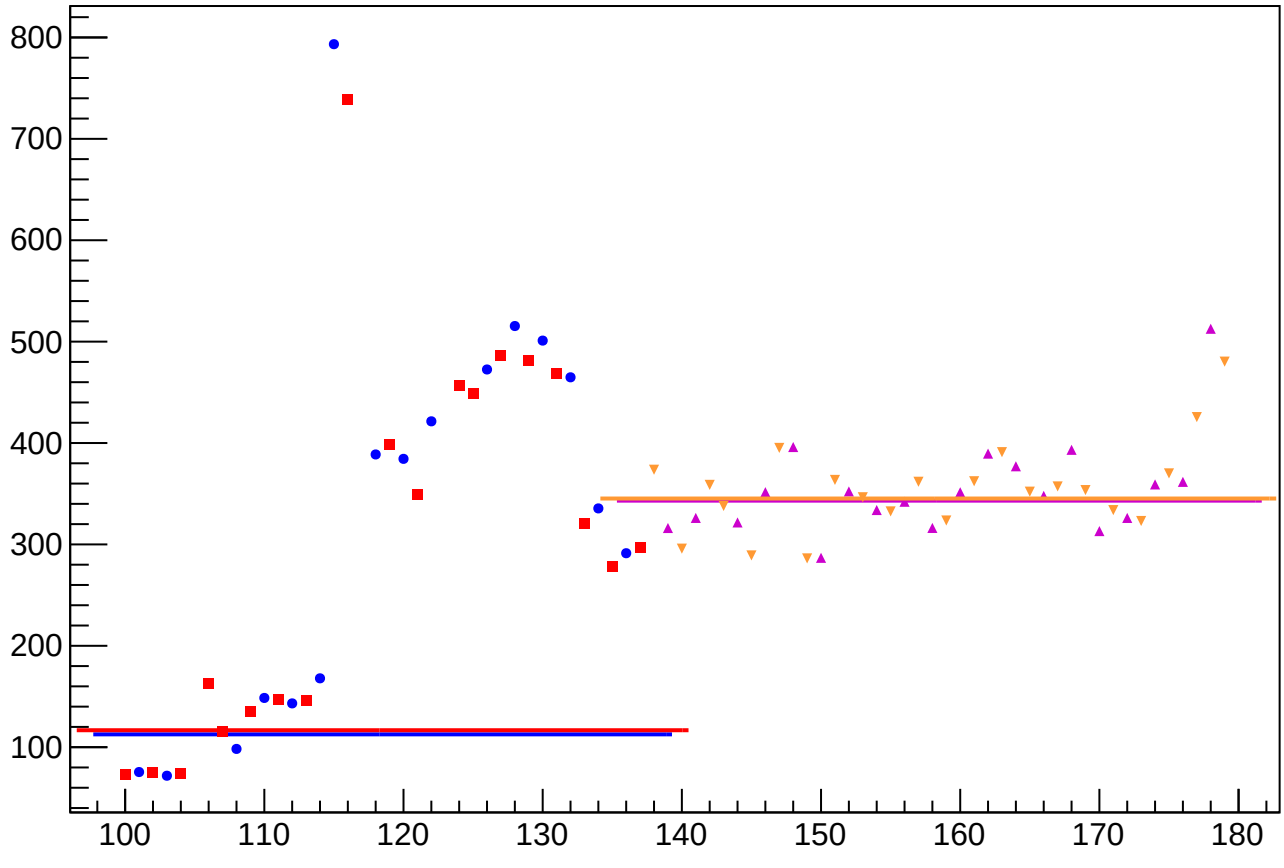
Left: -106.629+/-59.783 χ^2/NDF: 51.2/41

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 26.973+/-45.438 χ^2/NDF:43.1/35

Out: -102.477+/-44.860 χ^2/NDF:42.7/40

All: -38.580+/-31.923 χ^2/NDF: 89.9/76



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 345.258+/-0.059 χ^2/NDF:464147.0/21

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 343.175+/-0.061 χ^2/NDF:401441.9/19

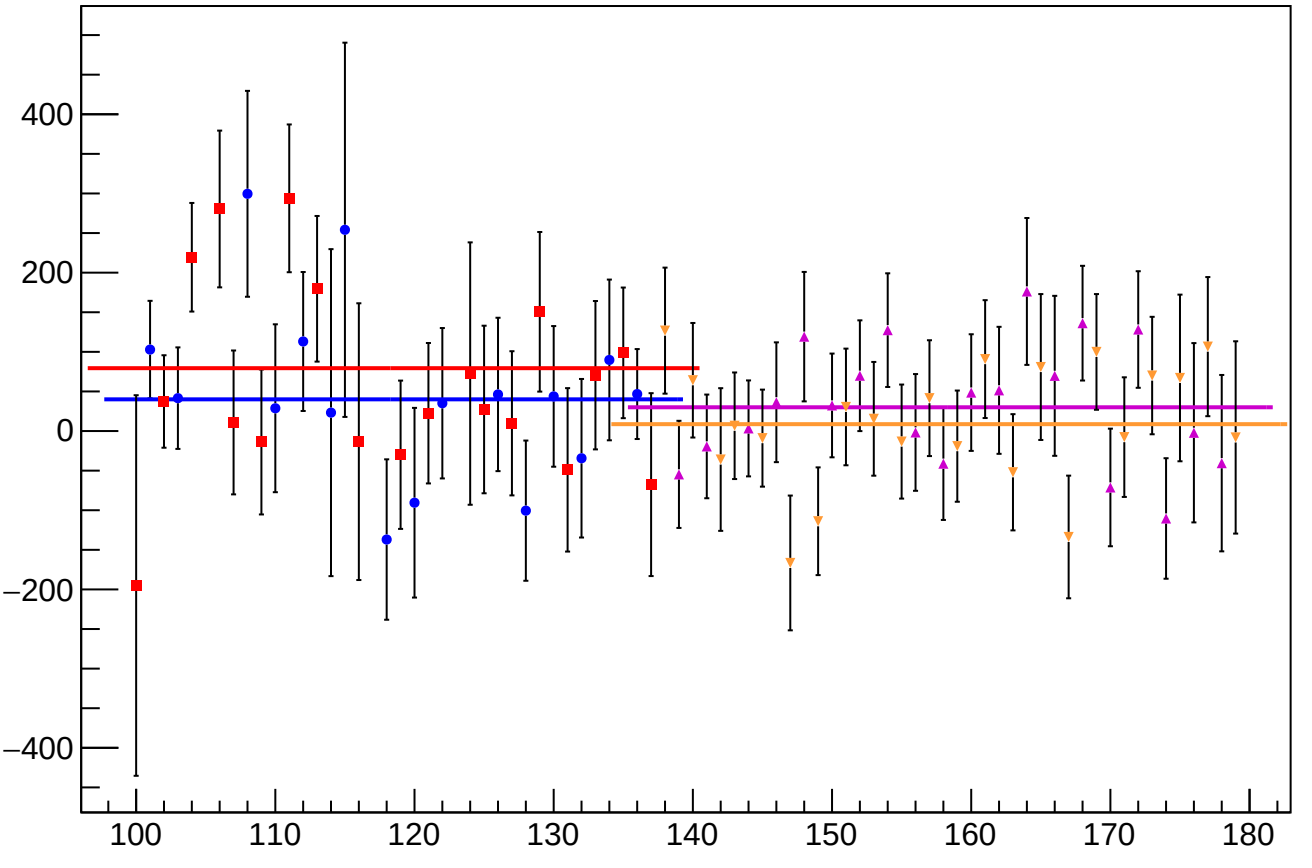
Left: 344.245+/-0.042 χ^2/NDF: 866195.3/41

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 177.433+/-0.032 χ^2/NDF:16399486.5/35

Out: 182.826+/-0.032 χ^2/NDF:16274741.0/40

All: 180.164+/-0.023 χ^2/NDF: 32688494.7/76



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.688+/-16.312 χ^2/NDF:20.9/21

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 30.010+/-16.891 χ^2/NDF:19.3/19

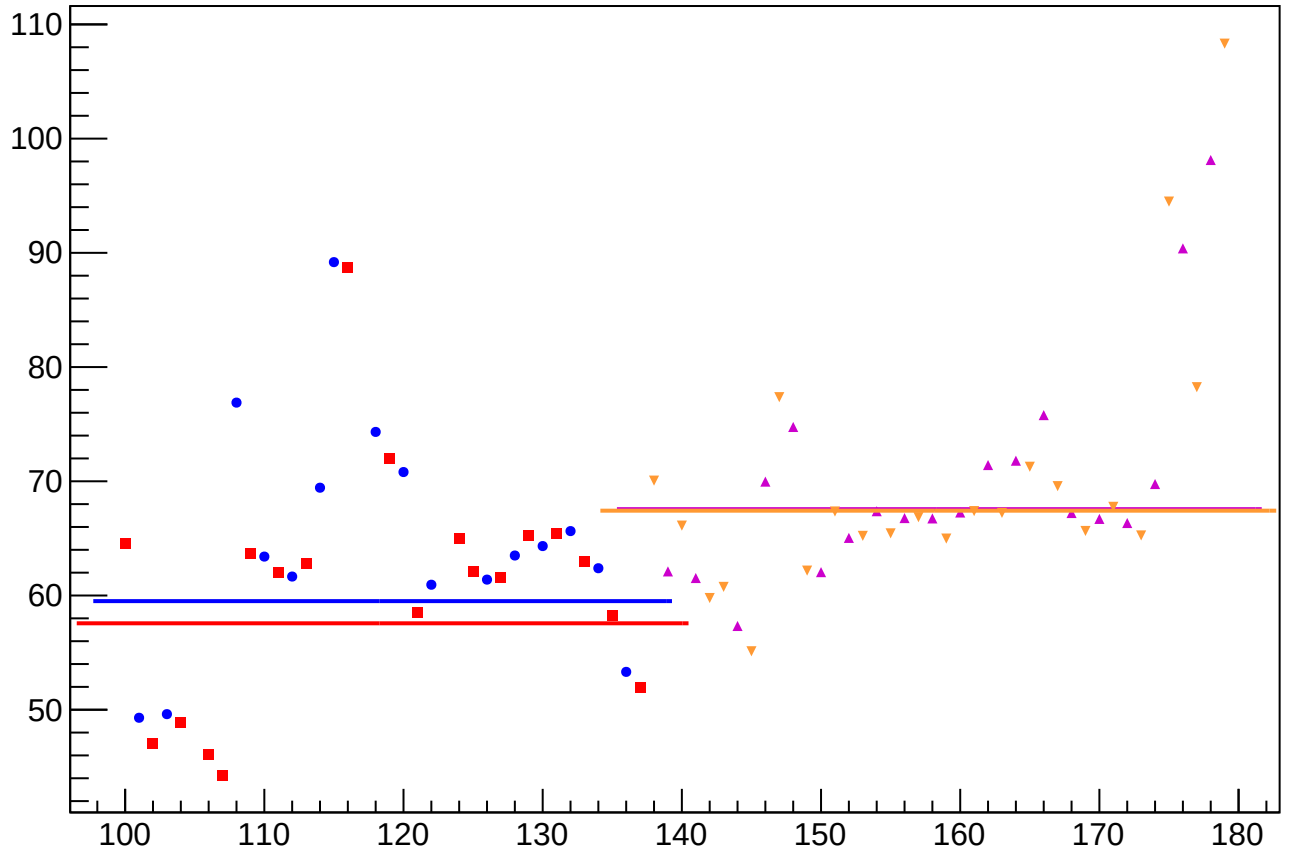
Left: 18.977+/-11.734 χ^2/NDF: 41.1/41

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 33.618+/-13.511 χ^2/NDF:33.6/35

Out: 34.397+/-13.012 χ^2/NDF:52.6/40

All: 34.022+/-9.373 χ^2/NDF: 86.2/76



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 67.427+/-0.012 χ^2/NDF:560140.0/21

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 67.562+/-0.012 χ^2/NDF:378440.7/19

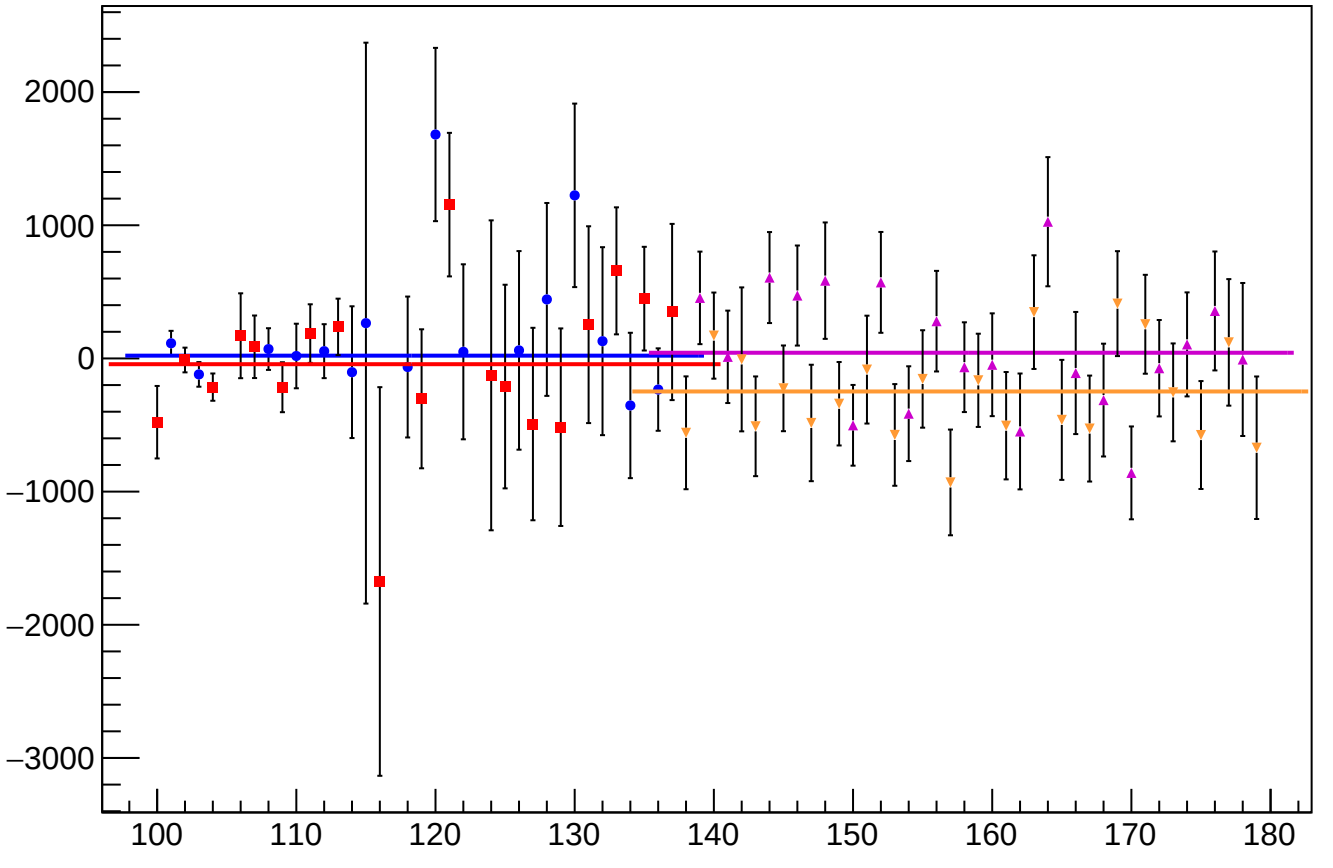
Left: 67.492+/-0.008 χ^2/NDF: 938646.8/41

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 64.662+/-0.010 χ^2/NDF:825366.9/35

Out: 63.841+/-0.009 χ^2/NDF:1173282.6/40

All: 64.236+/-0.007 χ^2/NDF: 2002477.2/76



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -248.004+/-83.417 χ^2/NDF:16.9/21

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 42.669+/-85.722 χ^2/NDF:28.5/19

Left: -106.629+/-59.783 χ^2/NDF: 51.2/41

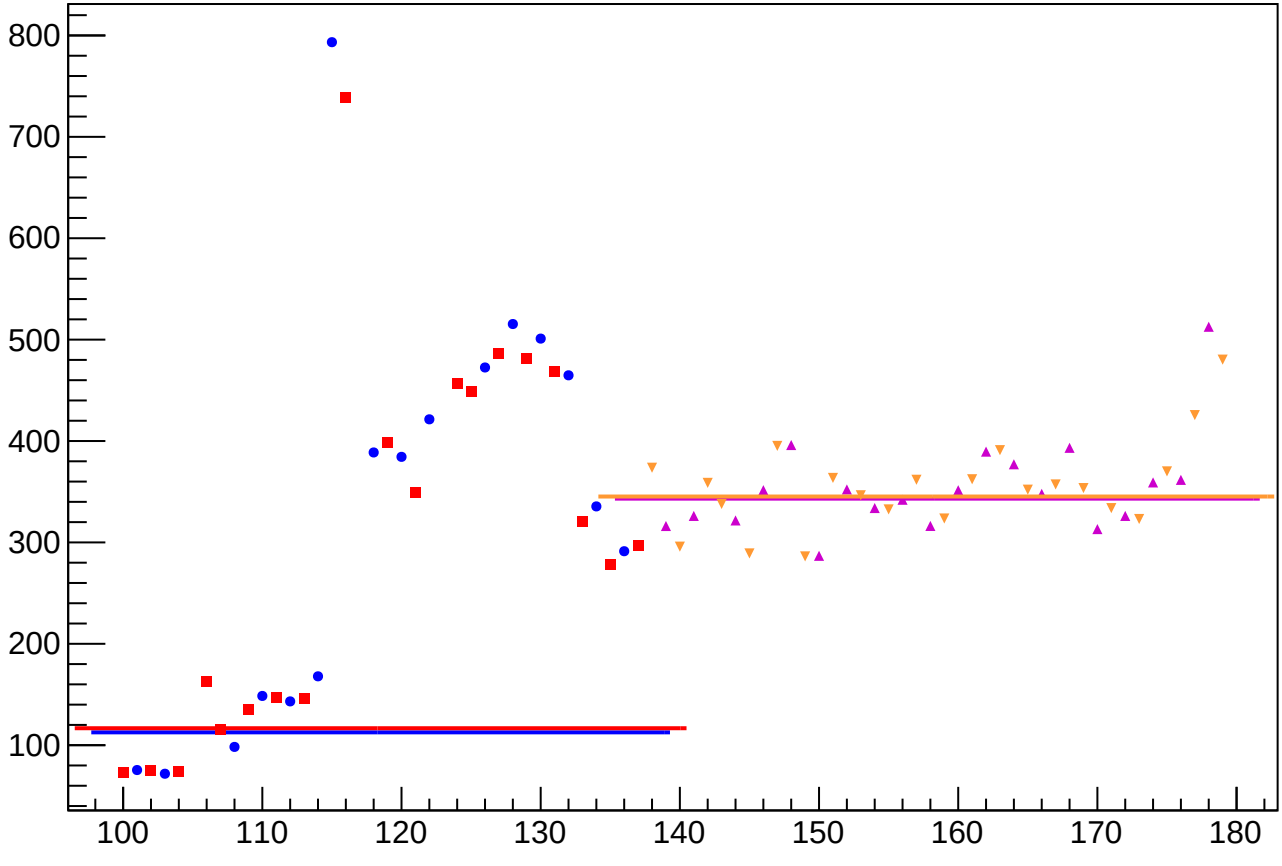
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 26.973+/-45.438 χ^2/NDF:43.1/35

Out: -102.476+/-44.860 χ^2/NDF:42.7/40

All: -38.580+/-31.923 χ^2/NDF: 89.9/76

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 345.259+/-0.059 χ^2/NDF:464142.1/21

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 343.176+/-0.061 χ^2/NDF:401435.0/19

Left: 344.246+/-0.042 χ^2/NDF: 866183.4/41

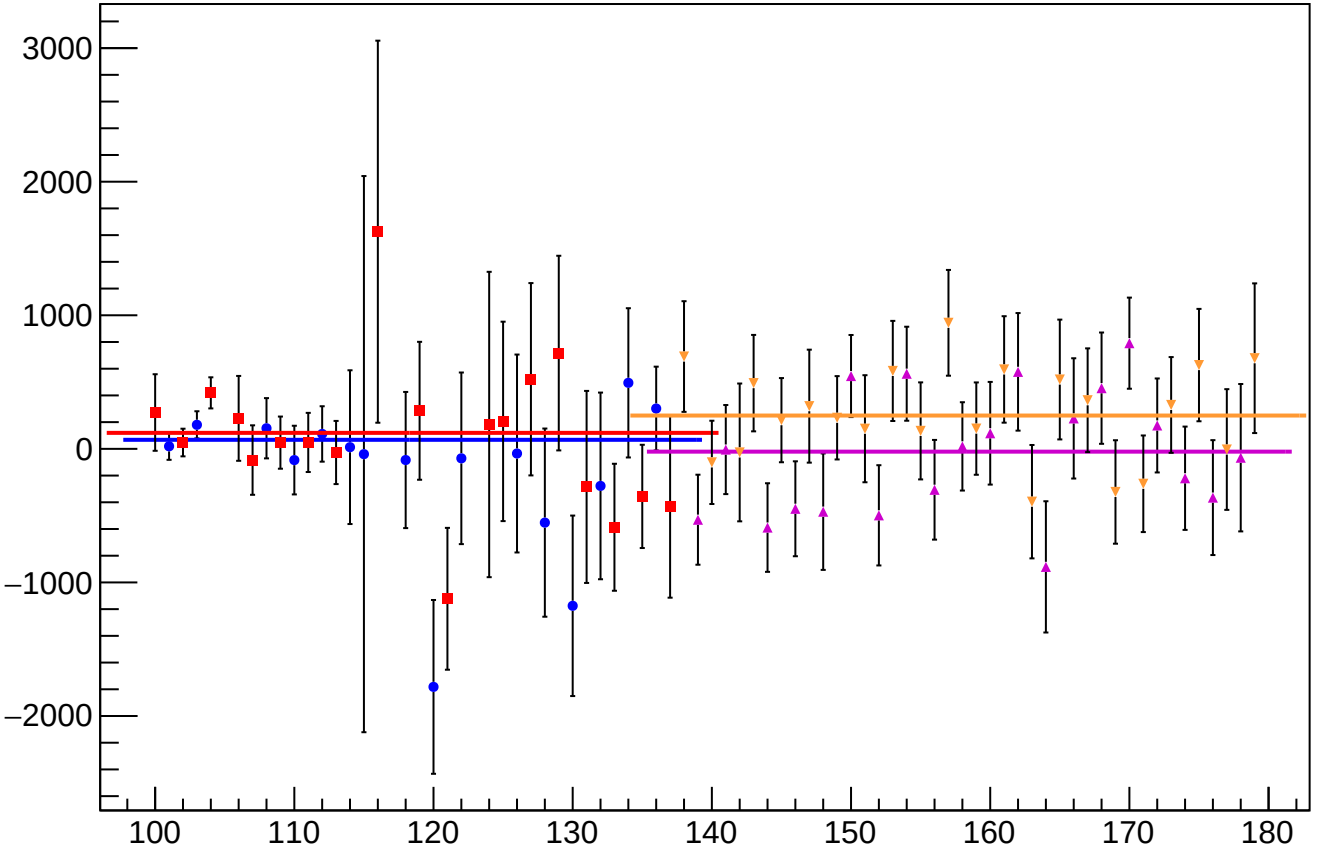
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 177.433+/-0.032 χ^2/NDF:16399540.5/35

Out: 182.826+/-0.032 χ^2/NDF:16274820.4/40

All: 180.164+/-0.023 χ^2/NDF: 32688627.3/76

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 249.425+/-82.074 χ^2/NDF:16.7/21

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -20.949+/-84.216 χ^2/NDF:29.6/19

Left: 117.719+/-58.778 χ^2/NDF: 51.7/41

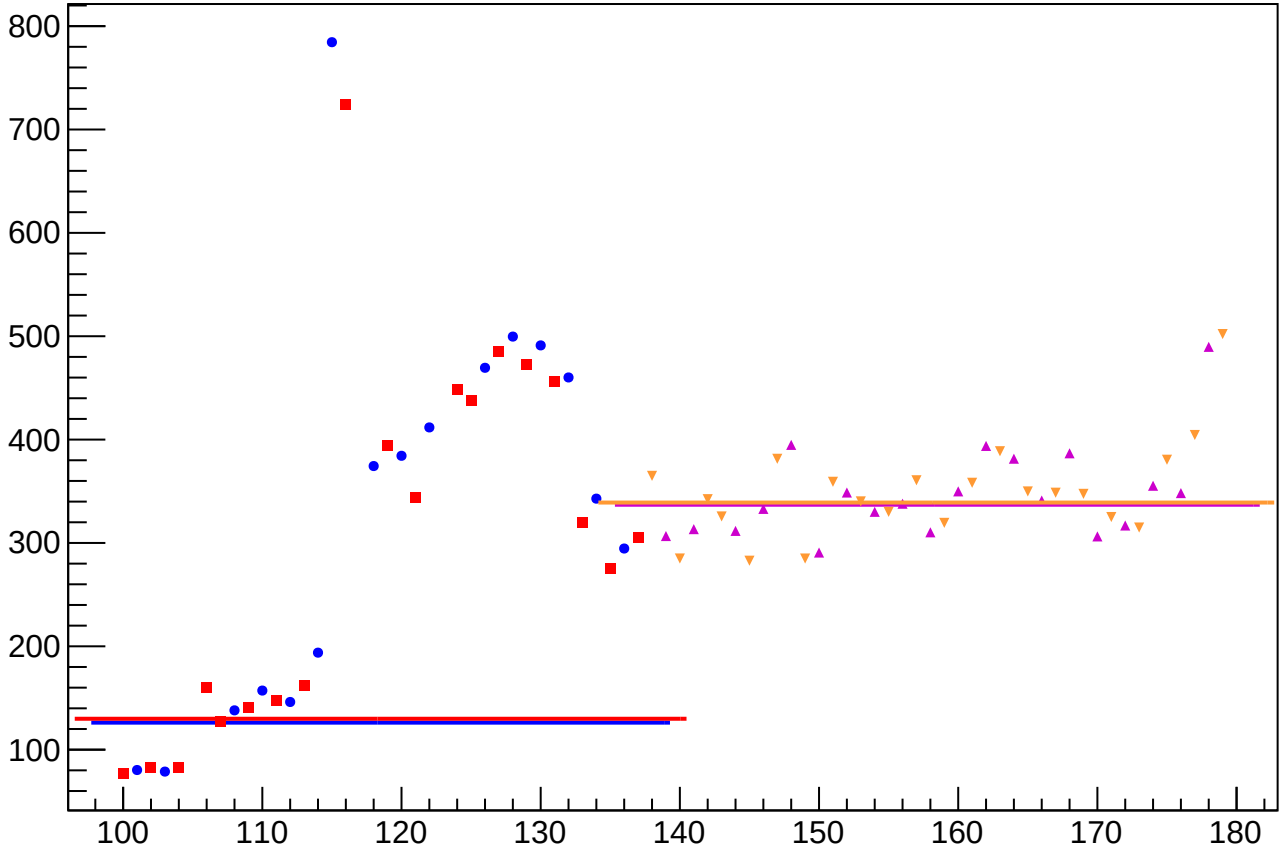
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 38.349+/-48.414 χ^2/NDF:46.2/35

Out: 162.805+/-47.334 χ^2/NDF:39.5/40

All: 101.980+/-33.846 χ^2/NDF: 89.1/76

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 339.089+/-0.058 χ^2/NDF:511601.0/21

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 336.971+/-0.060 χ^2/NDF:397236.8/19

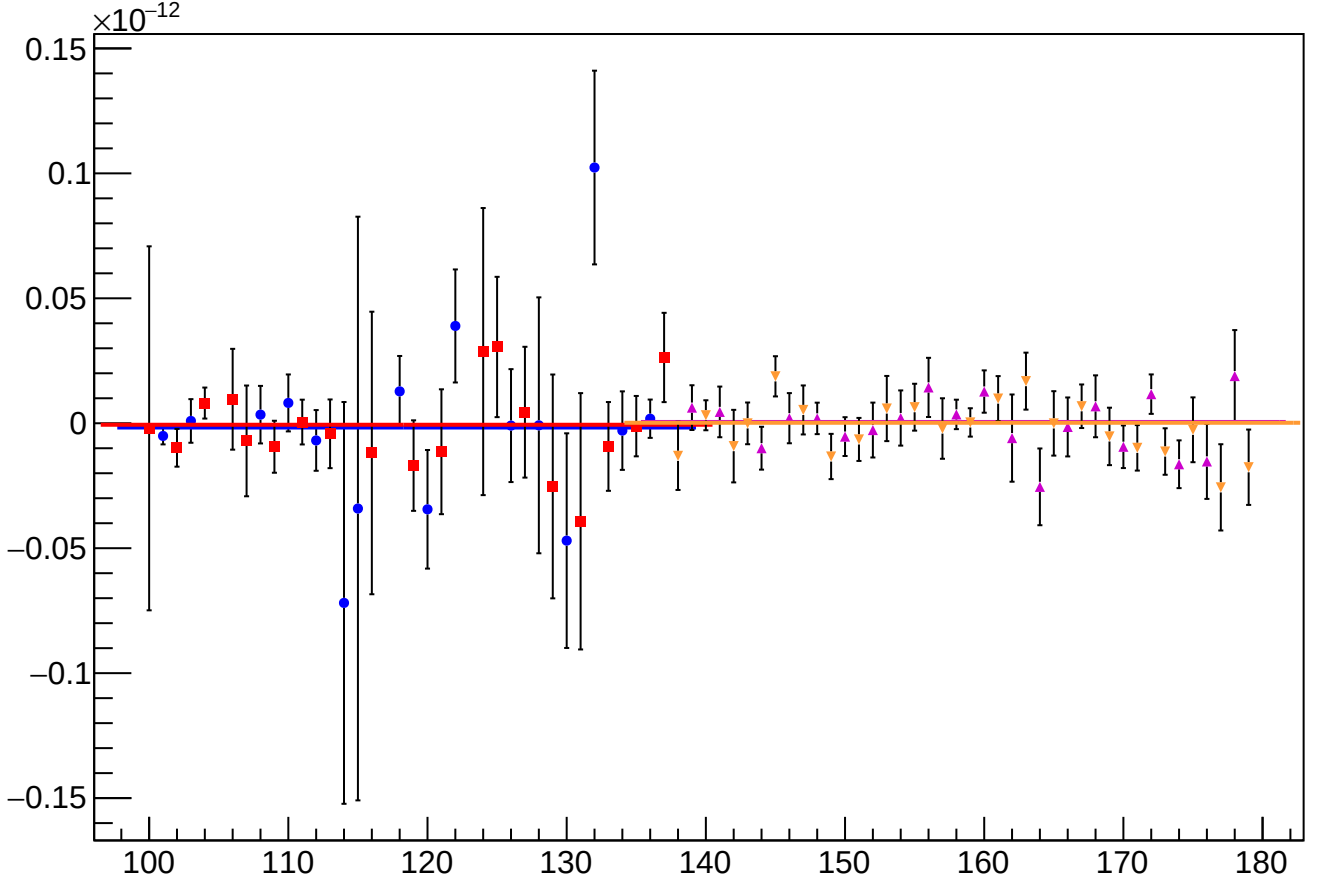
Left: 338.057+/-0.042 χ^2/NDF: 909486.9/41

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 195.827+/-0.034 χ^2/NDF:14008322.9/35

Out: 199.489+/-0.033 χ^2/NDF:13829141.7/40

All: 197.699+/-0.024 χ^2/NDF: 27843314.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/19

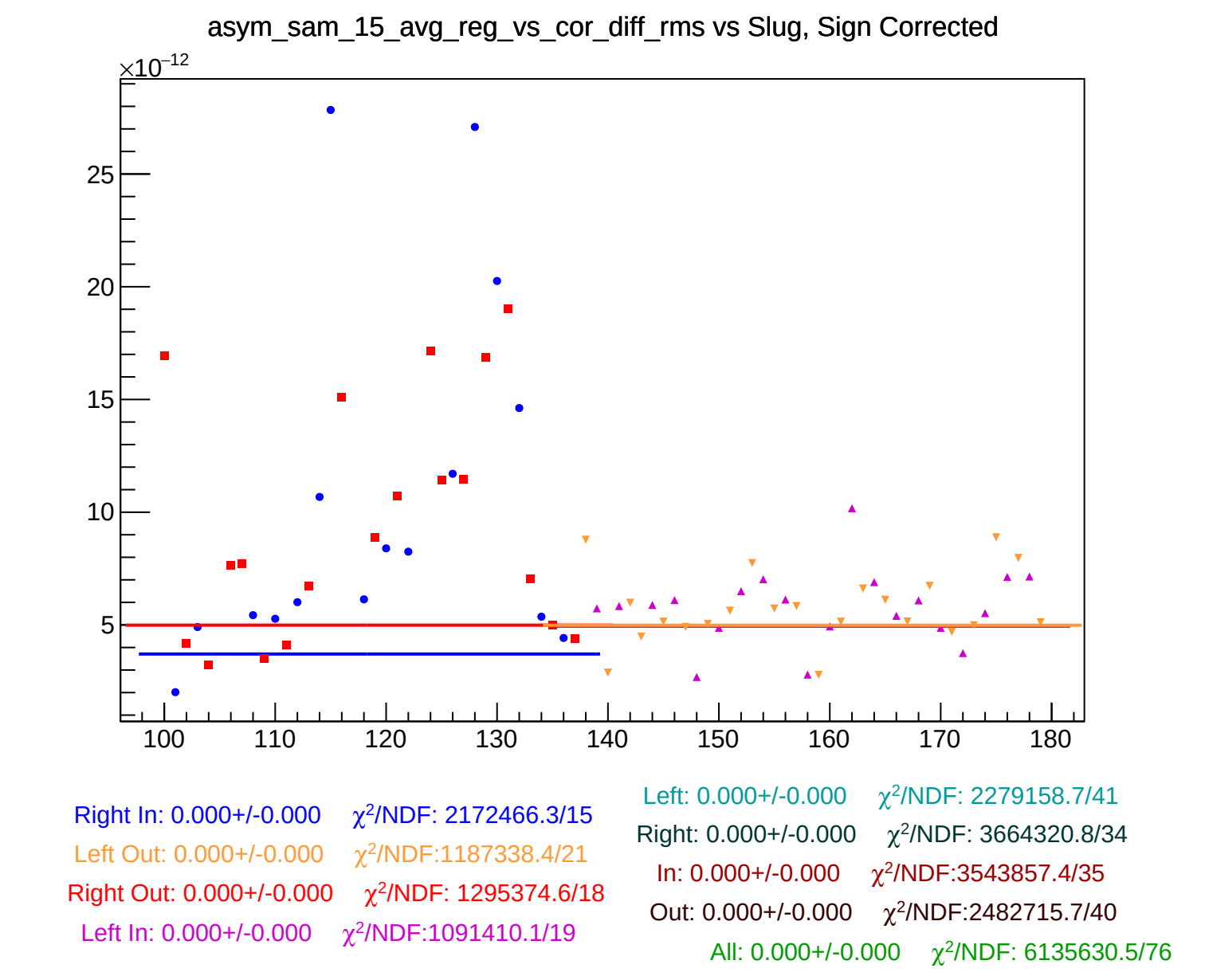
Left: 0.000+/-0.000 χ^2/NDF: 39.6/41

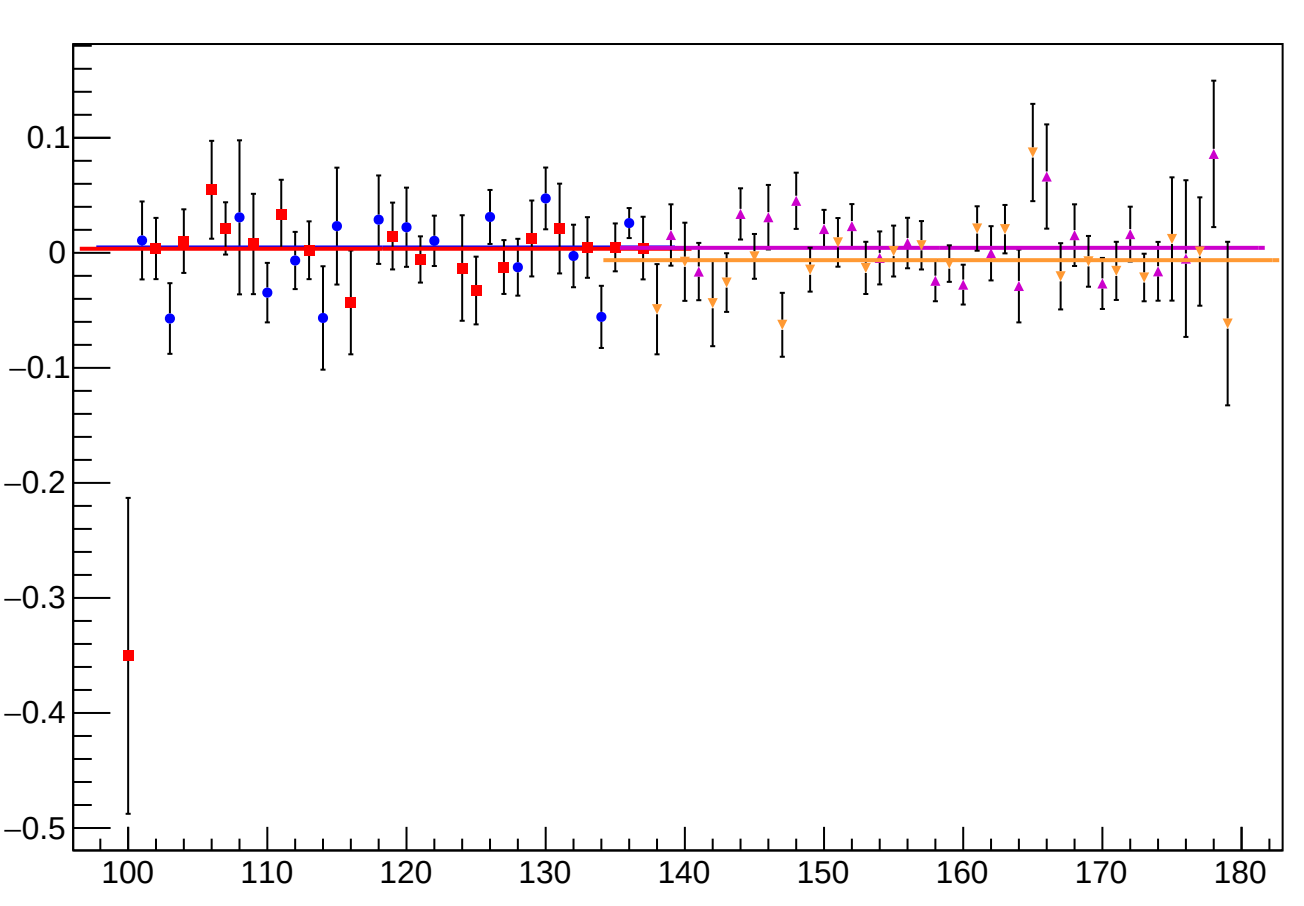
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:36.6/35

Out: -0.000+/-0.000 χ^2/NDF:31.8/40

All: -0.000+/-0.000 χ^2/NDF: 68.4/76


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1187338.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1091410.1/19
Left: 0.000+/-0.000 χ²/NDF: 2279158.7/41
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3543857.4/35
Out: 0.000+/-0.000 χ²/NDF:2482715.7/40
All: 0.000+/-0.000 χ²/NDF: 6135630.5/76



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:22.1/19

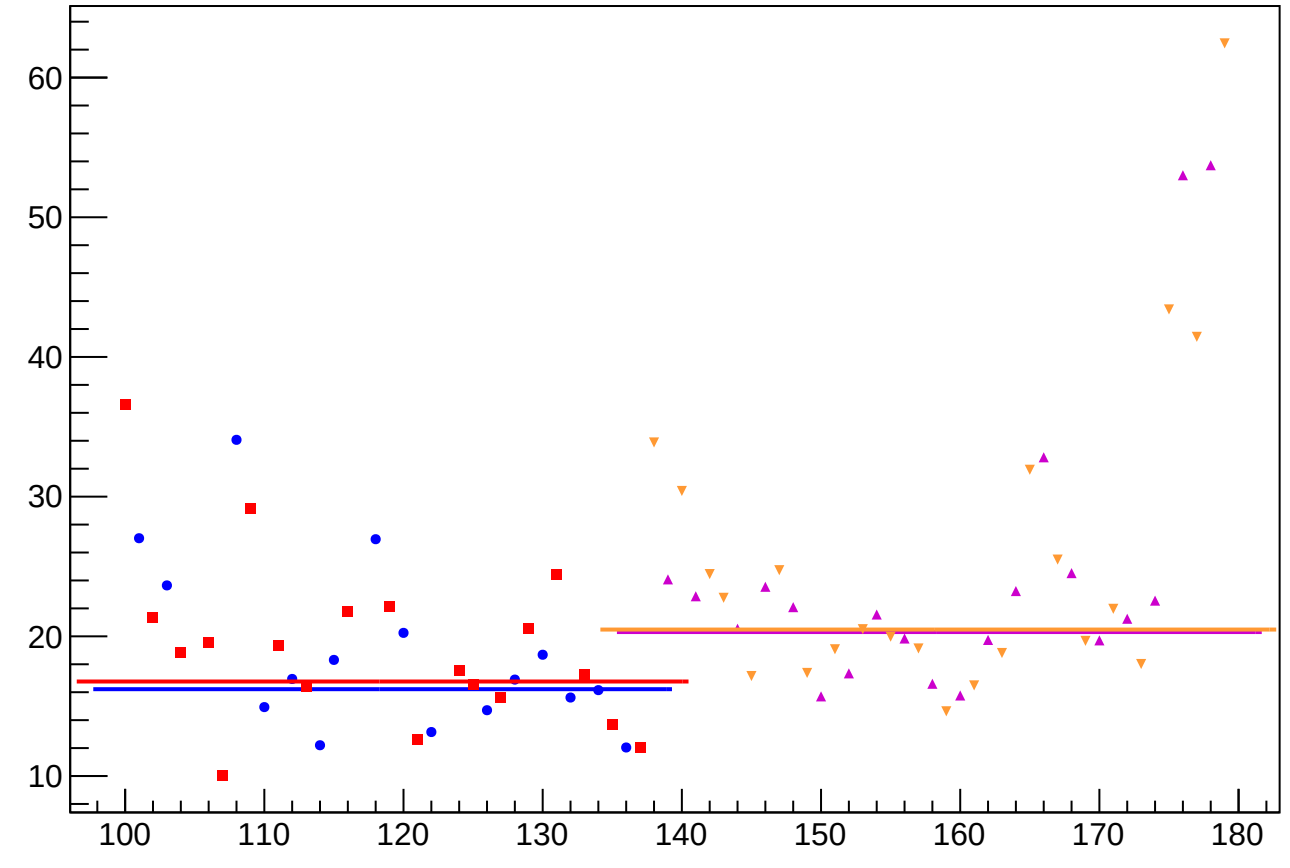
Left: -0.001+/-0.004 χ^2/NDF: 42.6/41

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.5/76



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.4/21

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.307+/-0.004 χ^2/NDF:1783071.4/19

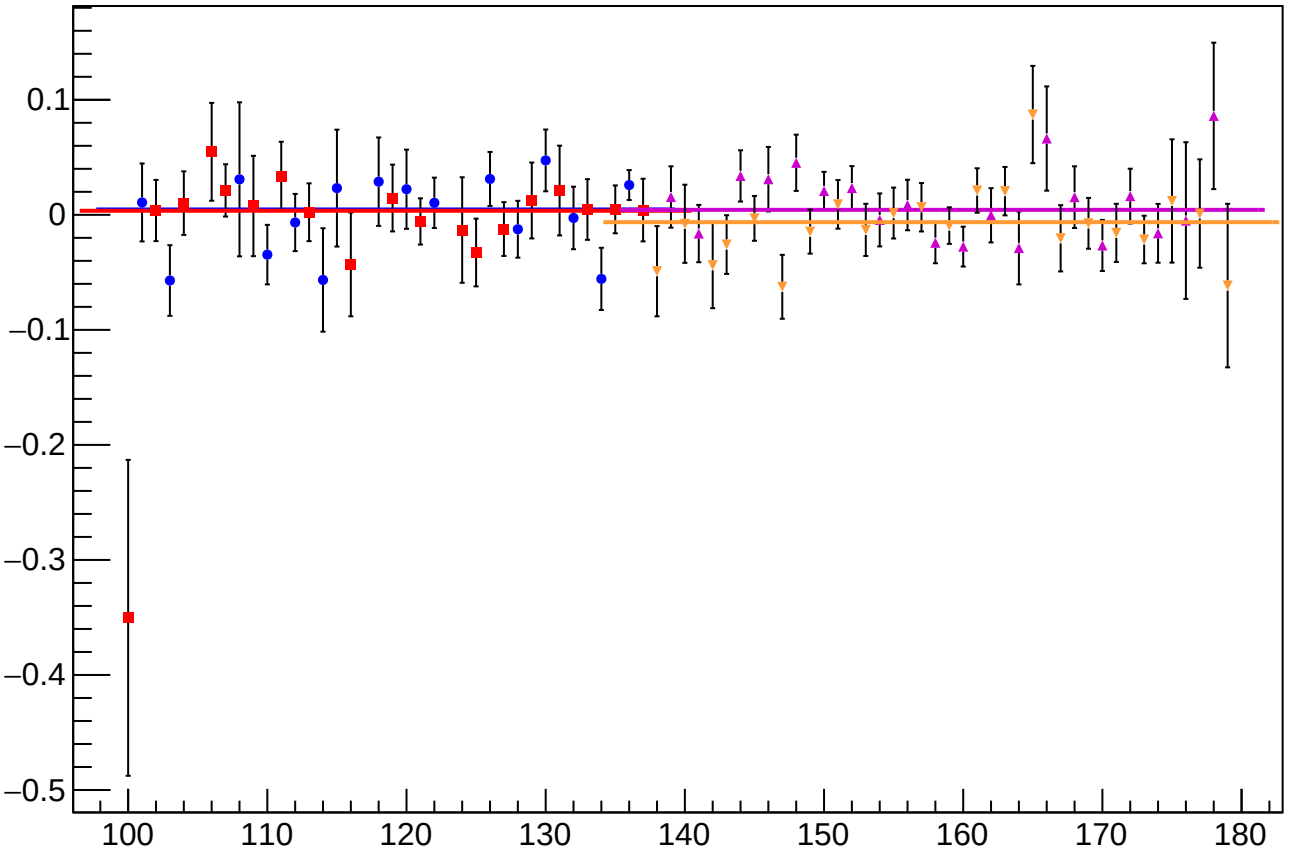
Left: 20.398+/-0.003 χ^2/NDF: 4476322.1/41

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.683+/-0.003 χ^2/NDF:3195021.0/35

Out: 19.057+/-0.003 χ^2/NDF:3946925.6/40

All: 18.871+/-0.002 χ^2/NDF: 7150214.8/76



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:22.1/19

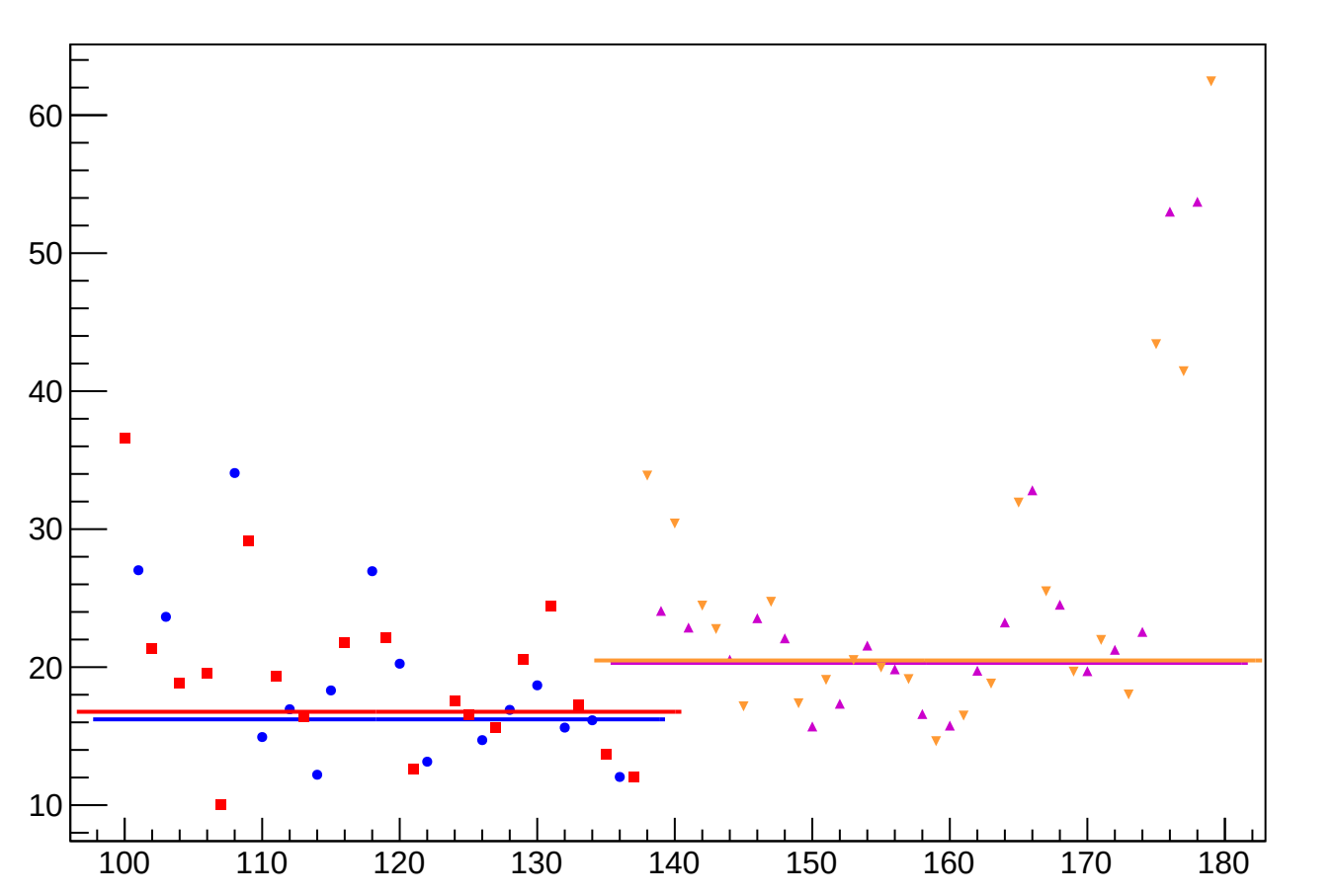
Left: -0.001+/-0.004 χ^2/NDF: 42.6/41

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.5/76



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.4/21

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.307+/-0.004 χ^2/NDF:1783071.4/19

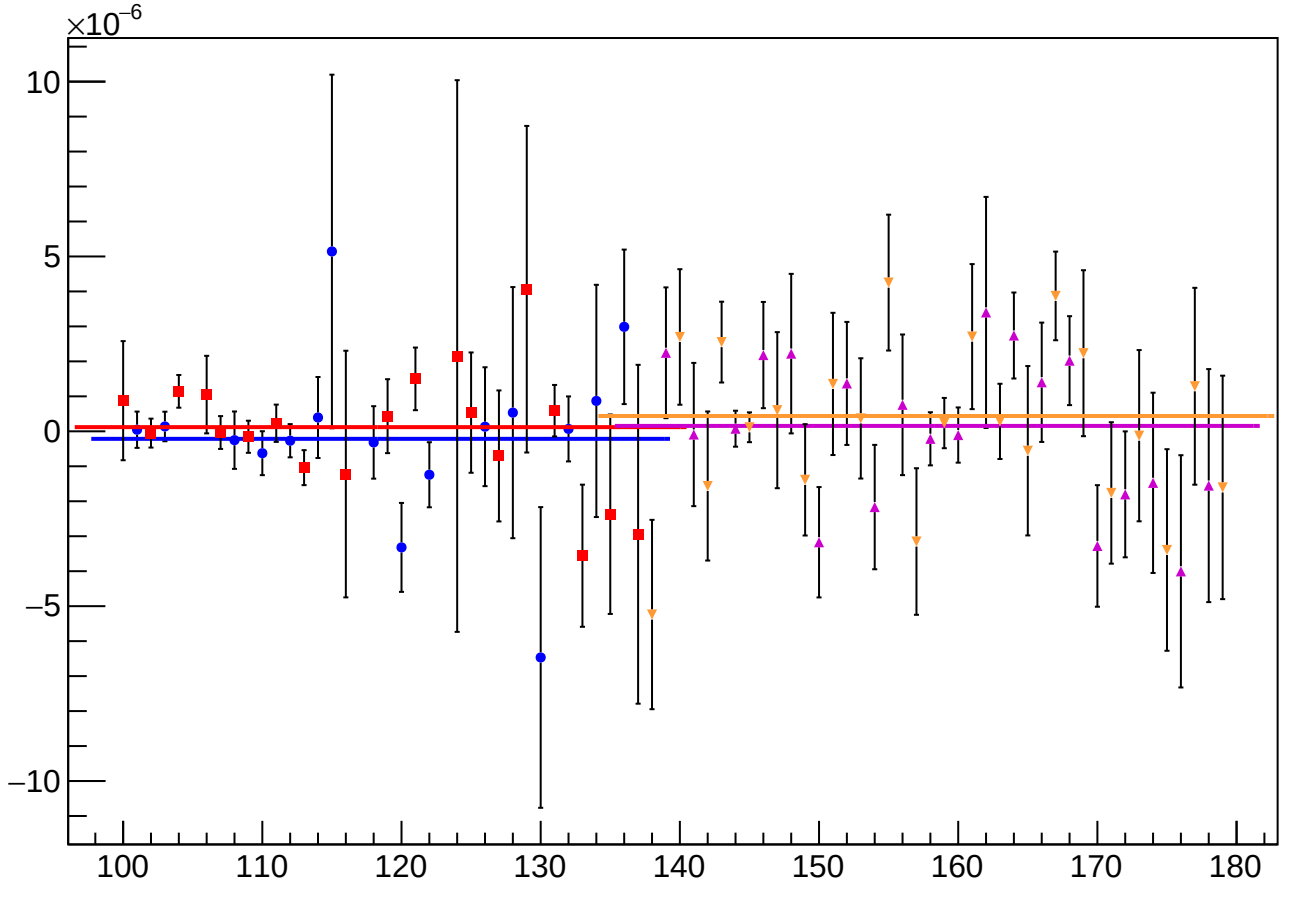
Left: 20.398+/-0.003 χ^2/NDF: 4476322.1/41

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.683+/-0.003 χ^2/NDF:3195021.0/35

Out: 19.057+/-0.003 χ^2/NDF:3946925.6/40

All: 18.871+/-0.002 χ^2/NDF: 7150214.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.3/19

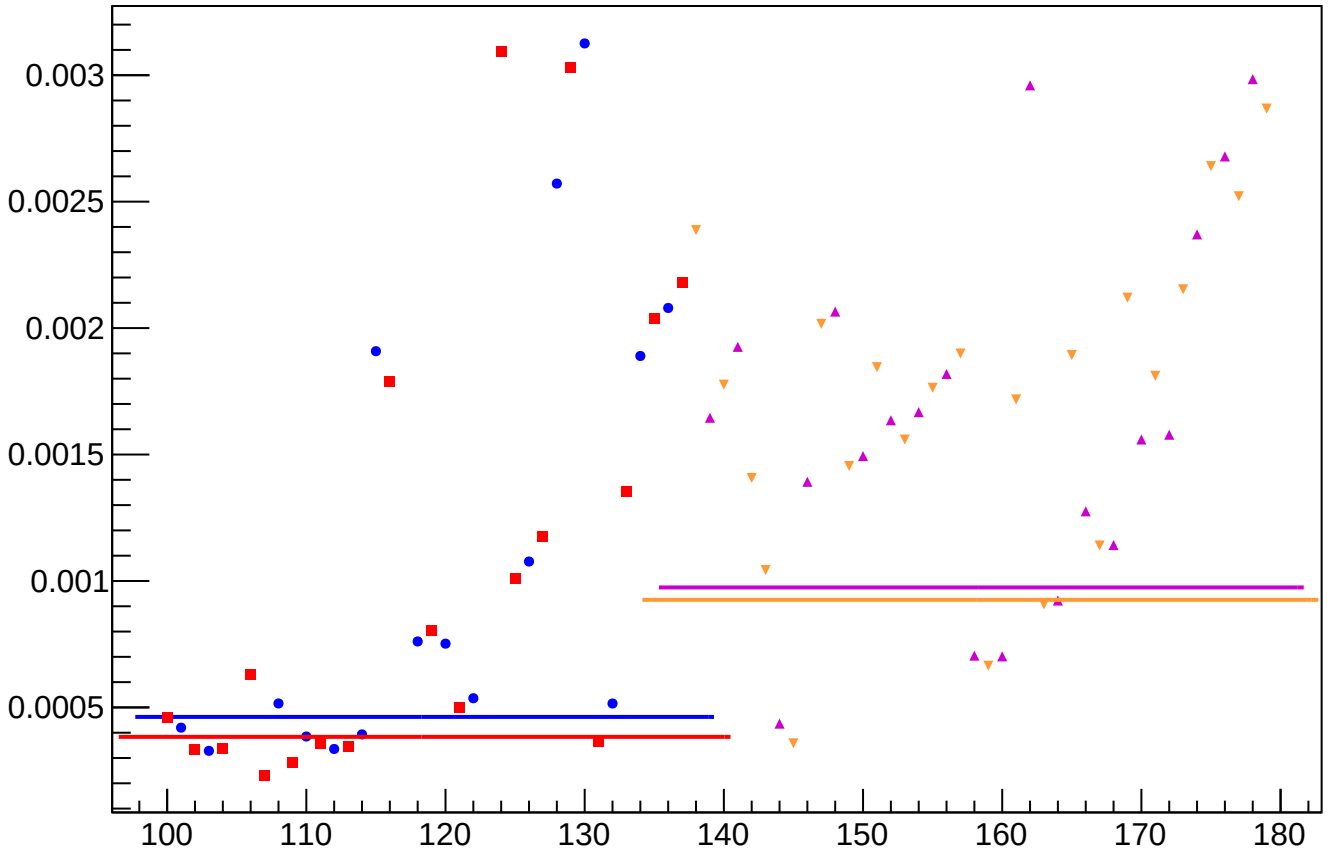
Left: 0.000+/-0.000 χ^2/NDF: 58.6/41

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:41.9/35

Out: 0.000+/-0.000 χ^2/NDF:52.9/40

All: 0.000+/-0.000 χ^2/NDF: 96.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:11236952.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:8252330.9/19

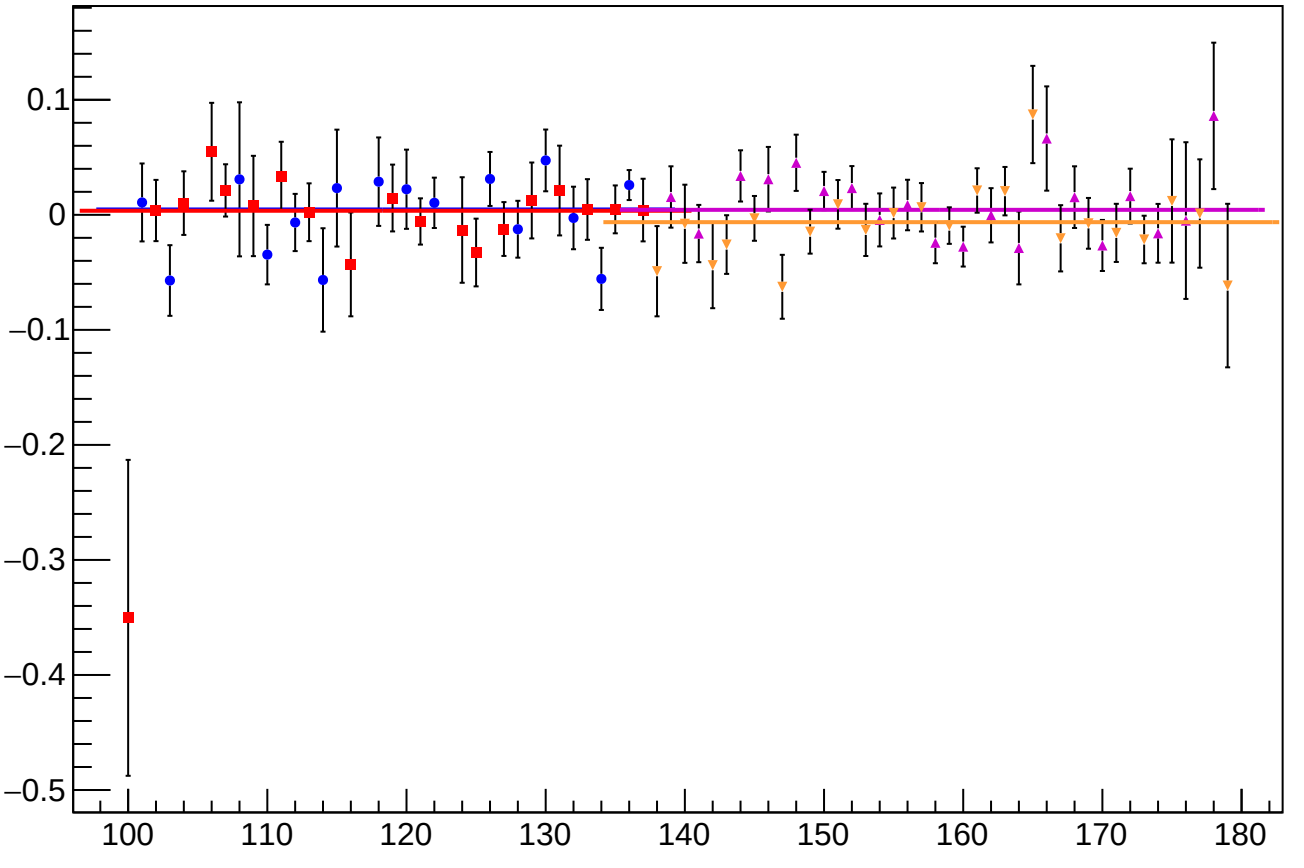
Left: 0.001+/-0.000 χ^2/NDF: 19519884.2/41

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:16468034.6/35

Out: 0.001+/-0.000 χ^2/NDF:20886799.4/40

All: 0.001+/-0.000 χ^2/NDF: 37773489.1/76



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:22.1/19

Left: -0.001+/-0.004 χ^2/NDF: 42.6/41

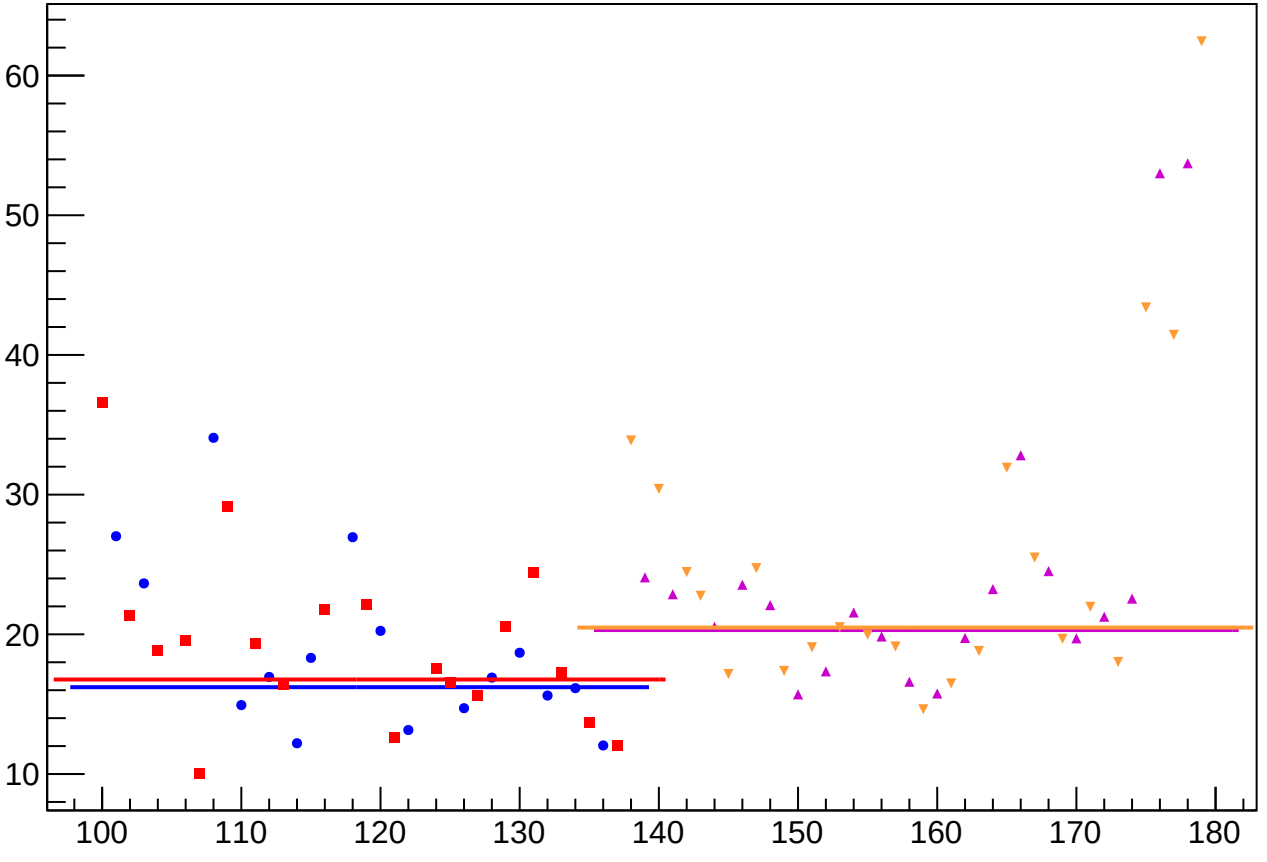
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.5/76

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.2/21

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.307+/-0.004 χ^2/NDF:1783121.0/19

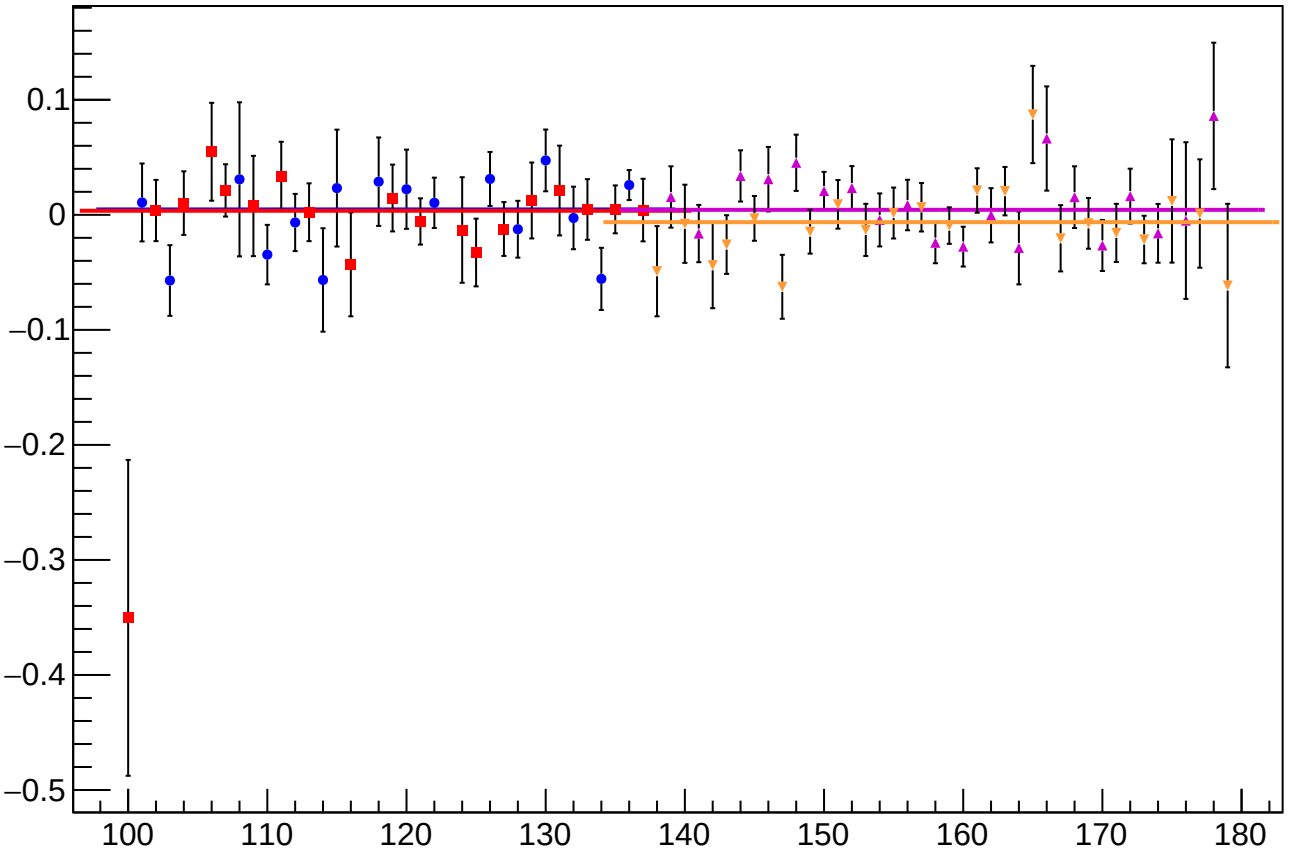
Left: 20.398+/-0.003 χ^2/NDF: 4476372.3/41

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.683+/-0.003 χ^2/NDF:3195097.2/35

Out: 19.057+/-0.003 χ^2/NDF:3946991.8/40

All: 18.871+/-0.002 χ^2/NDF: 7150358.6/76



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:18.5/21

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:22.1/19

Left: -0.001+/-0.004 χ^2/NDF: 42.6/41

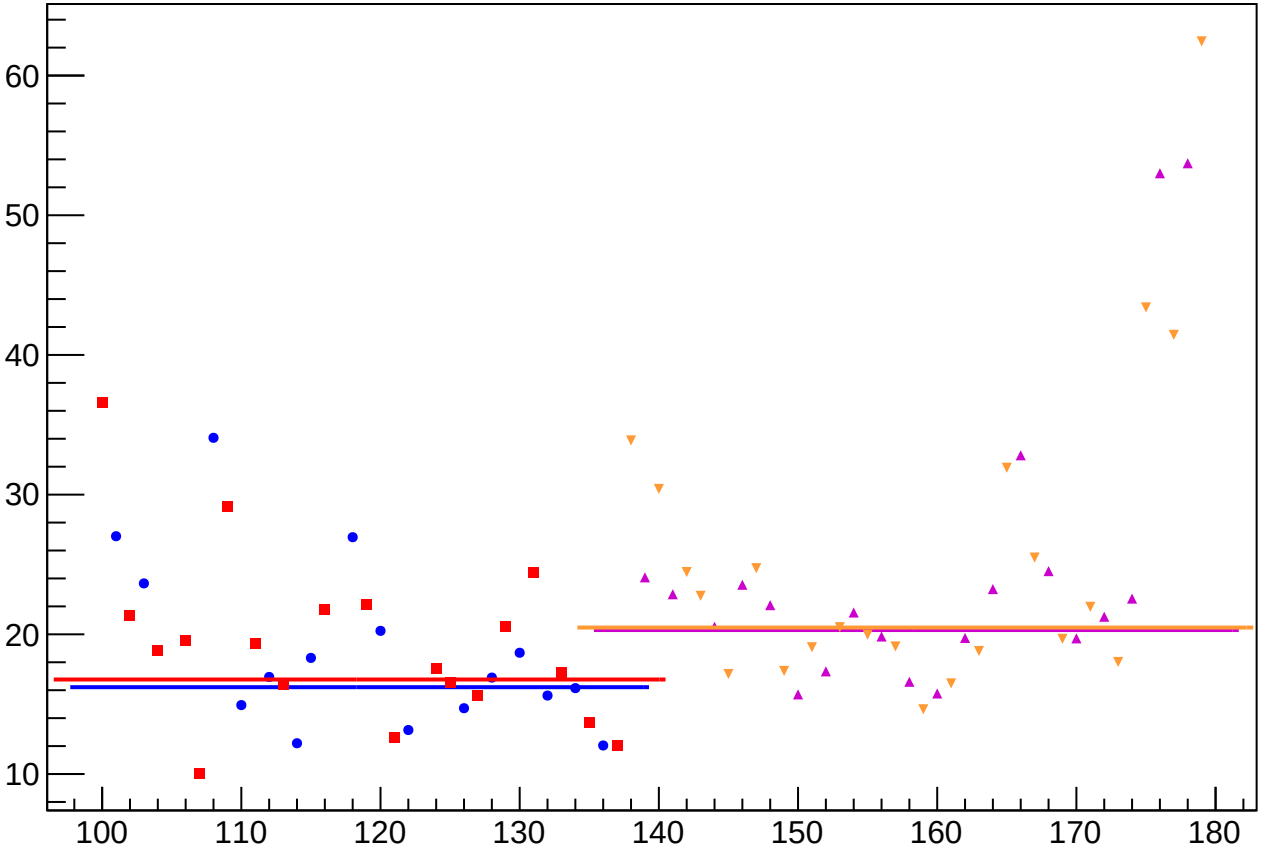
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.003+/-0.004 χ^2/NDF:33.5/40

All: 0.001+/-0.003 χ^2/NDF: 78.5/76

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.485+/-0.004 χ^2/NDF:2692113.2/21

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.307+/-0.004 χ^2/NDF:1783121.0/19

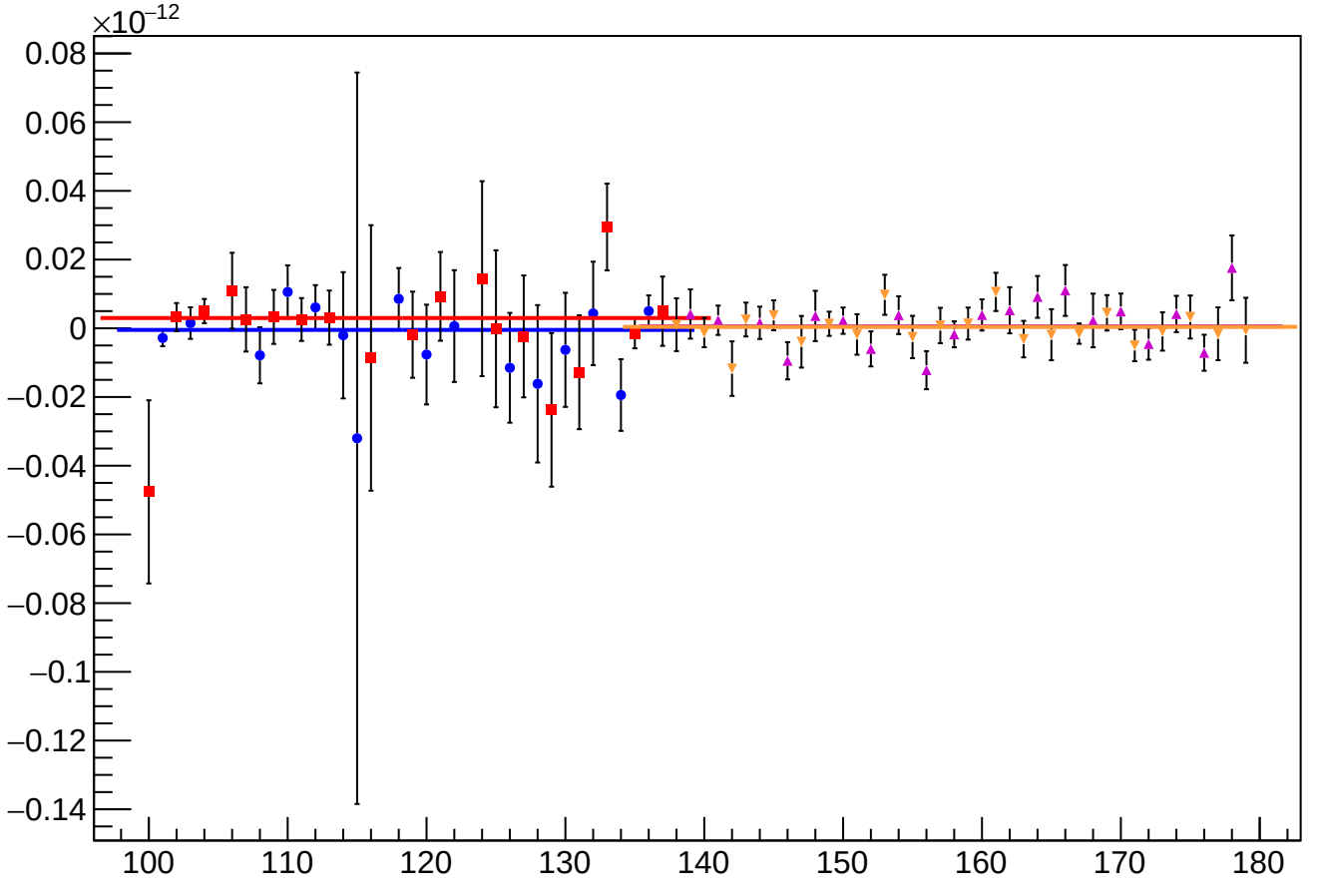
Left: 20.398+/-0.003 χ^2/NDF: 4476372.3/41

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.683+/-0.003 χ^2/NDF:3195097.2/35

Out: 19.057+/-0.003 χ^2/NDF:3946991.8/40

All: 18.871+/-0.002 χ^2/NDF: 7150358.6/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:24.8/19

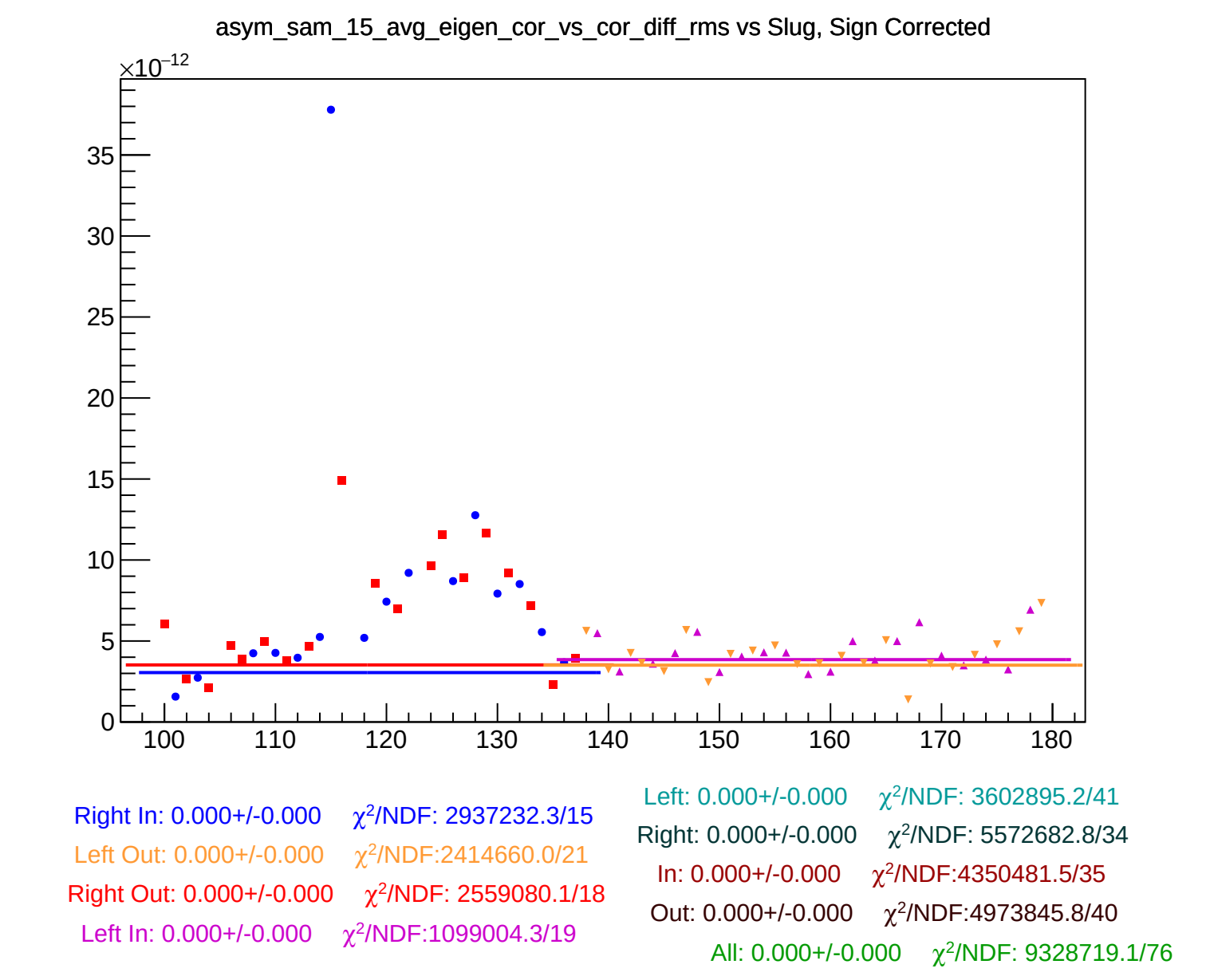
Left: 0.000+/-0.000 χ^2/NDF: 38.1/41

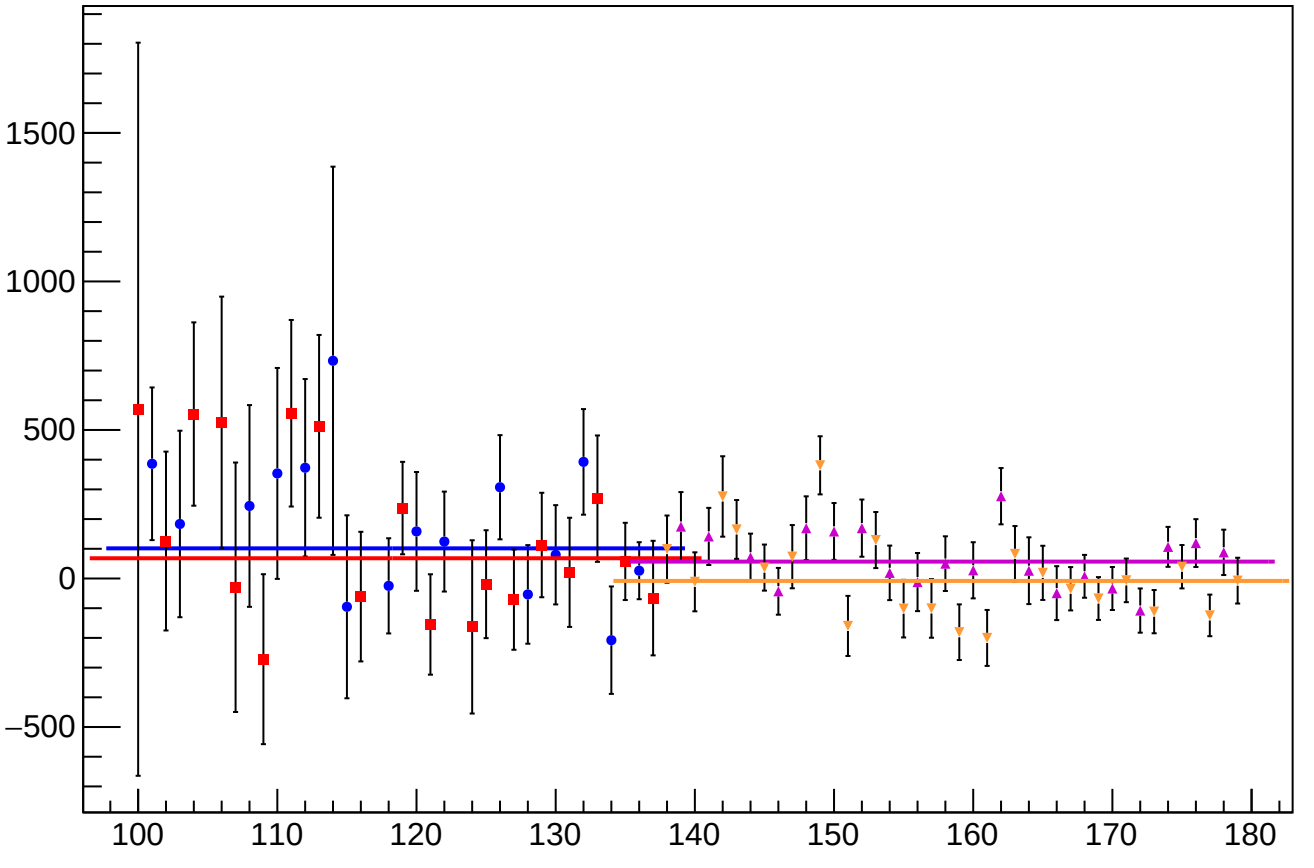
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:37.3/35

Out: 0.000+/-0.000 χ^2/NDF:27.9/40

All: 0.000+/-0.000 χ^2/NDF: 65.7/76


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2414660.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:1099004.3/19
Left: 0.000+/-0.000 χ²/NDF: 3602895.2/41
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:4350481.5/35
Out: 0.000+/-0.000 χ²/NDF:4973845.8/40
All: 0.000+/-0.000 χ²/NDF: 9328719.1/76



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 56.819+/-19.315 χ^2/NDF:22.9/19

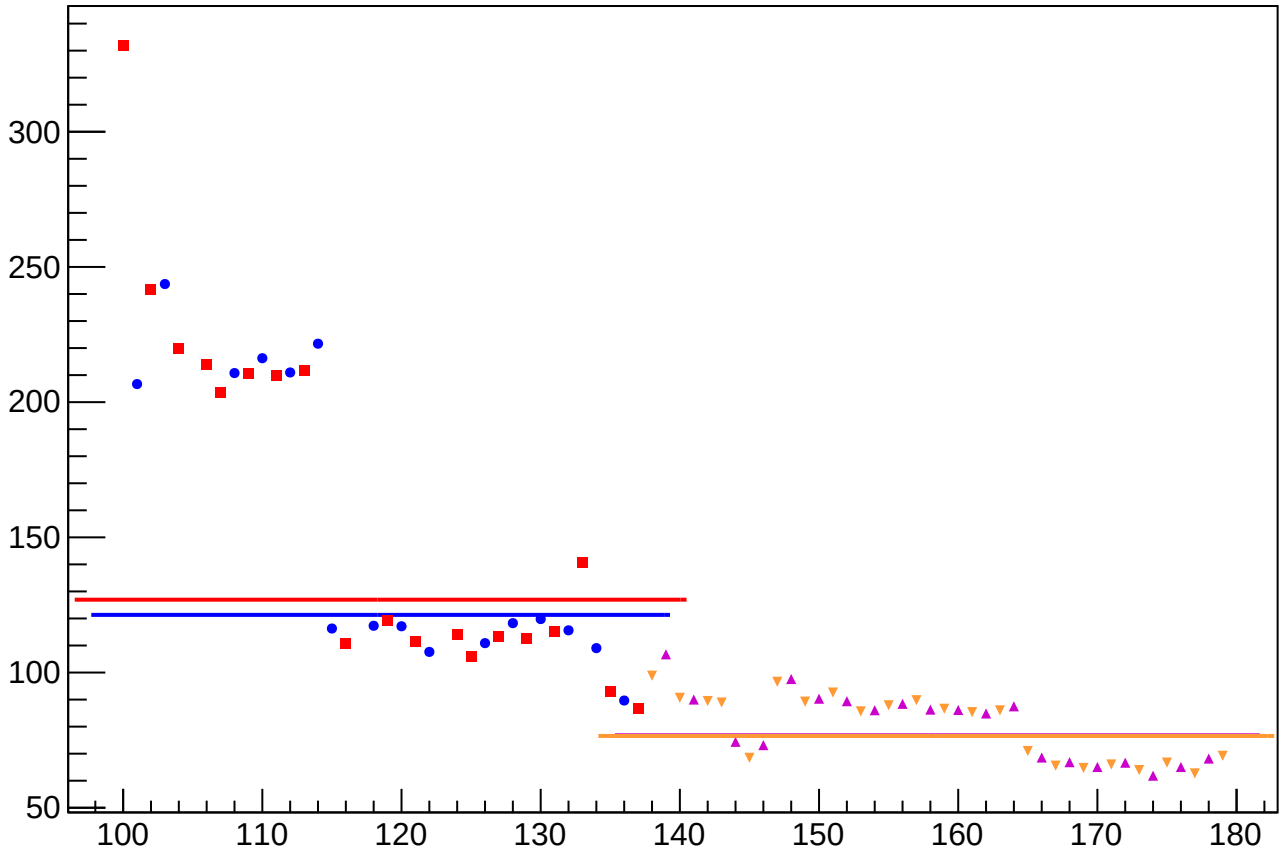
Left: 23.099+/-13.398 χ^2/NDF: 74.7/41

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 63.123+/-17.899 χ^2/NDF:37.0/35

Out: 1.322+/-17.405 χ^2/NDF:64.1/40

All: 31.357+/-12.478 χ^2/NDF: 107.3/76



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

Left: 76.670+/-0.009 χ^2/NDF: 1586994.2/41

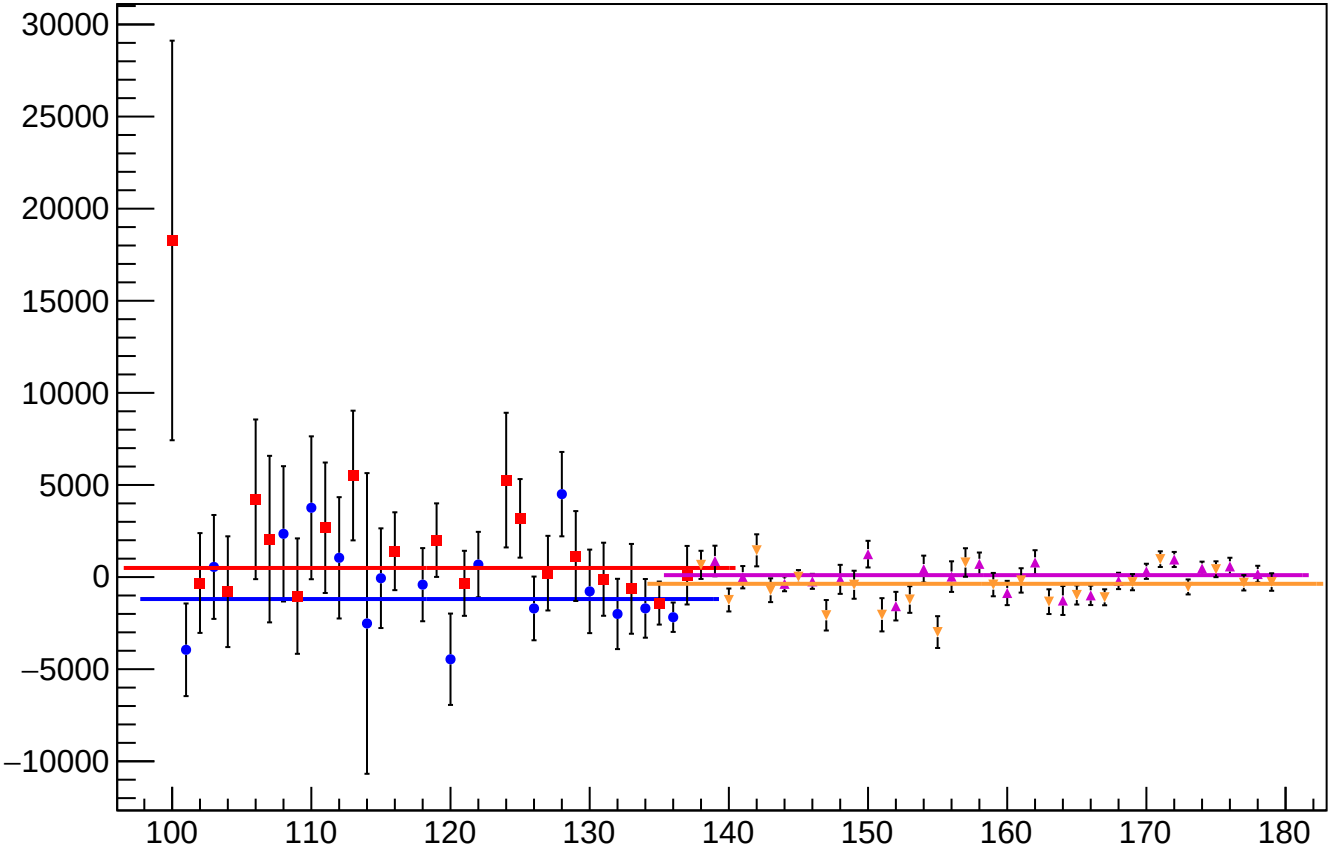
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 83.086+/-0.013 χ^2/NDF:3546793.7/35

Out: 82.824+/-0.012 χ^2/NDF:4126889.3/40

All: 82.952+/-0.009 χ^2/NDF: 7673903.7/76

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -365.643+/-116.852 χ^2/NDF:50.1/21

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 104.782+/-118.702 χ^2/NDF:29.1/19

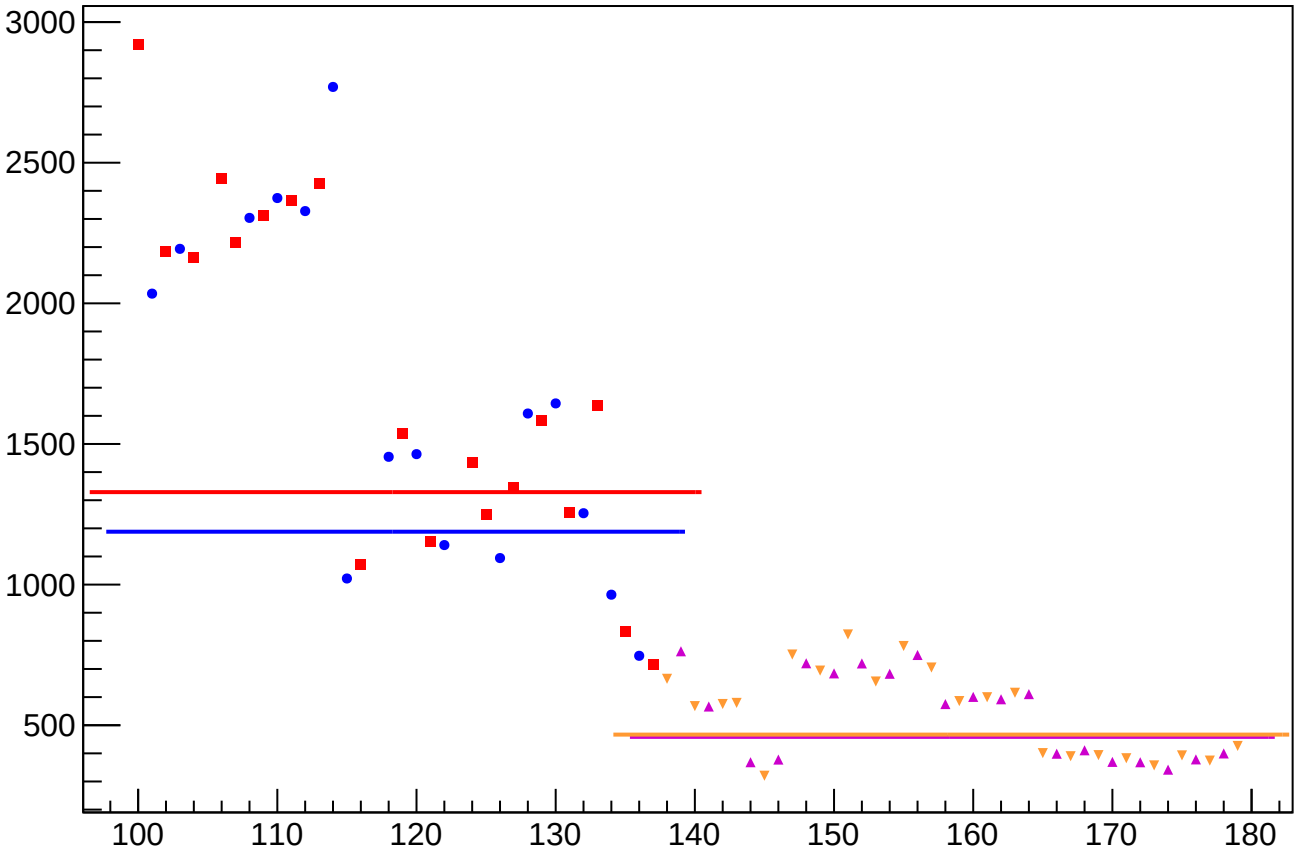
Left: -134.125+/-83.273 χ^2/NDF: 87.1/41

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: 29.716+/-115.216 χ^2/NDF:51.9/35

Out: -324.554+/-114.027 χ^2/NDF:66.5/40

All: -149.256+/-81.046 χ^2/NDF: 123.2/76



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 466.678+/-0.083 χ^2/NDF:2718774.9/21

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 458.621+/-0.084 χ^2/NDF:2435845.0/19

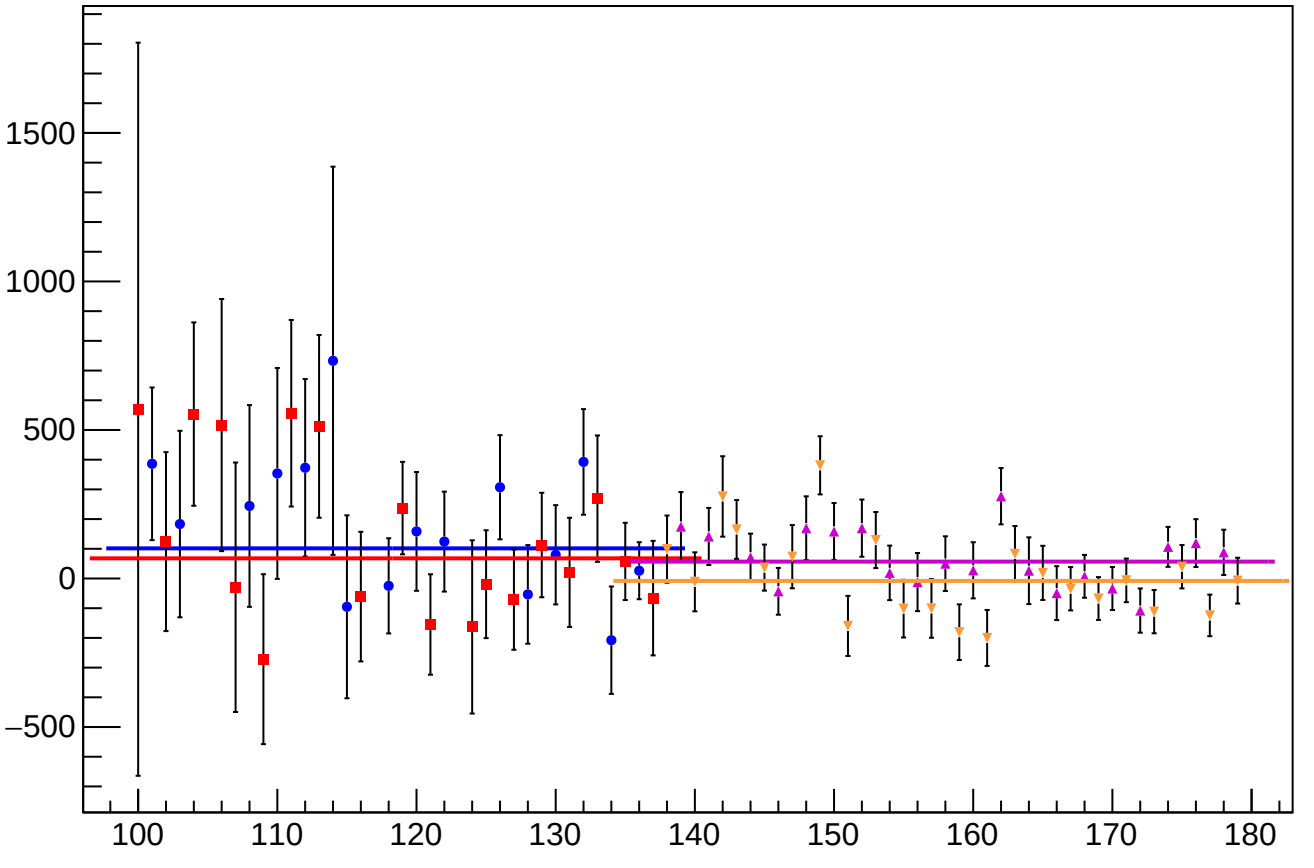
Left: 462.712+/-0.059 χ^2/NDF: 5159299.3/41

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 500.840+/-0.081 χ^2/NDF:8851899.3/35

Out: 507.855+/-0.081 χ^2/NDF:9876439.5/40

All: 504.384+/-0.057 χ^2/NDF: 18732084.3/76



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 56.817+/-19.315 χ^2/NDF:22.9/19

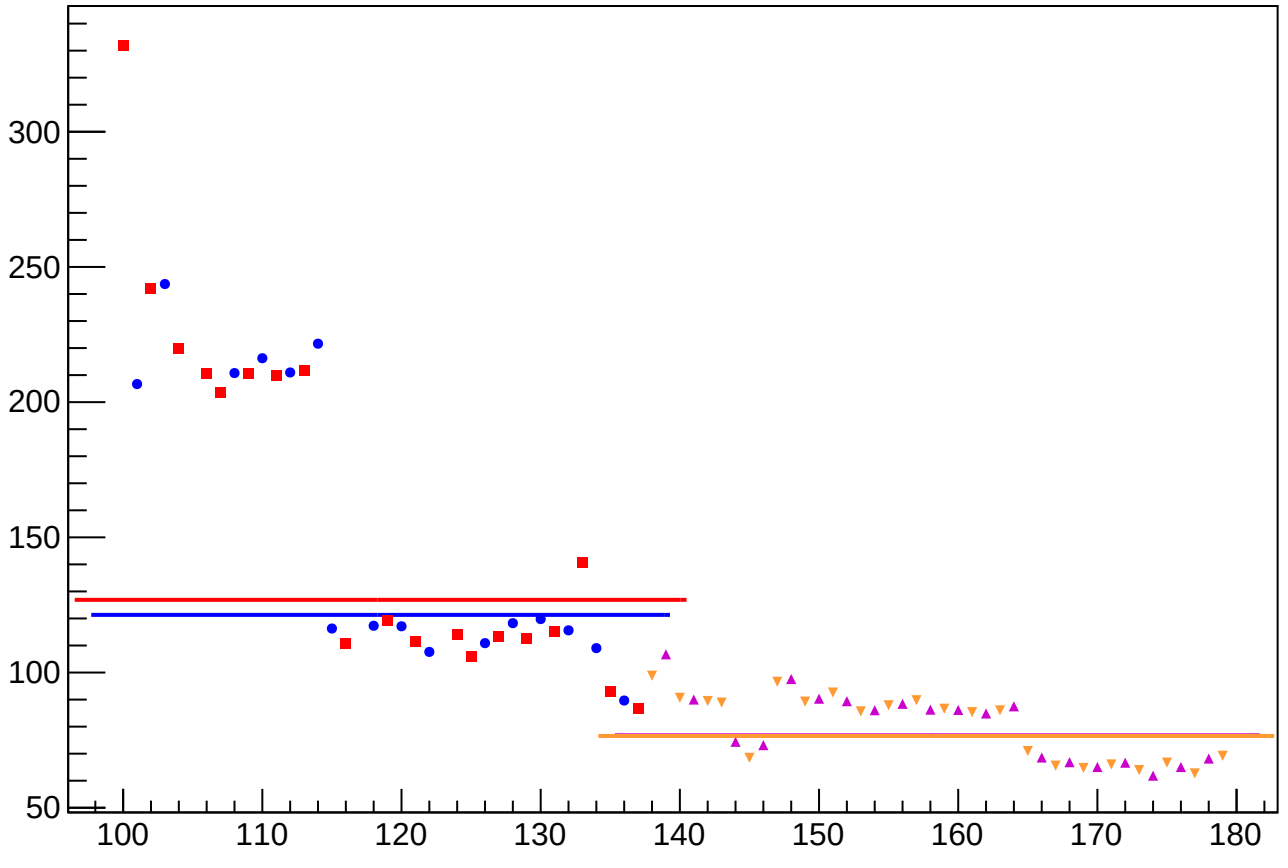
Left: 23.098+/-13.398 χ^2/NDF: 74.7/41

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 63.120+/-17.899 χ^2/NDF:37.0/35

Out: 1.292+/-17.405 χ^2/NDF:64.0/40

All: 31.341+/-12.478 χ^2/NDF: 107.2/76



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

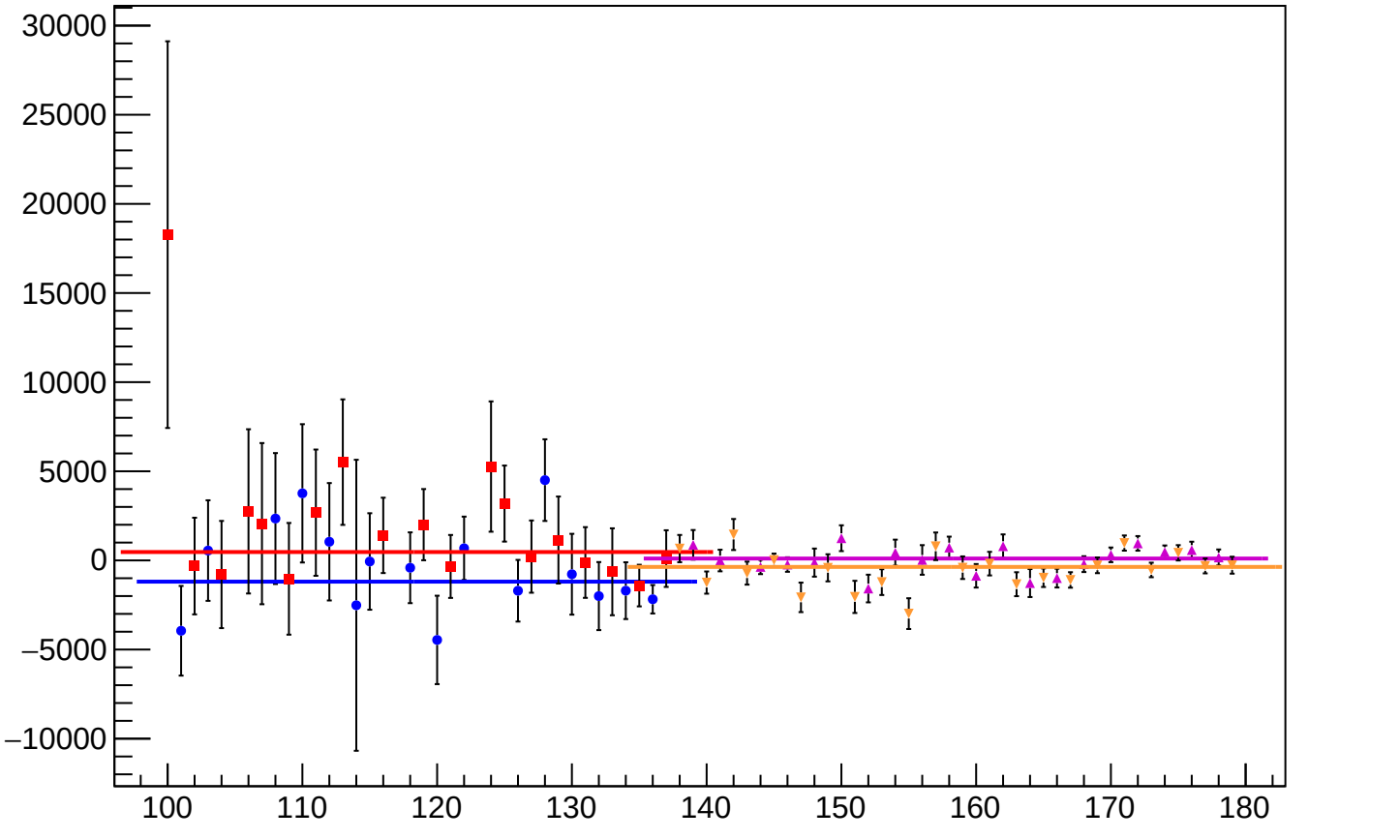
Left: 76.670+/-0.009 χ^2/NDF: 1586994.2/41

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.086+/-0.013 χ^2/NDF:3546795.8/35

Out: 82.817+/-0.012 χ^2/NDF:4116950.3/40

All: 82.948+/-0.009 χ^2/NDF: 7663978.6/76



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 104.782+/-118.702 χ^2/NDF:29.1/19

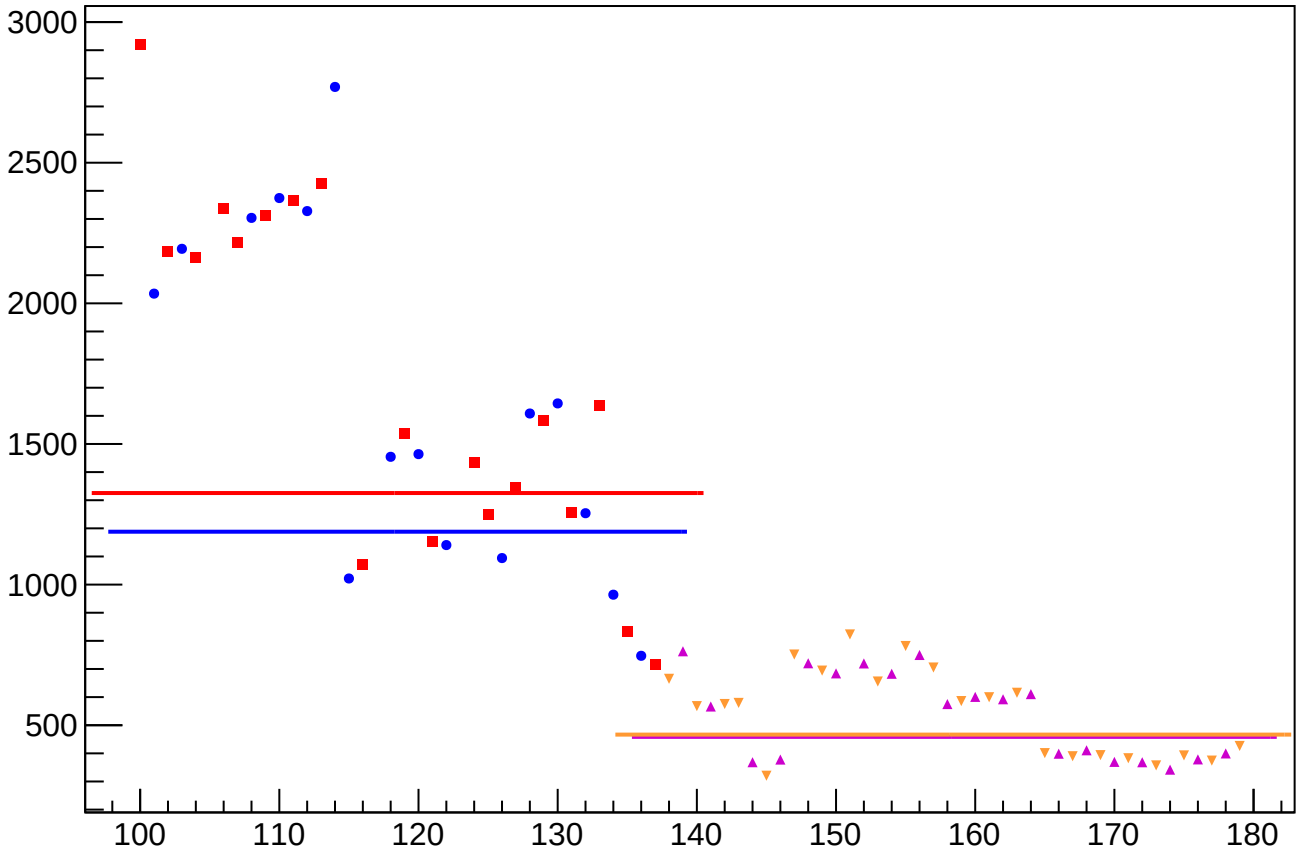
Left: -134.124+/-83.273 χ^2/NDF: 87.1/41

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 29.718+/-115.216 χ^2/NDF:51.9/35

Out: -325.807+/-114.032 χ^2/NDF:65.9/40

All: -149.880+/-81.048 χ^2/NDF: 122.6/76



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 458.620+/-0.084 χ^2/NDF:2435849.9/19

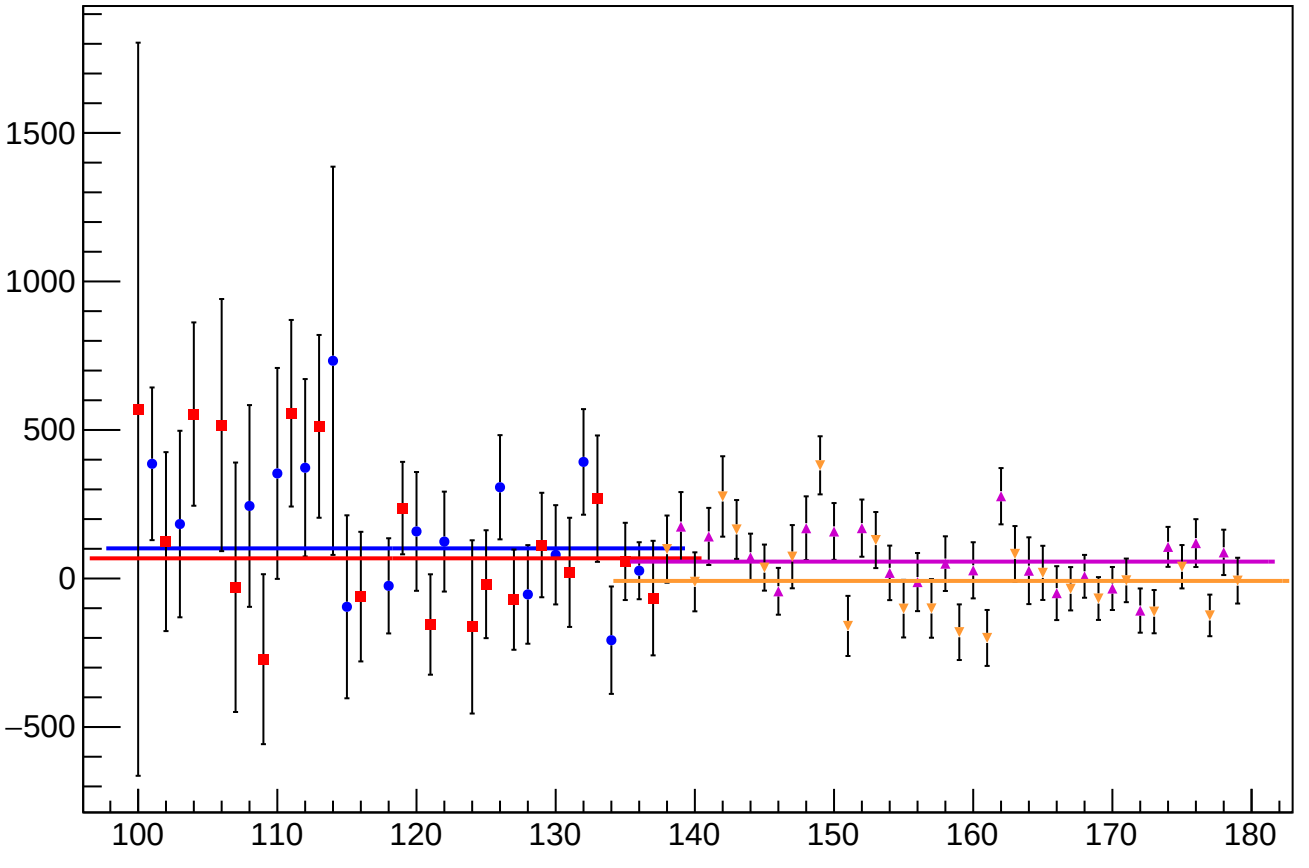
Left: 462.712+/-0.059 χ^2/NDF: 5159313.1/41

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 500.840+/-0.081 χ^2/NDF:8851921.2/35

Out: 507.632+/-0.081 χ^2/NDF:9792104.3/40

All: 504.271+/-0.057 χ^2/NDF: 18647537.0/76



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.175+/-18.601 χ^2/NDF:45.9/21

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 56.817+/-19.315 χ^2/NDF:22.9/19

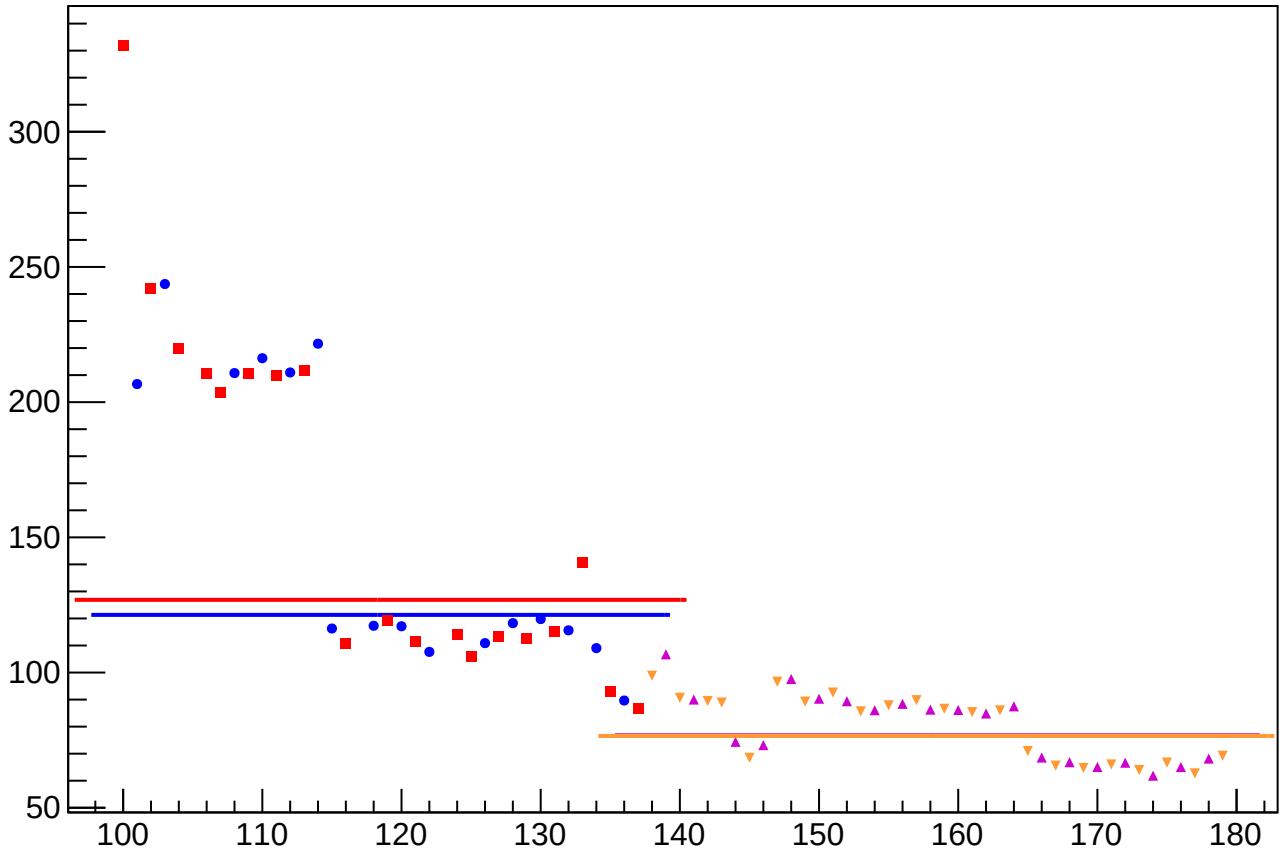
Left: 23.098+/-13.398 χ^2/NDF: 74.7/41

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 63.120+/-17.899 χ^2/NDF:37.0/35

Out: 1.292+/-17.405 χ^2/NDF:64.0/40

All: 31.341+/-12.478 χ^2/NDF: 107.2/76



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 76.550+/-0.013 χ^2/NDF:827705.5/21

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 76.798+/-0.014 χ^2/NDF:759117.3/19

Left: 76.670+/-0.009 χ^2/NDF: 1586994.2/41

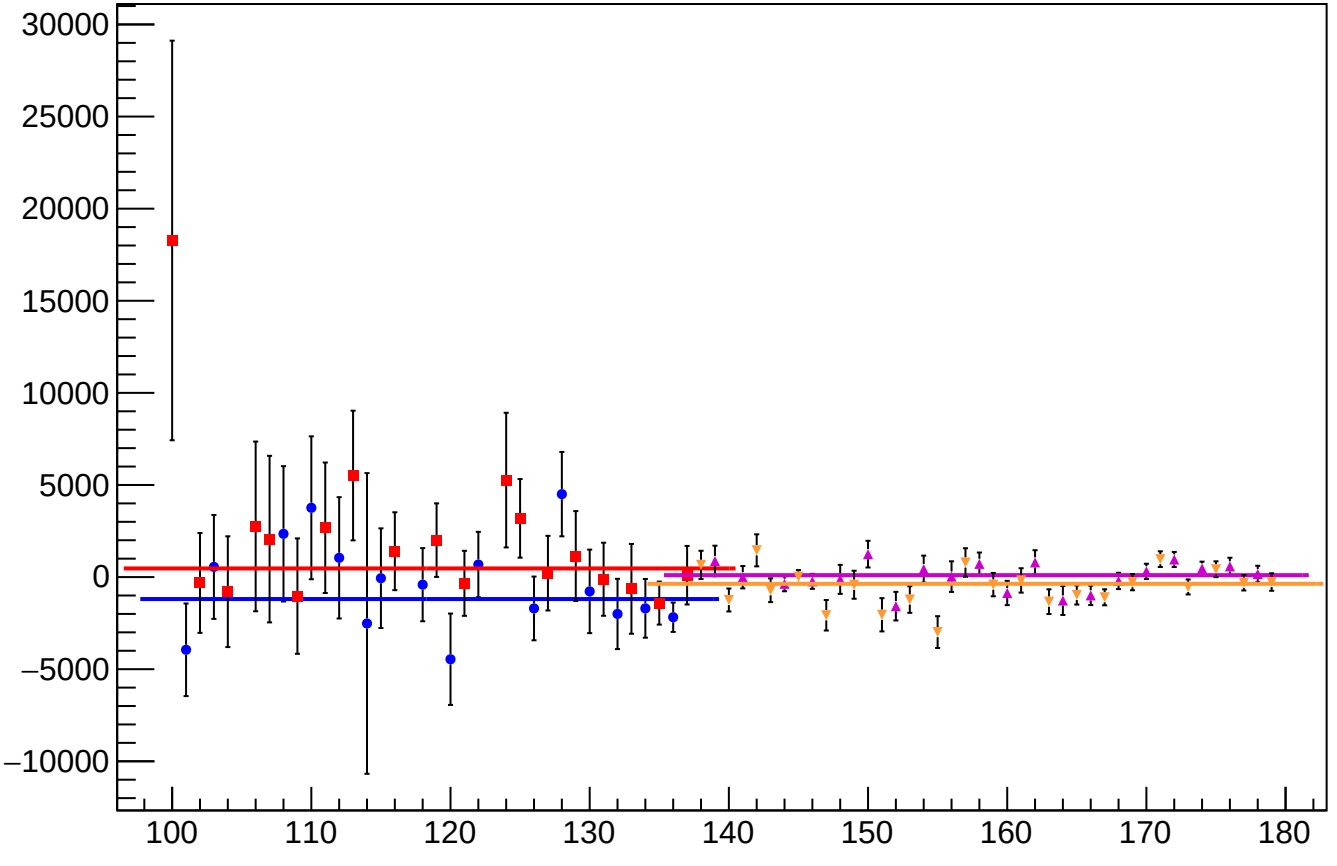
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.086+/-0.013 χ^2/NDF:3546795.8/35

Out: 82.817+/-0.012 χ^2/NDF:4116950.3/40

All: 82.948+/-0.009 χ^2/NDF: 7663978.6/76

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -365.641+/-116.852 χ^2/NDF:50.1/21

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 104.782+/-118.702 χ^2/NDF:29.1/19

Left: -134.124+/-83.273 χ^2/NDF: 87.1/41

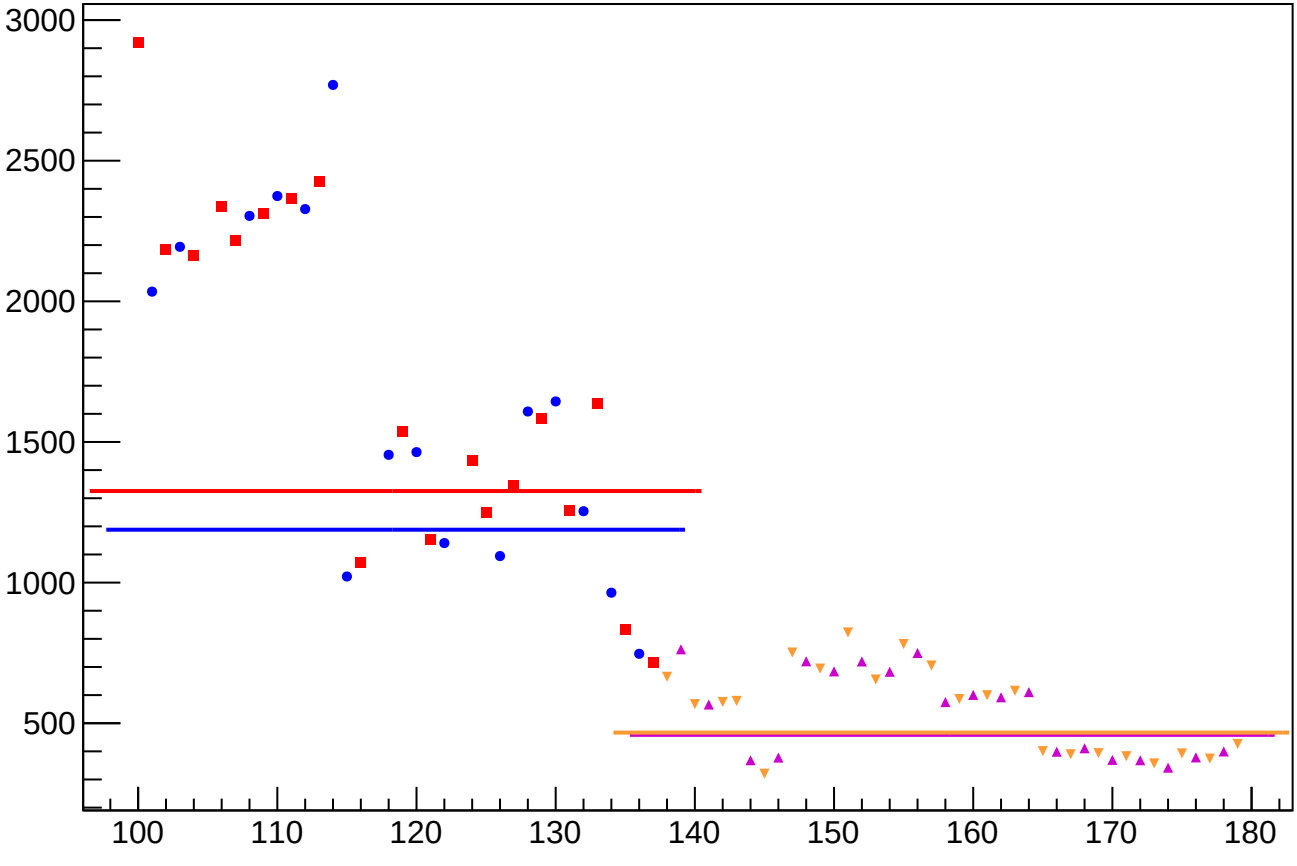
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 29.718+/-115.216 χ^2/NDF:51.9/35

Out: -325.807+/-114.032 χ^2/NDF:65.9/40

All: -149.880+/-81.048 χ^2/NDF: 122.6/76

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 466.677+/-0.083 χ^2/NDF:2718784.1/21

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 458.620+/-0.084 χ^2/NDF:2435849.9/19

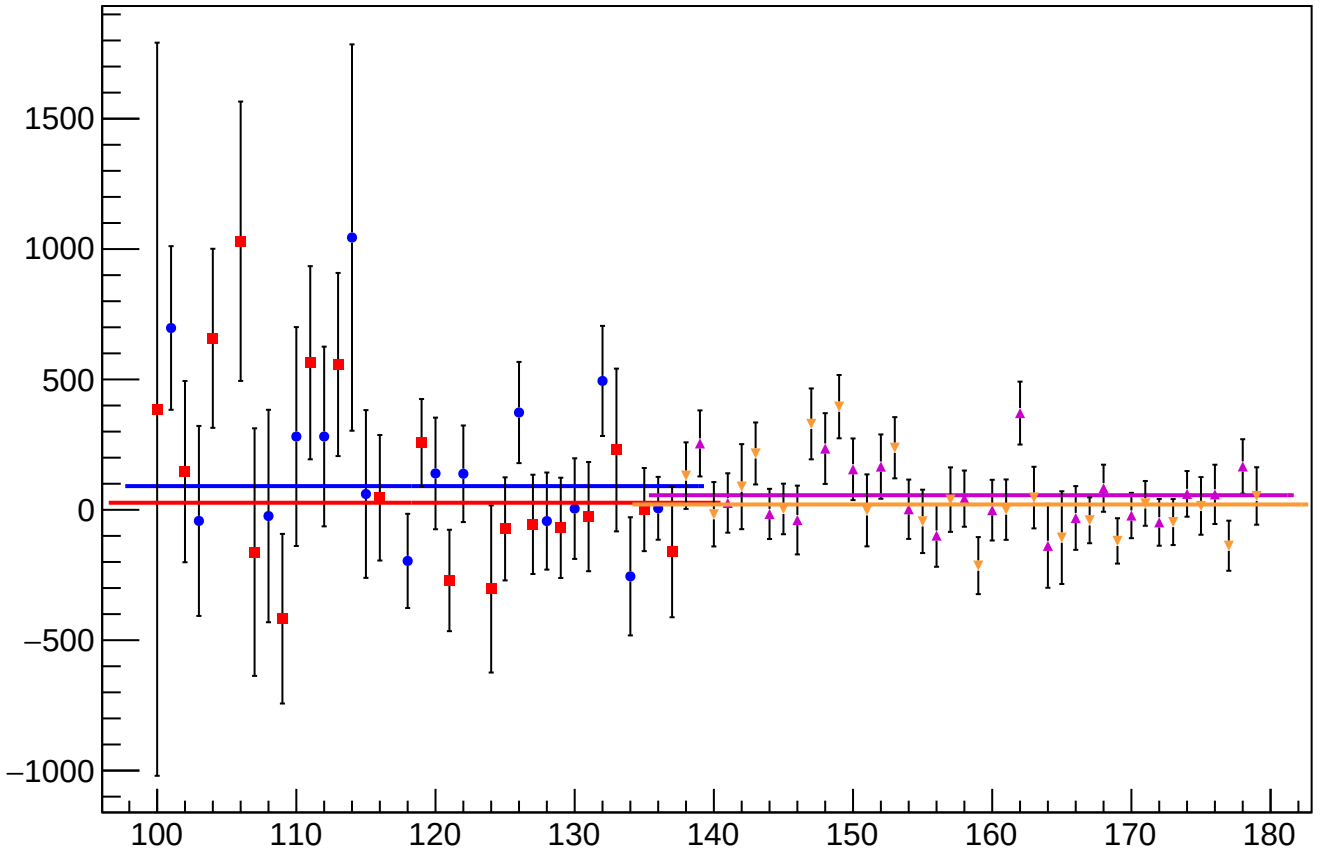
Left: 462.712+/-0.059 χ^2/NDF: 5159313.1/41

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 500.840+/-0.081 χ^2/NDF:8851921.2/35

Out: 507.632+/-0.081 χ^2/NDF:9792104.3/40

All: 504.271+/-0.057 χ^2/NDF: 18647537.0/76



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 20.507+/-23.689 χ^2/NDF:33.9/21

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 56.002+/-24.571 χ^2/NDF:21.1/19

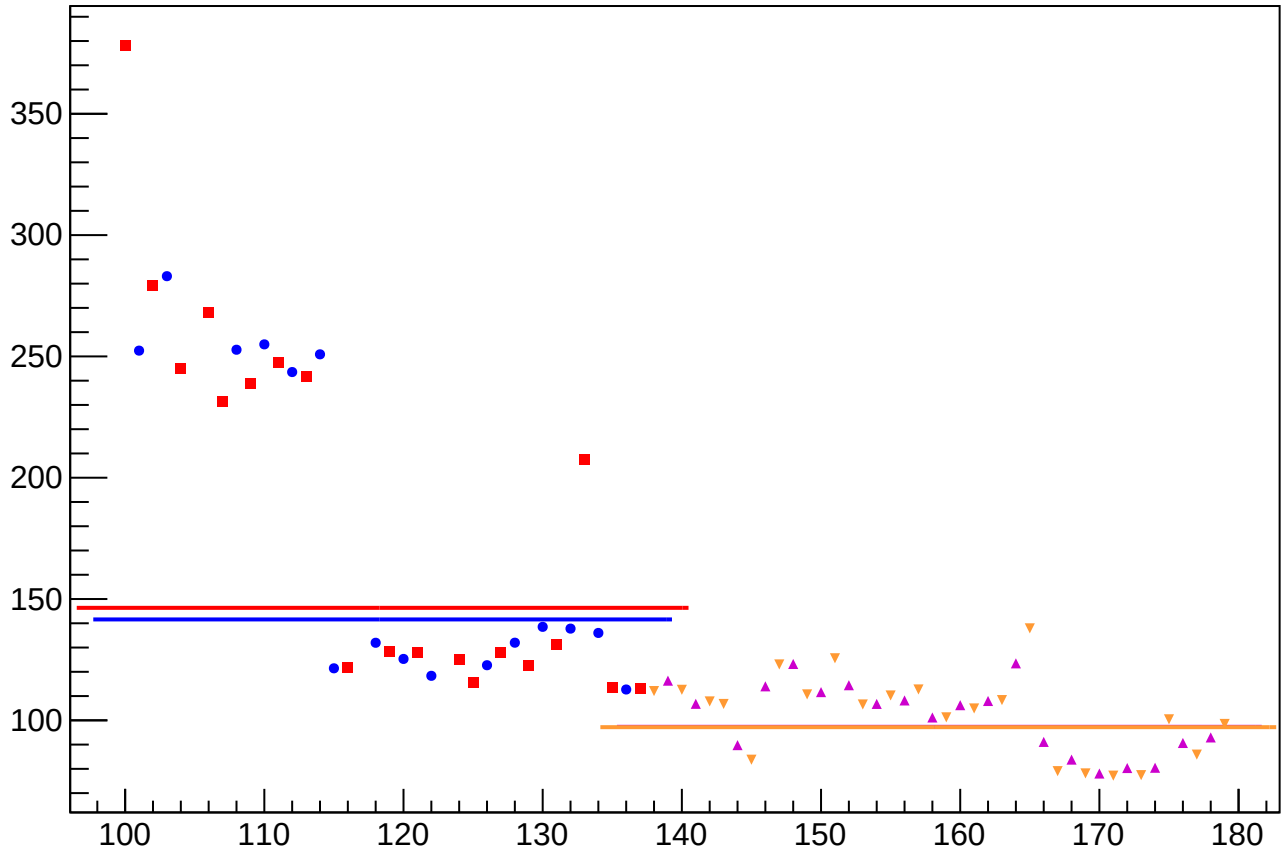
Left: 37.606+/-17.054 χ^2/NDF: 56.1/41

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 61.711+/-22.472 χ^2/NDF:39.5/35

Out: 21.488+/-21.876 χ^2/NDF:54.4/40

All: 41.059+/-15.675 χ^2/NDF: 95.6/76



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.178+/-0.017 χ^2/NDF:921422.8/21

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.325+/-0.017 χ^2/NDF:661589.3/19

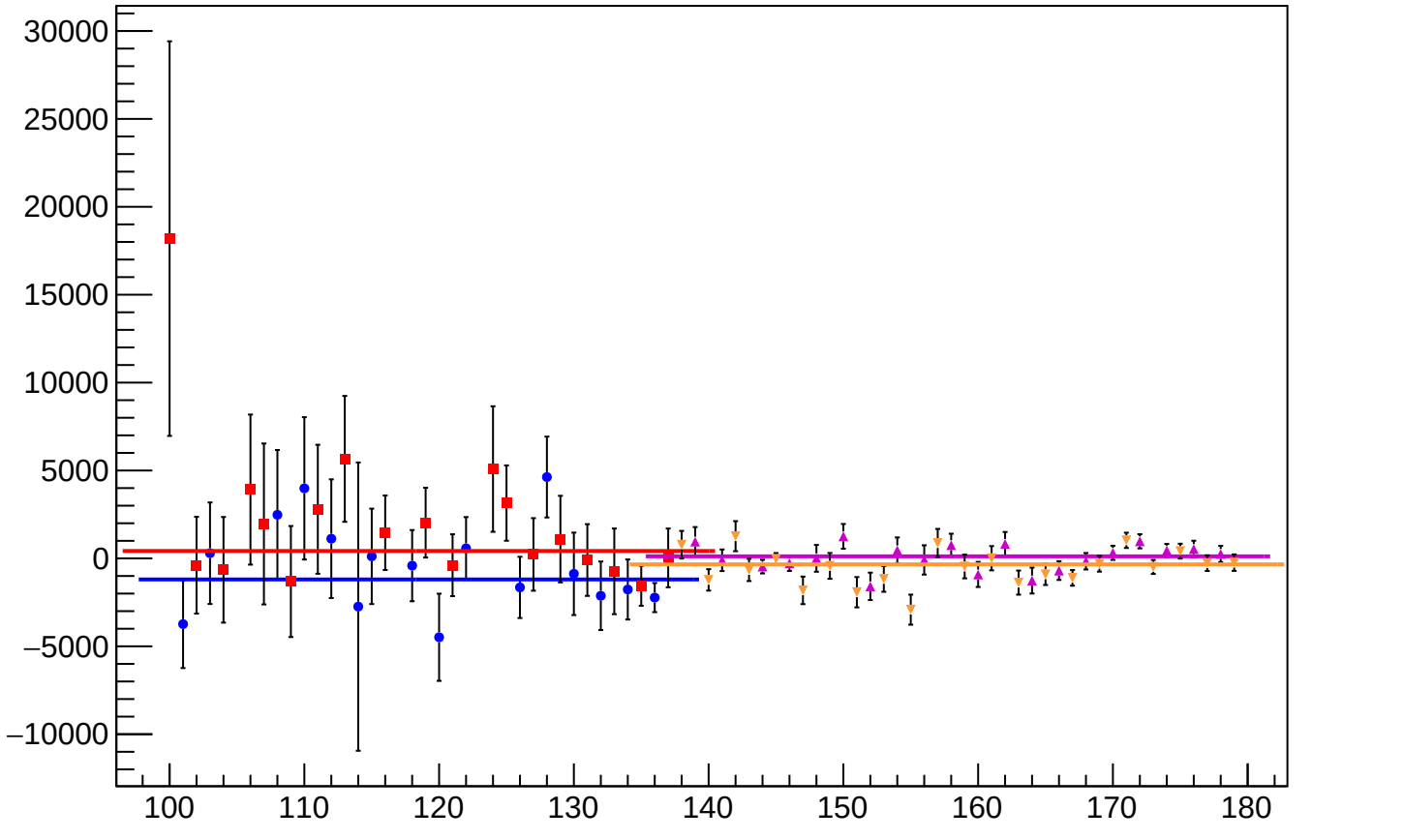
Left: 97.249+/-0.012 χ^2/NDF: 1583048.9/41

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 104.564+/-0.016 χ^2/NDF:2985452.3/35

Out: 104.420+/-0.015 χ^2/NDF:3704606.1/40

All: 104.490+/-0.011 χ^2/NDF: 6690100.7/76



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -338.429+/-117.246 χ^2/NDF:48.1/21

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 118.558+/-119.768 χ^2/NDF:28.6/19

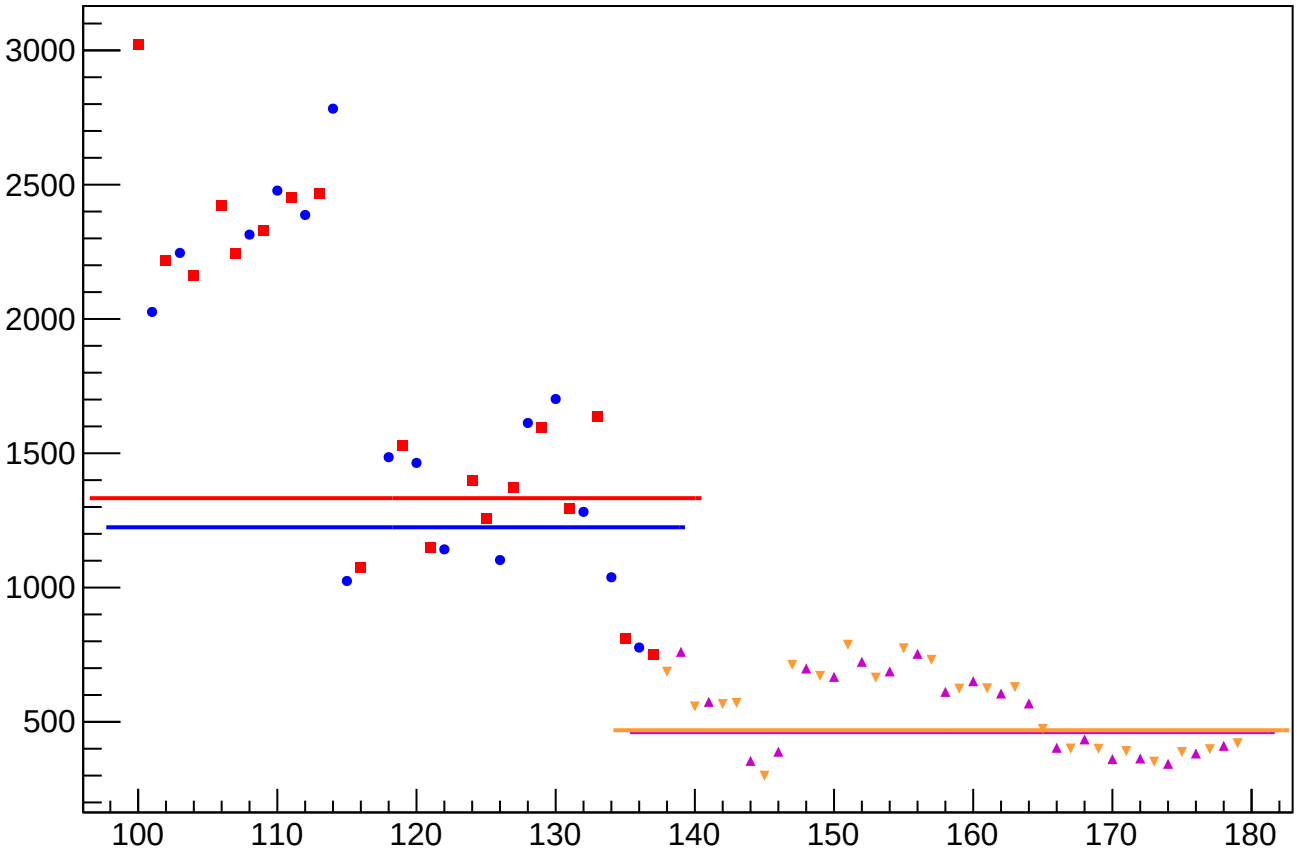
Left: -114.797+/-83.783 χ^2/NDF: 84.1/41

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: 44.806+/-116.361 χ^2/NDF:51.3/35

Out: -302.144+/-114.415 χ^2/NDF:64.3/40

All: -131.594+/-81.583 χ^2/NDF: 120.2/76



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 468.821+/-0.083 χ^2/NDF:2809633.2/21

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 461.698+/-0.085 χ^2/NDF:2489045.5/19

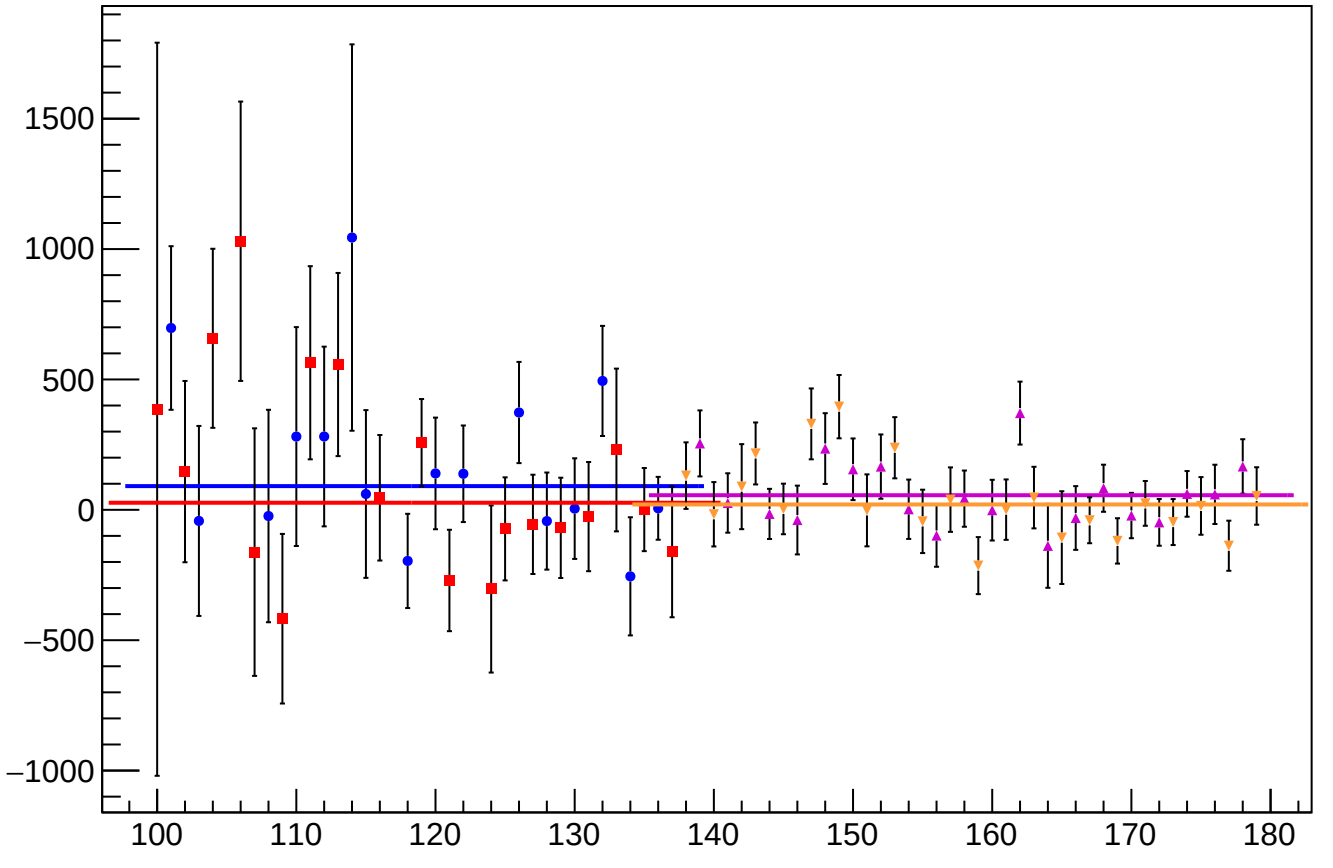
Left: 465.335+/-0.059 χ^2/NDF: 5302291.4/41

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 504.471+/-0.082 χ^2/NDF:8997400.0/35

Out: 510.038+/-0.081 χ^2/NDF:9985334.1/40

All: 507.301+/-0.058 χ^2/NDF: 18985061.9/76



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 20.505+/-23.689 χ^2/NDF:33.9/21

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 56.000+/-24.571 χ^2/NDF:21.1/19

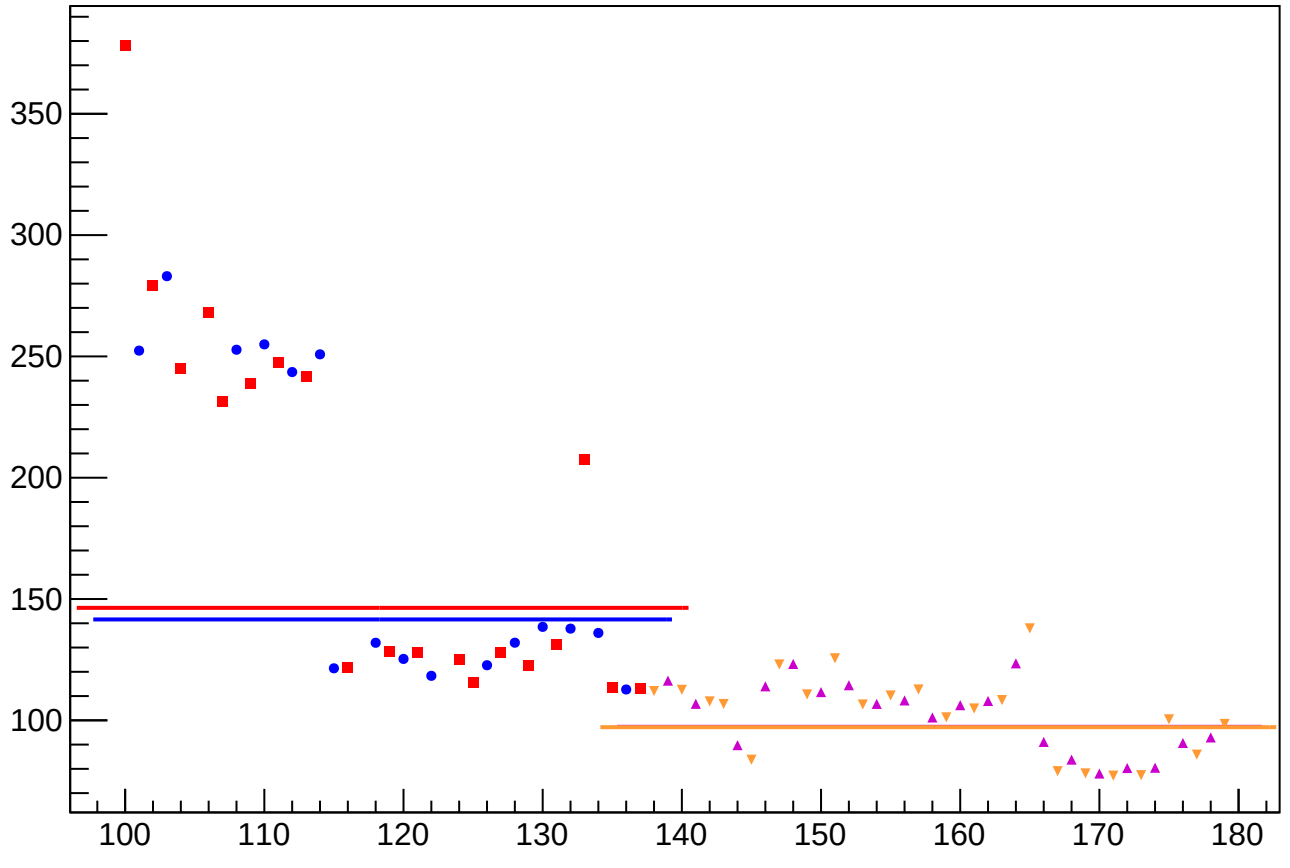
Left: 37.604+/-17.054 χ^2/NDF: 56.1/41

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 61.710+/-22.472 χ^2/NDF:39.5/35

Out: 21.486+/-21.876 χ^2/NDF:54.4/40

All: 41.058+/-15.675 χ^2/NDF: 95.6/76



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.179+/-0.017 χ^2/NDF:921423.0/21

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.325+/-0.017 χ^2/NDF:661578.7/19

Left: 97.249+/-0.012 χ^2/NDF: 1583038.6/41

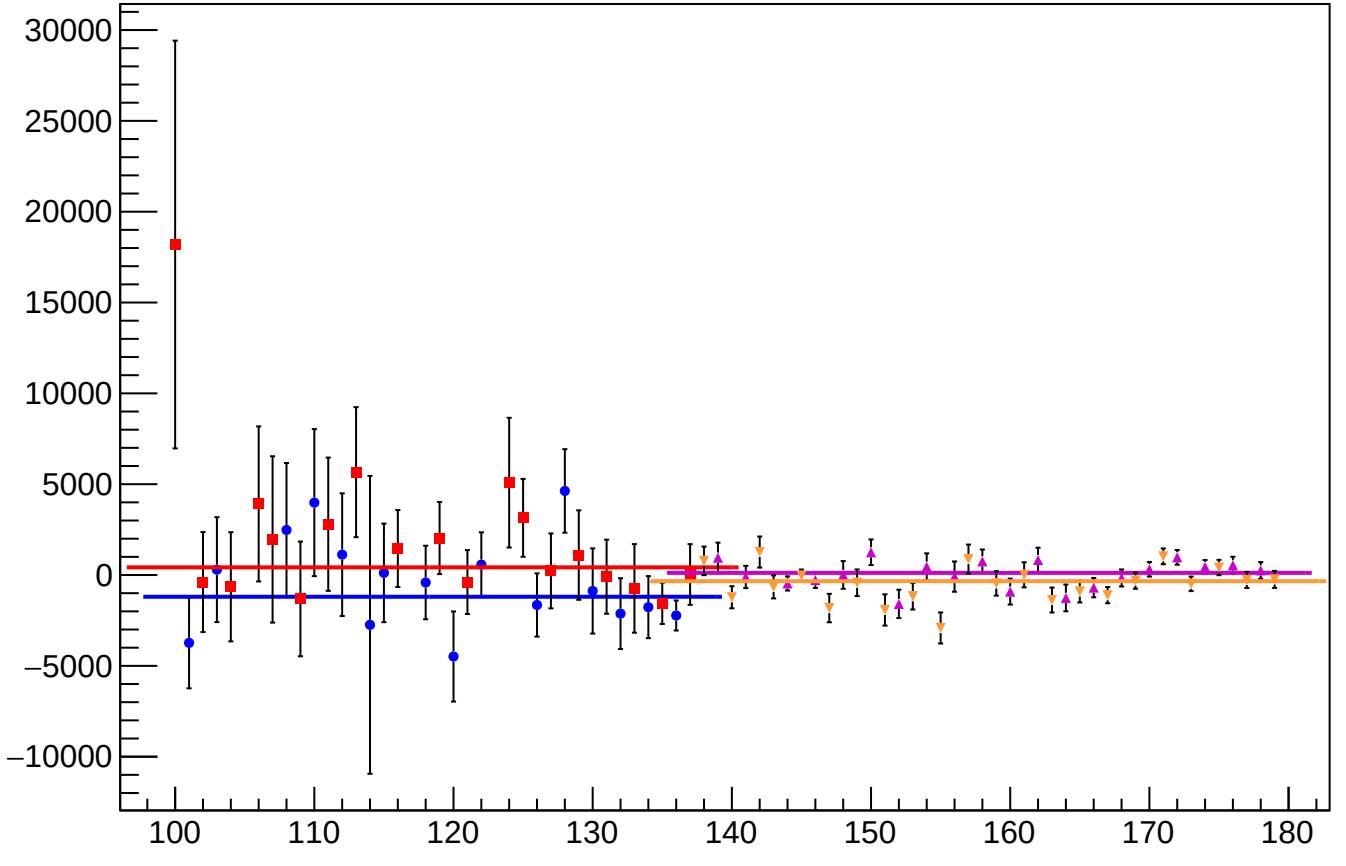
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 104.565+/-0.016 χ^2/NDF:2985381.7/35

Out: 104.420+/-0.015 χ^2/NDF:3704563.2/40

All: 104.490+/-0.011 χ^2/NDF: 6689987.4/76

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -338.429+/-117.246 χ^2/NDF:48.1/21

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 118.557+/-119.768 χ^2/NDF:28.6/19

Left: -114.797+/-83.783 χ^2/NDF: 84.1/41

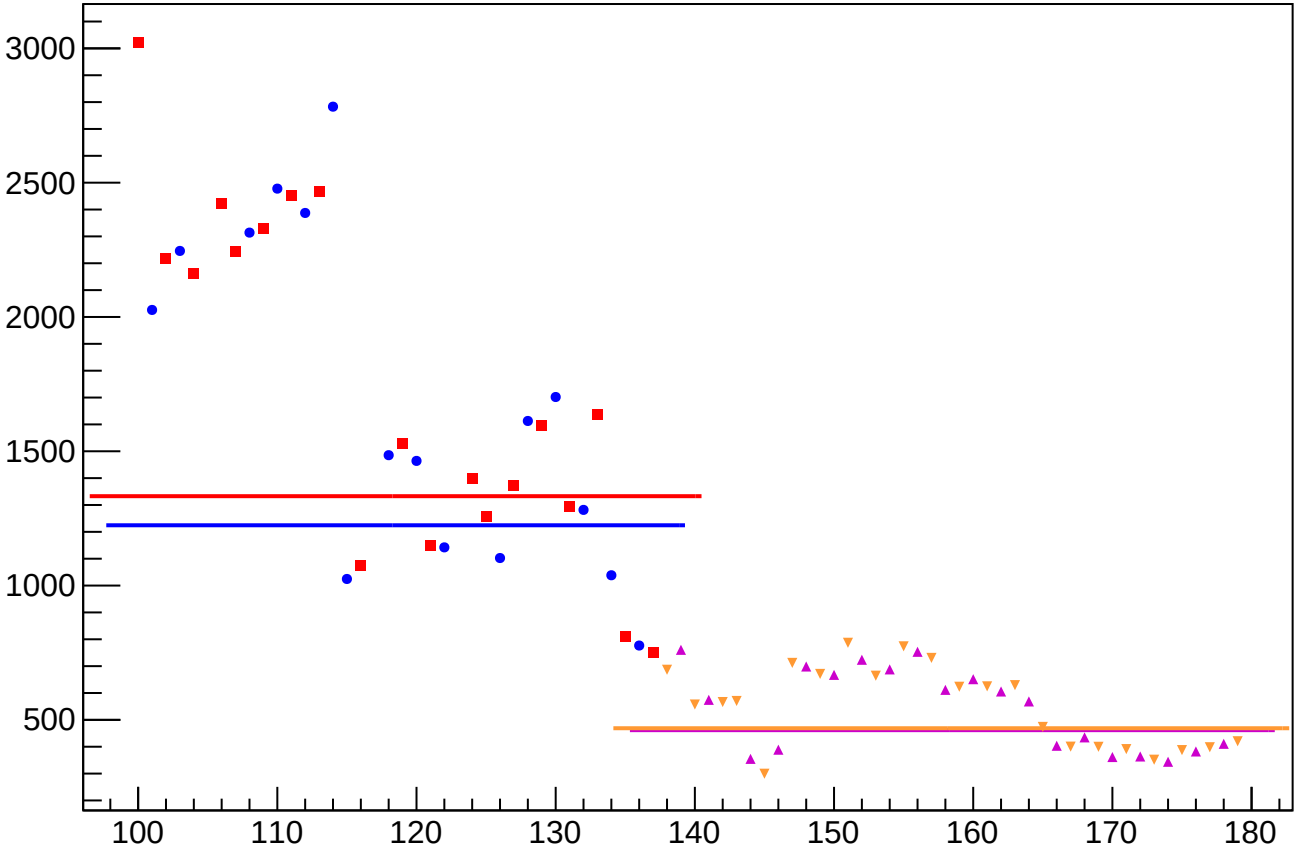
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: 44.805+/-116.361 χ^2/NDF:51.3/35

Out: -302.143+/-114.415 χ^2/NDF:64.3/40

All: -131.594+/-81.583 χ^2/NDF: 120.2/76

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 468.821+/-0.083 χ^2/NDF:2809655.1/21

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 461.698+/-0.085 χ^2/NDF:2489044.7/19

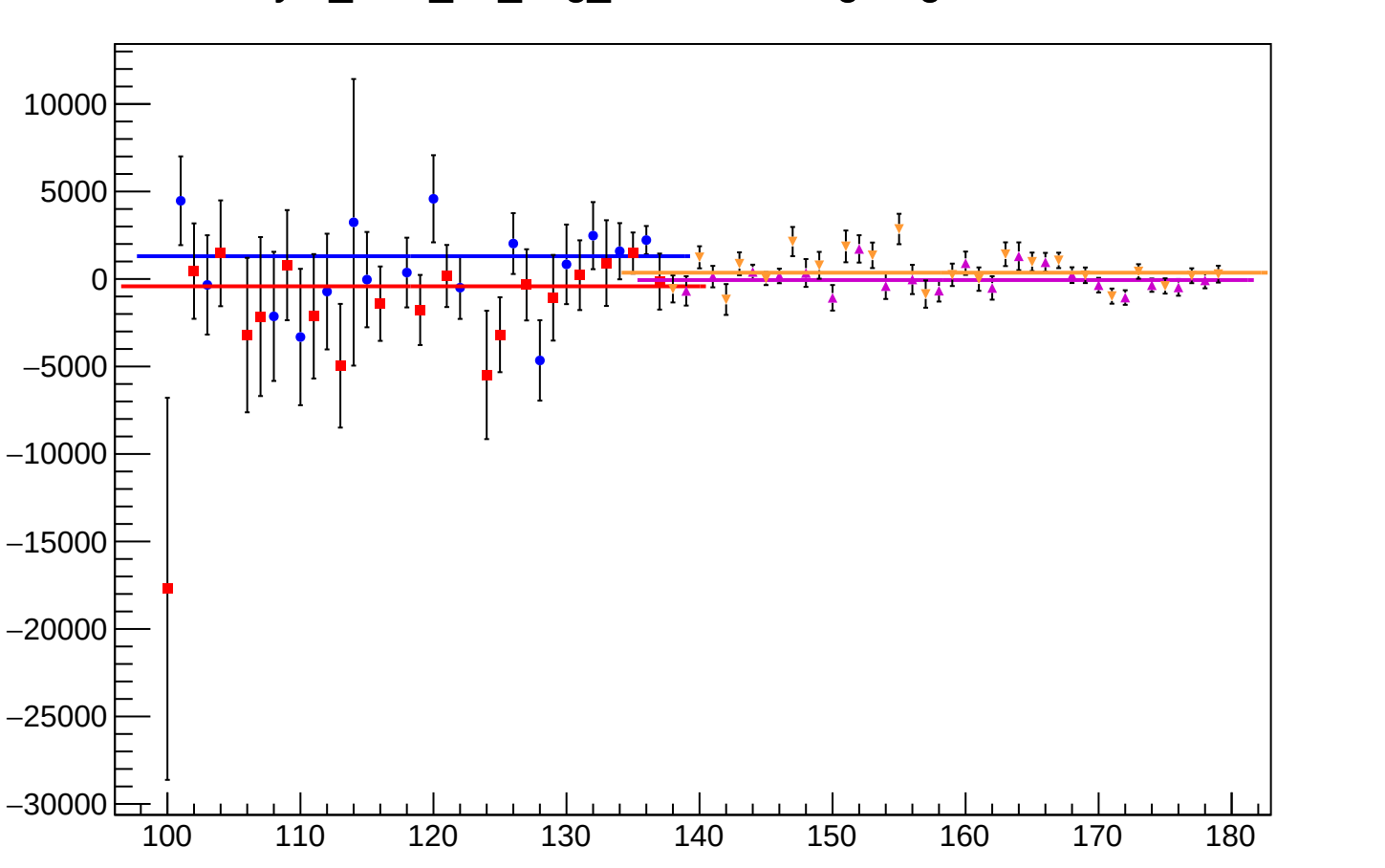
Left: 465.335+/-0.059 χ^2/NDF: 5302312.0/41

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 504.471+/-0.082 χ^2/NDF:8997381.9/35

Out: 510.038+/-0.081 χ^2/NDF:9985348.1/40

All: 507.301+/-0.058 χ^2/NDF: 18985057.4/76



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 359.236+/-118.489 χ^2/NDF:47.6/21

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -60.014+/-120.466 χ^2/NDF:27.9/19

Left: 153.080+/-84.475 χ^2/NDF: 81.7/41

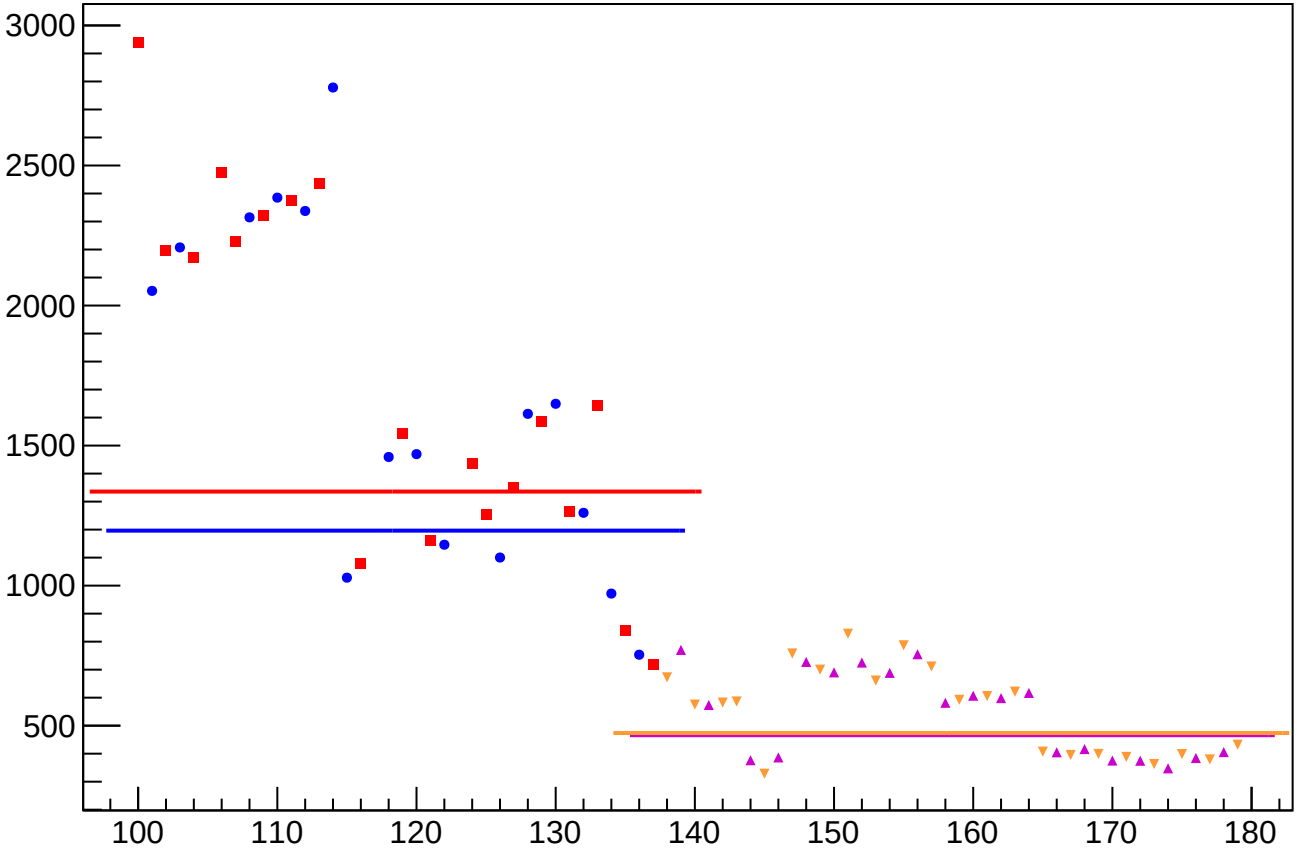
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 20.053+/-116.871 χ^2/NDF:51.9/35

Out: 321.485+/-115.576 χ^2/NDF:62.8/40

All: 172.447+/-82.179 χ^2/NDF: 118.0/76

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 473.722+/-0.084 χ^2/NDF:2655287.8/21

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 465.940+/-0.085 χ^2/NDF:2377603.2/19

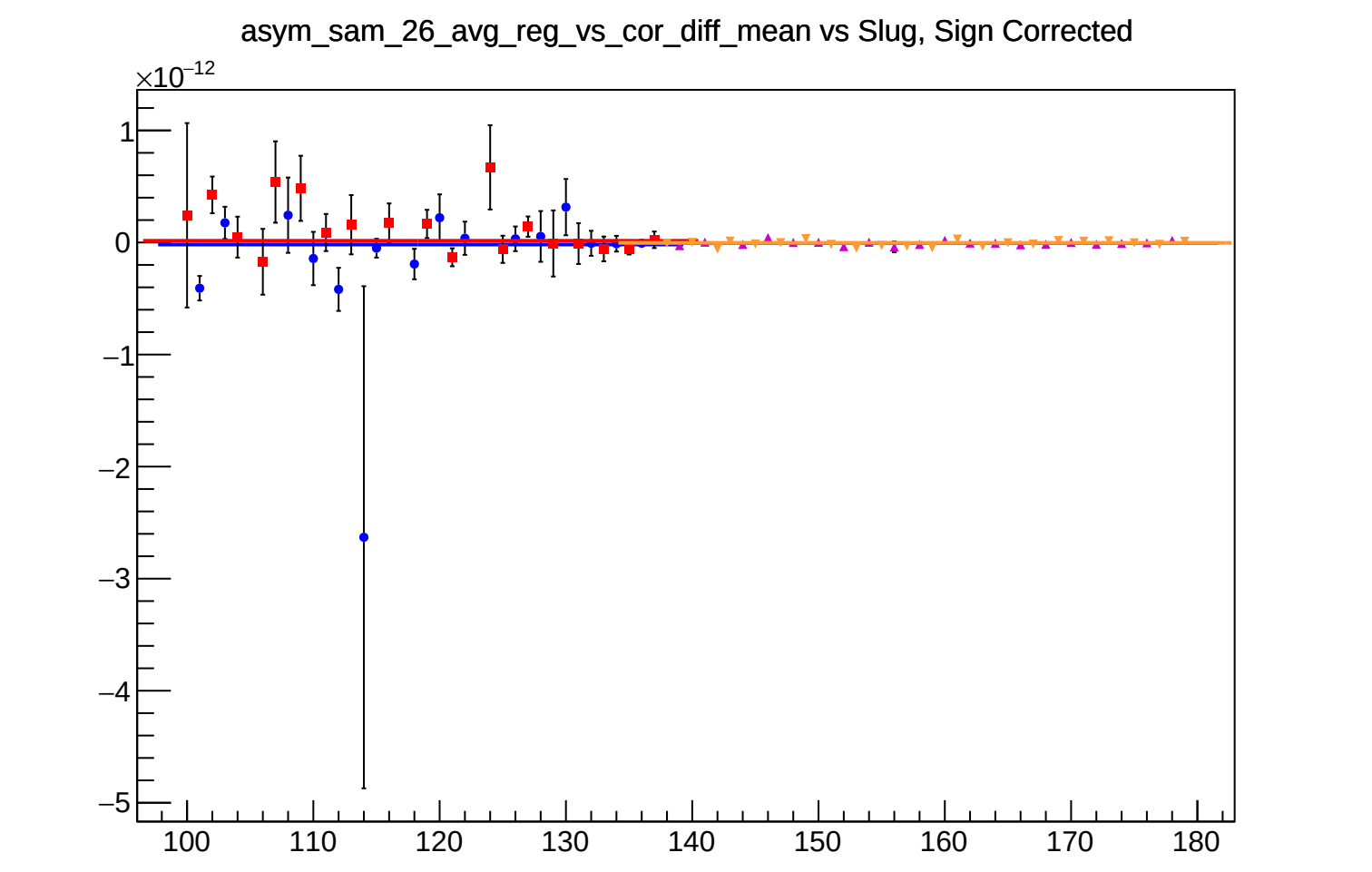
Left: 469.895+/-0.060 χ^2/NDF: 5037133.9/41

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 508.890+/-0.083 χ^2/NDF:8732745.1/35

Out: 515.580+/-0.082 χ^2/NDF:9747195.3/40

All: 512.272+/-0.058 χ^2/NDF: 18483254.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/19

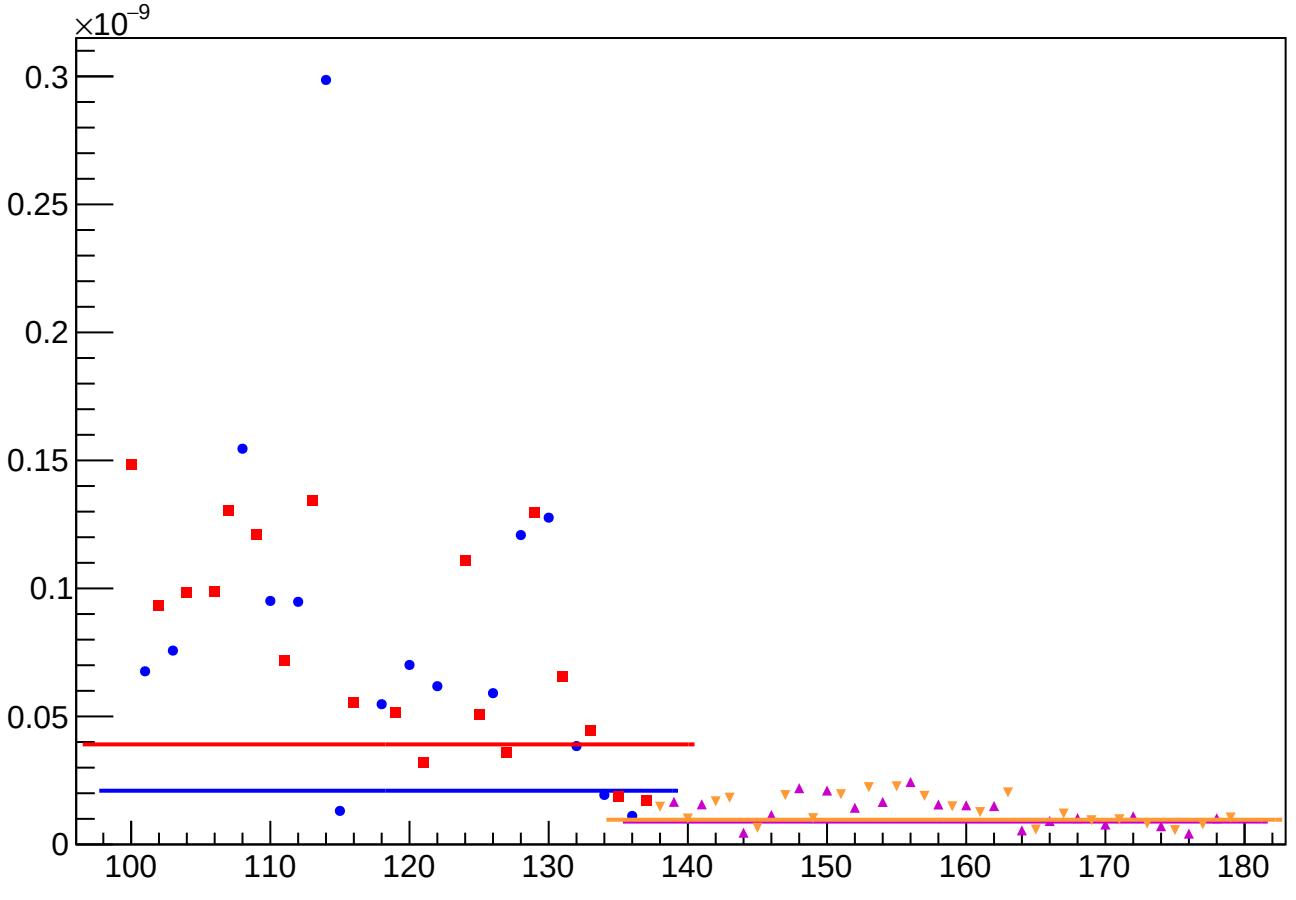
Left: -0.000+/-0.000 χ^2/NDF: 35.0/41

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:42.4/35

Out: -0.000+/-0.000 χ^2/NDF:45.8/40

All: -0.000+/-0.000 χ^2/NDF: 88.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2379259.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2590550.3/19

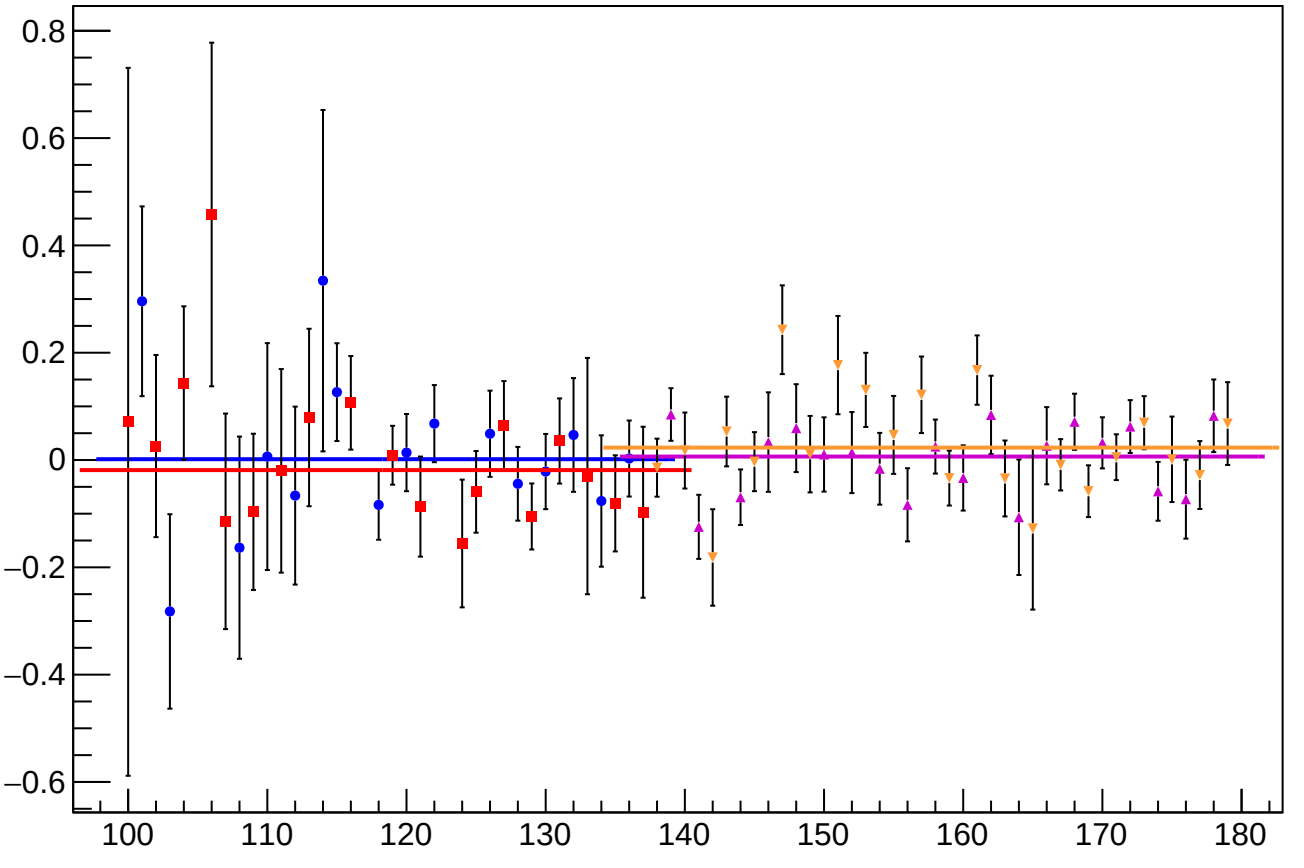
Left: 0.000+/-0.000 χ^2/NDF: 5001814.0/41

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6841830.0/35

Out: 0.000+/-0.000 χ^2/NDF:6680175.5/40

All: 0.000+/-0.000 χ^2/NDF: 13556034.5/76



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:21.7/19

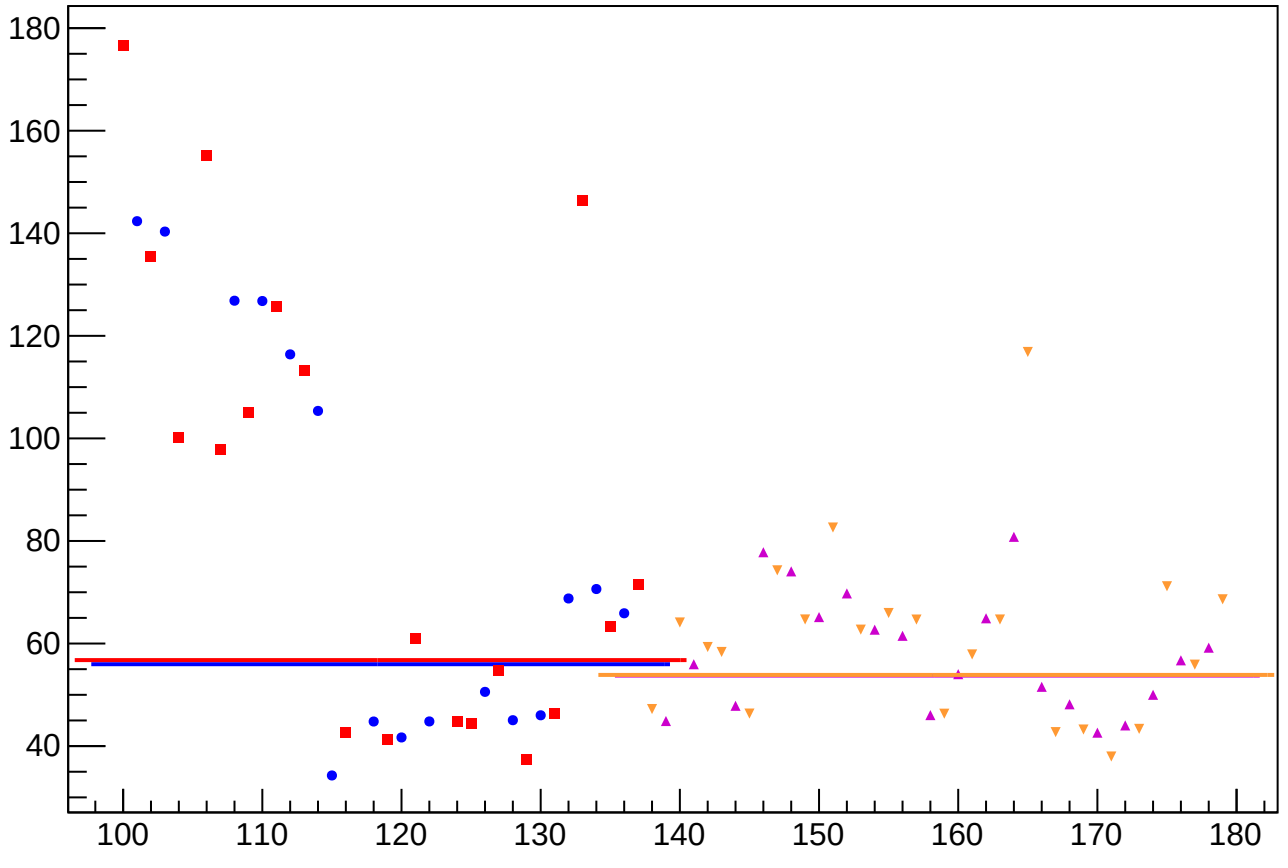
Left: 0.015+/-0.010 χ^2/NDF: 56.2/41

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.009+/-0.008 χ^2/NDF: 84.2/76



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813109.3/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

Left: 53.818+/-0.007 χ^2/NDF: 2828272.0/41

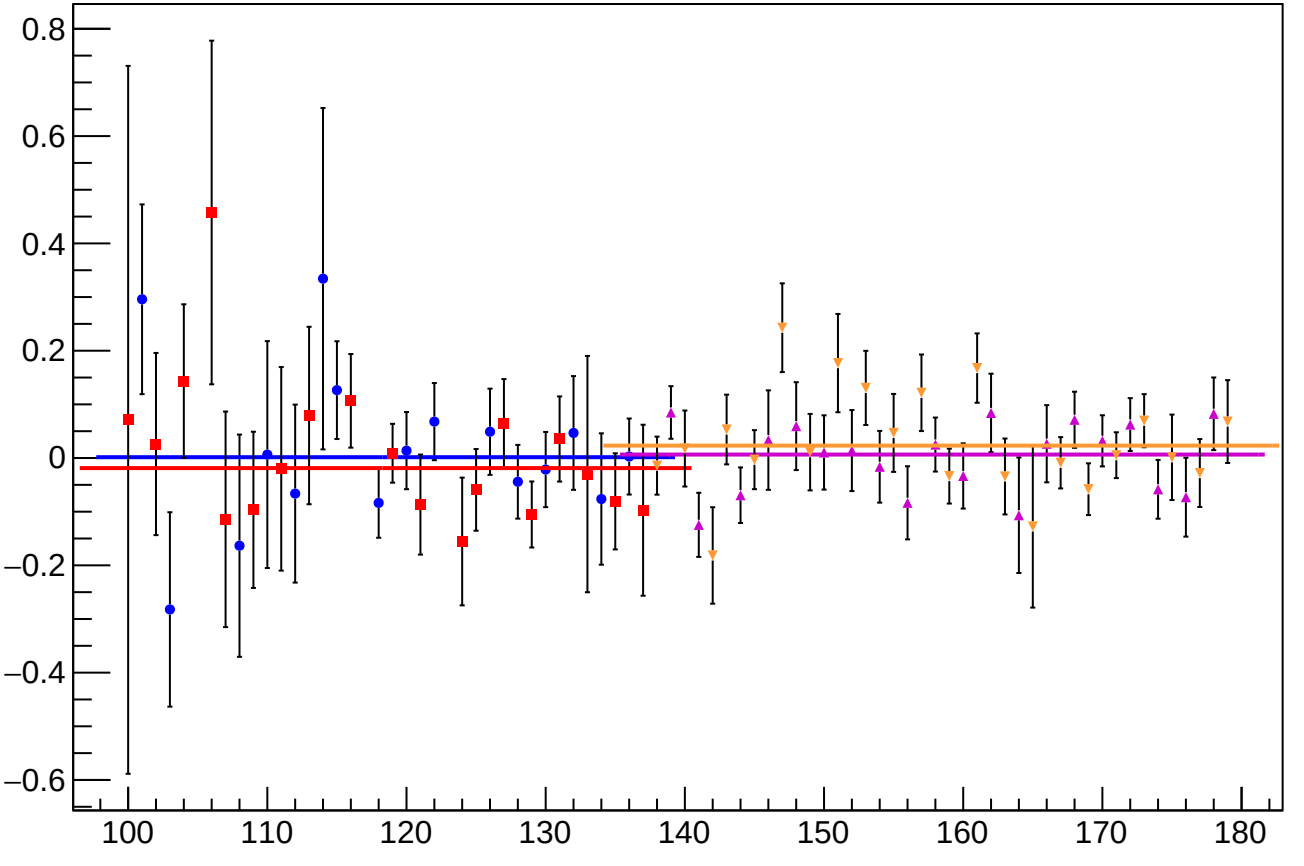
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.323+/-0.008 χ^2/NDF:3208208.8/35

Out: 54.590+/-0.008 χ^2/NDF:4389114.3/40

All: 54.459+/-0.006 χ^2/NDF: 7597839.3/76

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:21.7/19

Left: 0.015+/-0.010 χ^2/NDF: 56.2/41

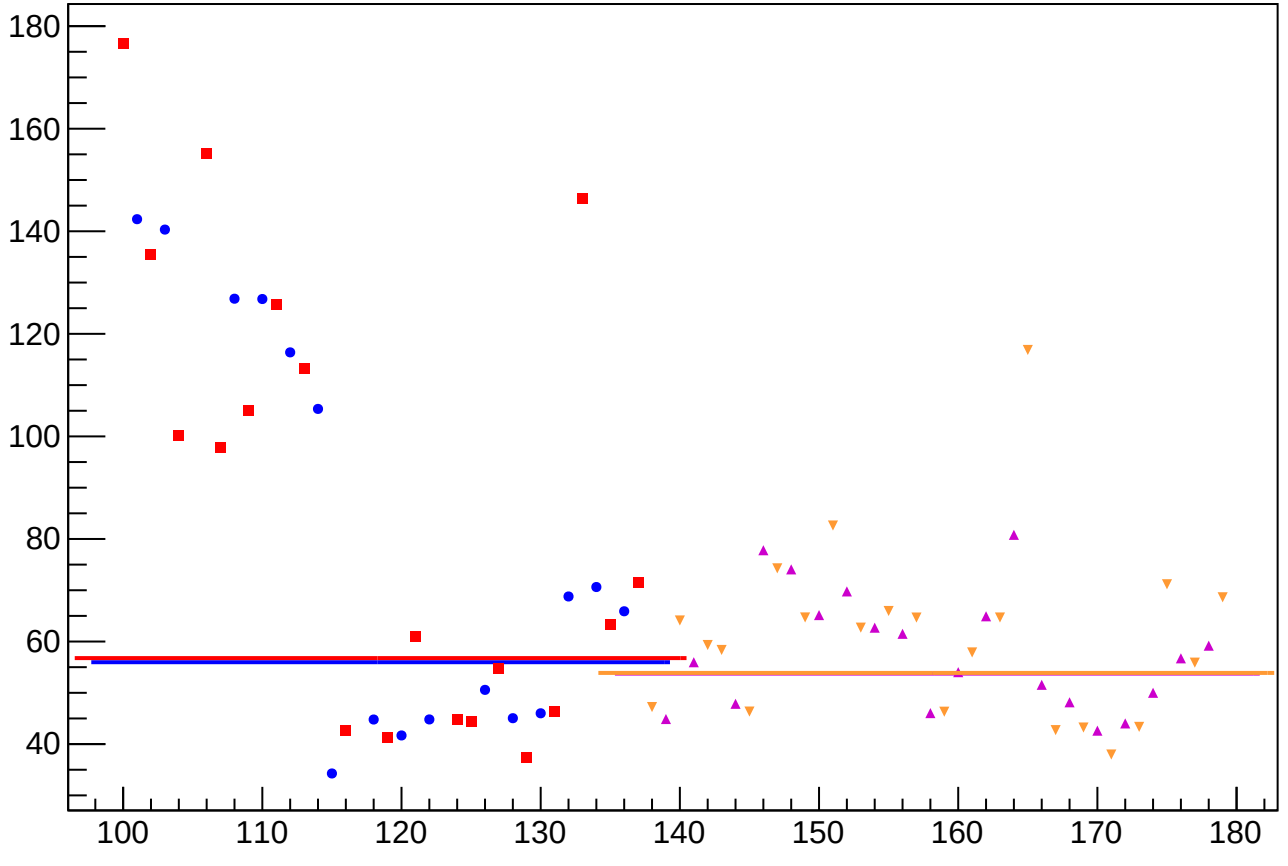
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.009+/-0.008 χ^2/NDF: 84.2/76

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813109.3/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

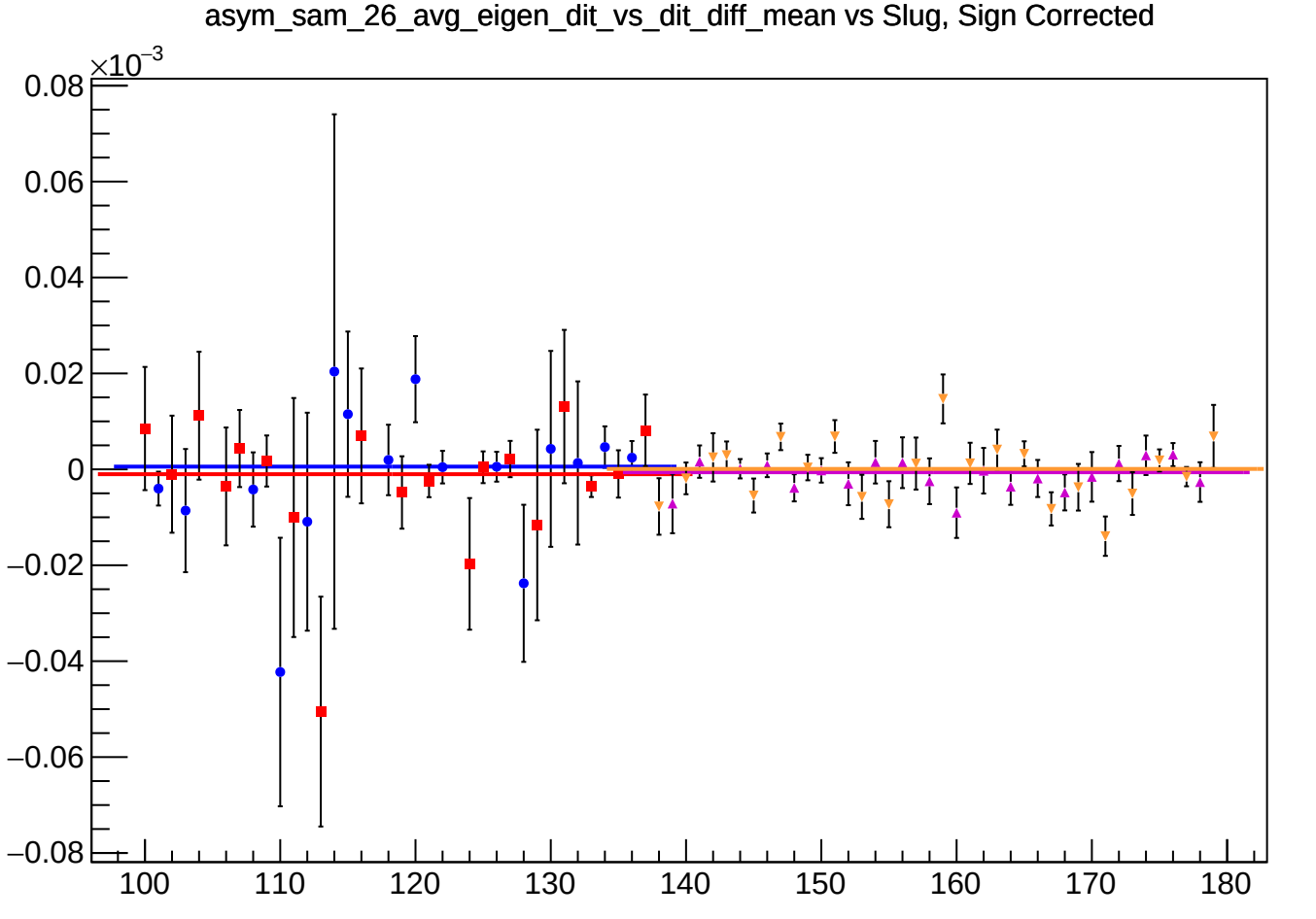
Left: 53.818+/-0.007 χ^2/NDF: 2828272.0/41

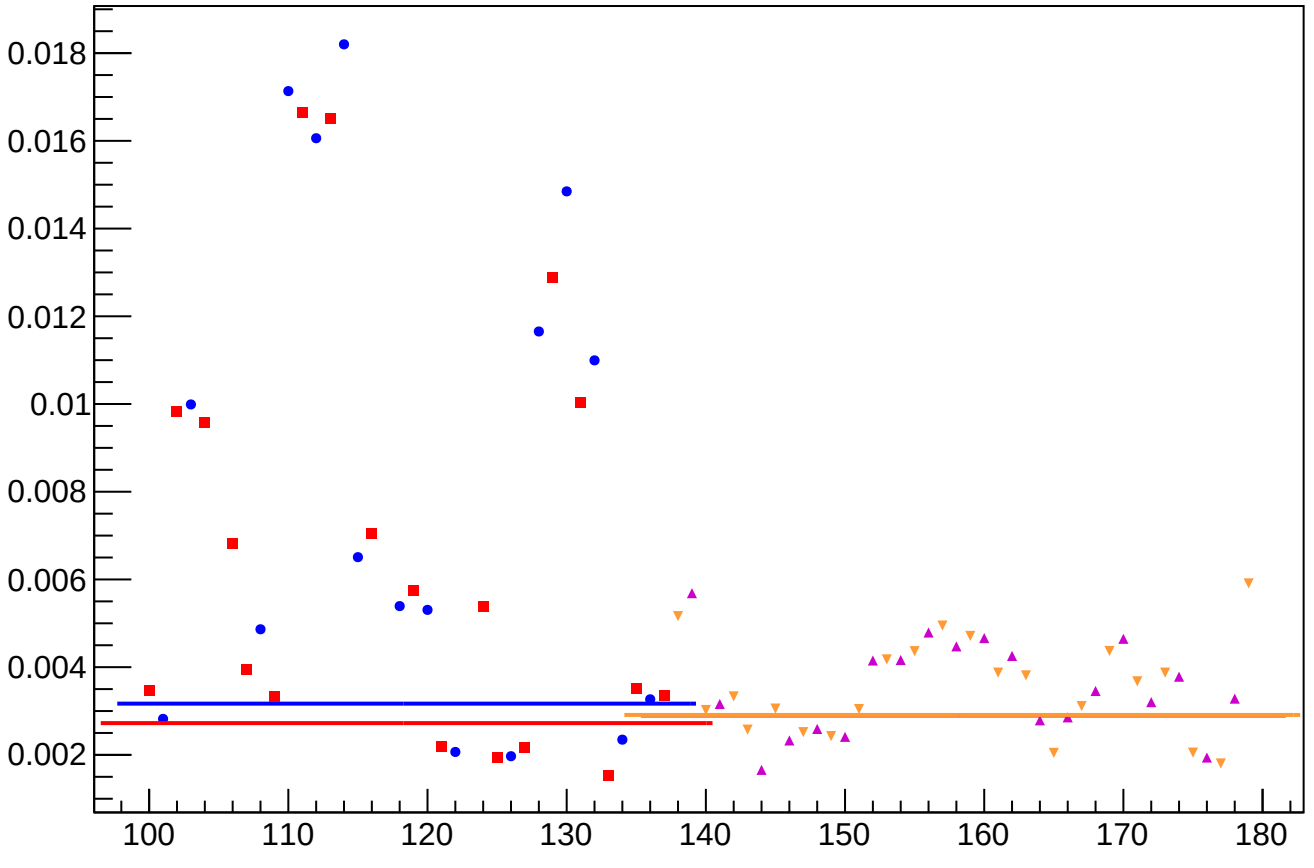
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.323+/-0.008 χ^2/NDF:3208208.8/35

Out: 54.590+/-0.008 χ^2/NDF:4389114.3/40

All: 54.459+/-0.006 χ^2/NDF: 7597839.3/76


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:51.9/21
Right Out: -0.000+/-0.000 χ²/NDF: 13.8/18
Left In: -0.000+/-0.000 χ²/NDF:12.3/19
Left: -0.000+/-0.000 χ²/NDF: 64.7/41
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: -0.000+/-0.000 χ²/NDF:26.1/35
Out: -0.000+/-0.000 χ²/NDF:66.3/40
All: -0.000+/-0.000 χ²/NDF: 92.4/76



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3377628.2/21

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3274665.2/19

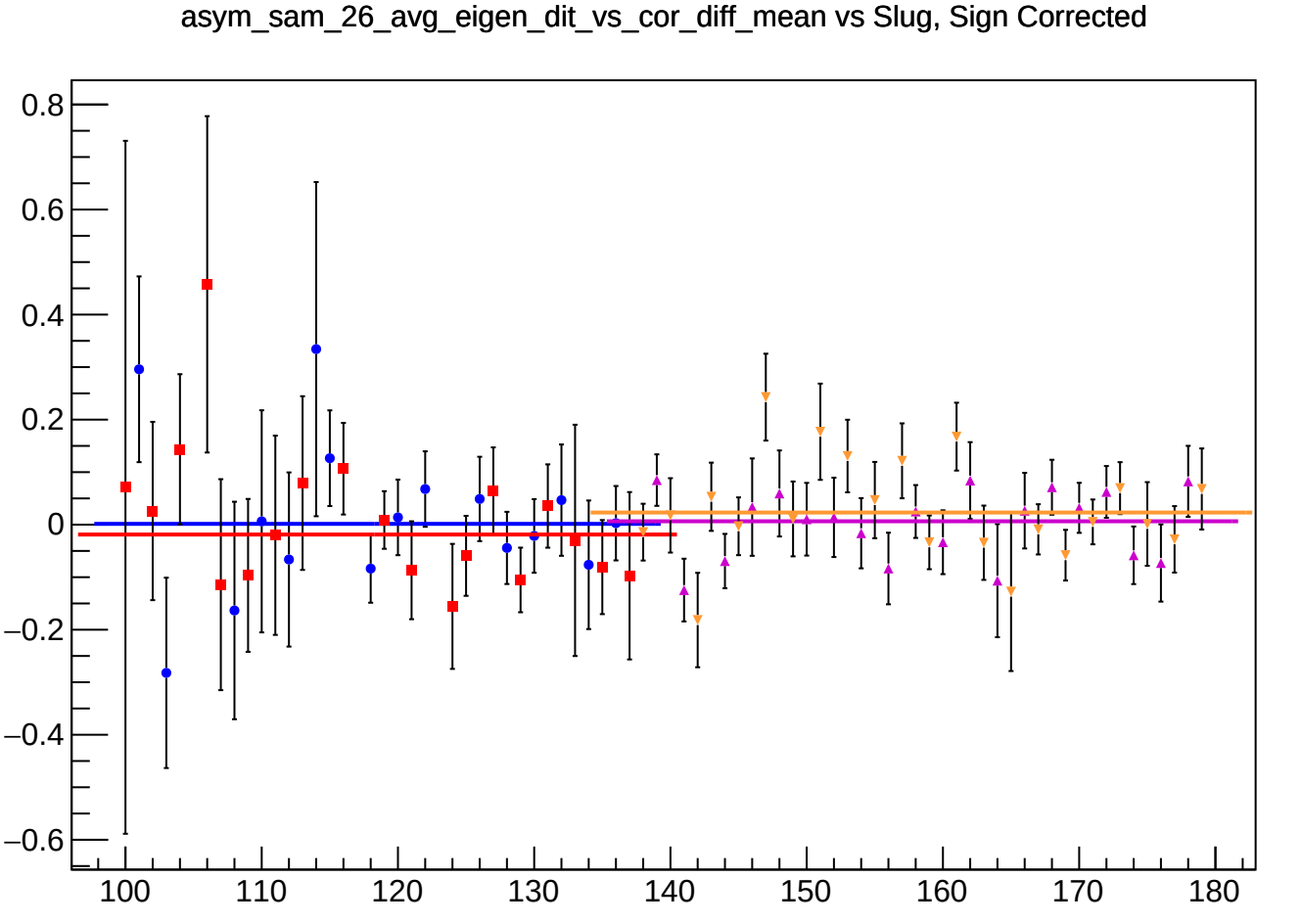
Left: 0.003+/-0.000 χ^2/NDF: 6652578.4/41

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

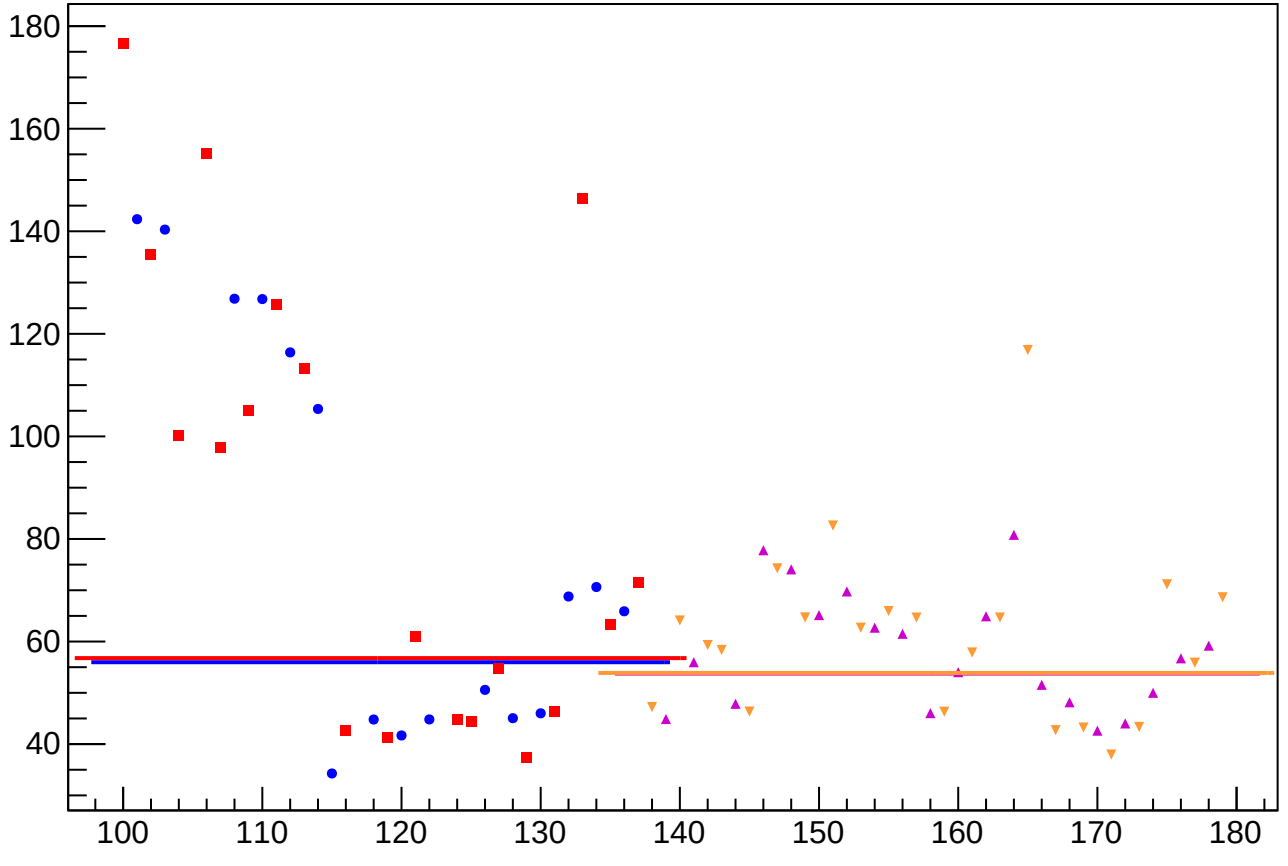
In: 0.003+/-0.000 χ^2/NDF:7874617.7/35

Out: 0.003+/-0.000 χ^2/NDF:8562775.0/40

All: 0.003+/-0.000 χ^2/NDF: 16457657.5/76


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.023+/-0.013 χ²/NDF:33.7/21
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.006+/-0.014 χ²/NDF:21.7/19
Left: 0.015+/-0.010 χ²/NDF: 56.2/41
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: 0.005+/-0.012 χ²/NDF:34.8/35
Out: 0.013+/-0.012 χ²/NDF:49.2/40
All: 0.009+/-0.008 χ²/NDF: 84.2/76

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813114.1/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.751+/-0.010 χ^2/NDF:1015043.7/19

Left: 53.818+/-0.007 χ^2/NDF: 2828248.8/41

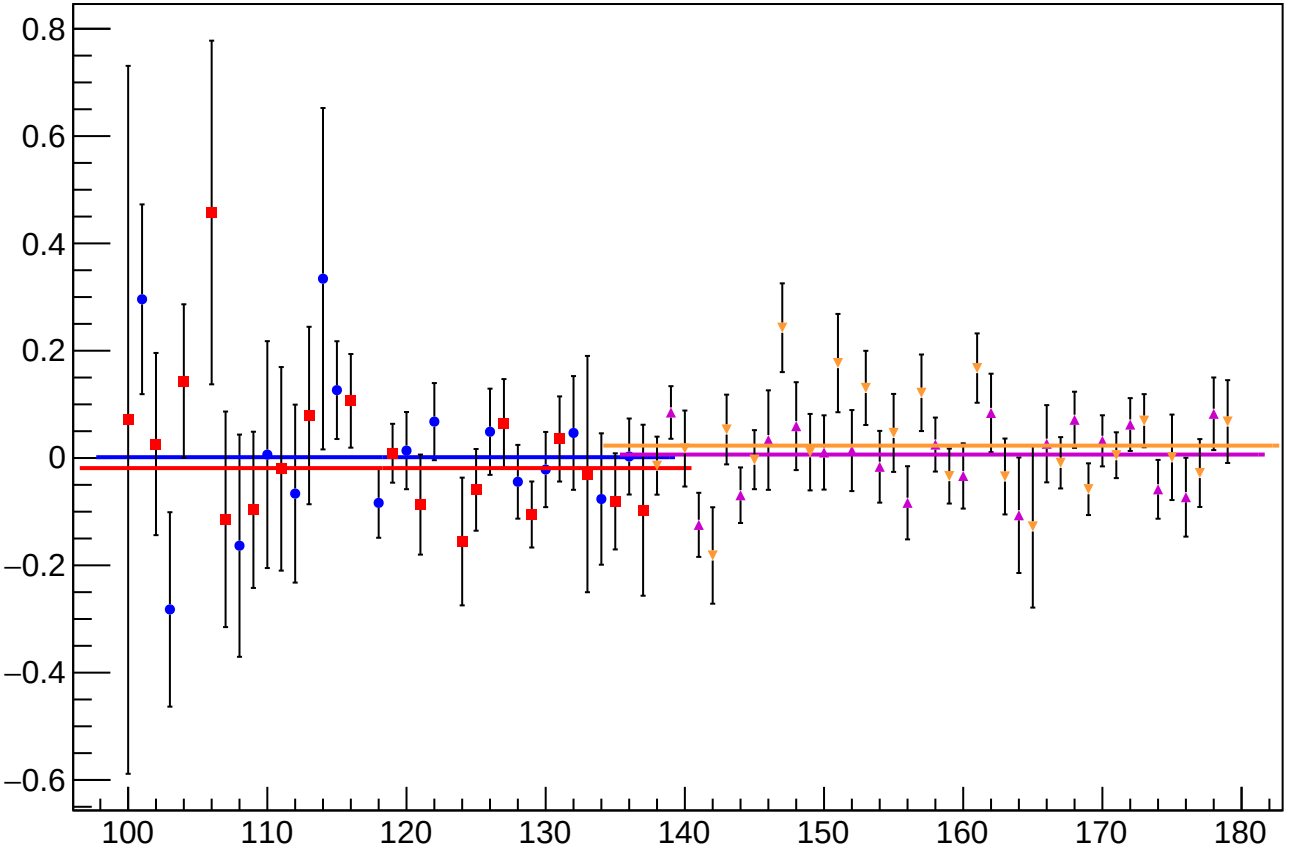
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.323+/-0.008 χ^2/NDF:3208098.2/35

Out: 54.591+/-0.008 χ^2/NDF:4389048.5/40

All: 54.460+/-0.006 χ^2/NDF: 7597662.3/76

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.023+/-0.013 χ^2/NDF:33.7/21

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:21.7/19

Left: 0.015+/-0.010 χ^2/NDF: 56.2/41

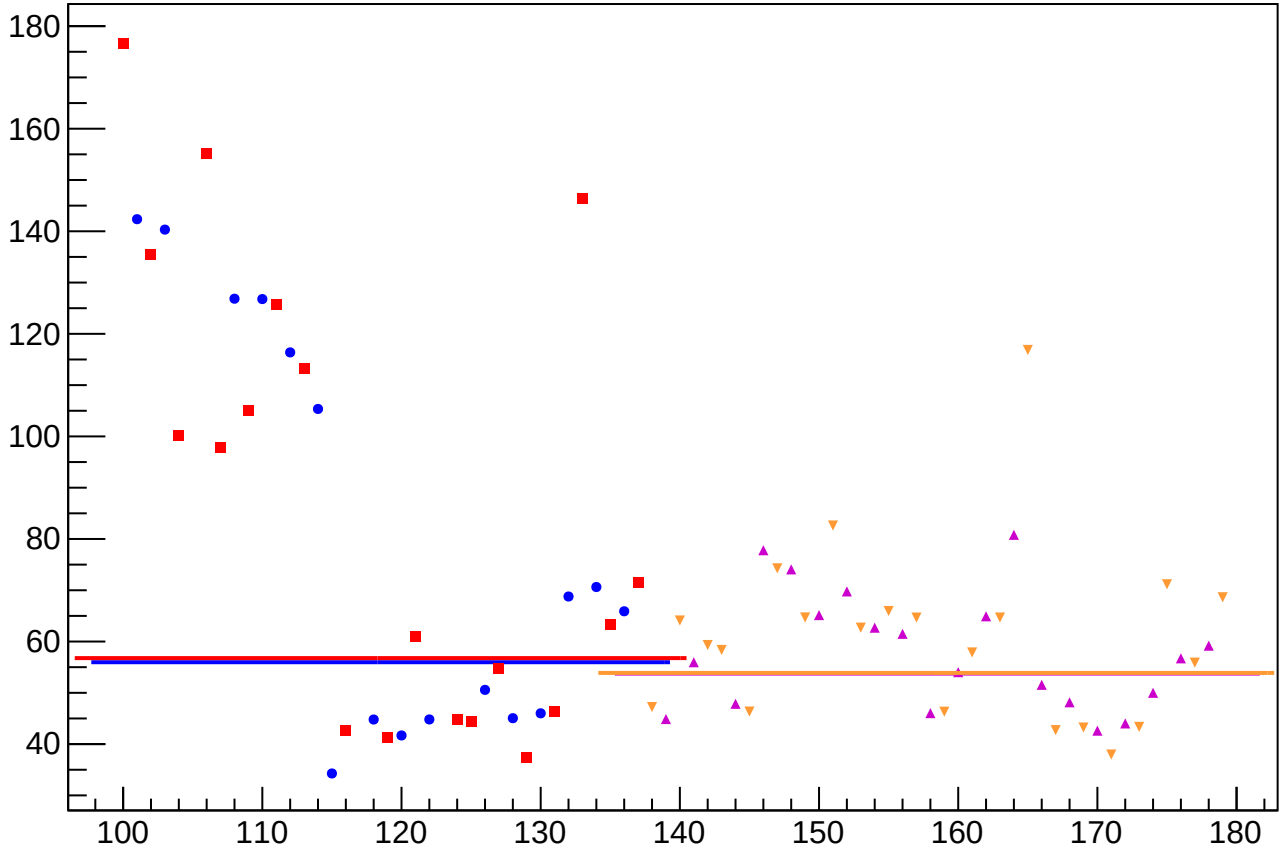
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.013+/-0.012 χ^2/NDF:49.2/40

All: 0.009+/-0.008 χ^2/NDF: 84.2/76

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.881+/-0.009 χ^2/NDF:1813114.1/21

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.751+/-0.010 χ^2/NDF:1015043.7/19

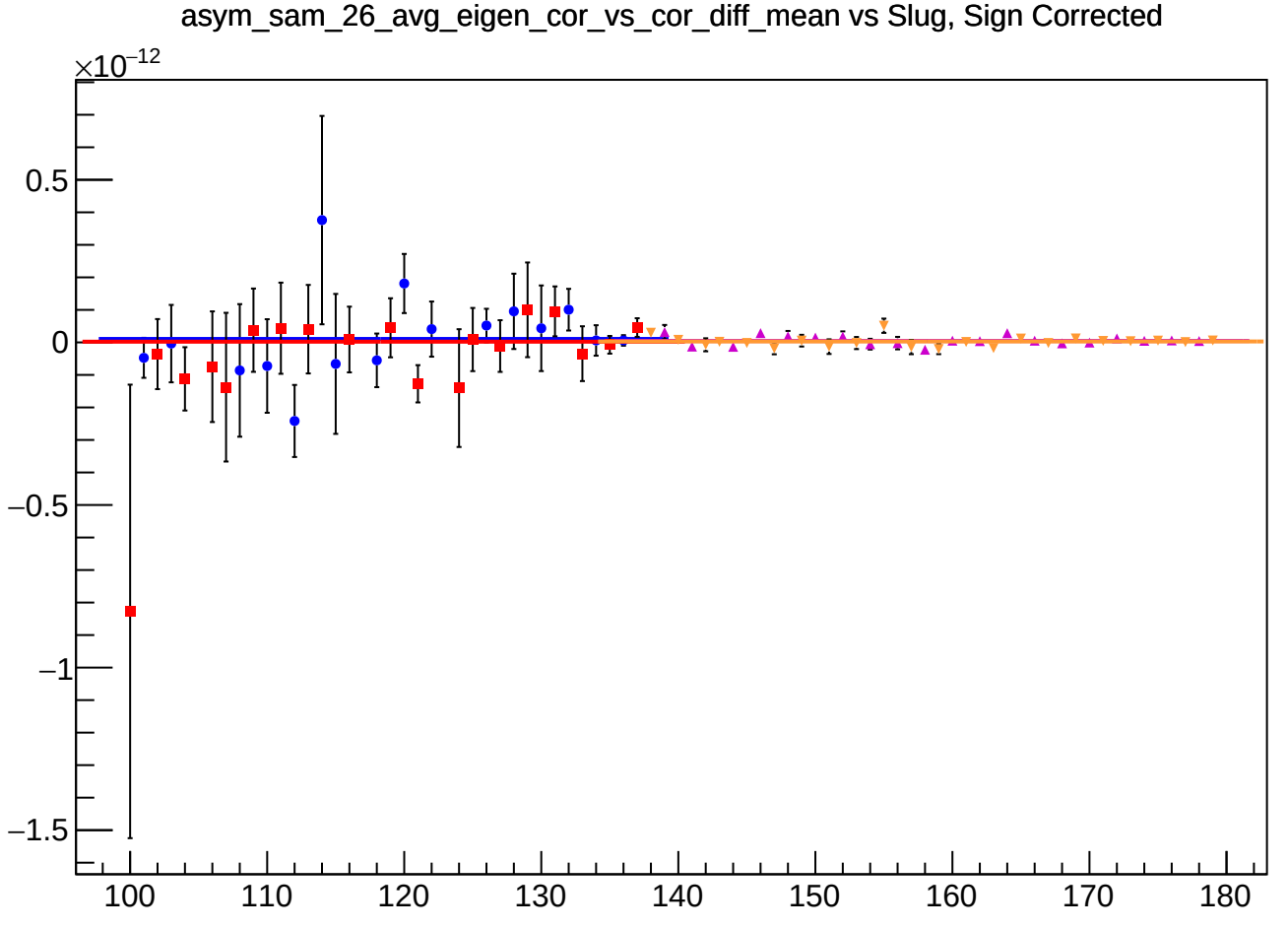
Left: 53.818+/-0.007 χ^2/NDF: 2828248.8/41

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.323+/-0.008 χ^2/NDF:3208098.2/35

Out: 54.591+/-0.008 χ^2/NDF:4389048.5/40

All: 54.460+/-0.006 χ^2/NDF: 7597662.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.5/19

Left: 0.000+/-0.000 χ^2/NDF: 49.6/41

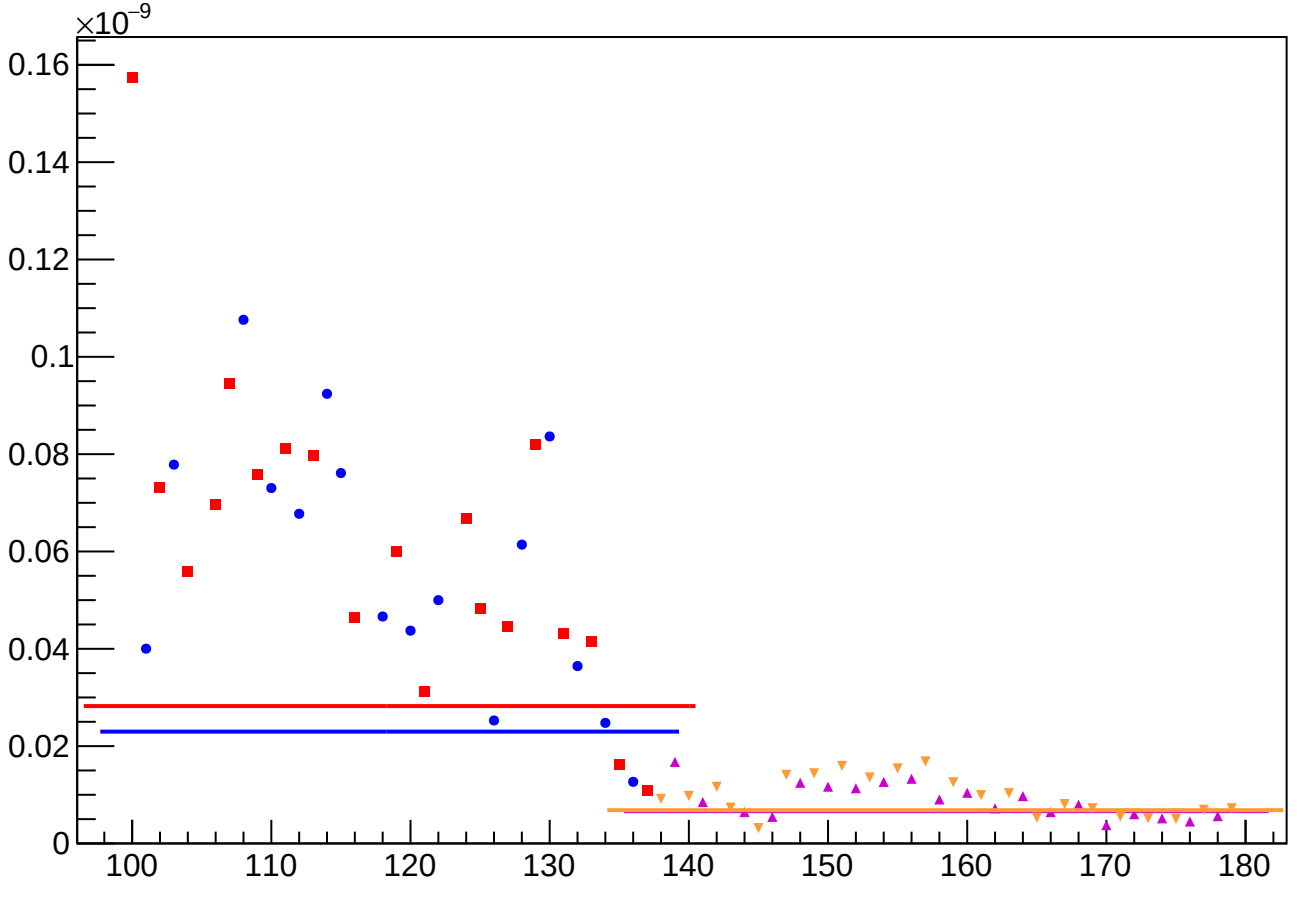
Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.4/35

Out: 0.000+/-0.000 χ^2/NDF:34.2/40

All: 0.000+/-0.000 χ^2/NDF: 79.8/76

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4230334.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2849055.5/19

Left: 0.000+/-0.000 χ^2/NDF: 7087905.3/41

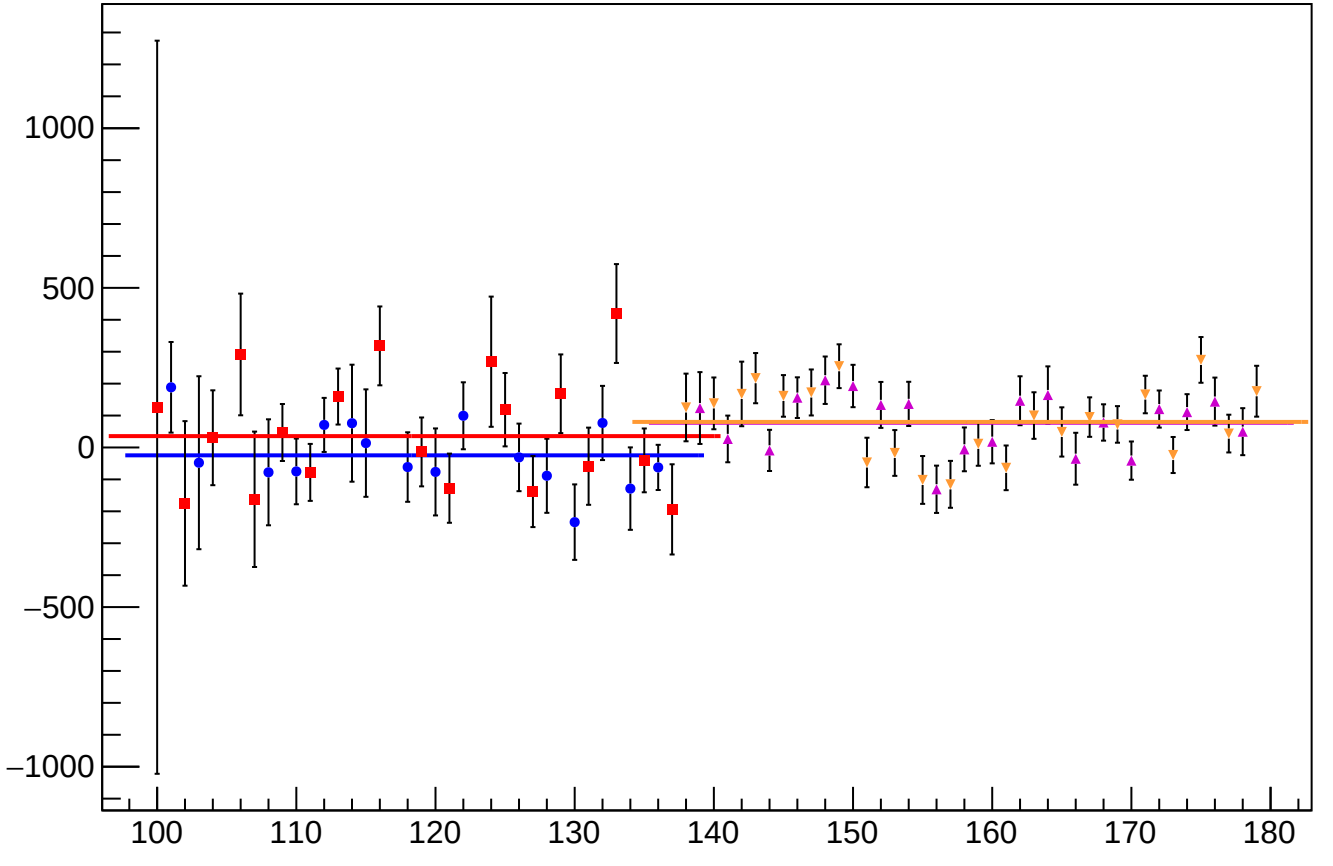
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9672900.1/35

Out: 0.000+/-0.000 χ^2/NDF:11784264.3/40

All: 0.000+/-0.000 χ^2/NDF: 21463038.2/76

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.065+/-15.000 χ^2/NDF:51.9/21

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 77.452+/-15.462 χ^2/NDF:31.1/19

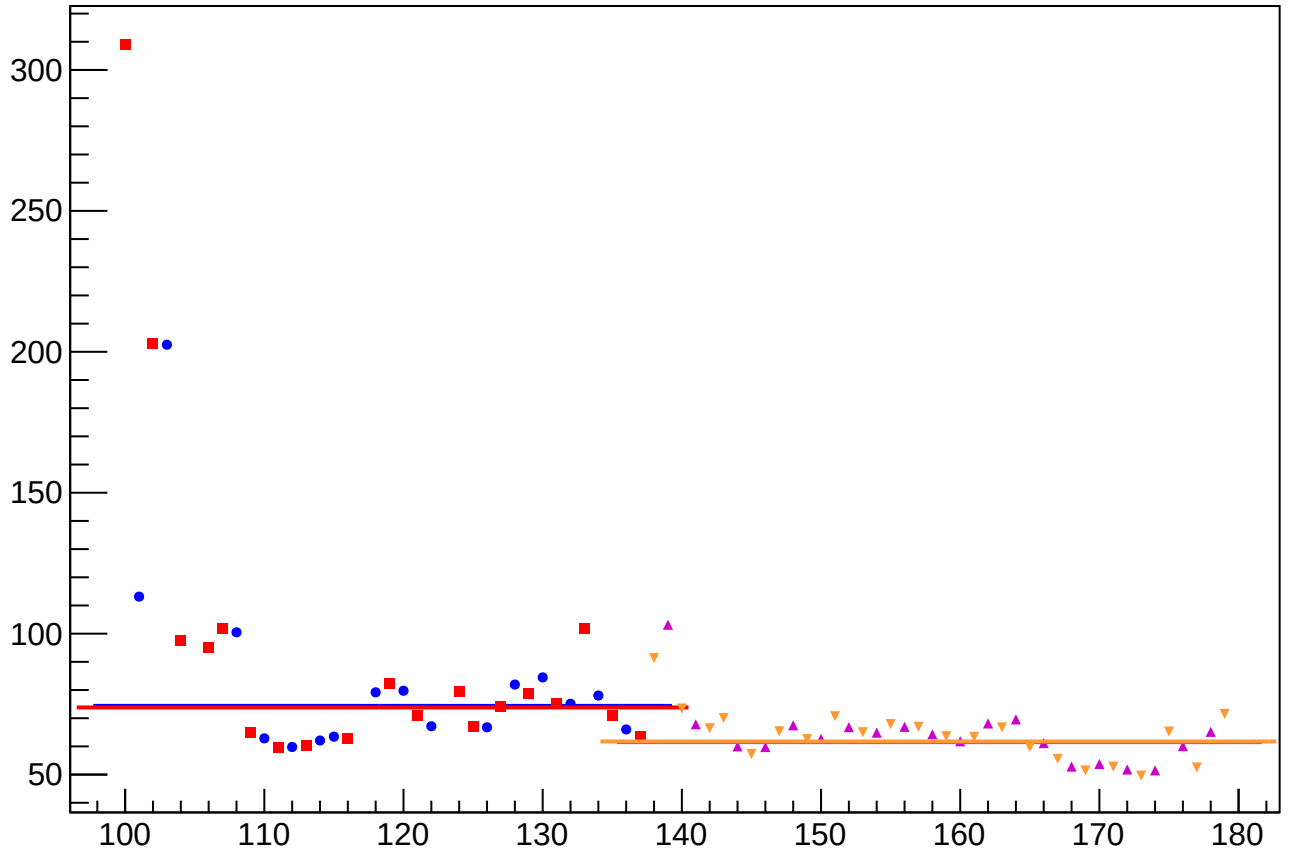
Left: 78.798+/-10.766 χ^2/NDF: 83.0/41

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 54.748+/-13.635 χ^2/NDF:51.8/35

Out: 70.392+/-13.269 χ^2/NDF:83.9/40

All: 62.783+/-9.509 χ^2/NDF: 136.4/76



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

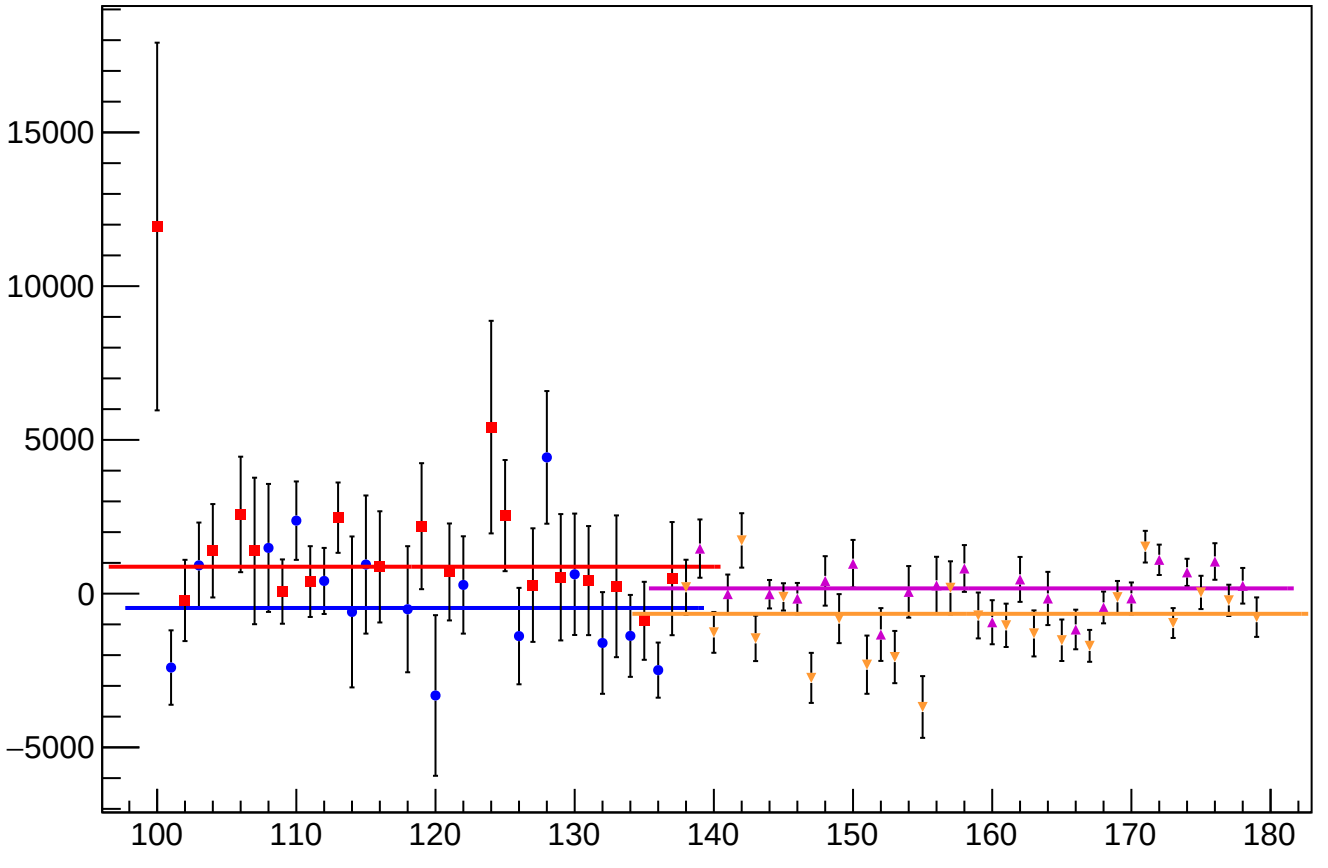
Left: 61.640+/-0.008 χ^2/NDF: 1183630.7/41

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.383+/-0.010 χ^2/NDF:1705142.5/35

Out: 64.370+/-0.009 χ^2/NDF:1826212.8/40

All: 64.376+/-0.007 χ^2/NDF: 3531356.2/76



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -656.386+/-138.098 χ^2/NDF:62.7/21

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 170.657+/-139.933 χ^2/NDF:23.4/19

Left: -248.325+/-98.292 χ^2/NDF: 103.8/41

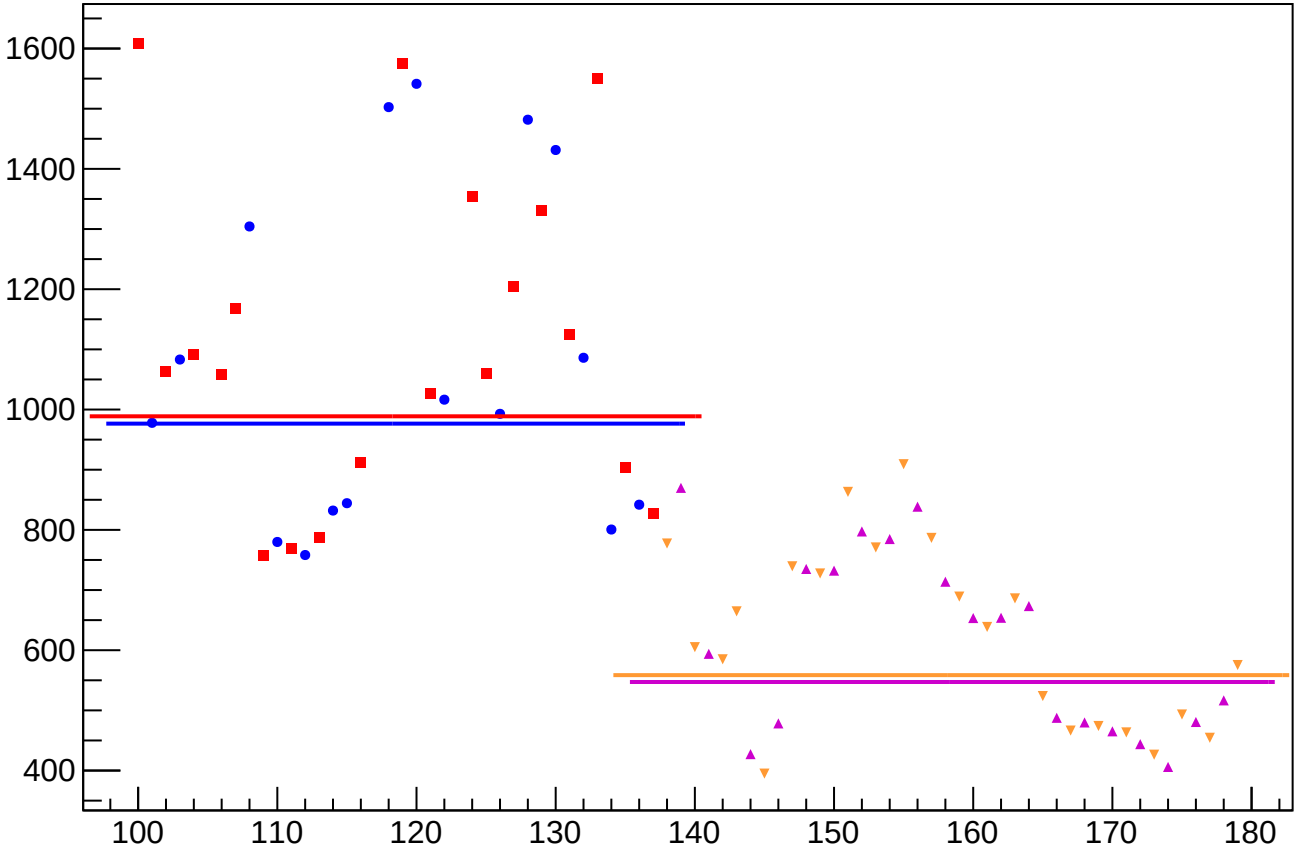
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 92.788+/-131.104 χ^2/NDF:49.7/35

Out: -471.070+/-129.475 χ^2/NDF:90.6/40

All: -192.667+/-92.123 χ^2/NDF: 149.7/76

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 558.586+/-0.098 χ^2/NDF:1944189.1/21

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 547.175+/-0.099 χ^2/NDF:1812223.2/19

Left: 552.956+/-0.070 χ^2/NDF: 3763149.9/41

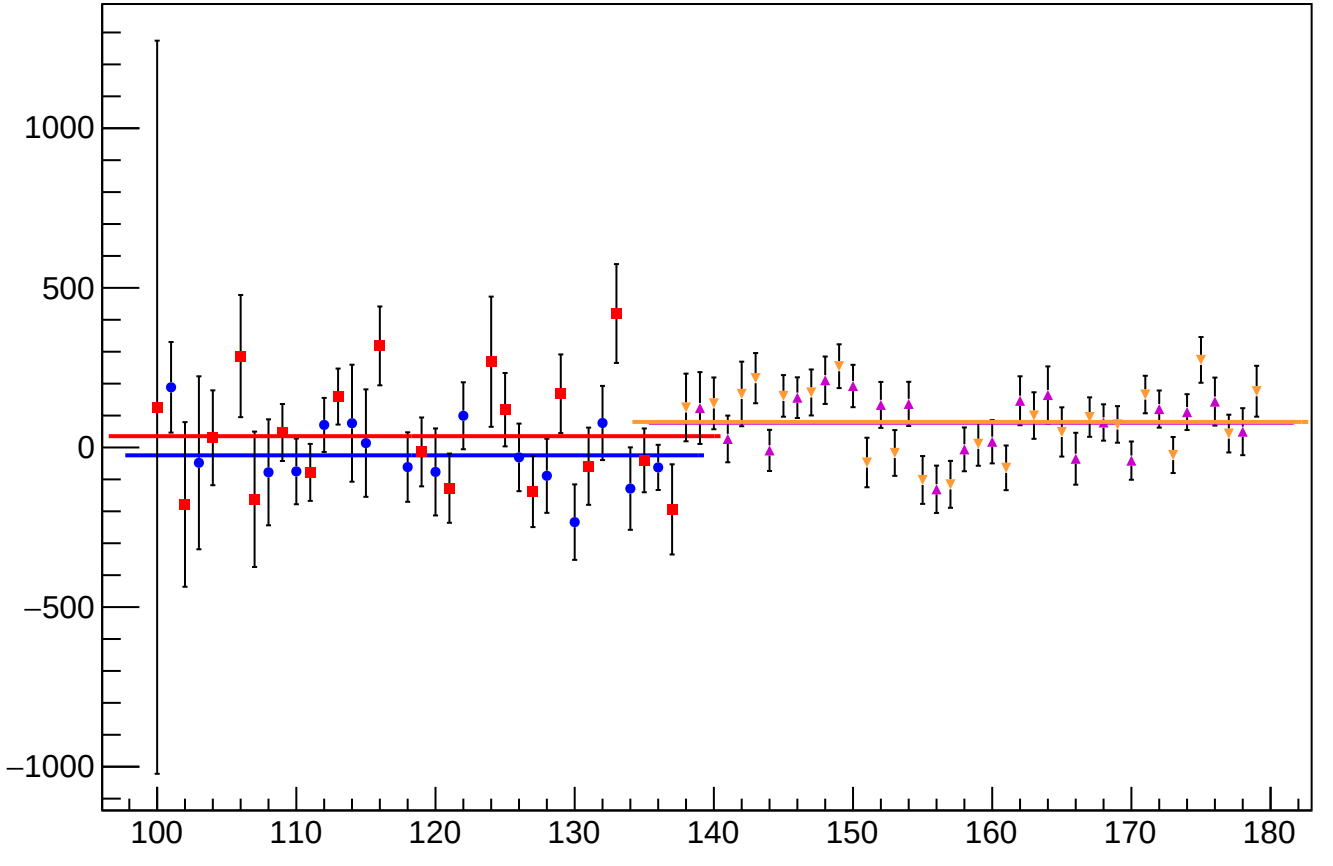
Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 599.652+/-0.093 χ^2/NDF:4850422.0/35

Out: 610.630+/-0.092 χ^2/NDF:5007788.0/40

All: 605.210+/-0.065 χ^2/NDF: 9865309.4/76

cor_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 77.451+/-15.462 χ^2/NDF:31.1/19

Left: 78.799+/-10.766 χ^2/NDF: 83.0/41

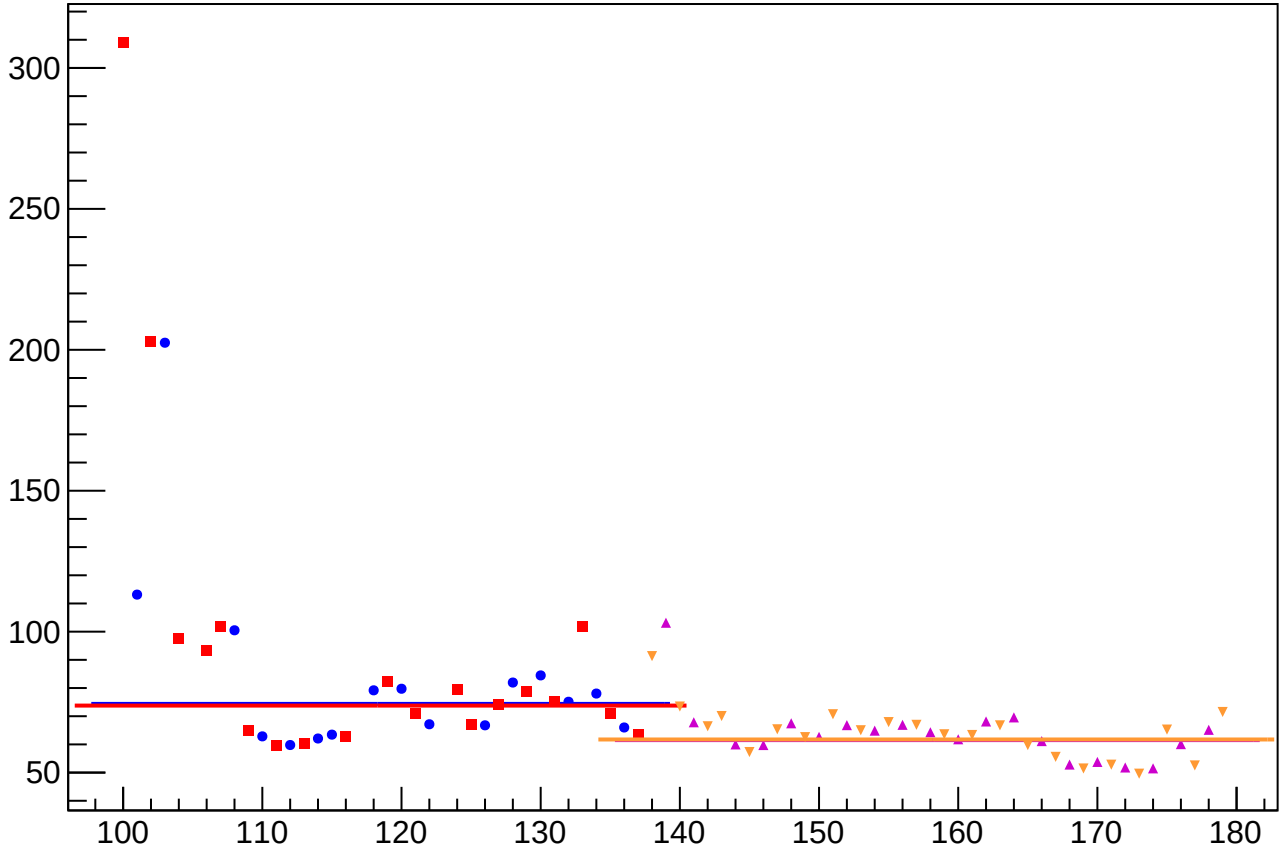
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.746+/-13.635 χ^2/NDF:51.8/35

Out: 70.352+/-13.270 χ^2/NDF:83.8/40

All: 62.761+/-9.510 χ^2/NDF: 136.3/76

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

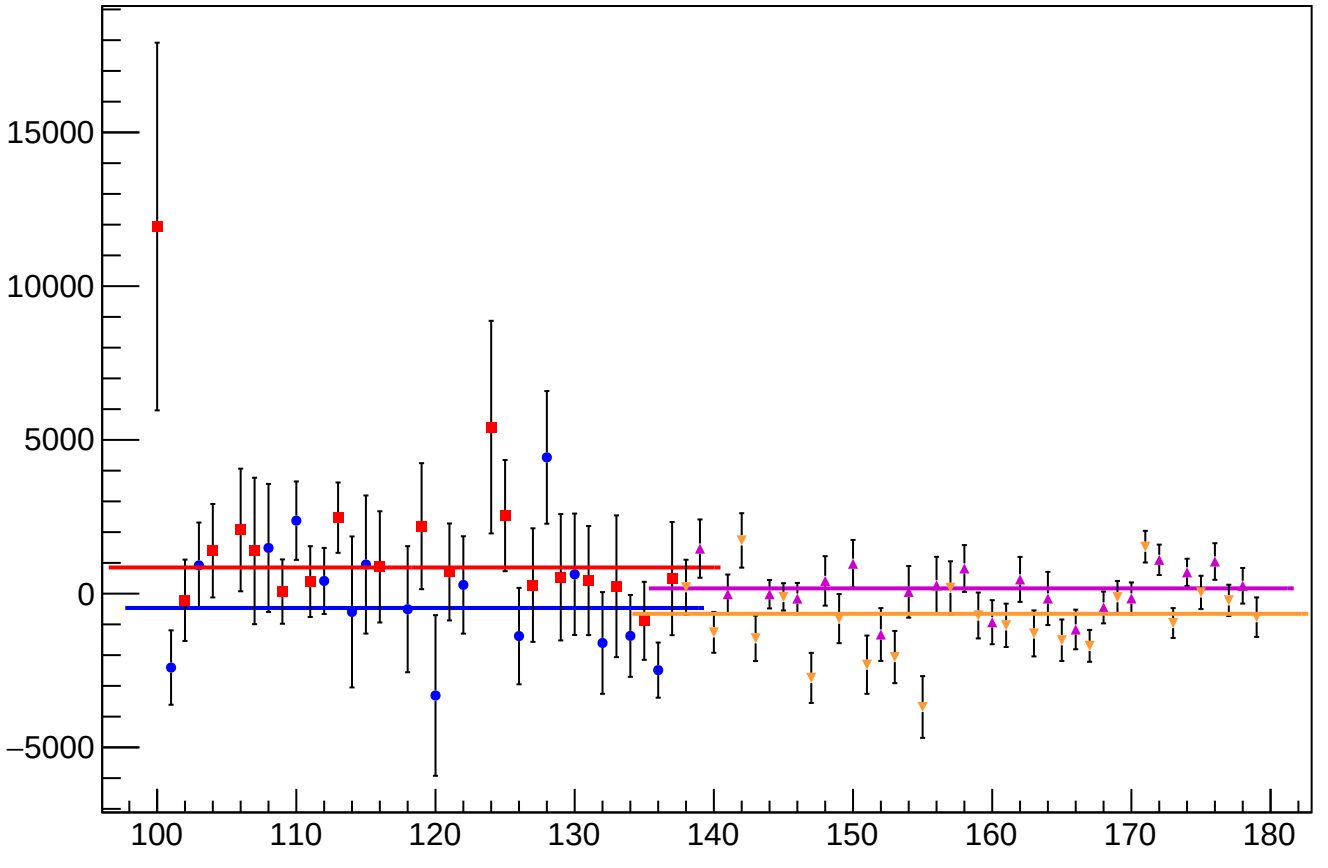
Left: 61.640+/-0.008 χ^2/NDF: 1183630.7/41

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.383+/-0.010 χ^2/NDF:1705144.3/35

Out: 64.361+/-0.009 χ^2/NDF:1820433.5/40

All: 64.372+/-0.007 χ^2/NDF: 3525580.6/76



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -656.382+/-138.098 χ^2/NDF:62.7/21

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 170.655+/-139.933 χ^2/NDF:23.4/19

Left: -248.324+/-98.292 χ^2/NDF: 103.8/41

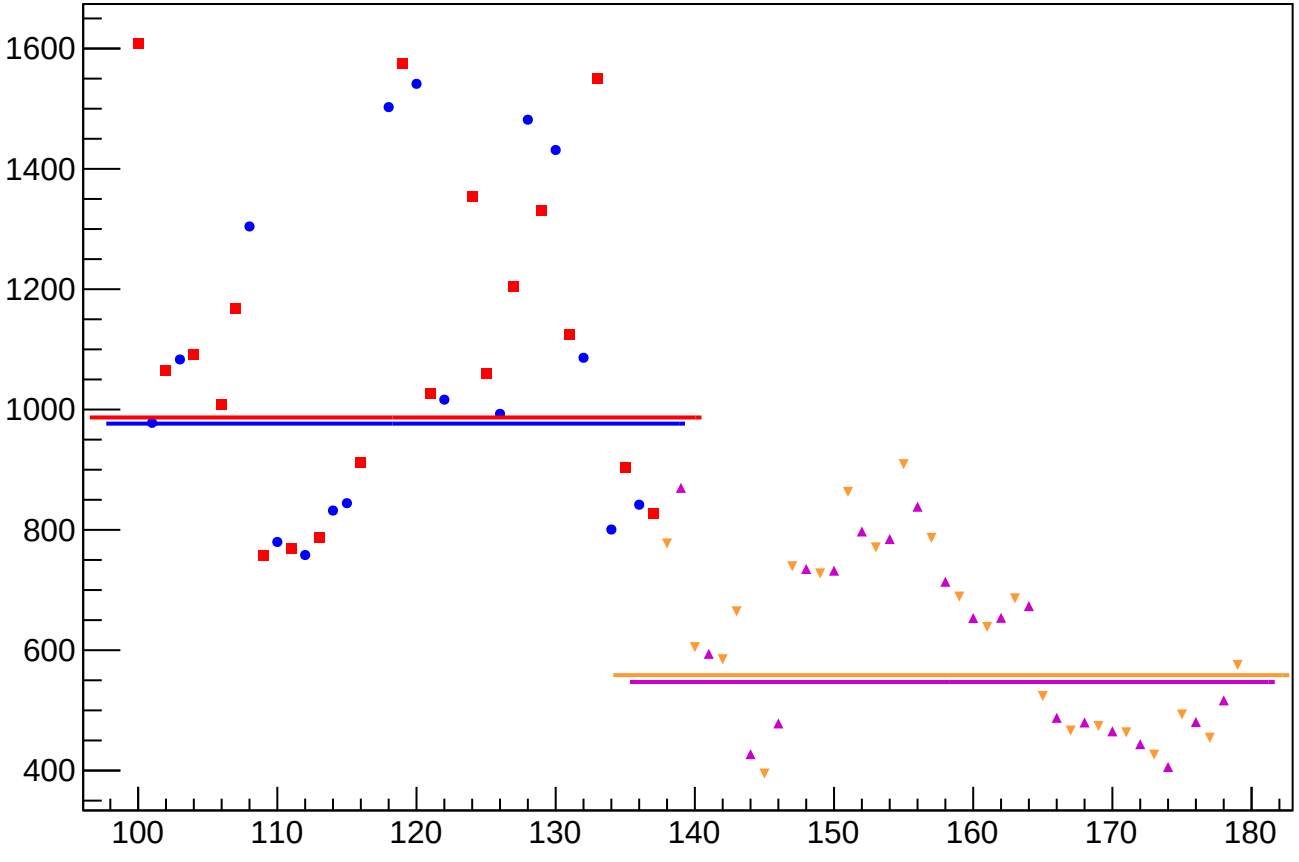
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 92.789+/-131.105 χ^2/NDF:49.7/35

Out: -474.775+/-129.510 χ^2/NDF:89.6/40

All: -194.465+/-92.136 χ^2/NDF: 148.8/76

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

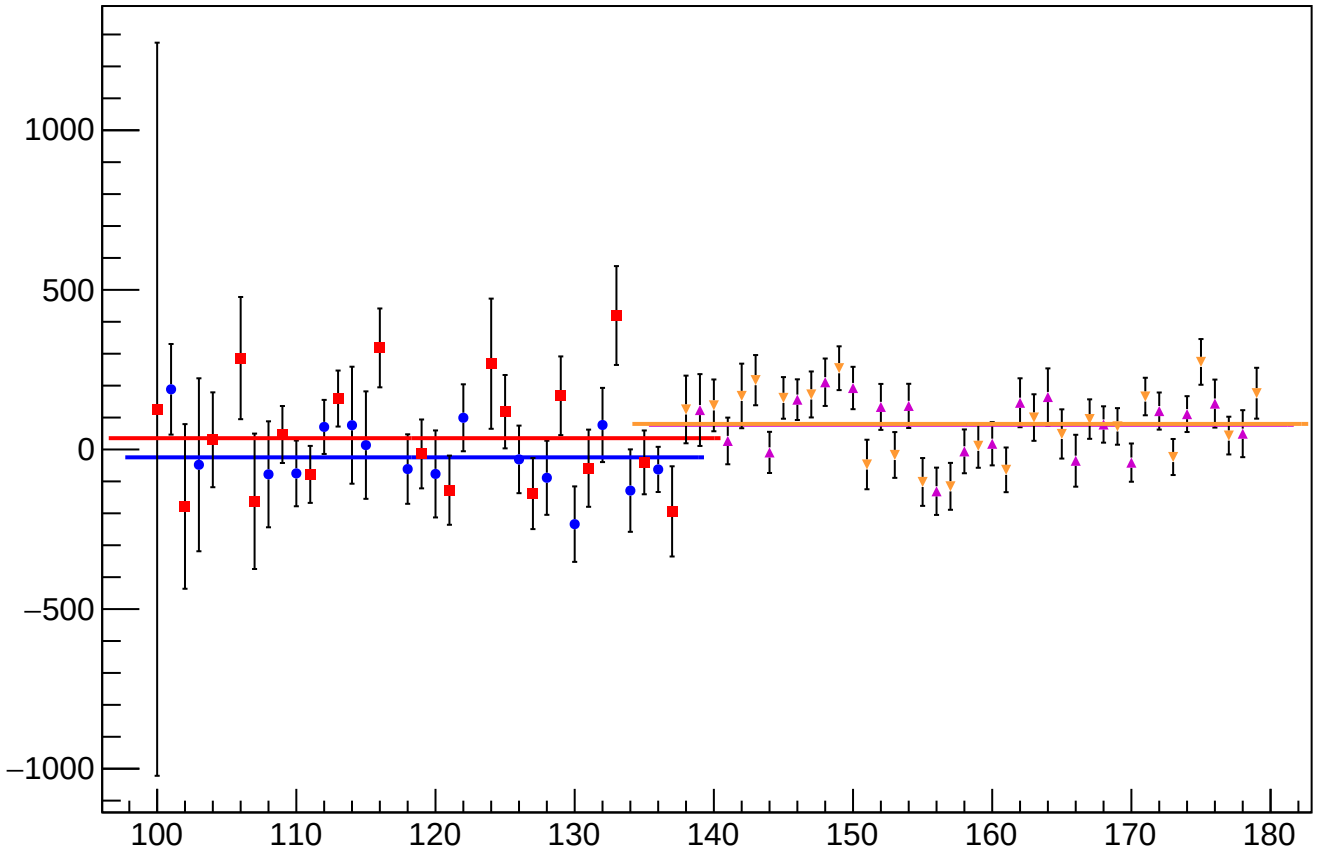
Left: 552.956+/-0.070 χ^2/NDF: 3763152.1/41

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 599.652+/-0.093 χ^2/NDF:4850480.7/35

Out: 610.187+/-0.092 χ^2/NDF:4974928.8/40

All: 604.984+/-0.065 χ^2/NDF: 9831945.2/76



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 80.068+/-15.000 χ^2/NDF:51.9/21

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 77.451+/-15.462 χ^2/NDF:31.1/19

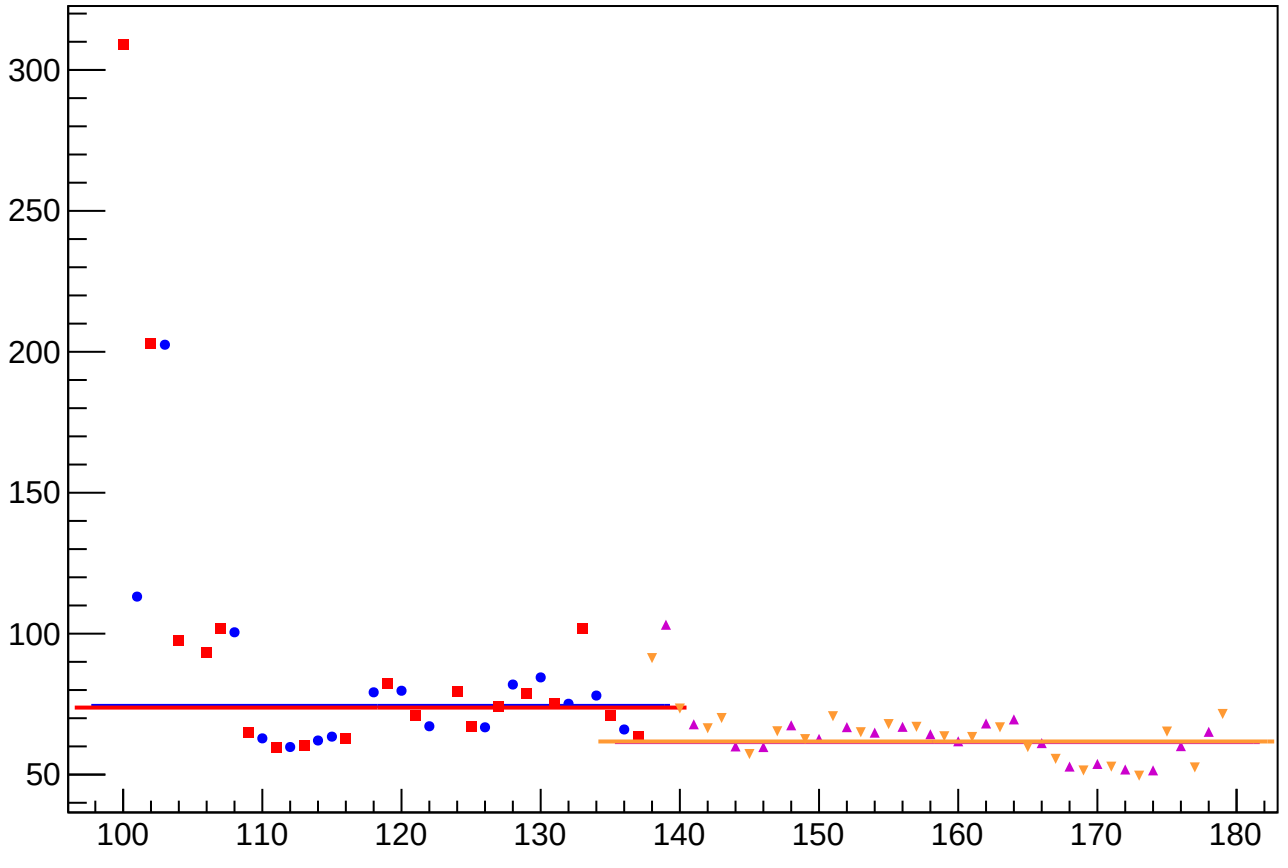
Left: 78.799+/-10.766 χ^2/NDF: 83.0/41

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.746+/-13.635 χ^2/NDF:51.8/35

Out: 70.352+/-13.270 χ^2/NDF:83.8/40

All: 62.761+/-9.510 χ^2/NDF: 136.3/76



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.745+/-0.011 χ^2/NDF:612677.9/21

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.527+/-0.011 χ^2/NDF:570747.3/19

Left: 61.640+/-0.008 χ^2/NDF: 1183630.7/41

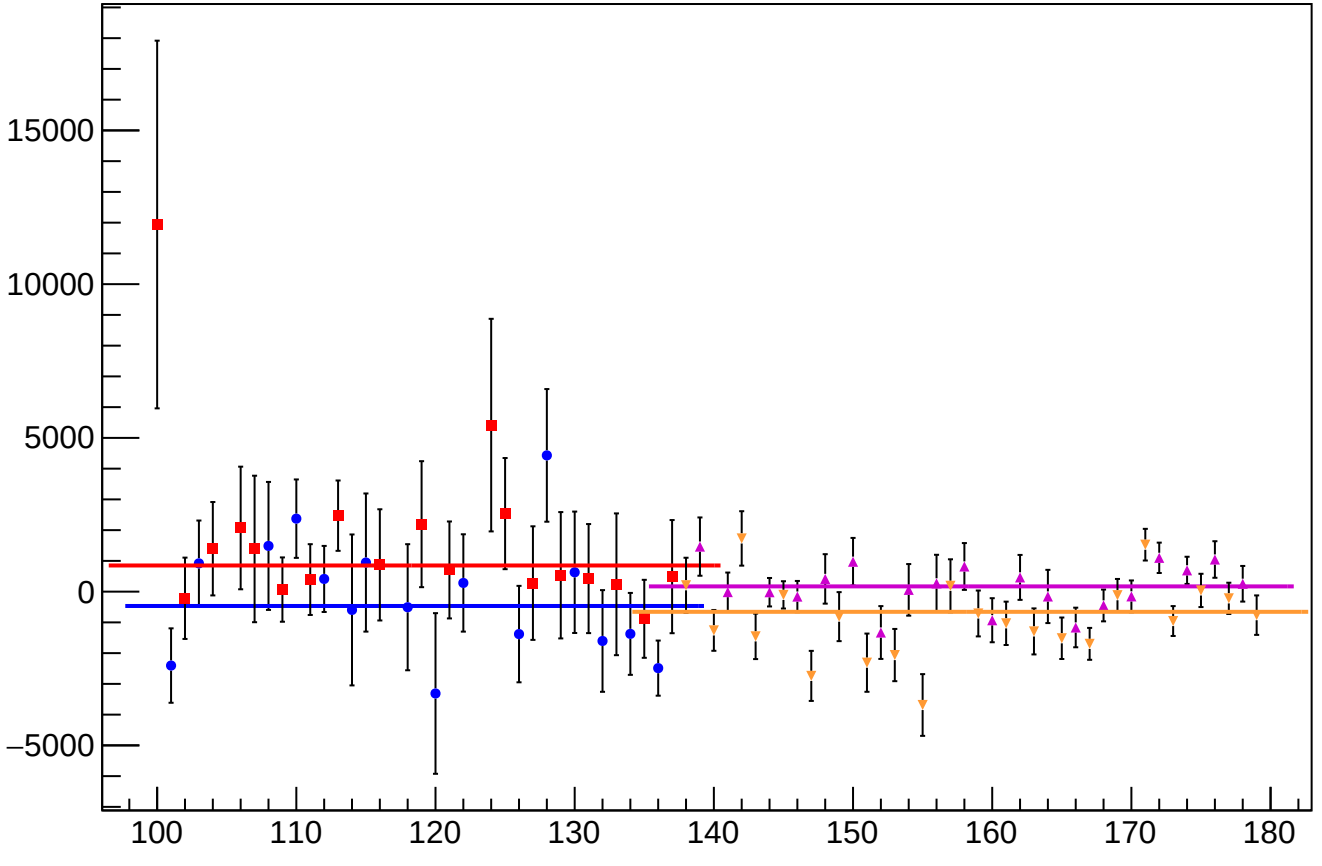
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.383+/-0.010 χ^2/NDF:1705144.3/35

Out: 64.361+/-0.009 χ^2/NDF:1820433.5/40

All: 64.372+/-0.007 χ^2/NDF: 3525580.6/76

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -656.382+/-138.098 χ^2/NDF:62.7/21

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 170.655+/-139.933 χ^2/NDF:23.4/19

Left: -248.324+/-98.292 χ^2/NDF: 103.8/41

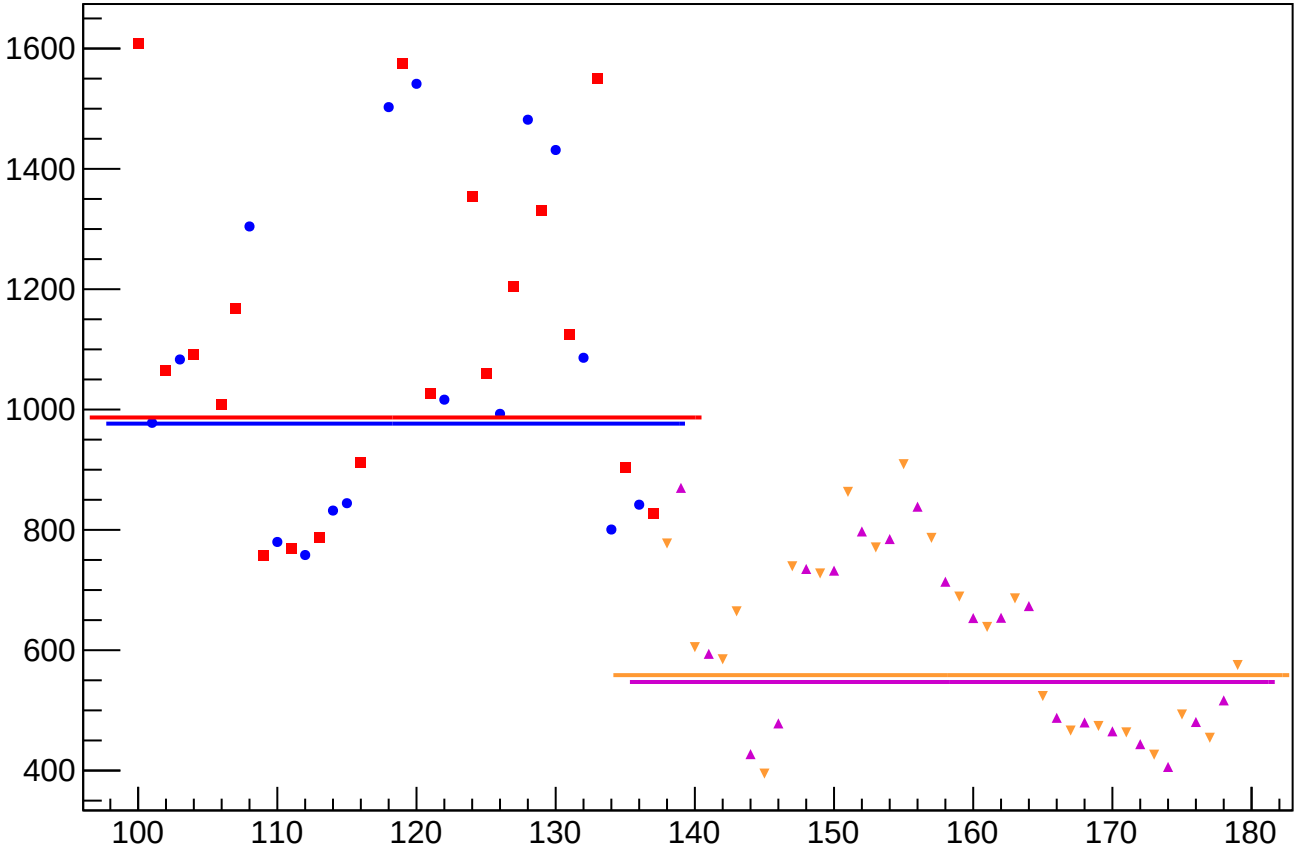
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 92.789+/-131.105 χ^2/NDF:49.7/35

Out: -474.775+/-129.510 χ^2/NDF:89.6/40

All: -194.465+/-92.136 χ^2/NDF: 148.8/76

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 558.585+/-0.098 χ^2/NDF:1944190.9/21

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

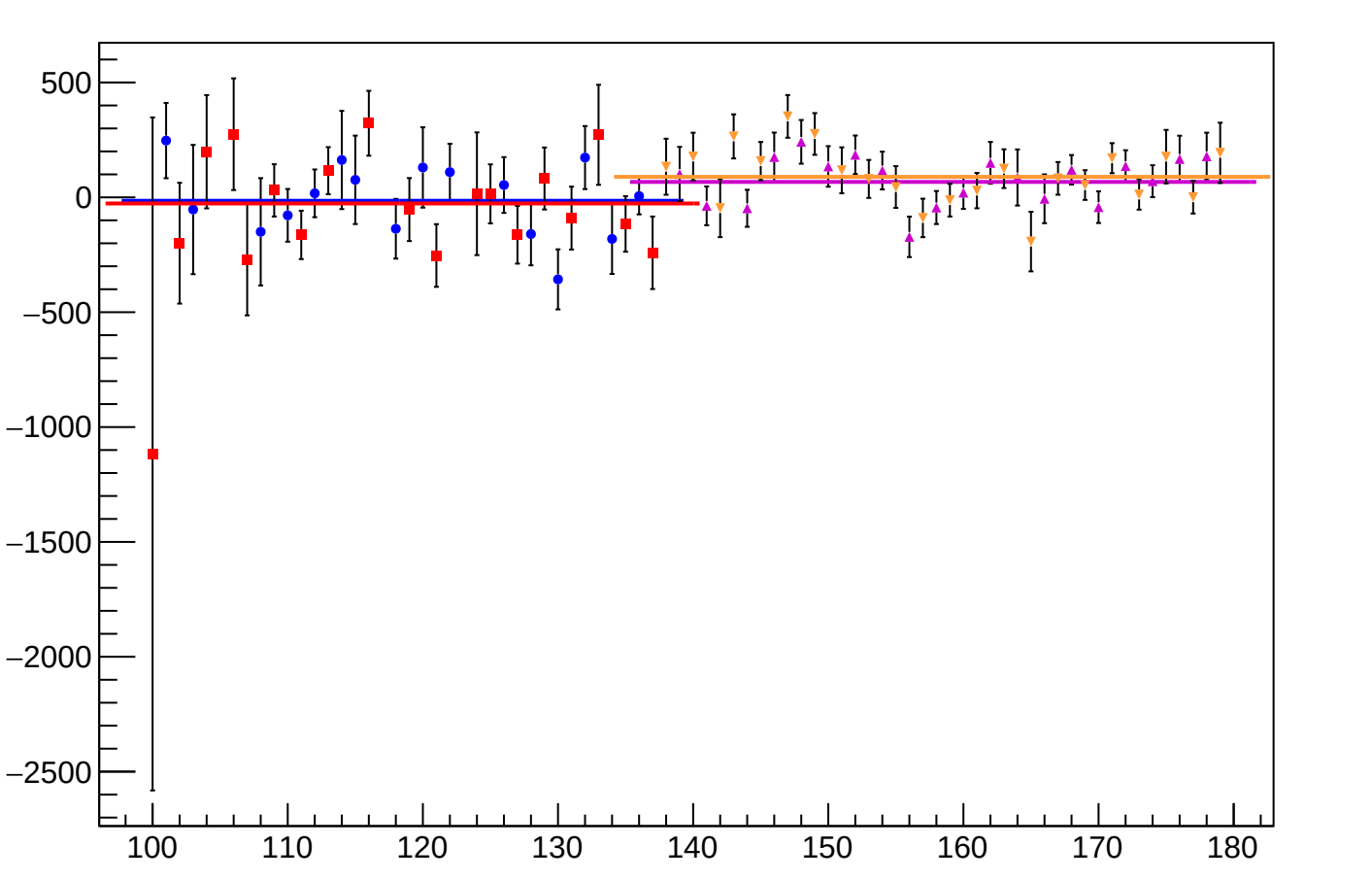
Left: 552.956+/-0.070 χ^2/NDF: 3763152.1/41

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 599.652+/-0.093 χ^2/NDF:4850480.7/35

Out: 610.187+/-0.092 χ^2/NDF:4974928.8/40

All: 604.984+/-0.065 χ^2/NDF: 9831945.2/76



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 67.138+/-18.748 χ^2/NDF:28.9/19

Left: 78.510+/-13.057 χ^2/NDF: 66.3/41

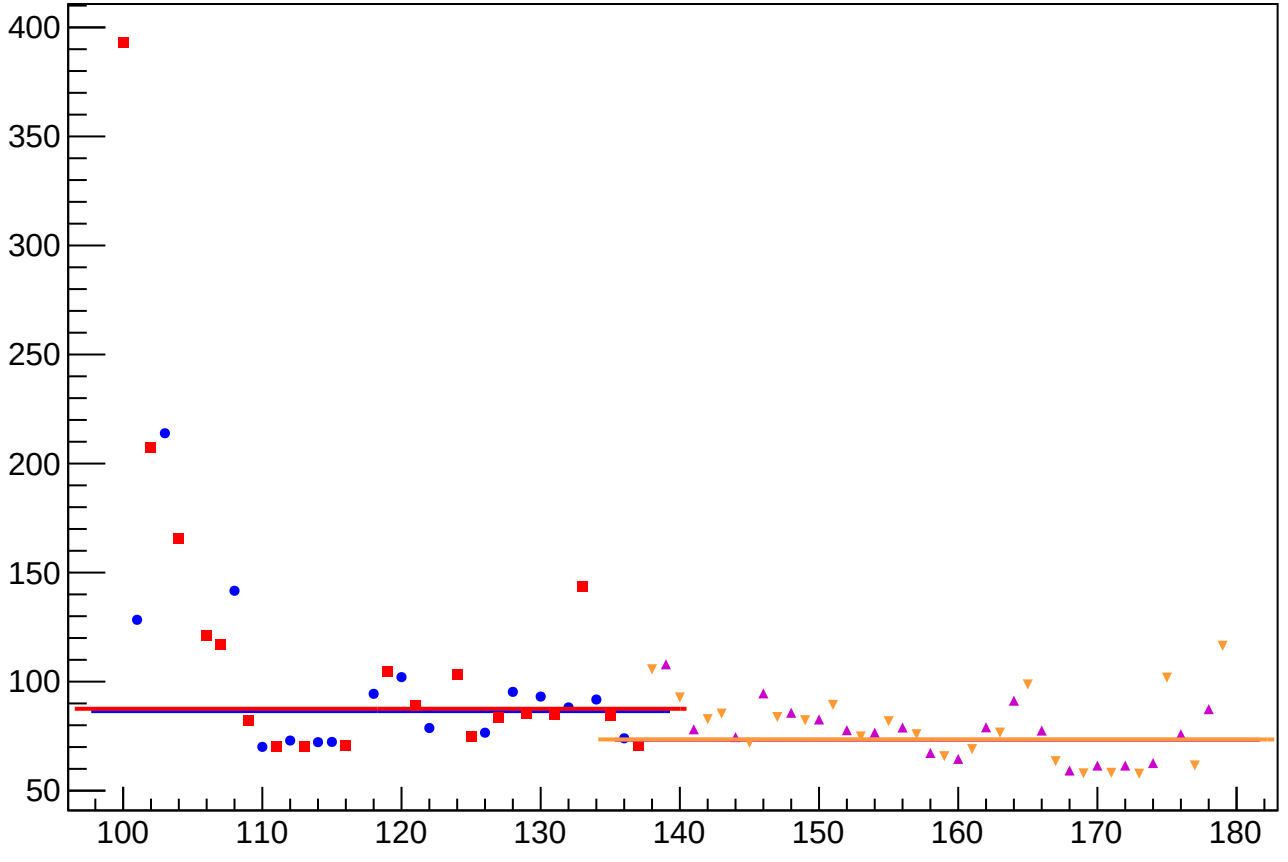
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 47.790+/-16.390 χ^2/NDF:51.7/35

Out: 63.510+/-16.050 χ^2/NDF:69.3/40

All: 55.815+/-11.467 χ^2/NDF: 121.5/76

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 73.489+/-0.013 χ^2/NDF:1238307.4/21

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 73.324+/-0.013 χ^2/NDF:731457.6/19

Left: 73.409+/-0.009 χ^2/NDF: 1969844.7/41

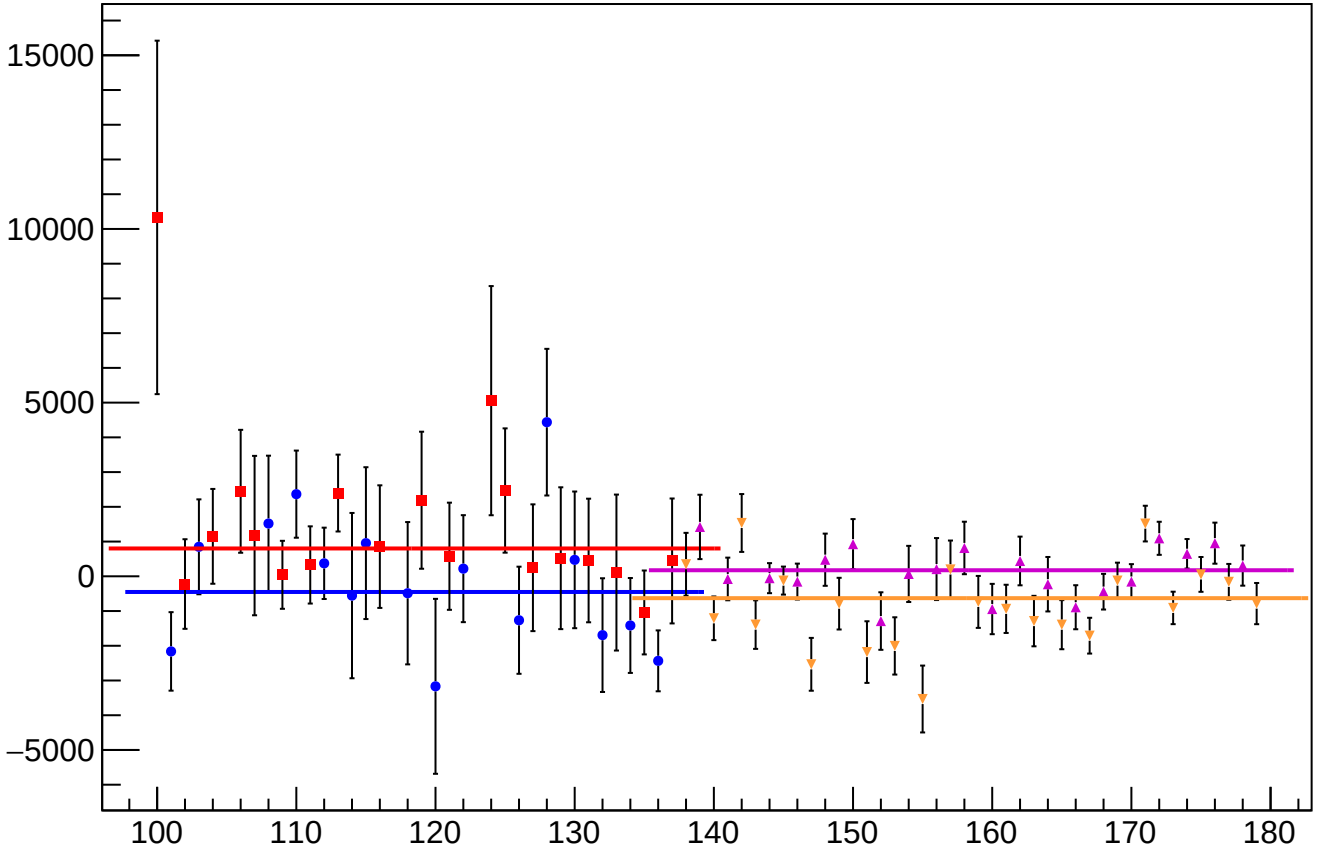
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.427+/-0.012 χ^2/NDF:1820157.7/35

Out: 76.610+/-0.011 χ^2/NDF:2633299.5/40

All: 76.520+/-0.008 χ^2/NDF: 4453584.6/76

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -629.397+/-133.119 χ^2/NDF:61.9/21

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 174.219+/-135.797 χ^2/NDF:22.0/19

Left: -235.590+/-95.062 χ^2/NDF: 101.8/41

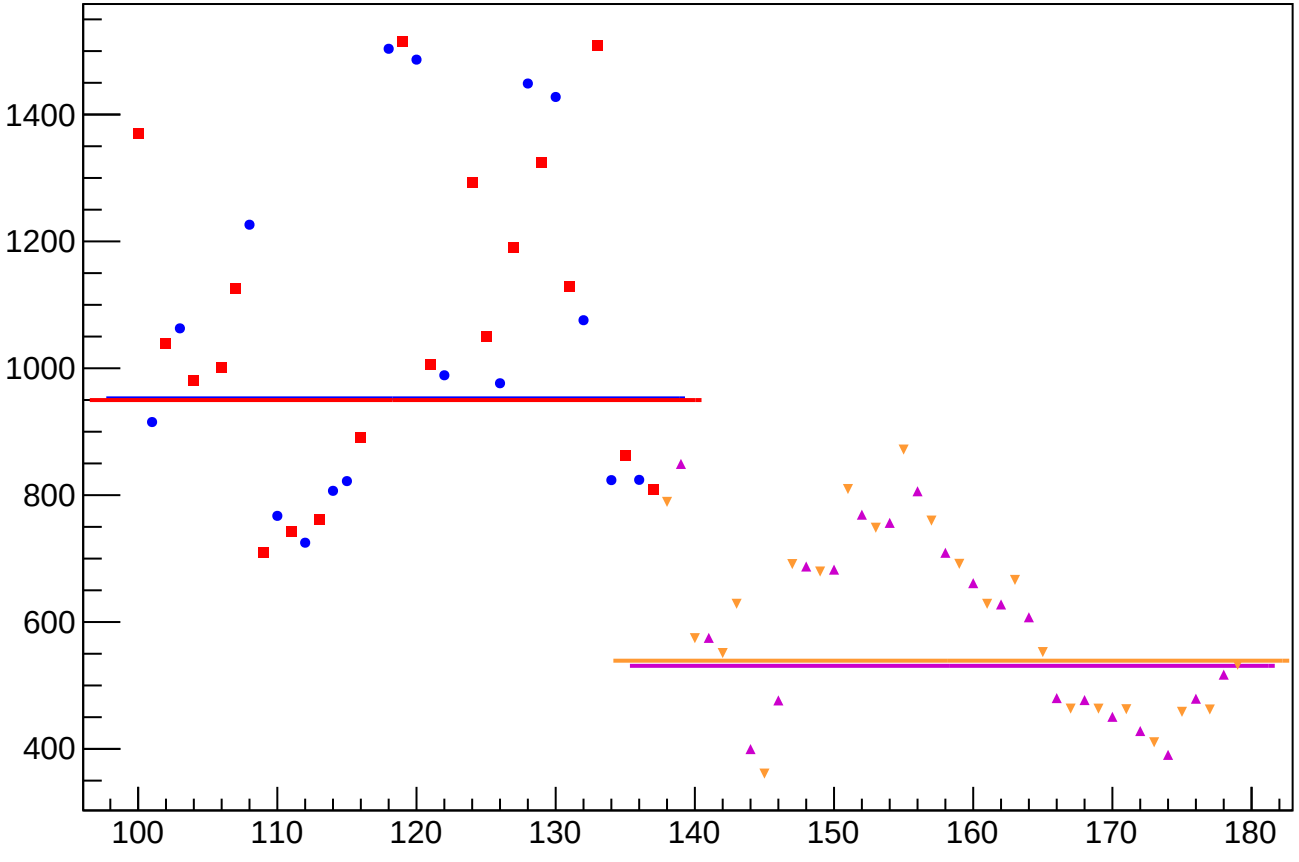
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 98.374+/-127.300 χ^2/NDF:48.3/35

Out: -455.506+/-124.767 χ^2/NDF:89.6/40

All: -184.130+/-89.105 χ^2/NDF: 147.5/76

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 539.053+/-0.094 χ^2/NDF:1986719.0/21

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 530.956+/-0.096 χ^2/NDF:1786840.7/19

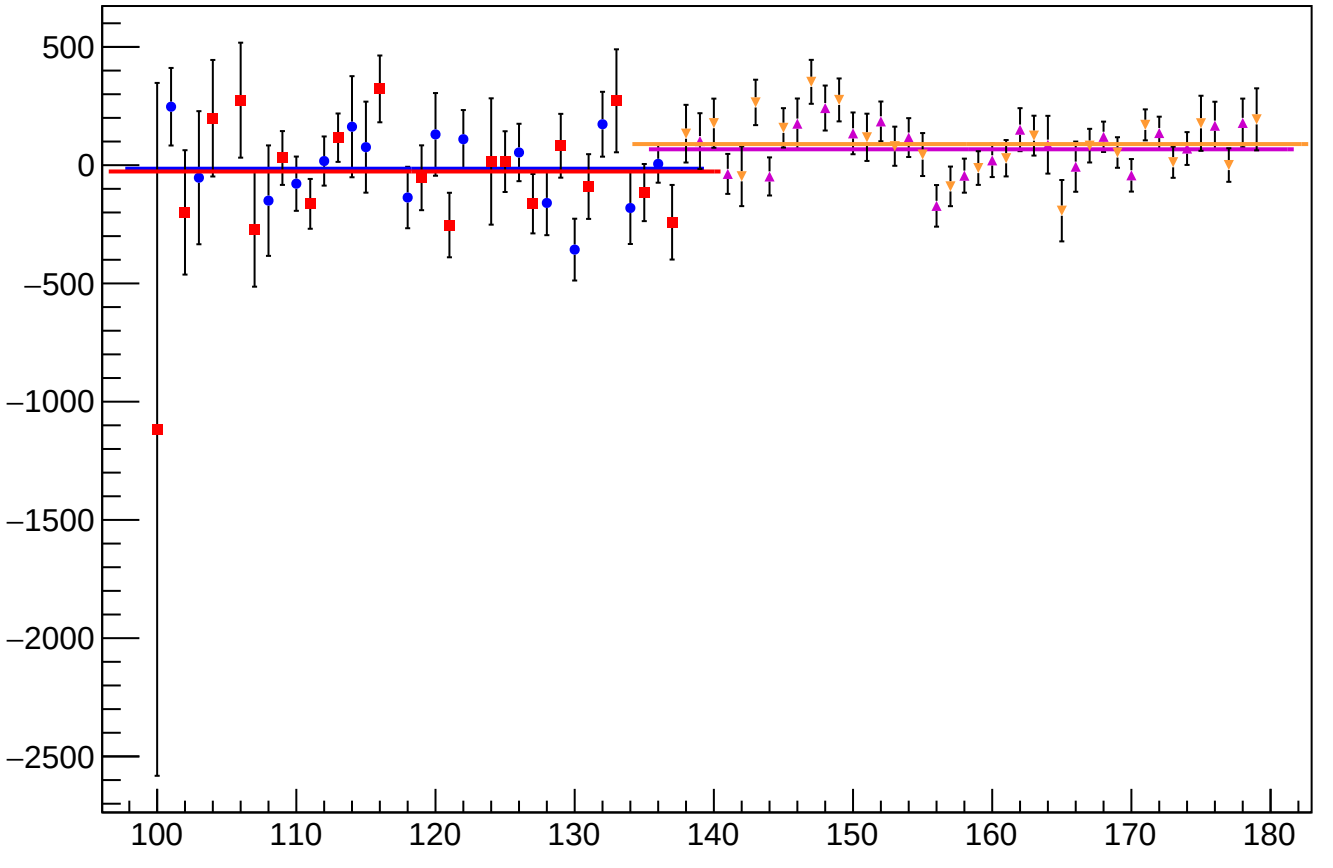
Left: 535.085+/-0.067 χ^2/NDF: 3777185.6/41

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 582.068+/-0.090 χ^2/NDF:4870234.8/35

Out: 588.991+/-0.088 χ^2/NDF:5053909.6/40

All: 585.599+/-0.063 χ^2/NDF: 9927161.1/76



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 89.222+/-18.195 χ^2/NDF:36.7/21

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 67.137+/-18.748 χ^2/NDF:28.9/19

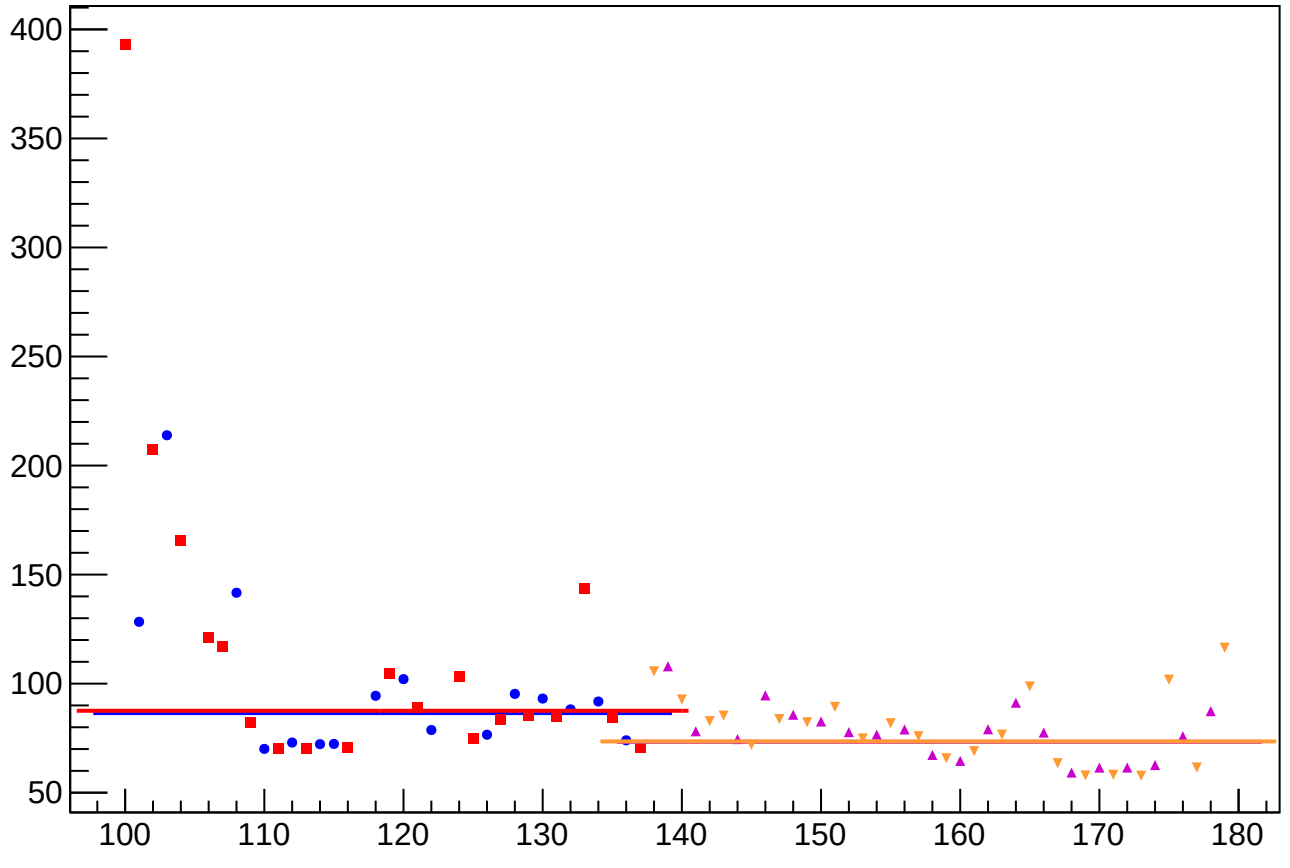
Left: 78.510+/-13.057 χ^2/NDF: 66.3/41

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 47.789+/-16.390 χ^2/NDF:51.7/35

Out: 63.509+/-16.050 χ^2/NDF:69.3/40

All: 55.814+/-11.468 χ^2/NDF: 121.5/76



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 73.489+/-0.013 χ^2/NDF:1238312.8/21

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 73.324+/-0.013 χ^2/NDF:731462.7/19

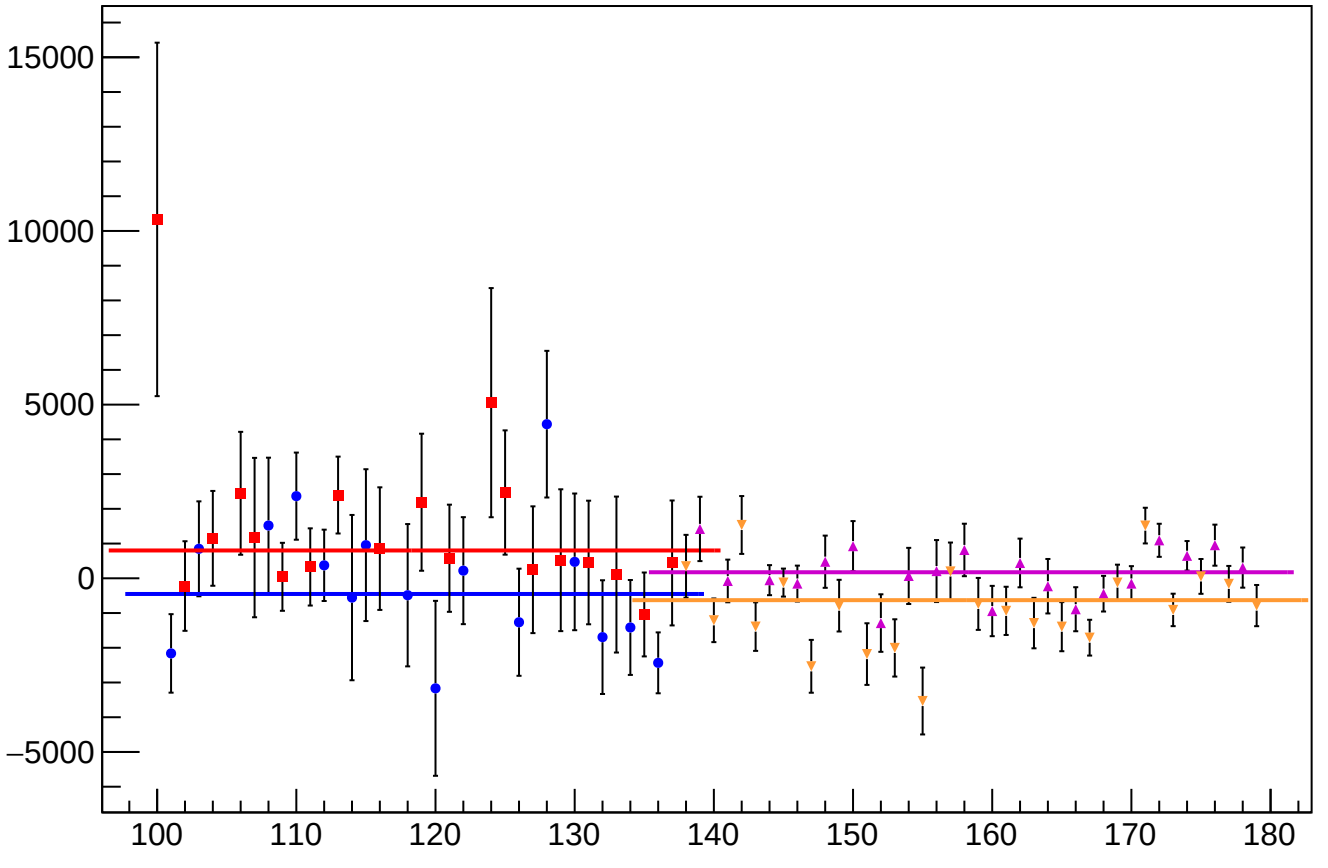
Left: 73.409+/-0.009 χ^2/NDF: 1969855.3/41

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.427+/-0.012 χ^2/NDF:1820157.9/35

Out: 76.610+/-0.011 χ^2/NDF:2633307.7/40

All: 76.521+/-0.008 χ^2/NDF: 4453593.1/76



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -629.398+/-133.119 χ^2/NDF:61.9/21

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 174.218+/-135.797 χ^2/NDF:22.0/19

Left: -235.591+/-95.062 χ^2/NDF: 101.8/41

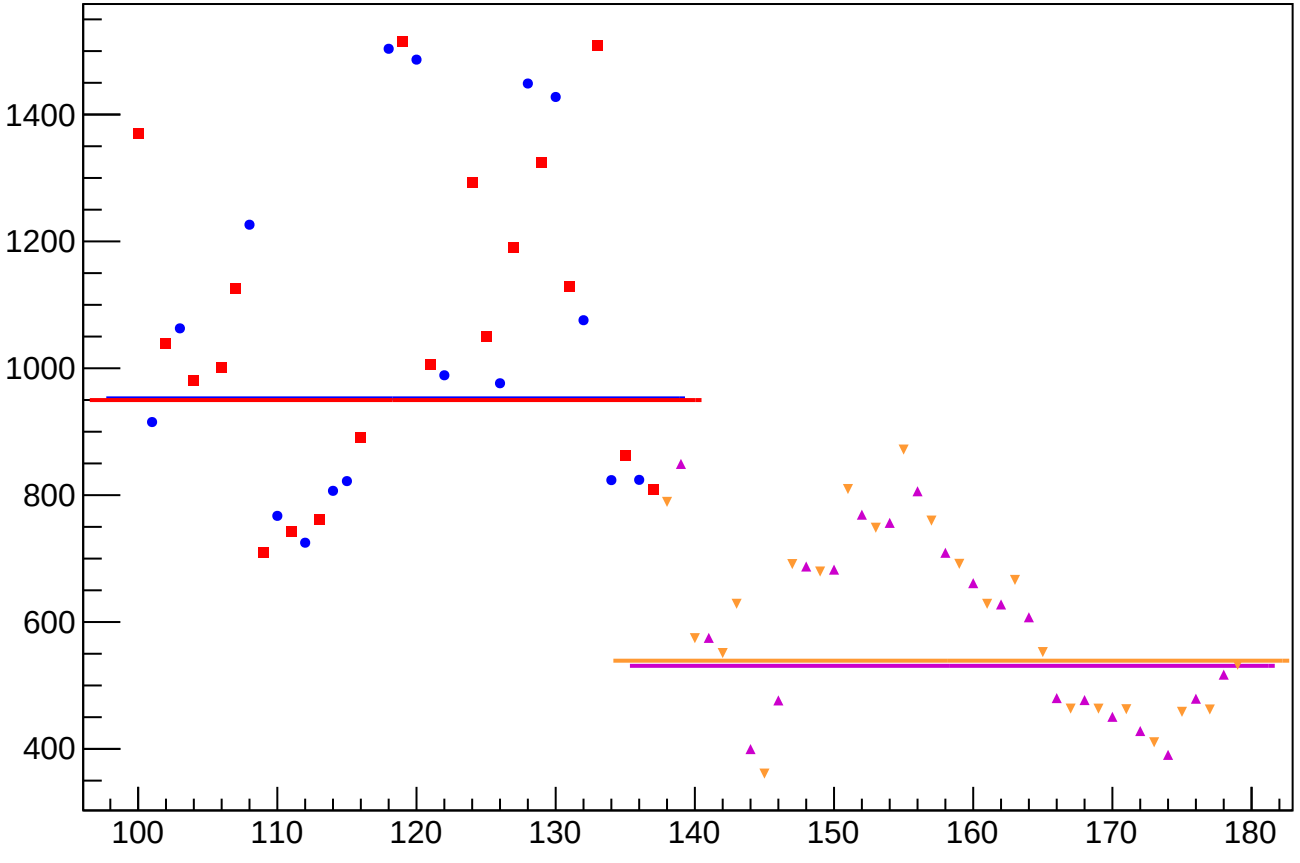
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 98.374+/-127.299 χ^2/NDF:48.3/35

Out: -455.506+/-124.767 χ^2/NDF:89.6/40

All: -184.131+/-89.105 χ^2/NDF: 147.5/76

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.053+/-0.094 χ^2/NDF:1986714.4/21

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 530.956+/-0.096 χ^2/NDF:1786834.9/19

Left: 535.085+/-0.067 χ^2/NDF: 3777175.1/41

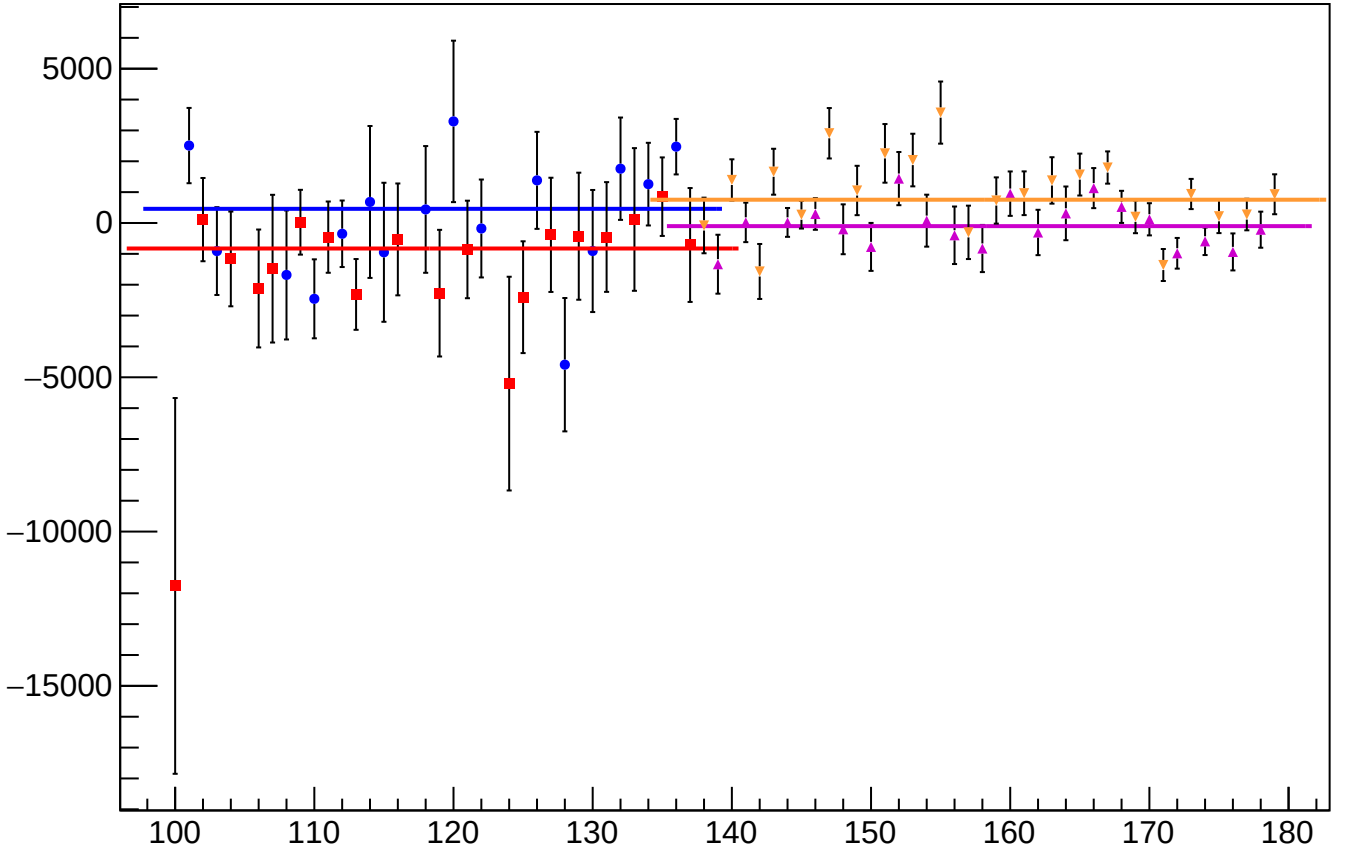
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 582.068+/-0.090 χ^2/NDF:4870222.1/35

Out: 588.991+/-0.088 χ^2/NDF:5053895.8/40

All: 585.599+/-0.063 χ^2/NDF: 9927134.4/76

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 754.350+/-139.021 χ^2/NDF:58.5/21

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -101.620+/-140.910 χ^2/NDF:21.4/19

Left: 332.141+/-98.964 χ^2/NDF: 98.5/41

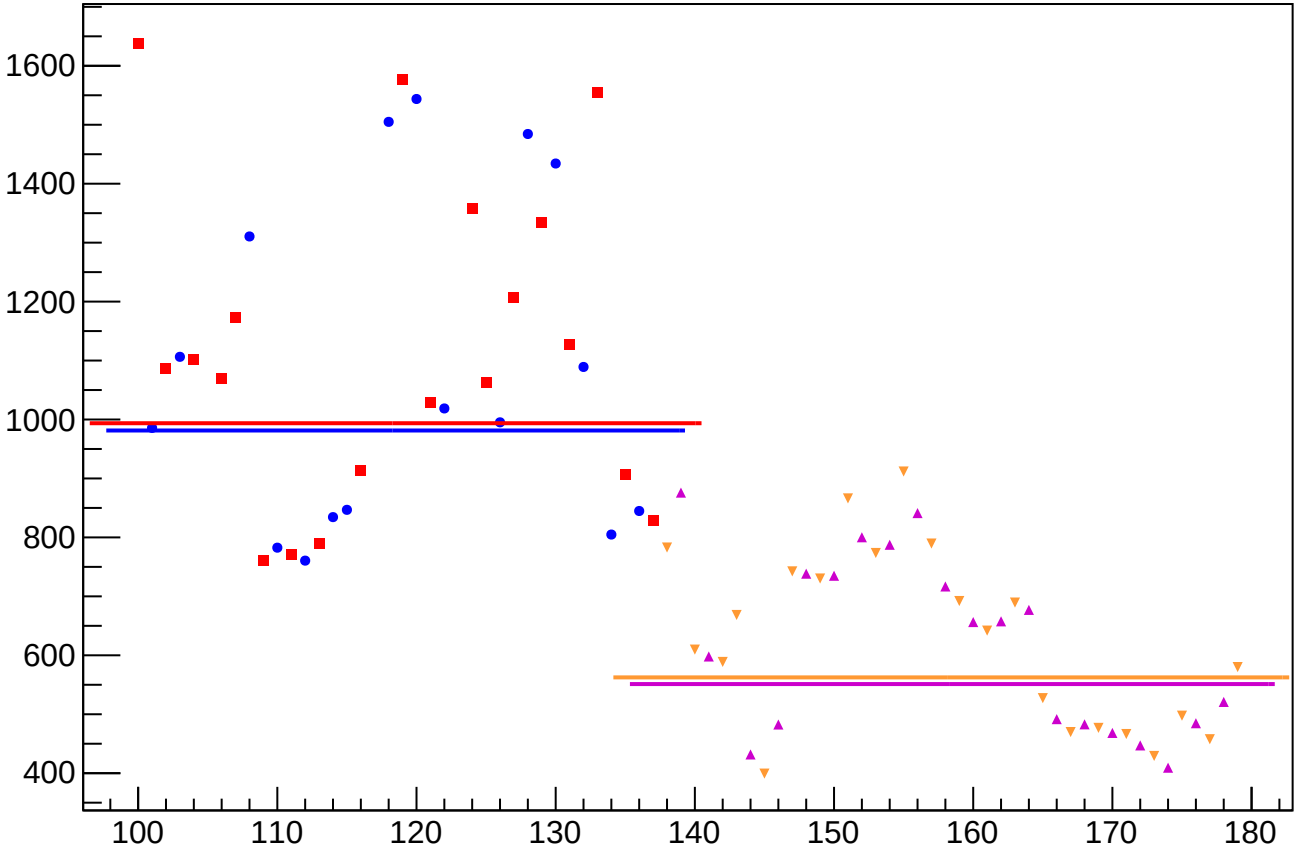
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: -32.844+/-131.986 χ^2/NDF:47.9/35

Out: 562.654+/-130.320 χ^2/NDF:85.8/40

All: 268.688+/-92.734 χ^2/NDF: 144.0/76

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 562.530+/-0.098 χ^2/NDF:1919224.1/21

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 551.212+/-0.100 χ^2/NDF:1788414.2/19

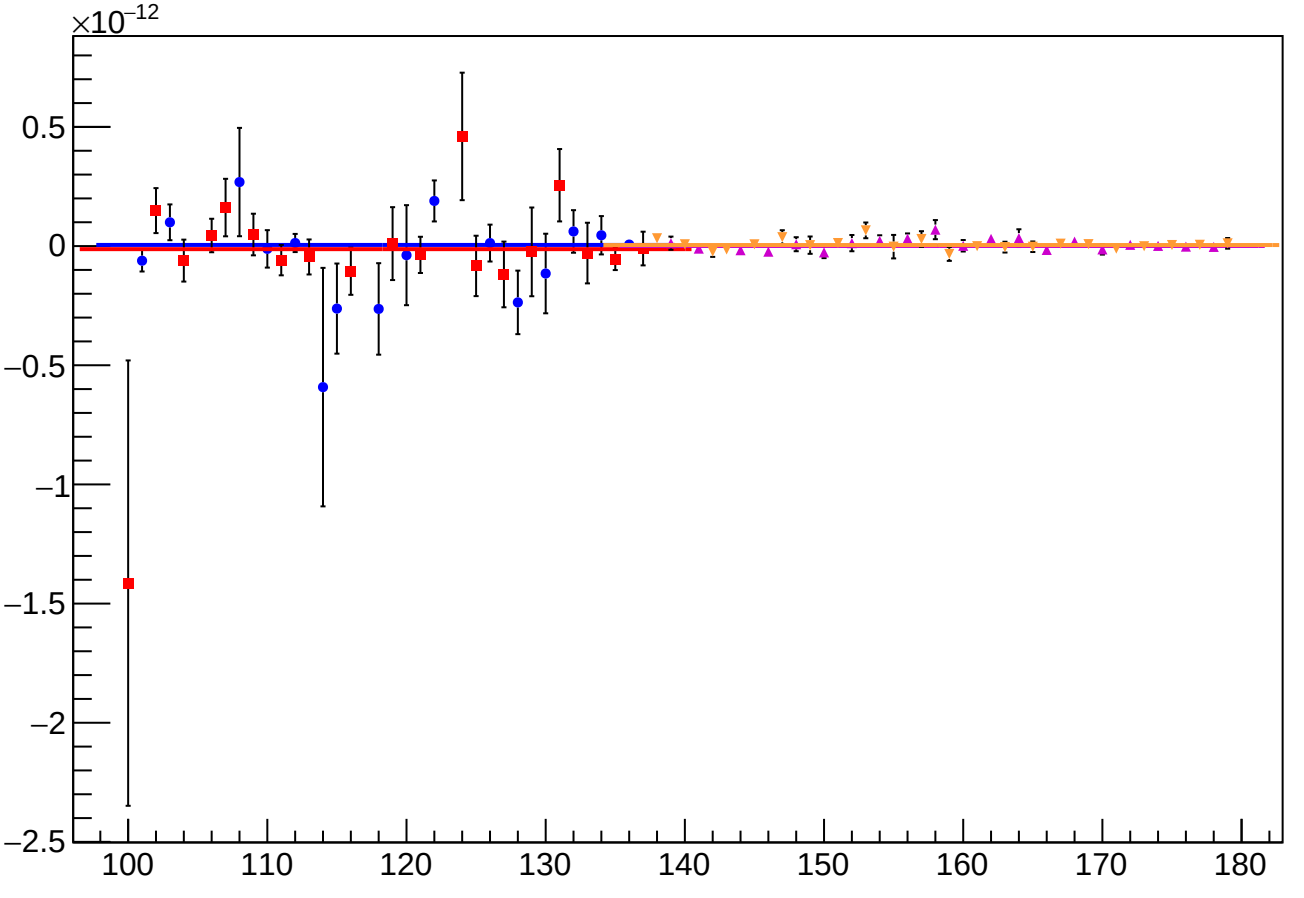
Left: 556.947+/-0.070 χ^2/NDF: 3714176.0/41

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 603.968+/-0.093 χ^2/NDF:4811775.0/35

Out: 614.811+/-0.092 χ^2/NDF:4971665.9/40

All: 609.458+/-0.066 χ^2/NDF: 9790274.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/19

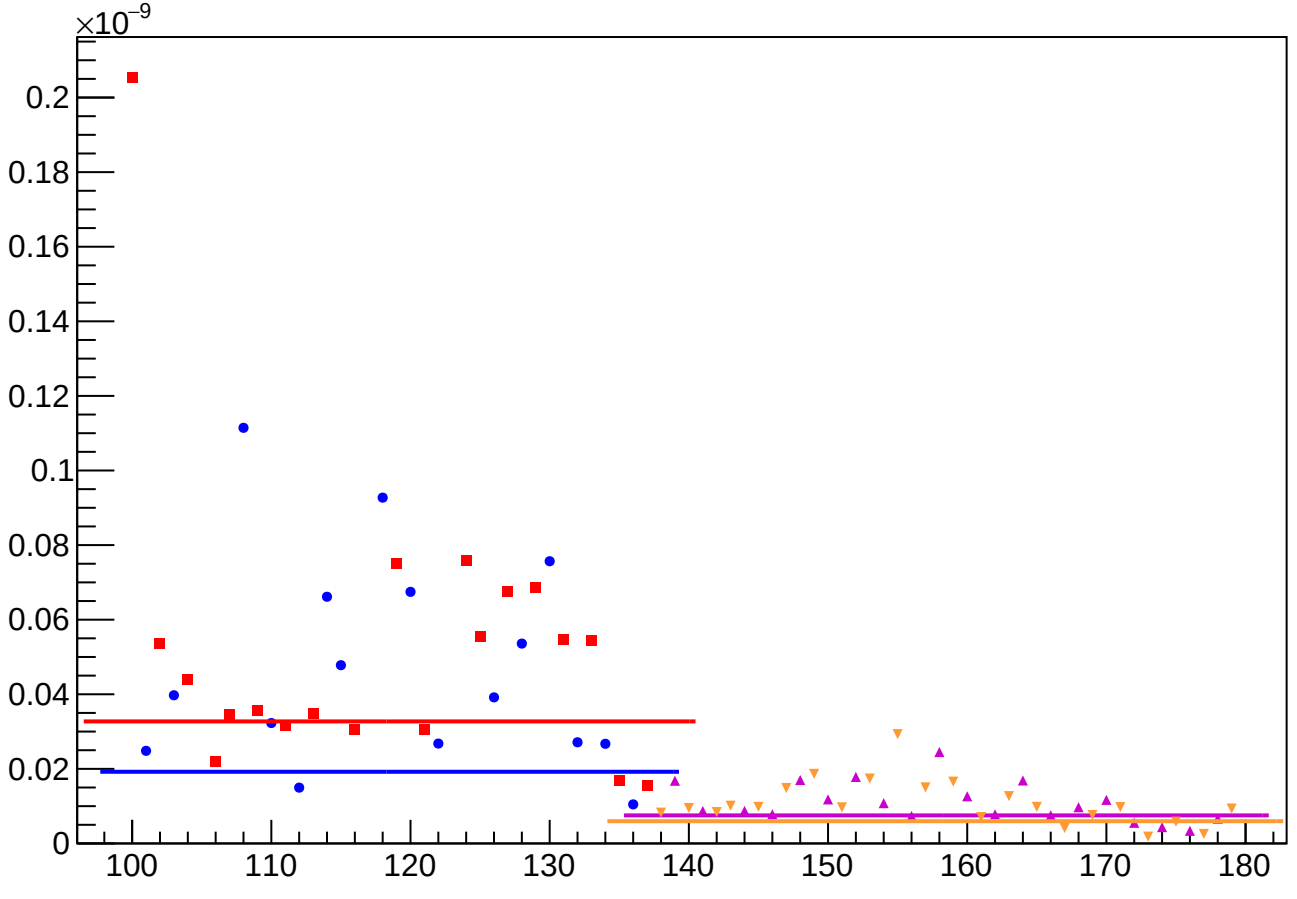
Left: 0.000+/-0.000 χ^2/NDF: 33.4/41

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:33.5/40

All: 0.000+/-0.000 χ^2/NDF: 72.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3559207.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2099306.2/19

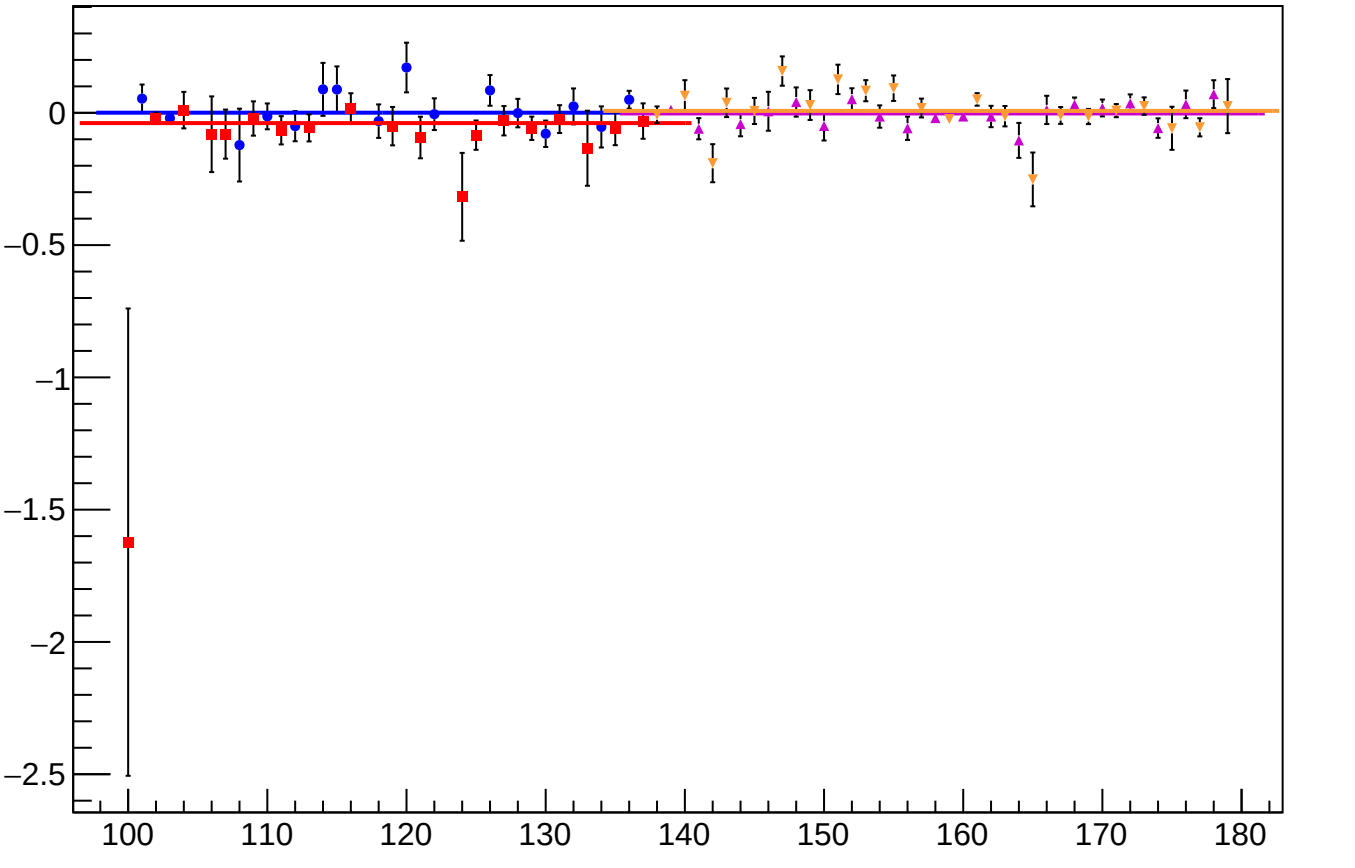
Left: 0.000+/-0.000 χ^2/NDF: 5860242.7/41

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:5306017.1/35

Out: 0.000+/-0.000 χ^2/NDF:7994489.4/40

All: 0.000+/-0.000 χ^2/NDF: 13553733.5/76



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/41

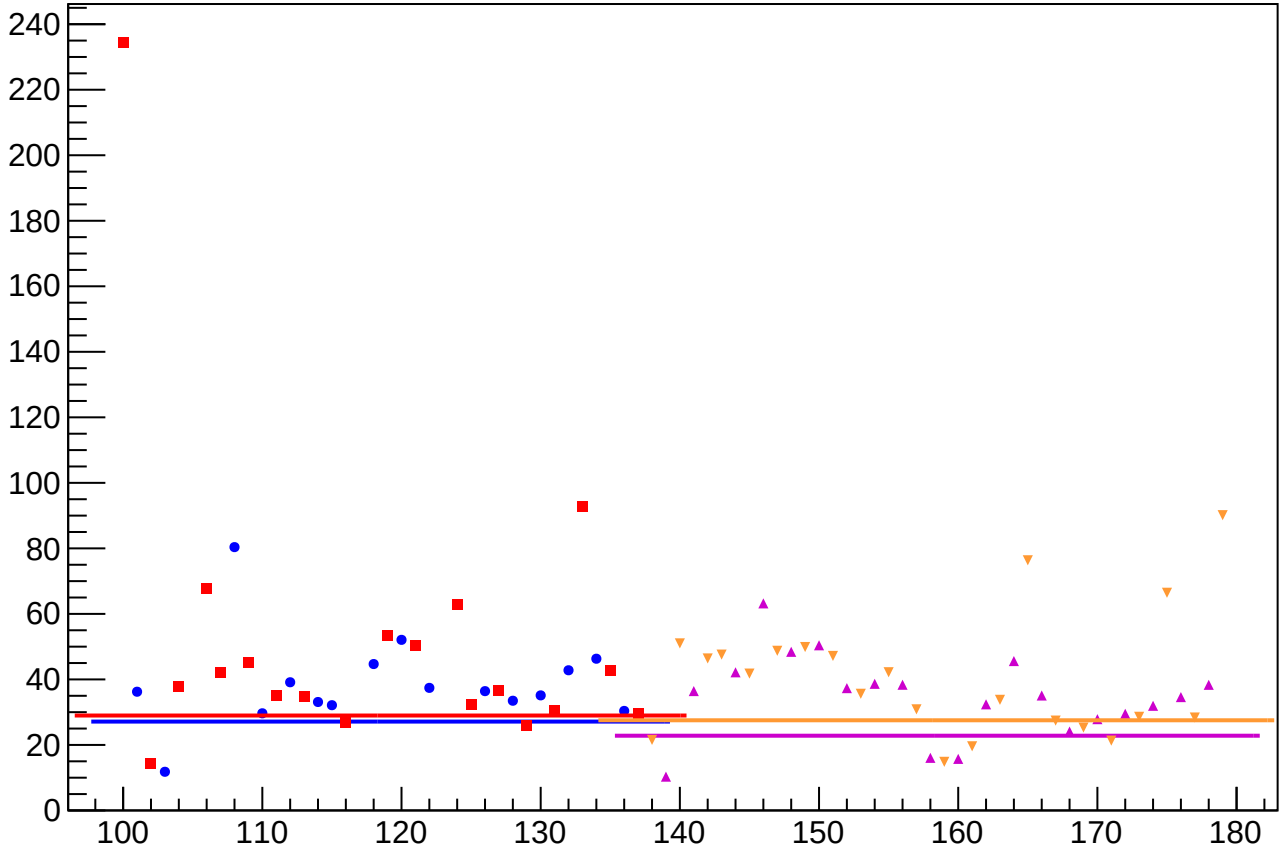
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 104.7/76

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.525+/-0.005 χ^2/NDF:5385288.9/21

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.816+/-0.005 χ^2/NDF:6212712.3/19

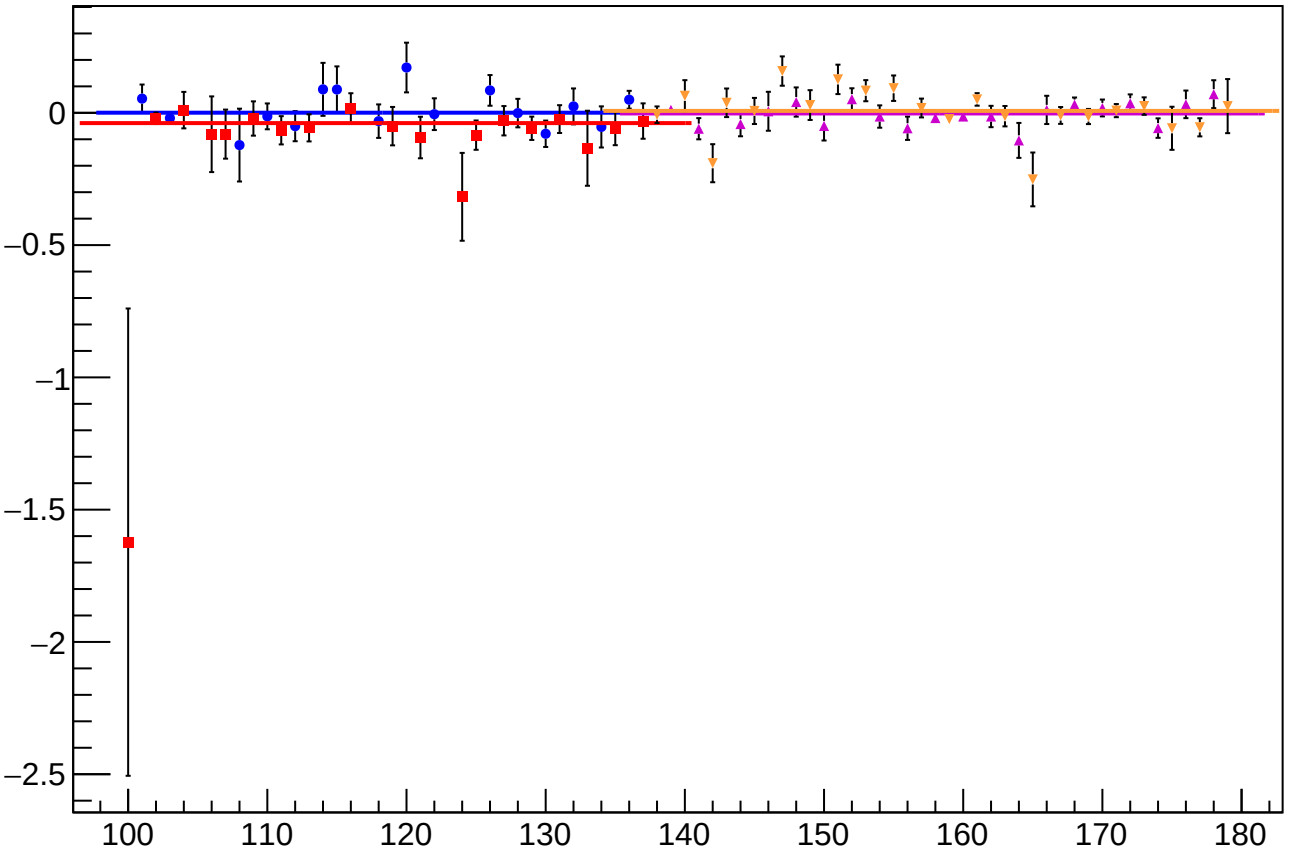
Left: 24.915+/-0.004 χ^2/NDF: 12019392.6/41

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.871+/-0.004 χ^2/NDF:8822028.0/35

Out: 27.914+/-0.005 χ^2/NDF:7860942.6/40

All: 25.704+/-0.003 χ^2/NDF: 17101240.5/76



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/41

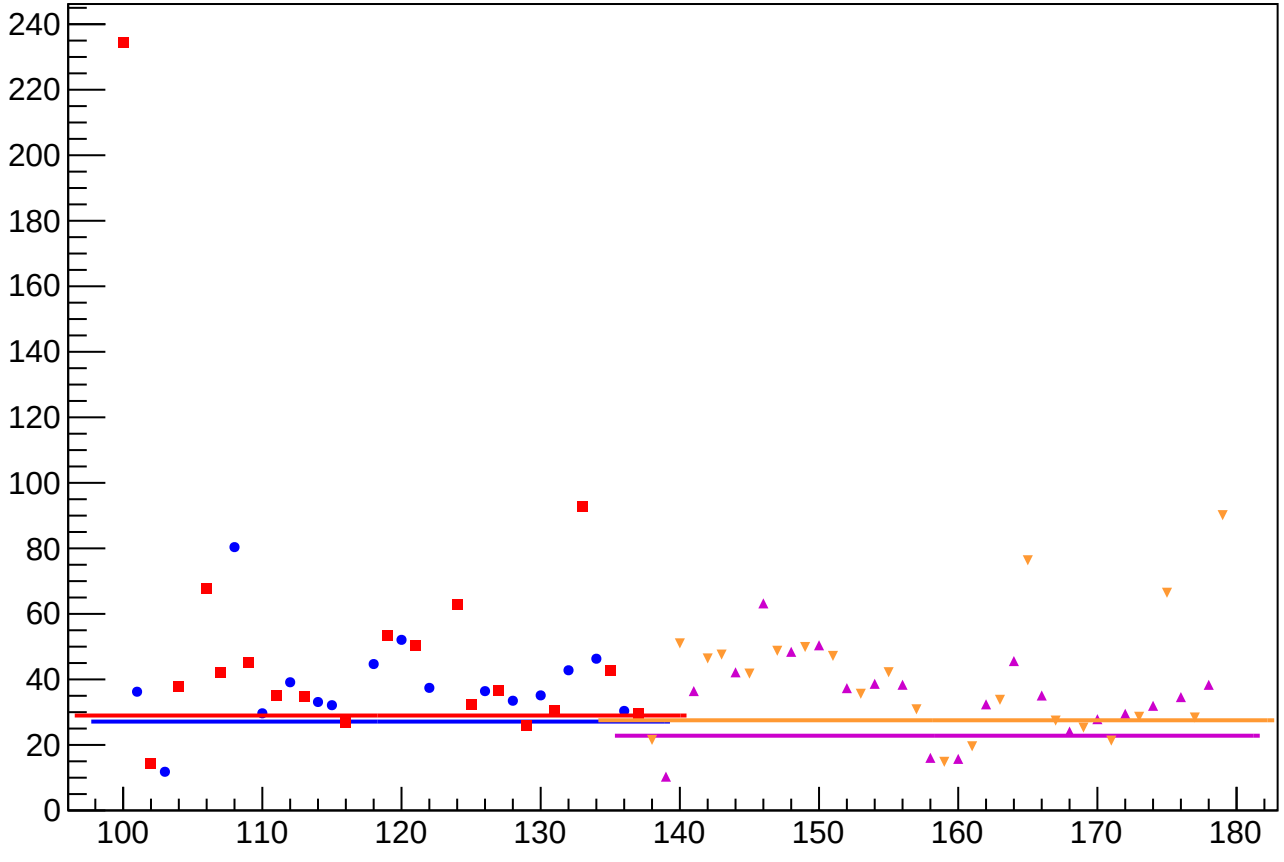
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 104.7/76

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.525+/-0.005 χ^2/NDF:5385288.9/21

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.816+/-0.005 χ^2/NDF:6212712.3/19

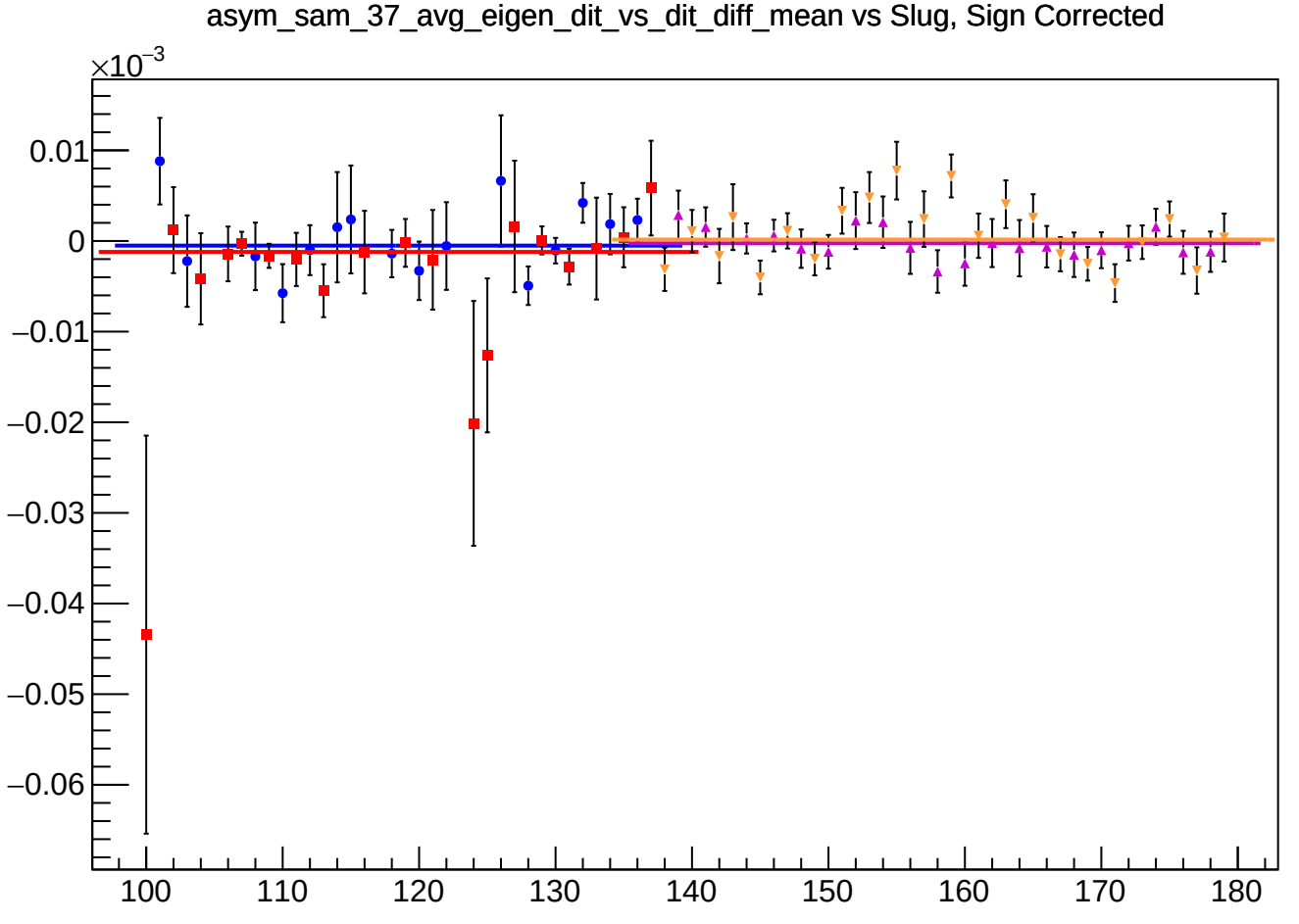
Left: 24.915+/-0.004 χ^2/NDF: 12019392.6/41

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.871+/-0.004 χ^2/NDF:8822028.0/35

Out: 27.914+/-0.005 χ^2/NDF:7860942.6/40

All: 25.704+/-0.003 χ^2/NDF: 17101240.5/76



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/19

Left: -0.000+/-0.000 χ^2/NDF: 51.9/41

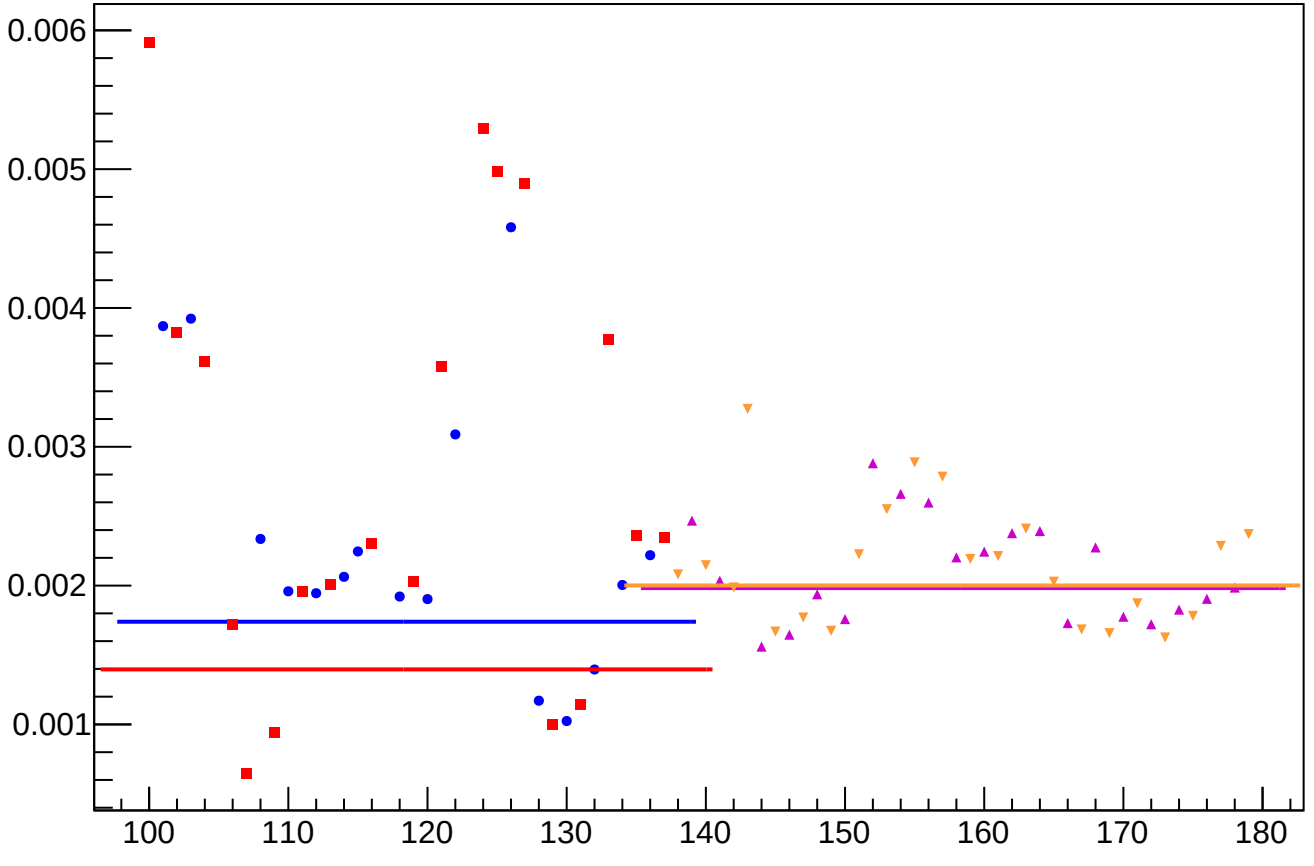
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:28.3/35

Out: -0.000+/-0.000 χ^2/NDF:60.9/40

All: -0.000+/-0.000 χ^2/NDF: 89.2/76

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1170347.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:915256.0/19

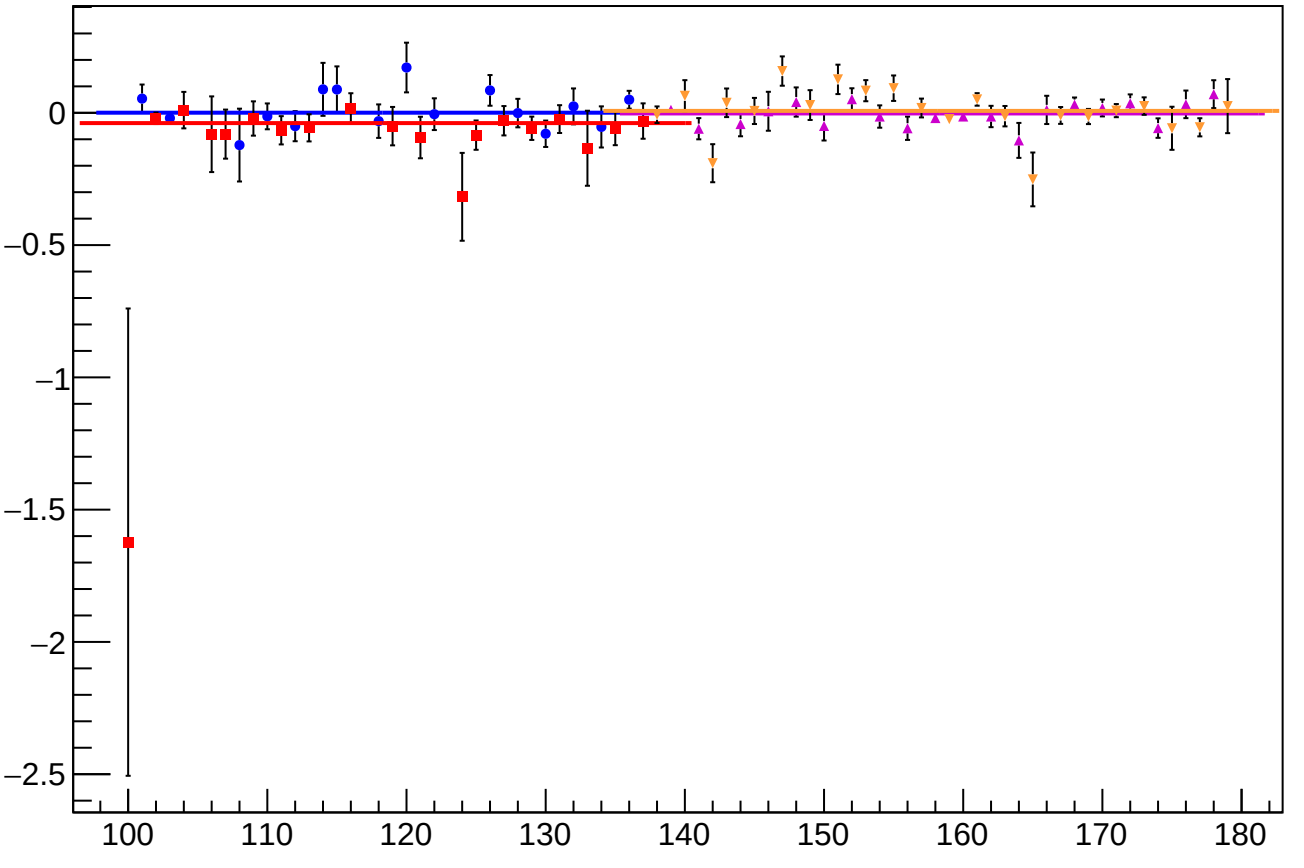
Left: 0.002+/-0.000 χ^2/NDF: 2087059.8/41

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3216066.3/35

Out: 0.002+/-0.000 χ^2/NDF:6685286.4/40

All: 0.002+/-0.000 χ^2/NDF: 10022184.2/76



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/41

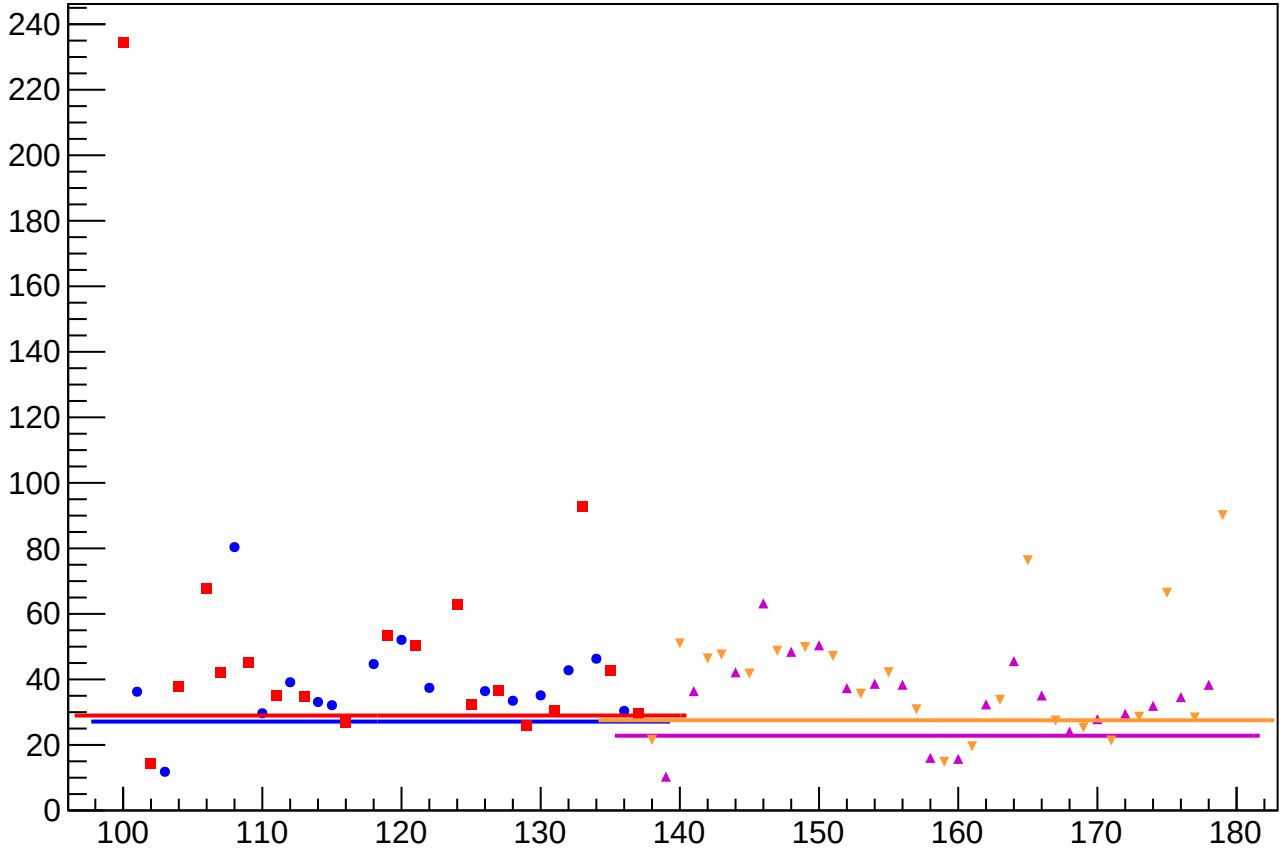
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 104.7/76

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.524+/-0.005 χ^2/NDF:5385725.0/21

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.815+/-0.005 χ^2/NDF:6213697.6/19

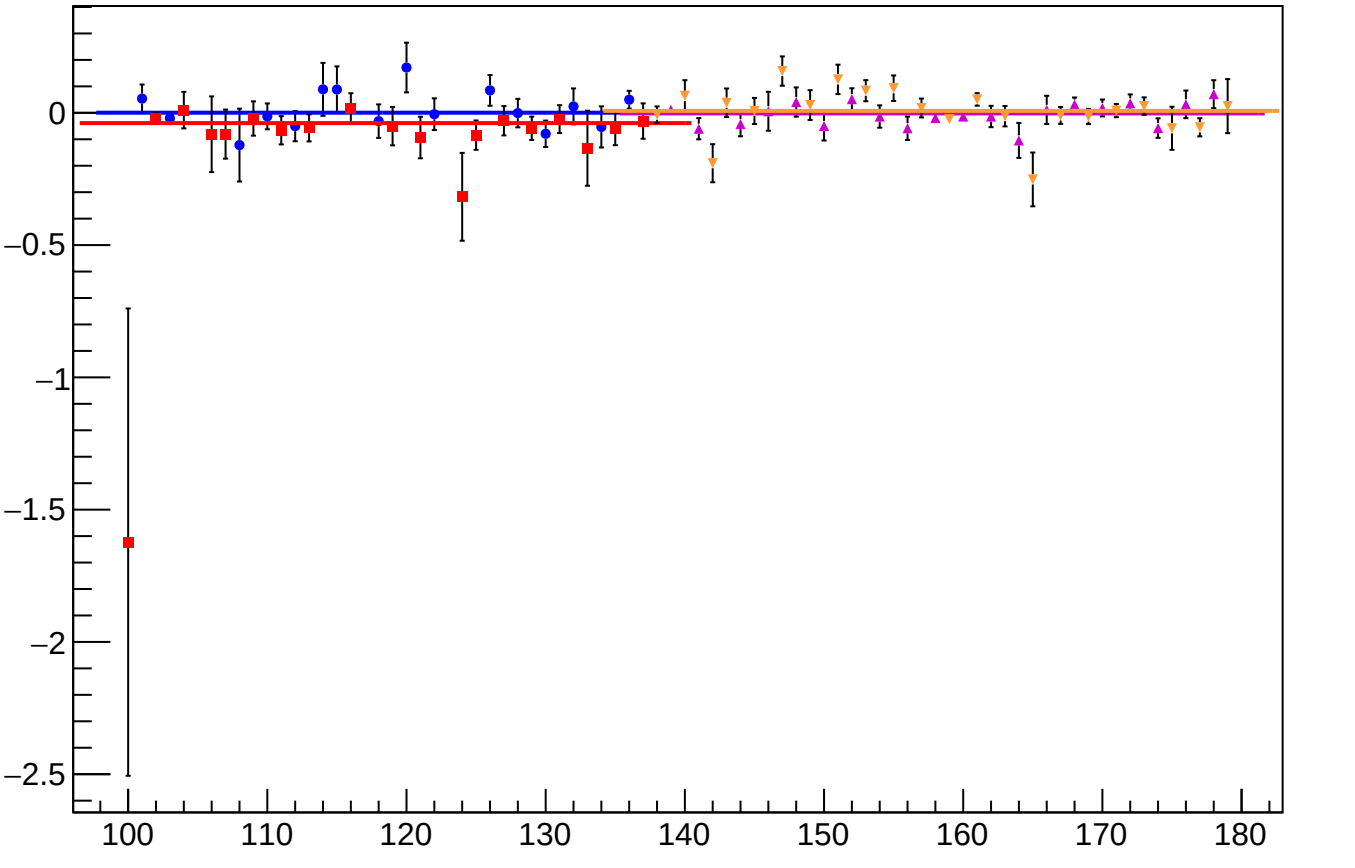
Left: 24.914+/-0.004 χ^2/NDF: 12020959.9/41

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.870+/-0.004 χ^2/NDF:8823385.7/35

Out: 27.914+/-0.005 χ^2/NDF:7860863.9/40

All: 25.703+/-0.003 χ^2/NDF: 17102826.6/76



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.9/21

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/41

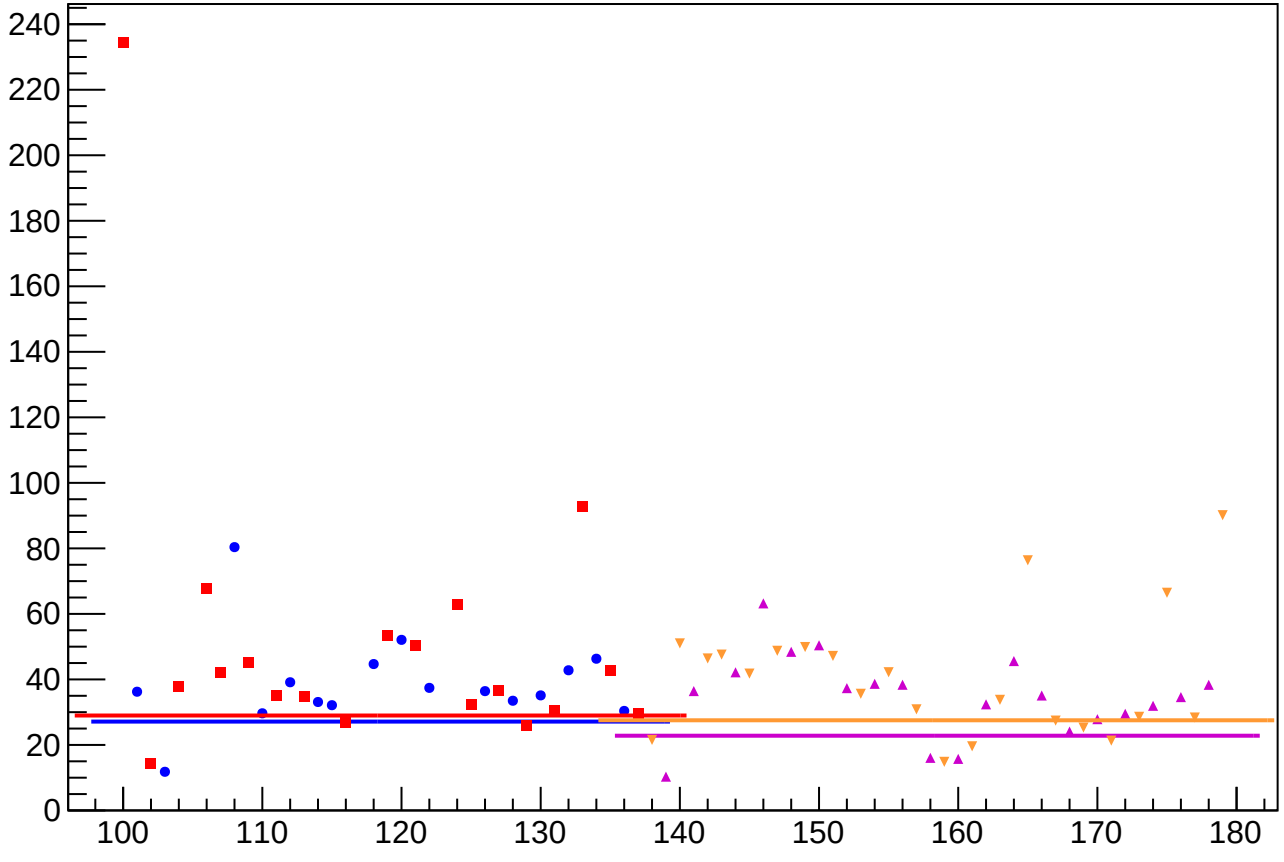
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.7/40

All: -0.003+/-0.004 χ^2/NDF: 104.7/76

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.524+/-0.005 χ^2/NDF:5385725.0/21

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.815+/-0.005 χ^2/NDF:6213697.6/19

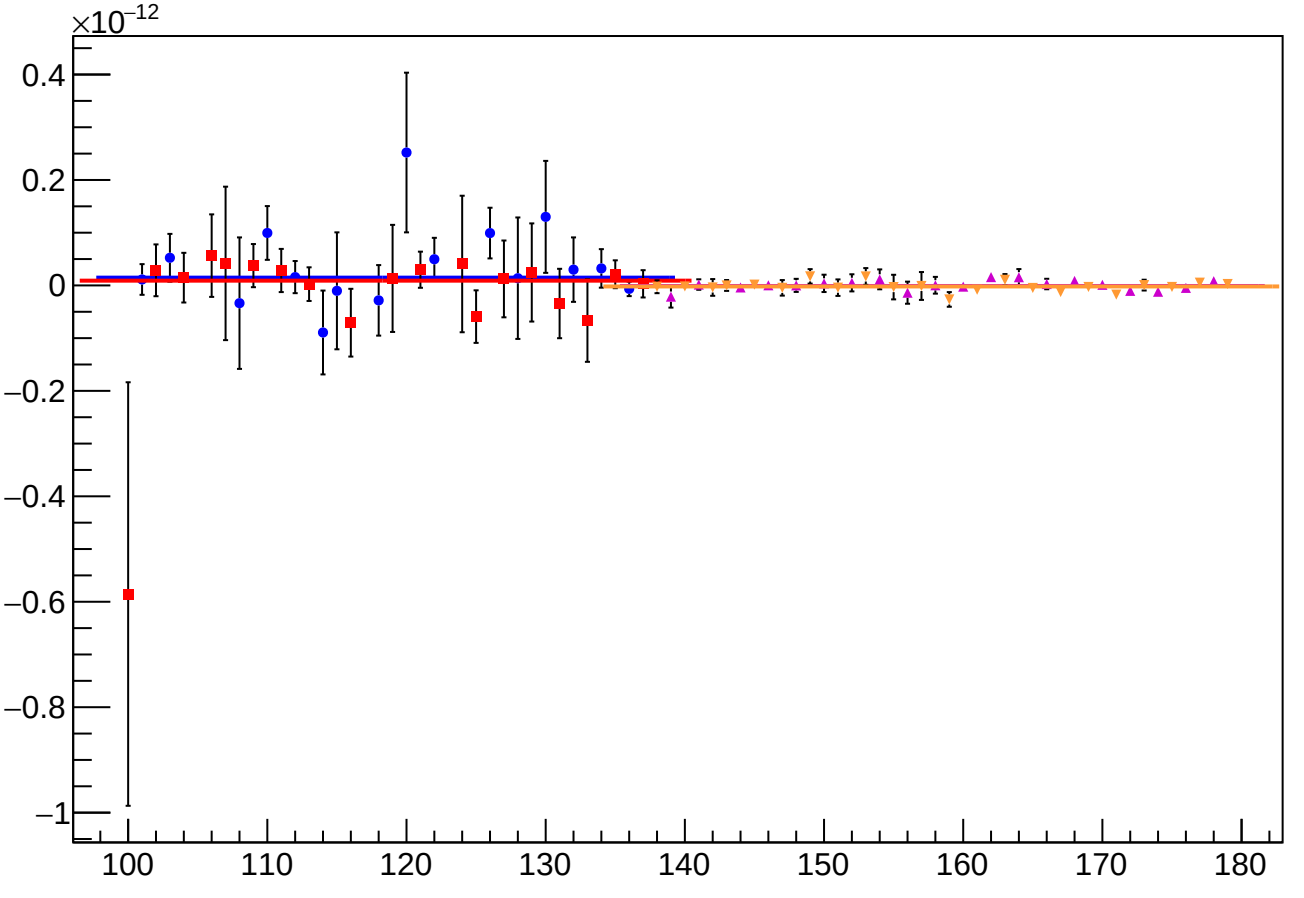
Left: 24.914+/-0.004 χ^2/NDF: 12020959.9/41

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.870+/-0.004 χ^2/NDF:8823385.7/35

Out: 27.914+/-0.005 χ^2/NDF:7860863.9/40

All: 25.703+/-0.003 χ^2/NDF: 17102826.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/19

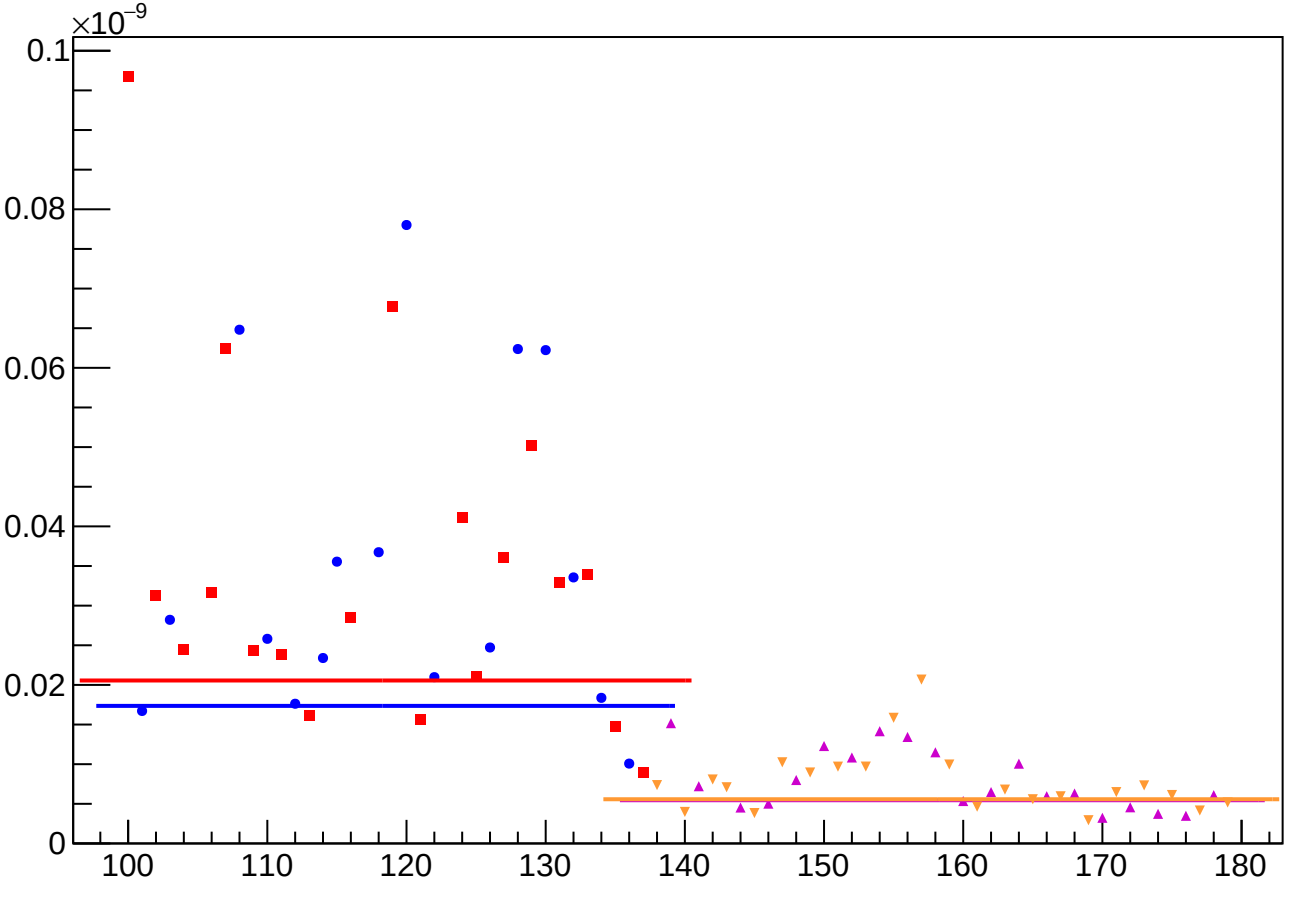
Left: -0.000+/-0.000 χ^2/NDF: 30.6/41

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:33.7/35

Out: -0.000+/-0.000 χ^2/NDF:25.4/40

All: -0.000+/-0.000 χ^2/NDF: 59.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2937026.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3185294.9/19

Left: 0.000+/-0.000 χ^2/NDF: 6126221.1/41

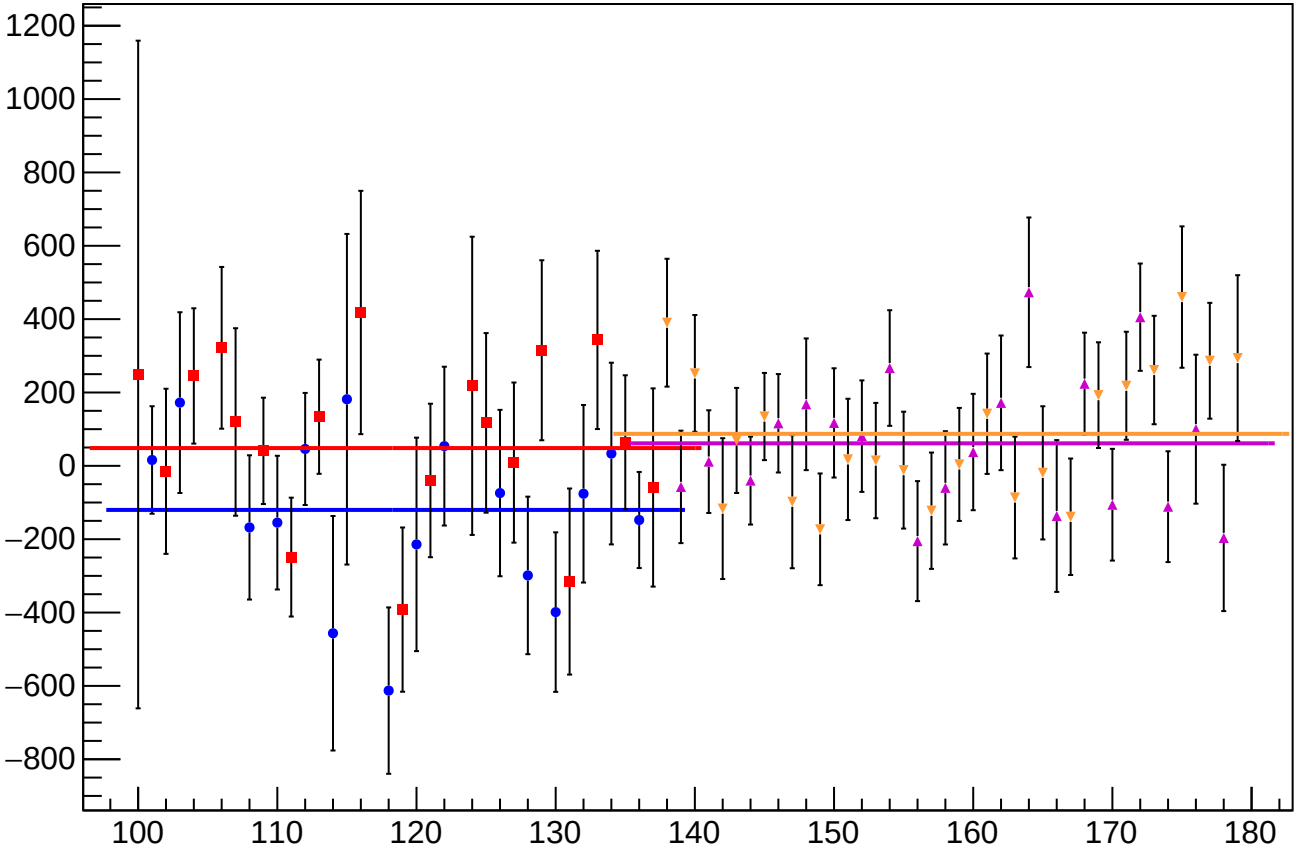
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:8662616.0/35

Out: 0.000+/-0.000 χ^2/NDF:8569651.1/40

All: 0.000+/-0.000 χ^2/NDF: 17234430.9/76

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.272+/-34.083 χ^2/NDF:24.6/21

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 61.415+/-35.161 χ^2/NDF:23.6/19

Left: 74.746+/-24.473 χ^2/NDF: 48.5/41

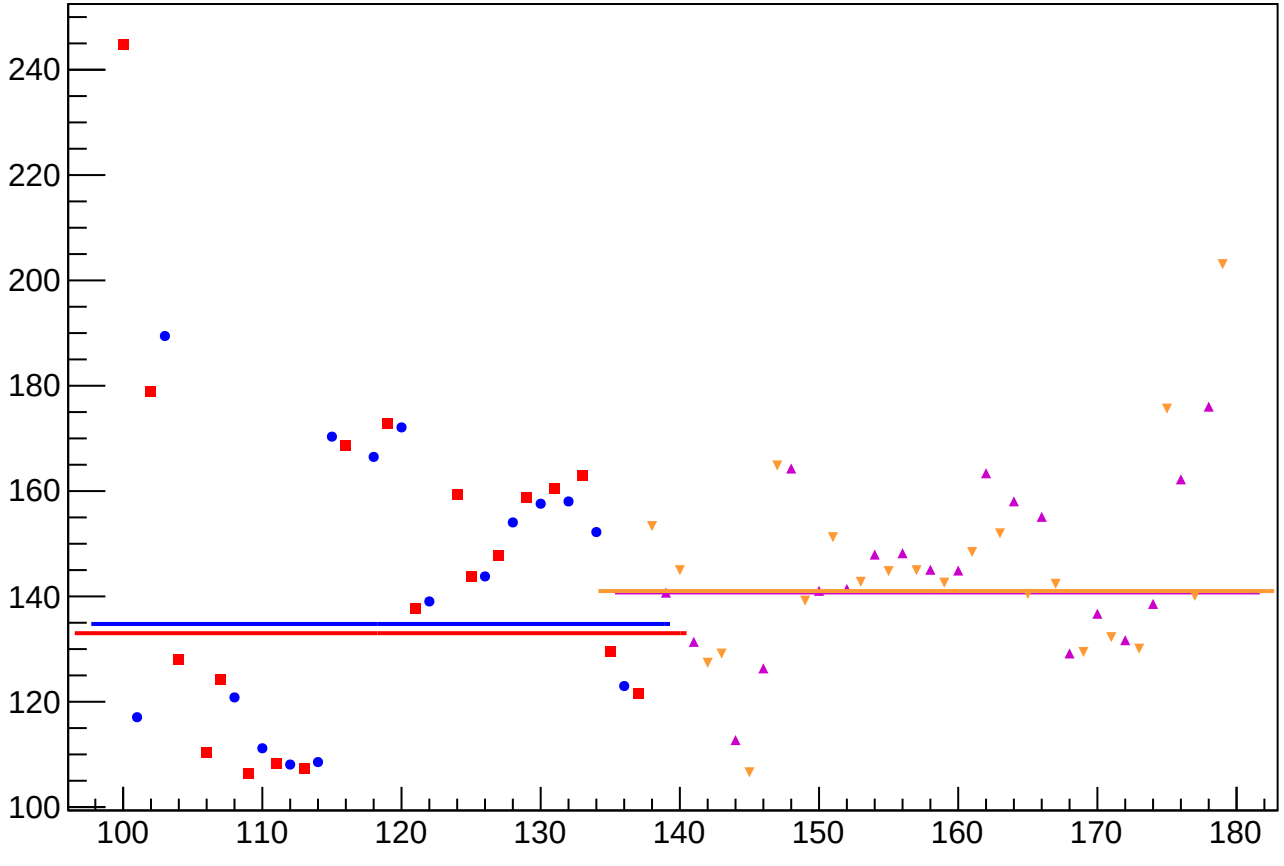
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 3.075+/-28.967 χ^2/NDF:45.6/35

Out: 74.925+/-28.146 χ^2/NDF:42.1/40

All: 40.032+/-20.186 χ^2/NDF: 90.8/76

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

Left: 140.891+/-0.017 χ^2/NDF: 856885.2/41

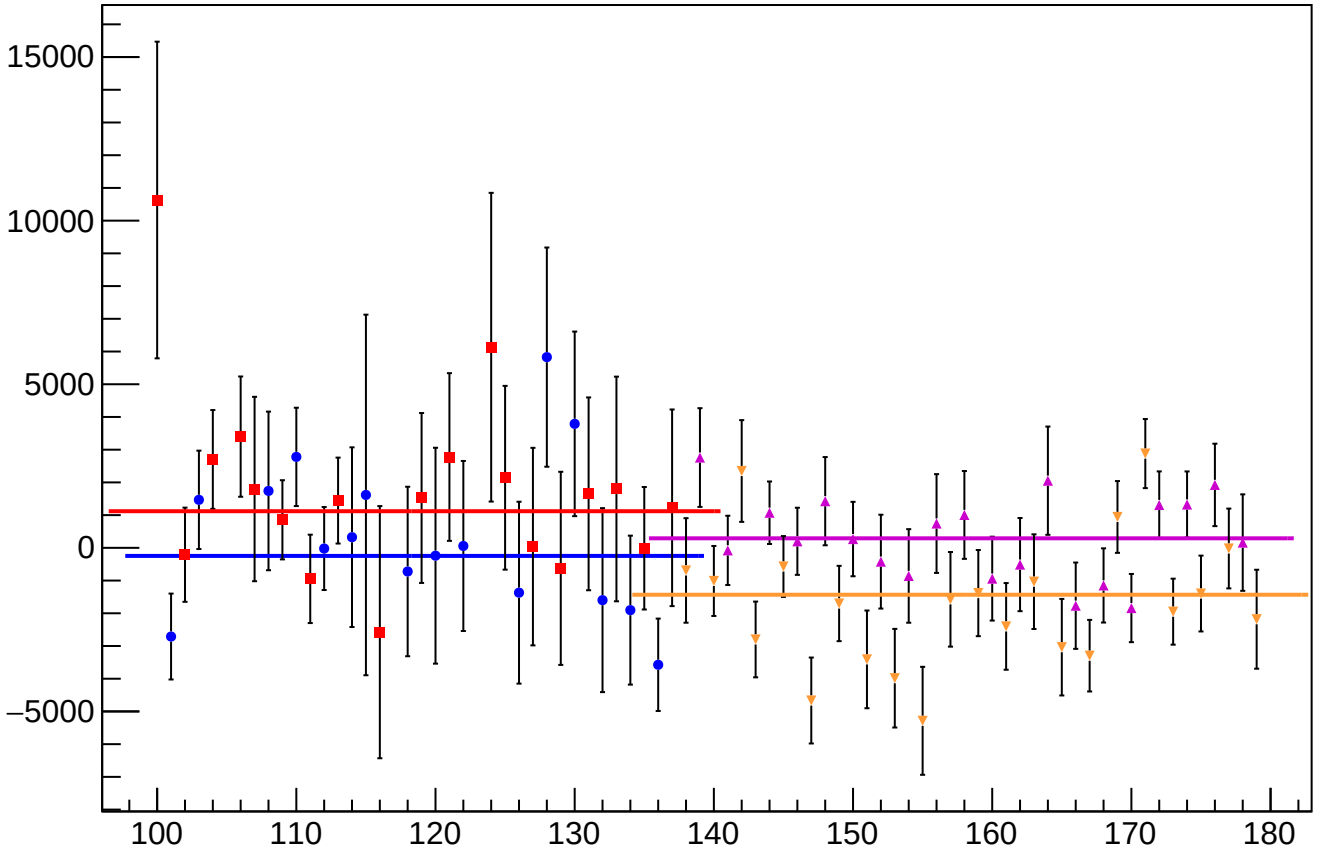
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 138.832+/-0.020 χ^2/NDF:784899.4/35

Out: 138.475+/-0.020 χ^2/NDF:1038066.8/40

All: 138.648+/-0.014 χ^2/NDF: 1823122.8/76

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1433.494+/-265.963 χ^2/NDF:52.7/21

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 291.059+/-272.865 χ^2/NDF:19.8/19

Left: -593.305+/-190.457 χ^2/NDF: 92.9/41

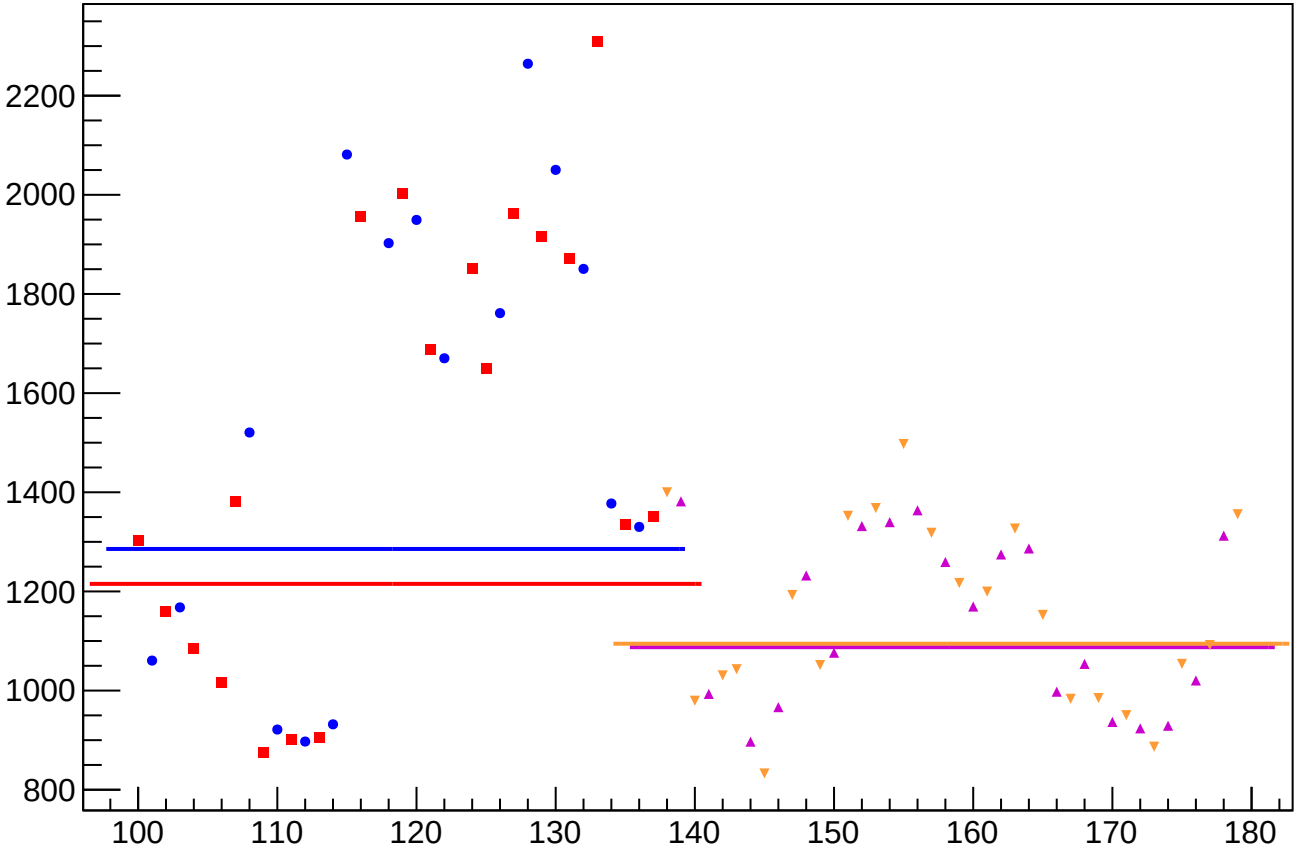
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 168.270+/-239.674 χ^2/NDF:42.3/35

Out: -811.082+/-231.280 χ^2/NDF:88.5/40

All: -338.857+/-166.428 χ^2/NDF: 139.5/76

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1094.550+/-0.188 χ^2/NDF:878327.9/21

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.2/19

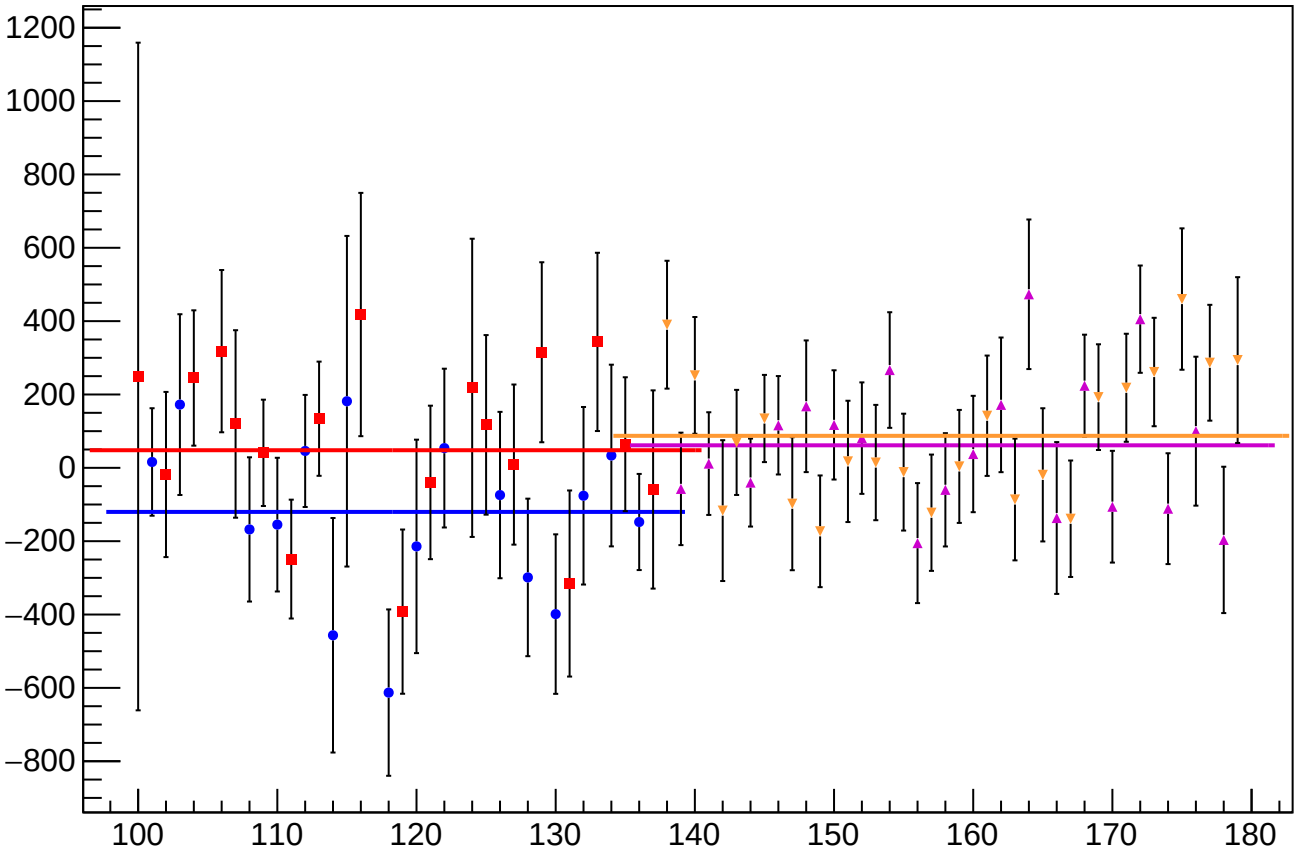
Left: 1091.127+/-0.135 χ^2/NDF: 1598422.1/41

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1132.796+/-0.169 χ^2/NDF:2130813.0/35

Out: 1123.974+/-0.164 χ^2/NDF:2365023.4/40

All: 1128.228+/-0.118 χ^2/NDF: 4497239.6/76



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.280+/-34.083 χ^2/NDF:24.6/21

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 61.416+/-35.161 χ^2/NDF:23.6/19

Left: 74.750+/-24.473 χ^2/NDF: 48.5/41

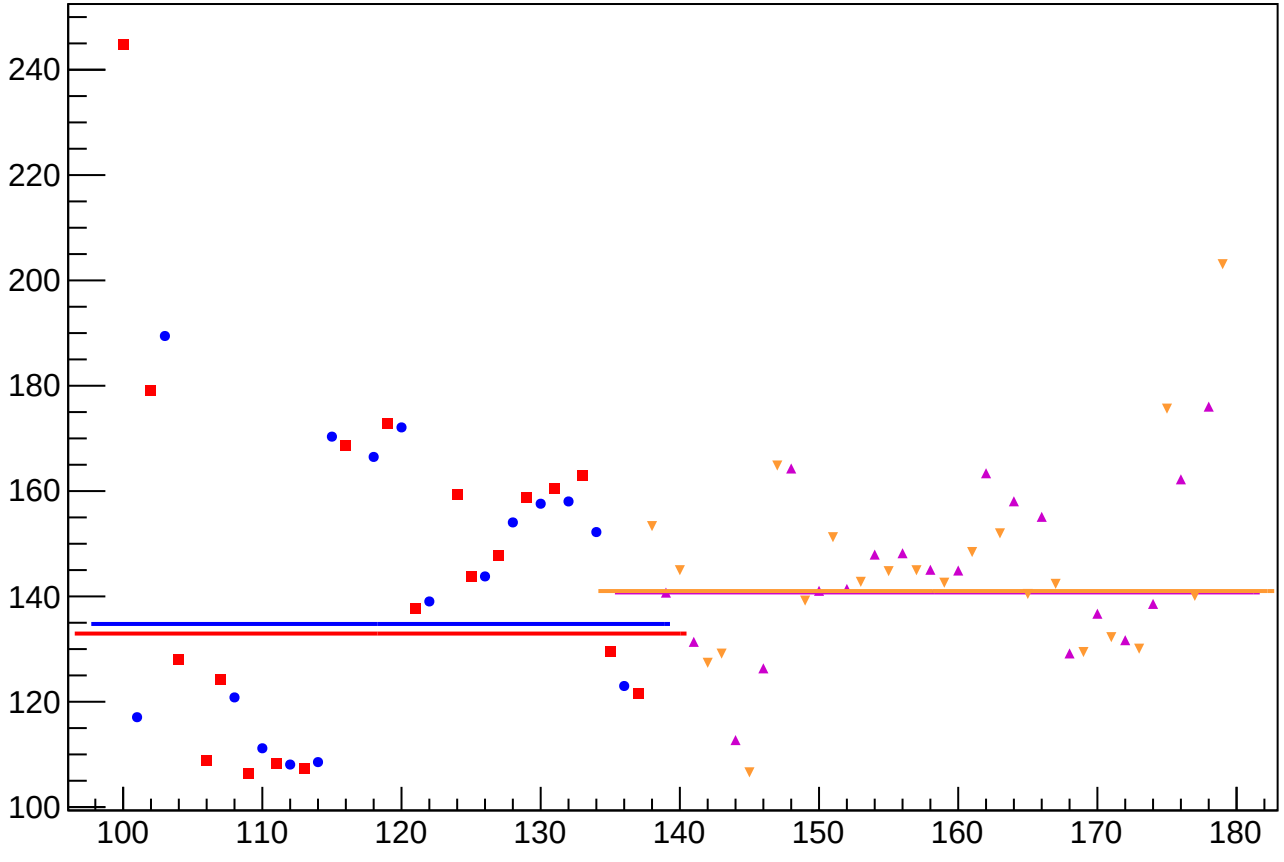
Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 3.073+/-28.967 χ^2/NDF:45.6/35

Out: 74.795+/-28.148 χ^2/NDF:42.0/40

All: 39.962+/-20.187 χ^2/NDF: 90.7/76

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

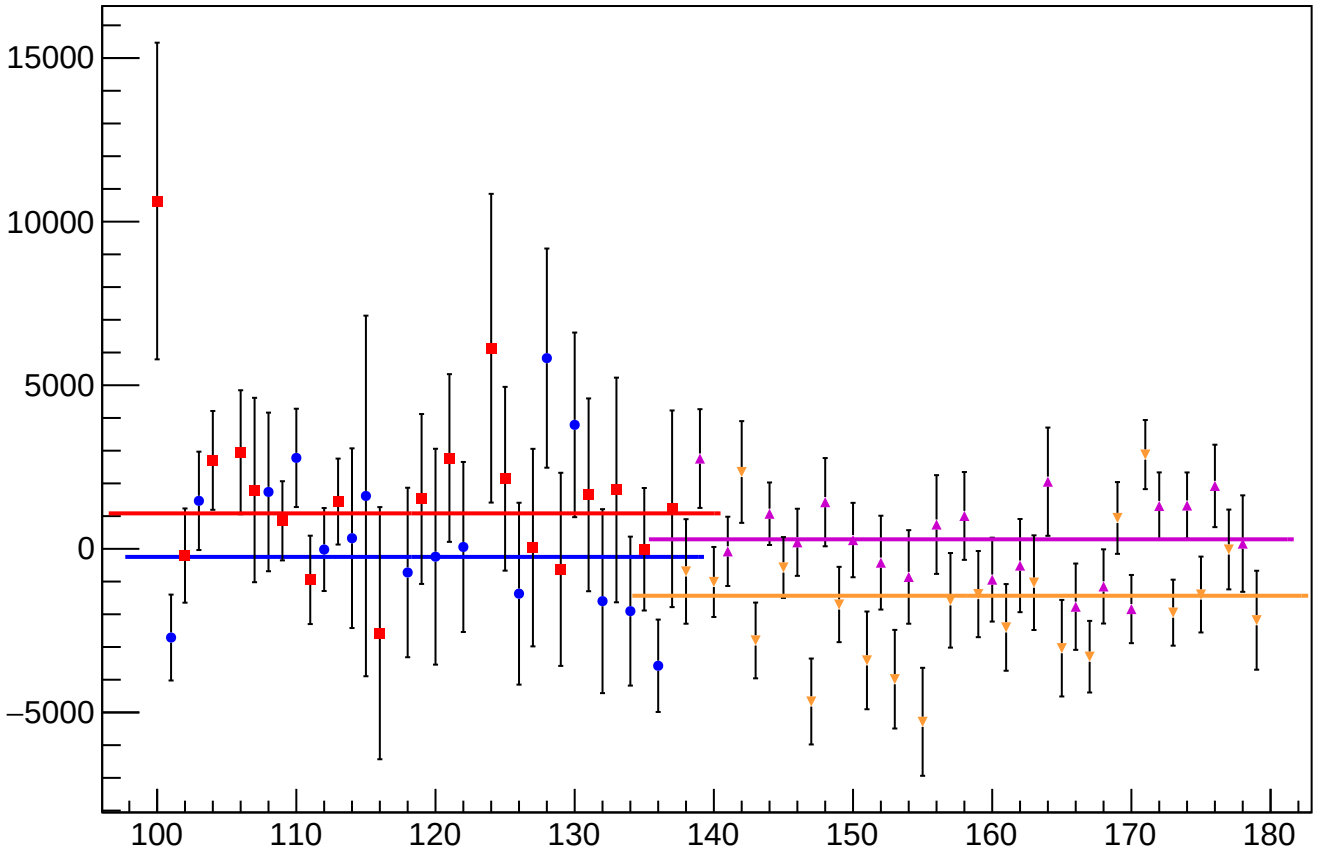
Left: 140.891+/-0.017 χ^2/NDF: 856885.2/41

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.832+/-0.020 χ^2/NDF:784902.3/35

Out: 138.452+/-0.020 χ^2/NDF:1041828.4/40

All: 138.637+/-0.014 χ^2/NDF: 1826907.6/76



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1433.486+/-265.962 χ^2/NDF:52.7/21

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 291.065+/-272.865 χ^2/NDF:19.8/19

Left: -593.298+/-190.457 χ^2/NDF: 92.9/41

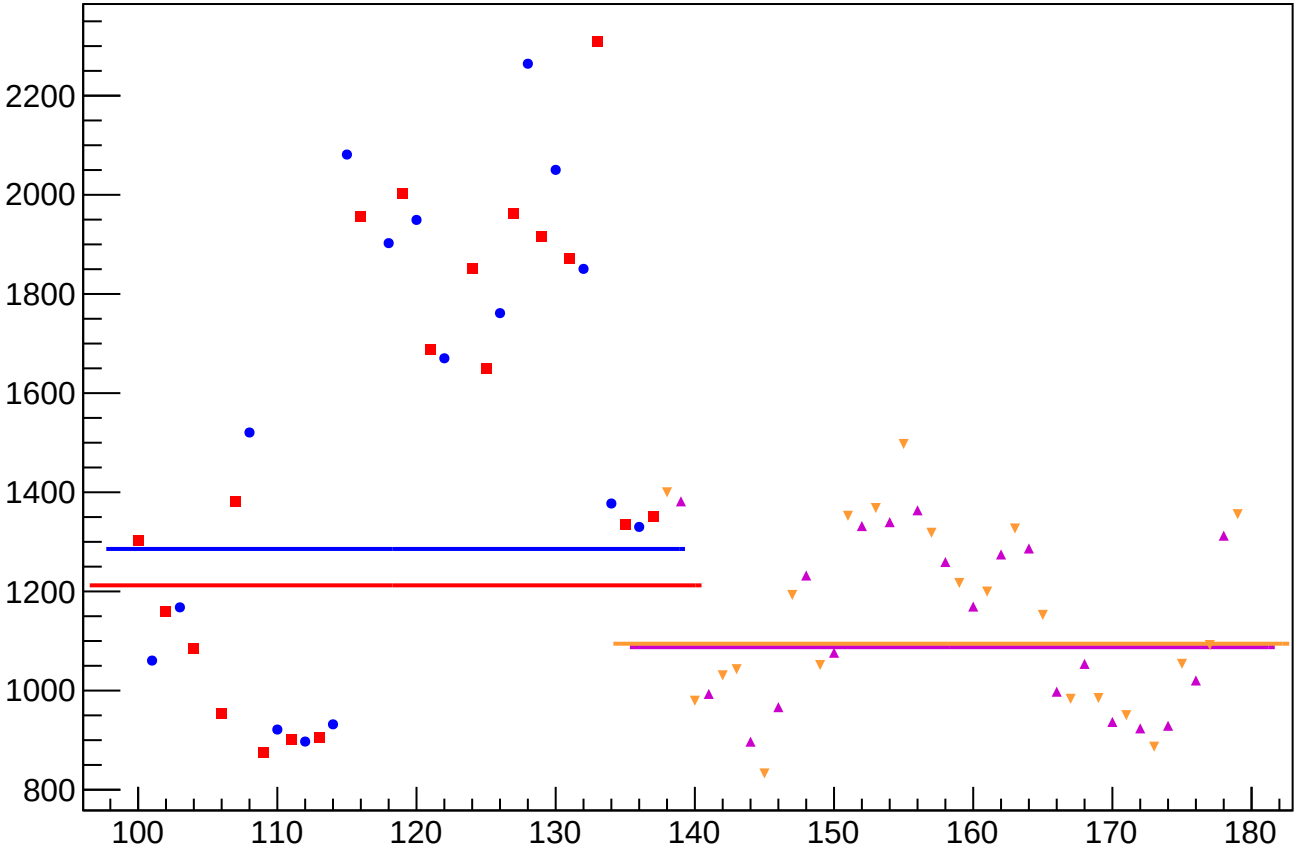
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.260+/-239.675 χ^2/NDF:42.3/35

Out: -821.515+/-231.391 χ^2/NDF:87.2/40

All: -344.028+/-166.469 χ^2/NDF: 138.3/76

asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.549+/-0.188 χ^2/NDF:878328.5/21

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

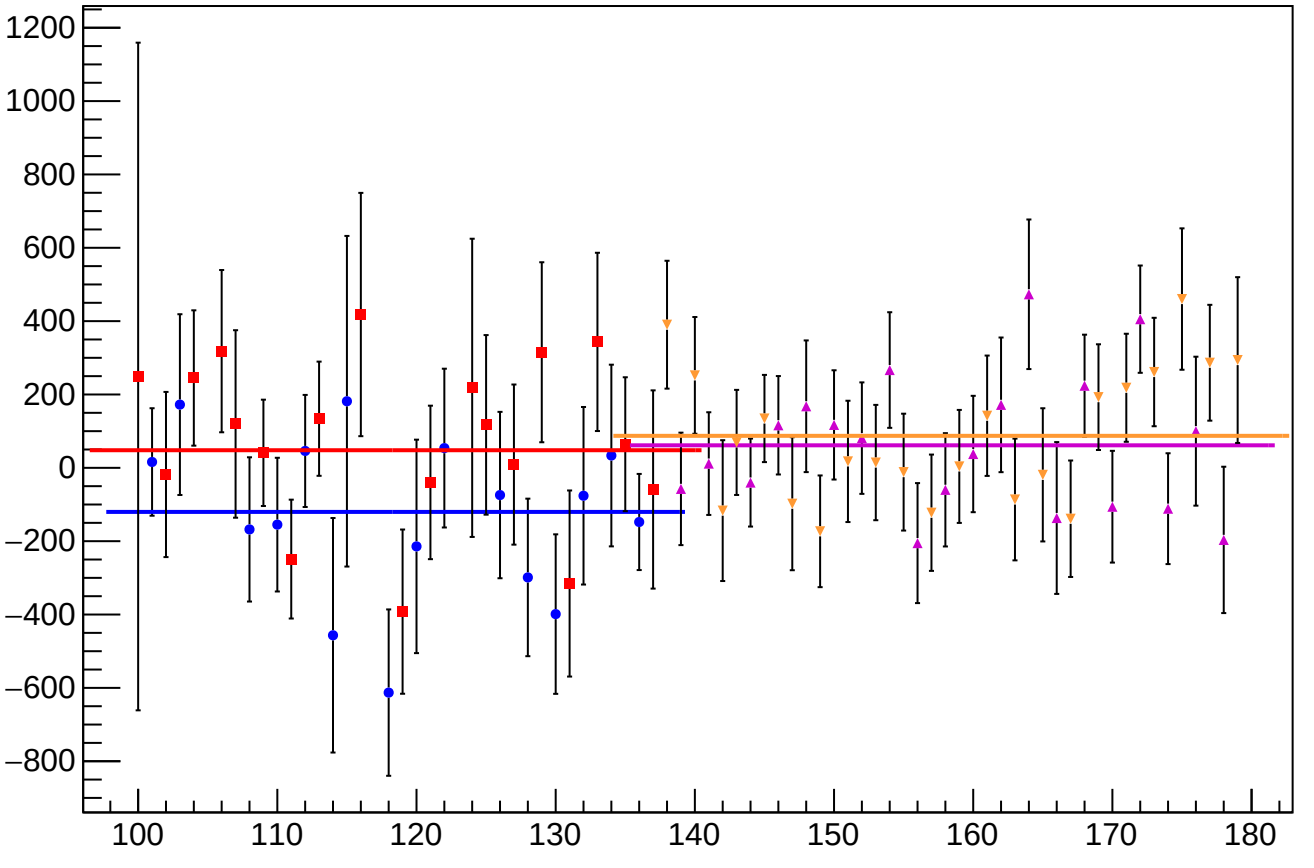
Left: 1091.127+/-0.135 χ^2/NDF: 1598423.0/41

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1132.799+/-0.169 χ^2/NDF:2130817.6/35

Out: 1123.166+/-0.164 χ^2/NDF:2374217.9/40

All: 1127.813+/-0.118 χ^2/NDF: 4506707.5/76



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 87.280+/-34.083 χ^2/NDF:24.6/21

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 61.416+/-35.161 χ^2/NDF:23.6/19

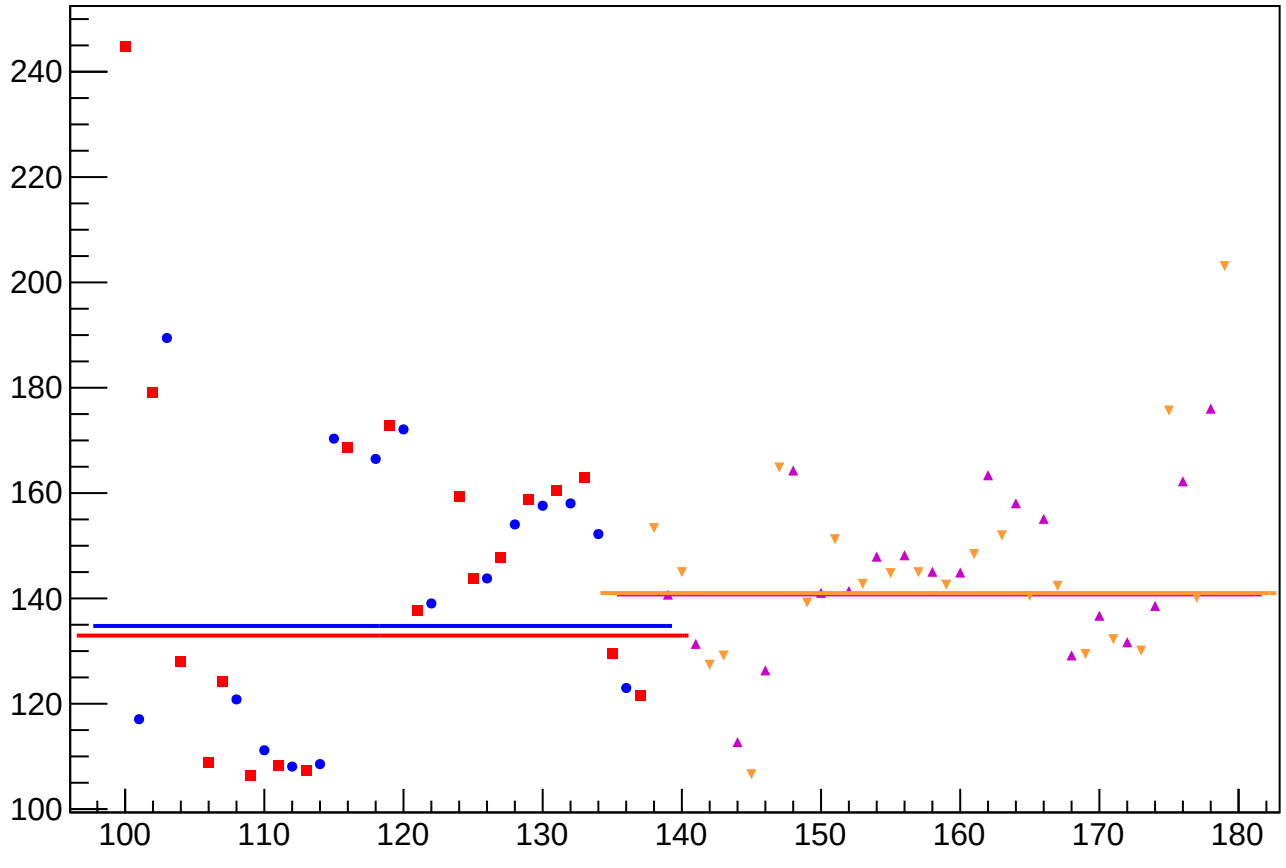
Left: 74.750+/-24.473 χ^2/NDF: 48.5/41

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 3.073+/-28.967 χ^2/NDF:45.6/35

Out: 74.795+/-28.148 χ^2/NDF:42.0/40

All: 39.962+/-20.187 χ^2/NDF: 90.7/76



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 141.019+/-0.024 χ^2/NDF:507313.8/21

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

Left: 140.891+/-0.017 χ^2/NDF: 856885.2/41

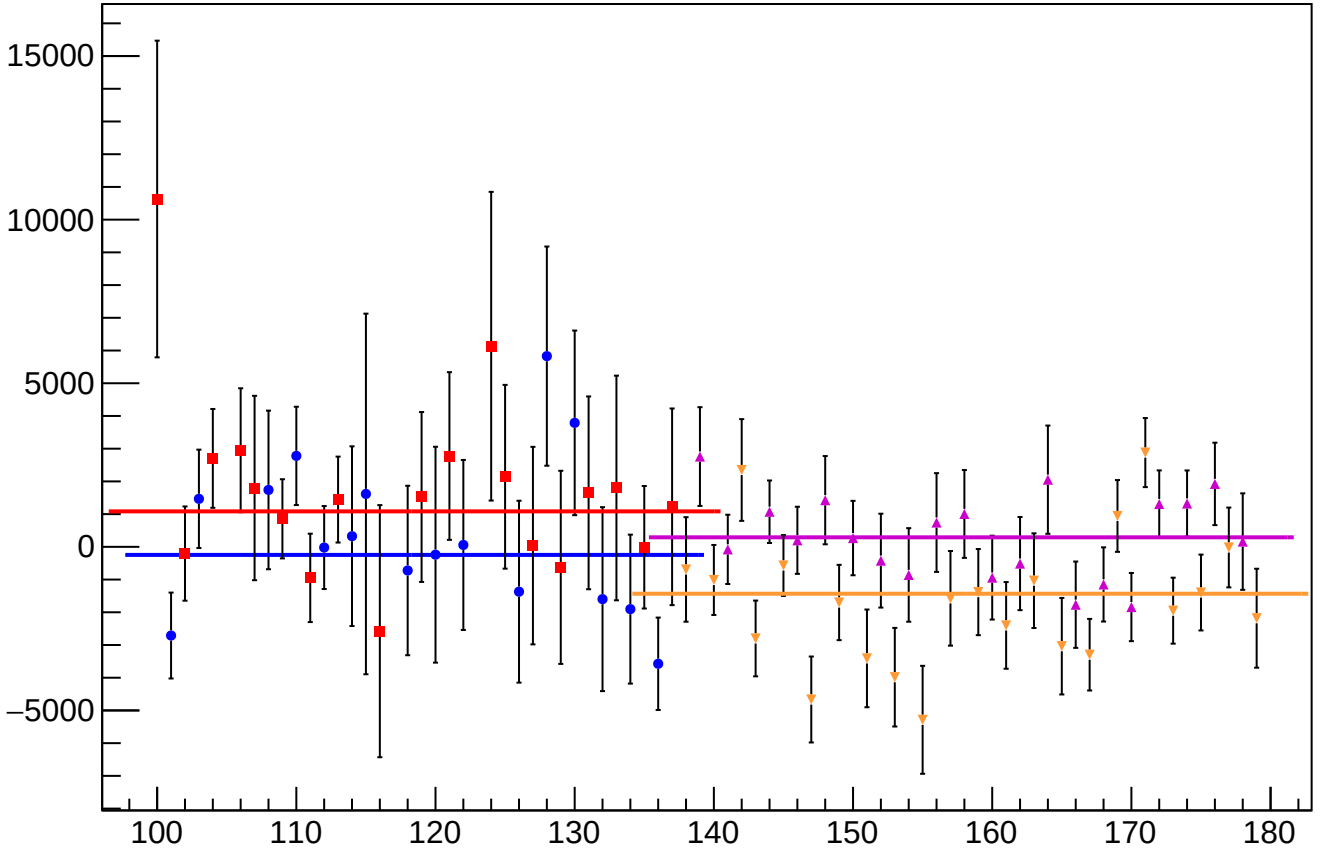
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.832+/-0.020 χ^2/NDF:784902.3/35

Out: 138.452+/-0.020 χ^2/NDF:1041828.4/40

All: 138.637+/-0.014 χ^2/NDF: 1826907.6/76

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1433.486+/-265.962 χ^2/NDF:52.7/21

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 291.065+/-272.865 χ^2/NDF:19.8/19

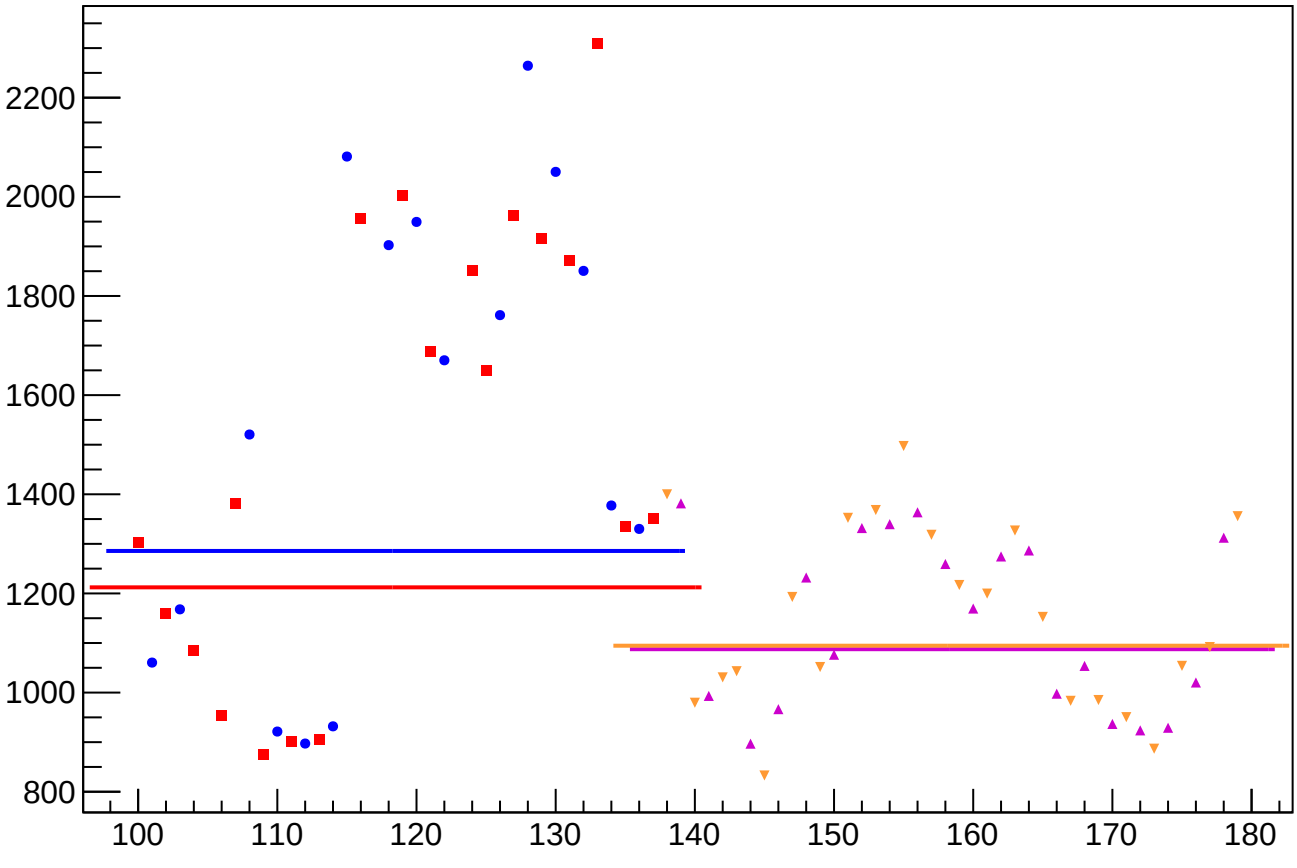
Left: -593.298+/-190.457 χ^2/NDF: 92.9/41

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.260+/-239.675 χ^2/NDF:42.3/35

Out: -821.515+/-231.391 χ^2/NDF:87.2/40

All: -344.028+/-166.469 χ^2/NDF: 138.3/76



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1094.549+/-0.188 χ^2/NDF:878328.5/21

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

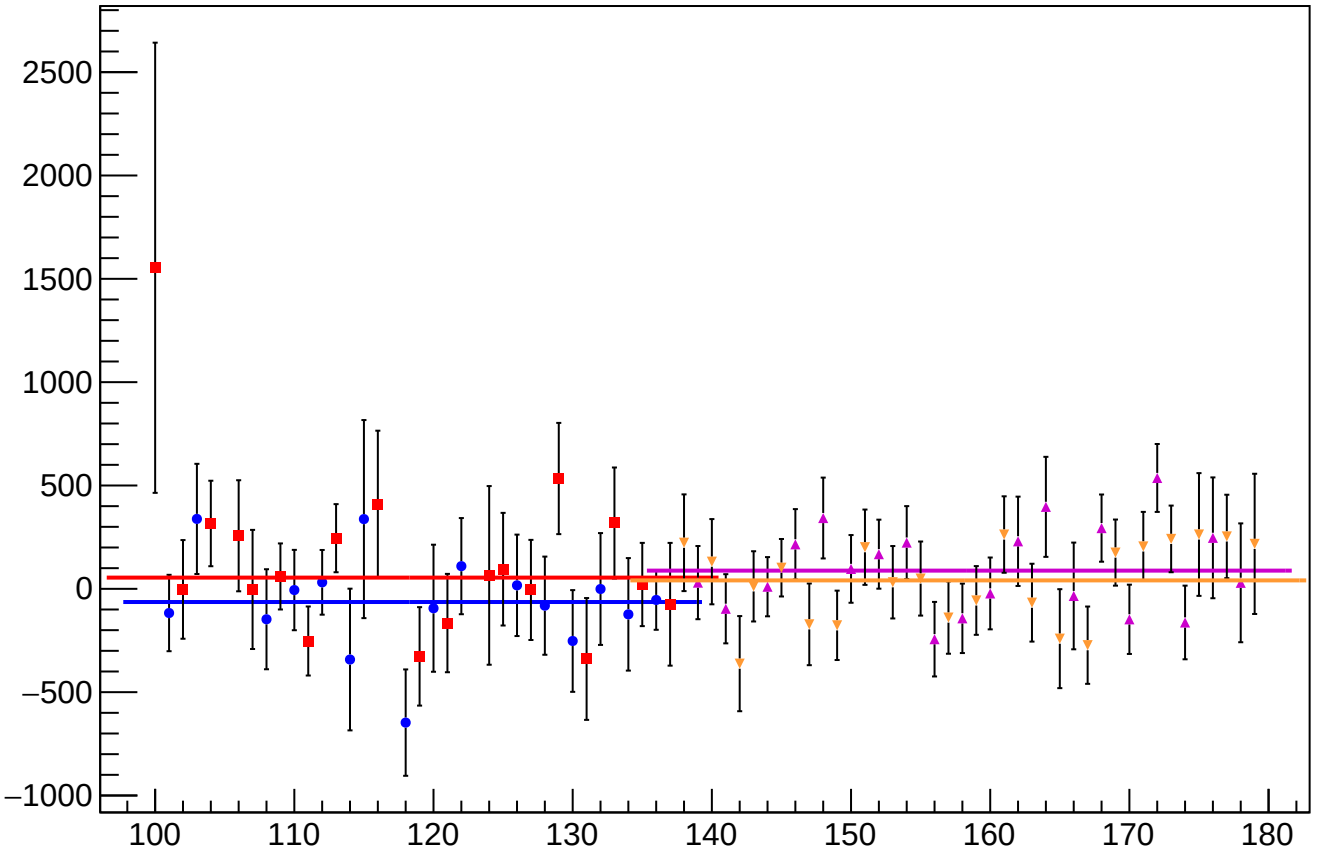
Left: 1091.127+/-0.135 χ^2/NDF: 1598423.0/41

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1132.799+/-0.169 χ^2/NDF:2130817.6/35

Out: 1123.166+/-0.164 χ^2/NDF:2374217.9/40

All: 1127.813+/-0.118 χ^2/NDF: 4506707.5/76



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.827+/-39.774 χ^2/NDF:20.2/21

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 88.138+/-40.802 χ^2/NDF:26.0/19

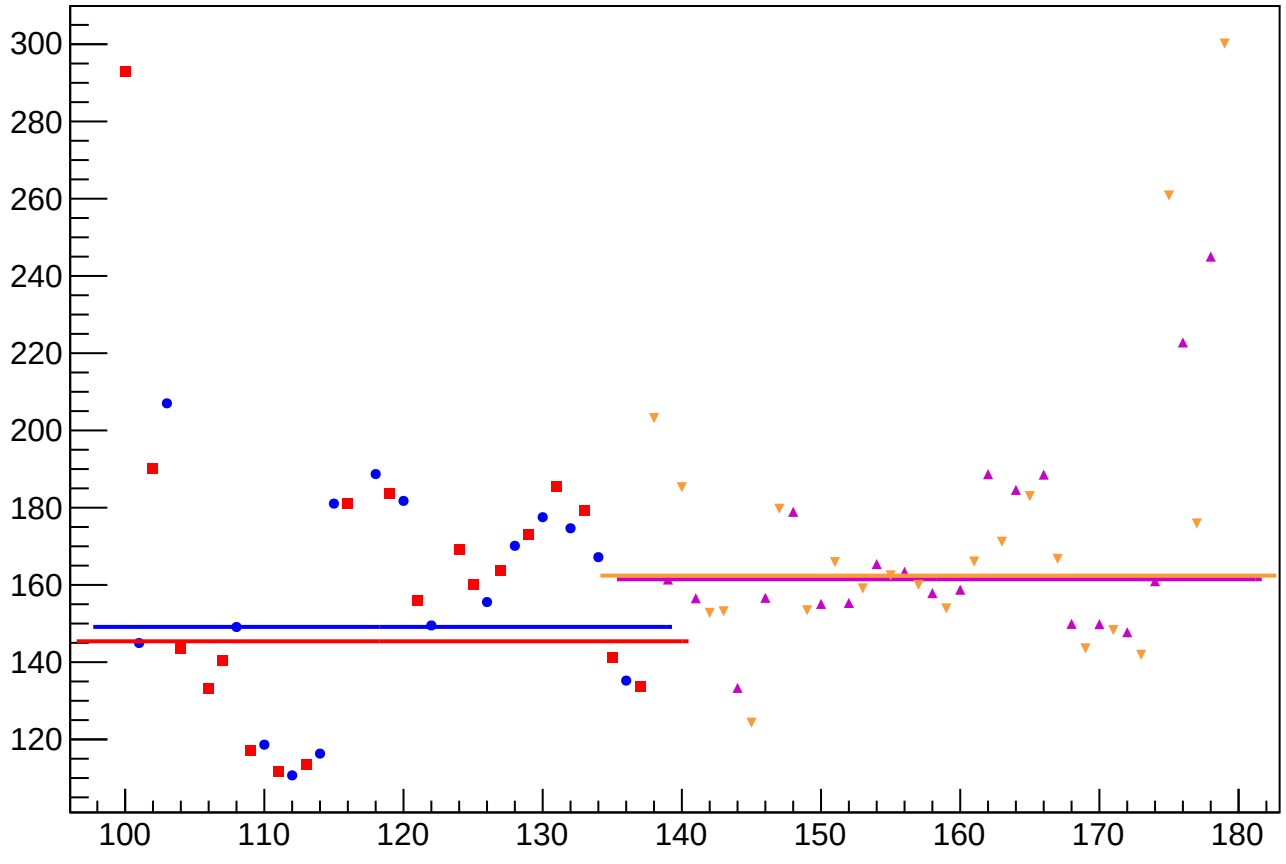
Left: 63.879+/-28.481 χ^2/NDF: 46.9/41

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 36.348+/-33.125 χ^2/NDF:41.5/35

Out: 45.484+/-32.178 χ^2/NDF:39.8/40

All: 41.048+/-23.081 χ^2/NDF: 81.3/76



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 162.406+/-0.028 χ^2/NDF:926589.1/21

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 161.456+/-0.029 χ^2/NDF:467130.6/19

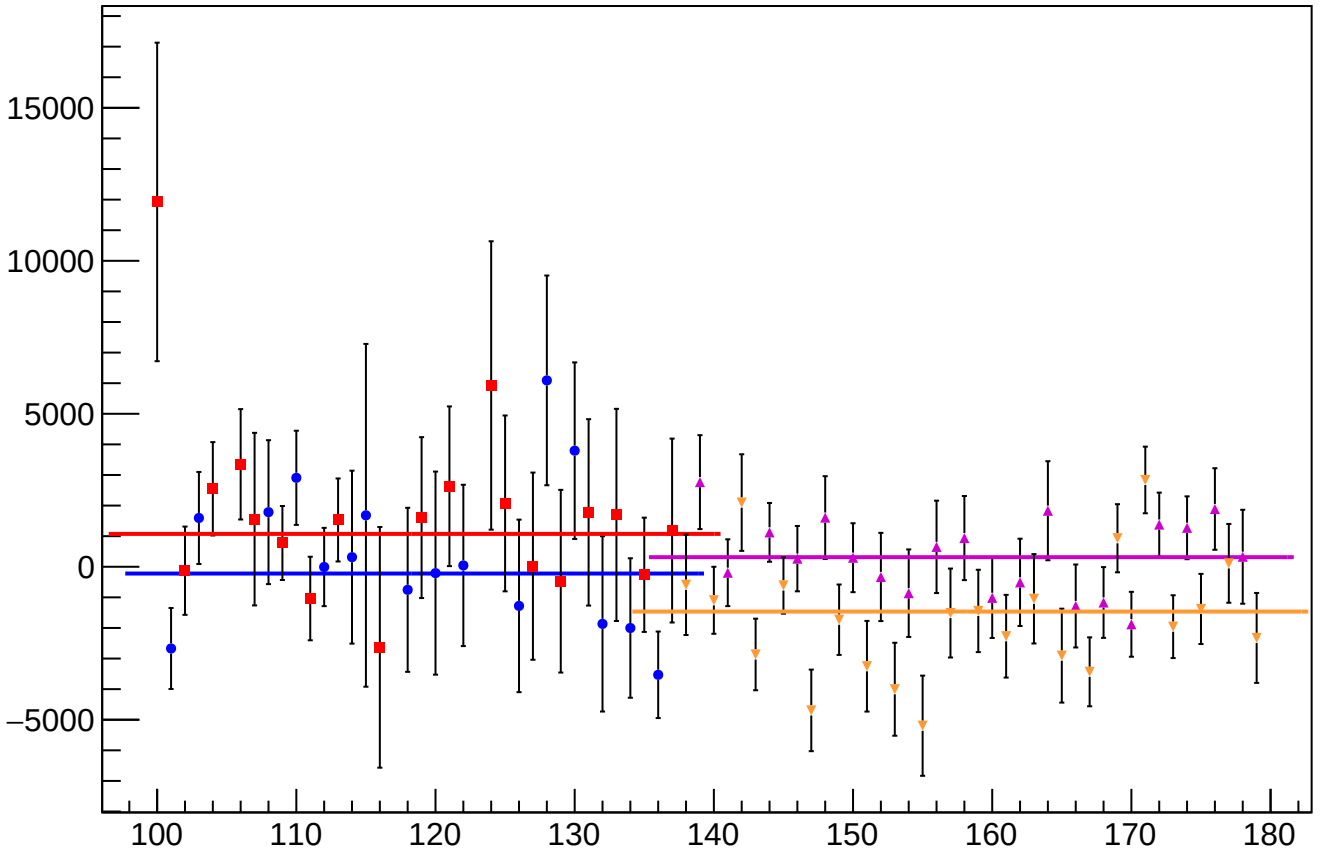
Left: 161.943+/-0.020 χ^2/NDF: 1394276.5/41

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 157.254+/-0.023 χ^2/NDF:980348.3/35

Out: 156.530+/-0.023 χ^2/NDF:1578749.4/40

All: 156.881+/-0.016 χ^2/NDF: 2559588.8/76



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1464.177+/-269.473 χ^2/NDF:49.8/21

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 313.122+/-277.564 χ^2/NDF:18.4/19

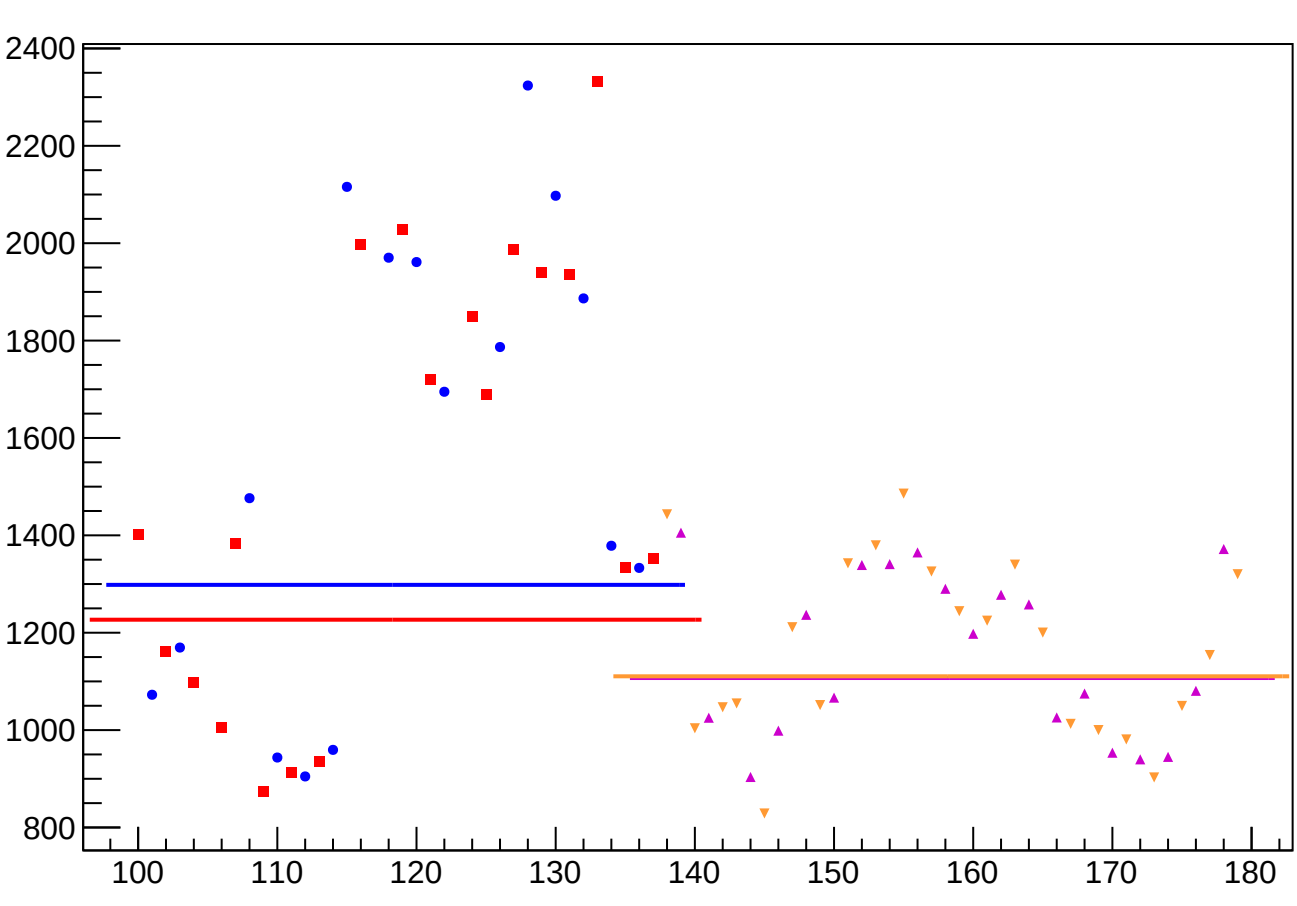
Left: -601.809+/-193.343 χ^2/NDF: 89.3/41

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 189.598+/-243.378 χ^2/NDF:41.1/35

Out: -841.756+/-234.119 χ^2/NDF:85.2/40

All: -346.069+/-168.725 χ^2/NDF: 135.6/76



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1110.486+/-0.191 χ^2/NDF:856508.7/21

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1106.972+/-0.196 χ^2/NDF:684421.7/19

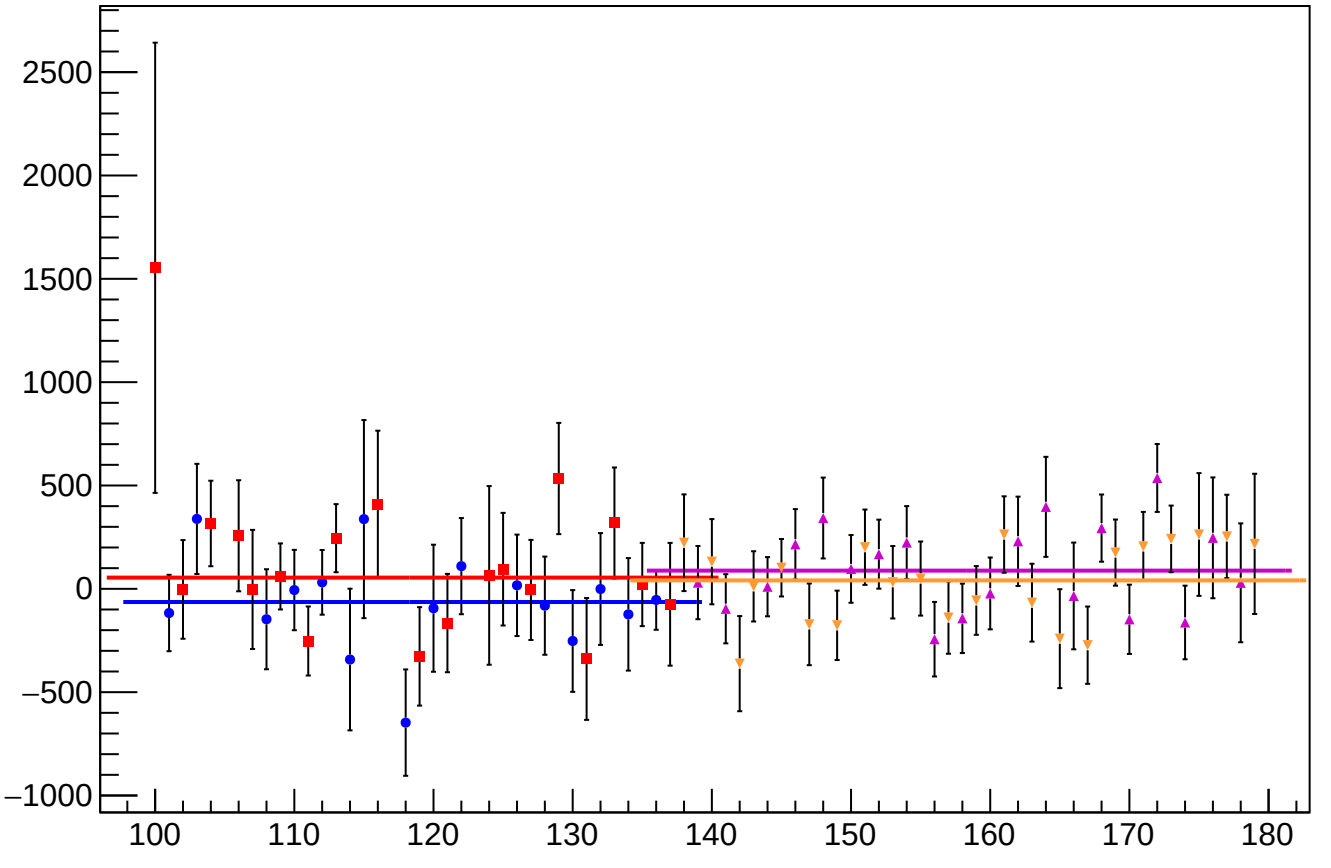
Left: 1108.781+/-0.137 χ^2/NDF: 1541095.3/41

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1151.198+/-0.172 χ^2/NDF:2086200.1/35

Out: 1138.986+/-0.166 χ^2/NDF:2352277.3/40

All: 1144.856+/-0.119 χ^2/NDF: 4441092.7/76



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.829+/-39.774 χ^2/NDF:20.2/21

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 88.137+/-40.802 χ^2/NDF:26.0/19

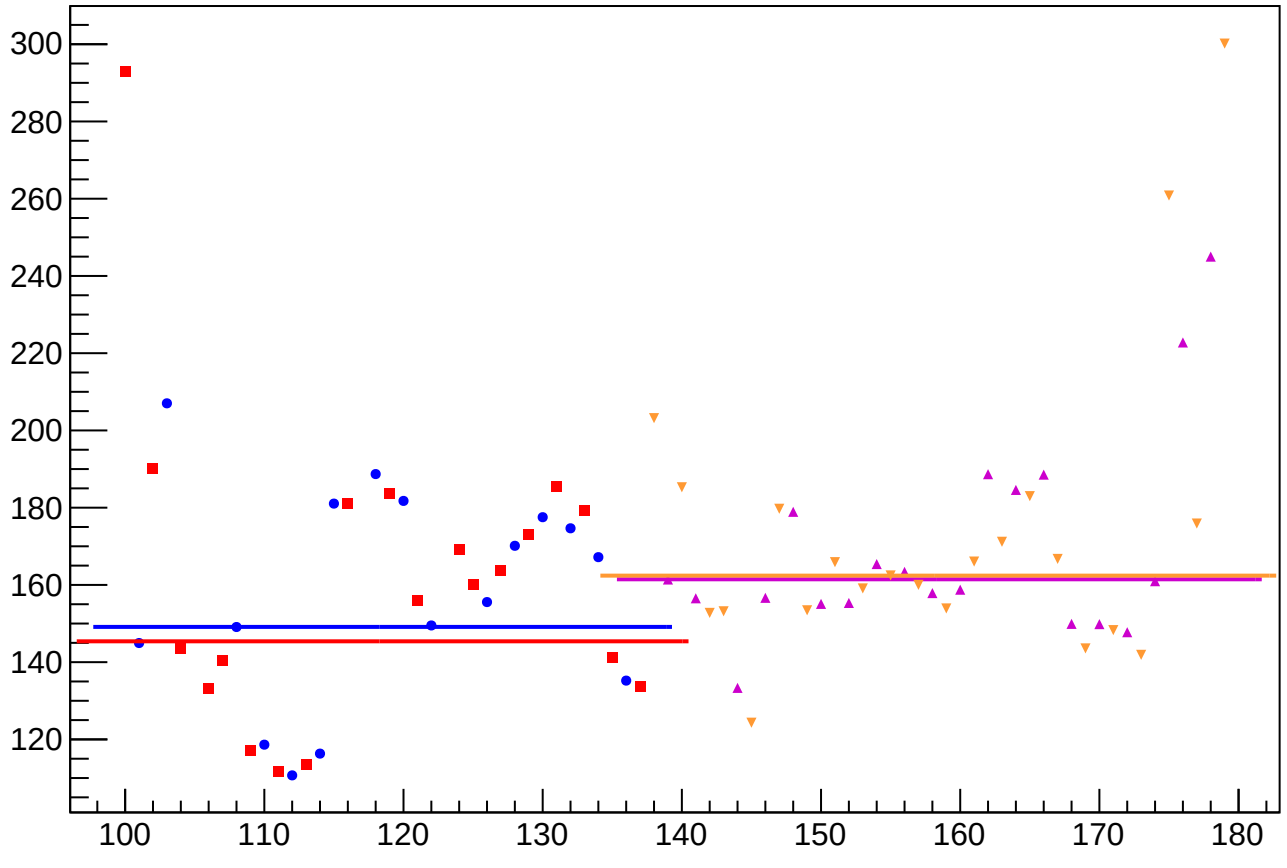
Left: 63.880+/-28.481 χ^2/NDF: 46.9/41

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 36.349+/-33.125 χ^2/NDF:41.5/35

Out: 45.485+/-32.178 χ^2/NDF:39.8/40

All: 41.049+/-23.081 χ^2/NDF: 81.3/76



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 162.407+/-0.028 χ^2/NDF:926586.9/21

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 161.456+/-0.029 χ^2/NDF:467119.3/19

Left: 161.943+/-0.020 χ^2/NDF: 1394263.0/41

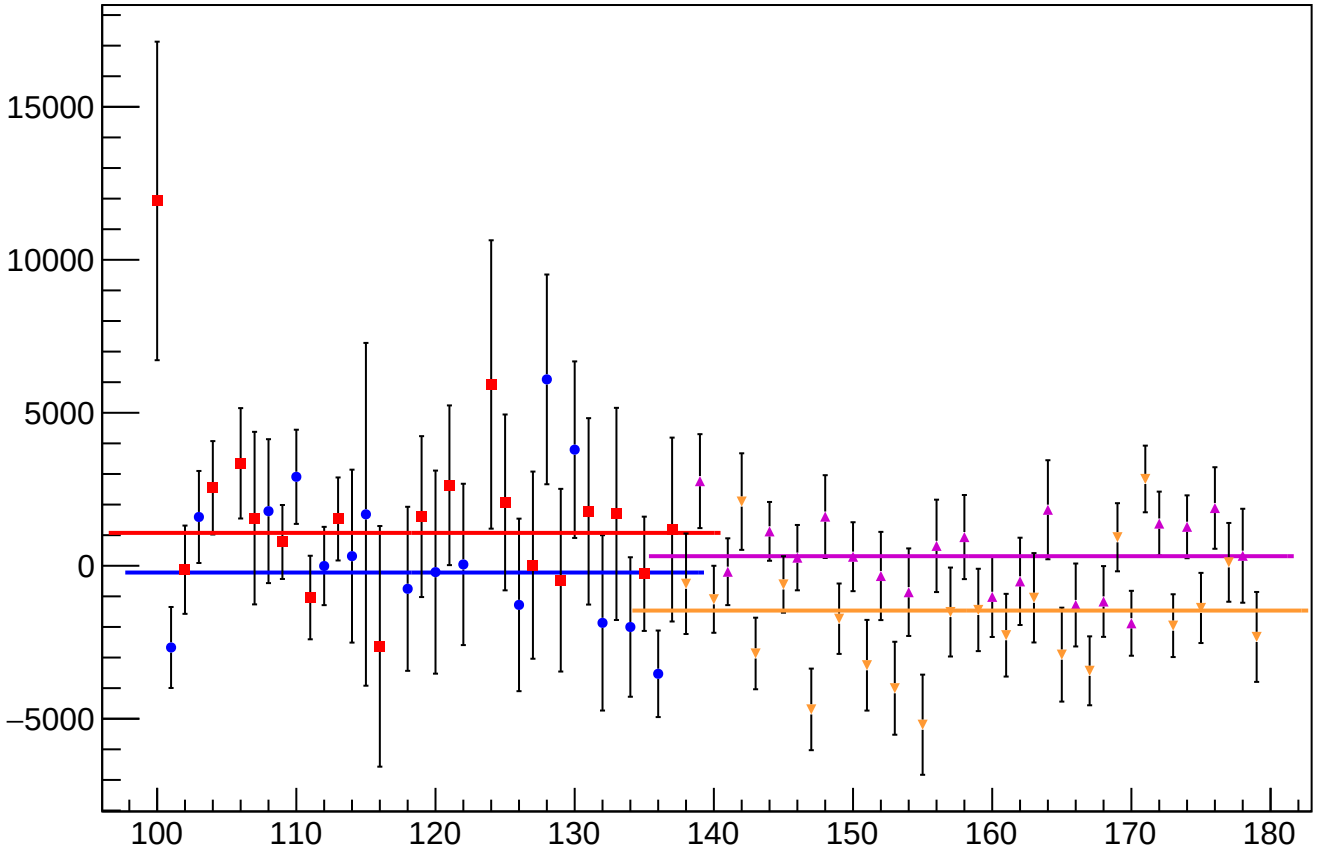
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 157.254+/-0.023 χ^2/NDF:980340.9/35

Out: 156.530+/-0.023 χ^2/NDF:1578754.0/40

All: 156.882+/-0.016 χ^2/NDF: 2559586.0/76

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1464.174+/-269.473 χ^2/NDF:49.8/21

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 313.120+/-277.563 χ^2/NDF:18.4/19

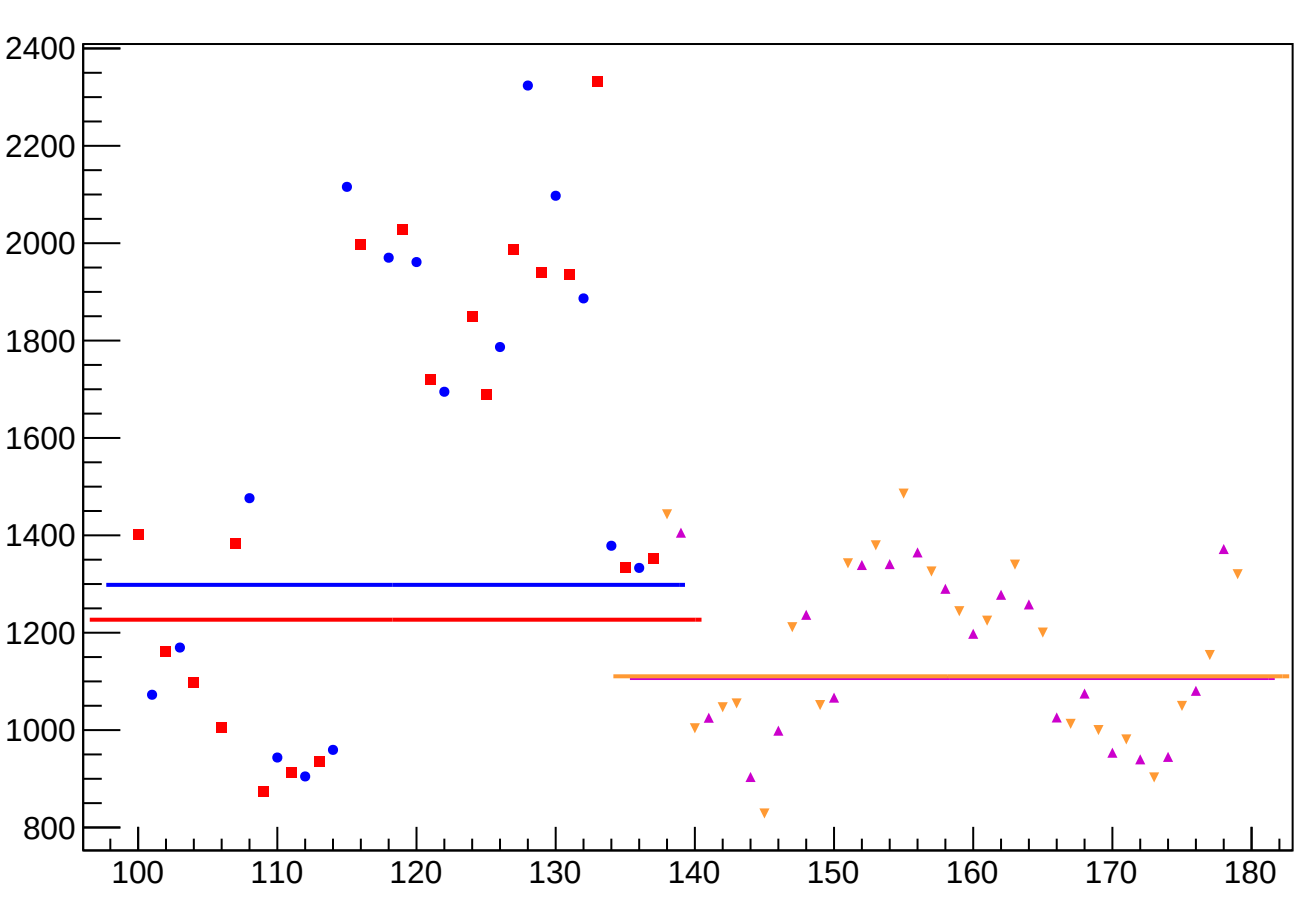
Left: -601.808+/-193.343 χ^2/NDF: 89.3/41

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 189.597+/-243.377 χ^2/NDF:41.1/35

Out: -841.755+/-234.119 χ^2/NDF:85.2/40

All: -346.069+/-168.725 χ^2/NDF: 135.6/76



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1110.484+/-0.191 χ^2/NDF:856510.6/21

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1106.971+/-0.196 χ^2/NDF:684421.5/19

Left: 1108.779+/-0.137 χ^2/NDF: 1541097.0/41

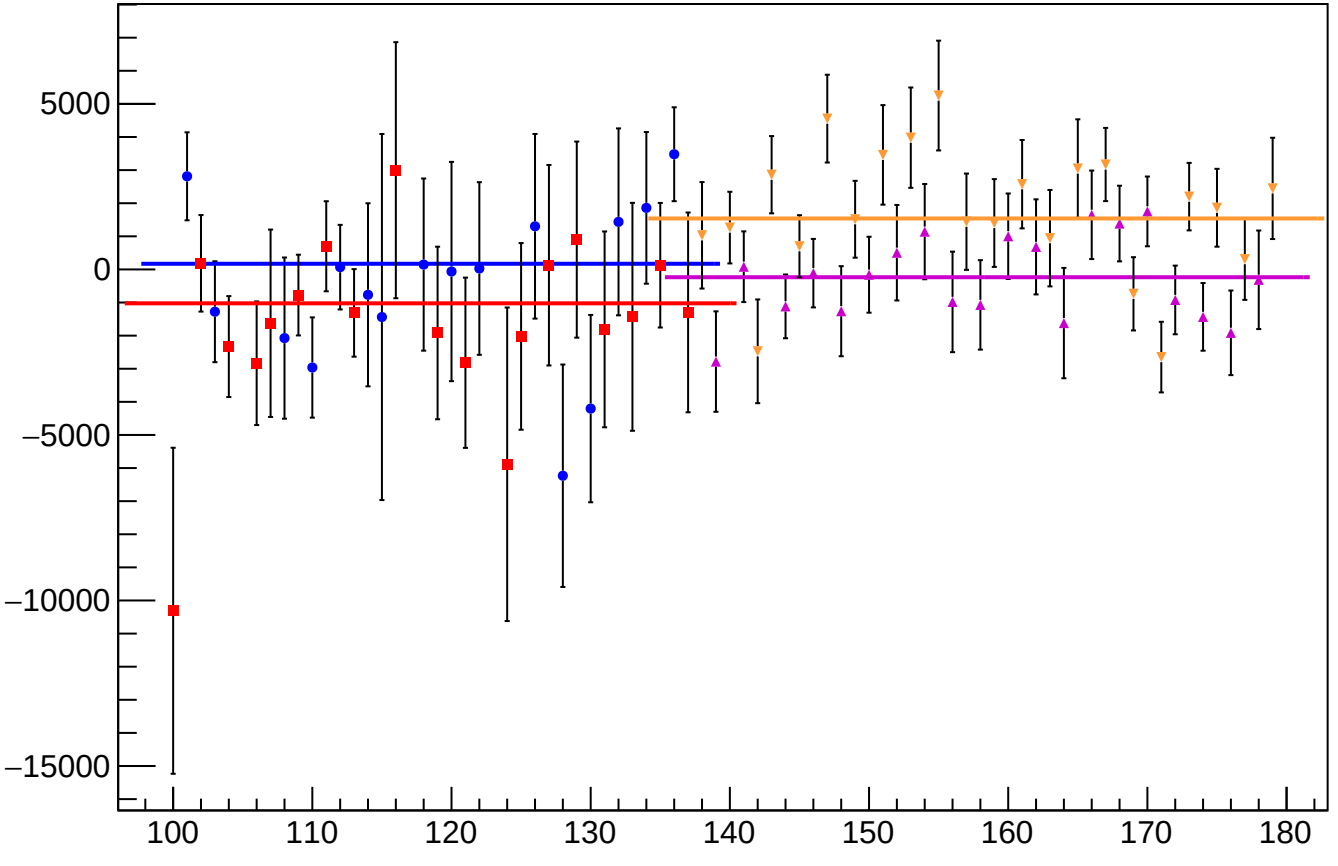
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1151.196+/-0.172 χ^2/NDF:2086205.8/35

Out: 1138.985+/-0.166 χ^2/NDF:2352283.3/40

All: 1144.854+/-0.119 χ^2/NDF: 4441104.4/76

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1539.411+/-268.336 χ^2/NDF:48.7/21

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -235.309+/-275.314 χ^2/NDF:19.3/19

Left: 674.824+/-192.162 χ^2/NDF: 89.3/41

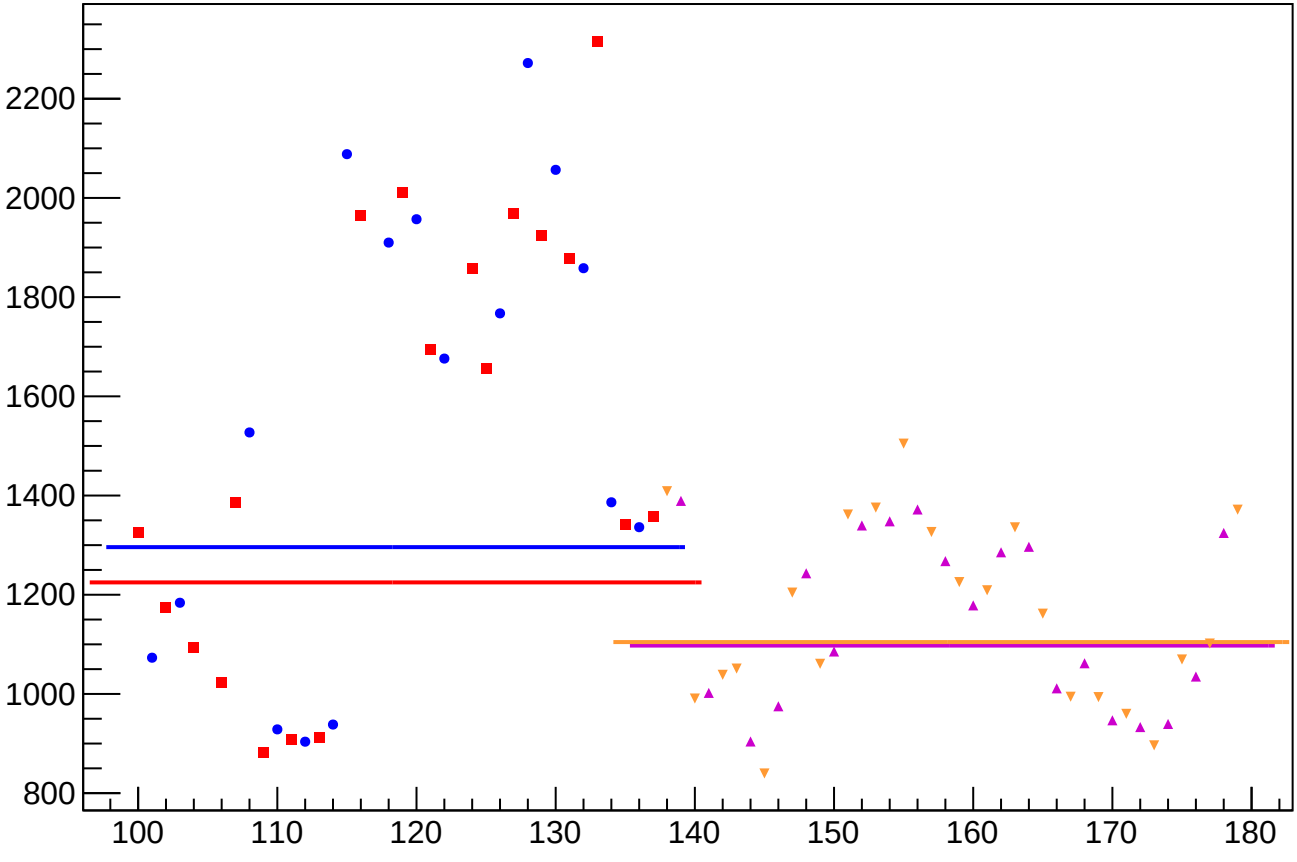
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -142.242+/-241.740 χ^2/NDF:42.3/35

Out: 913.367+/-233.275 χ^2/NDF:82.6/40

All: 404.368+/-167.863 χ^2/NDF: 134.8/76

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1104.578+/-0.190 χ^2/NDF:866245.2/21

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1097.524+/-0.195 χ^2/NDF:707098.4/19

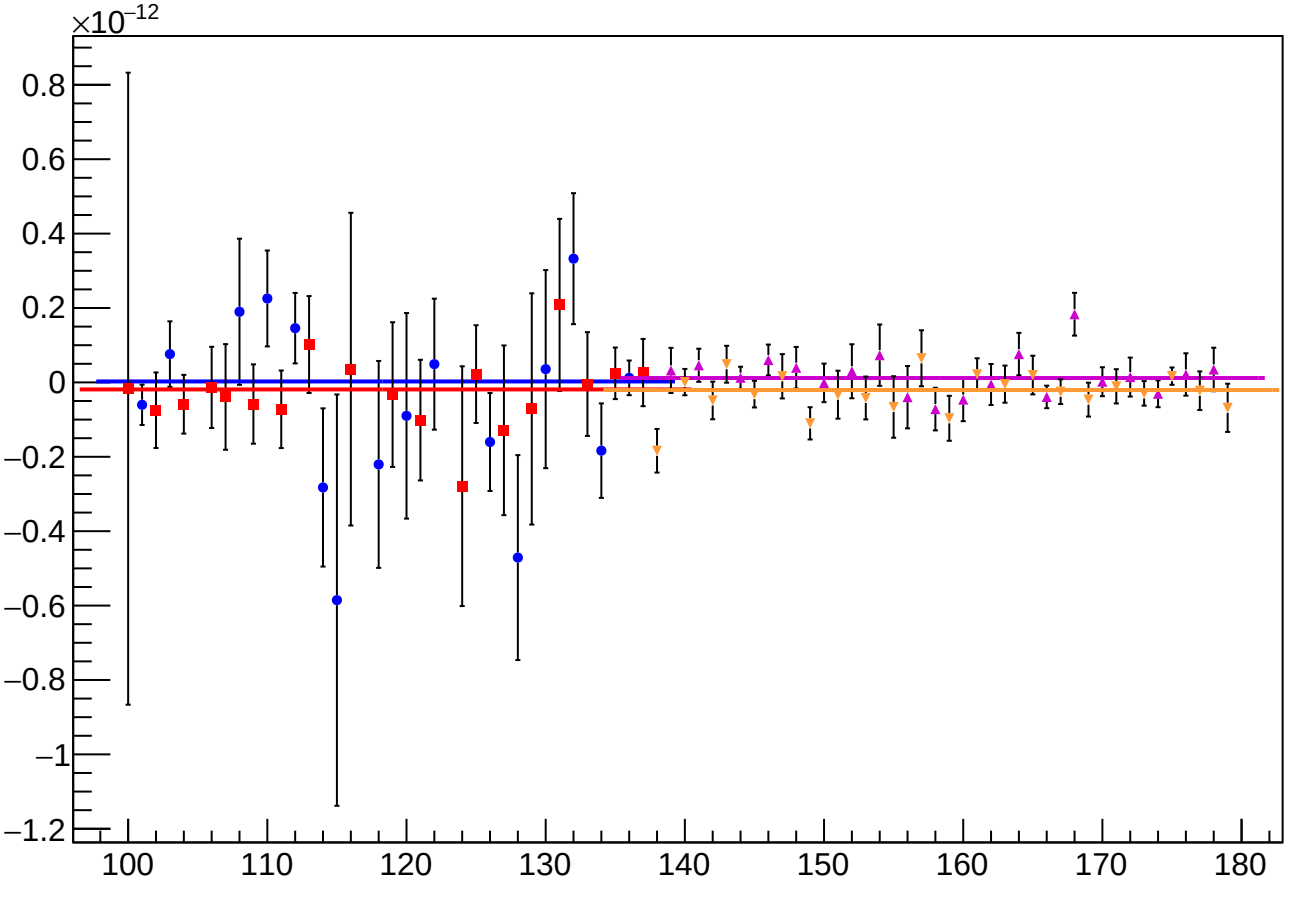
Left: 1101.142+/-0.136 χ^2/NDF: 1574016.9/41

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1142.977+/-0.171 χ^2/NDF:2099303.2/35

Out: 1133.960+/-0.165 χ^2/NDF:2335703.2/40

All: 1138.308+/-0.119 χ^2/NDF: 4436447.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.2/19

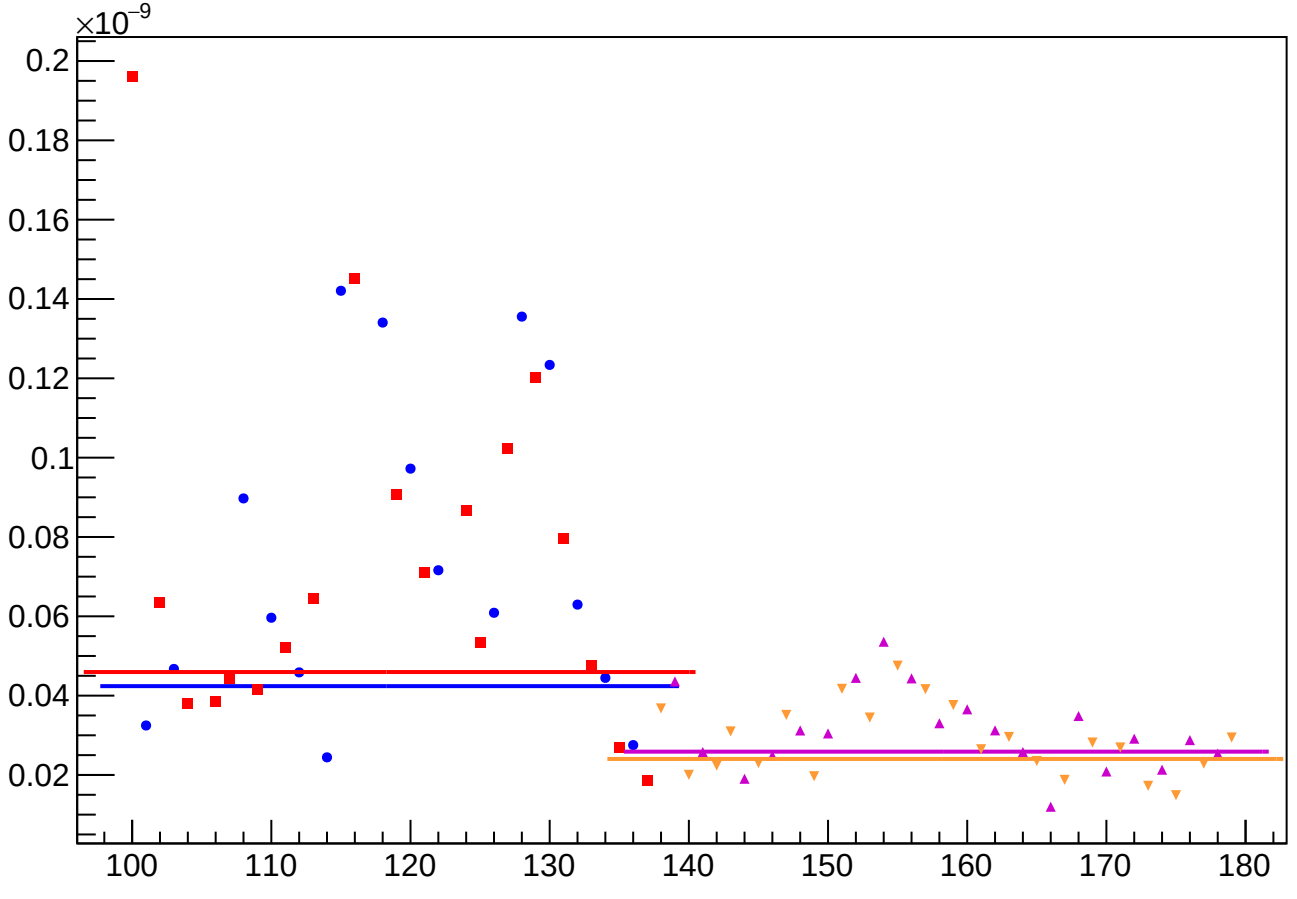
Left: -0.000+/-0.000 χ^2/NDF: 50.0/41

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.5/35

Out: -0.000+/-0.000 χ^2/NDF:28.5/40

All: -0.000+/-0.000 χ^2/NDF: 77.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1355208.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1430092.3/19

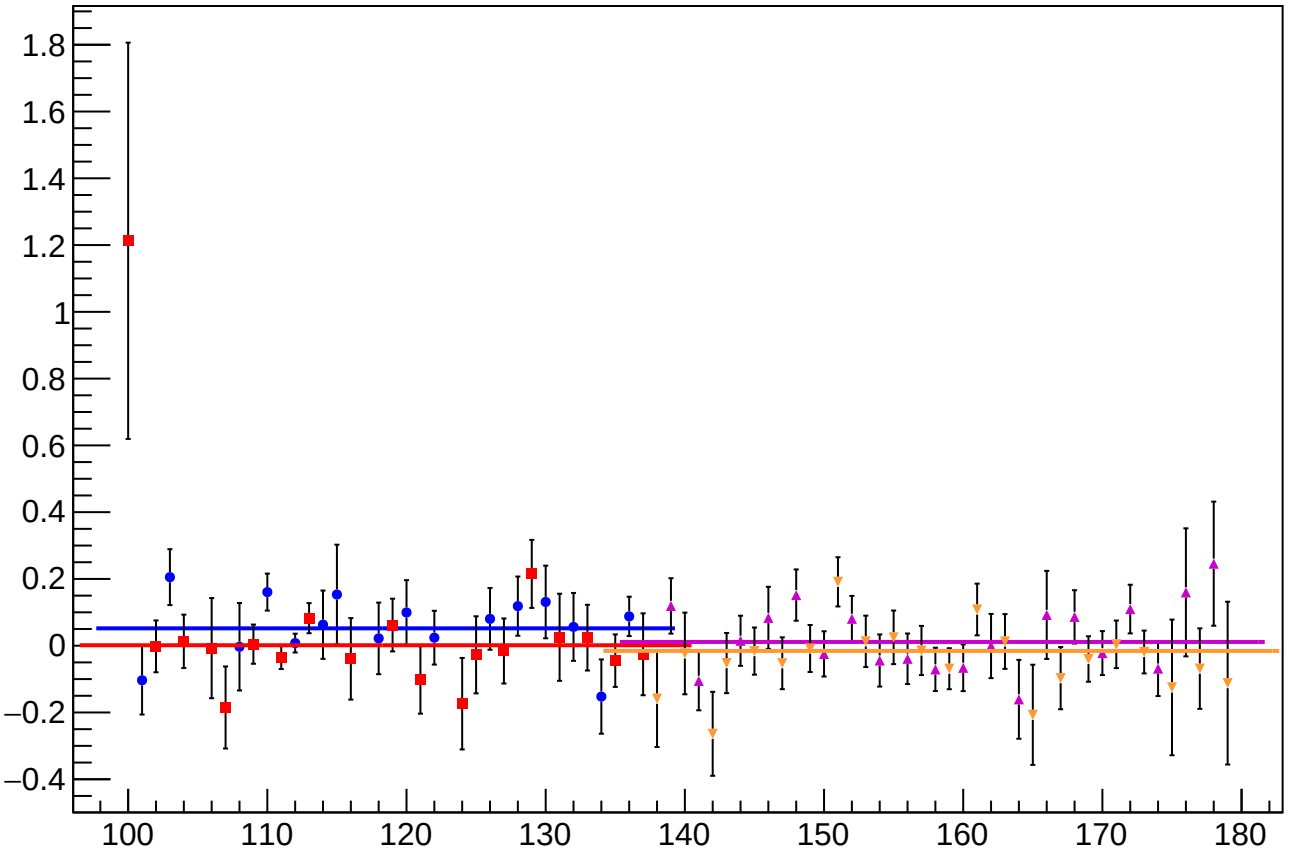
Left: 0.000+/-0.000 χ^2/NDF: 2818351.7/41

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3424862.0/35

Out: 0.000+/-0.000 χ^2/NDF:3513557.9/40

All: 0.000+/-0.000 χ^2/NDF: 6982485.8/76



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.4/41

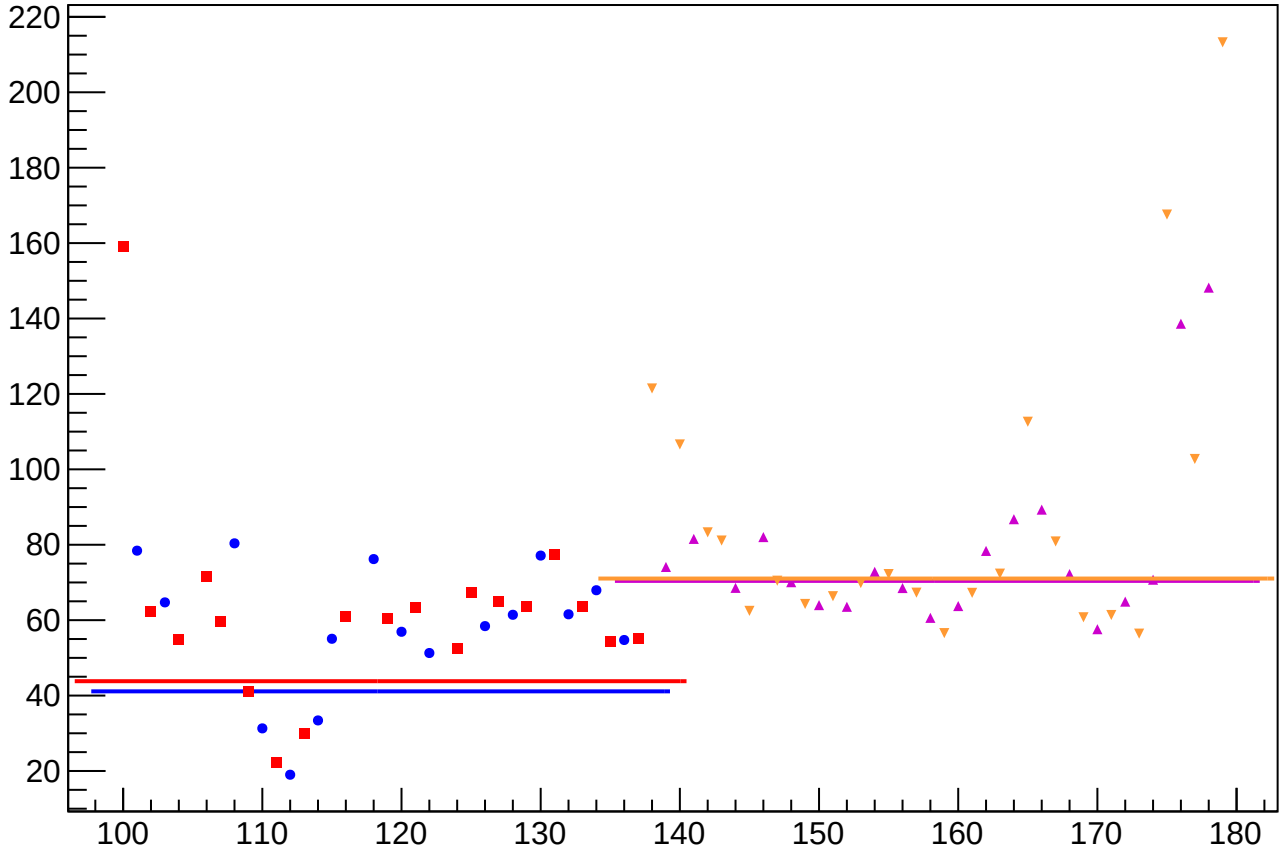
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 86.3/76

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.037+/-0.013 χ^2/NDF:2266621.3/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.416+/-0.013 χ^2/NDF:957989.8/19

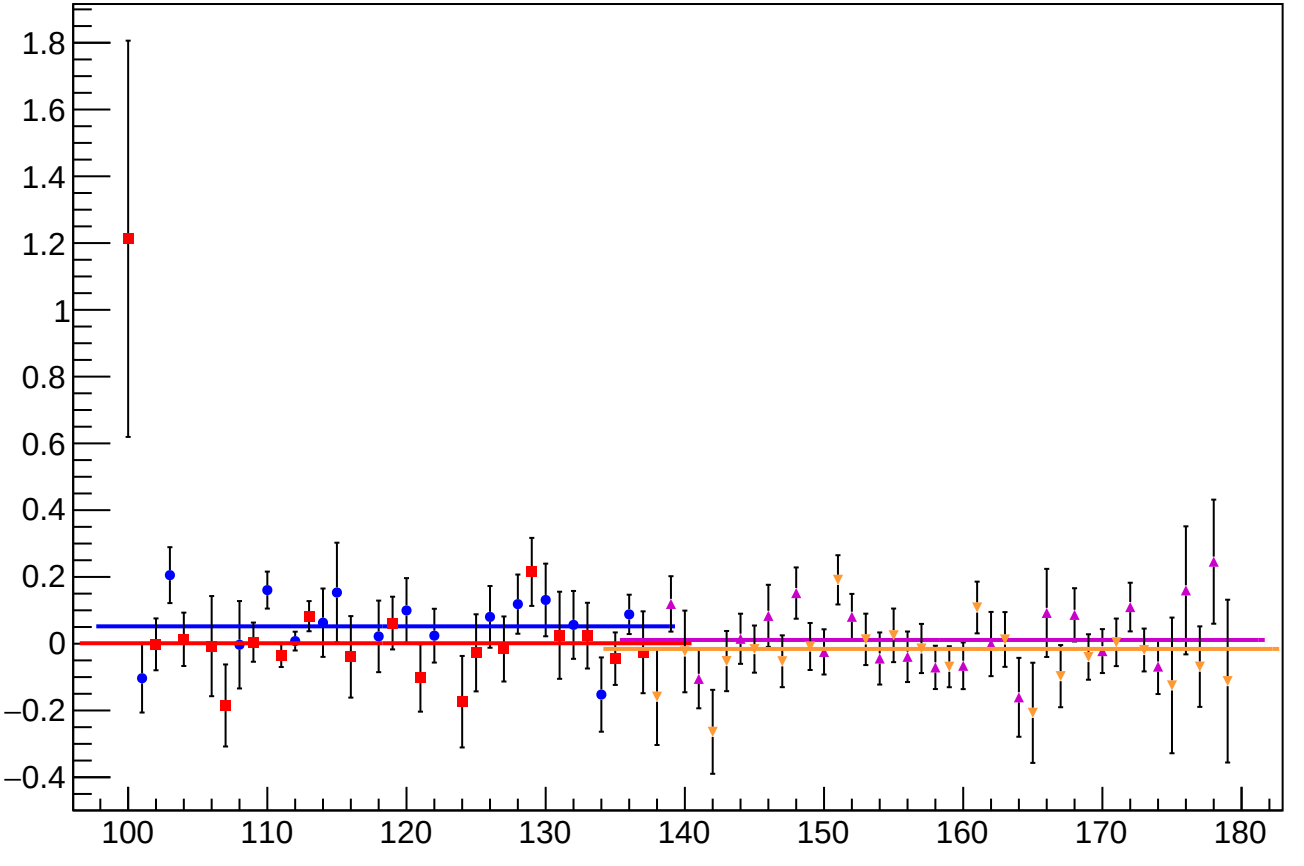
Left: 70.732+/-0.009 χ^2/NDF: 3225773.6/41

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 55.287+/-0.009 χ^2/NDF:6511372.6/35

Out: 57.329+/-0.009 χ^2/NDF:6604668.4/40

All: 56.312+/-0.006 χ^2/NDF: 13141695.4/76



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.4/41

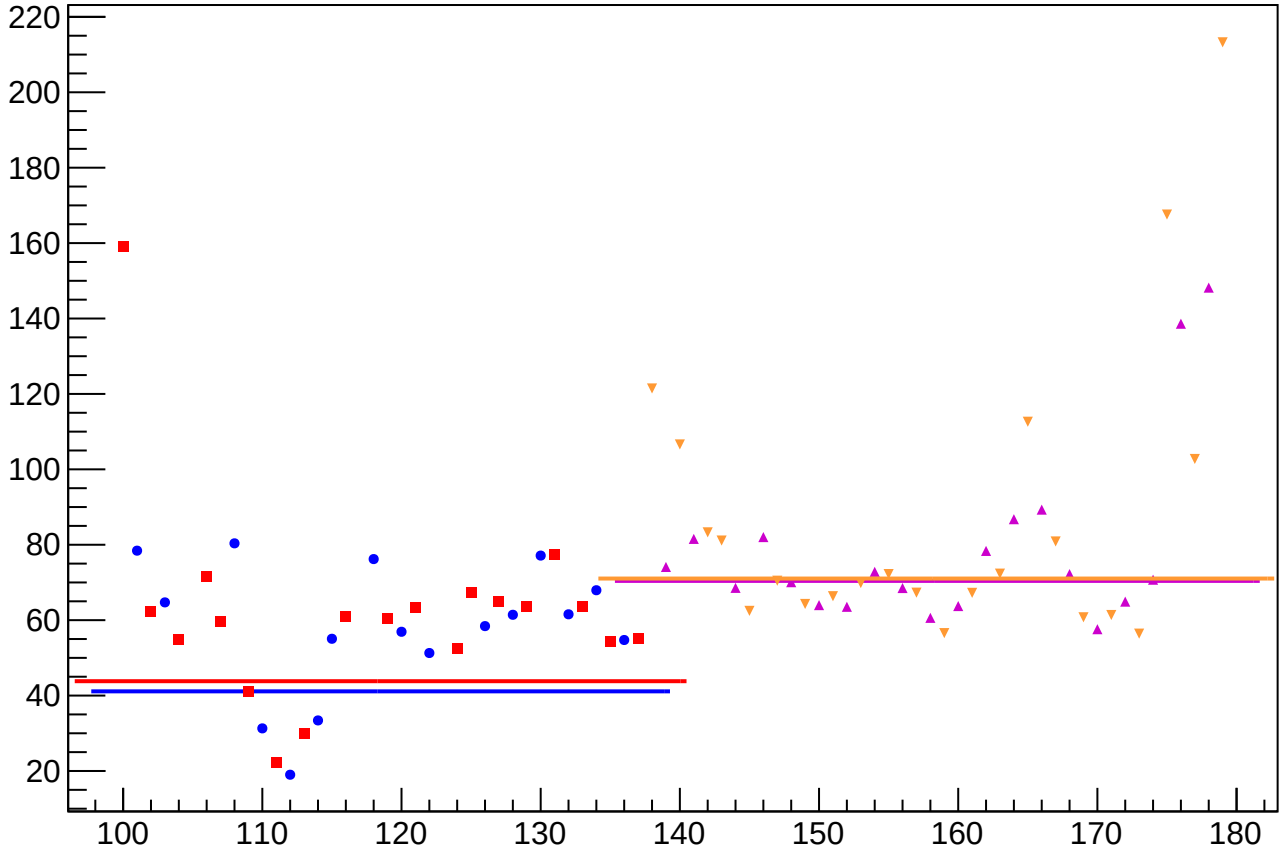
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 86.3/76

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 71.037+/-0.013 χ^2/NDF:2266621.3/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.416+/-0.013 χ^2/NDF:957989.8/19

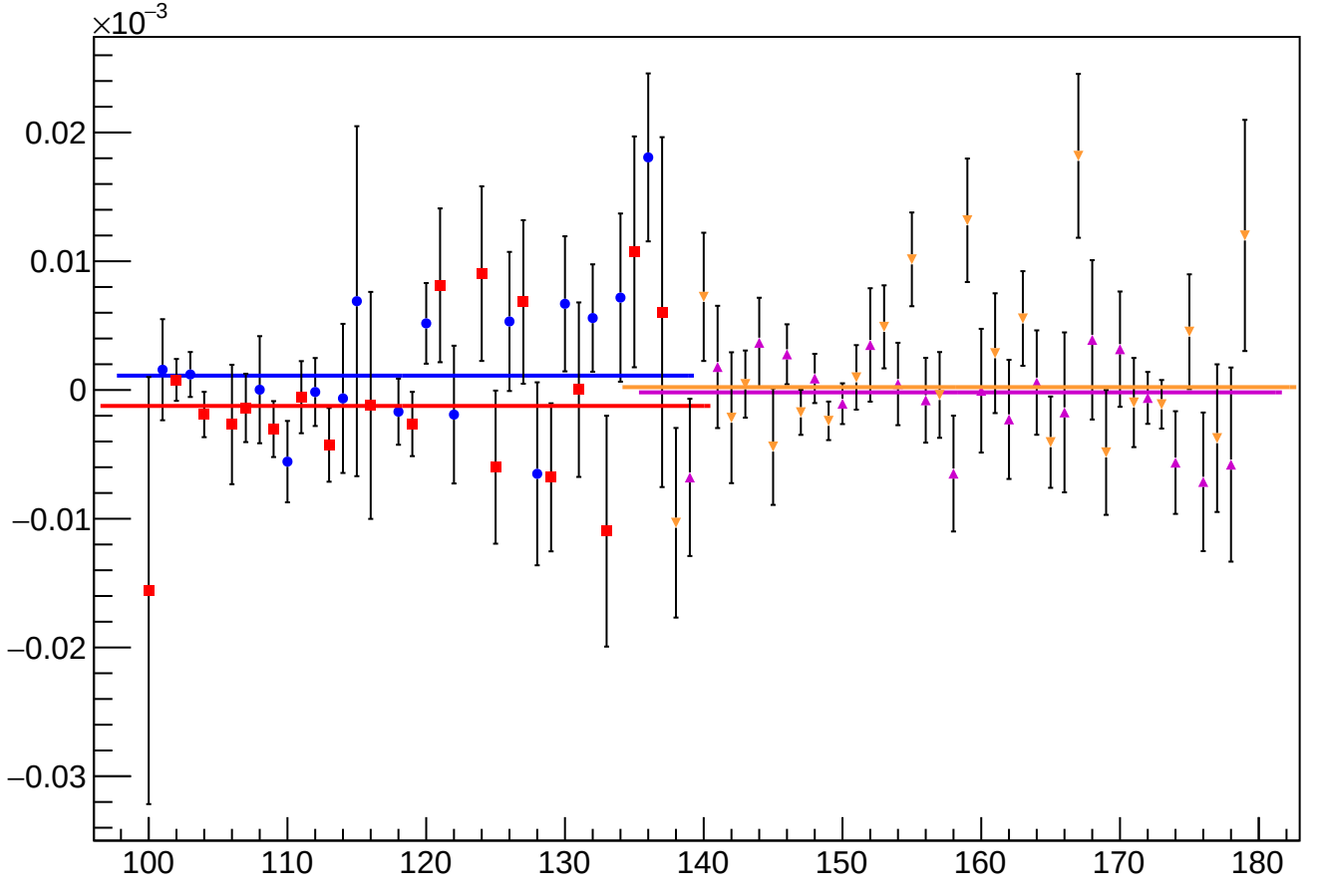
Left: 70.732+/-0.009 χ^2/NDF: 3225773.6/41

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 55.287+/-0.009 χ^2/NDF:6511372.6/35

Out: 57.329+/-0.009 χ^2/NDF:6604668.4/40

All: 56.312+/-0.006 χ^2/NDF: 13141695.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/19

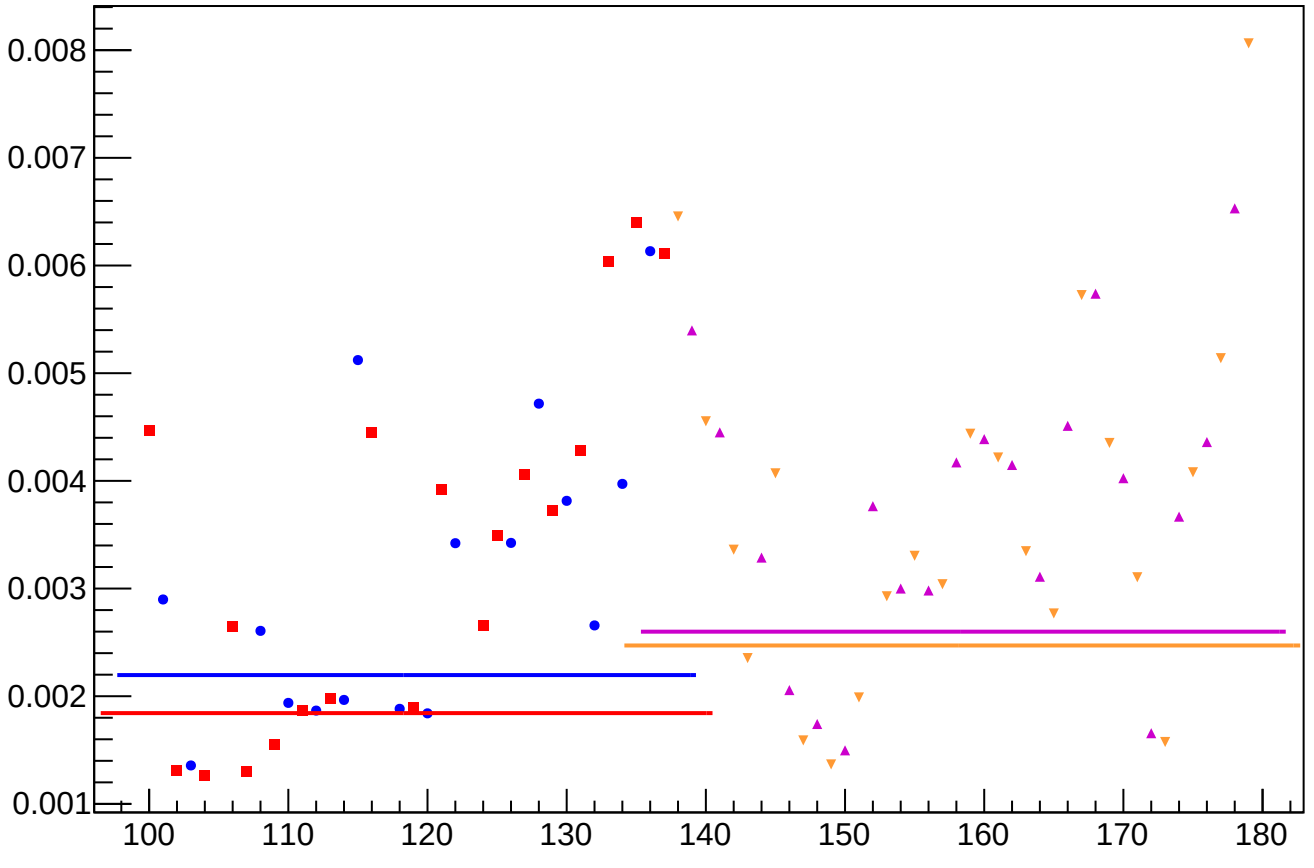
Left: 0.000+/-0.000 χ^2/NDF: 56.4/41

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:34.1/35

Out: -0.000+/-0.000 χ^2/NDF:61.3/40

All: -0.000+/-0.000 χ^2/NDF: 96.3/76



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:6681255.3/21

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:5502801.9/19

Left: 0.003+/-0.000 χ^2/NDF: 12218108.6/41

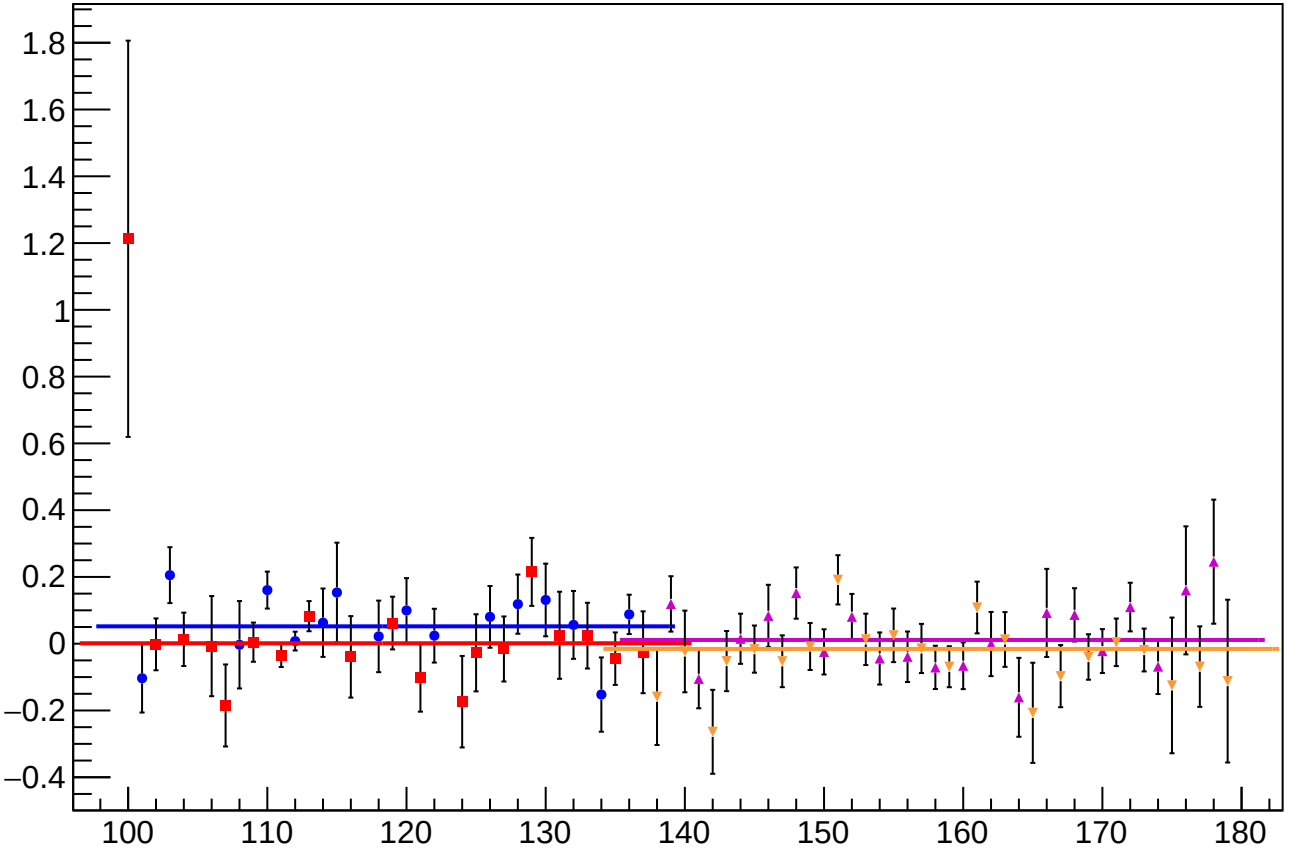
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:8037004.7/35

Out: 0.002+/-0.000 χ^2/NDF:10587138.1/40

All: 0.002+/-0.000 χ^2/NDF: 18830798.4/76

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.4/41

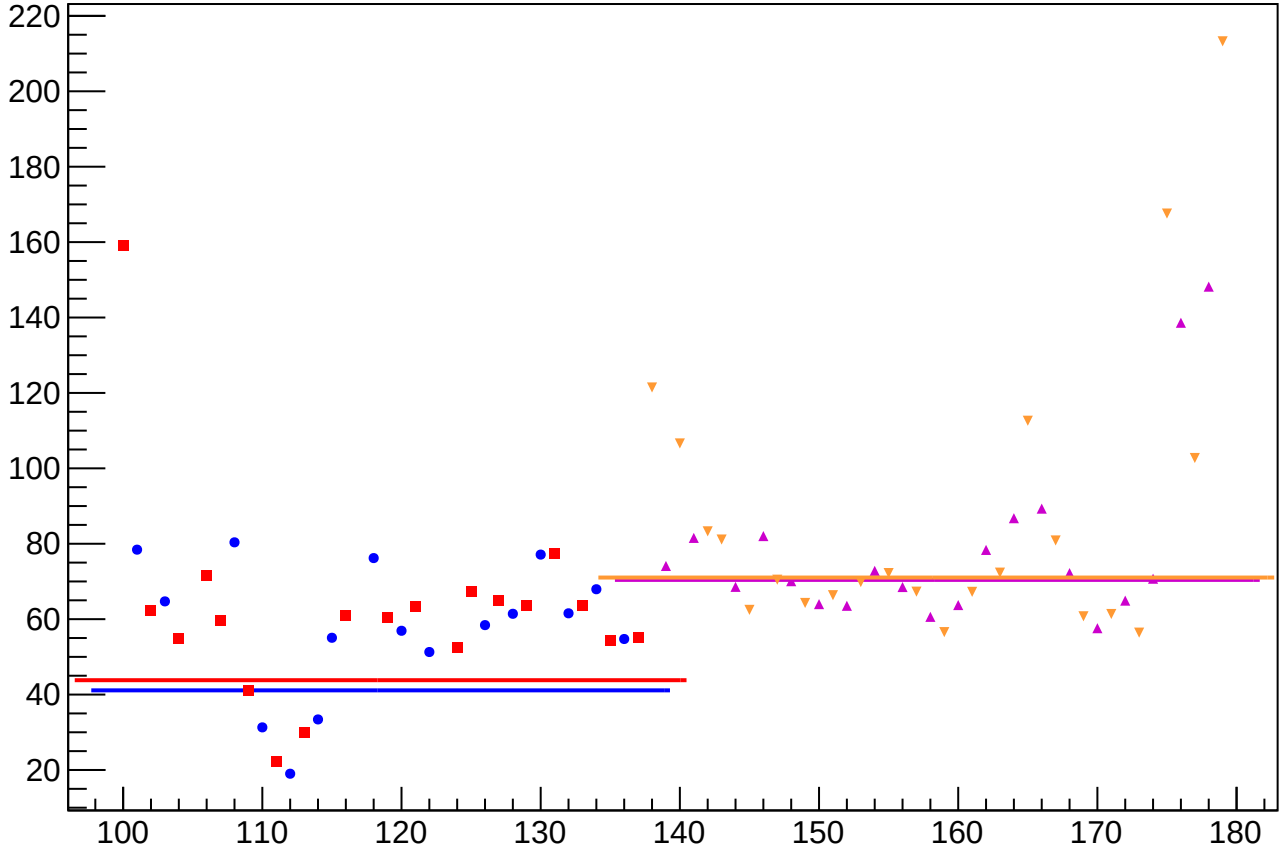
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 86.3/76

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.038+/-0.013 χ^2/NDF:2266578.8/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.417+/-0.013 χ^2/NDF:957943.0/19

Left: 70.733+/-0.009 χ^2/NDF: 3225684.4/41

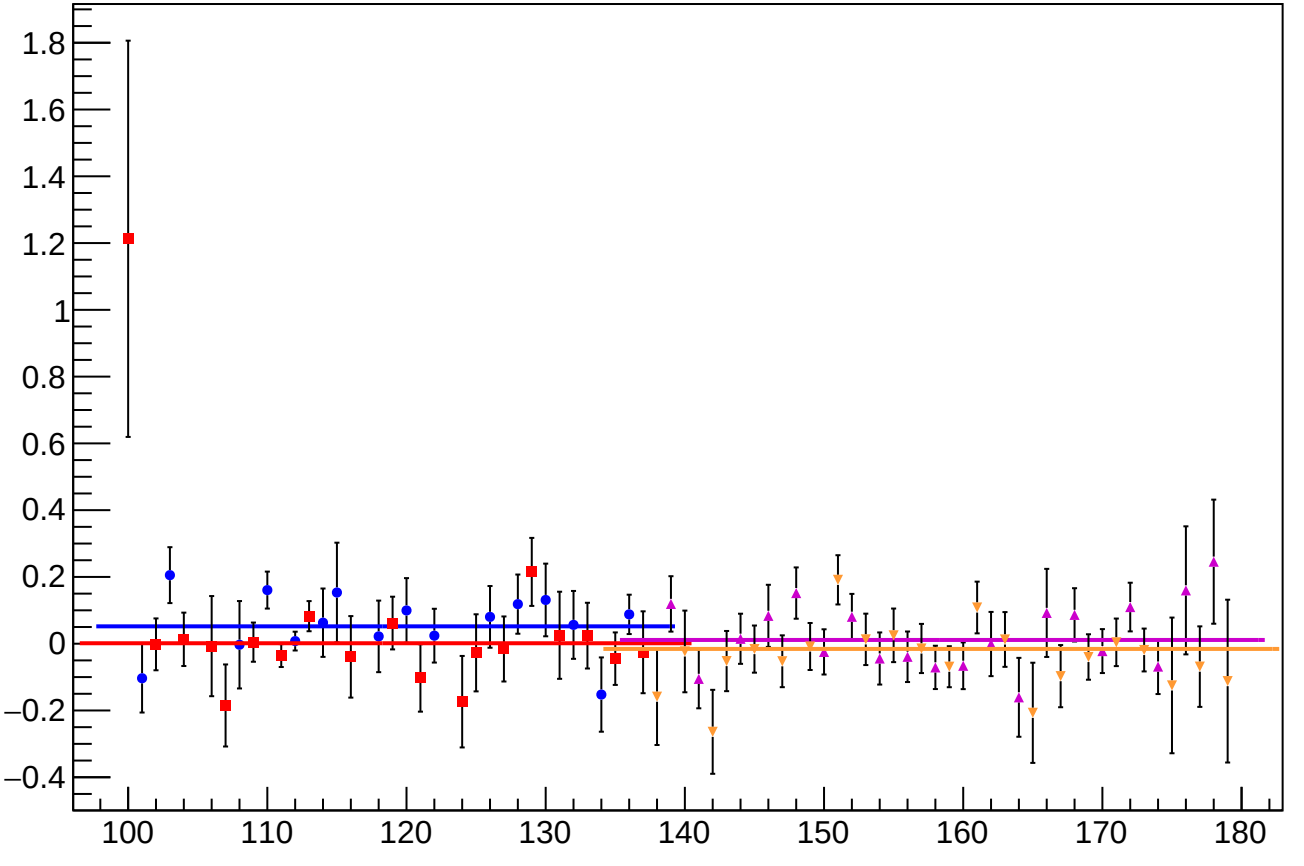
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 55.286+/-0.009 χ^2/NDF:6511773.9/35

Out: 57.328+/-0.009 χ^2/NDF:6605065.7/40

All: 56.311+/-0.006 χ^2/NDF: 13142496.4/76

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-0.018 χ^2/NDF:20.2/21

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.4/41

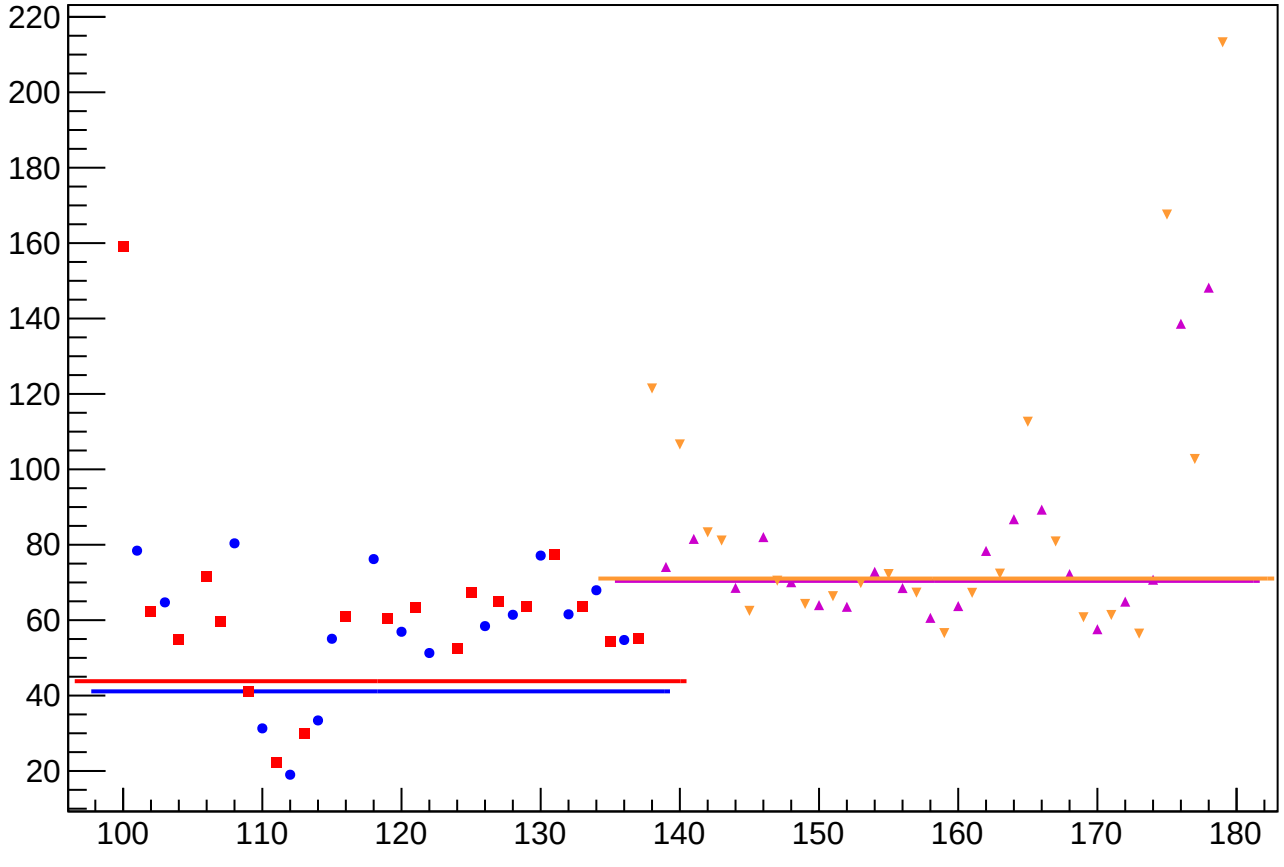
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.9/40

All: 0.013+/-0.009 χ^2/NDF: 86.3/76

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 71.038+/-0.013 χ^2/NDF:2266578.8/21

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.417+/-0.013 χ^2/NDF:957943.0/19

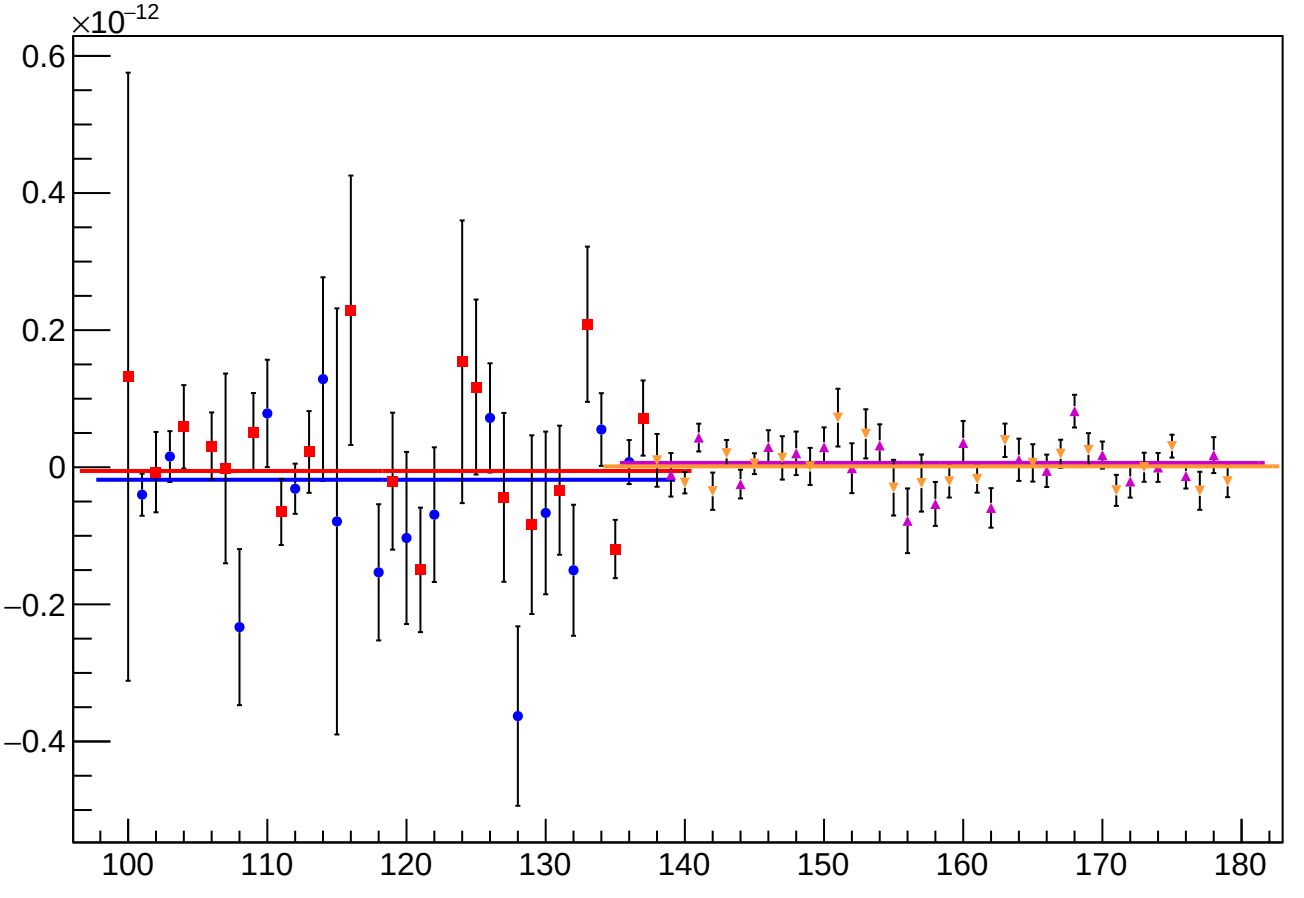
Left: 70.733+/-0.009 χ^2/NDF: 3225684.4/41

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 55.286+/-0.009 χ^2/NDF:6511773.9/35

Out: 57.328+/-0.009 χ^2/NDF:6605065.7/40

All: 56.311+/-0.006 χ^2/NDF: 13142496.4/76



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:34.3/19

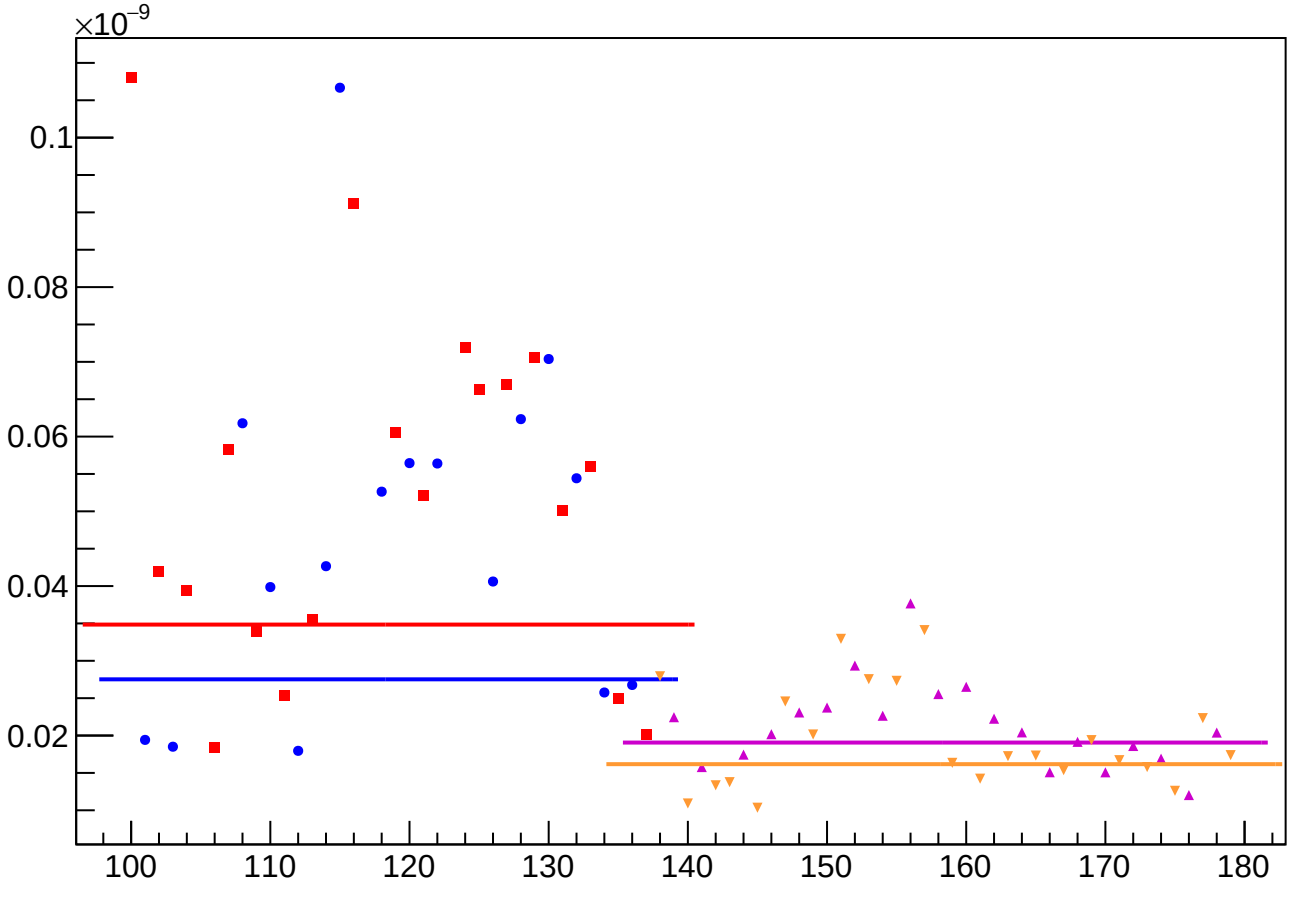
Left: 0.000+/-0.000 χ^2/NDF: 59.5/41

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:59.8/35

Out: 0.000+/-0.000 χ^2/NDF:48.3/40

All: 0.000+/-0.000 χ^2/NDF: 108.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2243689.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1355438.6/19

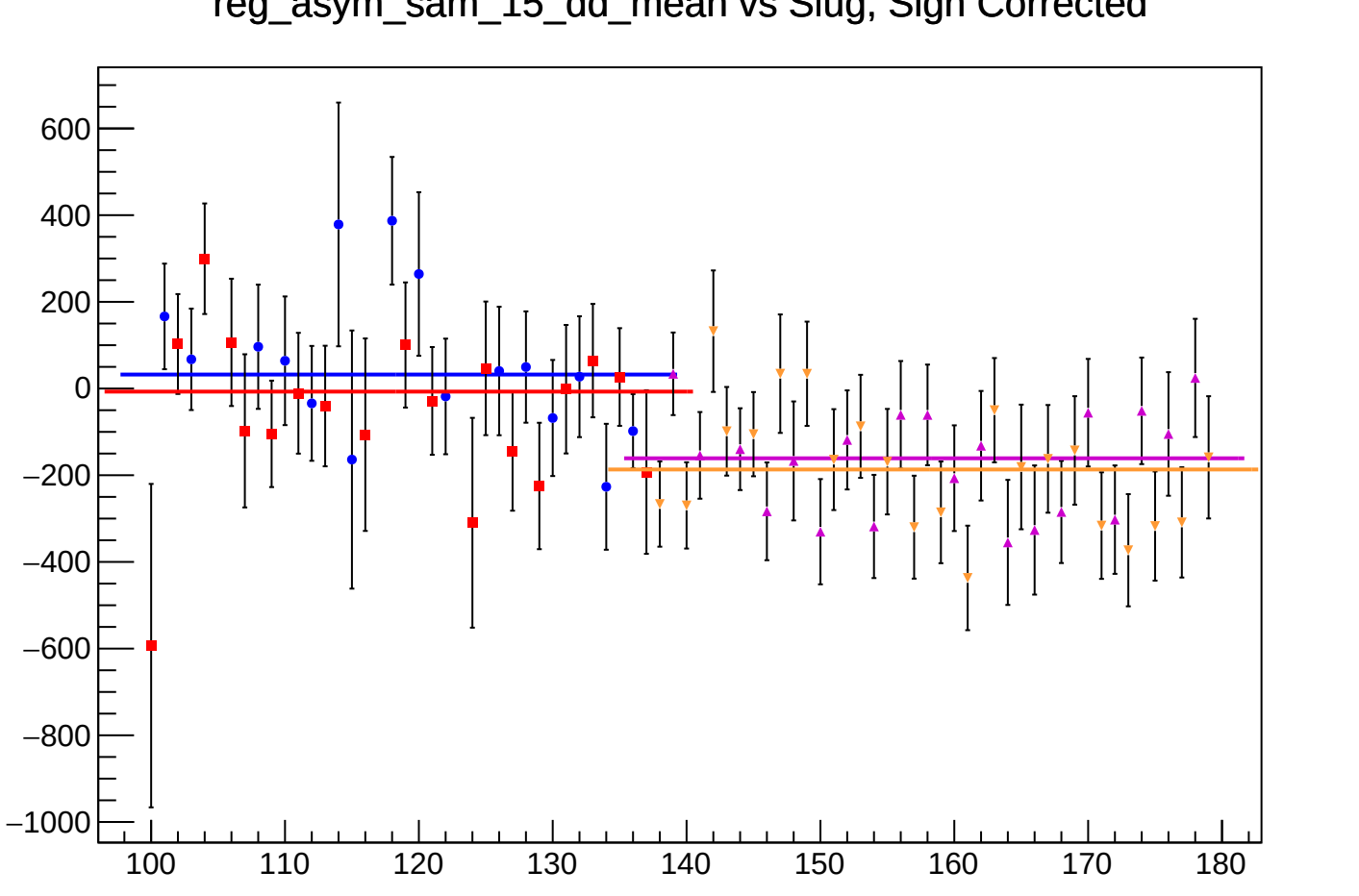
Left: 0.000+/-0.000 χ^2/NDF: 3889745.2/41

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3750996.4/35

Out: 0.000+/-0.000 χ^2/NDF:6219151.5/40

All: 0.000+/-0.000 χ^2/NDF: 10216818.7/76



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -160.945+/-26.715 χ^2/NDF:19.8/19

Left: -174.505+/-18.404 χ^2/NDF: 48.0/41

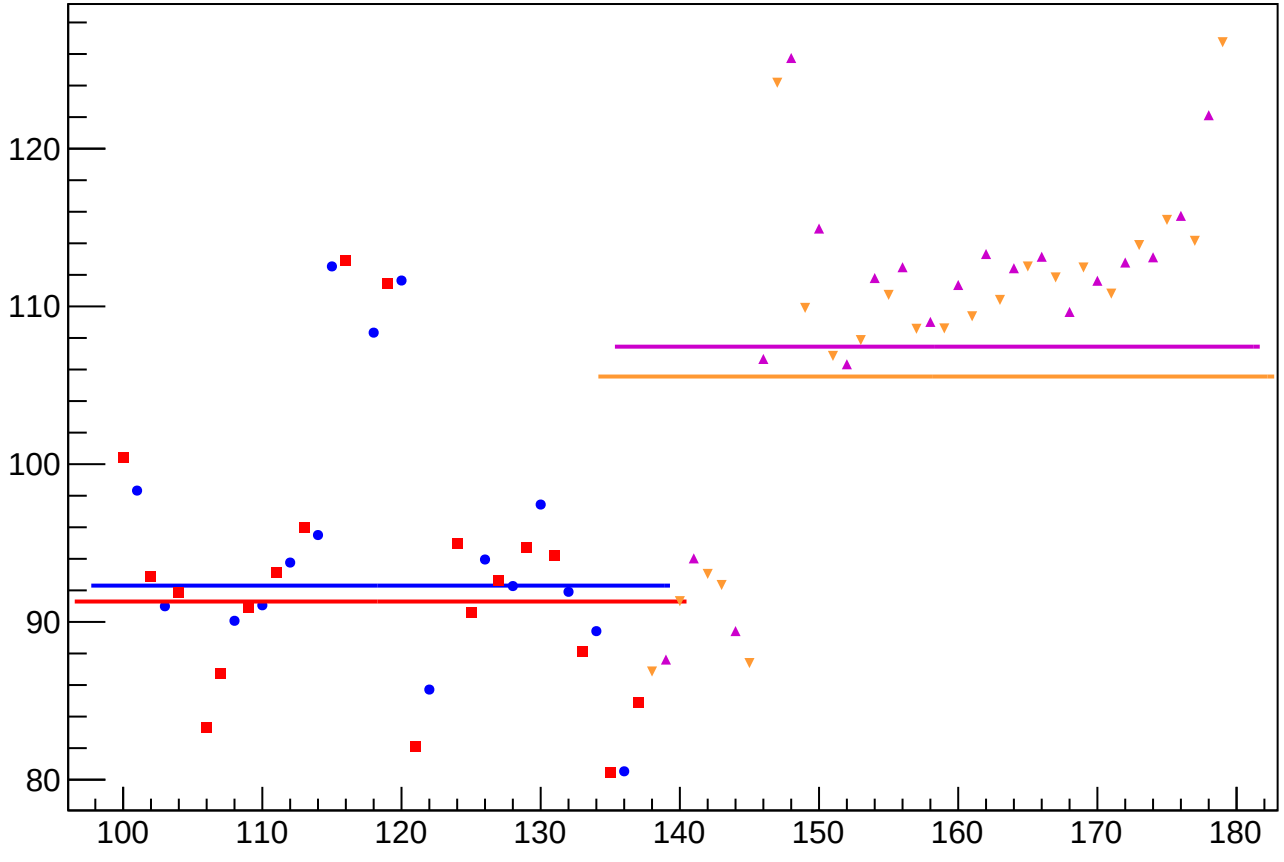
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -88.322+/-21.106 χ^2/NDF:56.7/35

Out: -120.999+/-20.217 χ^2/NDF:63.8/40

All: -105.363+/-14.600 χ^2/NDF: 121.8/76

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

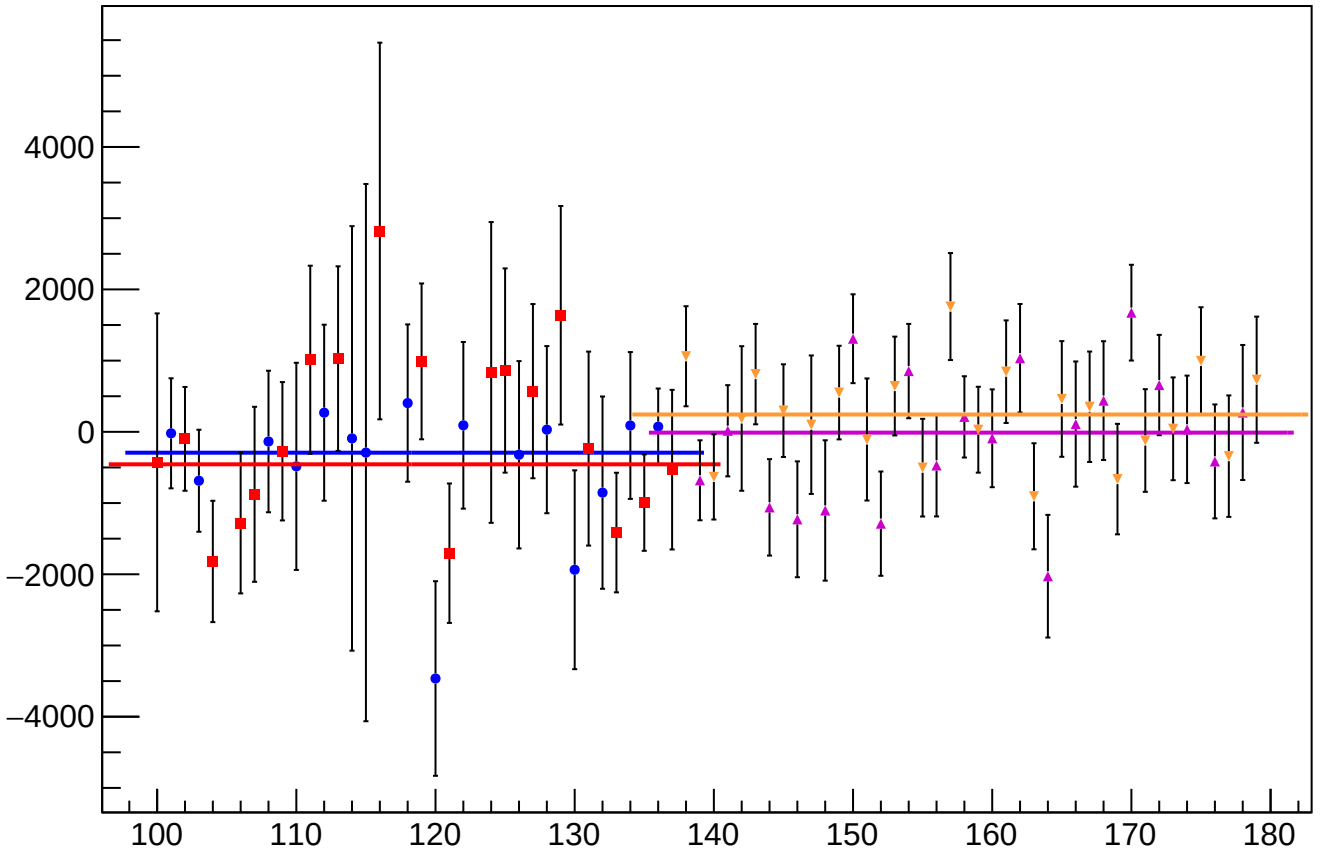
Left: 106.454+/-0.013 χ^2/NDF: 682611.0/41

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 101.757+/-0.015 χ^2/NDF:646627.3/35

Out: 100.337+/-0.014 χ^2/NDF:715430.8/40

All: 101.016+/-0.010 χ^2/NDF: 1366779.9/76



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.427+/-157.229 χ^2/NDF:16.9/21

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -11.166+/-160.858 χ^2/NDF:32.3/19

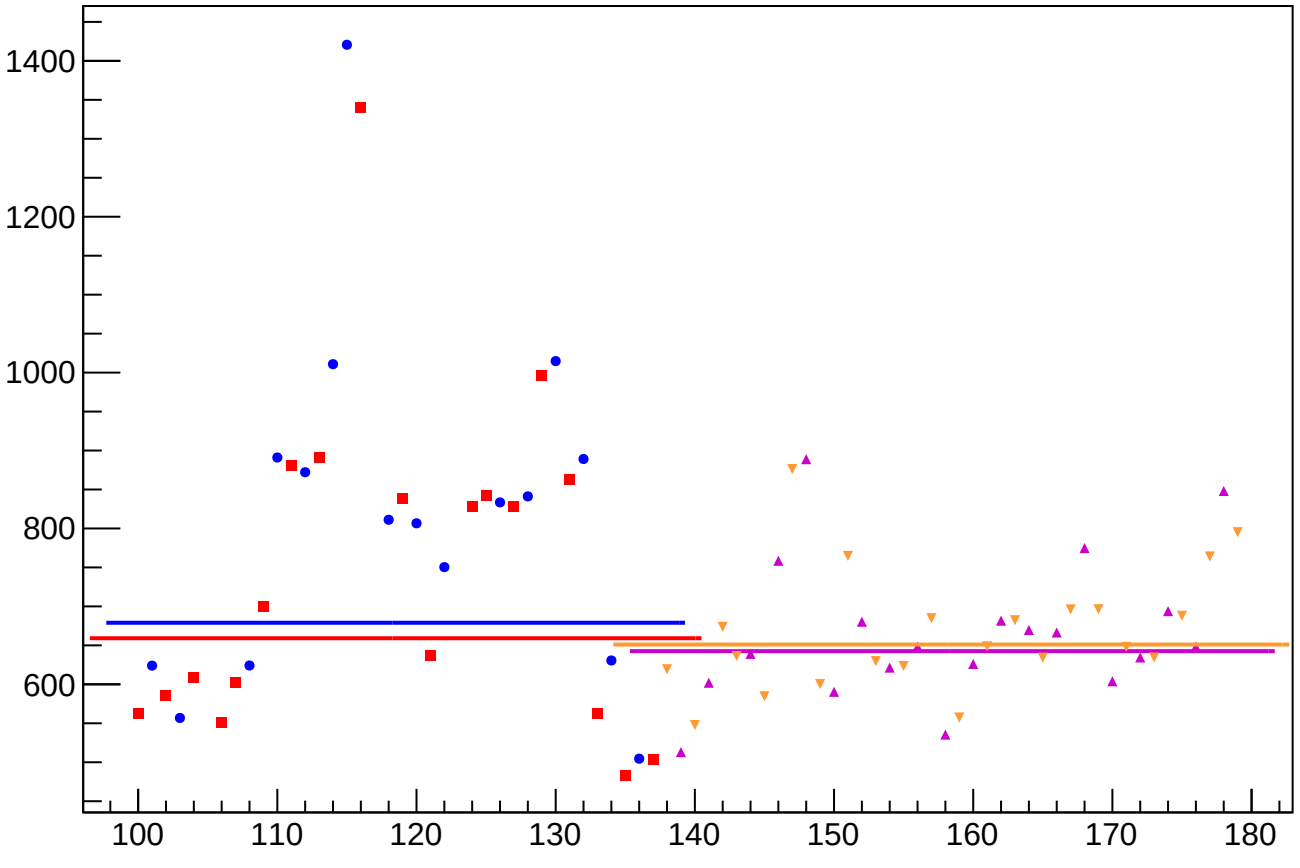
Left: 119.035+/-112.439 χ^2/NDF: 50.5/41

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -89.248+/-136.749 χ^2/NDF:41.9/35

Out: 43.773+/-132.900 χ^2/NDF:39.4/40

All: -20.839+/-95.306 χ^2/NDF: 81.9/76



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 651.054+/-0.111 χ^2/NDF:410129.7/21

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 642.566+/-0.114 χ^2/NDF:542315.0/19

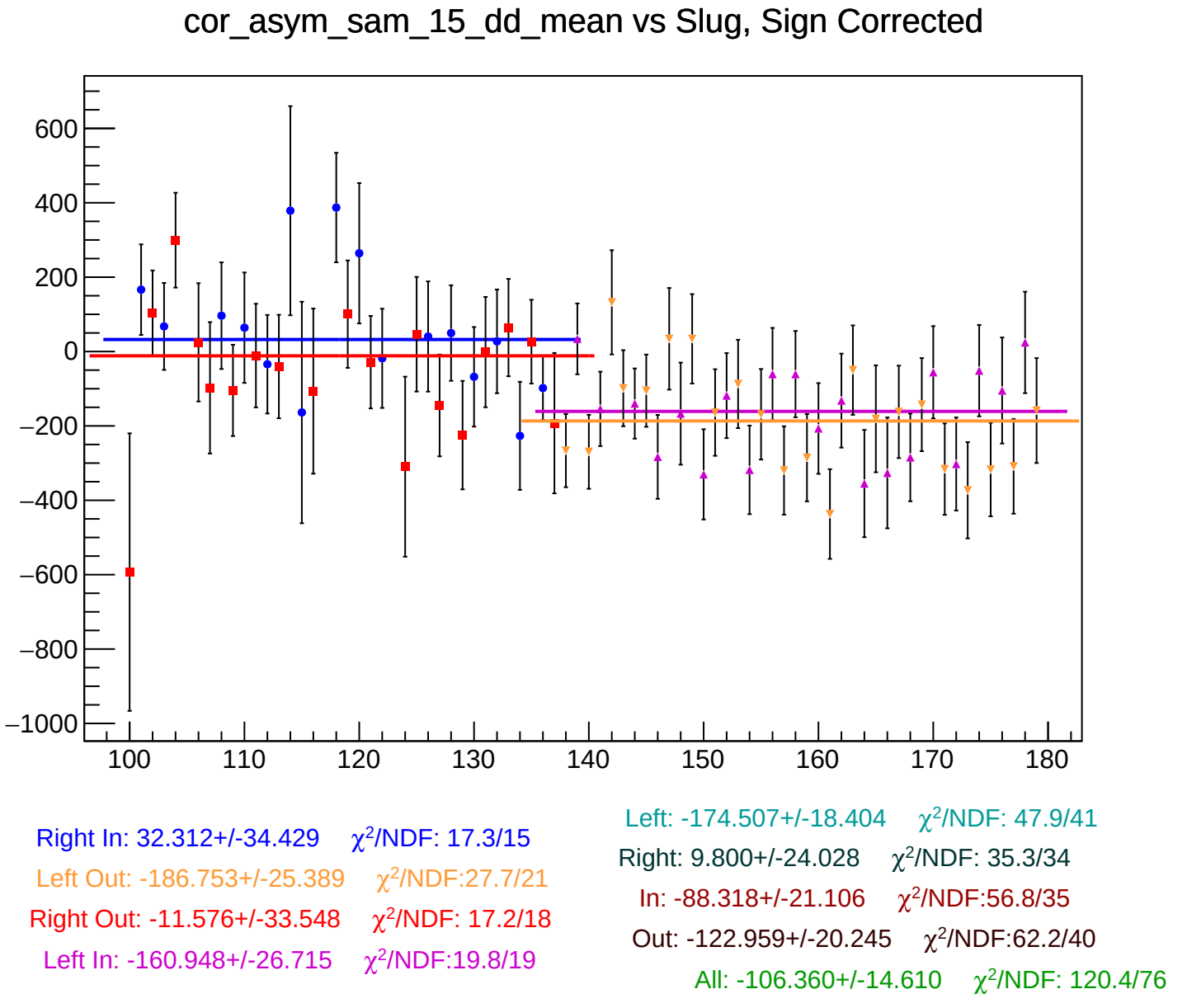
Left: 646.907+/-0.080 χ^2/NDF: 955293.0/41

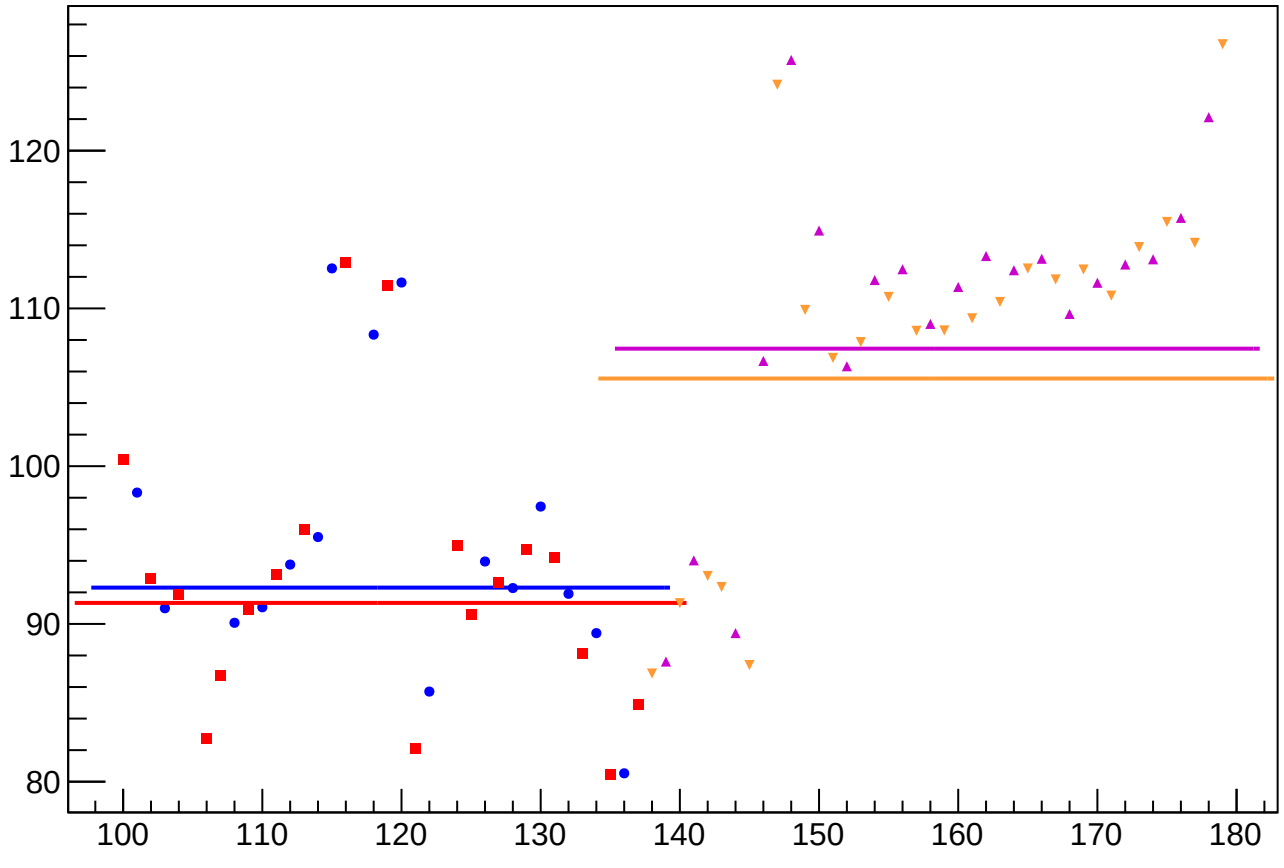
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 652.669+/-0.097 χ^2/NDF:1338753.9/35

Out: 653.361+/-0.094 χ^2/NDF:1207515.2/40

All: 653.025+/-0.067 χ^2/NDF: 2546295.4/76


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -186.753+/-25.389 χ²/NDF:27.7/21
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -160.948+/-26.715 χ²/NDF:19.8/19
Left: -174.507+/-18.404 χ²/NDF: 47.9/41
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -88.318+/-21.106 χ²/NDF:56.8/35
Out: -122.959+/-20.245 χ²/NDF:62.2/40
All: -106.360+/-14.610 χ²/NDF: 120.4/76



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

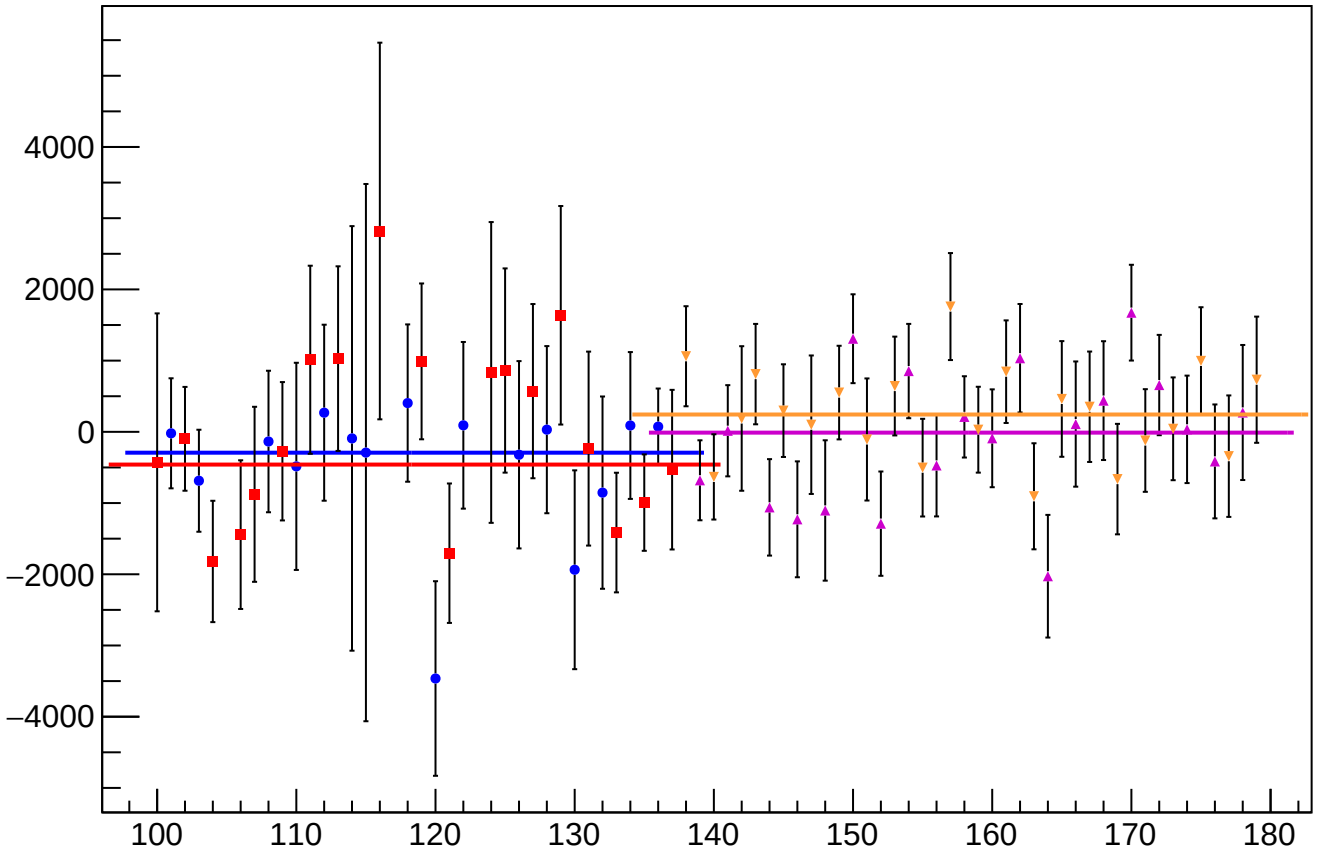
Left: 106.454+/-0.013 χ^2/NDF: 682611.1/41

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.757+/-0.015 χ^2/NDF:646627.2/35

Out: 100.376+/-0.014 χ^2/NDF:712895.0/40

All: 101.038+/-0.010 χ^2/NDF: 1363979.8/76



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.424+/-157.229 χ^2/NDF:16.9/21

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -11.169+/-160.858 χ^2/NDF:32.3/19

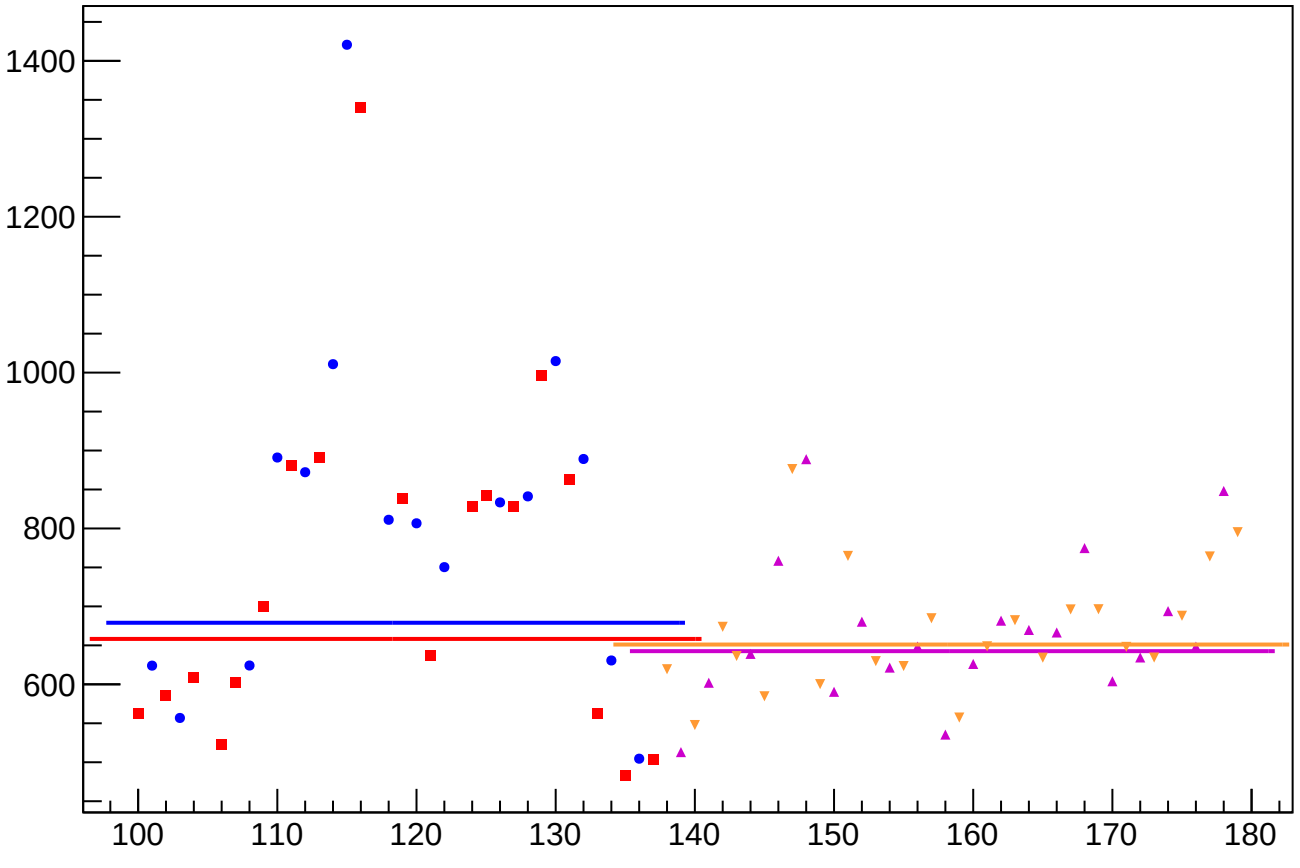
Left: 119.032+/-112.439 χ^2/NDF: 50.5/41

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -89.249+/-136.749 χ^2/NDF:41.9/35

Out: 43.645+/-133.026 χ^2/NDF:39.7/40

All: -20.968+/-95.353 χ^2/NDF: 82.1/76



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 642.566+/-0.114 χ^2/NDF:542316.7/19

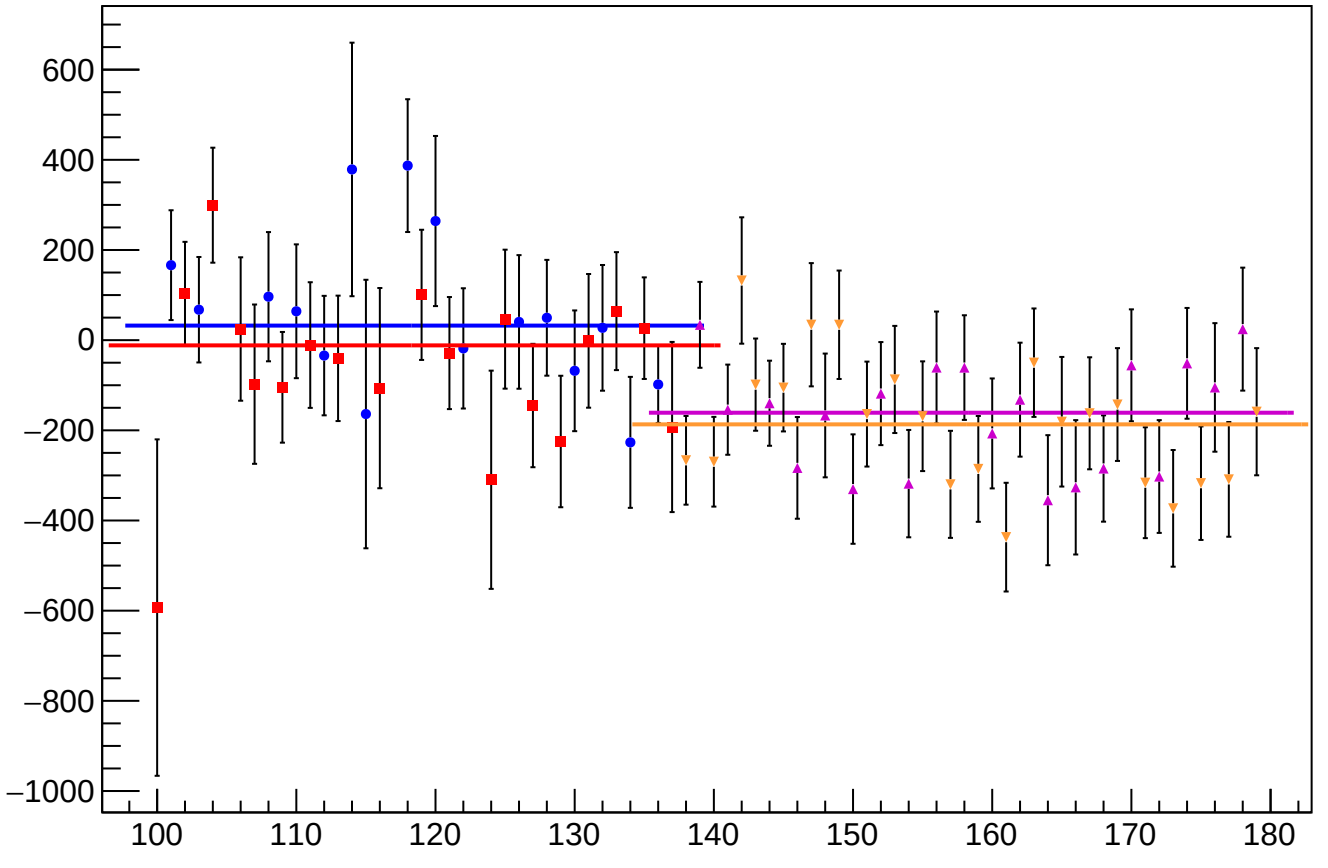
Left: 646.907+/-0.080 χ^2/NDF: 955295.5/41

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 652.669+/-0.097 χ^2/NDF:1338757.1/35

Out: 653.103+/-0.094 χ^2/NDF:1217222.8/40

All: 652.892+/-0.067 χ^2/NDF: 2555990.2/76



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -186.753+/-25.389 χ^2/NDF:27.7/21

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -160.948+/-26.715 χ^2/NDF:19.8/19

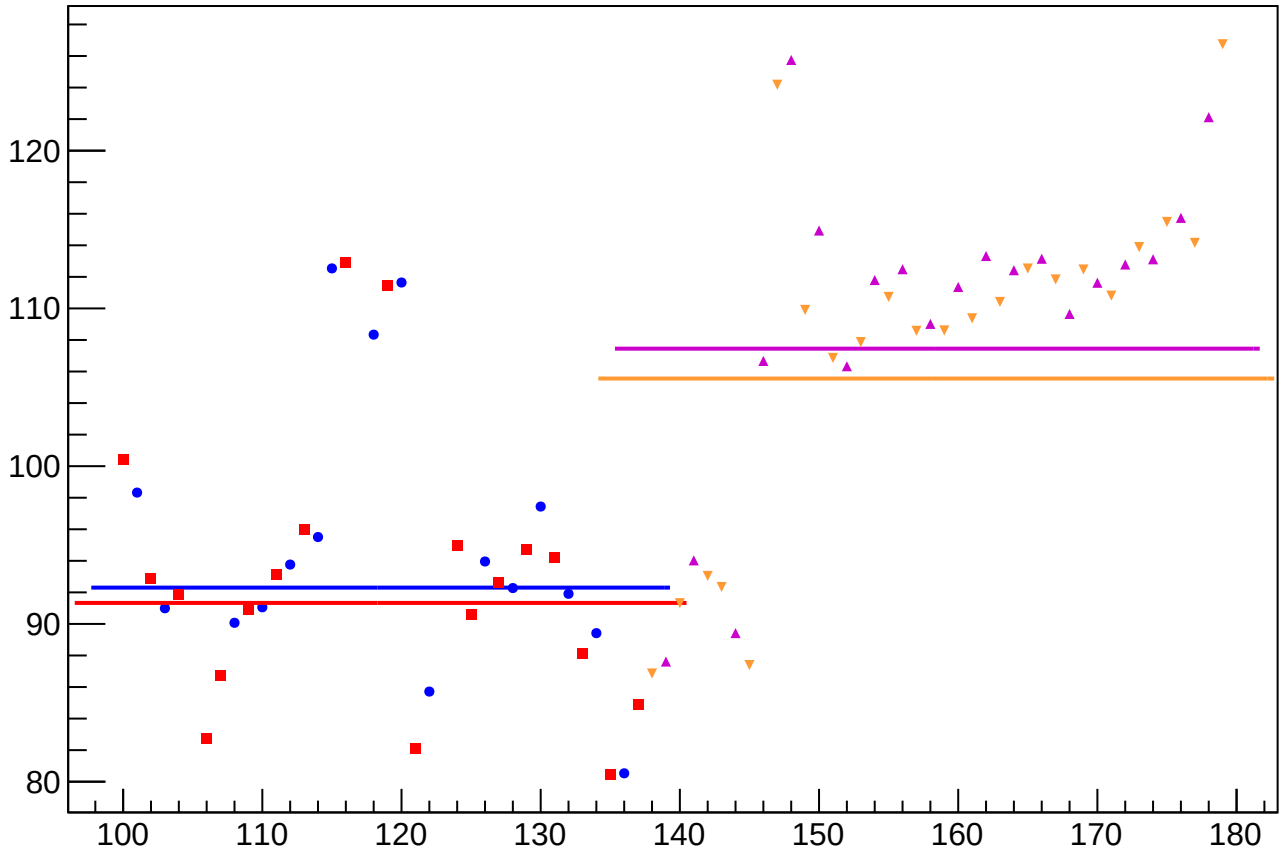
Left: -174.507+/-18.404 χ^2/NDF: 47.9/41

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -88.318+/-21.106 χ^2/NDF:56.8/35

Out: -122.959+/-20.245 χ^2/NDF:62.2/40

All: -106.360+/-14.610 χ^2/NDF: 120.4/76



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 105.556+/-0.018 χ^2/NDF:379388.4/21

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 107.449+/-0.019 χ^2/NDF:297945.2/19

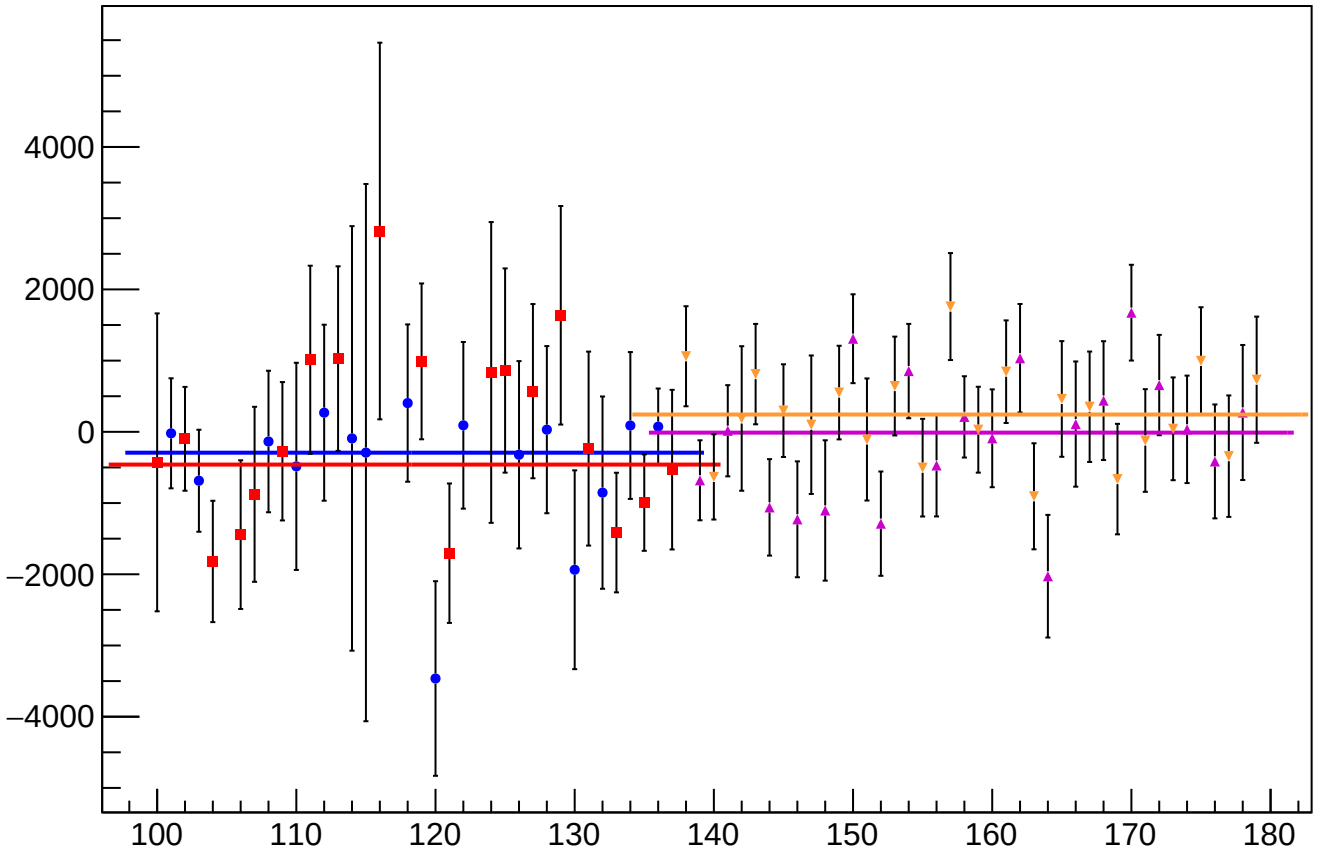
Left: 106.454+/-0.013 χ^2/NDF: 682611.1/41

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.757+/-0.015 χ^2/NDF:646627.2/35

Out: 100.376+/-0.014 χ^2/NDF:712895.0/40

All: 101.038+/-0.010 χ^2/NDF: 1363979.8/76



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 243.424+/-157.229 χ^2/NDF:16.9/21

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -11.169+/-160.858 χ^2/NDF:32.3/19

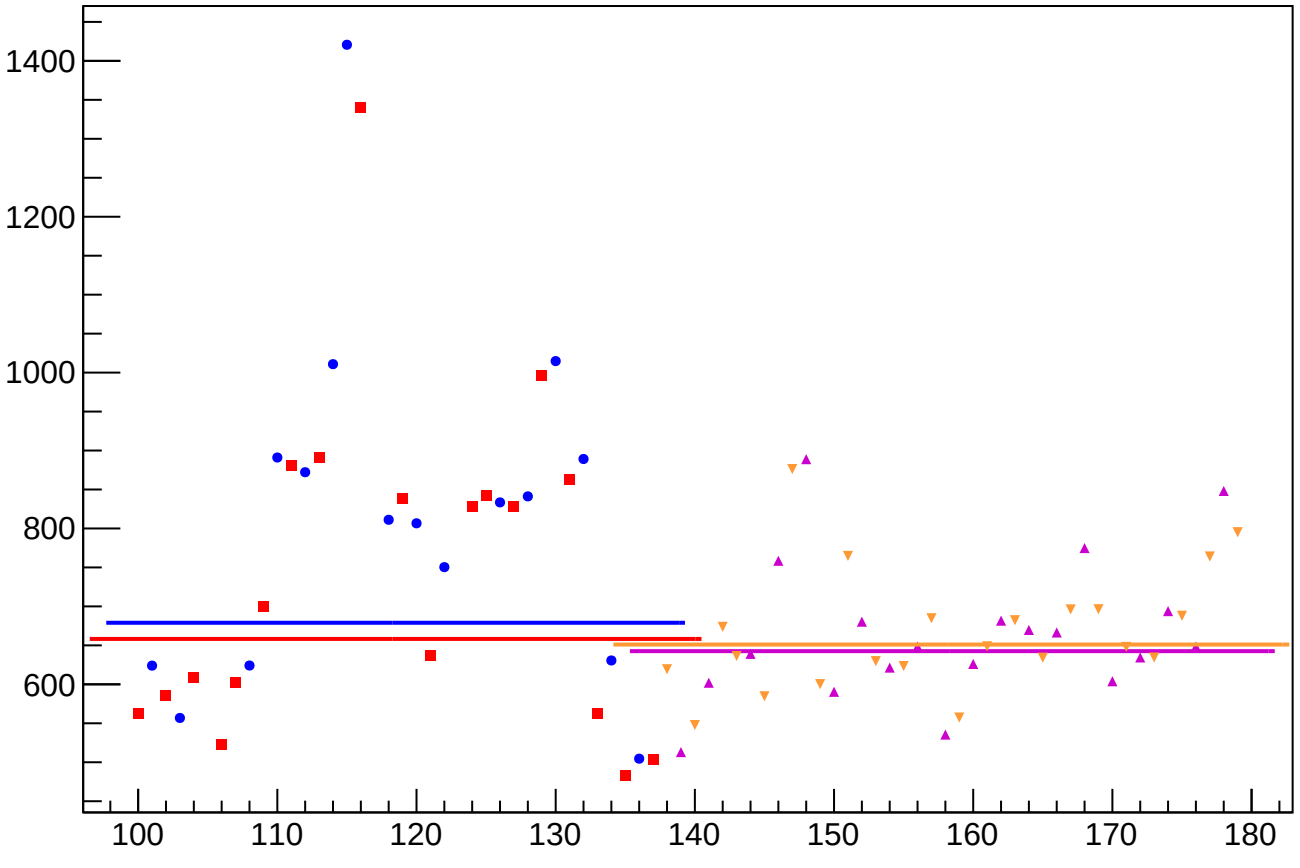
Left: 119.032+/-112.439 χ^2/NDF: 50.5/41

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -89.249+/-136.749 χ^2/NDF:41.9/35

Out: 43.645+/-133.026 χ^2/NDF:39.7/40

All: -20.968+/-95.353 χ^2/NDF: 82.1/76



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 651.055+/-0.111 χ^2/NDF:410130.4/21

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 642.566+/-0.114 χ^2/NDF:542316.7/19

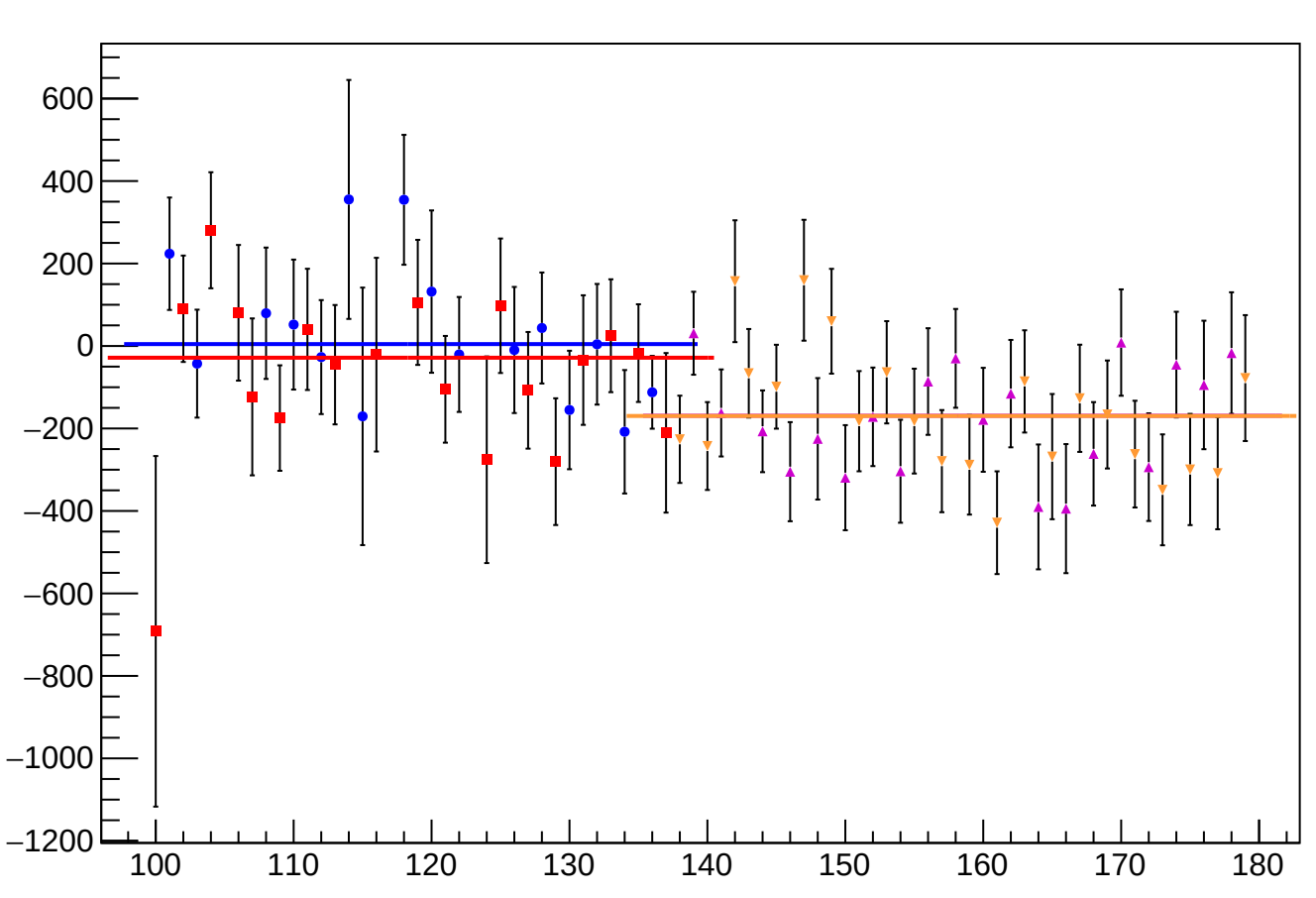
Left: 646.907+/-0.080 χ^2/NDF: 955295.5/41

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 652.669+/-0.097 χ^2/NDF:1338757.1/35

Out: 653.103+/-0.094 χ^2/NDF:1217222.8/40

All: 652.892+/-0.067 χ^2/NDF: 2555990.2/76



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -169.663+/-26.717 χ^2/NDF:27.8/21

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -169.150+/-28.084 χ^2/NDF:19.8/19

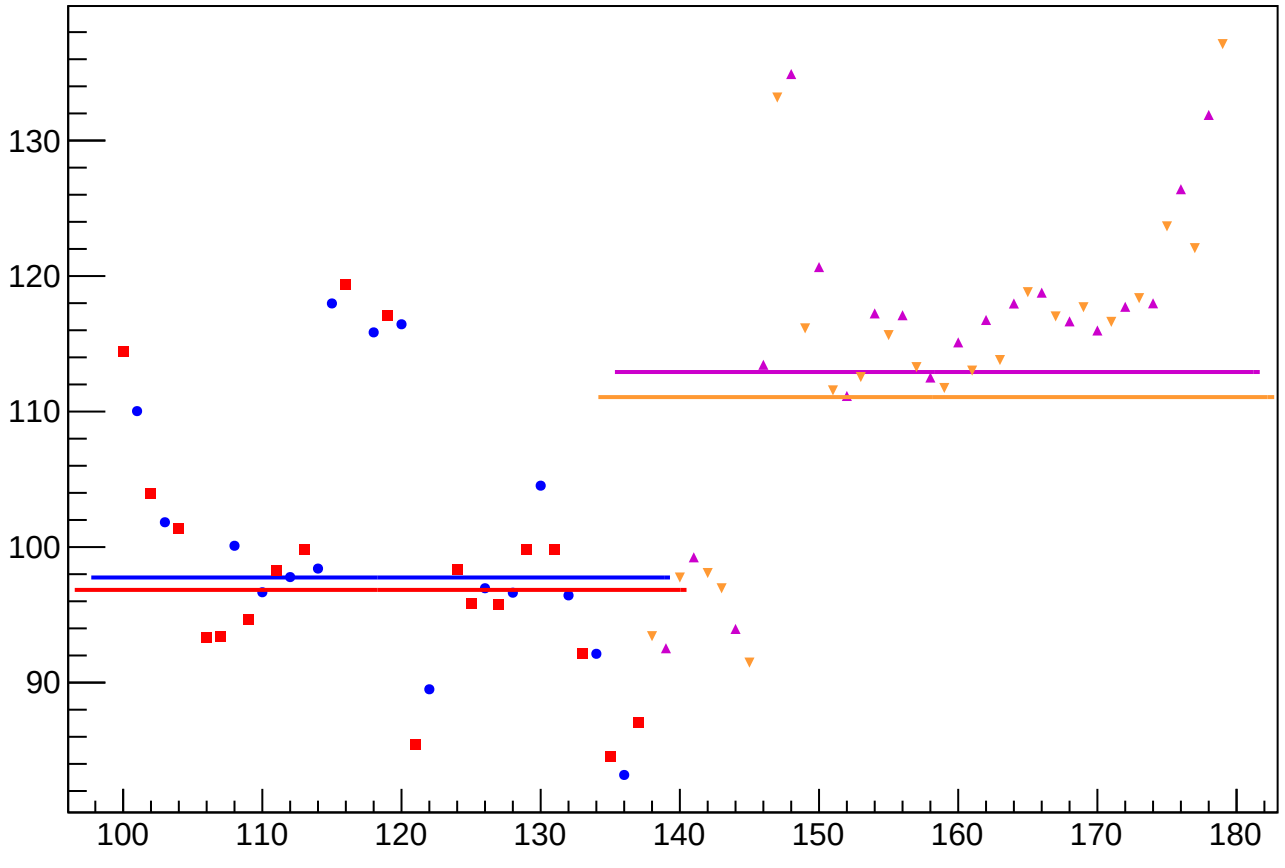
Left: -169.419+/-19.357 χ^2/NDF: 47.6/41

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -104.550+/-22.260 χ^2/NDF:49.4/35

Out: -118.522+/-21.339 χ^2/NDF:55.0/40

All: -111.831+/-15.404 χ^2/NDF: 104.6/76



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 111.068+/-0.019 χ^2/NDF:377627.2/21

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 112.918+/-0.020 χ^2/NDF:310087.6/19

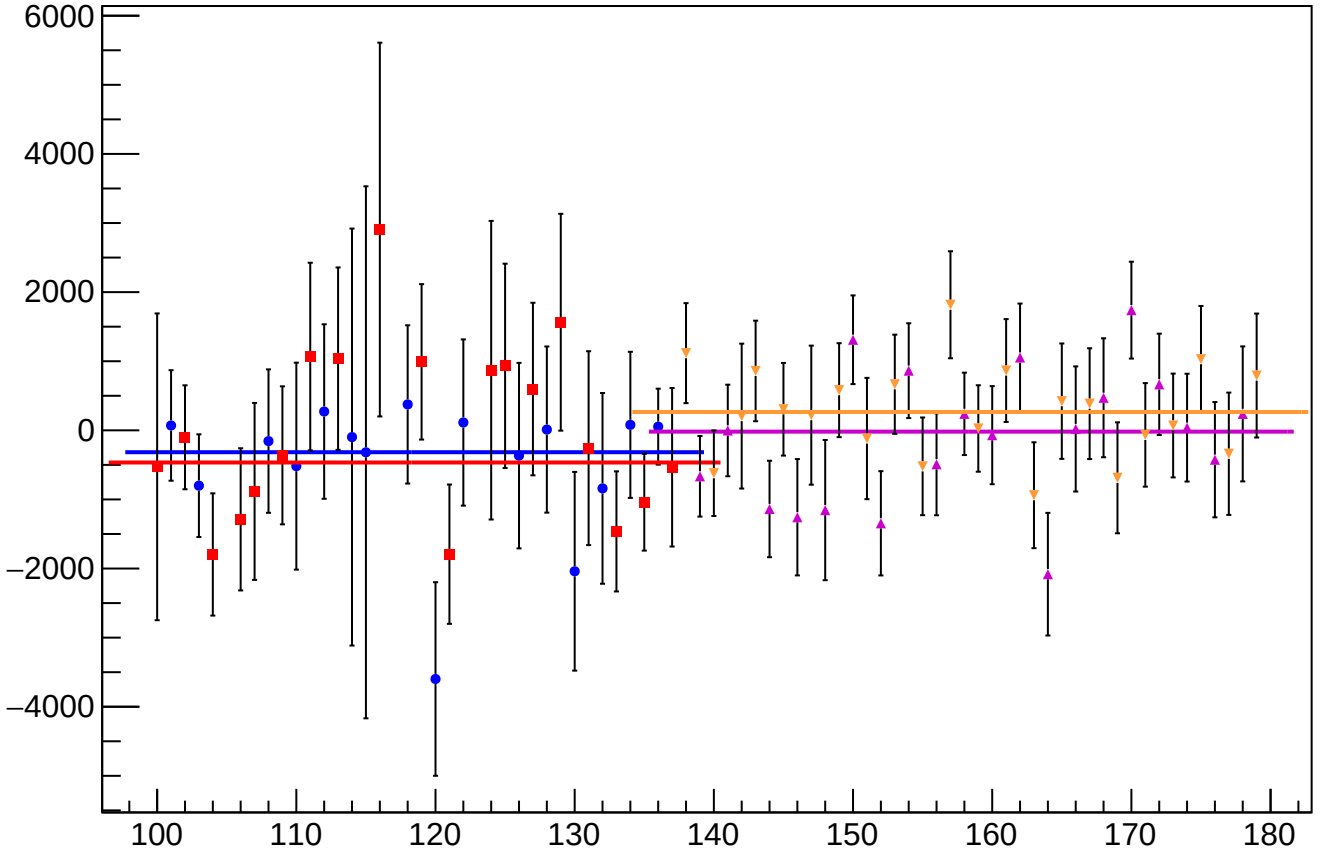
Left: 111.947+/-0.014 χ^2/NDF: 692272.3/41

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 107.282+/-0.016 χ^2/NDF:667459.2/35

Out: 105.917+/-0.015 χ^2/NDF:698161.8/40

All: 106.570+/-0.011 χ^2/NDF: 1369540.1/76



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -18.833+/-166.431 χ^2/NDF:32.0/19

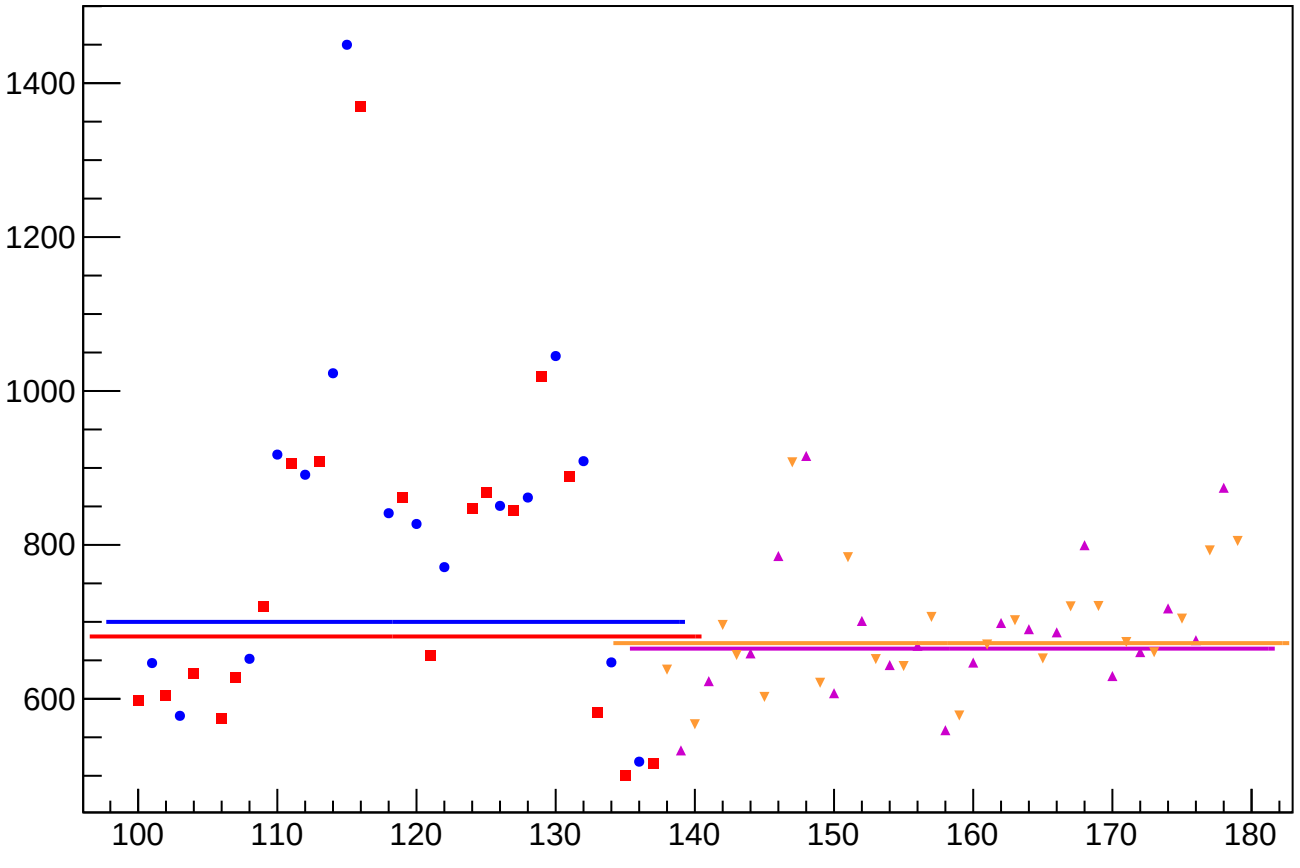
Left: 126.804+/-116.192 χ^2/NDF: 50.3/41

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -101.916+/-141.315 χ^2/NDF:42.0/35

Out: 56.518+/-137.166 χ^2/NDF:39.2/40

All: -20.340+/-98.425 χ^2/NDF: 81.8/76



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 665.216+/-0.118 χ^2/NDF:522413.0/19

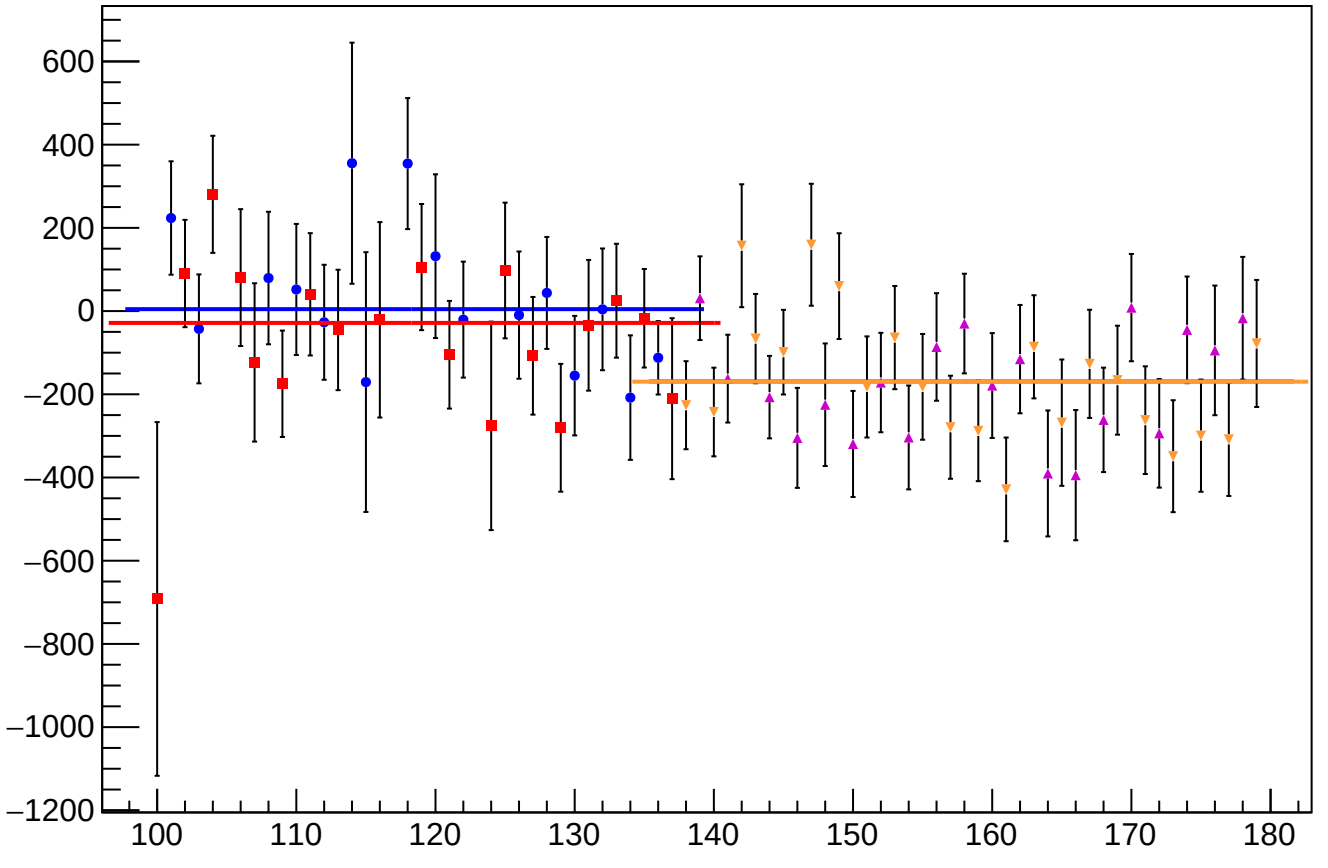
Left: 668.887+/-0.082 χ^2/NDF: 920923.3/41

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 674.915+/-0.100 χ^2/NDF:1300417.8/35

Out: 674.845+/-0.097 χ^2/NDF:1167629.2/40

All: 674.879+/-0.070 χ^2/NDF: 2468047.3/76



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -169.664+/-26.717 χ^2/NDF:27.8/21

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -169.150+/-28.084 χ^2/NDF:19.8/19

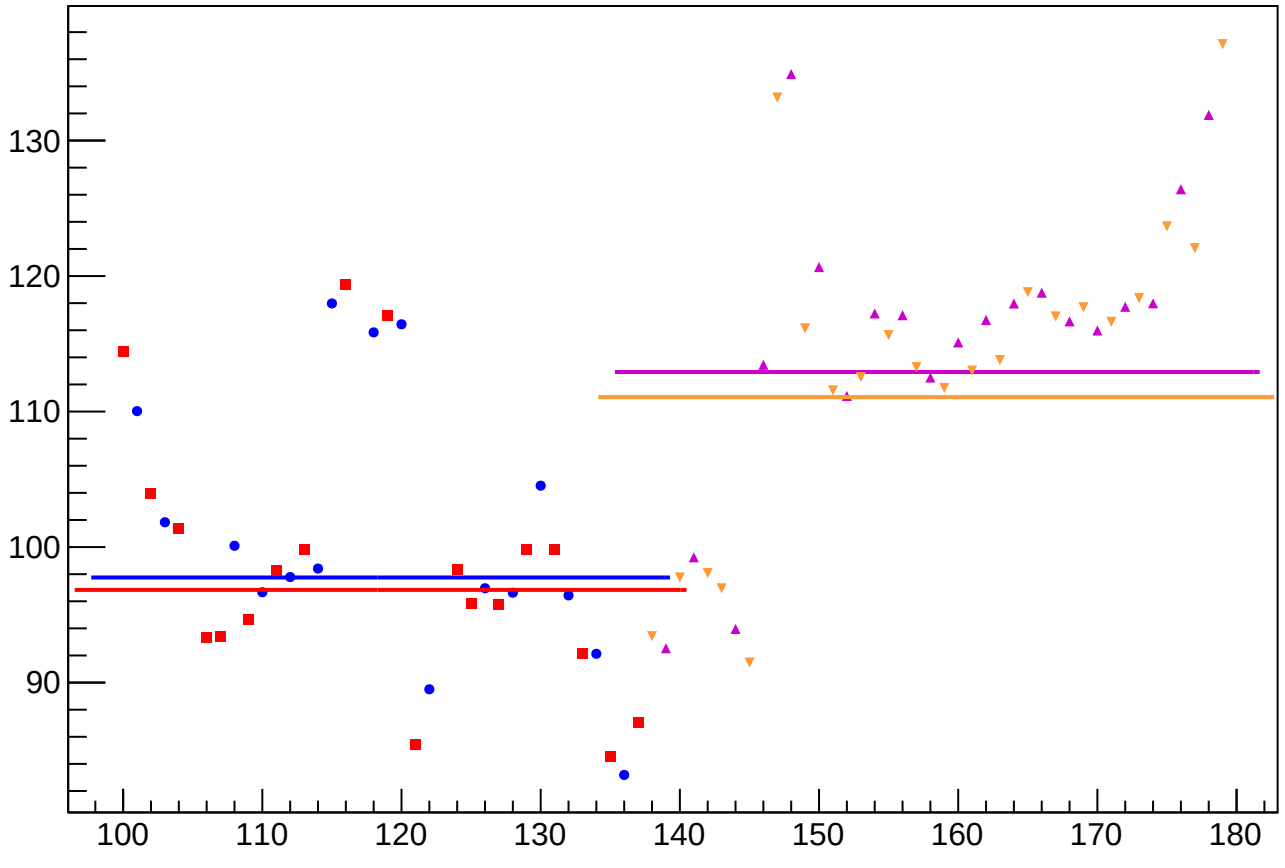
Left: -169.420+/-19.357 χ^2/NDF: 47.6/41

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -104.550+/-22.260 χ^2/NDF:49.4/35

Out: -118.522+/-21.339 χ^2/NDF:55.0/40

All: -111.831+/-15.404 χ^2/NDF: 104.6/76



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 111.068+/-0.019 χ^2/NDF:377623.6/21

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.918+/-0.020 χ^2/NDF:310083.2/19

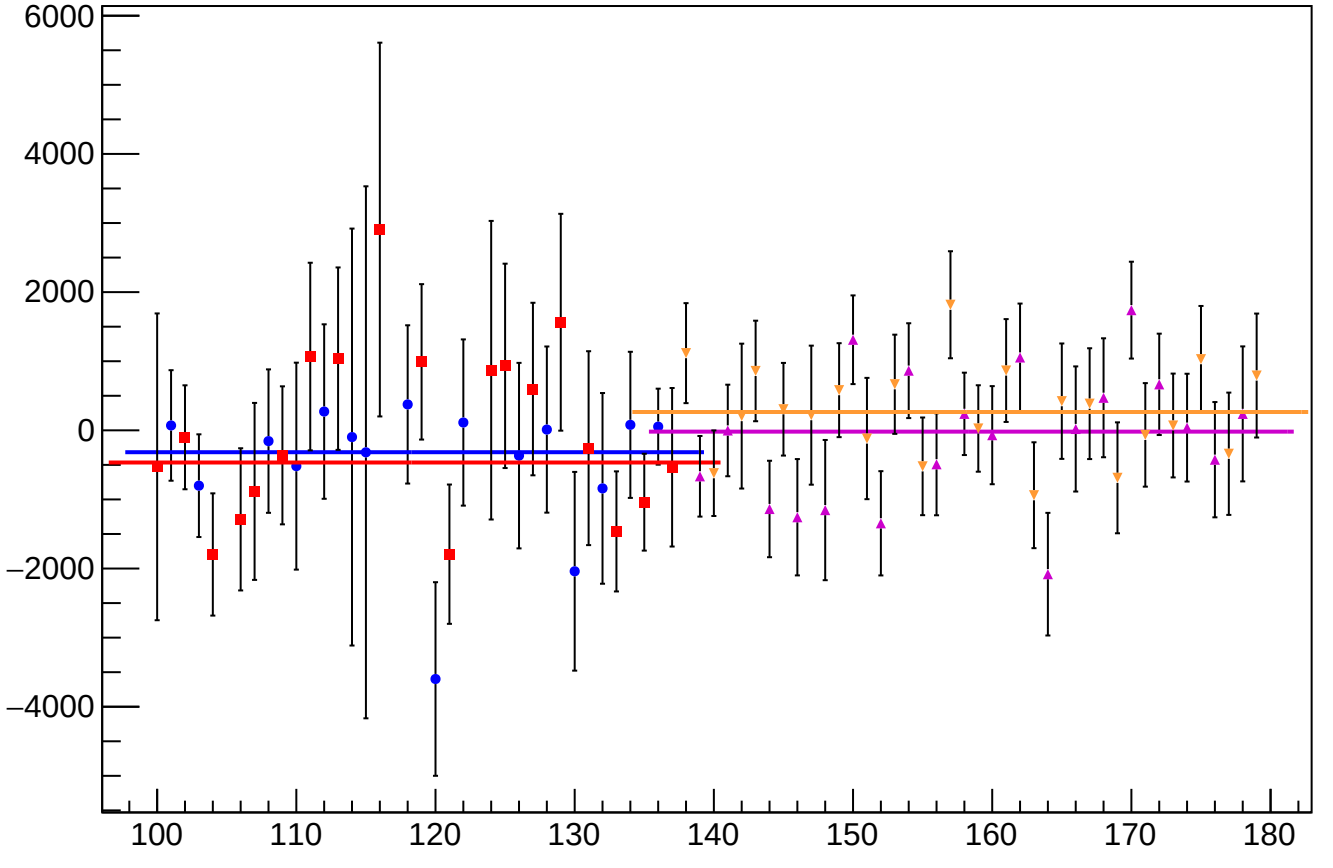
Left: 111.947+/-0.014 χ^2/NDF: 692264.7/41

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 107.282+/-0.016 χ^2/NDF:667466.3/35

Out: 105.916+/-0.015 χ^2/NDF:698171.5/40

All: 106.570+/-0.011 χ^2/NDF: 1369557.2/76



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 265.284+/-162.289 χ^2/NDF:16.9/21

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -18.833+/-166.431 χ^2/NDF:32.0/19

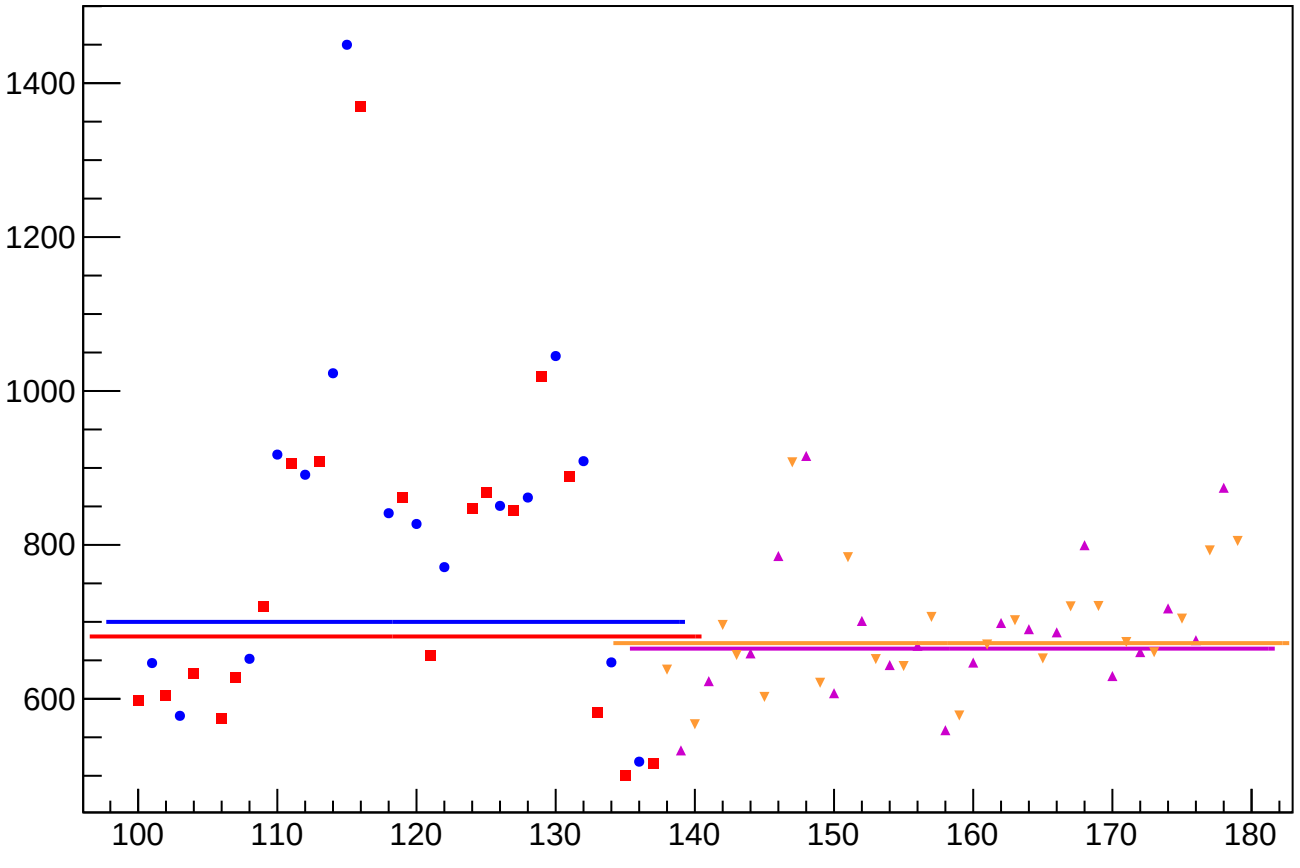
Left: 126.804+/-116.193 χ^2/NDF: 50.3/41

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -101.916+/-141.315 χ^2/NDF:42.0/35

Out: 56.517+/-137.166 χ^2/NDF:39.2/40

All: -20.340+/-98.425 χ^2/NDF: 81.8/76



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 672.377+/-0.115 χ^2/NDF:396612.8/21

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 665.217+/-0.118 χ^2/NDF:522414.3/19

Left: 668.887+/-0.082 χ^2/NDF: 920924.7/41

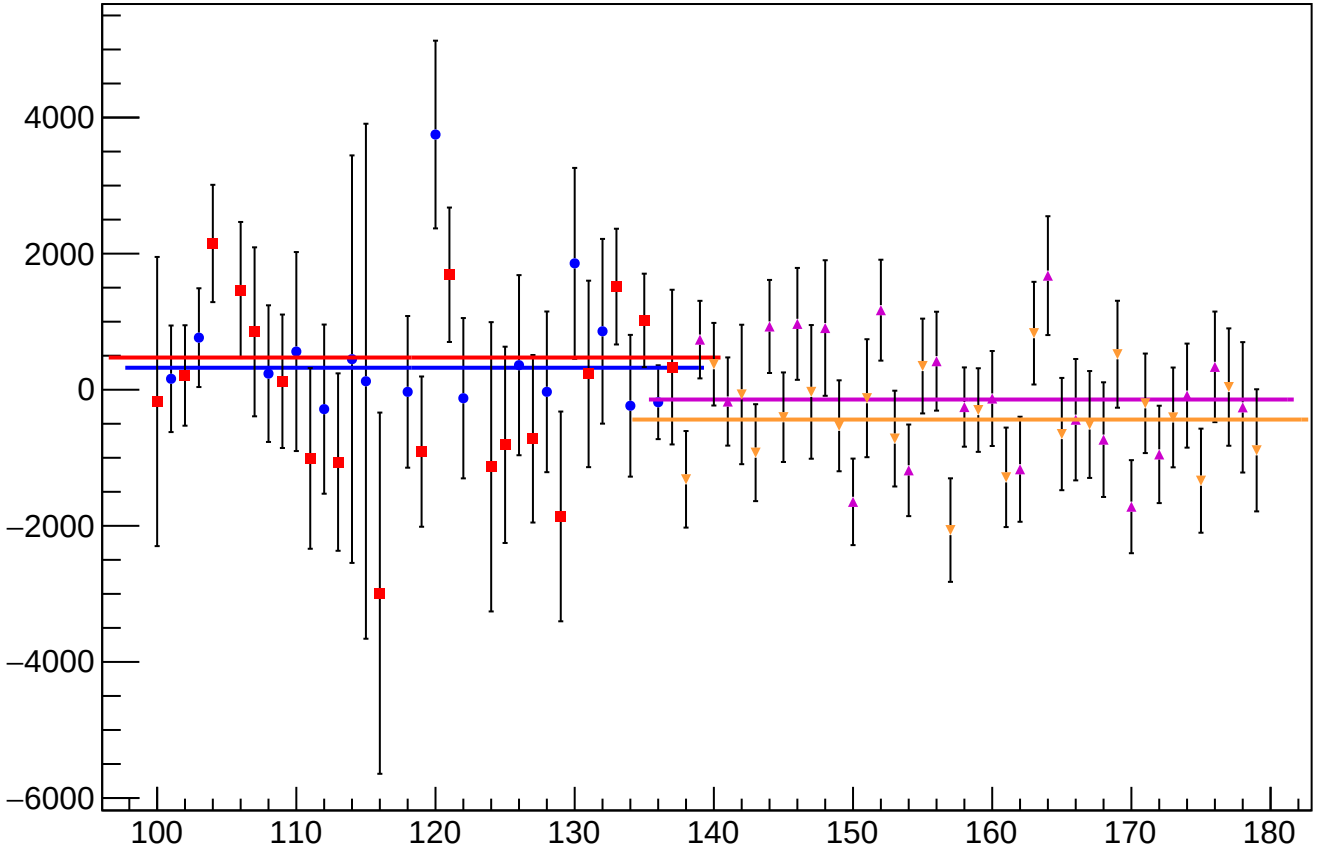
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 674.915+/-0.100 χ^2/NDF:1300419.0/35

Out: 674.845+/-0.097 χ^2/NDF:1167631.6/40

All: 674.879+/-0.070 χ^2/NDF: 2468050.9/76

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -438.167+/-159.389 χ^2/NDF:18.1/21

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -143.725+/-163.210 χ^2/NDF:33.2/19

Left: -294.433+/-114.032 χ^2/NDF: 53.0/41

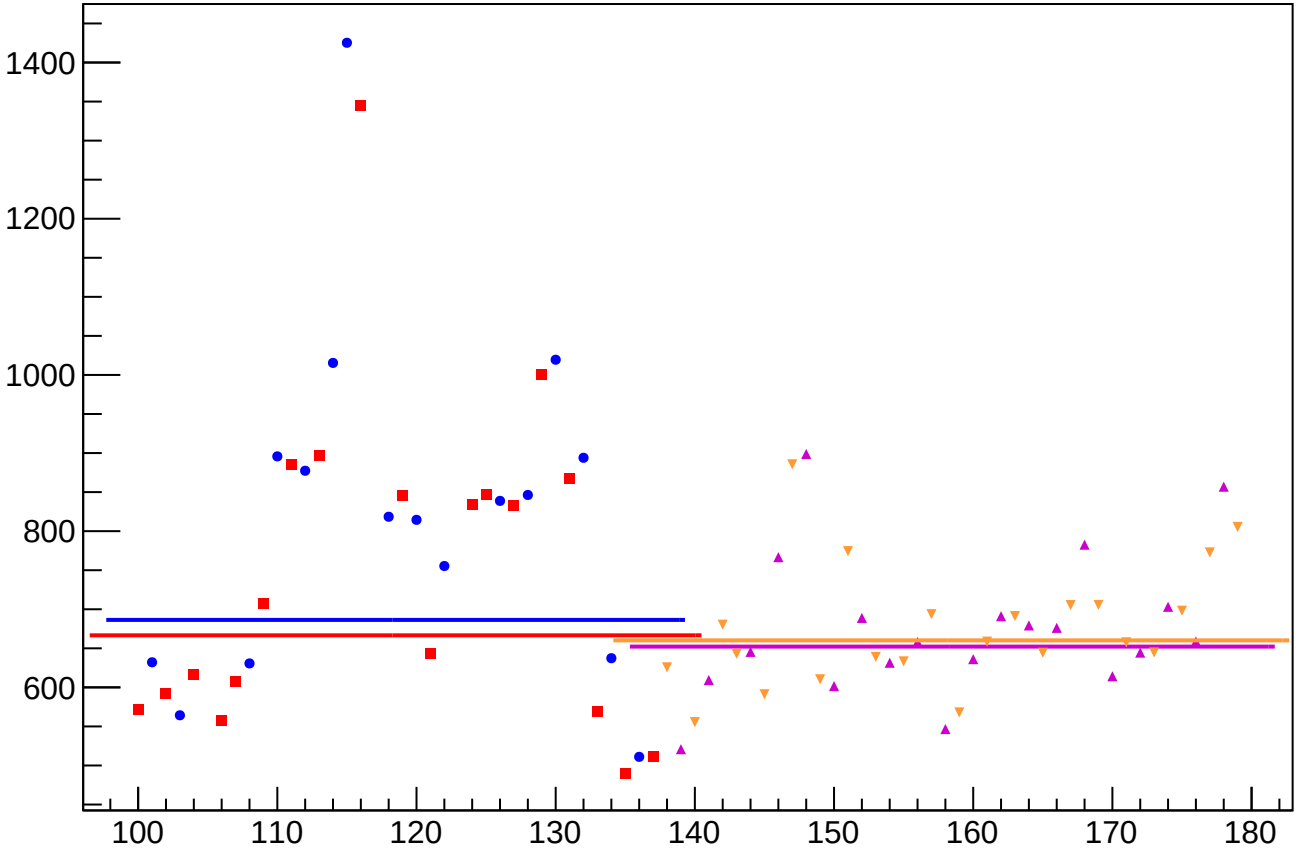
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -13.428+/-138.579 χ^2/NDF:45.2/35

Out: -176.753+/-134.603 χ^2/NDF:46.9/40

All: -97.467+/-96.554 χ^2/NDF: 92.8/76

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 660.184+/-0.113 χ^2/NDF:402707.1/21

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 652.210+/-0.115 χ^2/NDF:526074.1/19

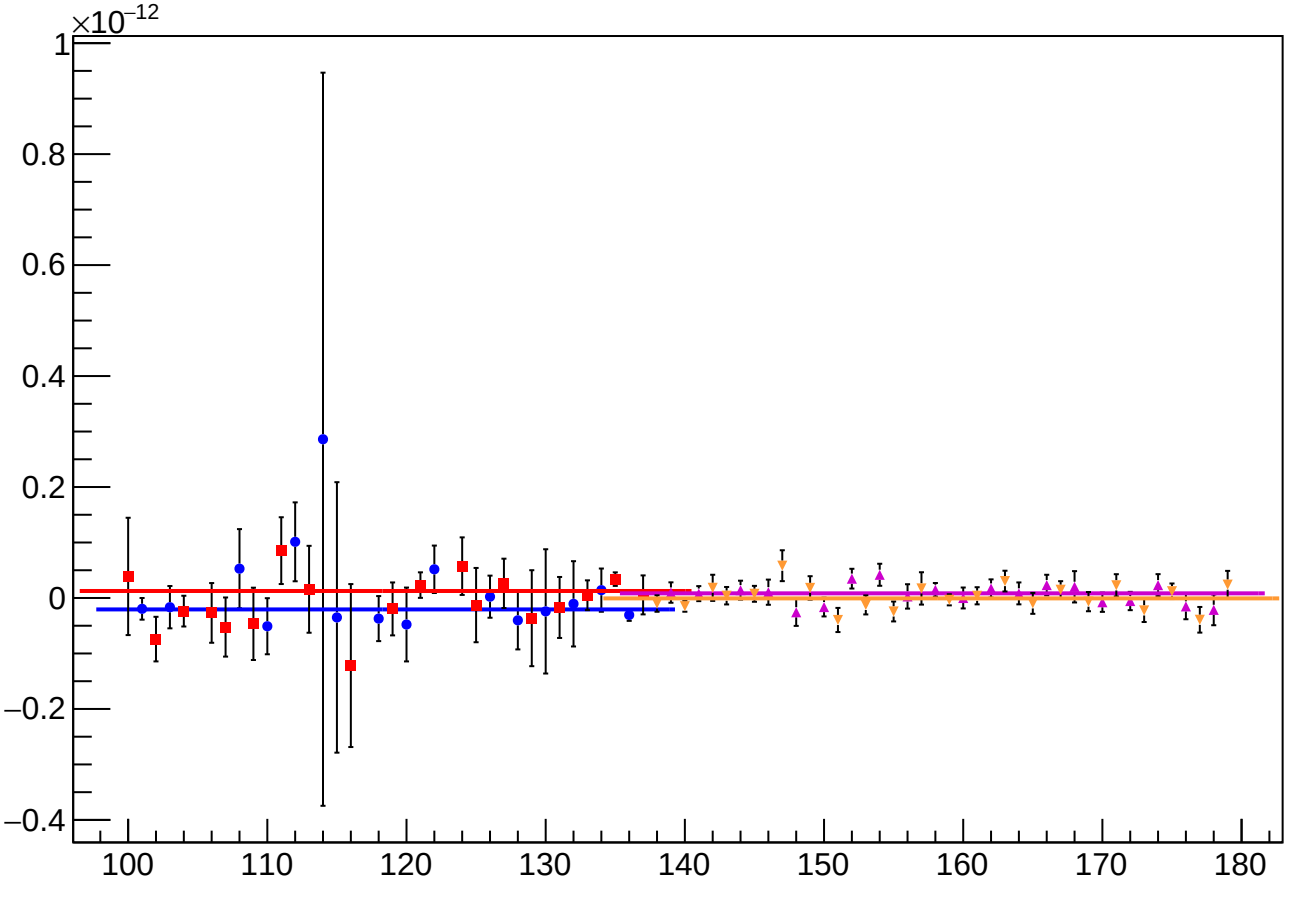
Left: 656.292+/-0.081 χ^2/NDF: 931224.9/41

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 661.749+/-0.098 χ^2/NDF:1300012.6/35

Out: 662.034+/-0.095 χ^2/NDF:1180680.2/40

All: 661.896+/-0.068 χ^2/NDF: 2480697.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/19

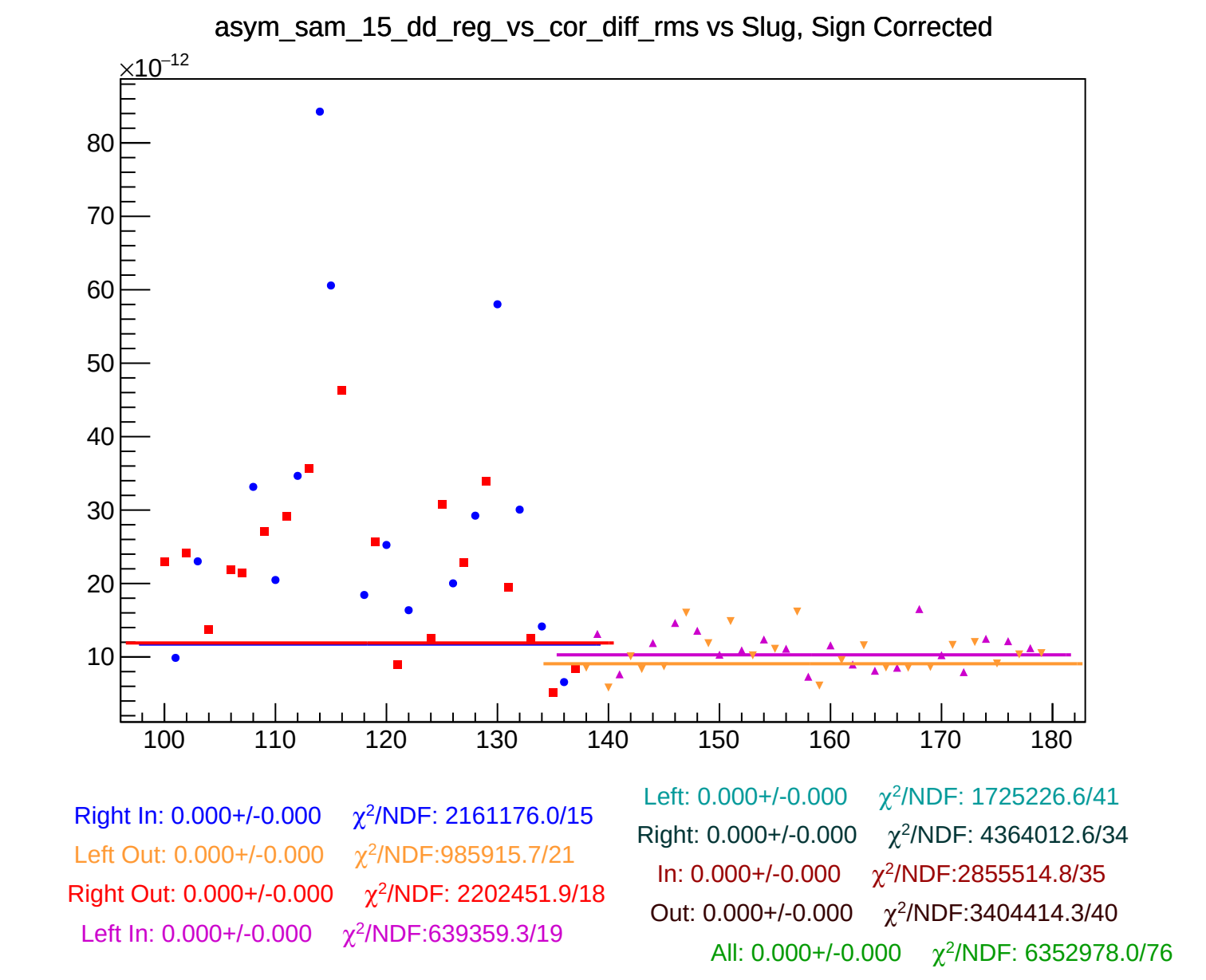
Left: 0.000+/-0.000 χ^2/NDF: 43.9/41

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:35.9/35

Out: 0.000+/-0.000 χ^2/NDF:45.3/40

All: 0.000+/-0.000 χ^2/NDF: 81.3/76


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
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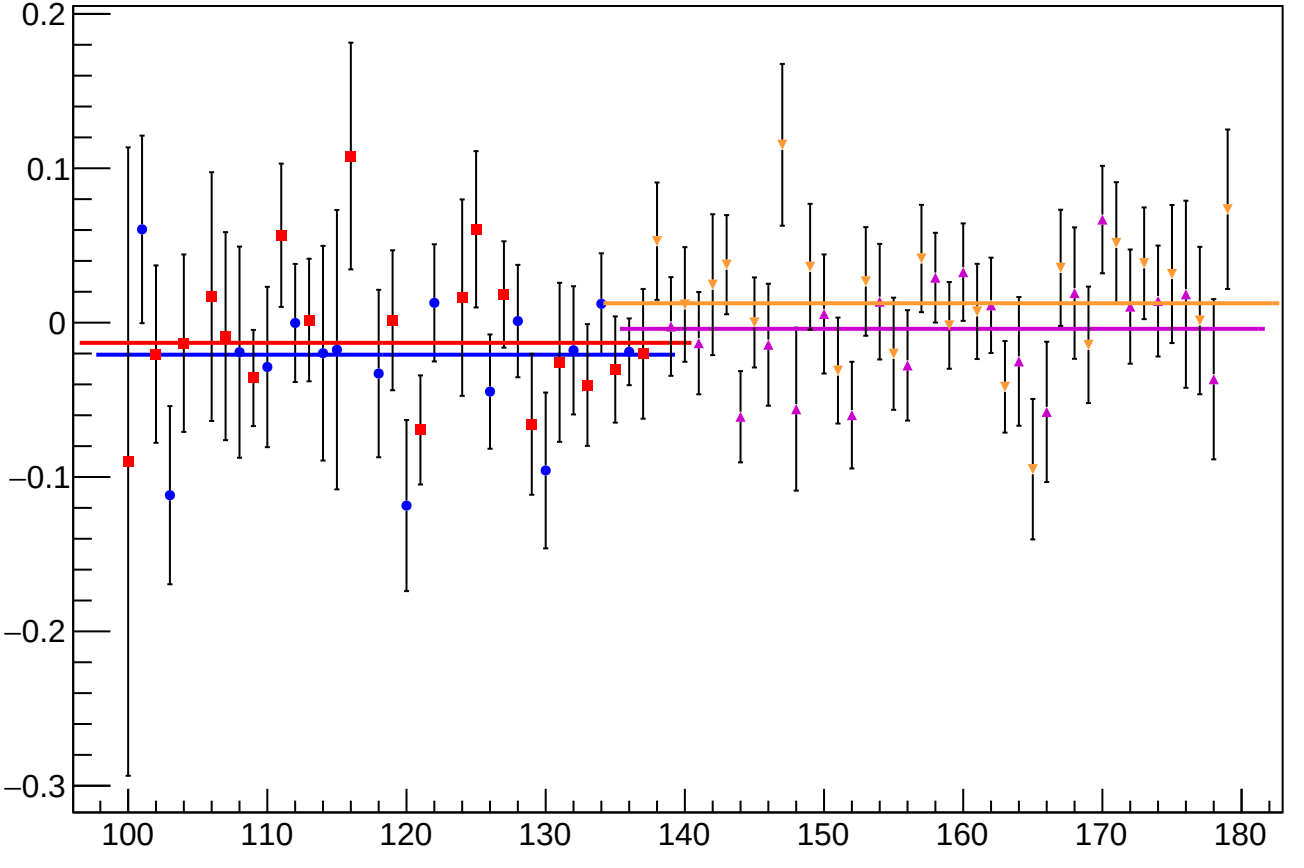
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:985915.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:639359.3/19
Left: 0.000+/-0.000 χ²/NDF: 1725226.6/41
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2855514.8/35
Out: 0.000+/-0.000 χ²/NDF:3404414.3/40
All: 0.000+/-0.000 χ²/NDF: 6352978.0/76



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.1/19

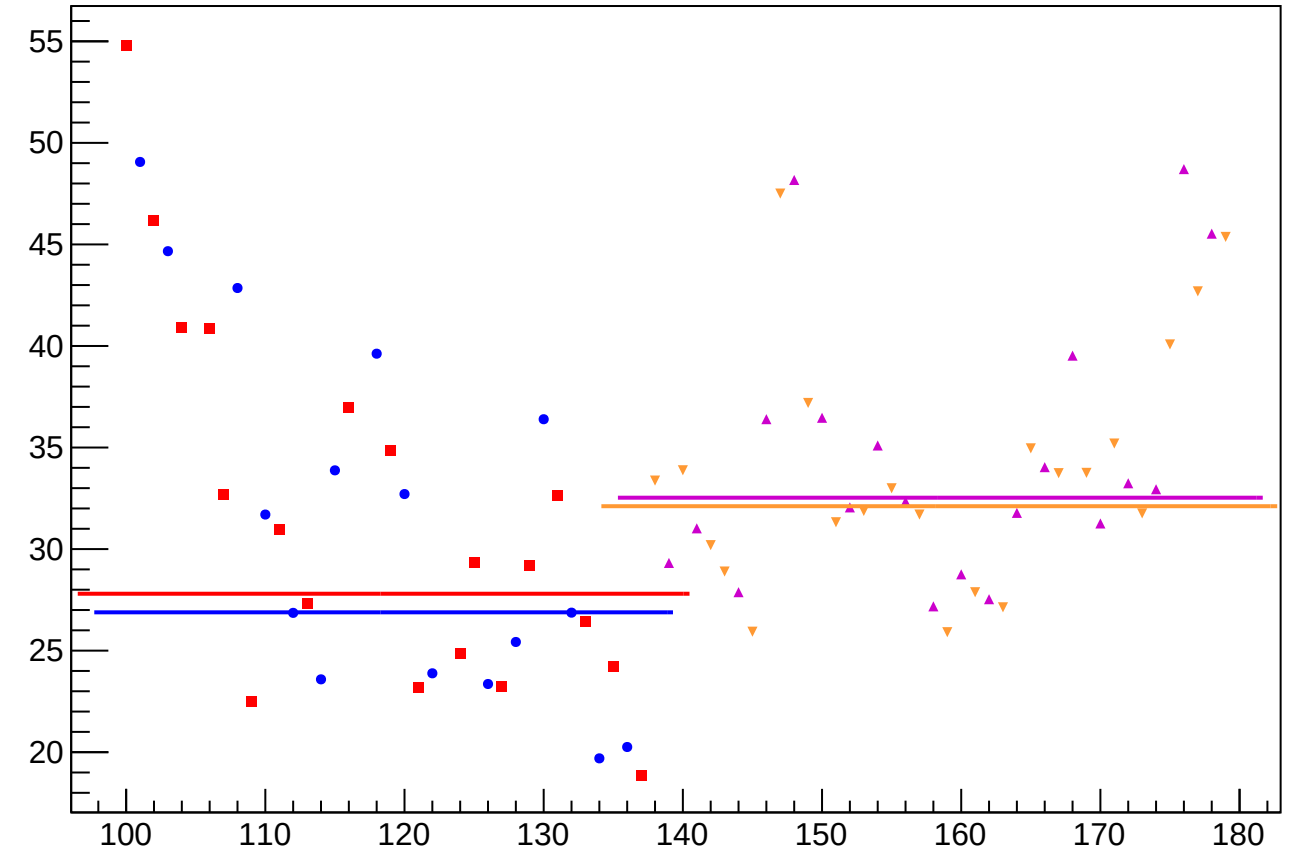
Left: 0.005+/-0.006 χ^2/NDF: 42.9/41

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.005 χ^2/NDF: 74.9/76



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839048.2/21

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.530+/-0.006 χ^2/NDF:776644.5/19

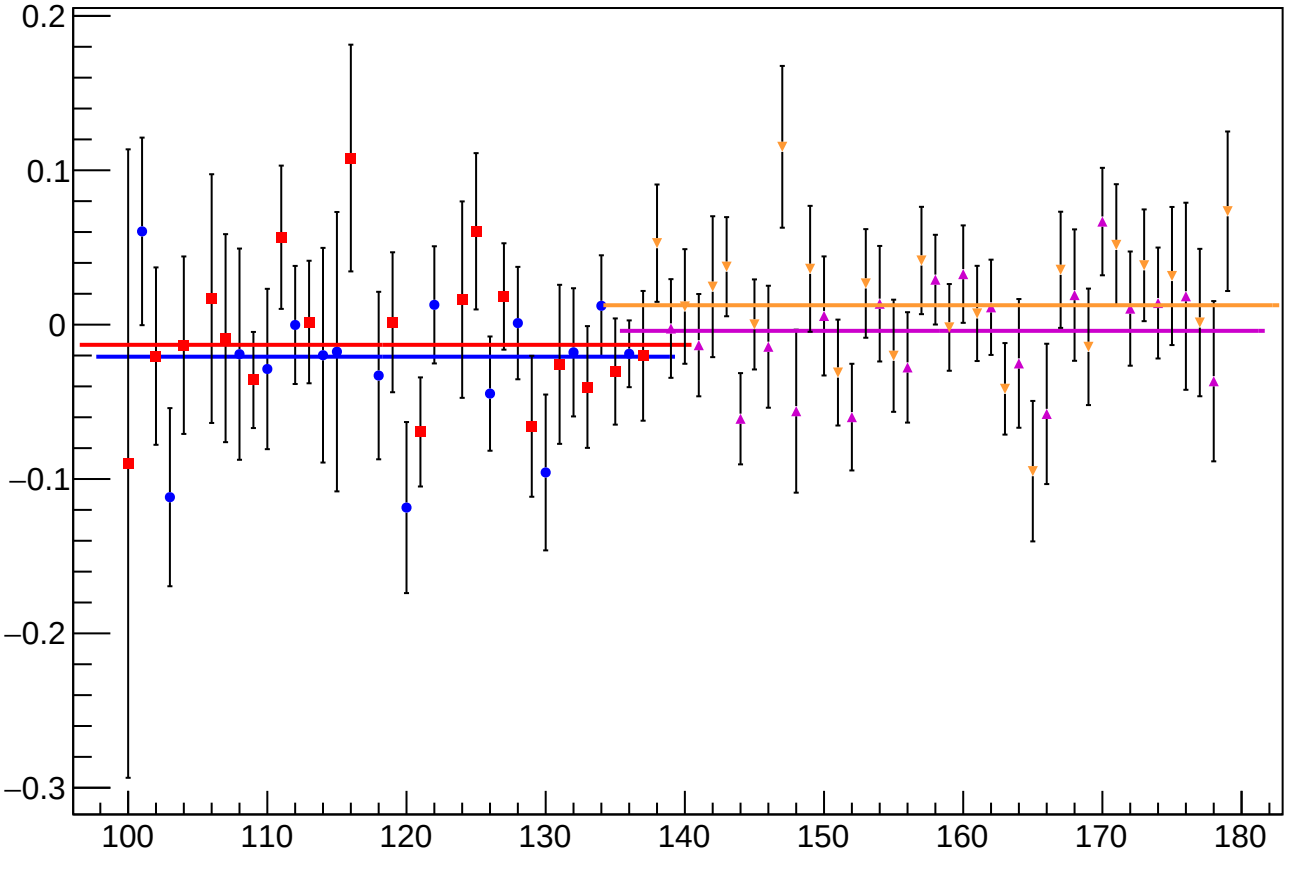
Left: 32.311+/-0.004 χ^2/NDF: 1618427.1/41

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.393+/-0.005 χ^2/NDF:2255688.9/35

Out: 30.580+/-0.004 χ^2/NDF:1817550.7/40

All: 30.489+/-0.003 χ^2/NDF: 4074092.4/76



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.1/19

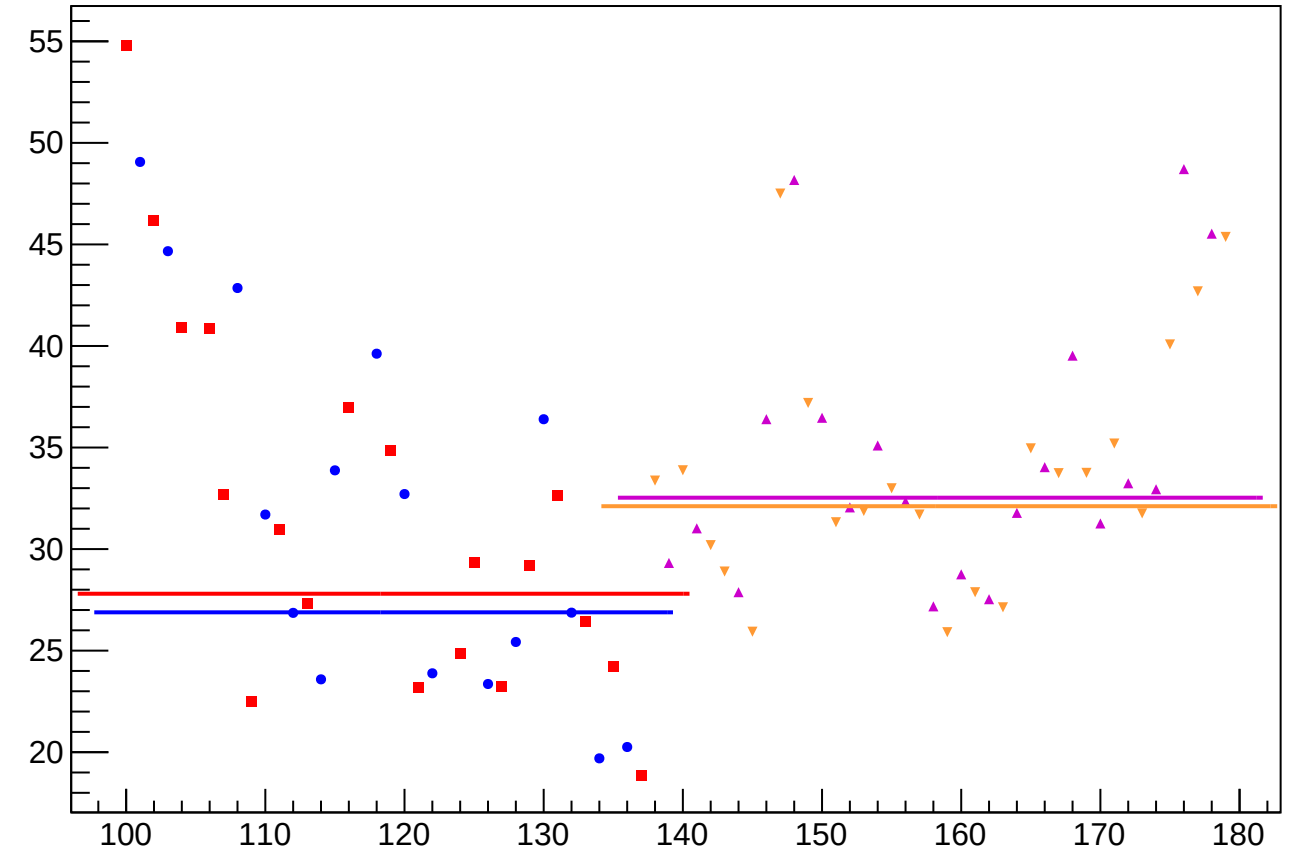
Left: 0.005+/-0.006 χ^2/NDF: 42.9/41

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.005 χ^2/NDF: 74.9/76



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839048.2/21

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.530+/-0.006 χ^2/NDF:776644.5/19

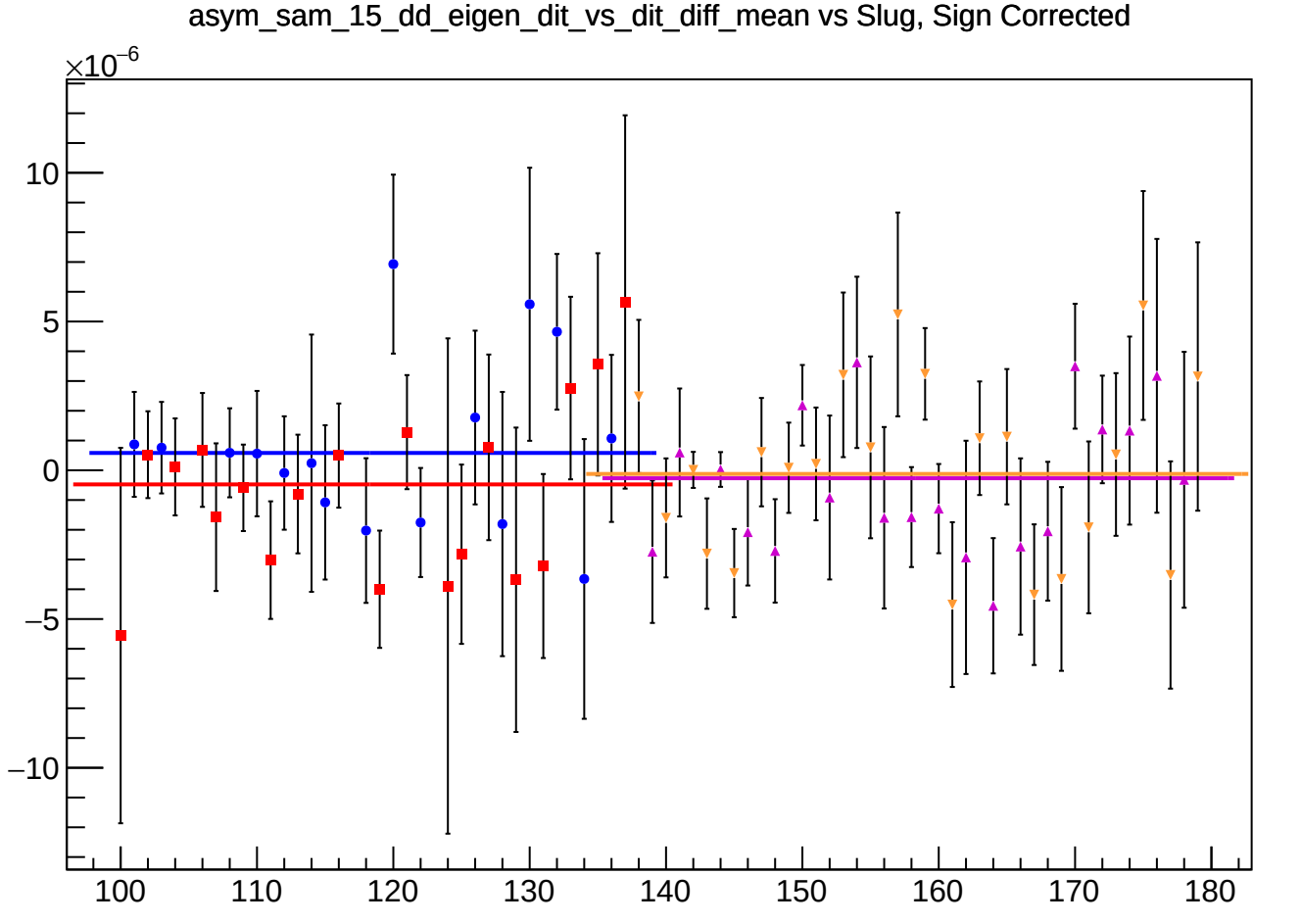
Left: 32.311+/-0.004 χ^2/NDF: 1618427.1/41

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.393+/-0.005 χ^2/NDF:2255688.9/35

Out: 30.580+/-0.004 χ^2/NDF:1817550.7/40

All: 30.489+/-0.003 χ^2/NDF: 4074092.4/76


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
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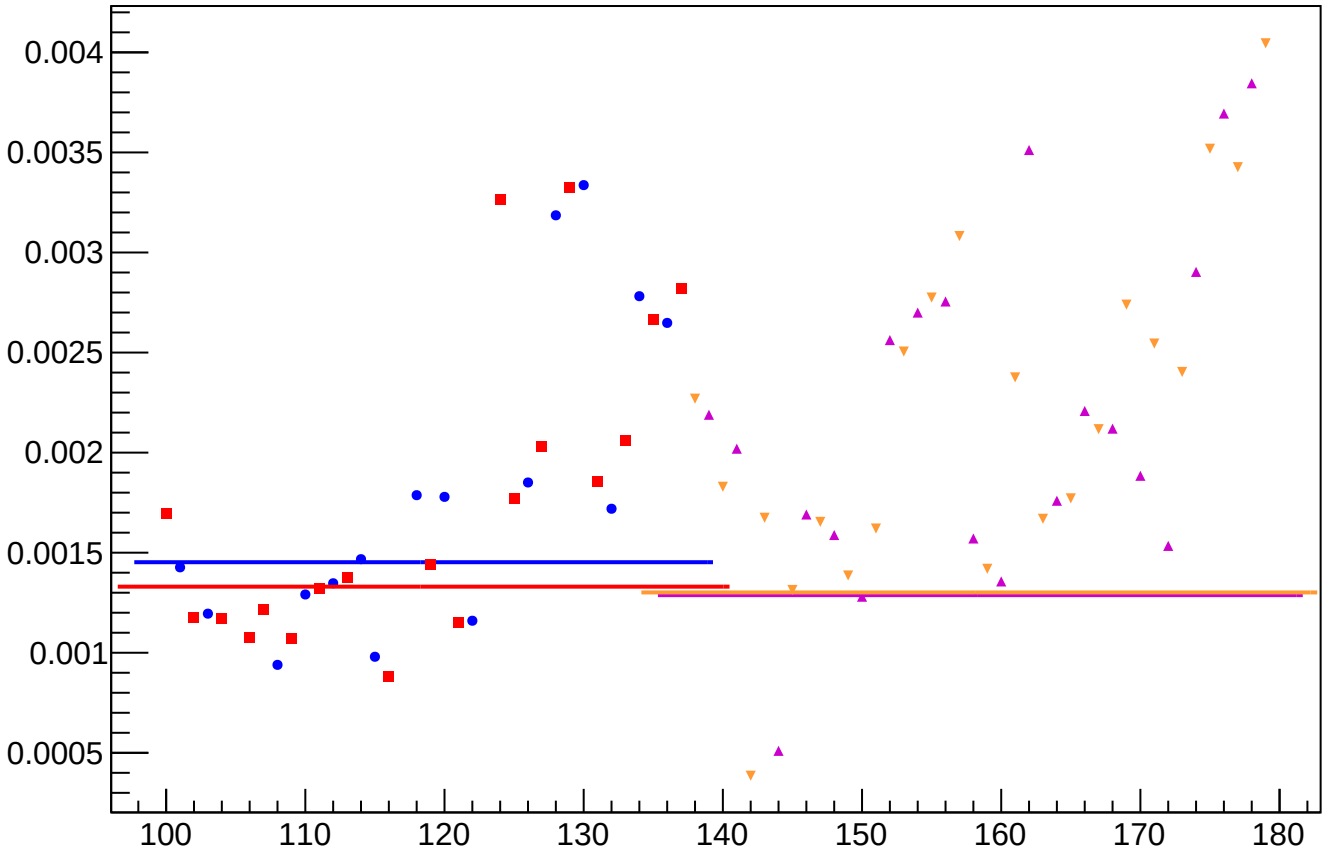
5
0
−5
−10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:29.1/21
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:21.0/19
Left: -0.000+/-0.000 χ²/NDF: 50.1/41
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: -0.000+/-0.000 χ²/NDF:35.2/35
Out: -0.000+/-0.000 χ²/NDF:42.6/40
All: -0.000+/-0.000 χ²/NDF: 78.1/76



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10462939.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:8809256.7/19

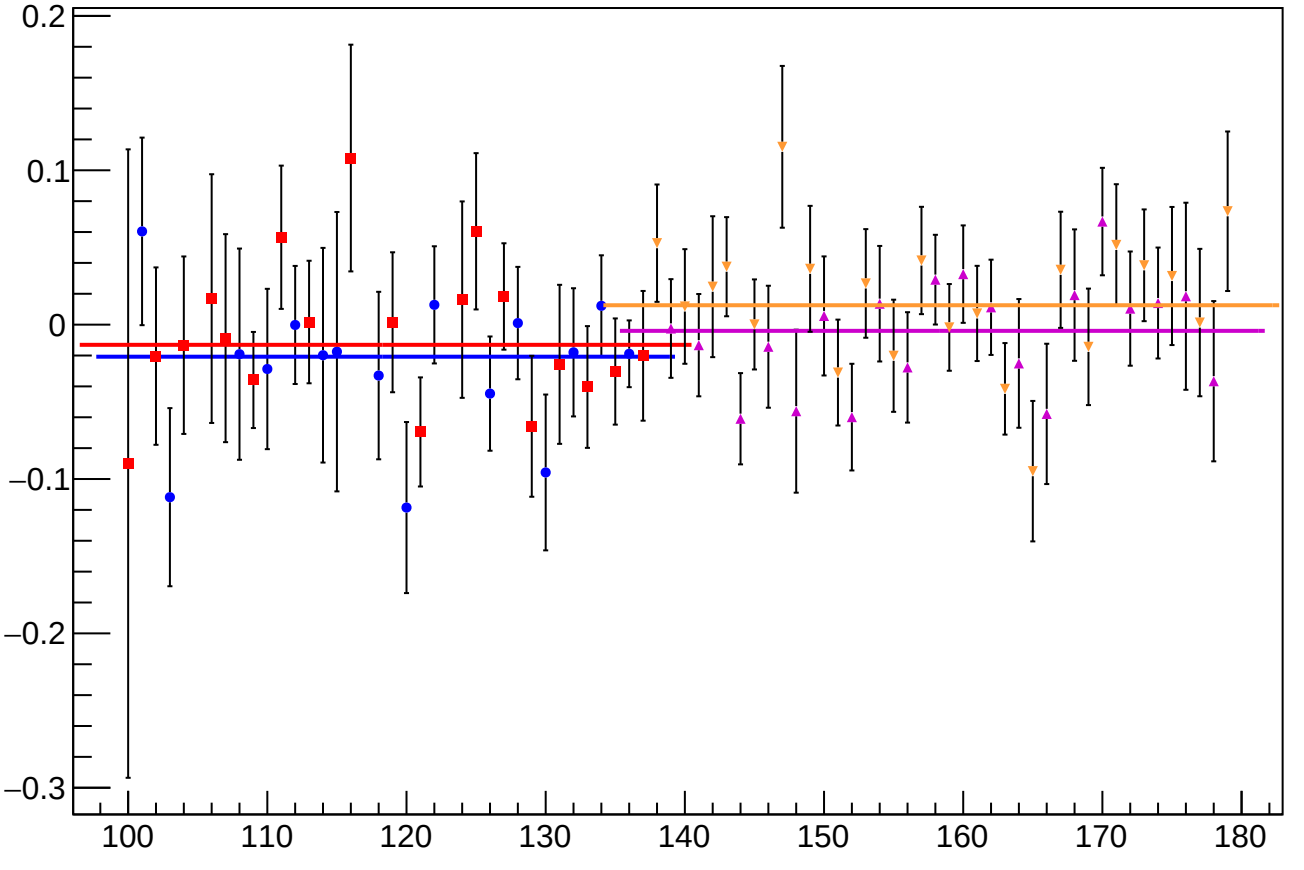
Left: 0.001+/-0.000 χ^2/NDF: 19273454.6/41

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:10633259.0/35

Out: 0.001+/-0.000 χ^2/NDF:11869804.3/40

All: 0.001+/-0.000 χ^2/NDF: 22510072.9/76



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.1/19

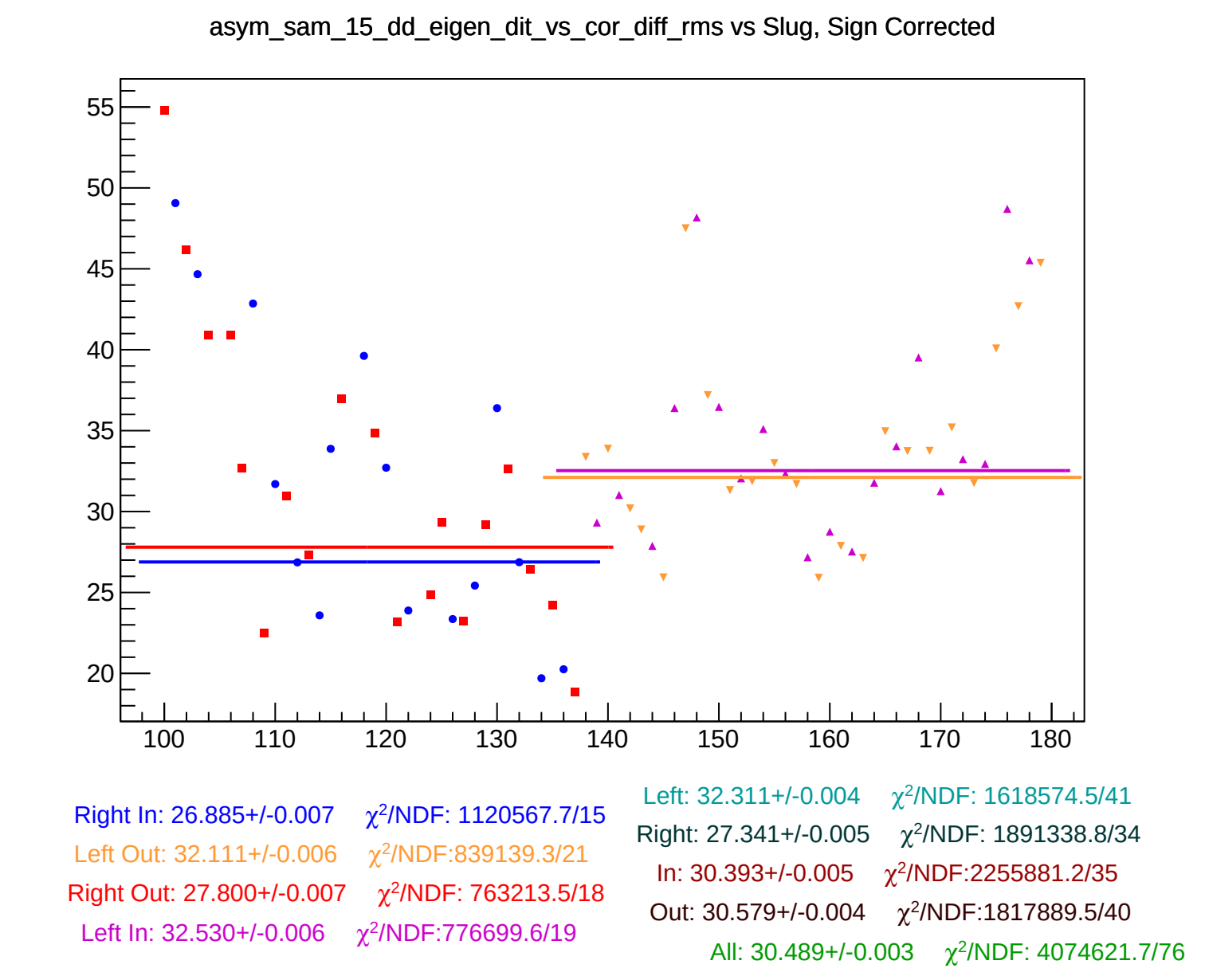
Left: 0.005+/-0.006 χ^2/NDF: 42.9/41

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.005 χ^2/NDF: 74.9/76


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
55
50
45
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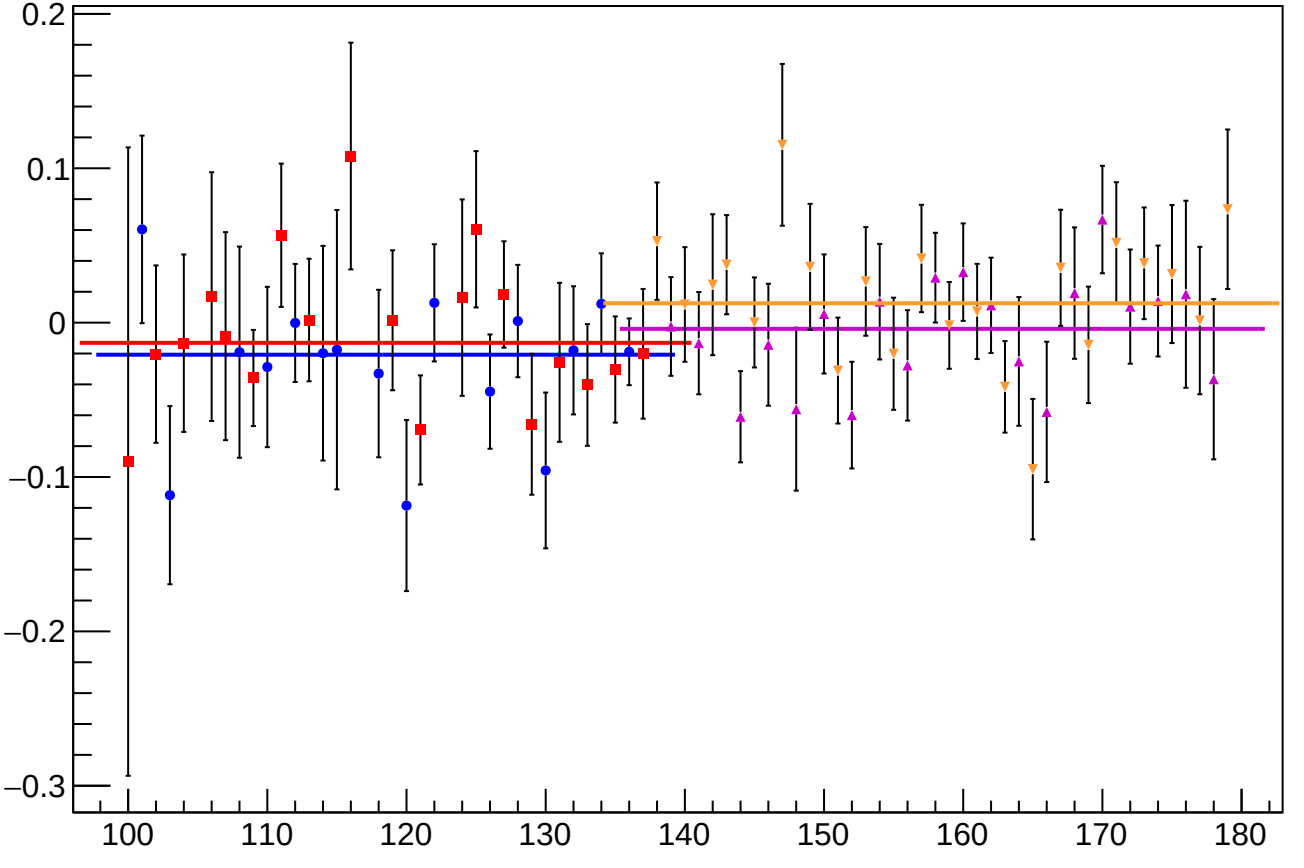
30
25
20
100
110
120
130
140
150
160
170
180
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 32.111+/-0.006 χ²/NDF:839139.3/21
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.530+/-0.006 χ²/NDF:776699.6/19
Left: 32.311+/-0.004 χ²/NDF: 1618574.5/41
Right: 27.341+/-0.005 χ²/NDF: 1891338.8/34
In: 30.393+/-0.005 χ²/NDF:2255881.2/35
Out: 30.579+/-0.004 χ²/NDF:1817889.5/40
All: 30.489+/-0.003 χ²/NDF: 4074621.7/76



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.013+/-0.008 χ^2/NDF:22.6/21

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:18.1/19

Left: 0.005+/-0.006 χ^2/NDF: 42.9/41

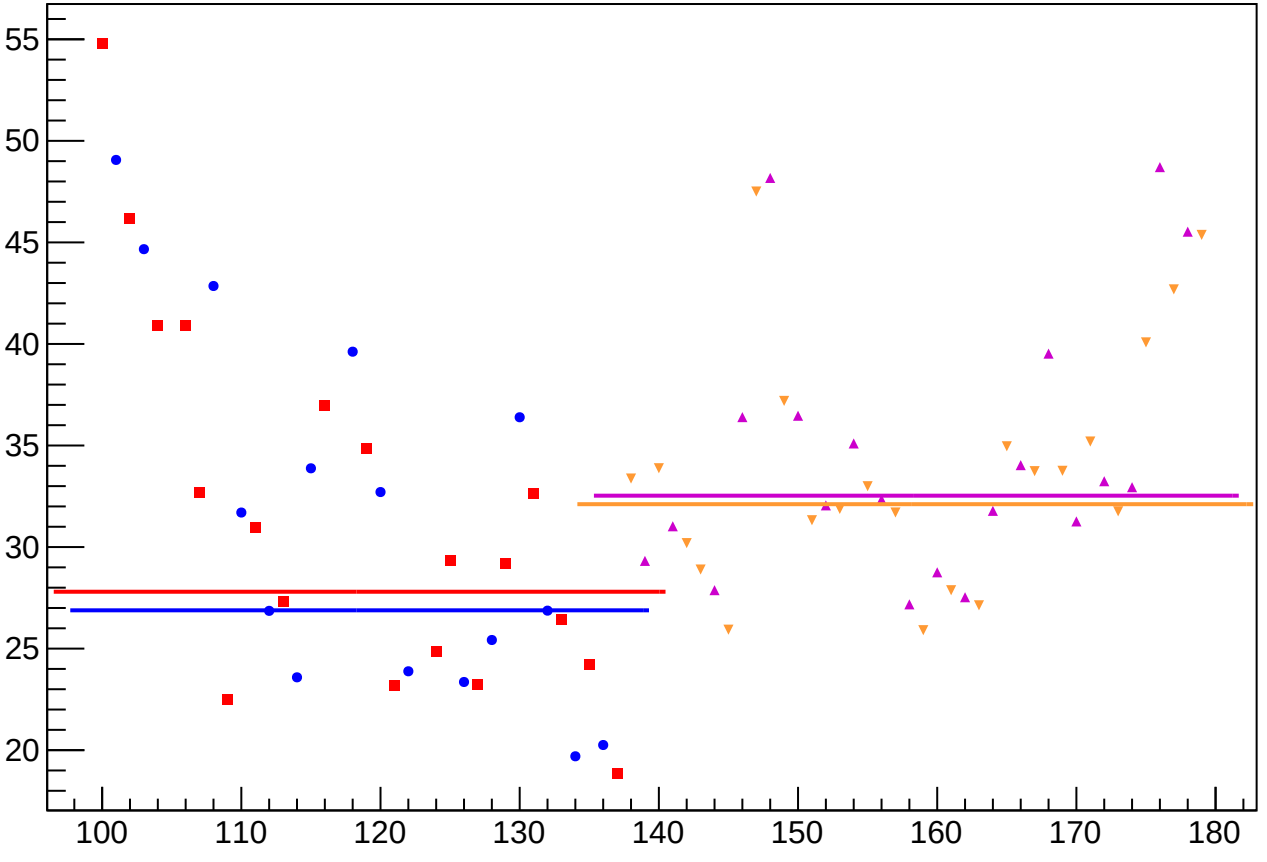
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.003+/-0.006 χ^2/NDF:40.4/40

All: -0.003+/-0.005 χ^2/NDF: 74.9/76

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.111+/-0.006 χ^2/NDF:839139.3/21

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.530+/-0.006 χ^2/NDF:776699.6/19

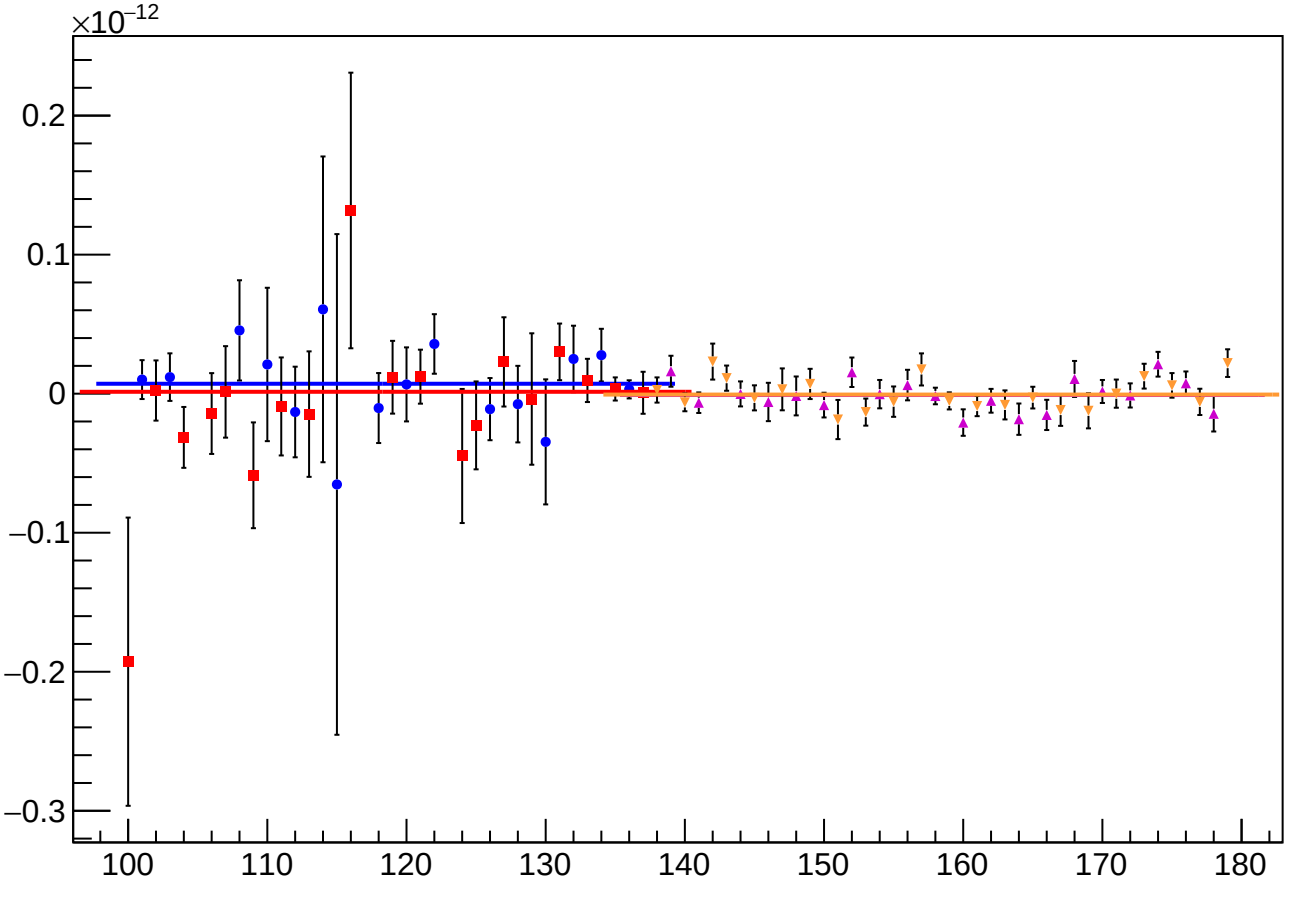
Left: 32.311+/-0.004 χ^2/NDF: 1618574.5/41

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.393+/-0.005 χ^2/NDF:2255881.2/35

Out: 30.579+/-0.004 χ^2/NDF:1817889.5/40

All: 30.489+/-0.003 χ^2/NDF: 4074621.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.4/19

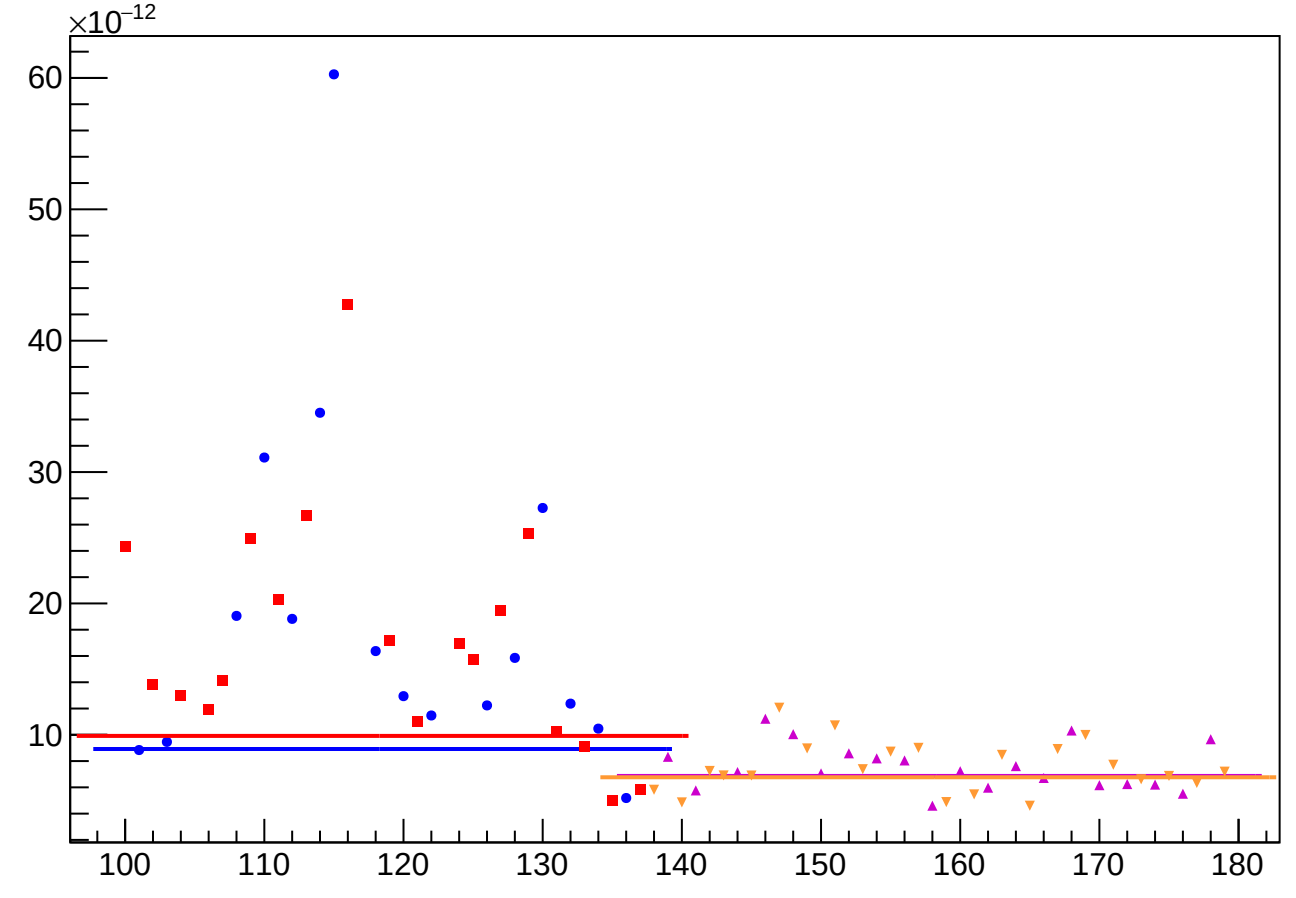
Left: -0.000+/-0.000 χ^2/NDF: 49.4/41

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:35.3/35

Out: -0.000+/-0.000 χ^2/NDF:40.4/40

All: 0.000+/-0.000 χ^2/NDF: 75.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1524240.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1142090.0/19

Left: 0.000+/-0.000 χ^2/NDF: 2668791.4/41

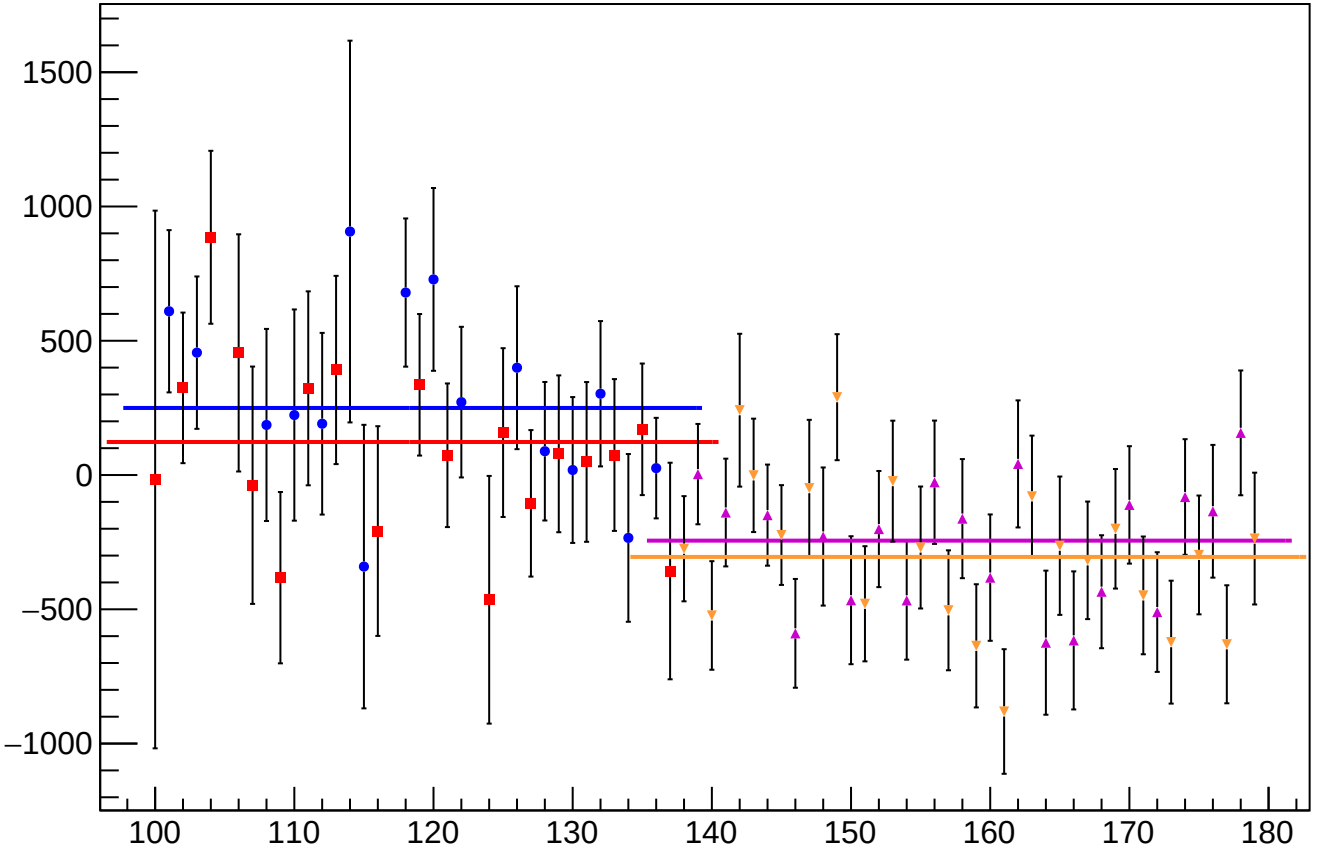
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3875845.3/35

Out: 0.000+/-0.000 χ^2/NDF:4891453.1/40

All: 0.000+/-0.000 χ^2/NDF: 8767451.9/76

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.934+/-47.690 χ^2/NDF:31.7/21

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -244.306+/-49.687 χ^2/NDF:20.4/19

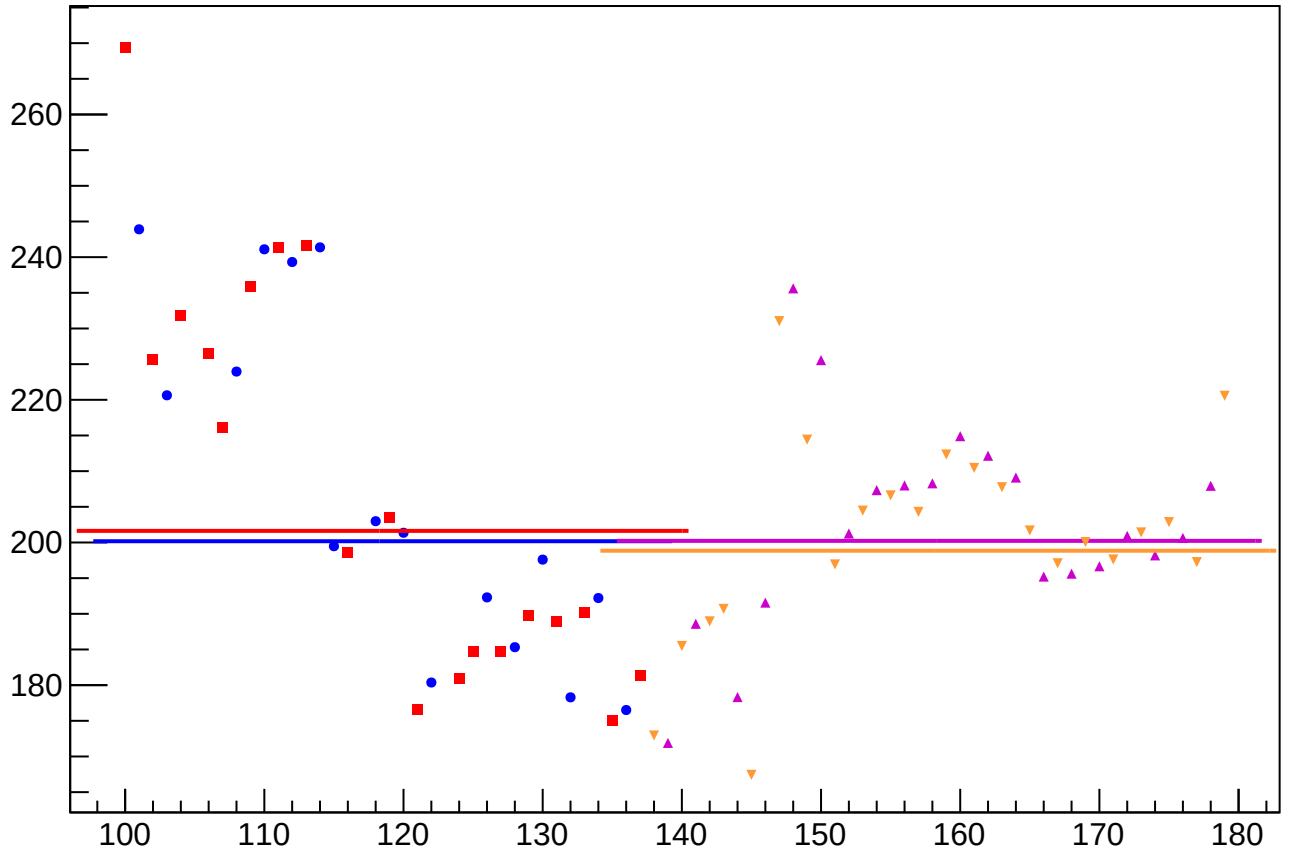
Left: -275.863+/-34.406 χ^2/NDF: 52.9/41

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -93.262+/-41.401 χ^2/NDF:64.4/35

Out: -180.242+/-40.145 χ^2/NDF:70.7/40

All: -138.091+/-28.820 χ^2/NDF: 137.4/76



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.6/19

Left: 199.510+/-0.024 χ^2/NDF: 355726.8/41

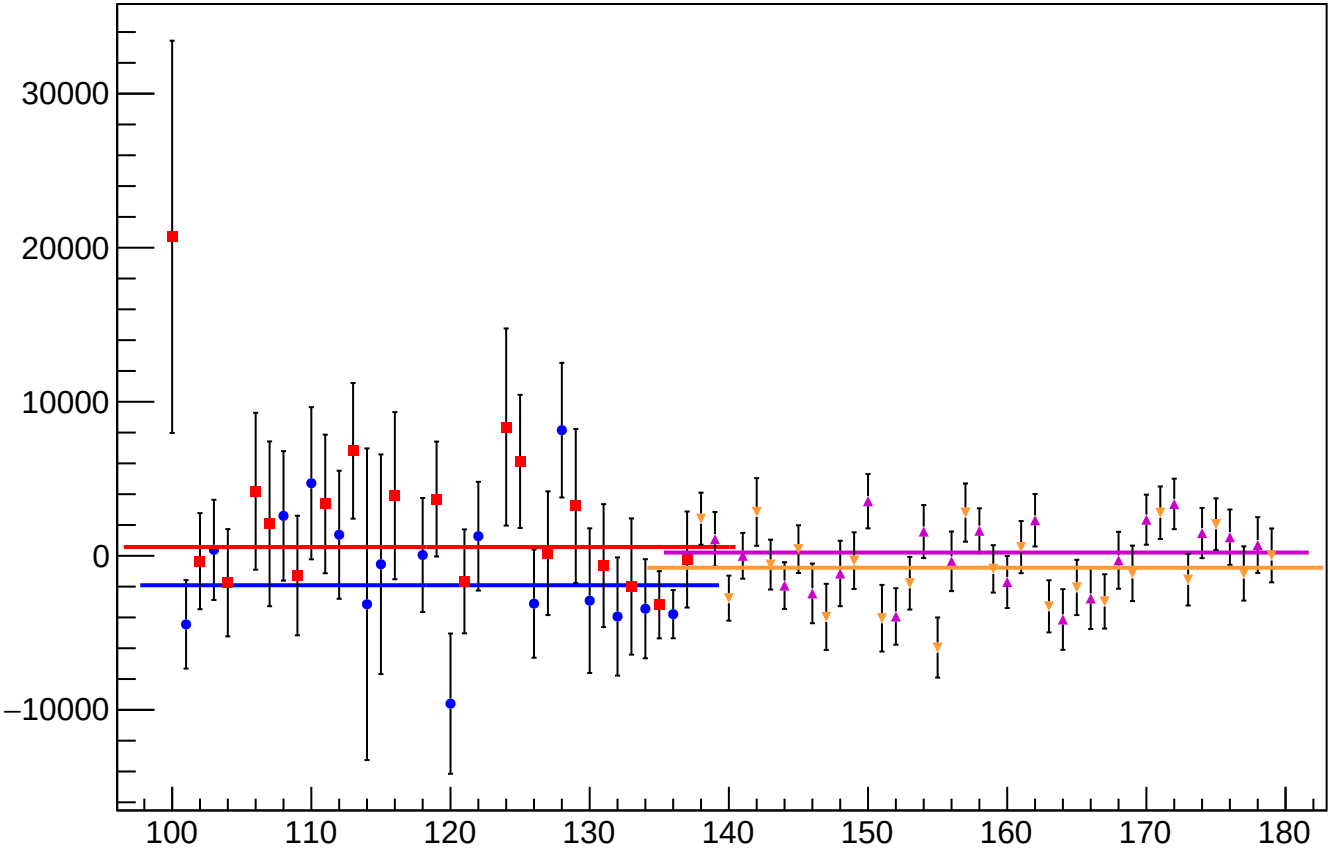
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.211+/-0.029 χ^2/NDF:351666.6/35

Out: 199.658+/-0.028 χ^2/NDF:383485.1/40

All: 199.926+/-0.020 χ^2/NDF: 735335.7/76

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -773.484+/-372.584 χ^2/NDF:36.9/21

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 213.098+/-388.144 χ^2/NDF:31.3/19

Left: -300.364+/-268.789 χ^2/NDF: 71.5/41

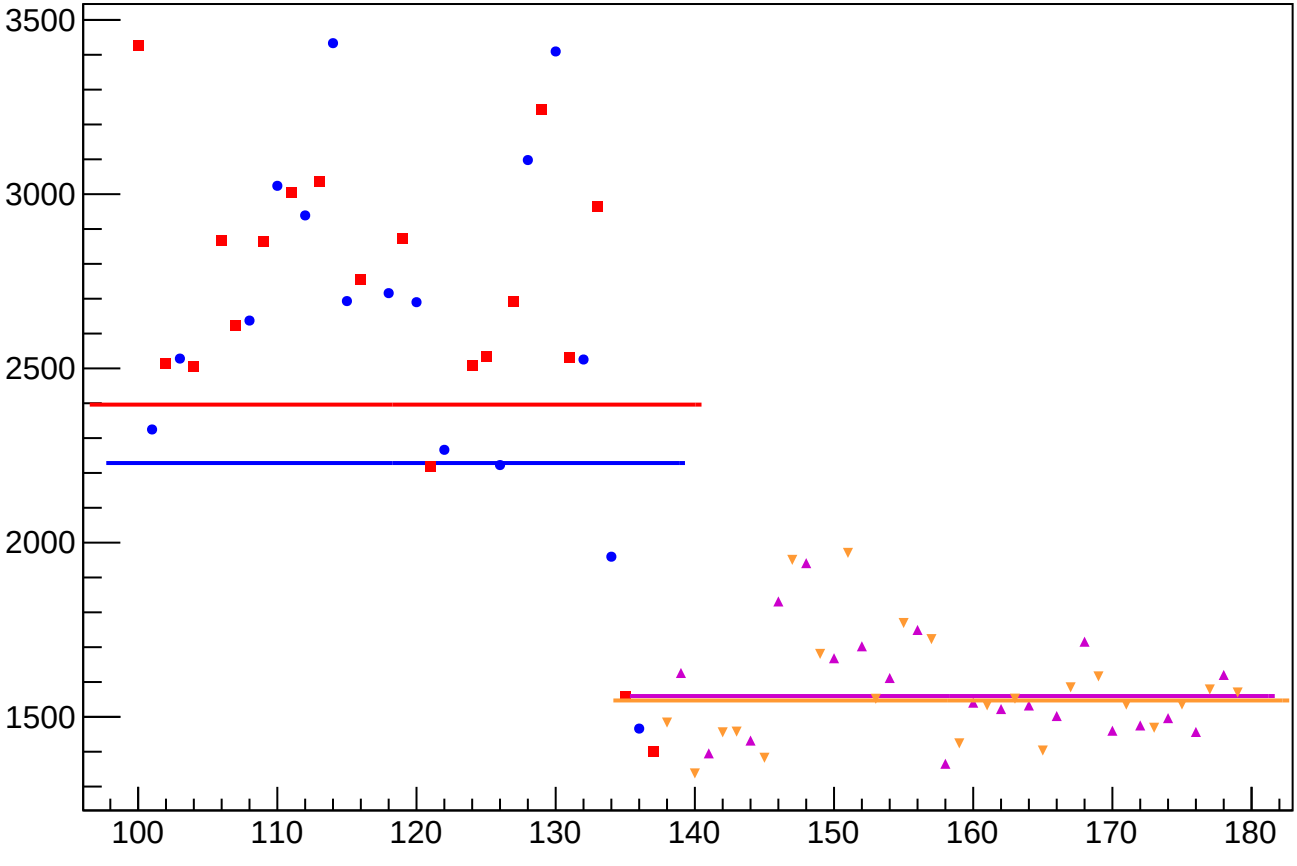
Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -146.881+/-353.717 χ^2/NDF:52.6/35

Out: -576.953+/-344.276 χ^2/NDF:53.4/40

All: -367.733+/-246.710 χ^2/NDF: 106.8/76

asym_sam_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1559.808+/-0.274 χ^2/NDF:263915.1/19

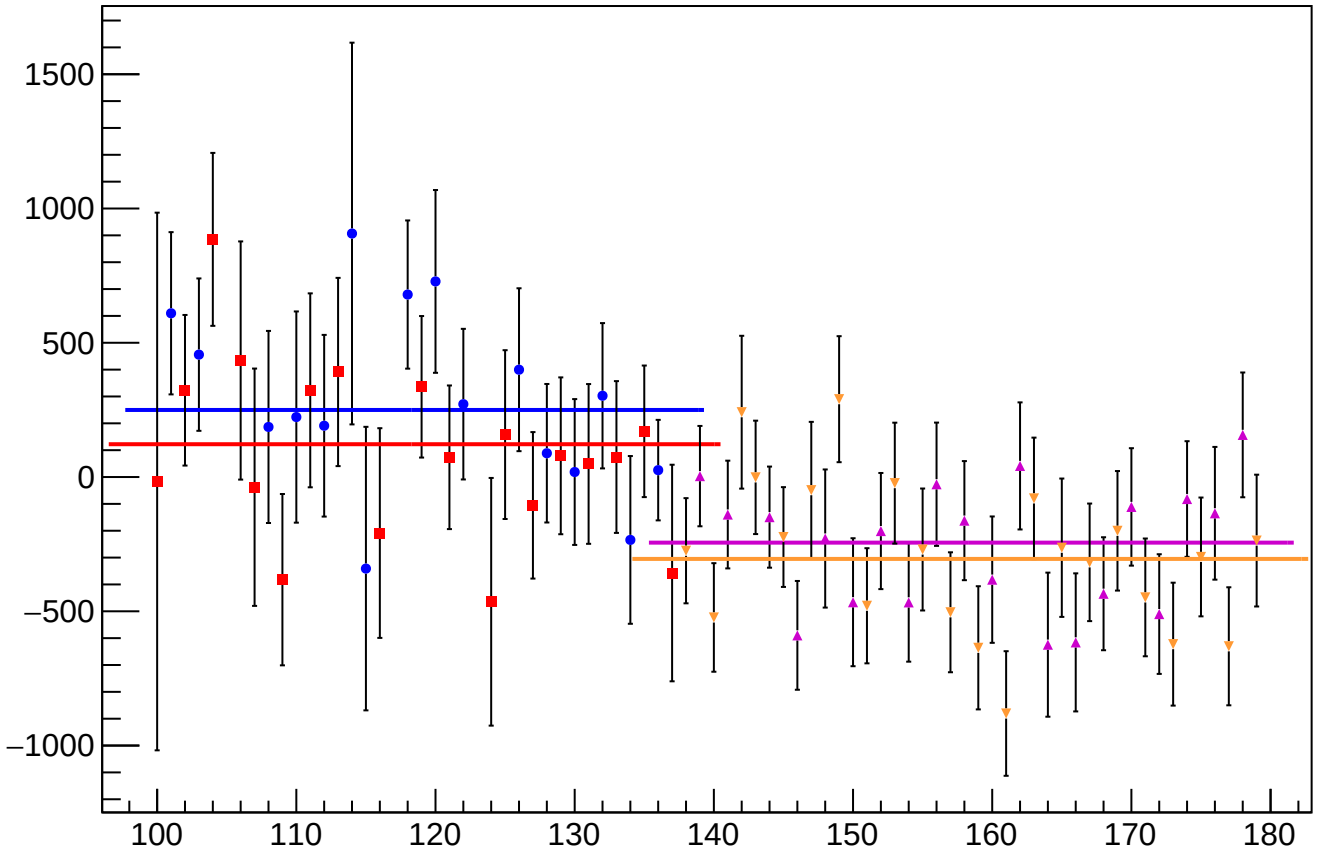
Left: 1553.179+/-0.190 χ^2/NDF: 577466.5/41

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1673.157+/-0.250 χ^2/NDF:2217677.2/35

Out: 1671.181+/-0.243 χ^2/NDF:2629966.5/40

All: 1672.142+/-0.174 χ^2/NDF: 4847675.7/76



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.933+/-47.690 χ^2/NDF:31.7/21

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -244.312+/-49.687 χ^2/NDF:20.4/19

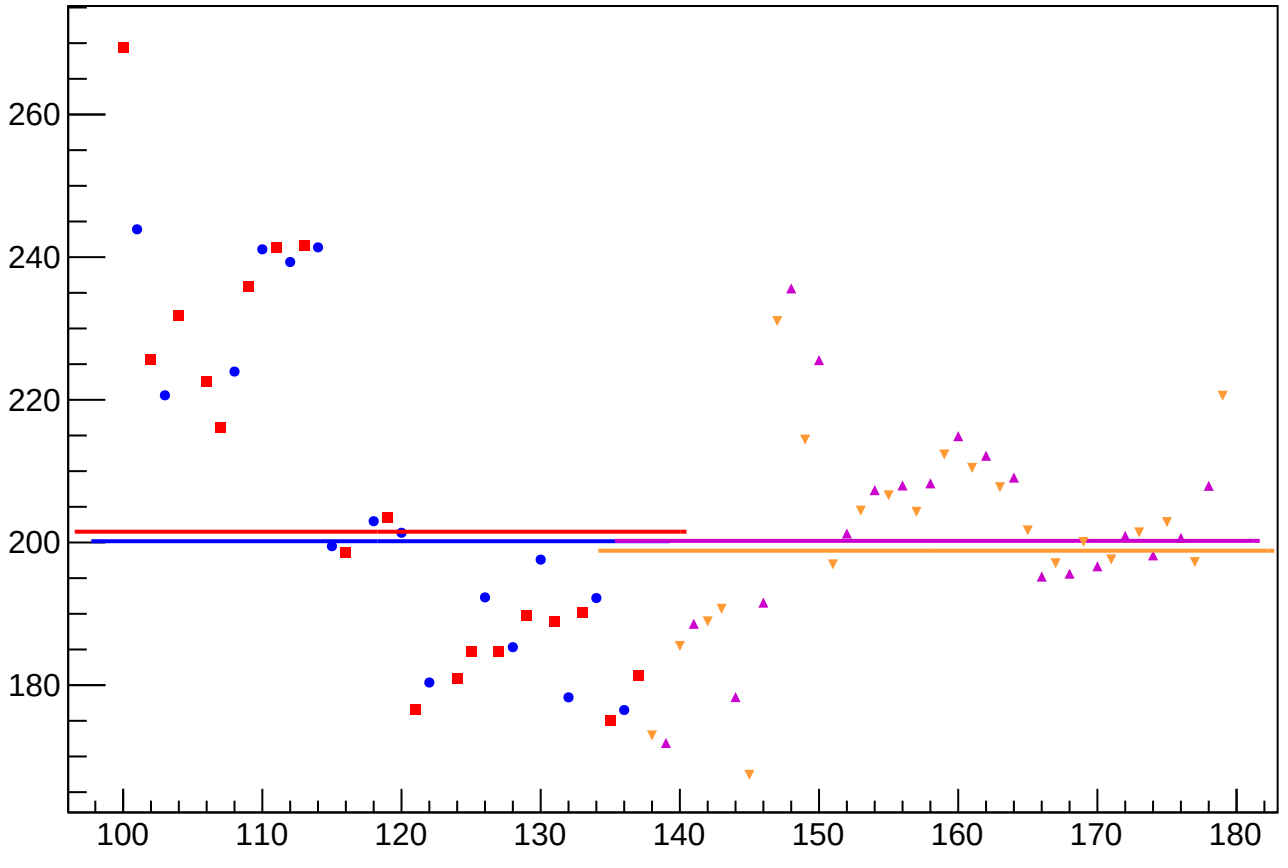
Left: -275.865+/-34.406 χ^2/NDF: 52.9/41

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -93.266+/-41.401 χ^2/NDF:64.4/35

Out: -180.494+/-40.147 χ^2/NDF:70.6/40

All: -138.221+/-28.821 χ^2/NDF: 137.3/76



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.7/19

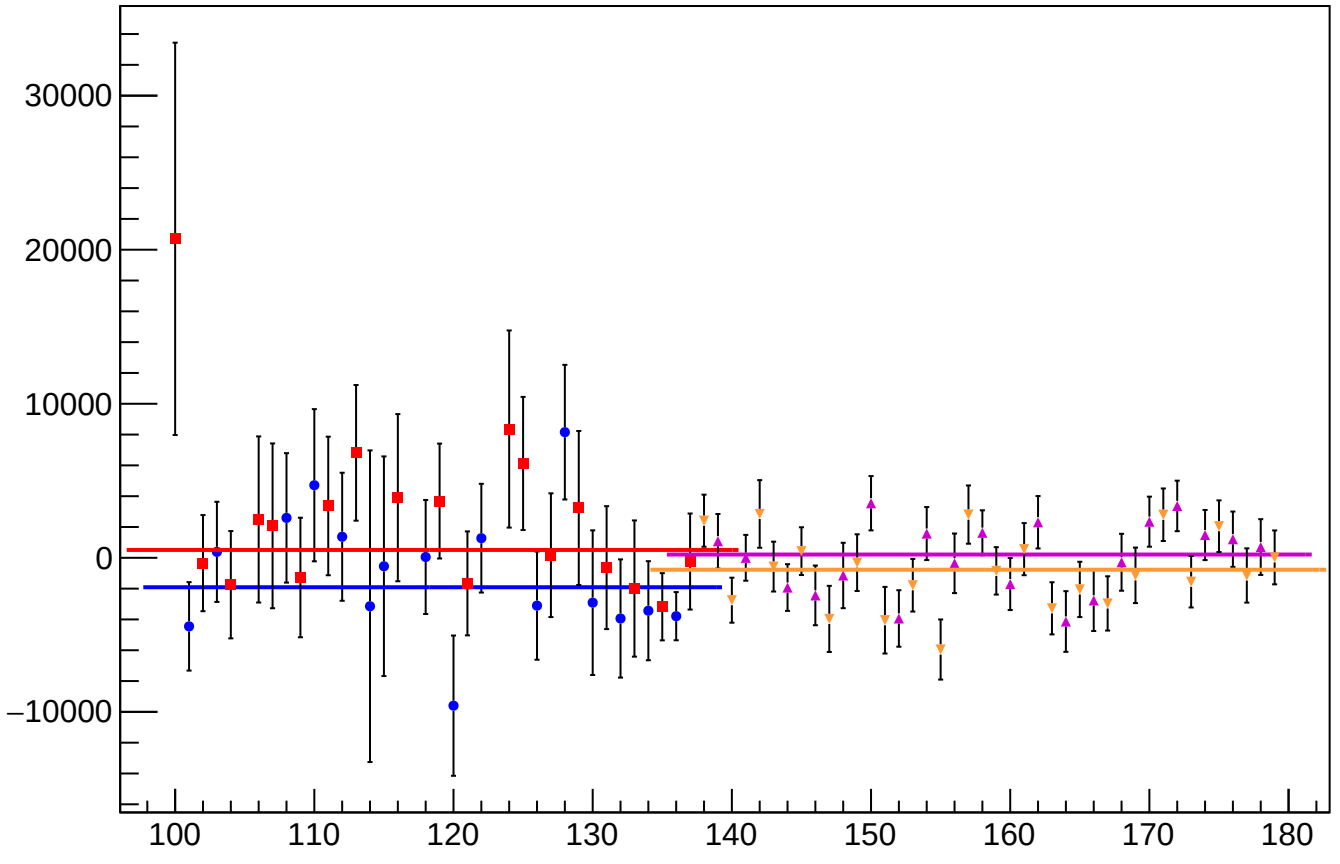
Left: 199.510+/-0.024 χ^2/NDF: 355726.8/41

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.211+/-0.029 χ^2/NDF:351666.9/35

Out: 199.625+/-0.028 χ^2/NDF:381512.9/40

All: 199.909+/-0.020 χ^2/NDF: 733386.5/76



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -773.488+/-372.584 χ^2/NDF:36.9/21

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 213.100+/-388.144 χ^2/NDF:31.3/19

Left: -300.366+/-268.789 χ^2/NDF: 71.5/41

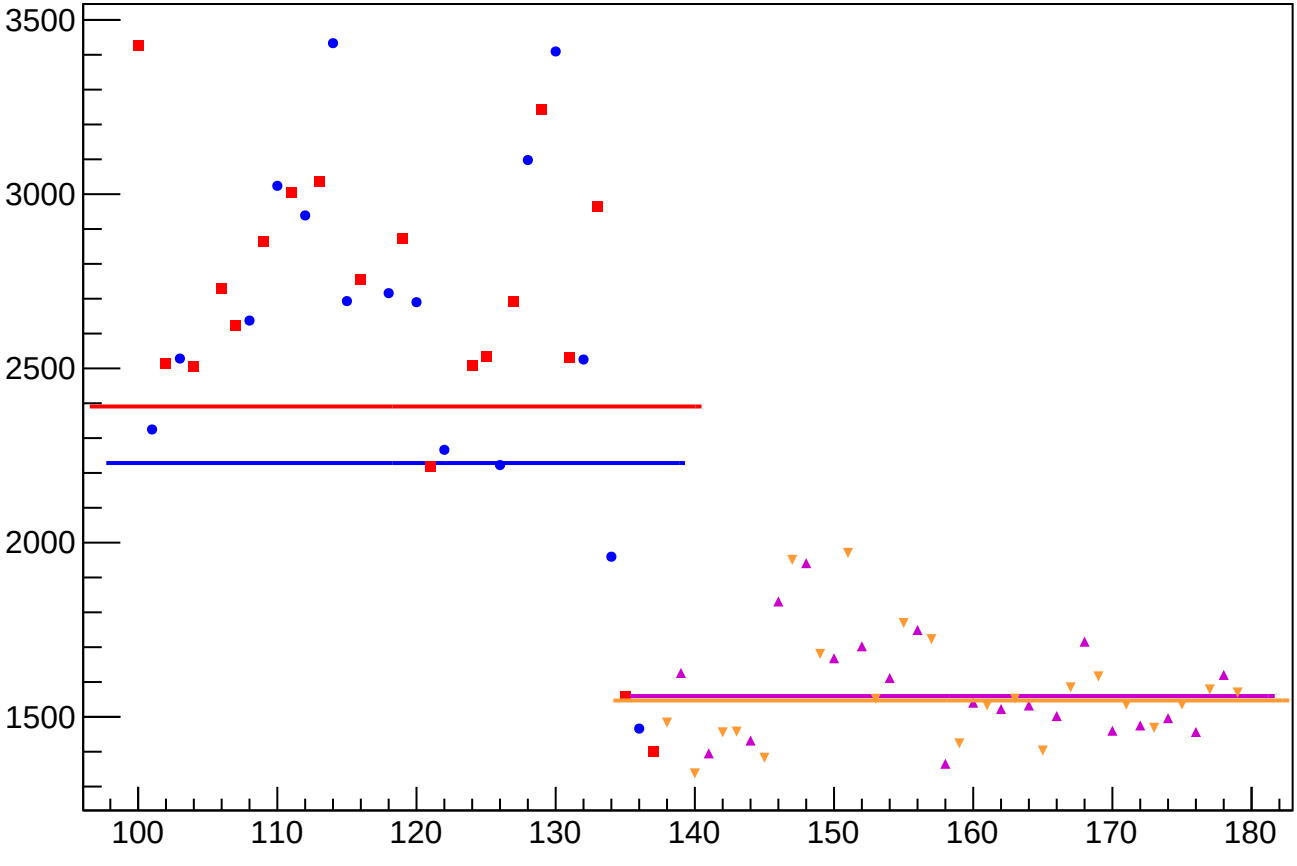
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -146.872+/-353.717 χ^2/NDF:52.6/35

Out: -586.235+/-344.363 χ^2/NDF:52.8/40

All: -372.440+/-246.742 χ^2/NDF: 106.3/76

asym_sam_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1559.808+/-0.274 χ^2/NDF:263917.0/19

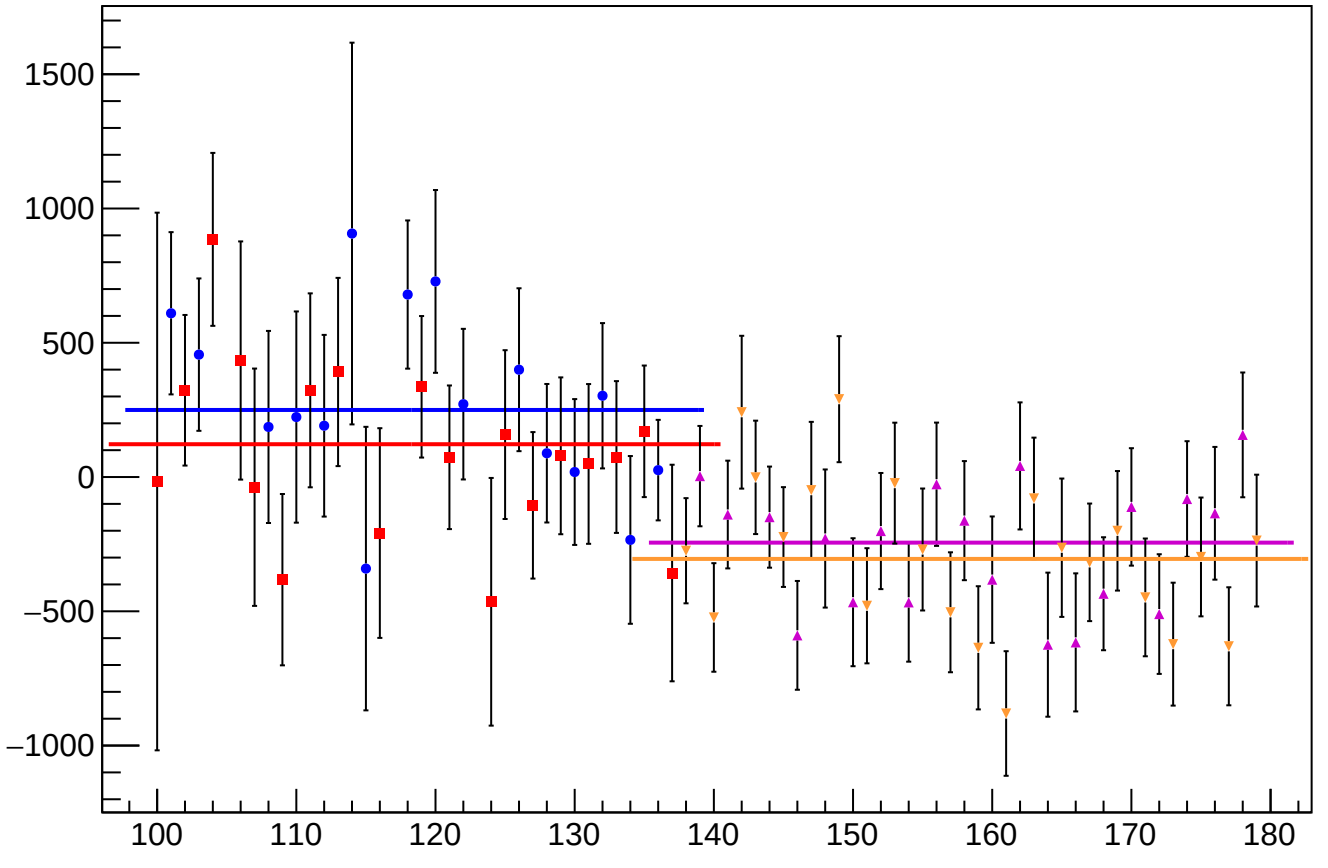
Left: 1553.180+/-0.190 χ^2/NDF: 577468.4/41

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1673.157+/-0.250 χ^2/NDF:2217691.1/35

Out: 1670.035+/-0.244 χ^2/NDF:2597026.1/40

All: 1671.554+/-0.174 χ^2/NDF: 4814797.2/76



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -304.933+/-47.690 χ^2/NDF:31.7/21

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -244.312+/-49.687 χ^2/NDF:20.4/19

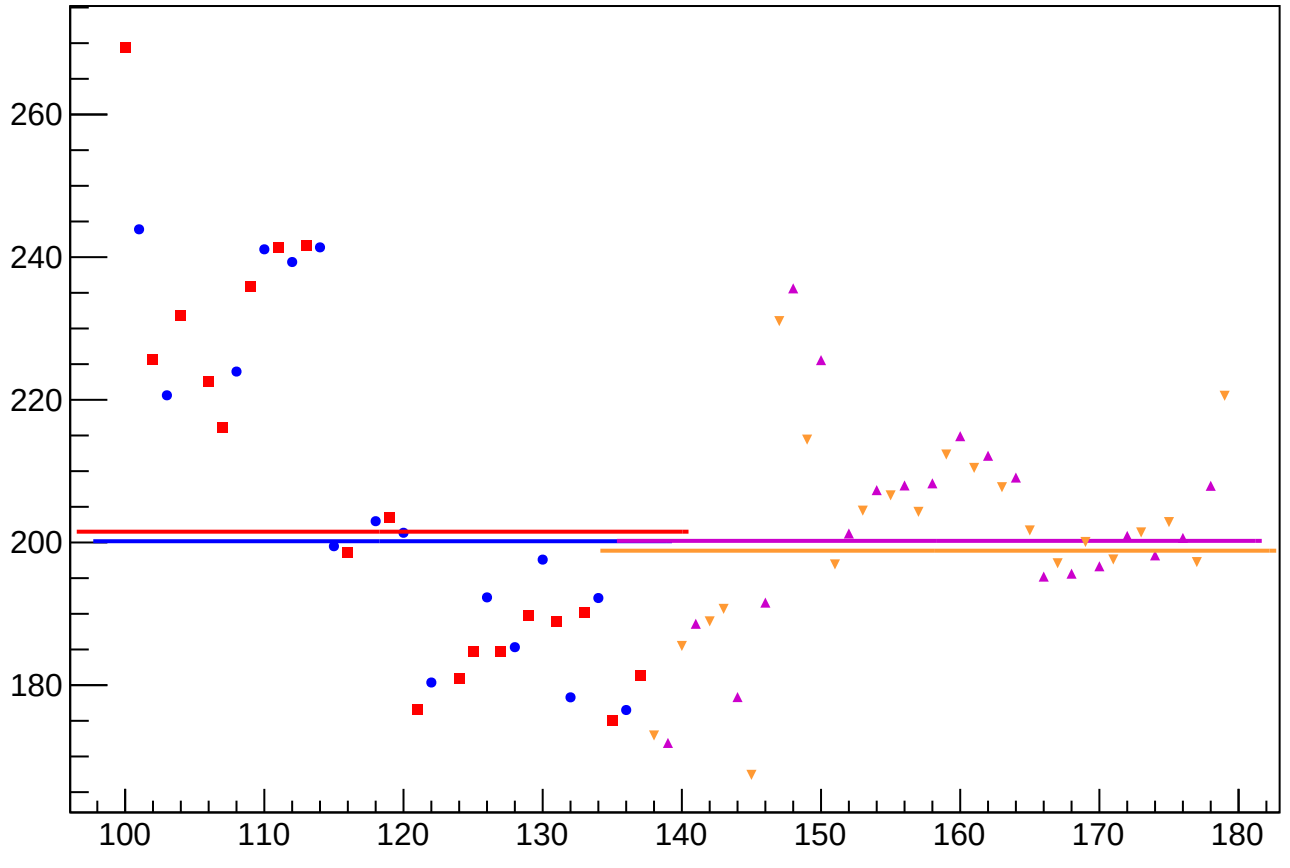
Left: -275.865+/-34.406 χ^2/NDF: 52.9/41

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -93.266+/-41.401 χ^2/NDF:64.4/35

Out: -180.494+/-40.147 χ^2/NDF:70.6/40

All: -138.221+/-28.821 χ^2/NDF: 137.3/76



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 198.849+/-0.034 χ^2/NDF:184261.5/21

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.227+/-0.035 χ^2/NDF:170664.7/19

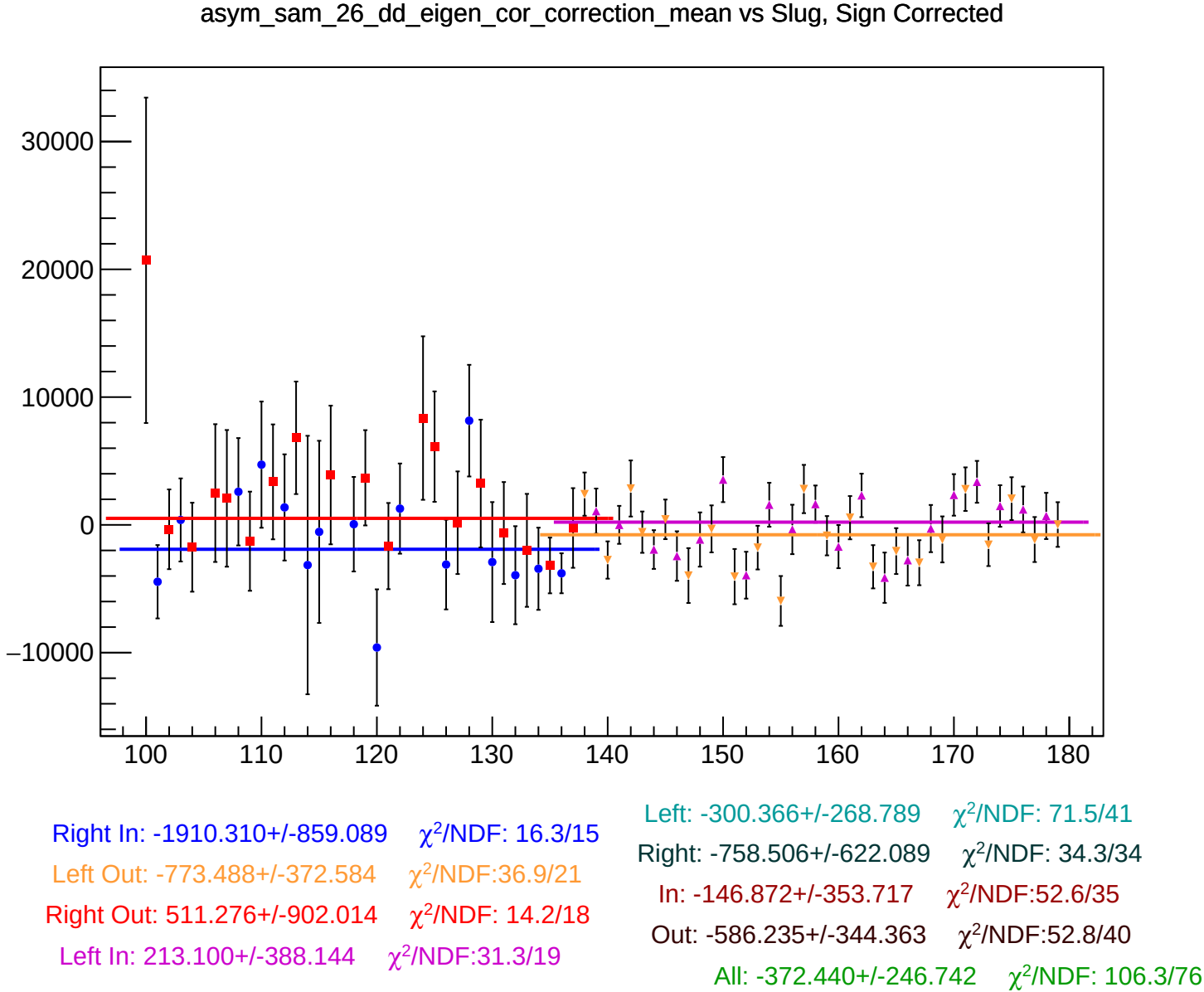
Left: 199.510+/-0.024 χ^2/NDF: 355726.8/41

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.211+/-0.029 χ^2/NDF:351666.9/35

Out: 199.625+/-0.028 χ^2/NDF:381512.9/40

All: 199.909+/-0.020 χ^2/NDF: 733386.5/76


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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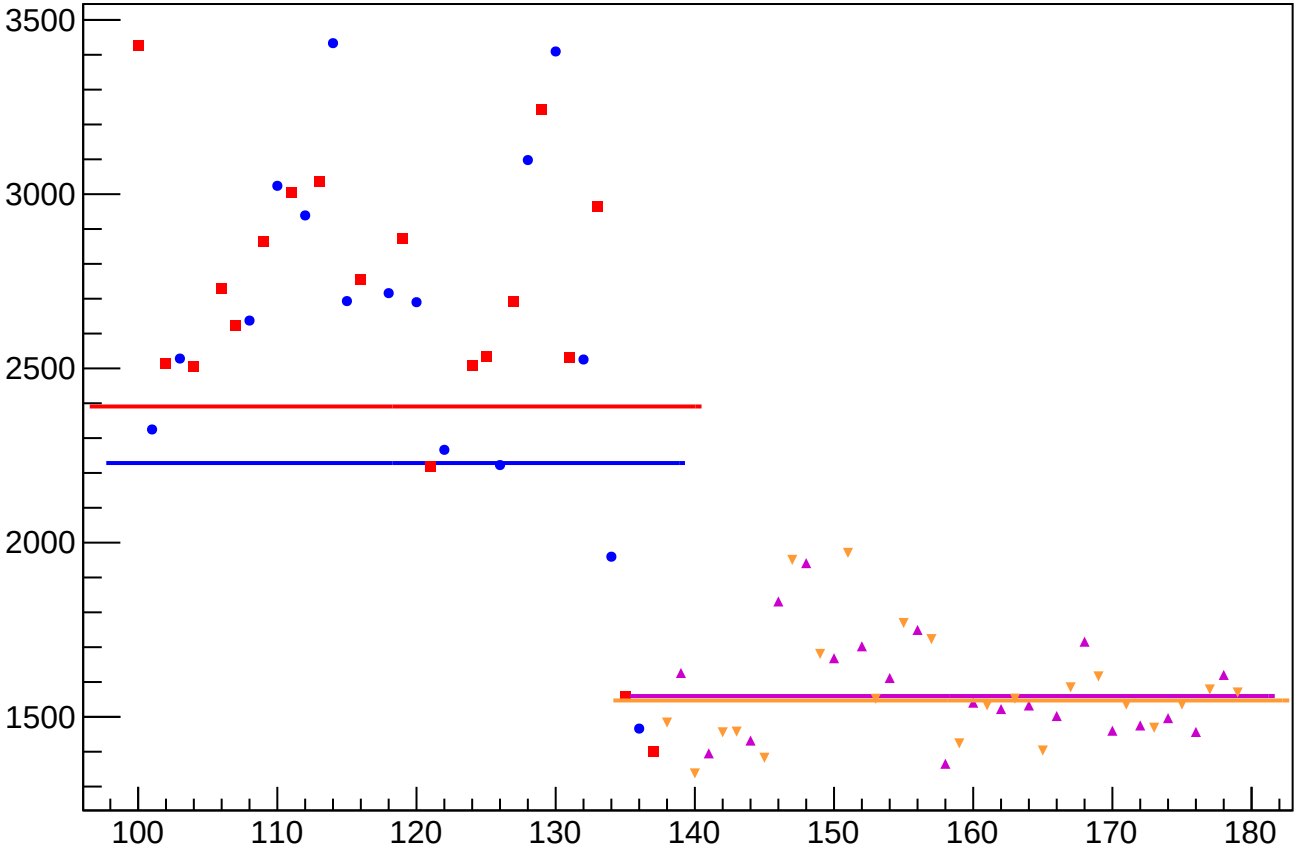
−10000
100
110
120
130
140
150
160
170
180
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -773.488+/-372.584 χ²/NDF:36.9/21
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 213.100+/-388.144 χ²/NDF:31.3/19
Left: -300.366+/-268.789 χ²/NDF: 71.5/41
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -146.872+/-353.717 χ²/NDF:52.6/35
Out: -586.235+/-344.363 χ²/NDF:52.8/40
All: -372.440+/-246.742 χ²/NDF: 106.3/76

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1547.072+/-0.263 χ^2/NDF:312430.7/21

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1559.808+/-0.274 χ^2/NDF:263917.0/19

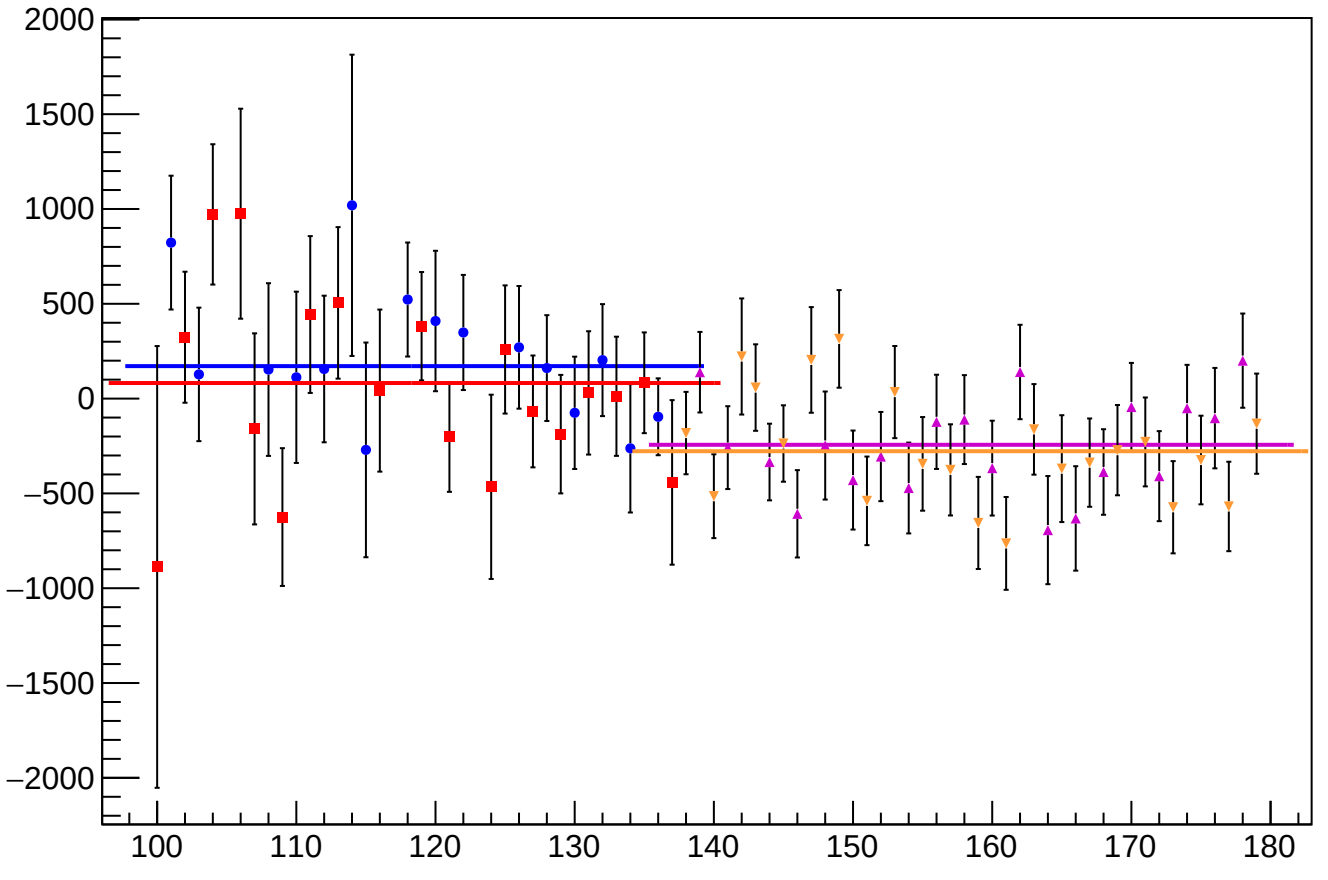
Left: 1553.180+/-0.190 χ^2/NDF: 577468.4/41

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1673.157+/-0.250 χ^2/NDF:2217691.1/35

Out: 1670.035+/-0.244 χ^2/NDF:2597026.1/40

All: 1671.554+/-0.174 χ^2/NDF: 4814797.2/76



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -277.477+/-51.386 χ^2/NDF:27.8/21

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -243.661+/-53.733 χ^2/NDF:20.9/19

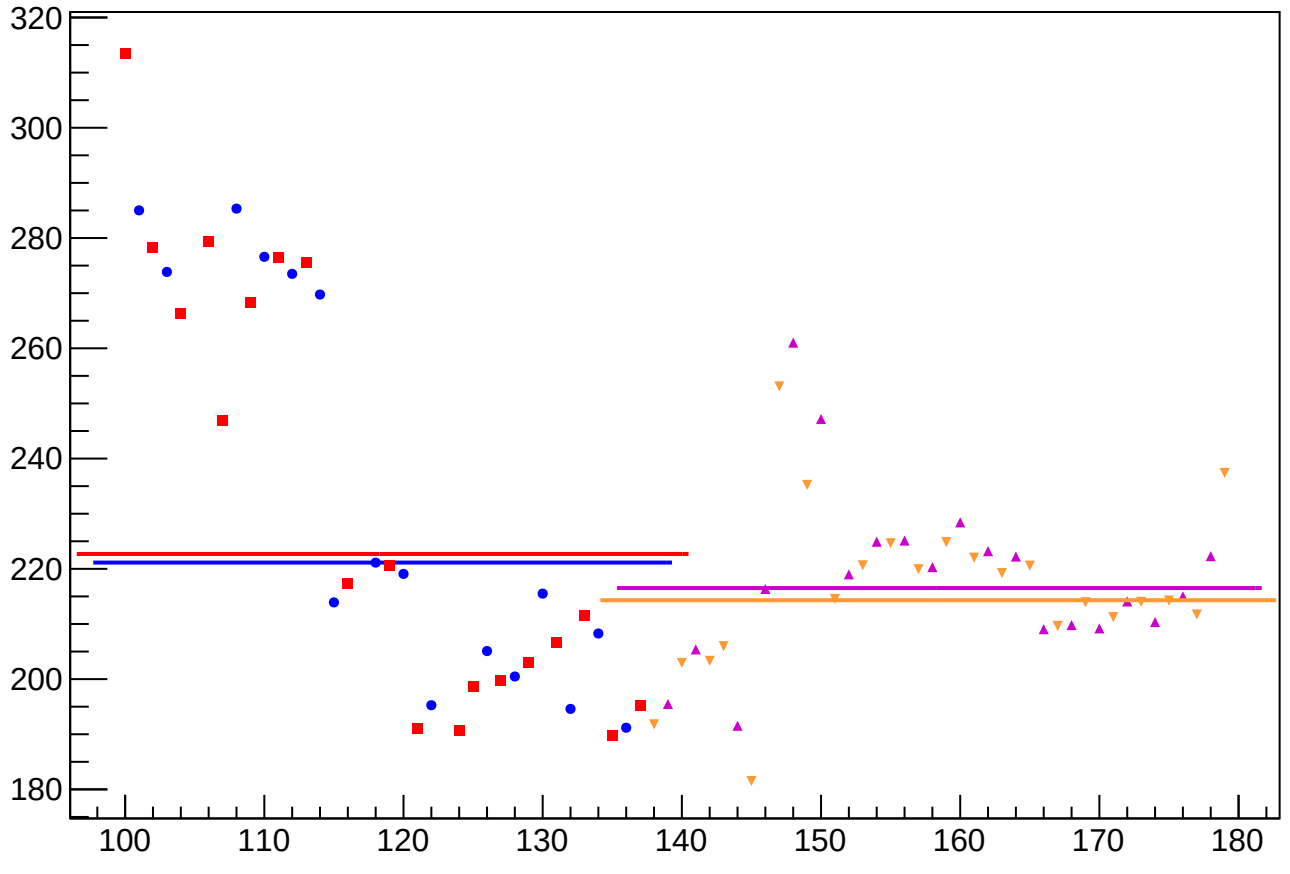
Left: -261.324+/-37.137 χ^2/NDF: 48.9/41

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -121.364+/-45.124 χ^2/NDF:50.0/35

Out: -177.035+/-43.624 χ^2/NDF:63.1/40

All: -150.140+/-31.364 χ^2/NDF: 113.8/76



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 214.311+/-0.036 χ^2/NDF:167136.8/21

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.517+/-0.038 χ^2/NDF:152109.2/19

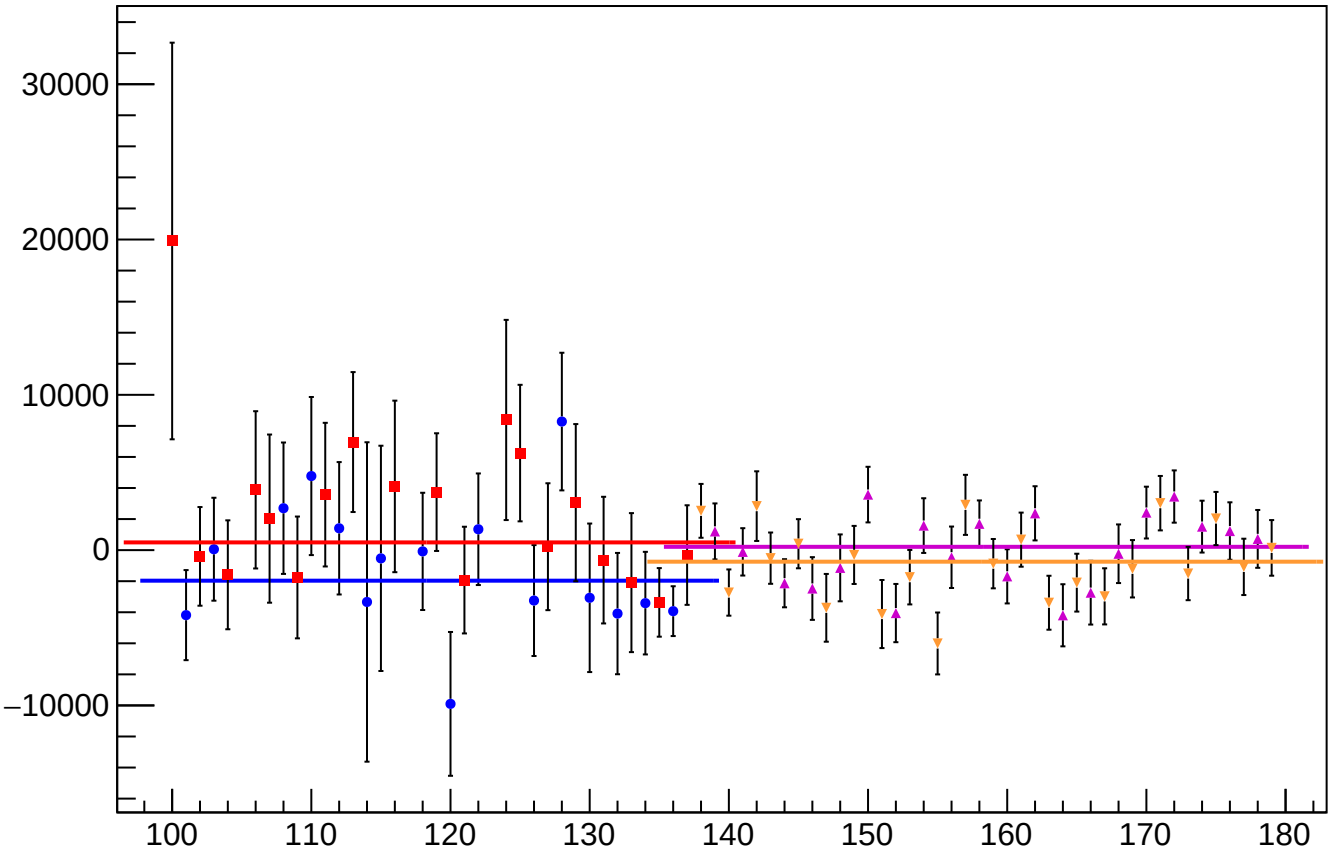
Left: 215.365+/-0.026 χ^2/NDF: 321005.8/41

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.879+/-0.032 χ^2/NDF:475174.0/35

Out: 216.653+/-0.031 χ^2/NDF:509046.8/40

All: 217.245+/-0.022 χ^2/NDF: 984983.6/76



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -743.891+/-381.675 χ^2/NDF:36.4/21

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 213.183+/-398.119 χ^2/NDF:31.3/19

Left: -285.526+/-275.515 χ^2/NDF: 70.8/41

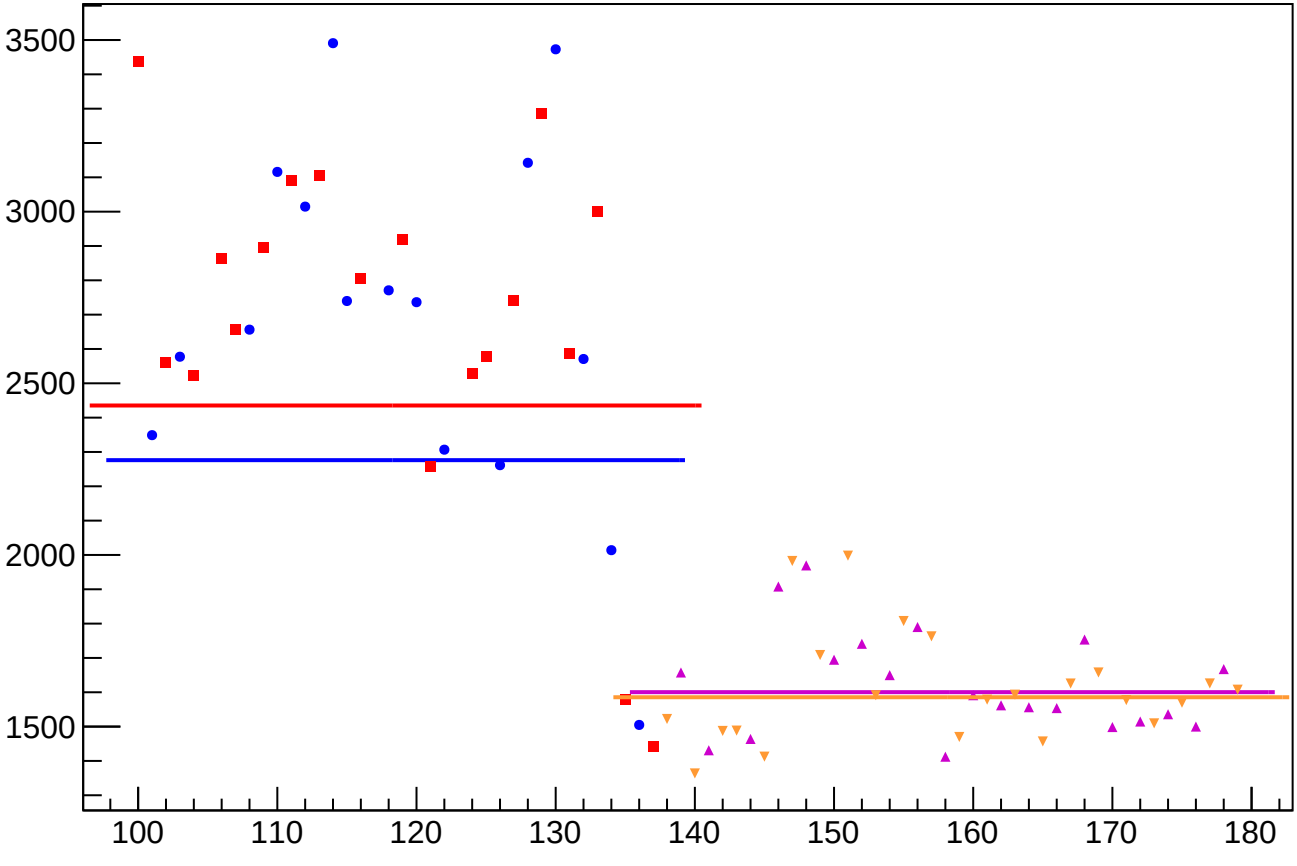
Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -159.678+/-362.487 χ^2/NDF:52.6/35

Out: -559.854+/-352.244 χ^2/NDF:52.8/40

All: -365.500+/-252.618 χ^2/NDF: 106.0/76

asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1585.485+/-0.270 χ^2/NDF:298919.5/21

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1600.312+/-0.282 χ^2/NDF:255674.1/19

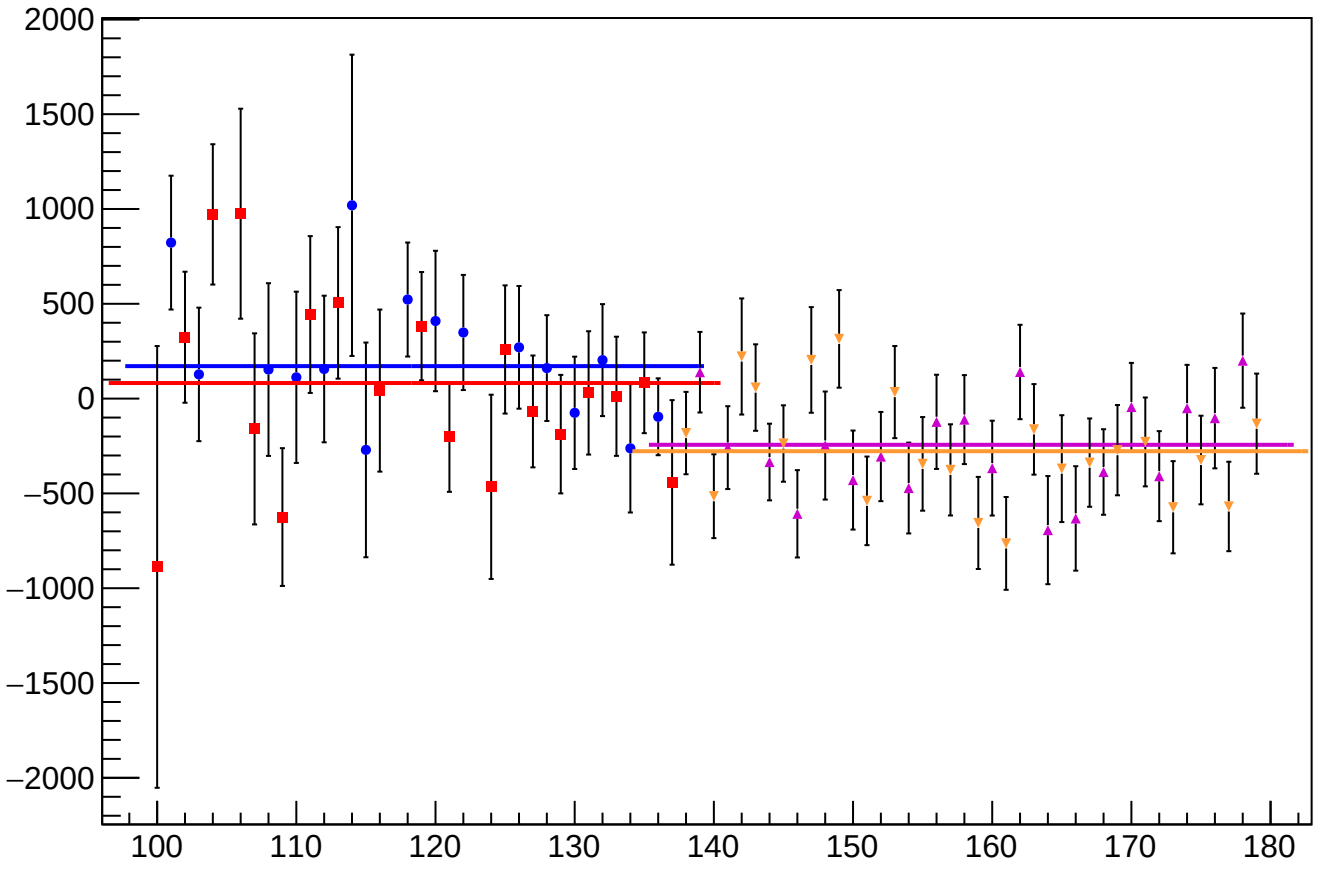
Left: 1592.586+/-0.195 χ^2/NDF: 556039.2/41

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1715.872+/-0.256 χ^2/NDF:2168122.4/35

Out: 1711.501+/-0.249 χ^2/NDF:2560780.7/40

All: 1713.624+/-0.179 χ^2/NDF: 4729052.6/76



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -277.480+/-51.386 χ^2/NDF:27.8/21

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -243.663+/-53.733 χ^2/NDF:20.9/19

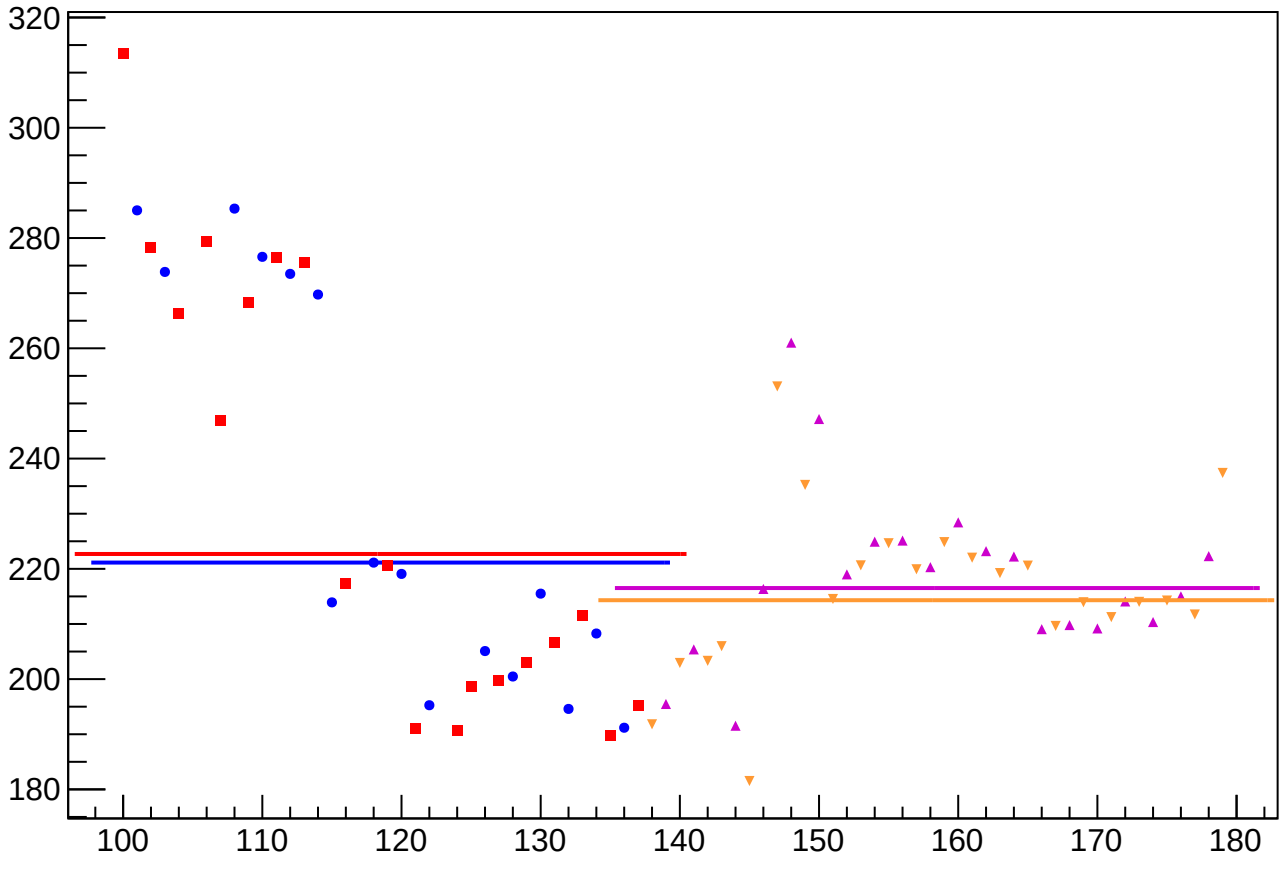
Left: -261.326+/-37.137 χ^2/NDF: 48.9/41

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -121.363+/-45.124 χ^2/NDF:50.0/35

Out: -177.037+/-43.624 χ^2/NDF:63.1/40

All: -150.141+/-31.364 χ^2/NDF: 113.8/76



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 214.311+/-0.036 χ^2/NDF:167141.0/21

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.516+/-0.038 χ^2/NDF:152111.8/19

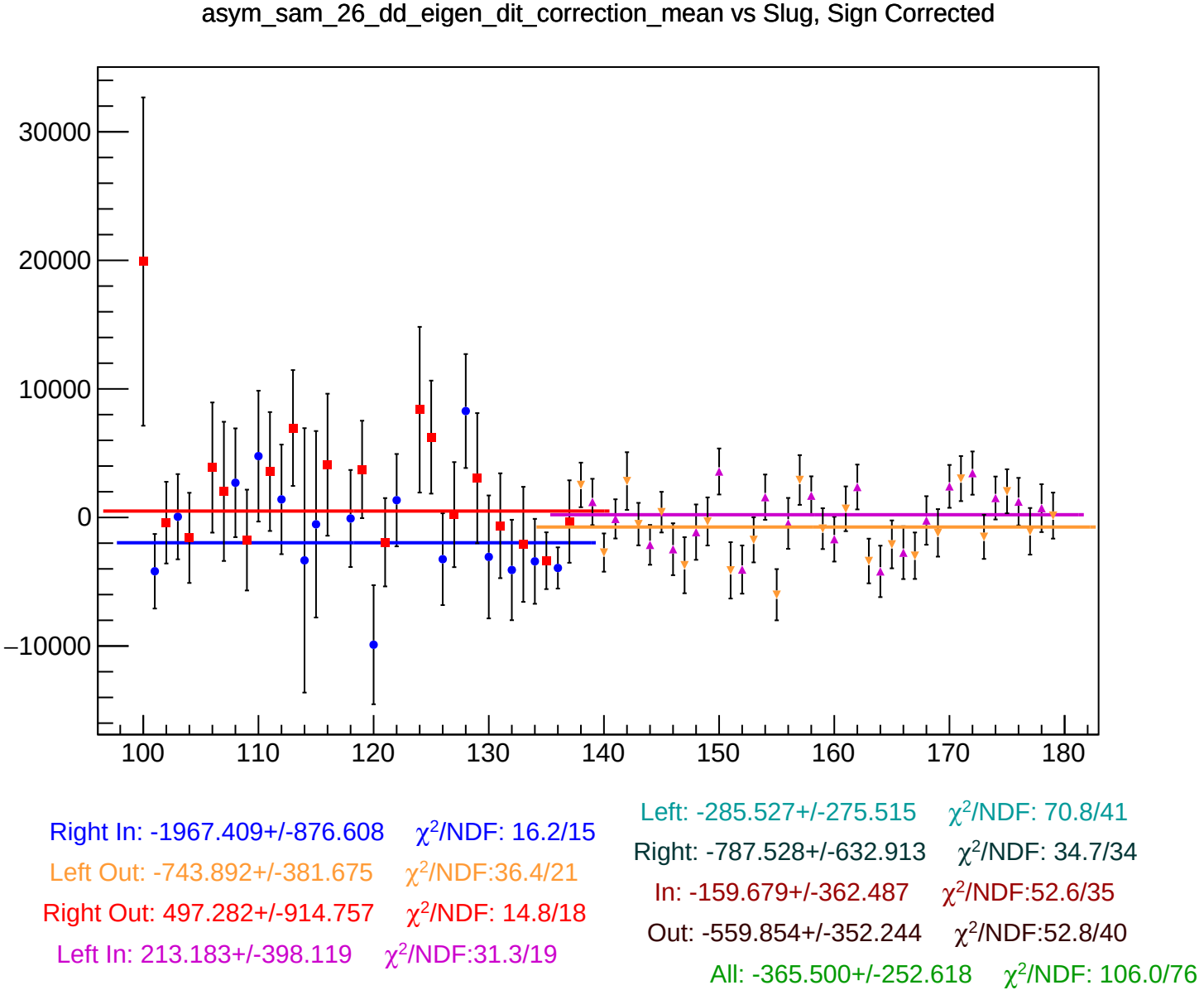
Left: 215.364+/-0.026 χ^2/NDF: 321012.4/41

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

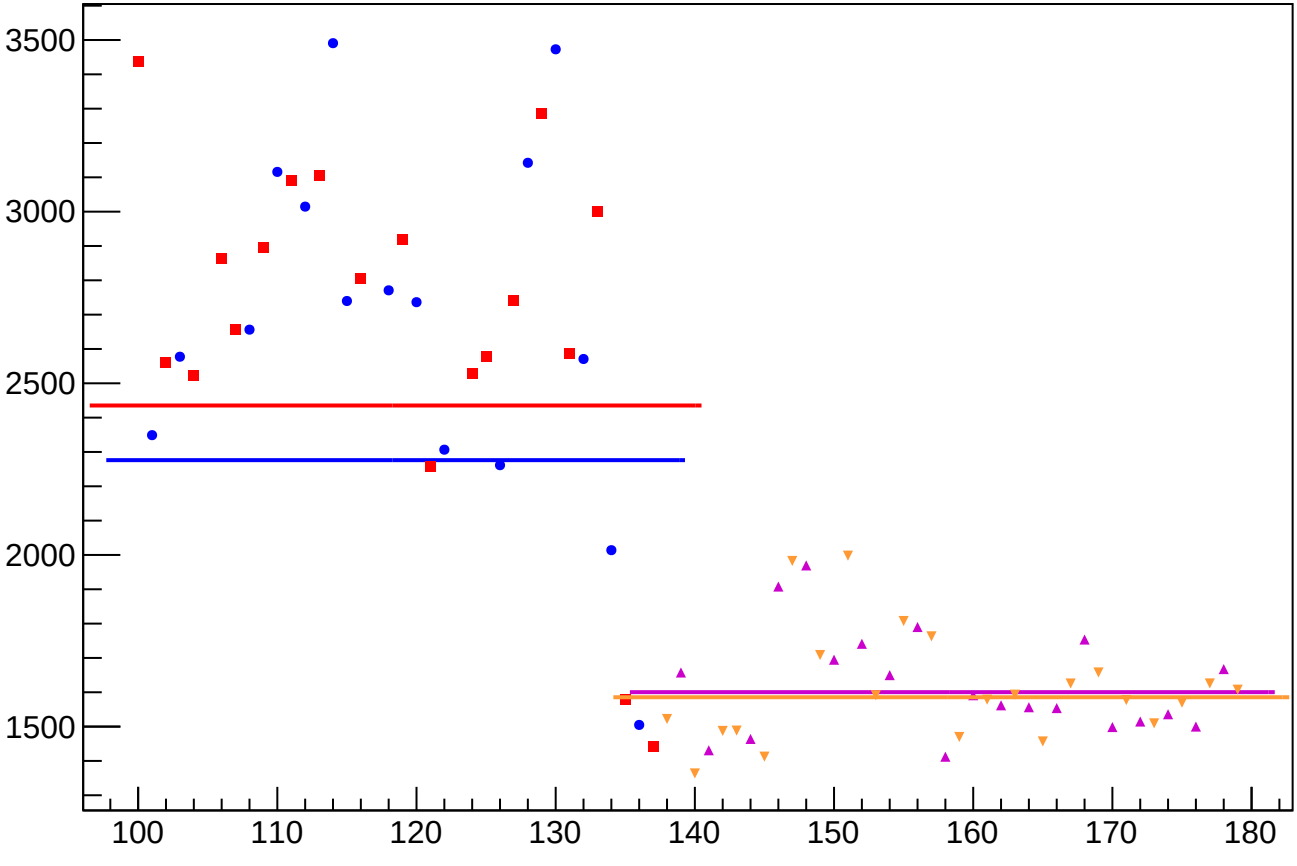
In: 217.879+/-0.032 χ^2/NDF:475169.6/35

Out: 216.653+/-0.031 χ^2/NDF:509041.2/40

All: 217.245+/-0.022 χ^2/NDF: 984973.3/76


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -743.892+/-381.675 χ²/NDF:36.4/21
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: 213.183+/-398.119 χ²/NDF:31.3/19
Left: -285.527+/-275.515 χ²/NDF: 70.8/41
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -159.679+/-362.487 χ²/NDF:52.6/35
Out: -559.854+/-352.244 χ²/NDF:52.8/40
All: -365.500+/-252.618 χ²/NDF: 106.0/76

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1585.485+/-0.270 χ^2/NDF:298922.3/21

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1600.313+/-0.282 χ^2/NDF:255675.4/19

Left: 1592.587+/-0.195 χ^2/NDF: 556043.2/41

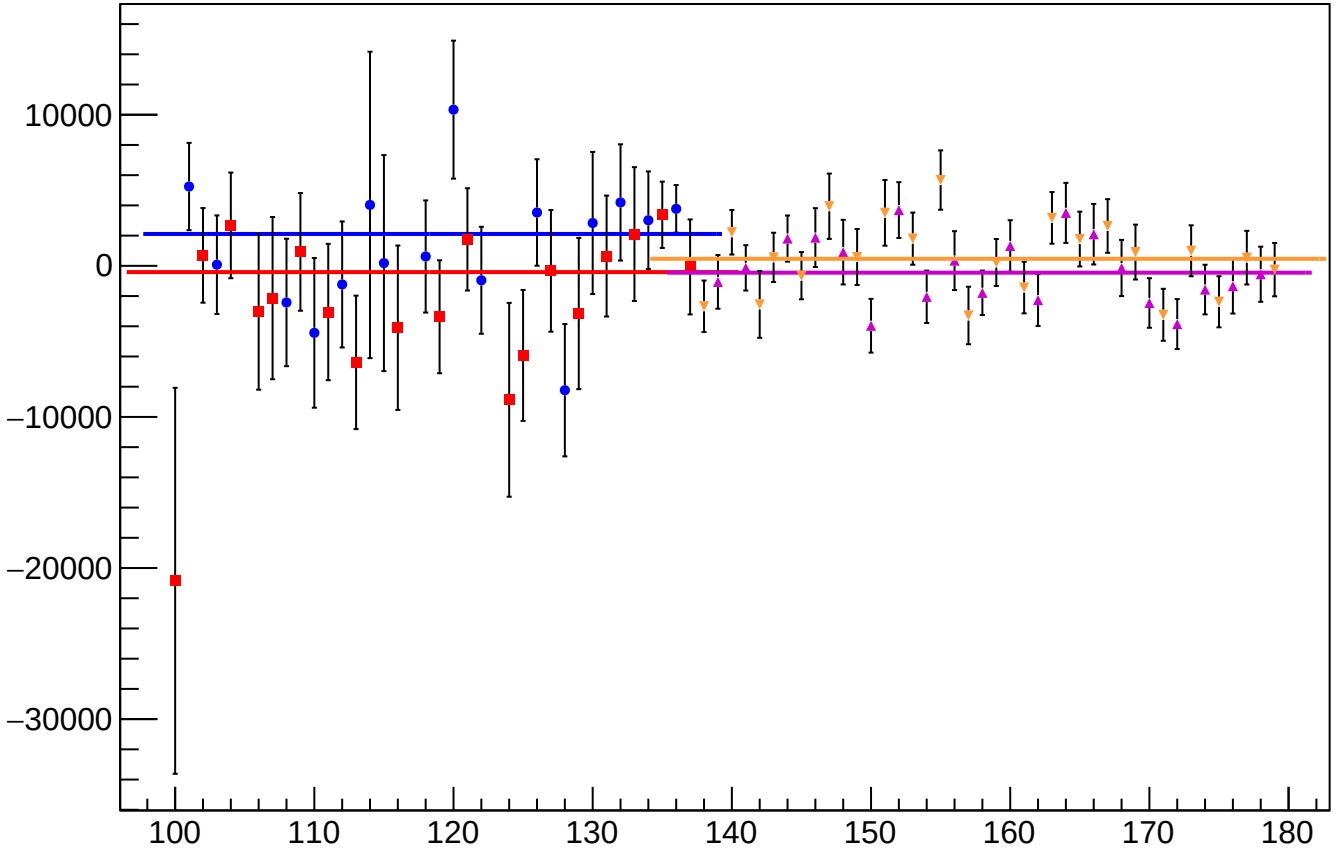
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1715.872+/-0.256 χ^2/NDF:2168108.1/35

Out: 1711.501+/-0.249 χ^2/NDF:2560767.6/40

All: 1713.624+/-0.179 χ^2/NDF: 4729025.3/76

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 466.094+/-375.763 χ^2/NDF:36.9/21

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -451.784+/-391.471 χ^2/NDF:29.2/19

Left: 25.938+/-271.088 χ^2/NDF: 68.9/41

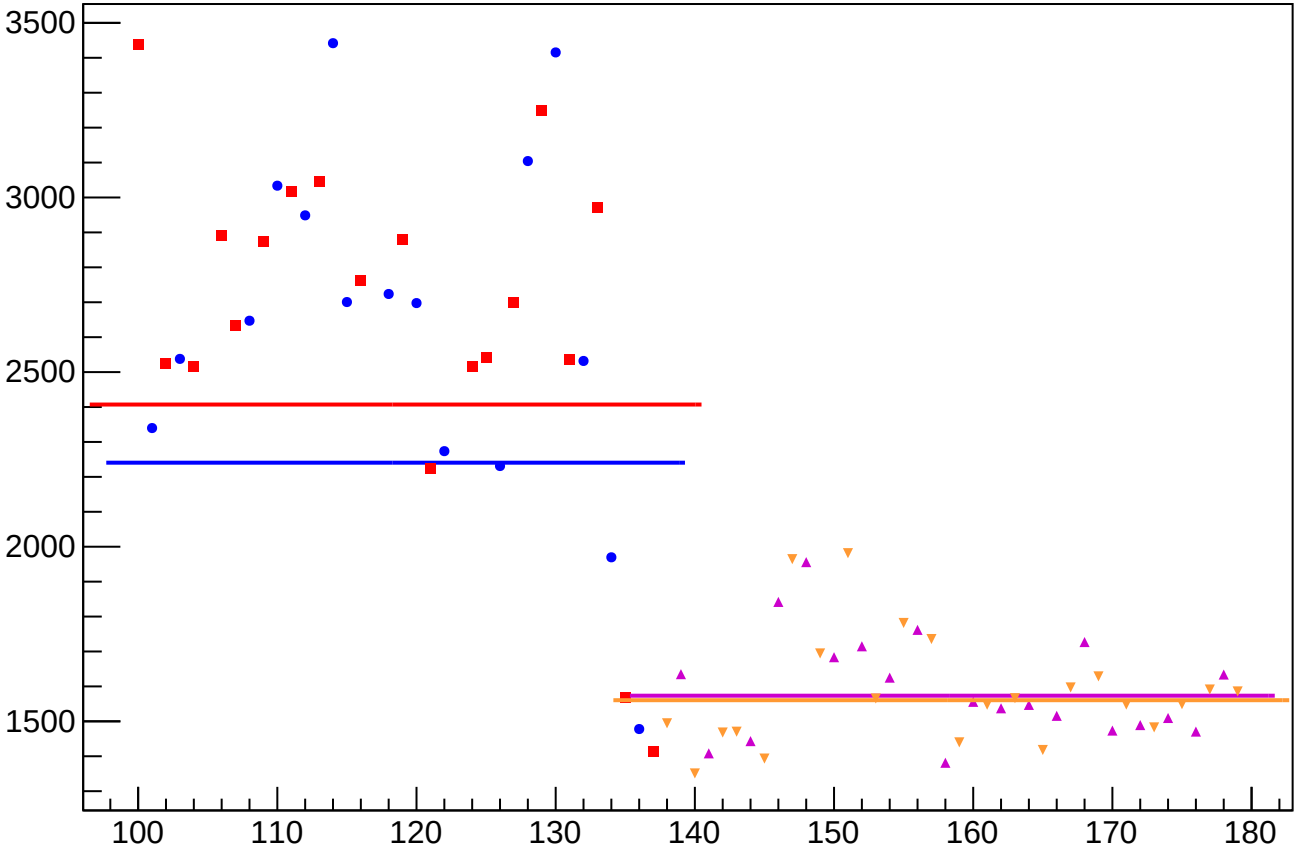
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: -14.932+/-356.527 χ^2/NDF:53.1/35

Out: 336.522+/-347.005 χ^2/NDF:52.3/40

All: 165.551+/-248.668 χ^2/NDF: 105.9/76

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1560.507+/-0.266 χ^2/NDF:307119.4/21

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1573.406+/-0.277 χ^2/NDF:258011.8/19

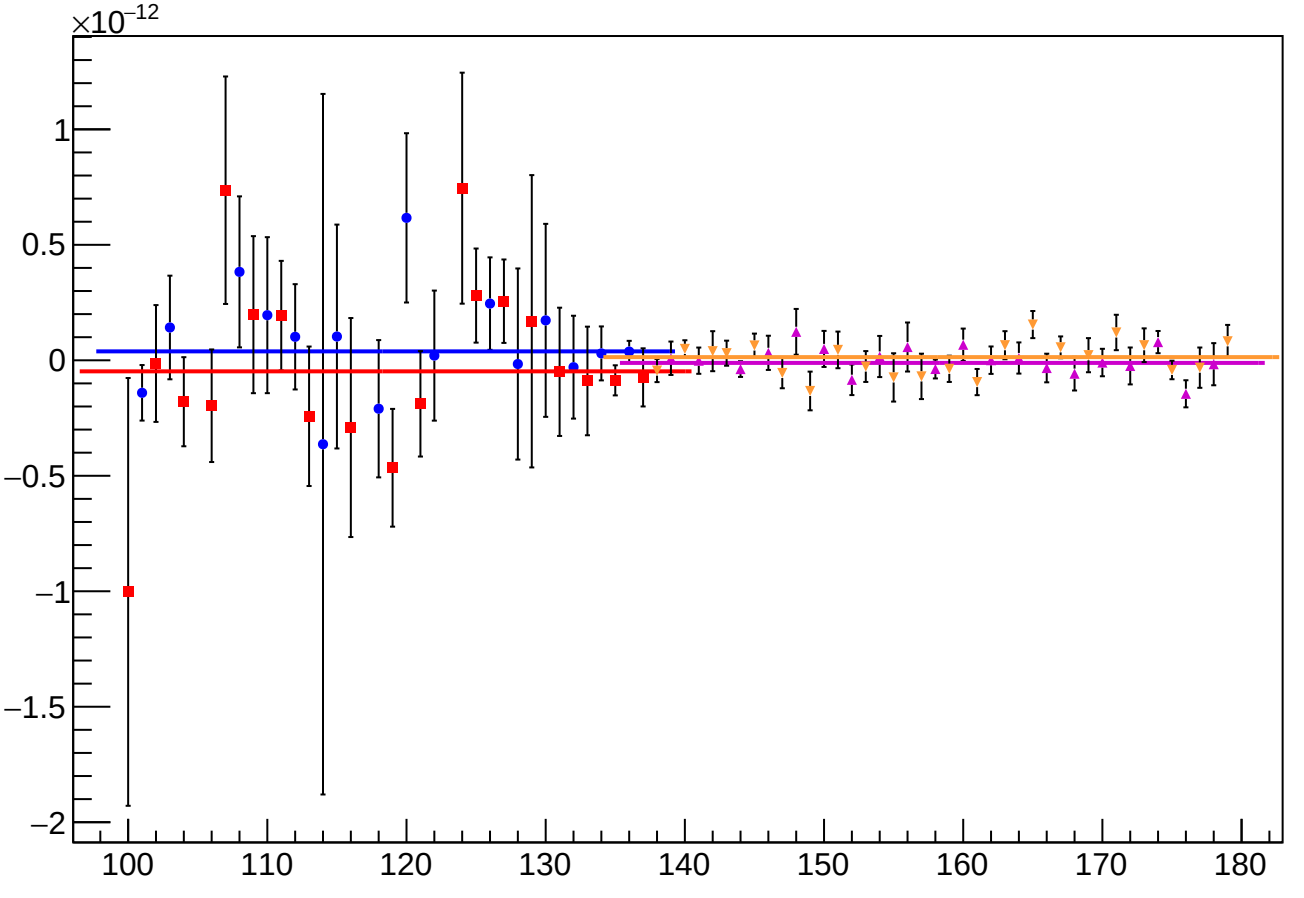
Left: 1566.693+/-0.192 χ^2/NDF: 566261.4/41

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1687.206+/-0.252 χ^2/NDF:2182525.1/35

Out: 1685.137+/-0.245 χ^2/NDF:2590651.0/40

All: 1686.143+/-0.176 χ^2/NDF: 4773210.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/19

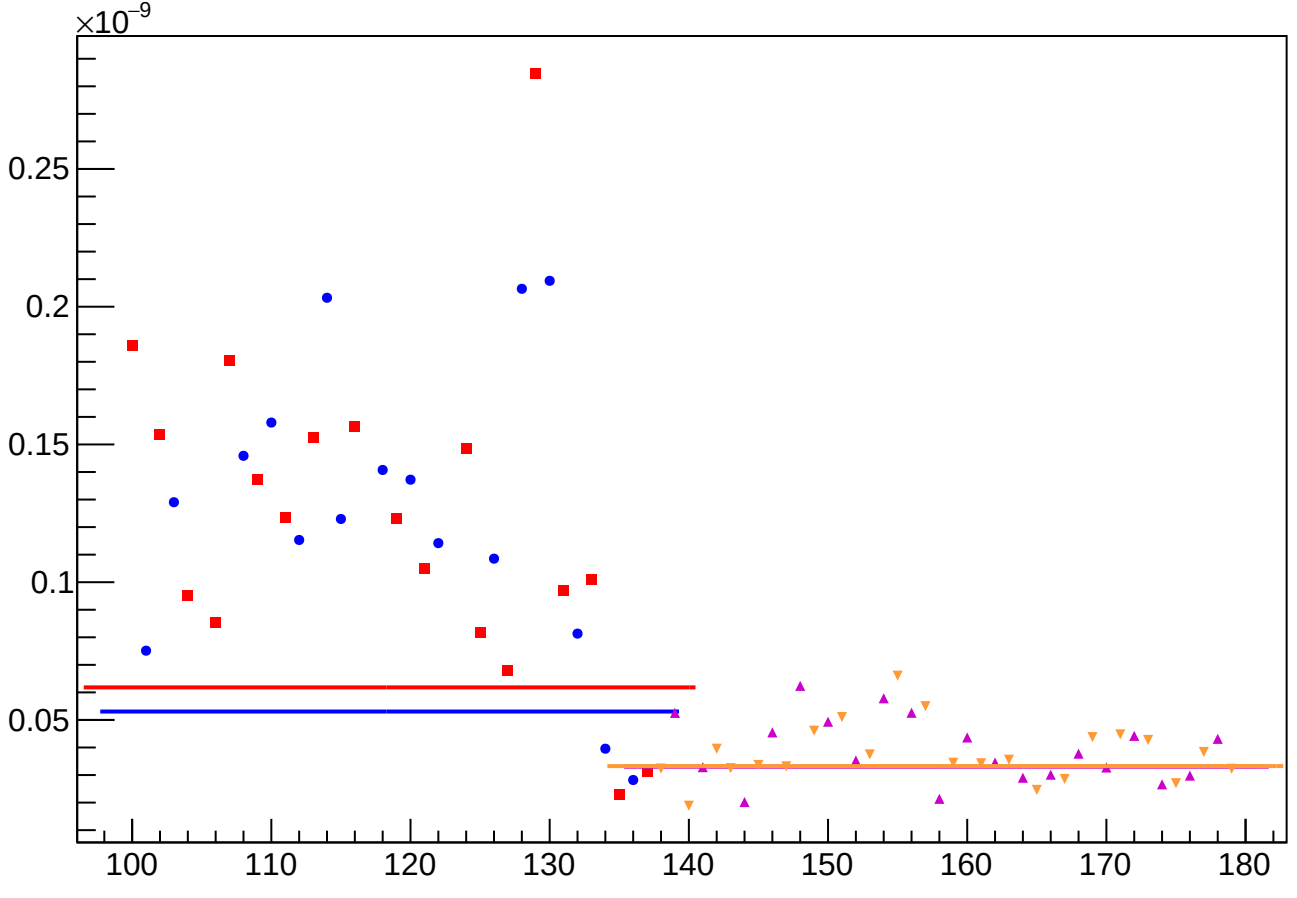
Left: 0.000+/-0.000 χ^2/NDF: 44.9/41

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:26.4/35

Out: 0.000+/-0.000 χ^2/NDF:46.9/40

All: 0.000+/-0.000 χ^2/NDF: 73.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998817.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1309579.6/19

Left: 0.000+/-0.000 χ^2/NDF: 2308649.3/41

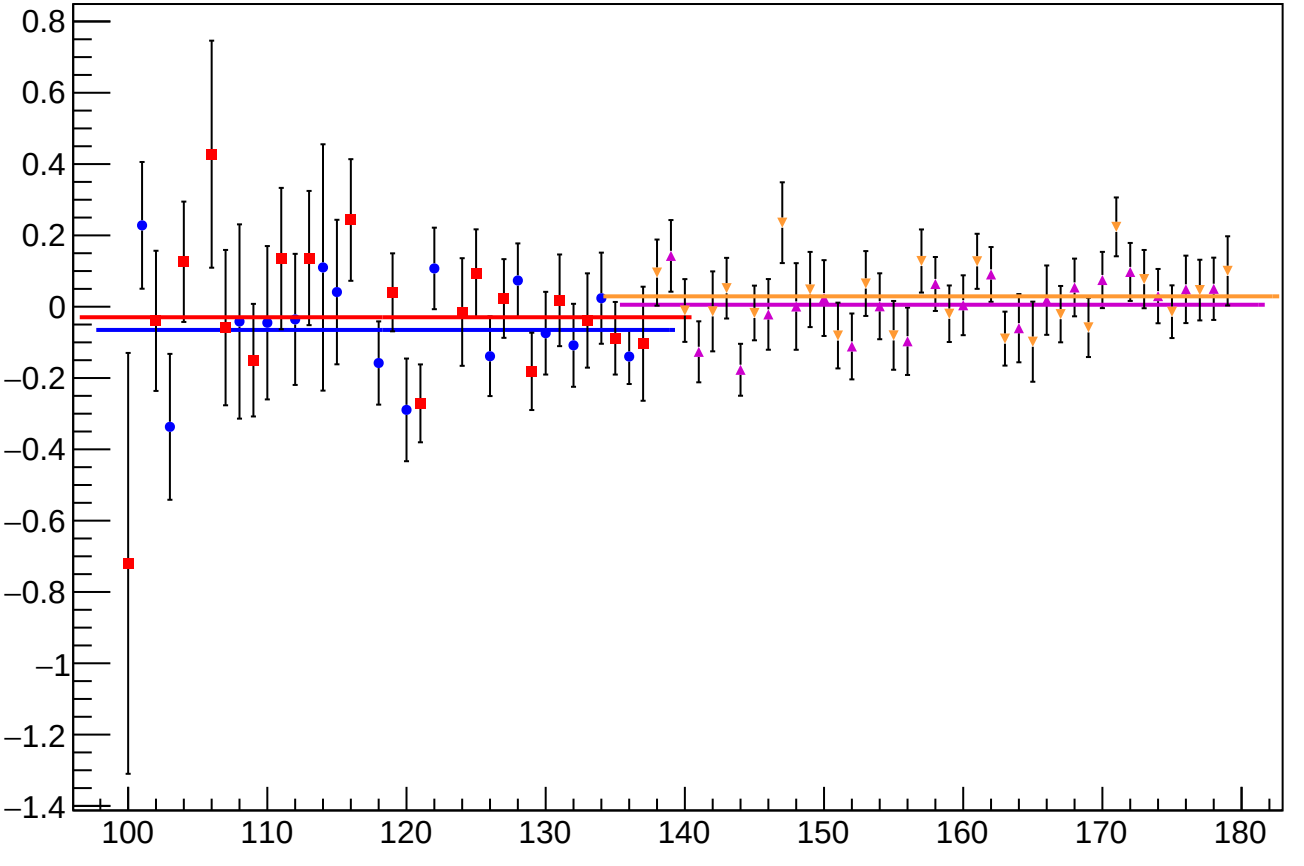
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4416633.9/35

Out: 0.000+/-0.000 χ^2/NDF:4213634.1/40

All: 0.000+/-0.000 χ^2/NDF: 8630271.3/76

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.018+/-0.013 χ^2/NDF: 42.3/41

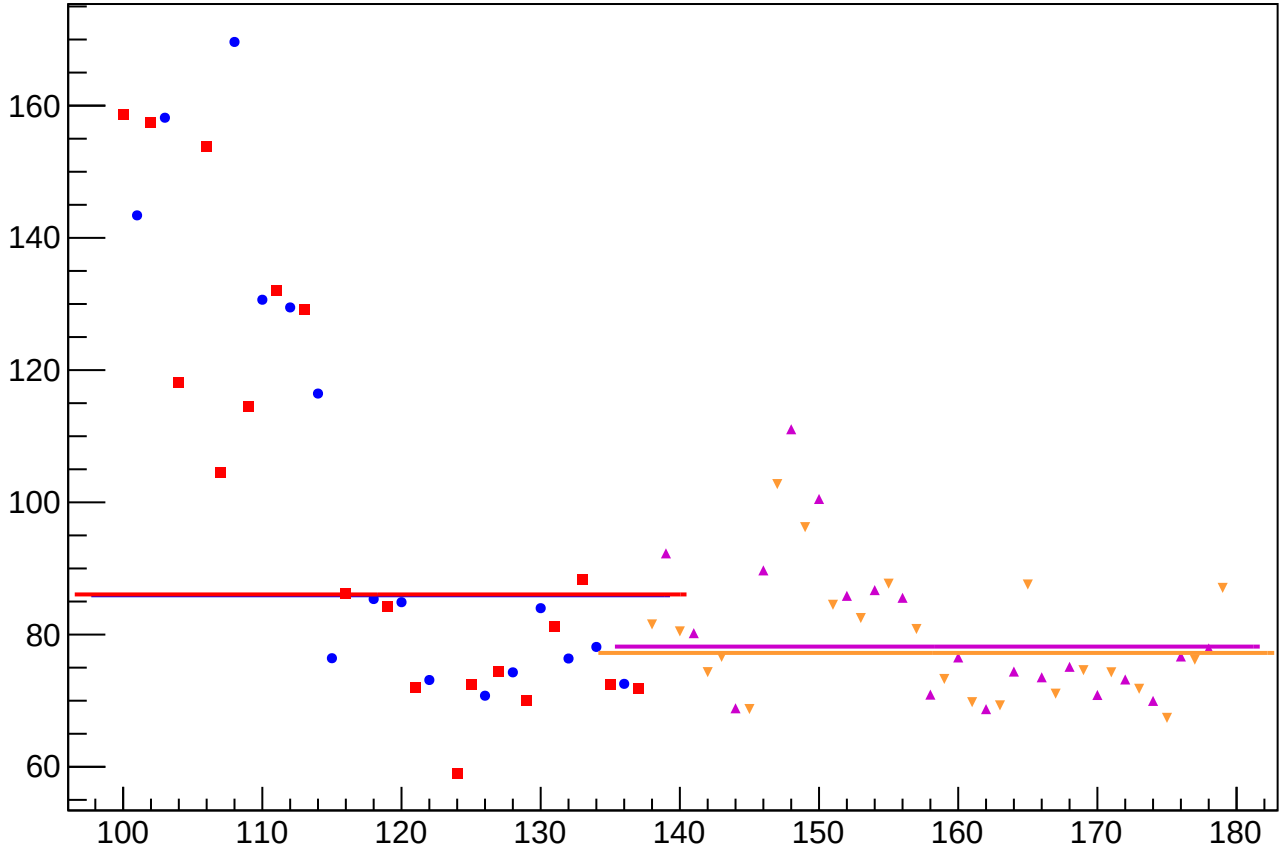
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.002+/-0.012 χ^2/NDF: 80.9/76

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.227+/-0.013 χ^2/NDF:390005.0/21

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.183+/-0.014 χ^2/NDF:486703.3/19

Left: 77.681+/-0.010 χ^2/NDF: 879213.7/41

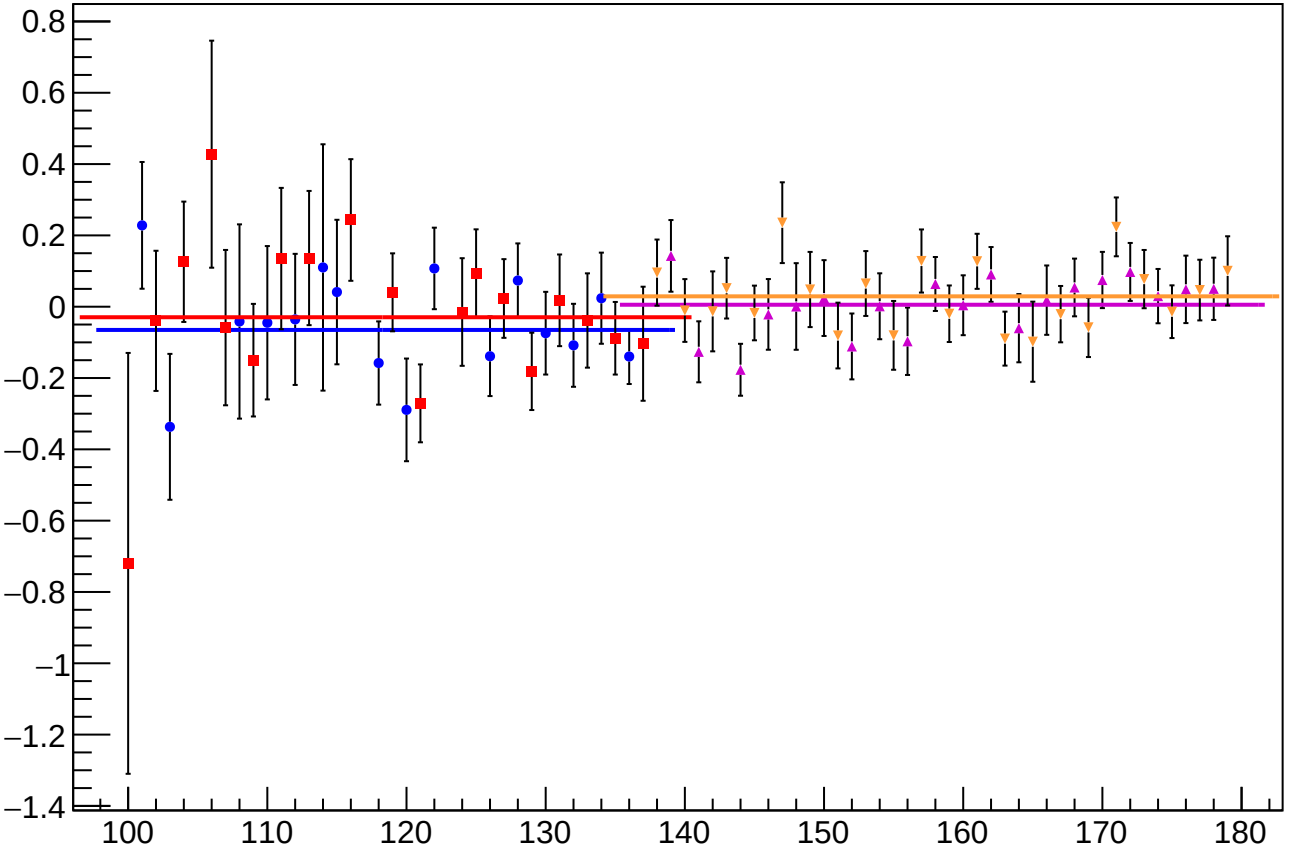
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.176+/-0.012 χ^2/NDF:1602448.5/35

Out: 79.367+/-0.011 χ^2/NDF:1490572.0/40

All: 79.755+/-0.008 χ^2/NDF: 3095412.7/76

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.018+/-0.013 χ^2/NDF: 42.3/41

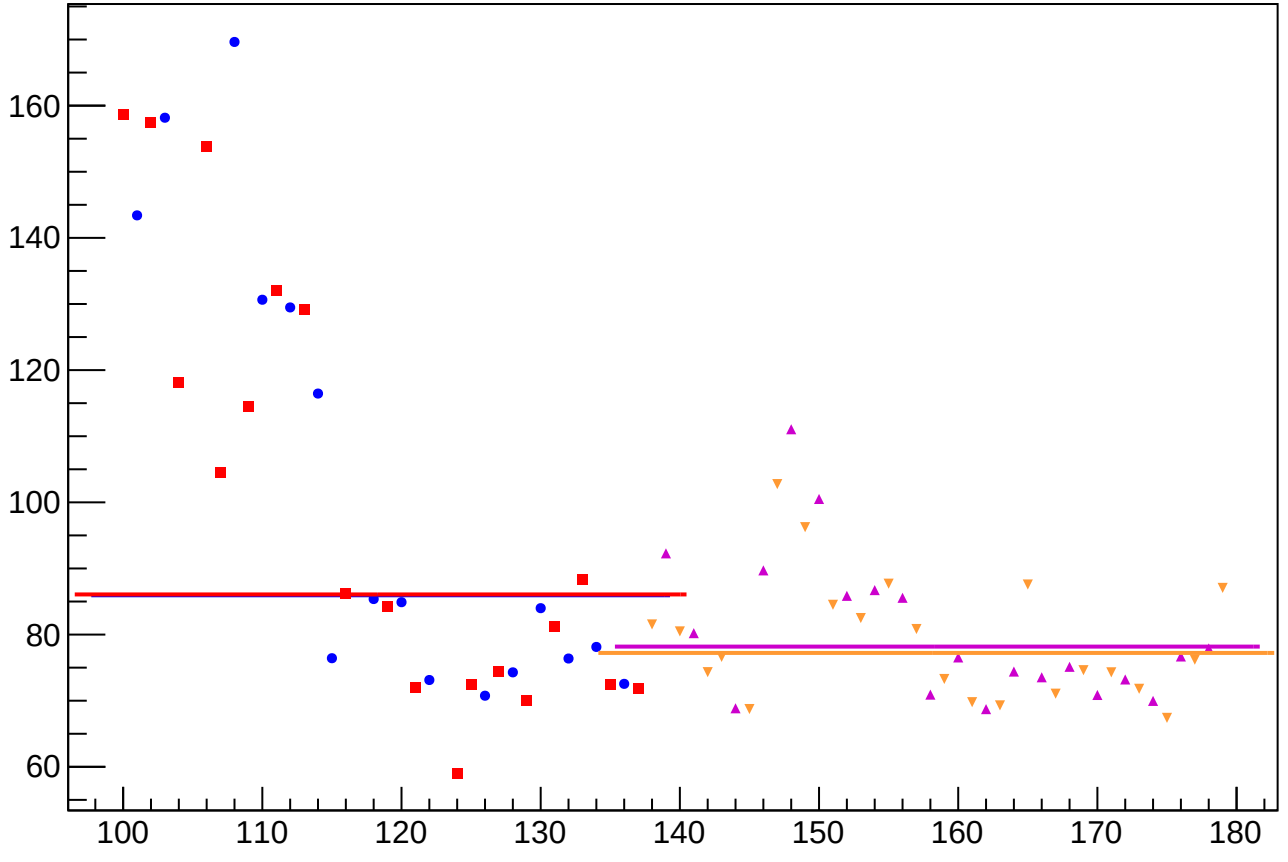
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.002+/-0.012 χ^2/NDF: 80.9/76

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.227+/-0.013 χ^2/NDF:390005.0/21

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.183+/-0.014 χ^2/NDF:486703.3/19

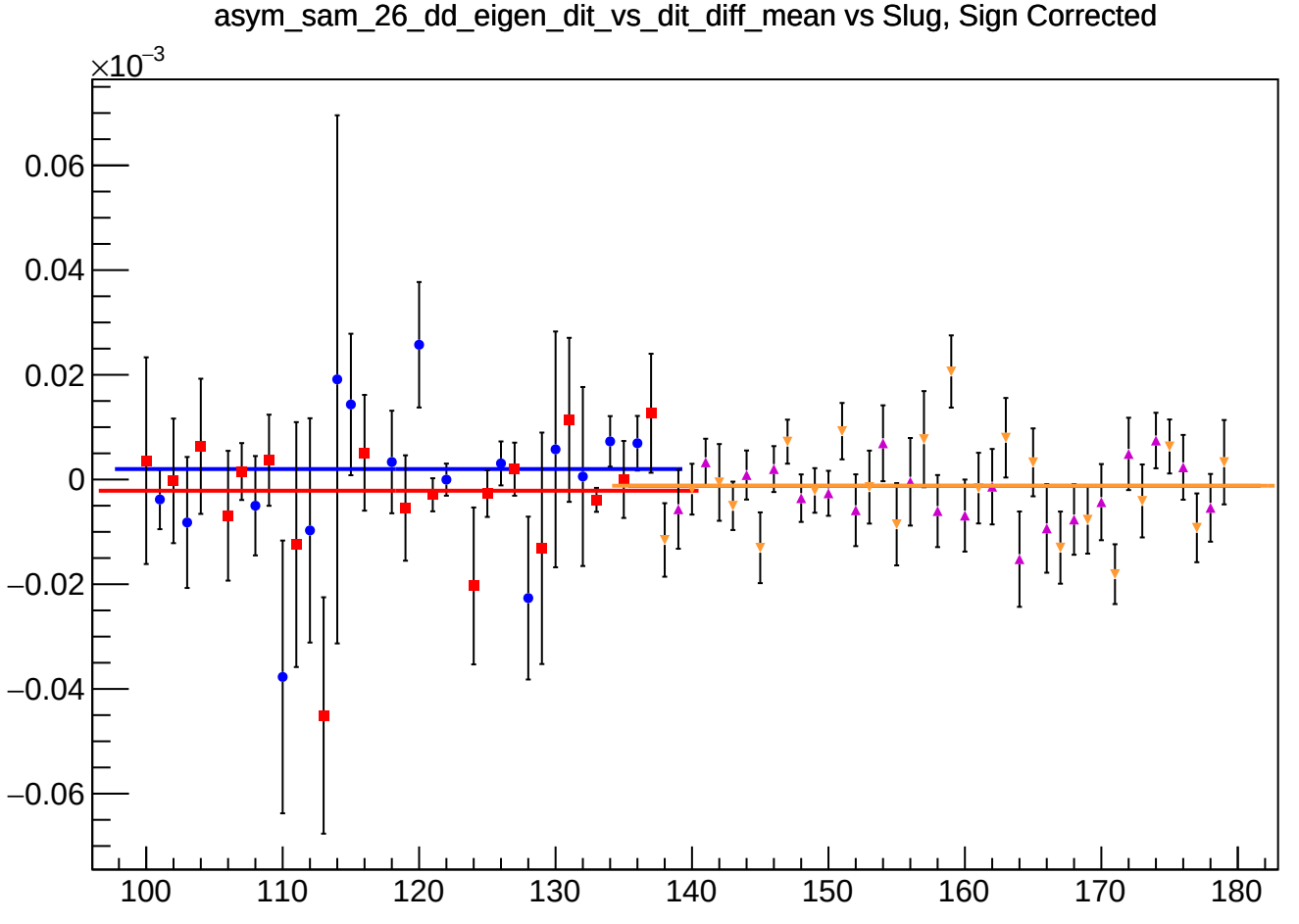
Left: 77.681+/-0.010 χ^2/NDF: 879213.7/41

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.176+/-0.012 χ^2/NDF:1602448.5/35

Out: 79.367+/-0.011 χ^2/NDF:1490572.0/40

All: 79.755+/-0.008 χ^2/NDF: 3095412.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/19

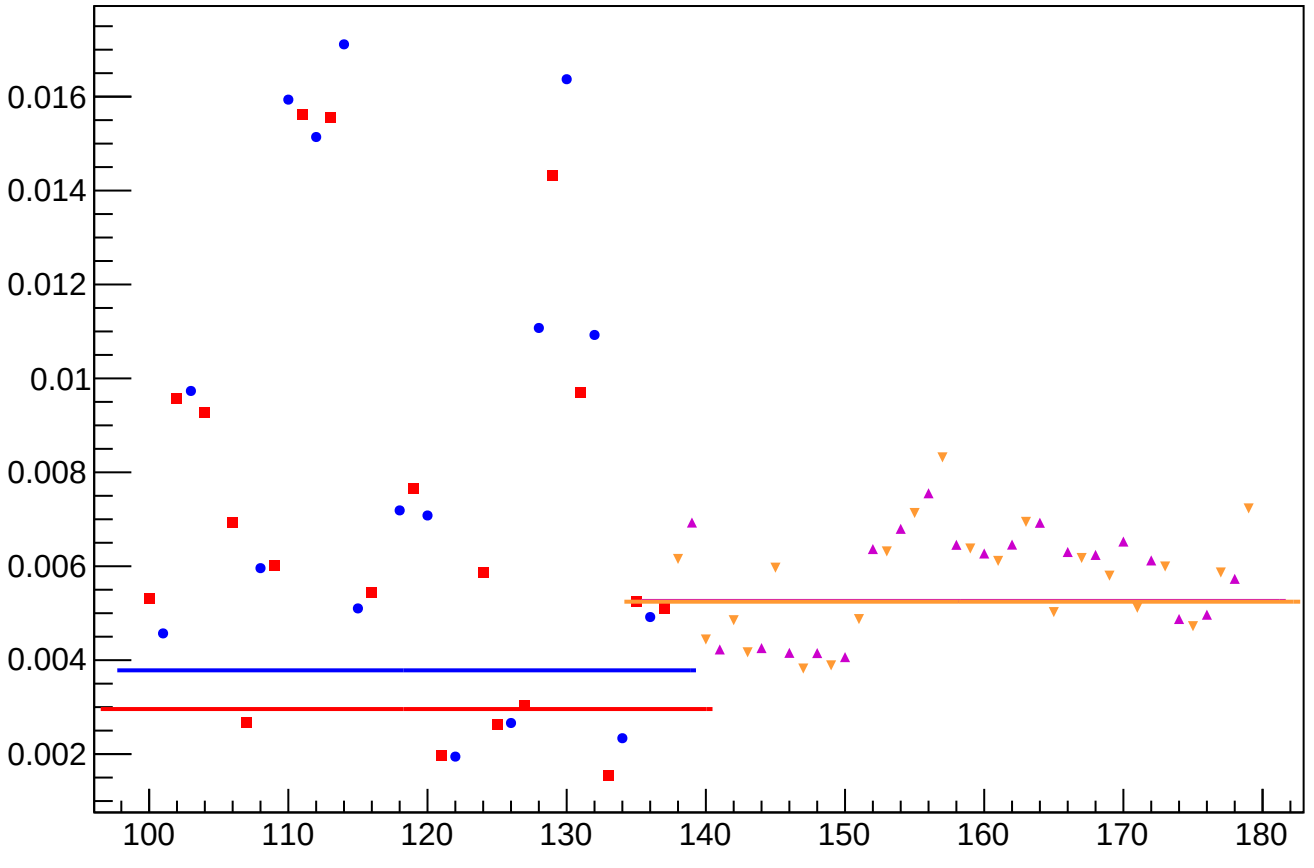
Left: -0.000+/-0.000 χ^2/NDF: 58.3/41

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:31.0/35

Out: -0.000+/-0.000 χ^2/NDF:56.1/40

All: -0.000+/-0.000 χ^2/NDF: 88.3/76



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1479781.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1404405.9/19

Left: 0.005+/-0.000 χ^2/NDF: 2884337.6/41

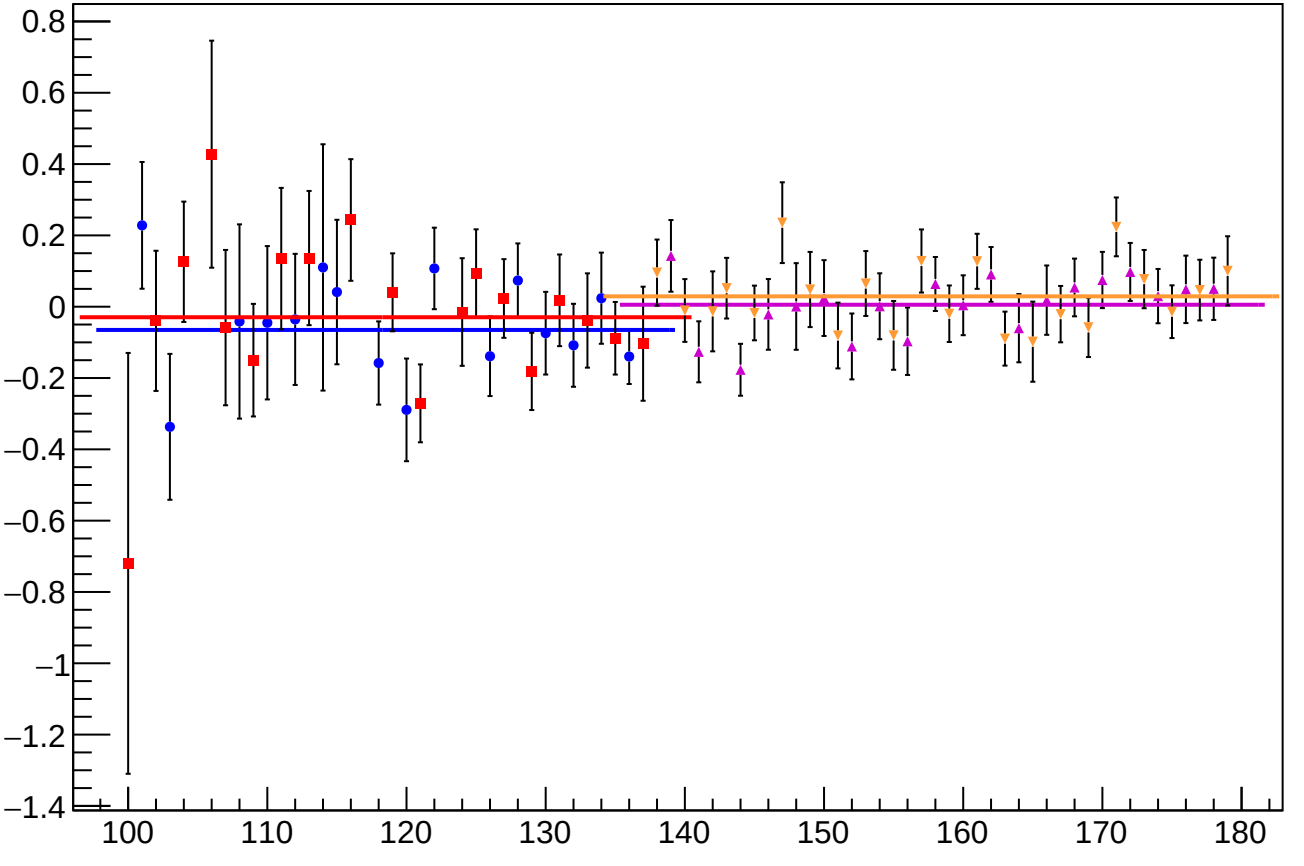
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6999858.3/35

Out: 0.004+/-0.000 χ^2/NDF:9907843.2/40

All: 0.004+/-0.000 χ^2/NDF: 17169777.3/76

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.018+/-0.013 χ^2/NDF: 42.3/41

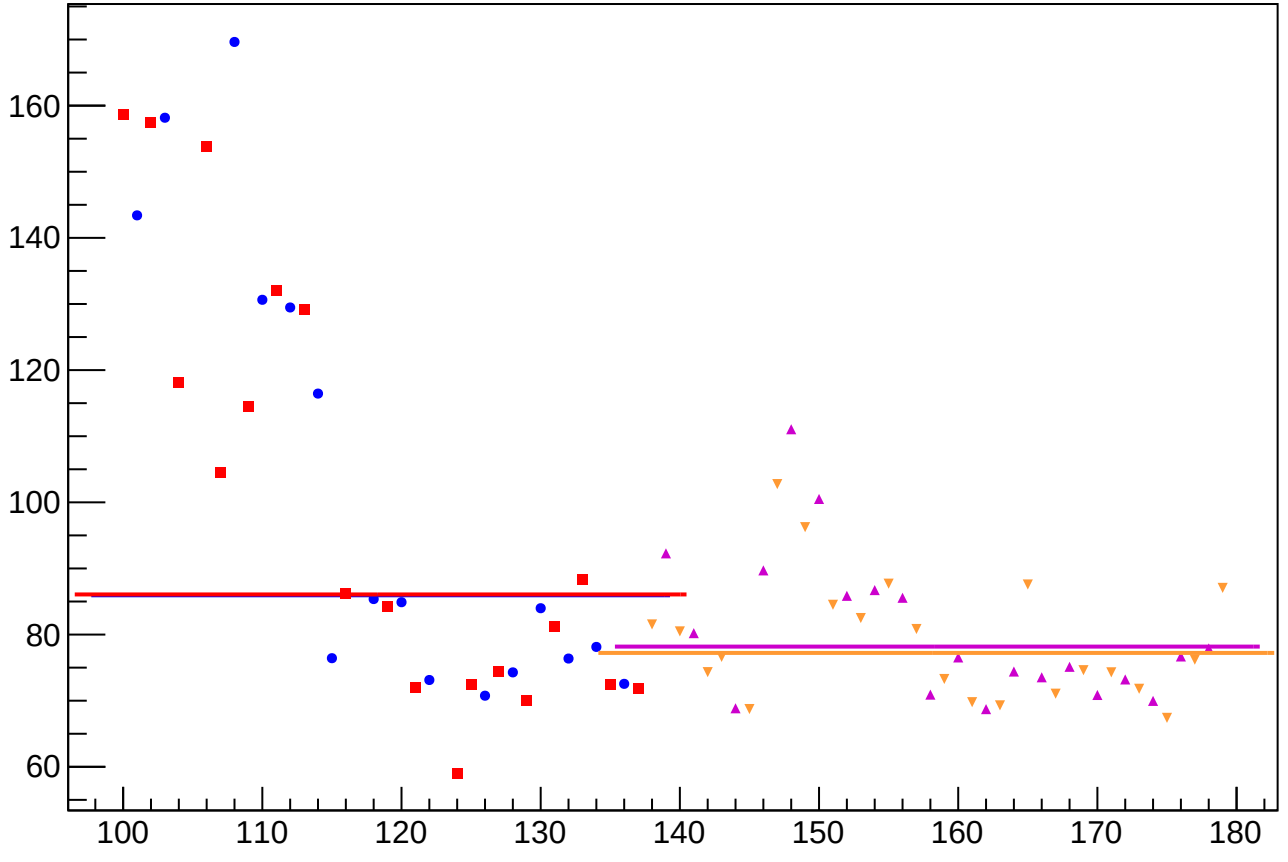
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.002+/-0.012 χ^2/NDF: 80.9/76

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.226+/-0.013 χ^2/NDF:390044.6/21

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.182+/-0.014 χ^2/NDF:486741.0/19

Left: 77.680+/-0.010 χ^2/NDF: 879289.6/41

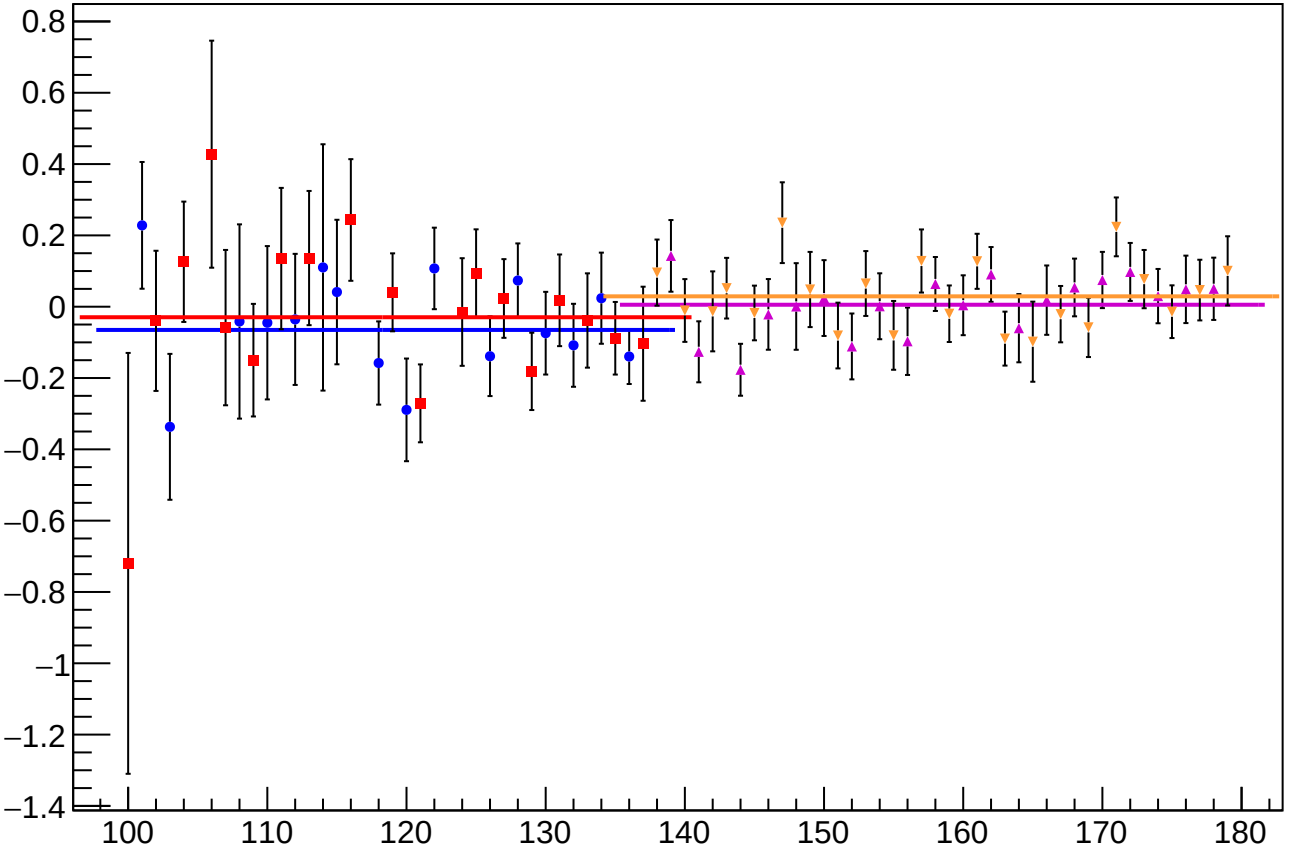
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.175+/-0.012 χ^2/NDF:1602434.4/35

Out: 79.366+/-0.011 χ^2/NDF:1490566.7/40

All: 79.754+/-0.008 χ^2/NDF: 3095391.6/76

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.029+/-0.019 χ^2/NDF:22.9/21

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.018+/-0.013 χ^2/NDF: 42.3/41

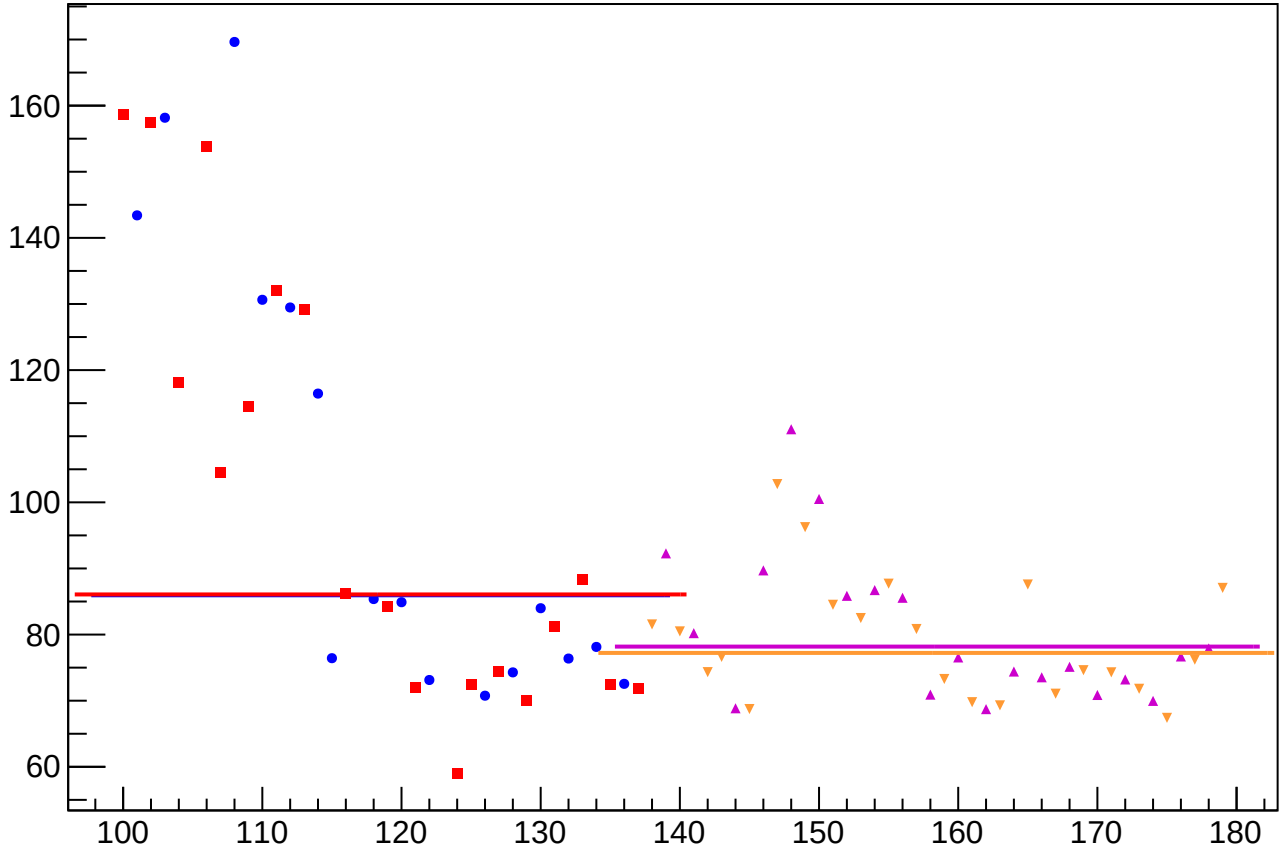
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.015+/-0.016 χ^2/NDF:43.3/40

All: 0.002+/-0.012 χ^2/NDF: 80.9/76

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.226+/-0.013 χ^2/NDF:390044.6/21

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.182+/-0.014 χ^2/NDF:486741.0/19

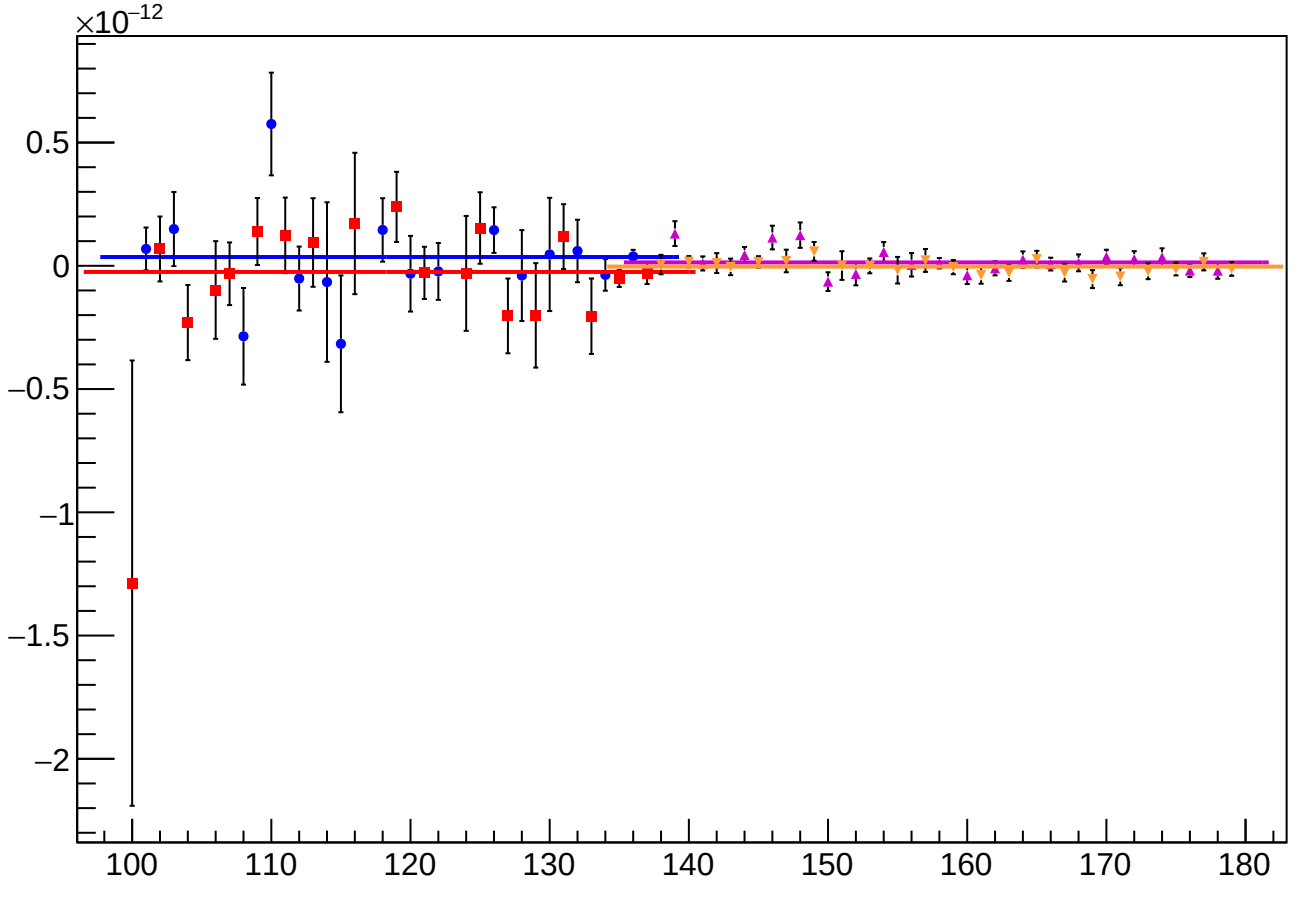
Left: 77.680+/-0.010 χ^2/NDF: 879289.6/41

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.175+/-0.012 χ^2/NDF:1602434.4/35

Out: 79.366+/-0.011 χ^2/NDF:1490566.7/40

All: 79.754+/-0.008 χ^2/NDF: 3095391.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:28.5/19

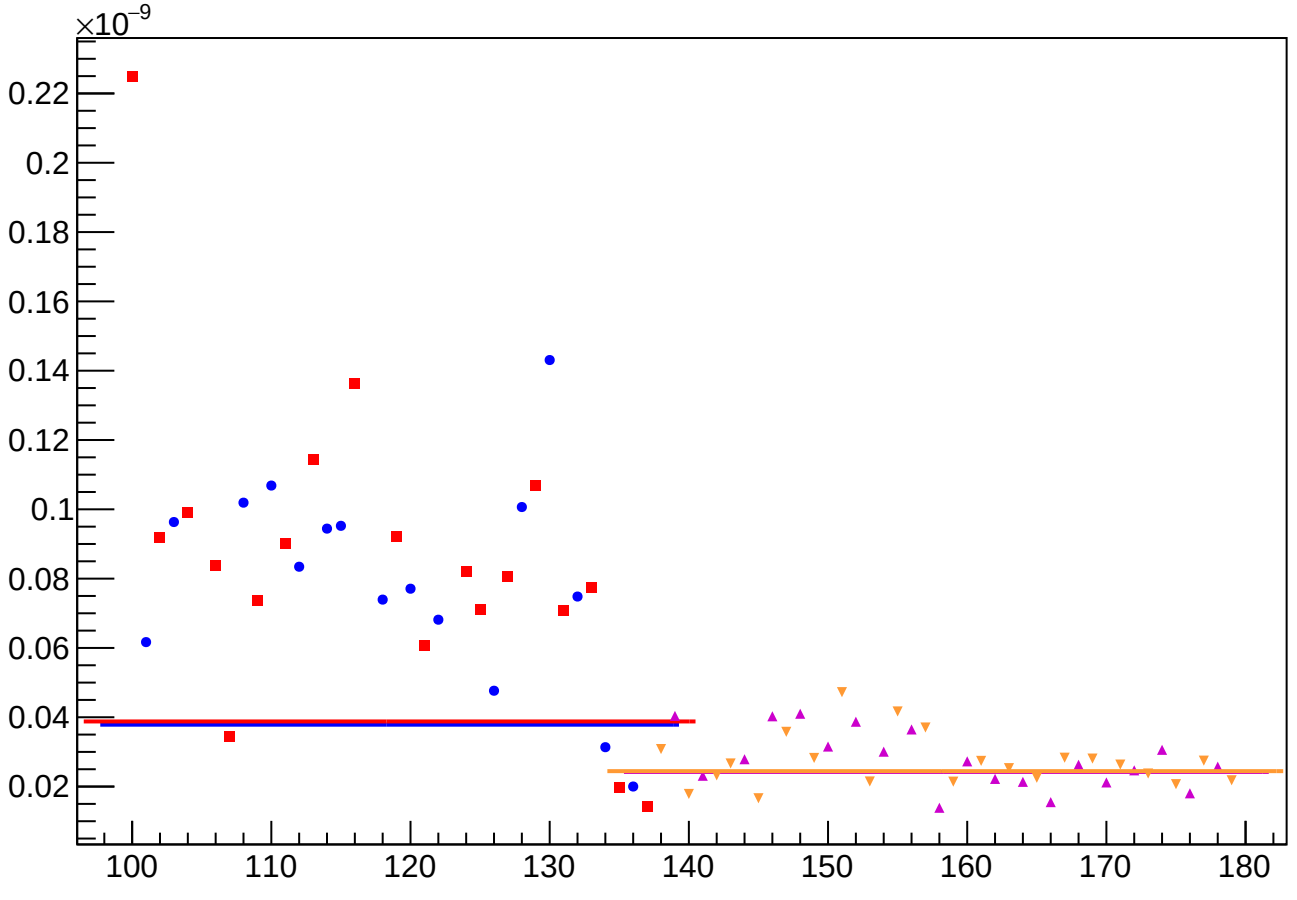
Left: 0.000+/-0.000 χ^2/NDF: 43.2/41

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:45.9/35

Out: -0.000+/-0.000 χ^2/NDF:30.7/40

All: 0.000+/-0.000 χ^2/NDF: 81.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1441200.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2073336.0/19

Left: 0.000+/-0.000 χ^2/NDF: 3515677.3/41

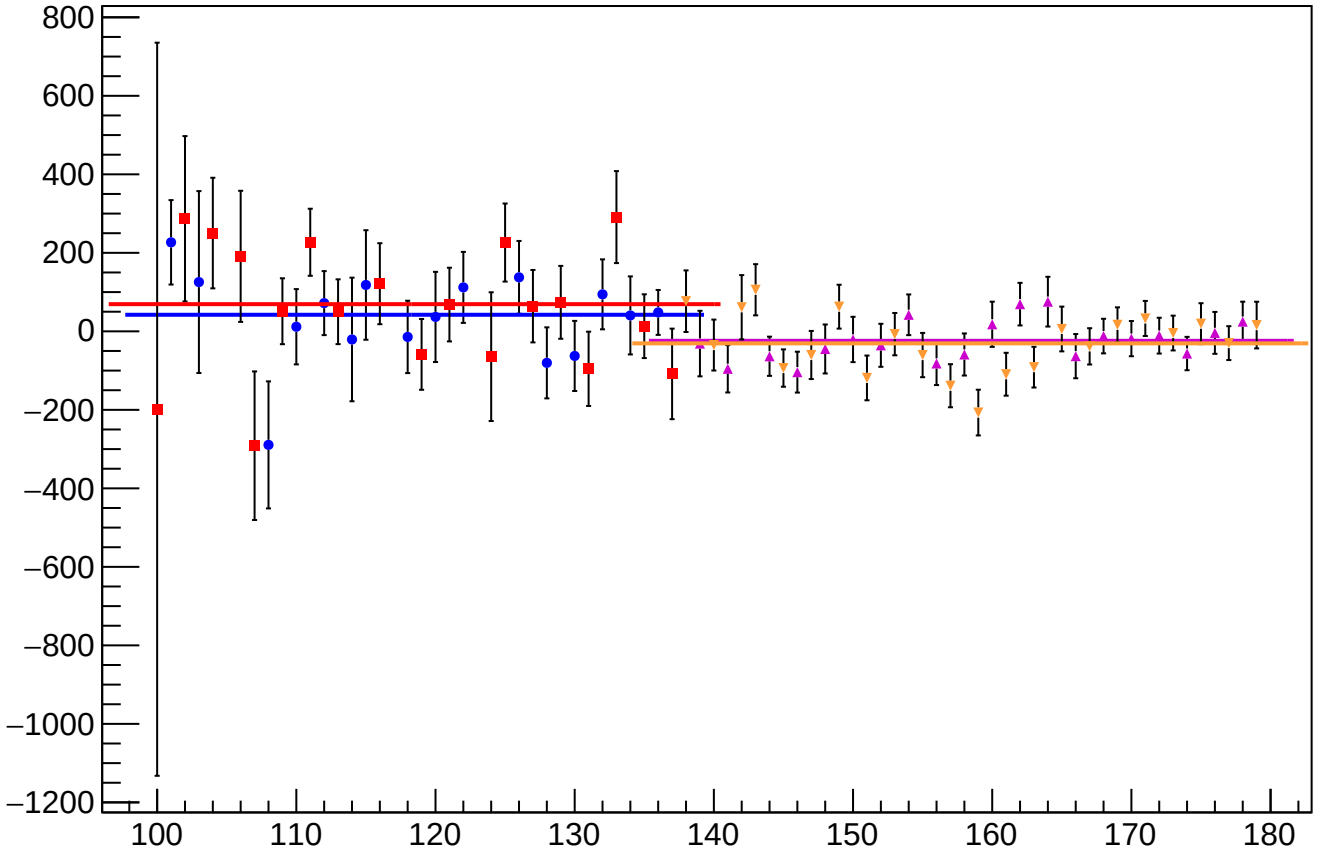
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6306917.5/35

Out: 0.000+/-0.000 χ^2/NDF:6321808.9/40

All: 0.000+/-0.000 χ^2/NDF: 12628736.4/76

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.627+/-11.478 χ^2/NDF:37.1/21

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -24.132+/-11.852 χ^2/NDF:16.0/19

Left: -27.484+/-8.245 χ^2/NDF: 53.2/41

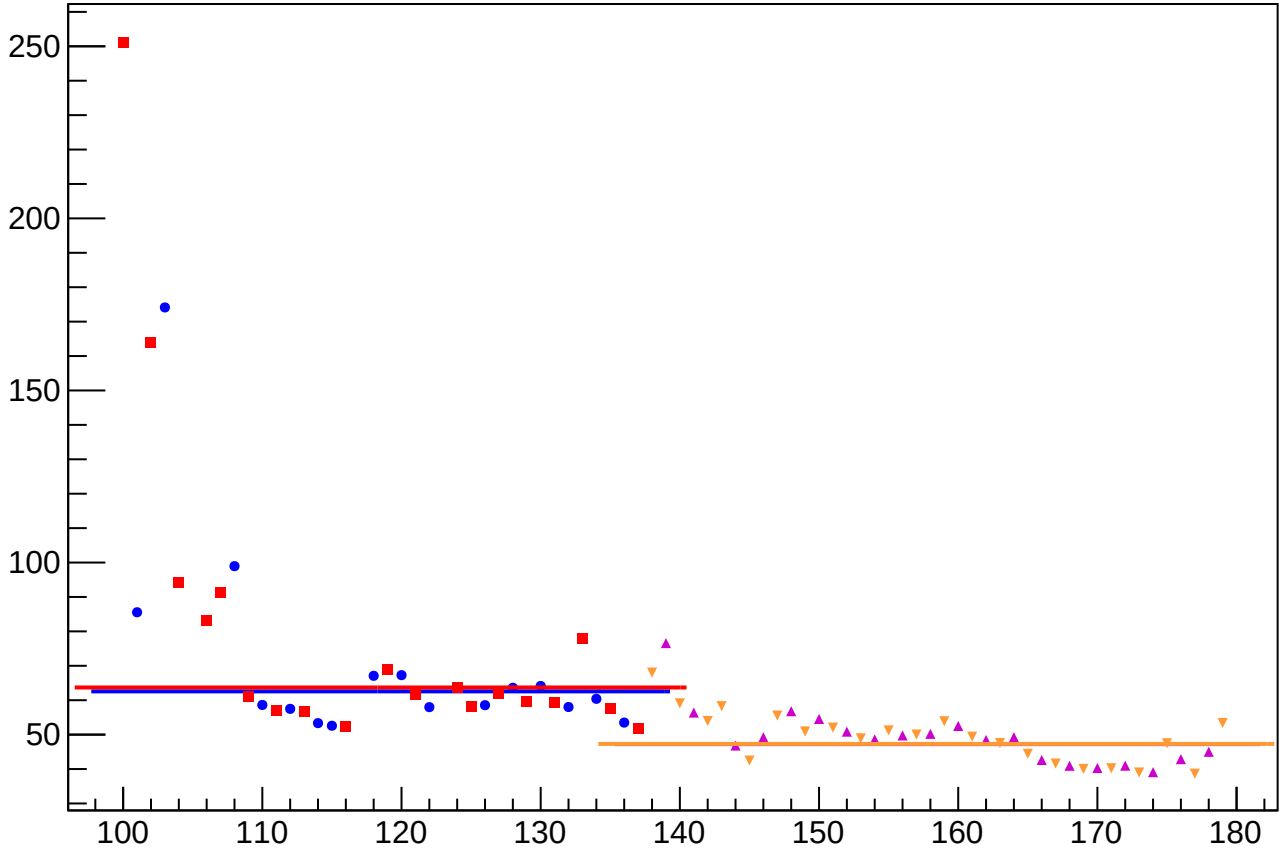
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -11.302+/-10.645 χ^2/NDF:35.6/35

Out: -12.552+/-10.388 χ^2/NDF:76.2/40

All: -11.942+/-7.434 χ^2/NDF: 111.8/76

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

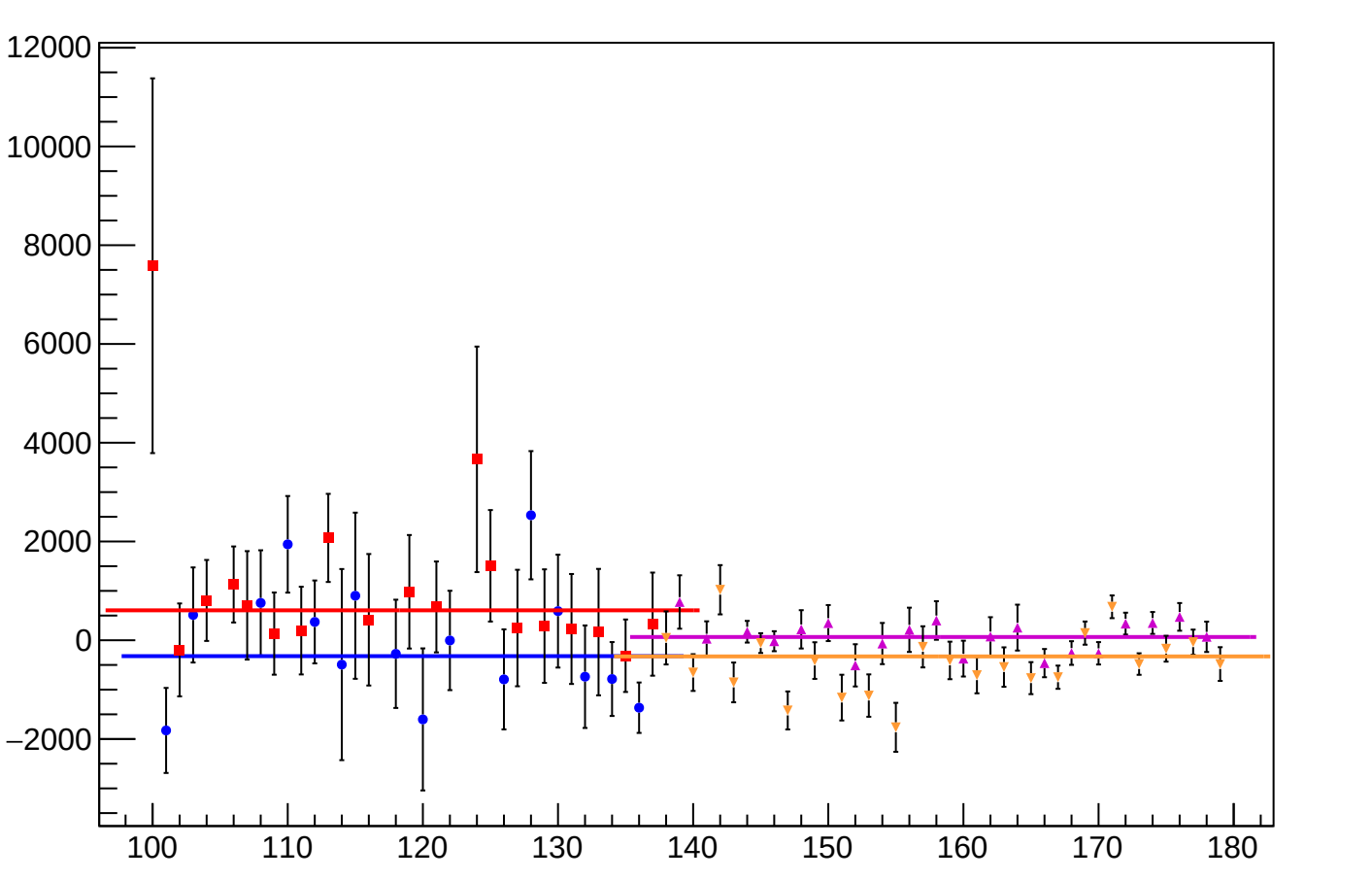
Left: 47.272+/-0.006 χ^2/NDF: 1356297.5/41

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.205+/-0.008 χ^2/NDF:2051481.9/35

Out: 50.268+/-0.007 χ^2/NDF:2282934.1/40

All: 50.237+/-0.005 χ^2/NDF: 4334452.0/76



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -327.319+/-66.736 χ^2/NDF:67.3/21

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 66.105+/-66.602 χ^2/NDF:19.9/19

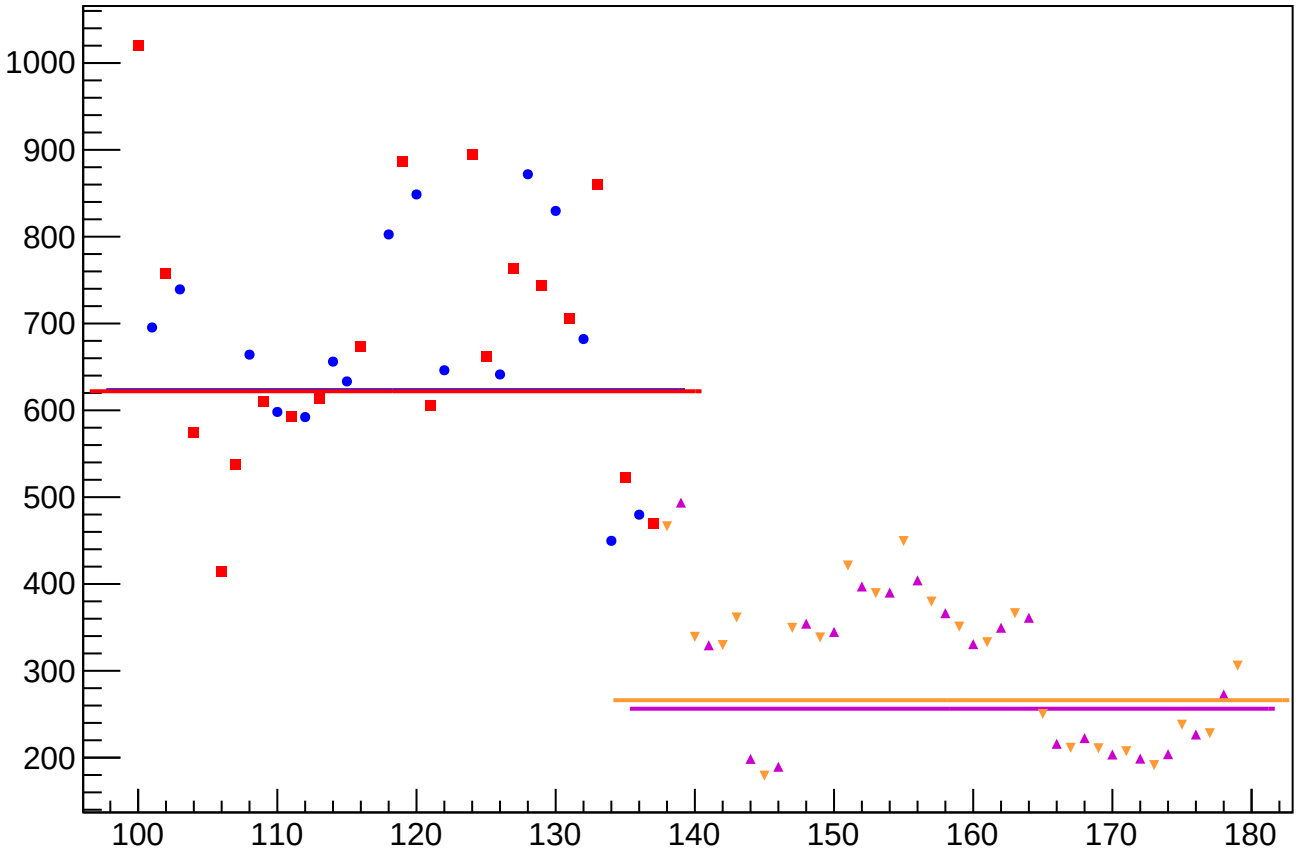
Left: -130.210+/-47.142 χ^2/NDF: 104.7/41

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 38.050+/-64.147 χ^2/NDF:45.1/35

Out: -256.927+/-64.170 χ^2/NDF:94.6/40

All: -109.386+/-45.367 χ^2/NDF: 150.2/76



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 266.157+/-0.047 χ^2/NDF:2832995.8/21

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 256.337+/-0.047 χ^2/NDF:2633715.1/19

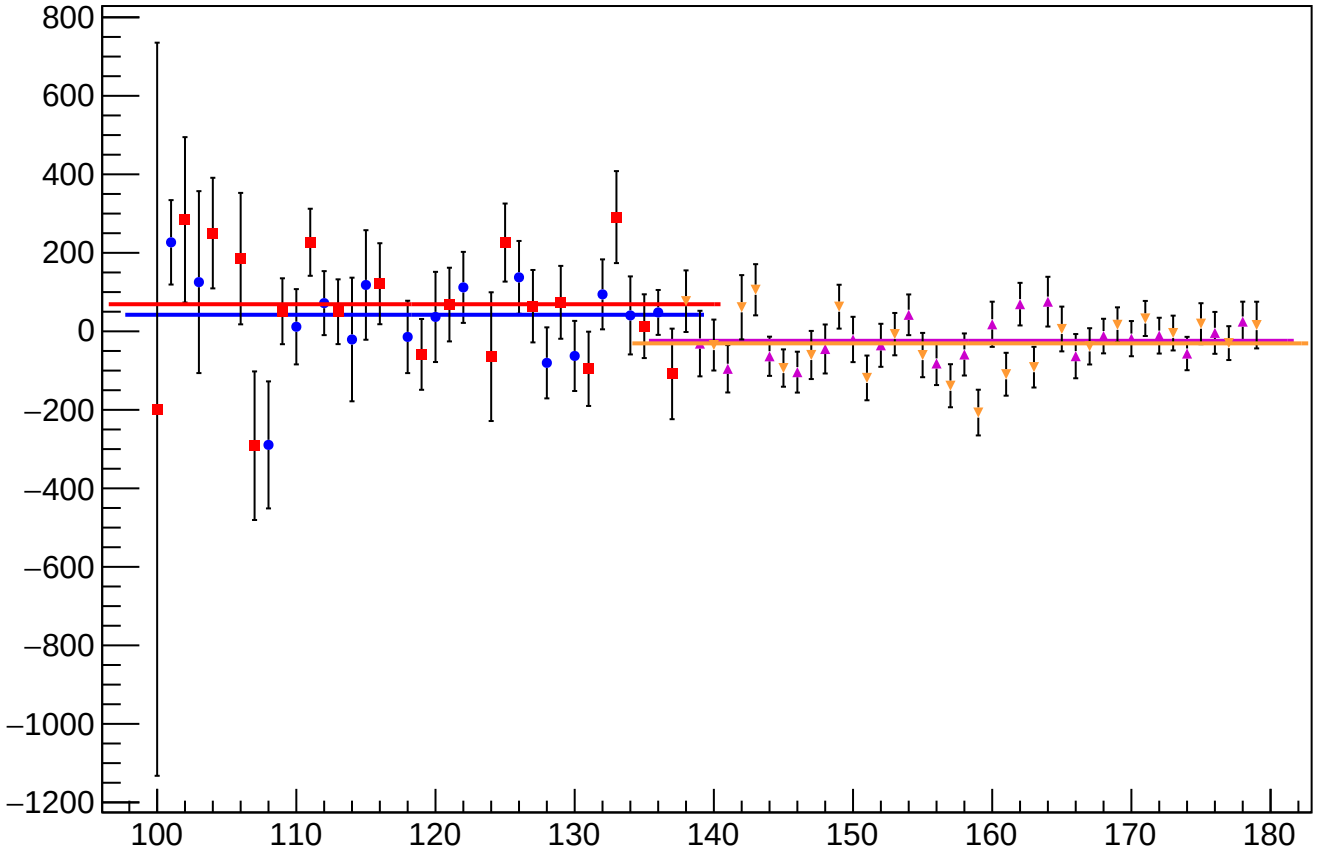
Left: 261.237+/-0.033 χ^2/NDF: 5488409.3/41

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 282.878+/-0.045 χ^2/NDF:7589248.1/35

Out: 292.997+/-0.045 χ^2/NDF:7704207.7/40

All: 287.936+/-0.032 χ^2/NDF: 15318332.5/76



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -24.130+/-11.852 χ^2/NDF:16.0/19

Left: -27.481+/-8.245 χ^2/NDF: 53.2/41

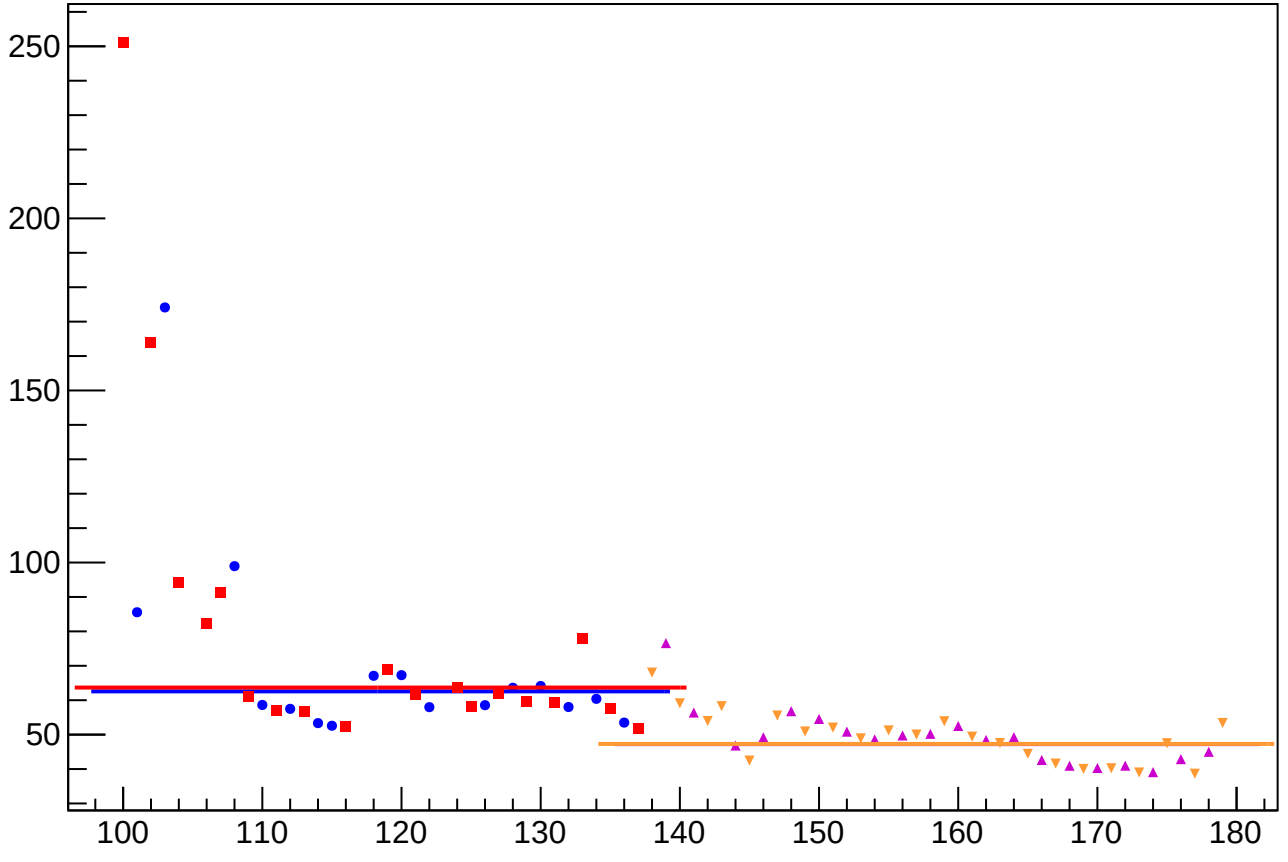
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -11.301+/-10.645 χ^2/NDF:35.6/35

Out: -12.584+/-10.388 χ^2/NDF:76.0/40

All: -11.959+/-7.434 χ^2/NDF: 111.6/76

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

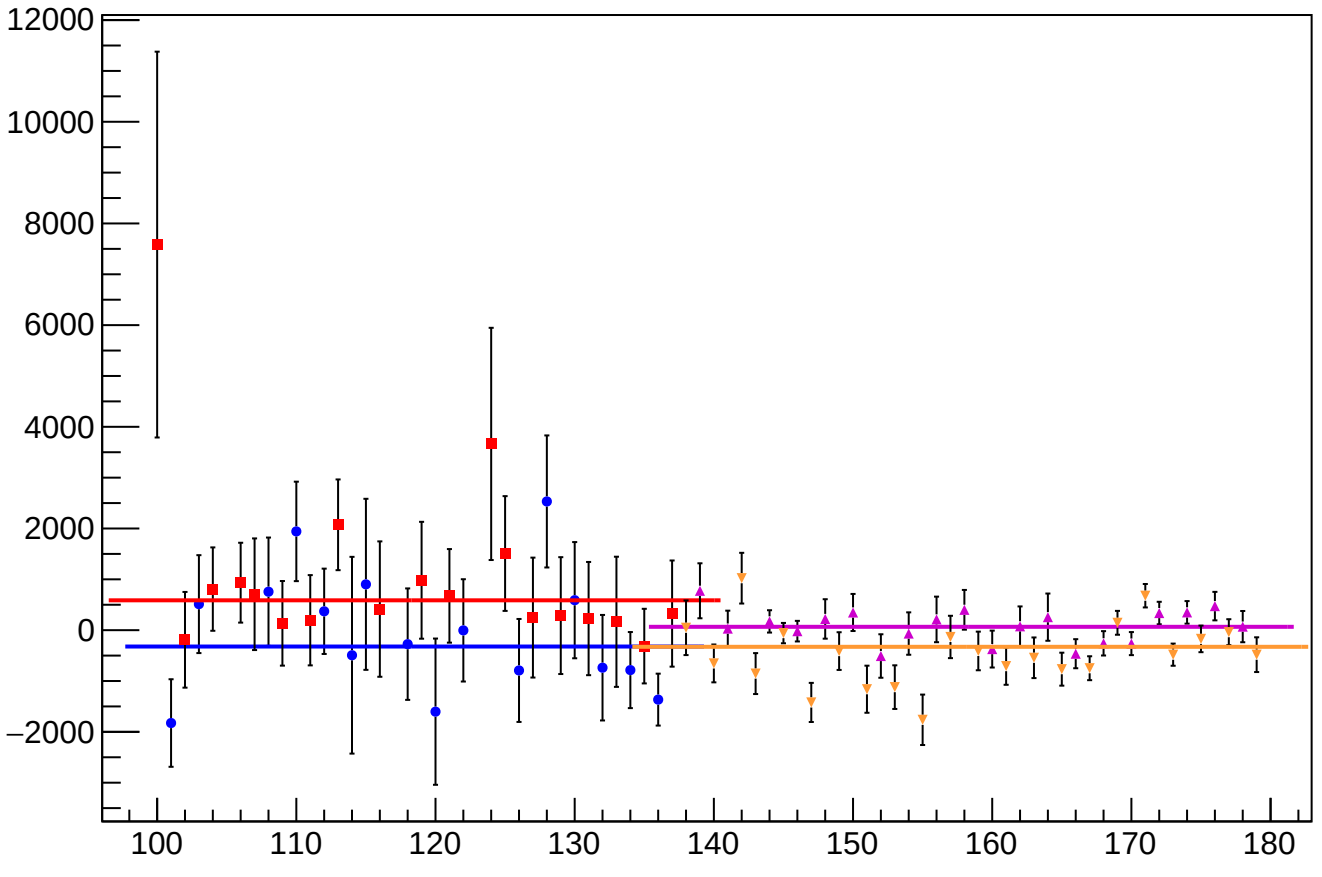
Left: 47.272+/-0.006 χ^2/NDF: 1356297.5/41

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.205+/-0.008 χ^2/NDF:2051483.7/35

Out: 50.263+/-0.007 χ^2/NDF:2277939.5/40

All: 50.235+/-0.005 χ^2/NDF: 4329454.0/76



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -327.314+/-66.736 χ^2/NDF:67.3/21

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 66.108+/-66.602 χ^2/NDF:19.9/19

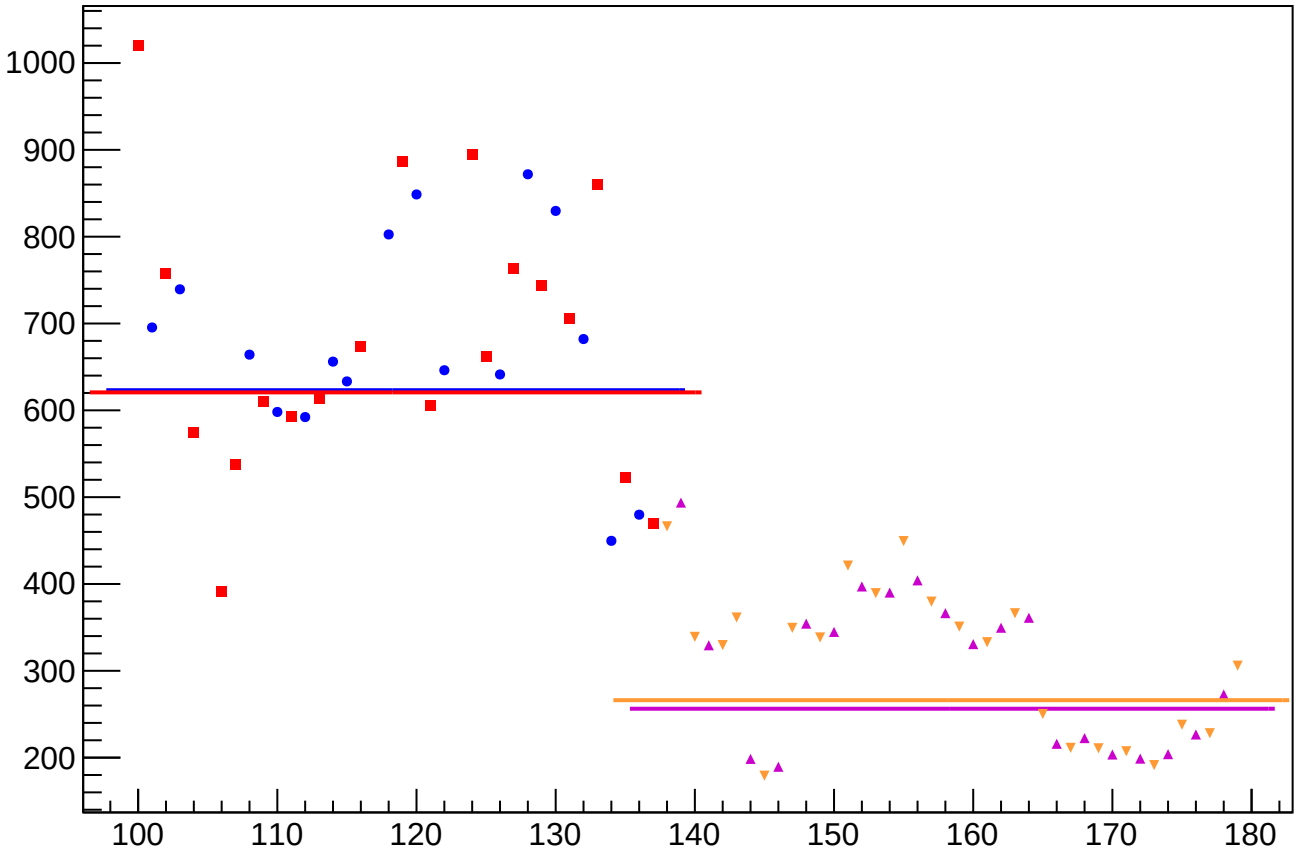
Left: -130.206+/-47.142 χ^2/NDF: 104.7/41

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 38.053+/-64.147 χ^2/NDF:45.1/35

Out: -258.566+/-64.179 χ^2/NDF:93.6/40

All: -110.183+/-45.370 χ^2/NDF: 149.4/76



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

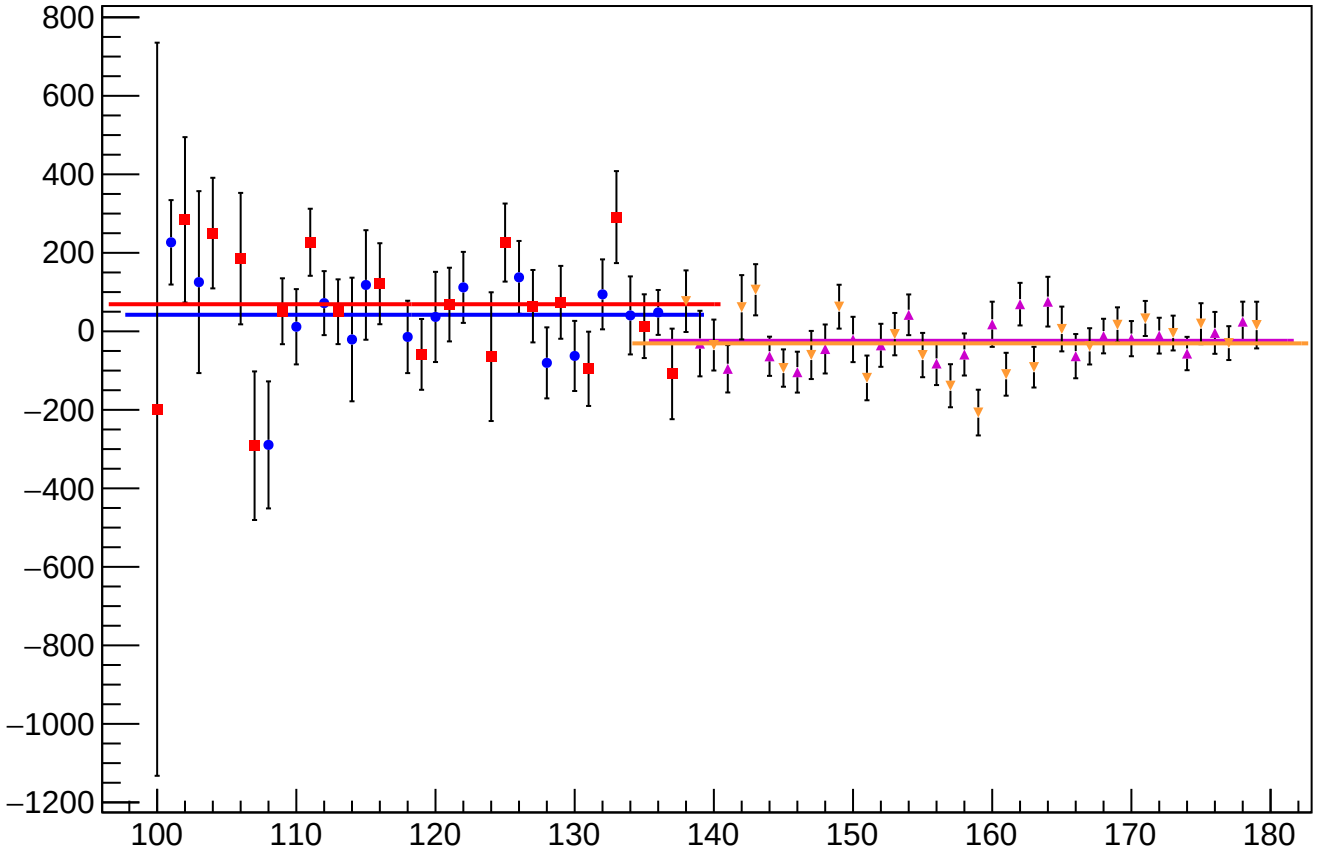
Left: 261.237+/-0.033 χ^2/NDF: 5488409.3/41

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 282.878+/-0.045 χ^2/NDF:7589291.8/35

Out: 292.807+/-0.045 χ^2/NDF:7686144.4/40

All: 287.840+/-0.032 χ^2/NDF: 15299381.4/76



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -30.624+/-11.478 χ^2/NDF:37.1/21

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -24.130+/-11.852 χ^2/NDF:16.0/19

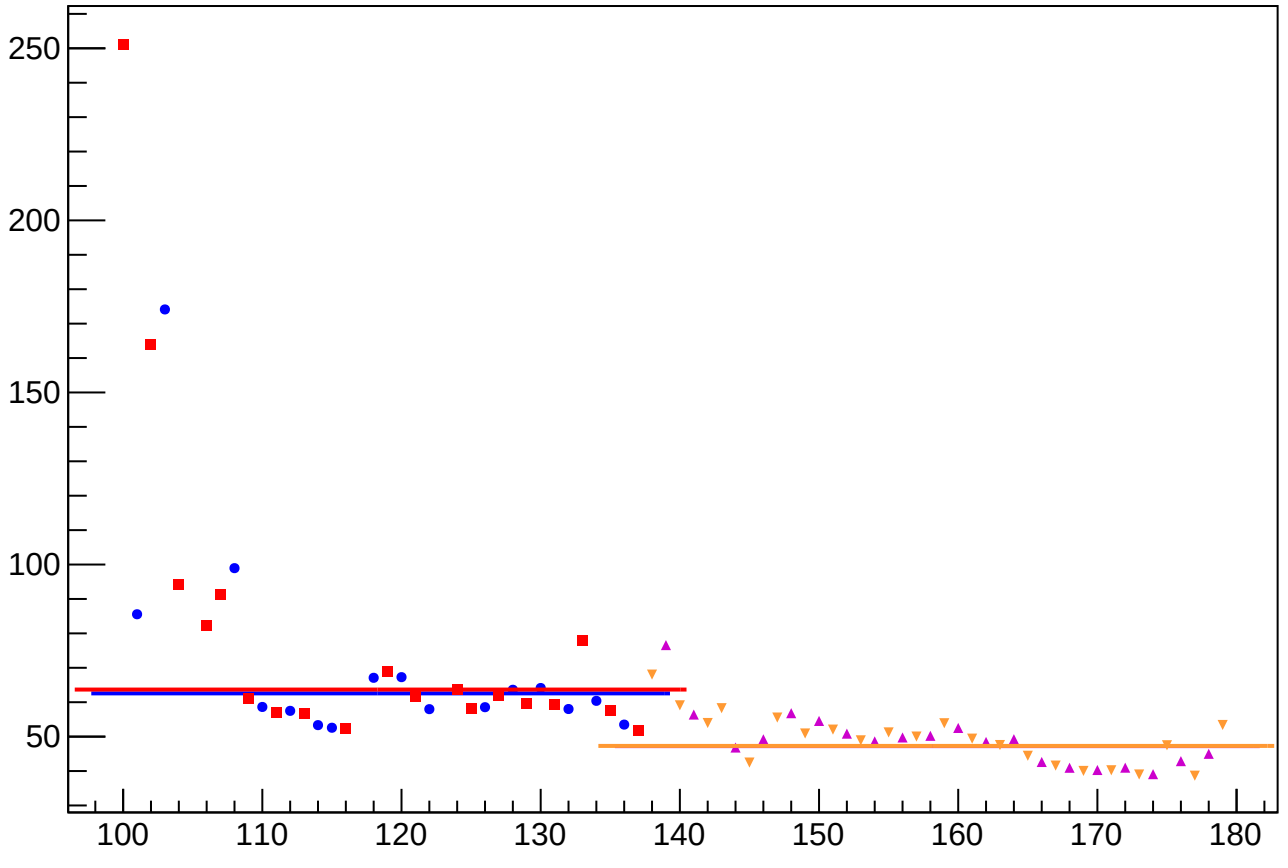
Left: -27.481+/-8.245 χ^2/NDF: 53.2/41

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -11.301+/-10.645 χ^2/NDF:35.6/35

Out: -12.584+/-10.388 χ^2/NDF:76.0/40

All: -11.959+/-7.434 χ^2/NDF: 111.6/76



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.300+/-0.008 χ^2/NDF:709899.1/21

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.242+/-0.008 χ^2/NDF:646373.5/19

Left: 47.272+/-0.006 χ^2/NDF: 1356297.5/41

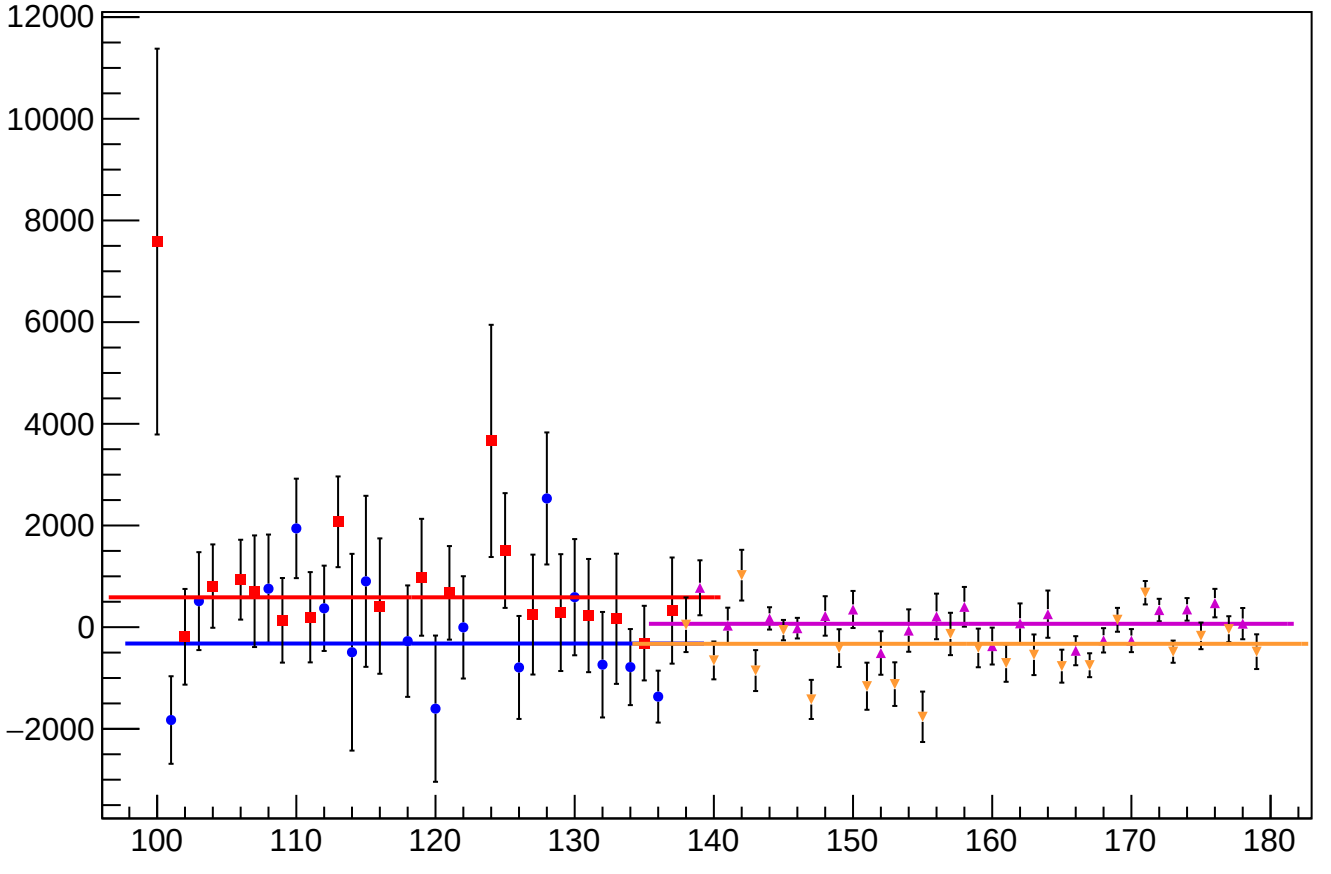
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.205+/-0.008 χ^2/NDF:2051483.7/35

Out: 50.263+/-0.007 χ^2/NDF:2277939.5/40

All: 50.235+/-0.005 χ^2/NDF: 4329454.0/76

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -327.314+/-66.736 χ^2/NDF:67.3/21

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 66.108+/-66.602 χ^2/NDF:19.9/19

Left: -130.206+/-47.142 χ^2/NDF: 104.7/41

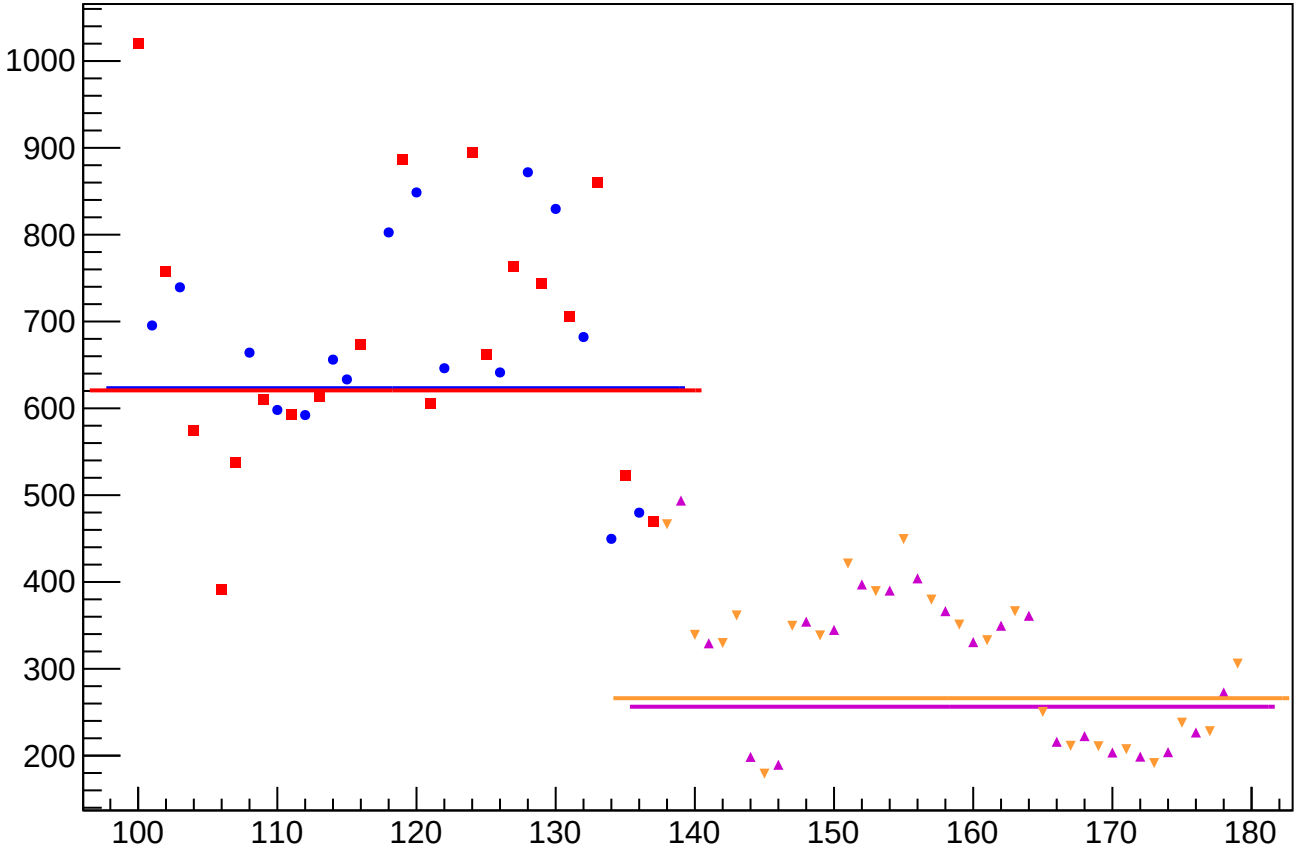
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 38.053+/-64.147 χ^2/NDF:45.1/35

Out: -258.566+/-64.179 χ^2/NDF:93.6/40

All: -110.183+/-45.370 χ^2/NDF: 149.4/76

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 266.157+/-0.047 χ^2/NDF:2833001.8/21

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

Left: 261.237+/-0.033 χ^2/NDF: 5488409.3/41

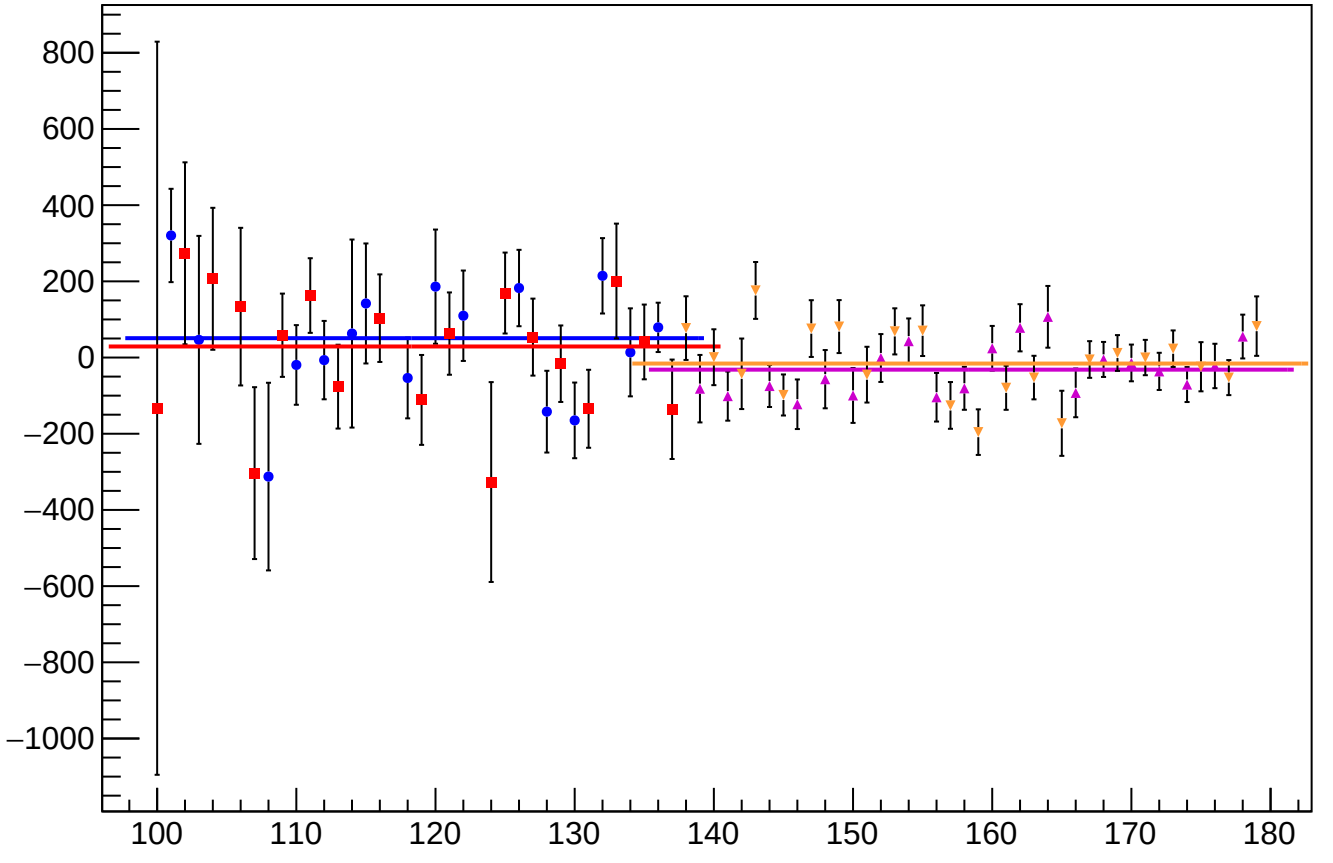
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 282.878+/-0.045 χ^2/NDF:7589291.8/35

Out: 292.807+/-0.045 χ^2/NDF:7686144.4/40

All: 287.840+/-0.032 χ^2/NDF: 15299381.4/76

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.771+/-12.919 χ^2/NDF:38.3/21

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -31.810+/-13.205 χ^2/NDF:20.3/19

Left: -23.615+/-9.235 χ^2/NDF: 59.3/41

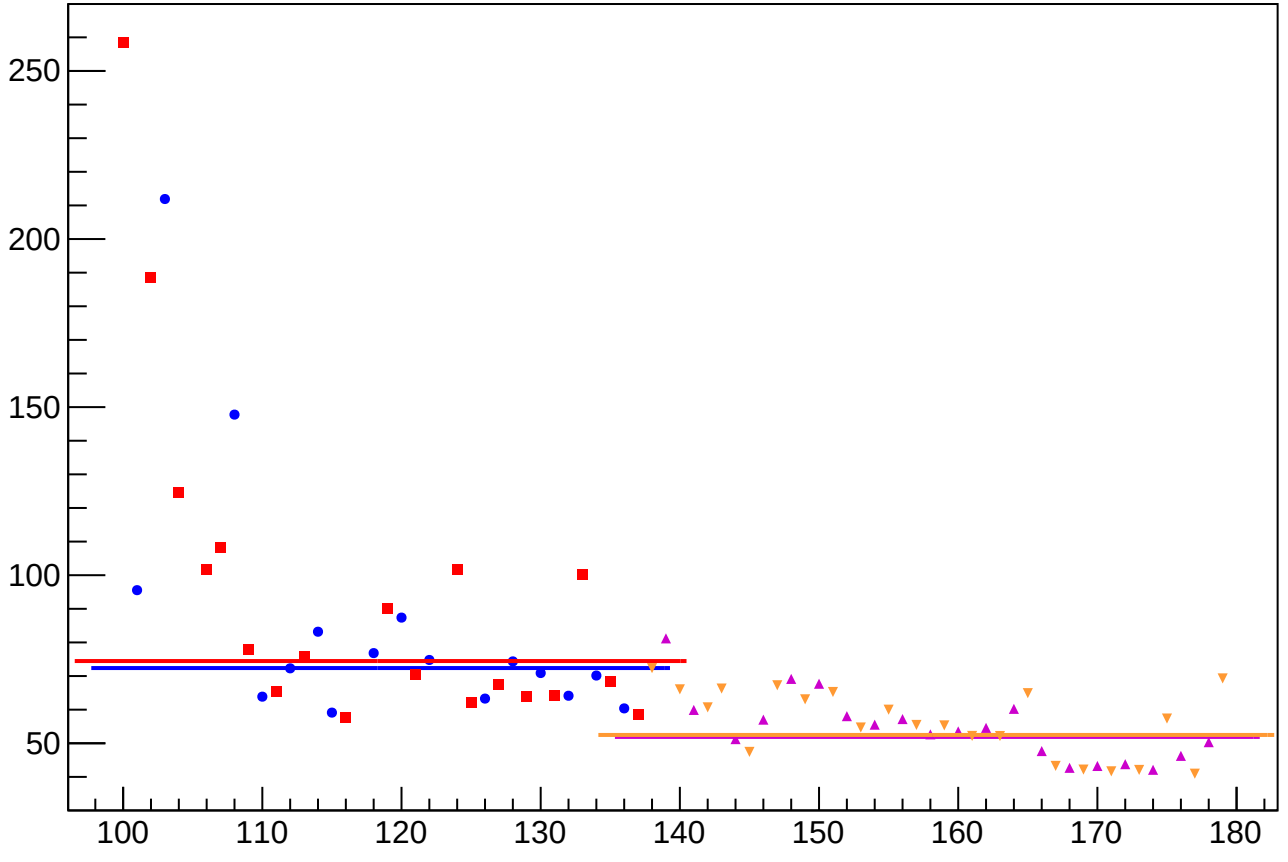
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -17.046+/-11.968 χ^2/NDF:50.2/35

Out: -8.312+/-11.795 χ^2/NDF:58.8/40

All: -12.615+/-8.401 χ^2/NDF: 109.2/76

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.478+/-0.009 χ^2/NDF:1151623.7/21

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.891+/-0.009 χ^2/NDF:847824.3/19

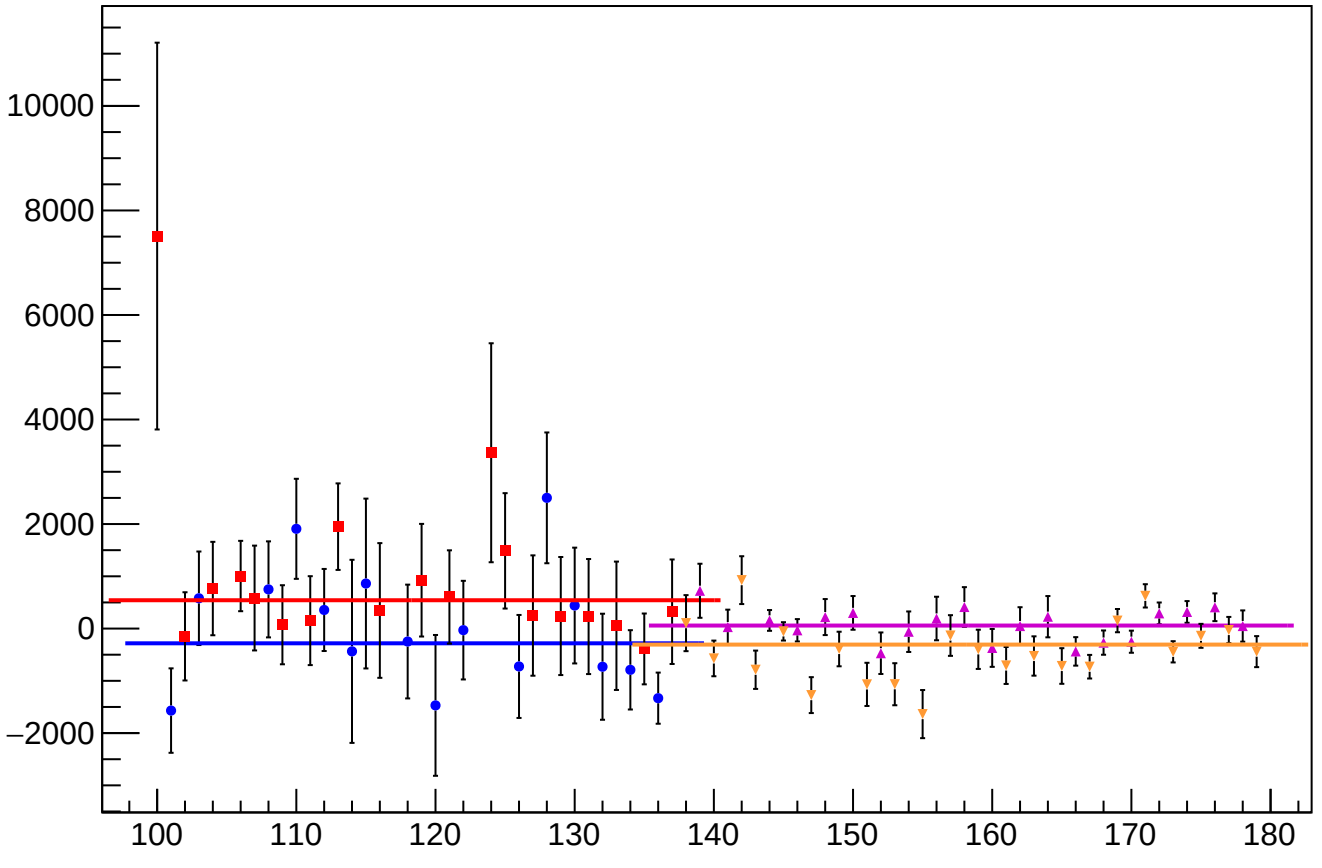
Left: 52.191+/-0.007 χ^2/NDF: 2001466.0/41

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.551+/-0.008 χ^2/NDF:2645872.7/35

Out: 56.138+/-0.008 χ^2/NDF:3168048.3/40

All: 55.849+/-0.006 χ^2/NDF: 5816362.2/76



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.633+/-62.144 χ^2/NDF:66.5/21

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 57.764+/-63.035 χ^2/NDF:19.3/19

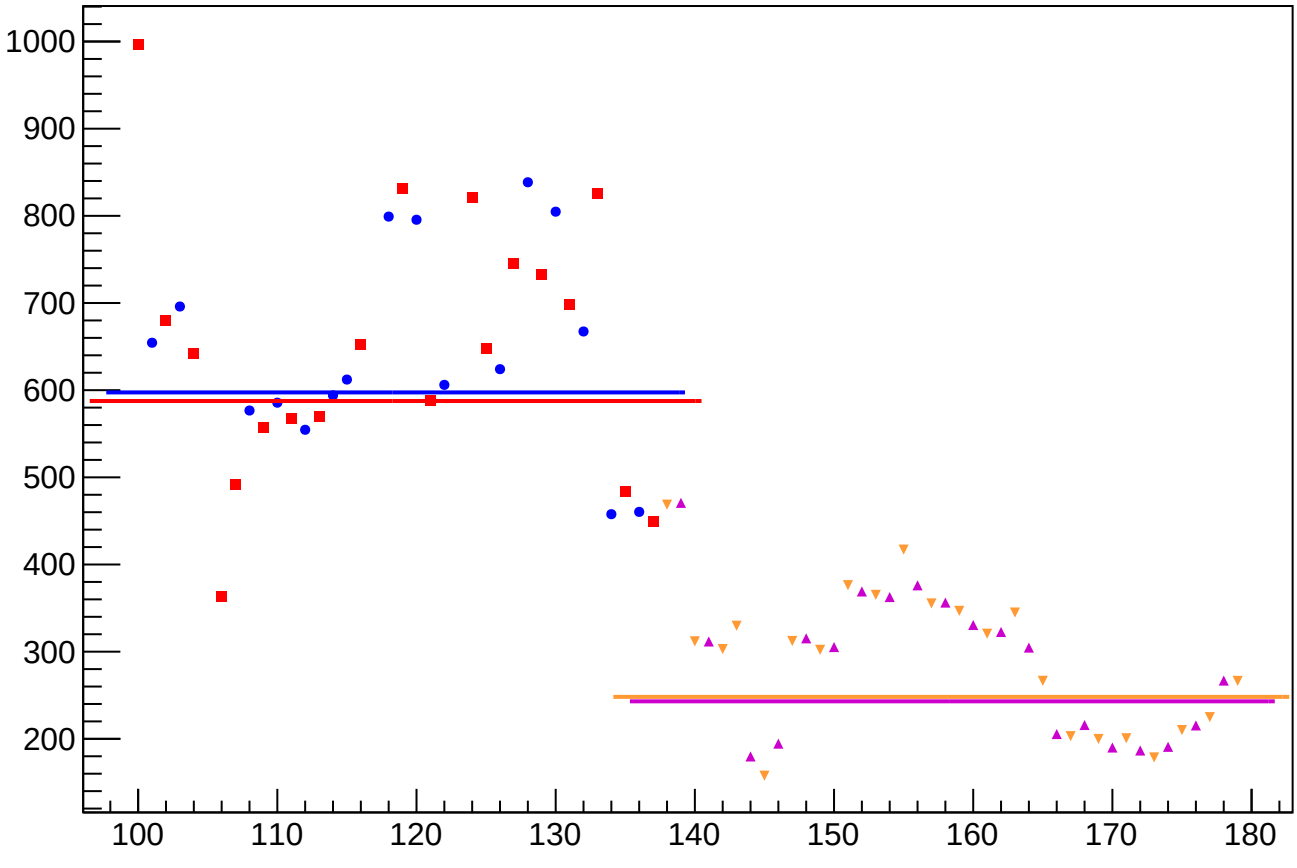
Left: -127.028+/-44.254 χ^2/NDF: 102.8/41

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 33.593+/-60.752 χ^2/NDF:44.2/35

Out: -244.396+/-59.822 χ^2/NDF:93.5/40

All: -107.545+/-42.626 χ^2/NDF: 148.3/76



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 248.156+/-0.044 χ^2/NDF:2912216.1/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 243.030+/-0.045 χ^2/NDF:2478249.7/19

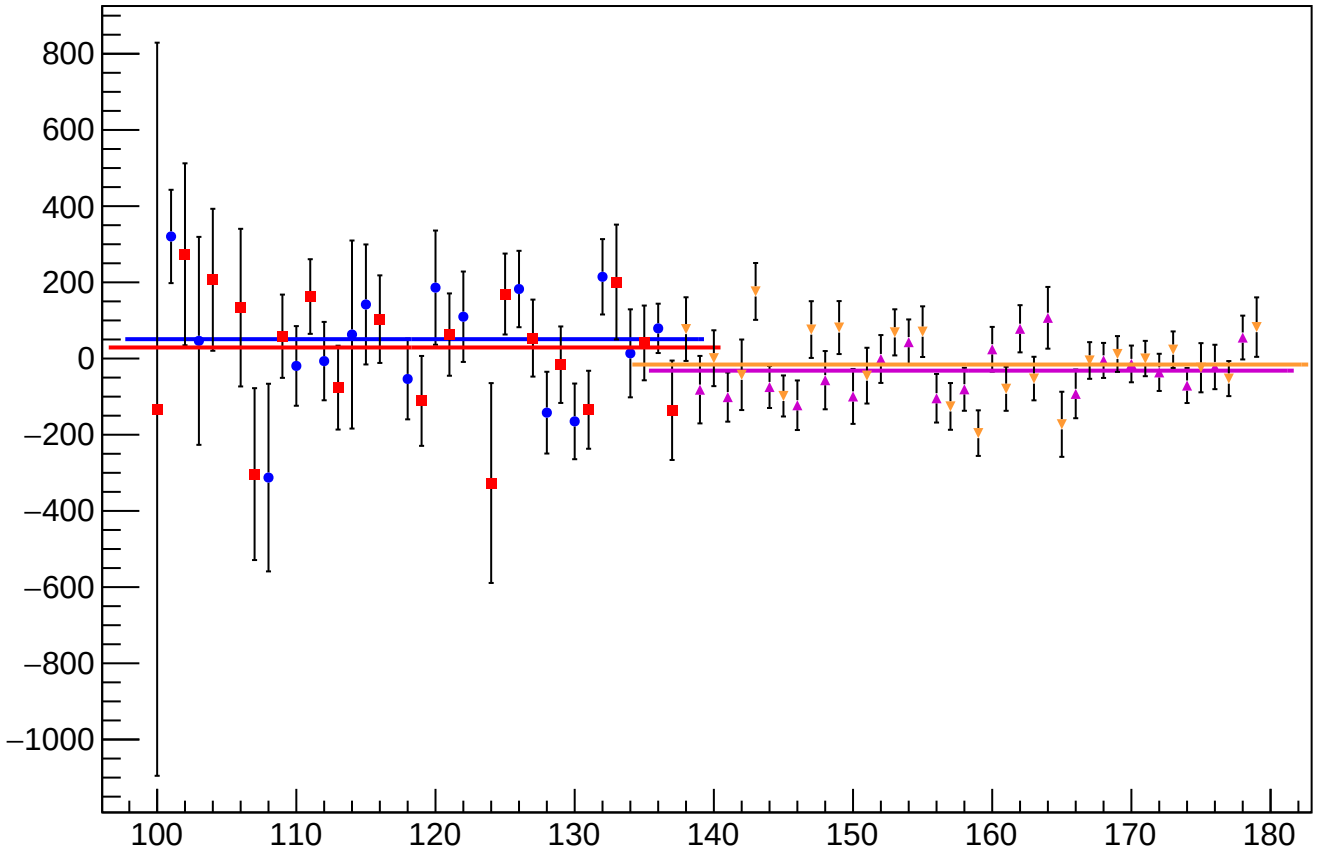
Left: 245.630+/-0.031 χ^2/NDF: 5397170.8/41

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 268.240+/-0.043 χ^2/NDF:7509058.7/35

Out: 273.046+/-0.042 χ^2/NDF:7976397.1/40

All: 270.680+/-0.030 χ^2/NDF: 15491813.0/76



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.770+/-12.919 χ^2/NDF:38.3/21

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -31.810+/-13.205 χ^2/NDF:20.3/19

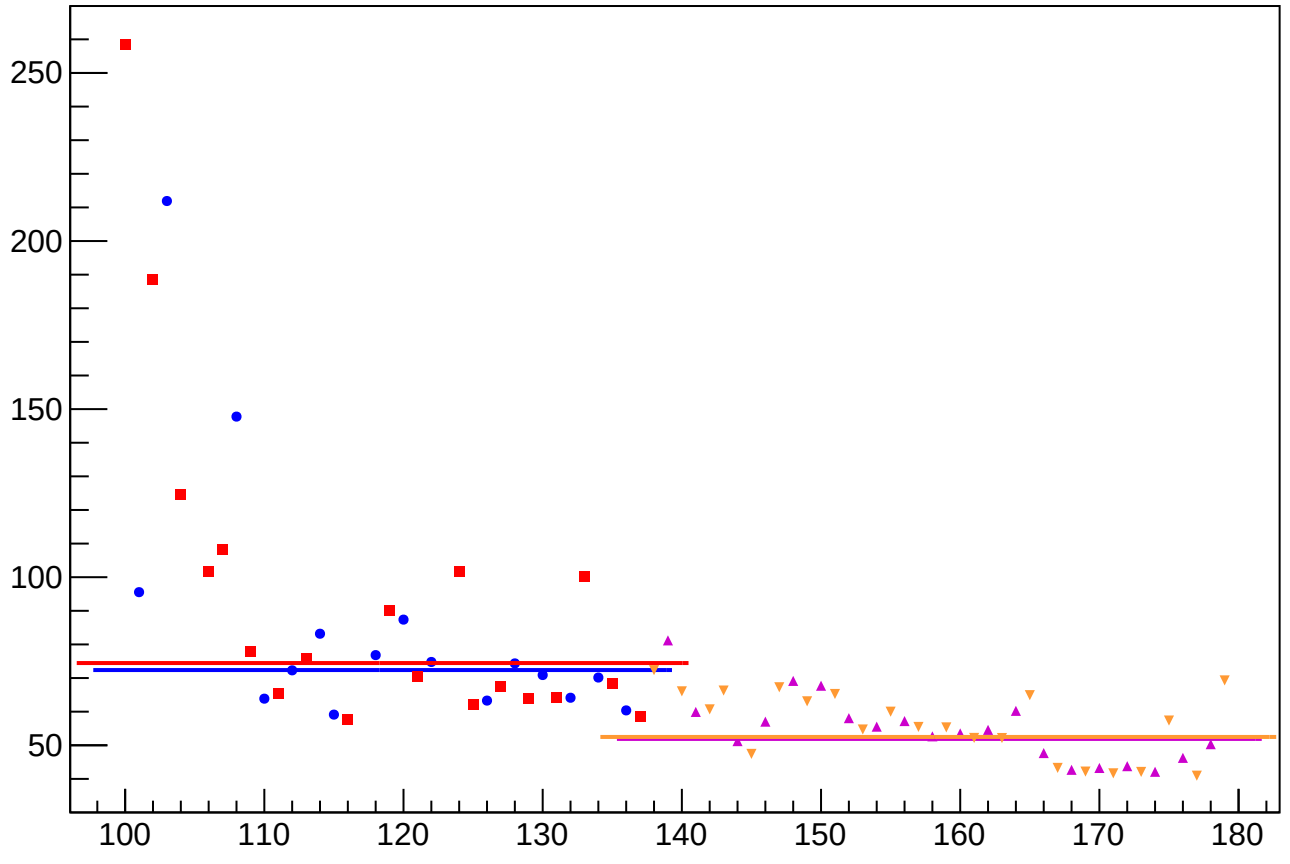
Left: -23.615+/-9.235 χ^2/NDF: 59.3/41

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -17.046+/-11.968 χ^2/NDF:50.2/35

Out: -8.311+/-11.795 χ^2/NDF:58.8/40

All: -12.615+/-8.401 χ^2/NDF: 109.2/76



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.478+/-0.009 χ^2/NDF:1151652.2/21

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.891+/-0.009 χ^2/NDF:847834.4/19

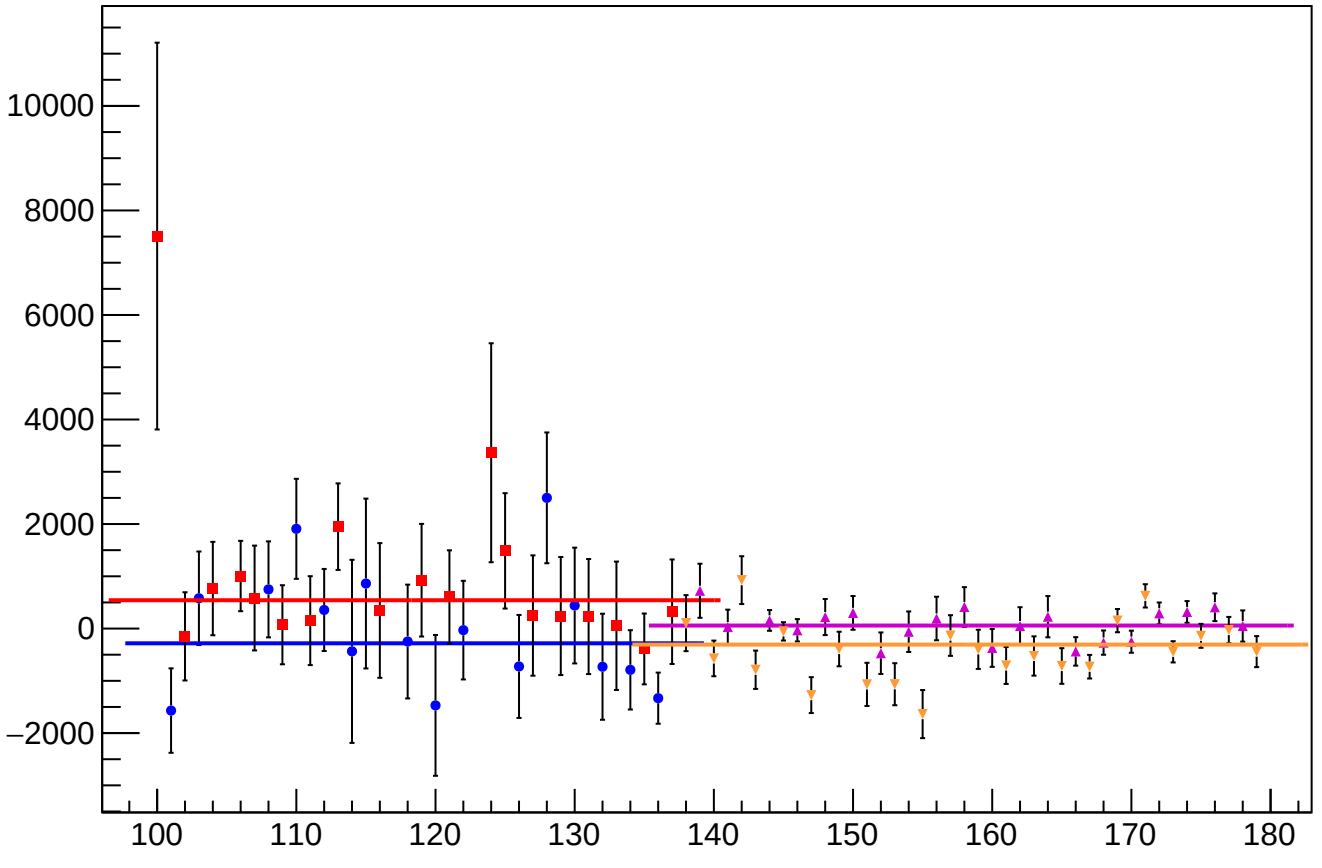
Left: 52.191+/-0.007 χ^2/NDF: 2001504.7/41

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.551+/-0.008 χ^2/NDF:2645871.2/35

Out: 56.138+/-0.008 χ^2/NDF:3168058.5/40

All: 55.849+/-0.006 χ^2/NDF: 5816370.9/76



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -306.634+/-62.144 χ^2/NDF:66.5/21

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 57.763+/-63.035 χ^2/NDF:19.3/19

Left: -127.029+/-44.254 χ^2/NDF: 102.8/41

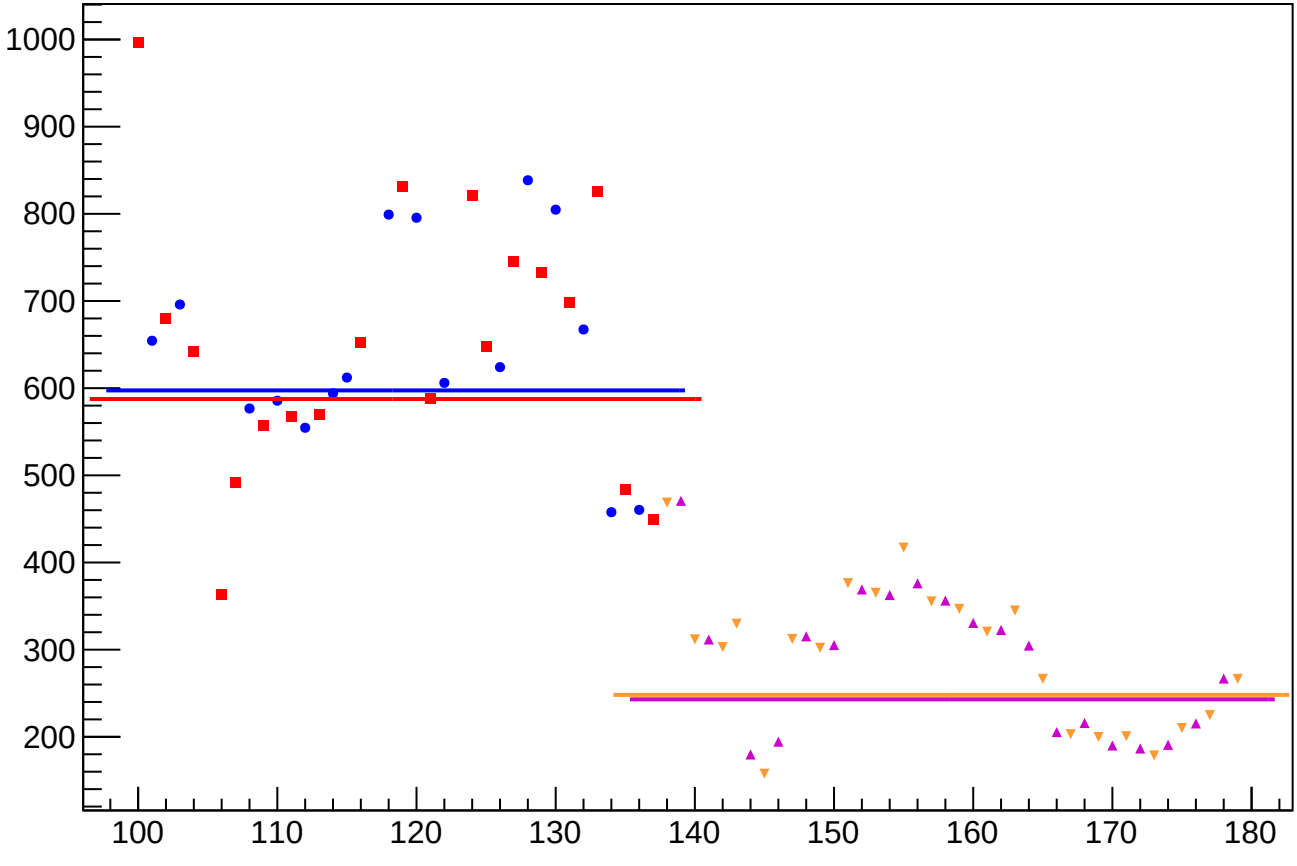
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 33.593+/-60.752 χ^2/NDF:44.2/35

Out: -244.397+/-59.822 χ^2/NDF:93.5/40

All: -107.545+/-42.626 χ^2/NDF: 148.3/76

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 248.156+/-0.044 χ^2/NDF:2912205.7/21

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 243.030+/-0.045 χ^2/NDF:2478243.1/19

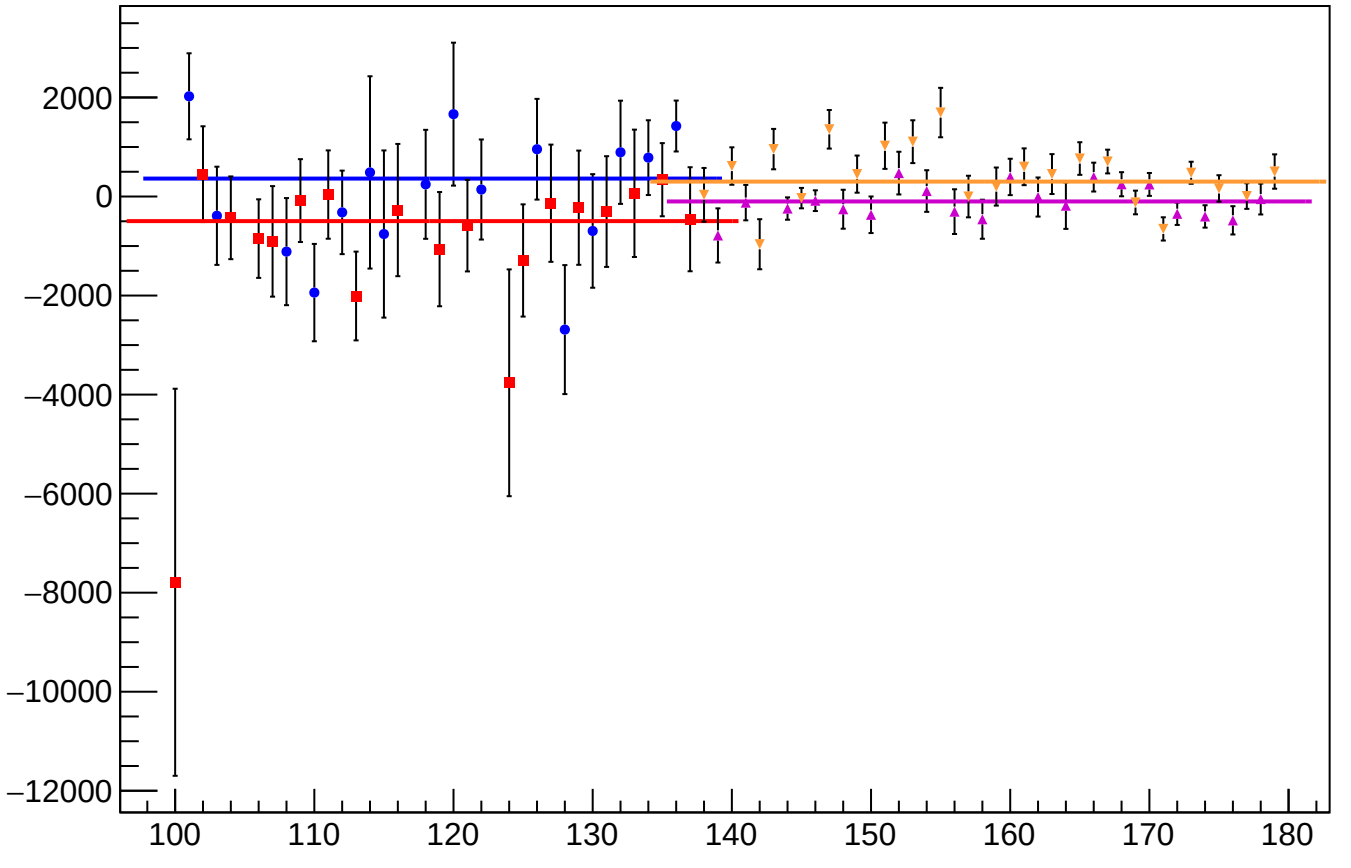
Left: 245.629+/-0.031 χ^2/NDF: 5397154.1/41

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 268.239+/-0.043 χ^2/NDF:7509060.7/35

Out: 273.046+/-0.042 χ^2/NDF:7976385.7/40

All: 270.680+/-0.030 χ^2/NDF: 15491803.8/76



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 301.434+/-67.867 χ^2/NDF:62.0/21

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -99.630+/-67.855 χ^2/NDF:19.5/19

Left: 100.866+/-47.985 χ^2/NDF: 99.0/41

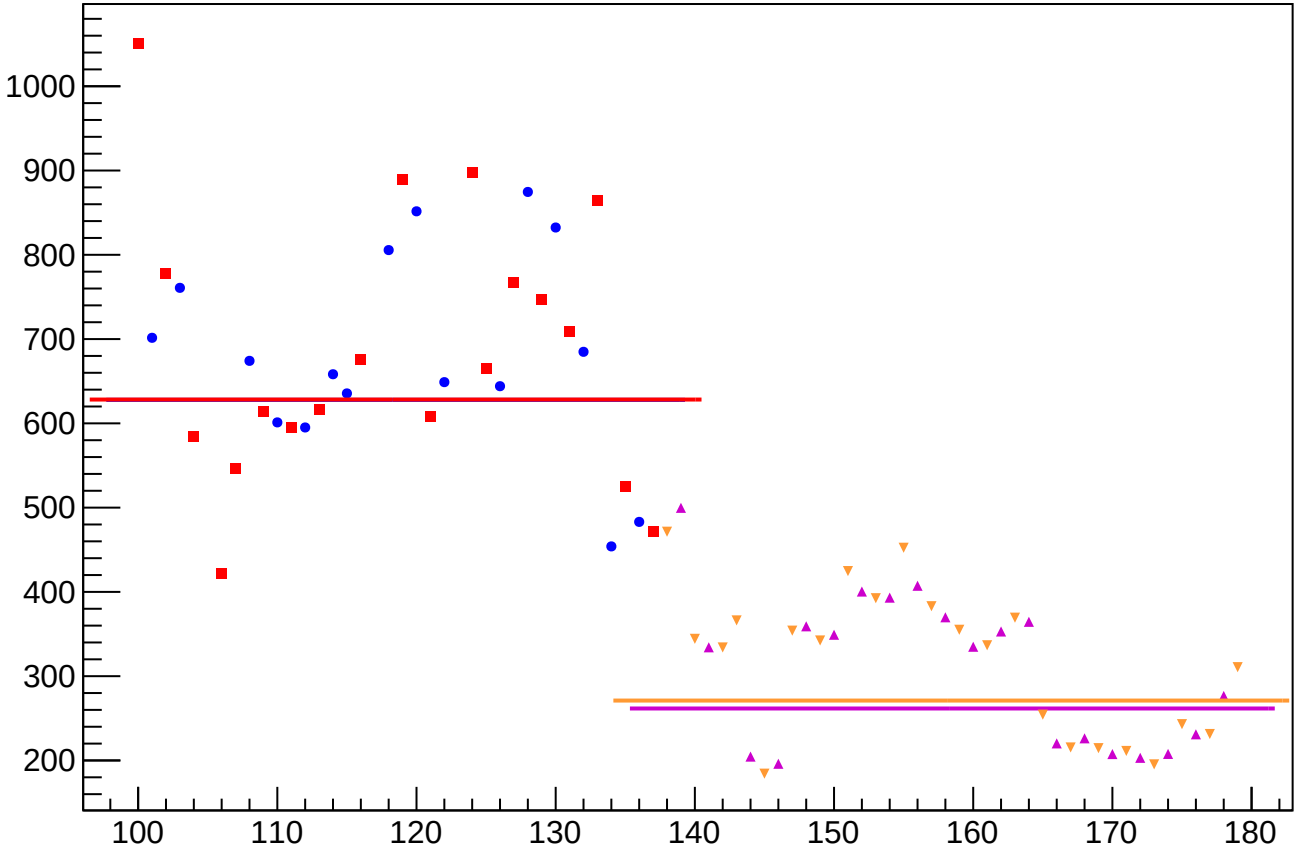
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -65.512+/-65.302 χ^2/NDF:48.0/35

Out: 240.489+/-65.225 χ^2/NDF:85.3/40

All: 87.669+/-46.148 χ^2/NDF: 144.3/76

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 271.073+/-0.048 χ^2/NDF:2742952.0/21

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.658+/-0.048 χ^2/NDF:2532245.5/19

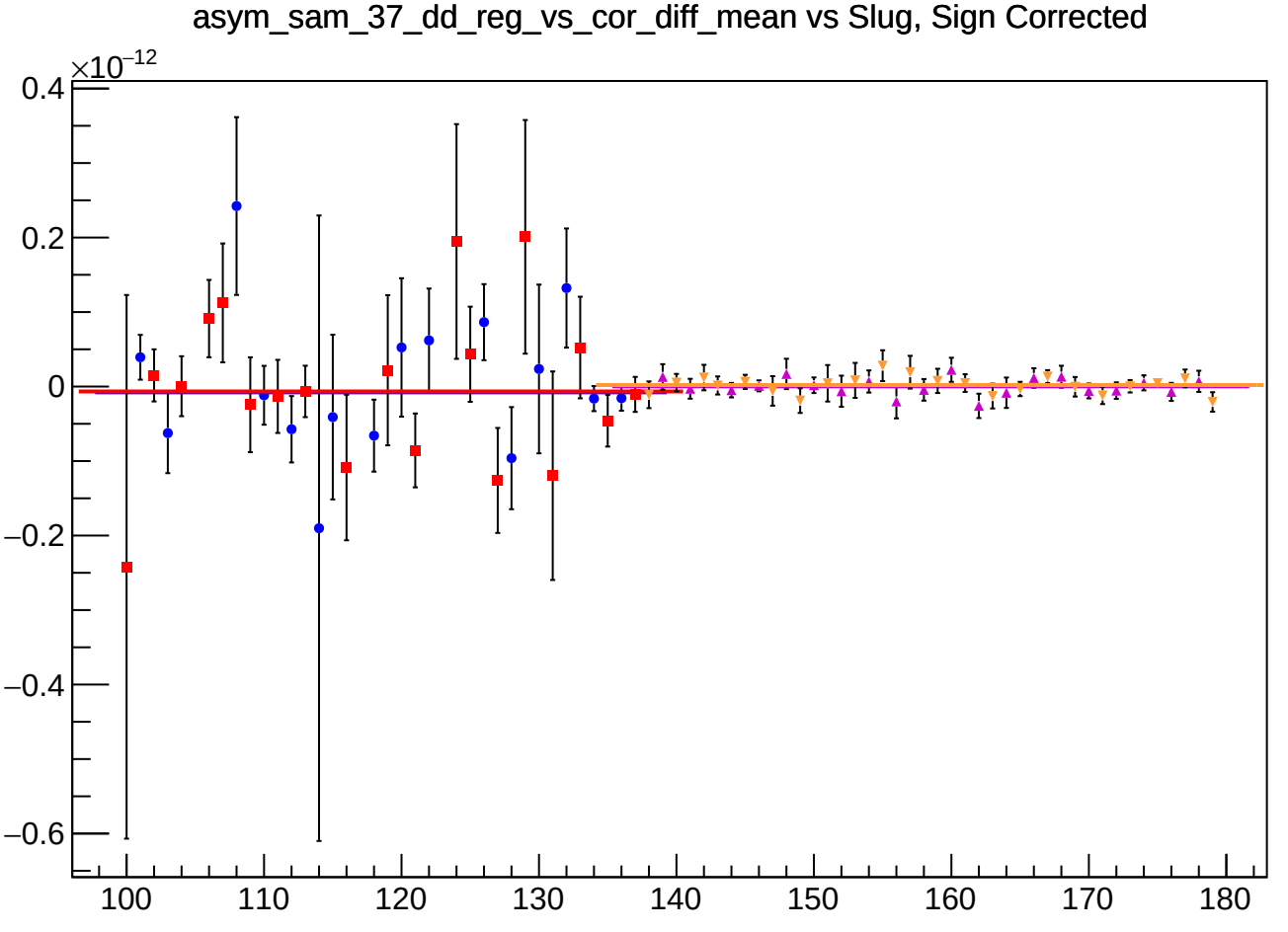
Left: 266.365+/-0.034 χ^2/NDF: 5294446.2/41

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 288.703+/-0.046 χ^2/NDF:7401541.1/35

Out: 298.349+/-0.046 χ^2/NDF:7544190.7/40

All: 293.532+/-0.033 χ^2/NDF: 14967574.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/19

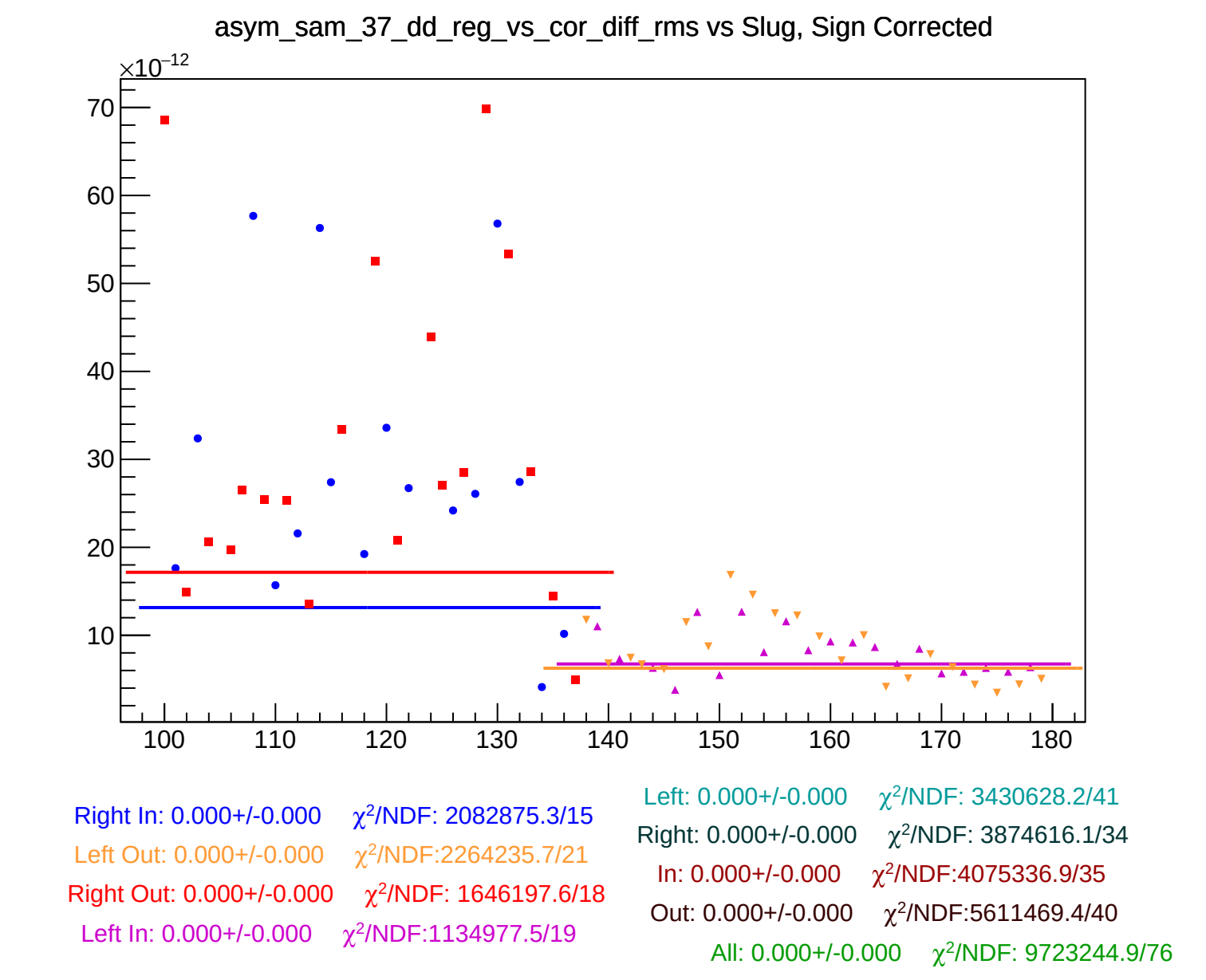
Left: 0.000+/-0.000 χ^2/NDF: 23.9/41

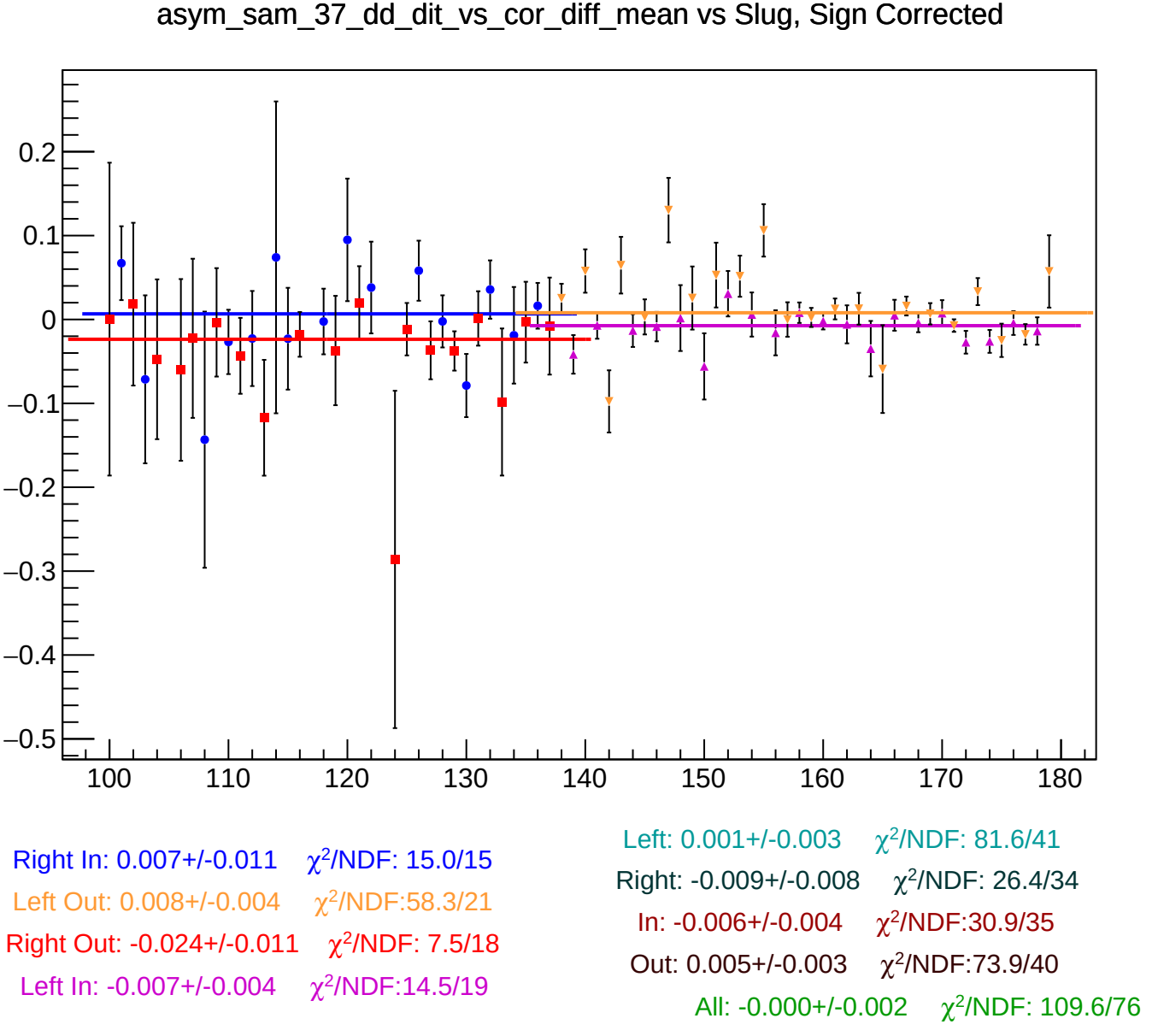
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:32.0/35

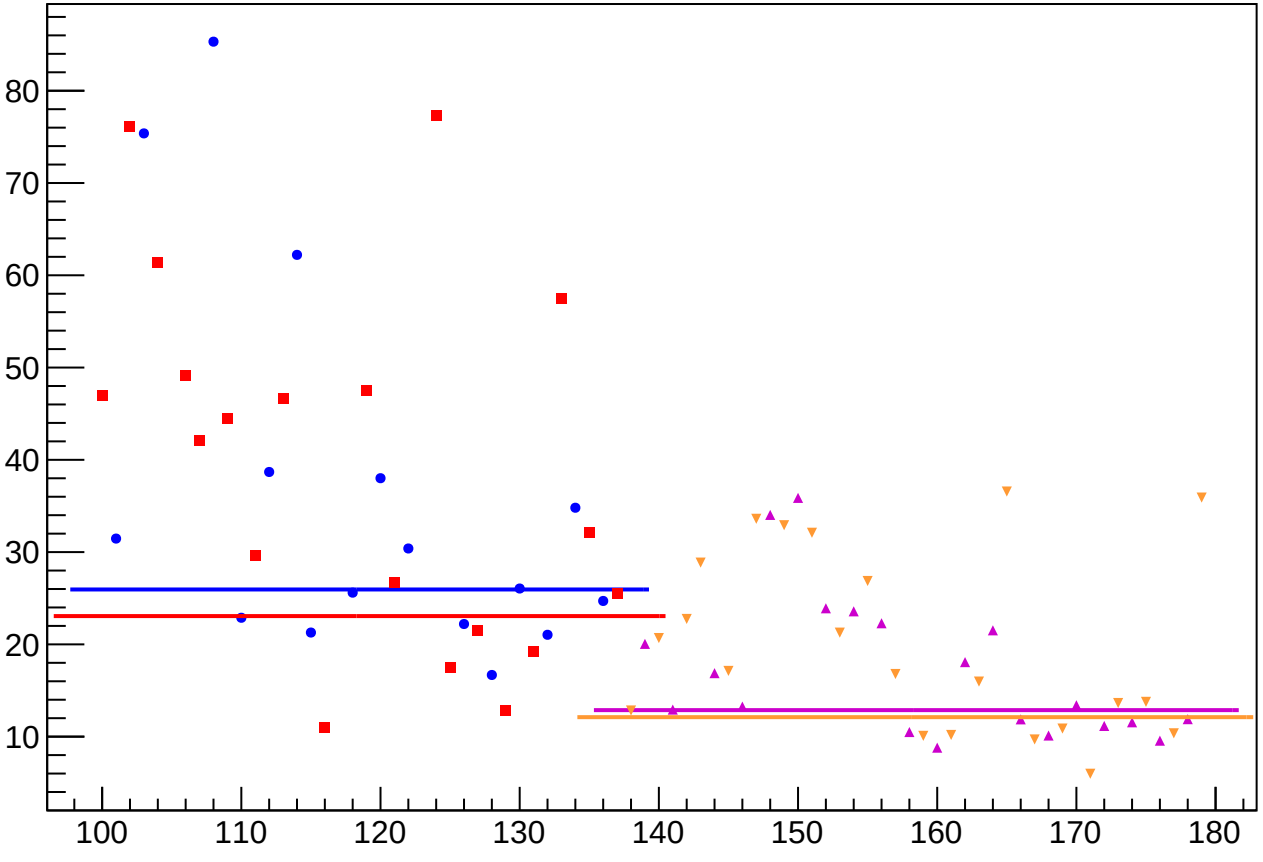
Out: 0.000+/-0.000 χ^2/NDF:33.9/40

All: 0.000+/-0.000 χ^2/NDF: 66.2/76


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2264235.7/21
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1134977.5/19
Left: 0.000+/-0.000 χ²/NDF: 3430628.2/41
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4075336.9/35
Out: 0.000+/-0.000 χ²/NDF:5611469.4/40
All: 0.000+/-0.000 χ²/NDF: 9723244.9/76


asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.008+/-0.004 χ²/NDF:58.3/21
Right Out: -0.024+/-0.011 χ²/NDF: 7.5/18
Left In: -0.007+/-0.004 χ²/NDF:14.5/19
Left: 0.001+/-0.003 χ²/NDF: 81.6/41
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.006+/-0.004 χ²/NDF:30.9/35
Out: 0.005+/-0.003 χ²/NDF:73.9/40
All: -0.000+/-0.002 χ²/NDF: 109.6/76

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362404.6/21

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.873+/-0.003 χ^2/NDF:3390414.2/19

Left: 12.473+/-0.002 χ^2/NDF: 9796365.3/41

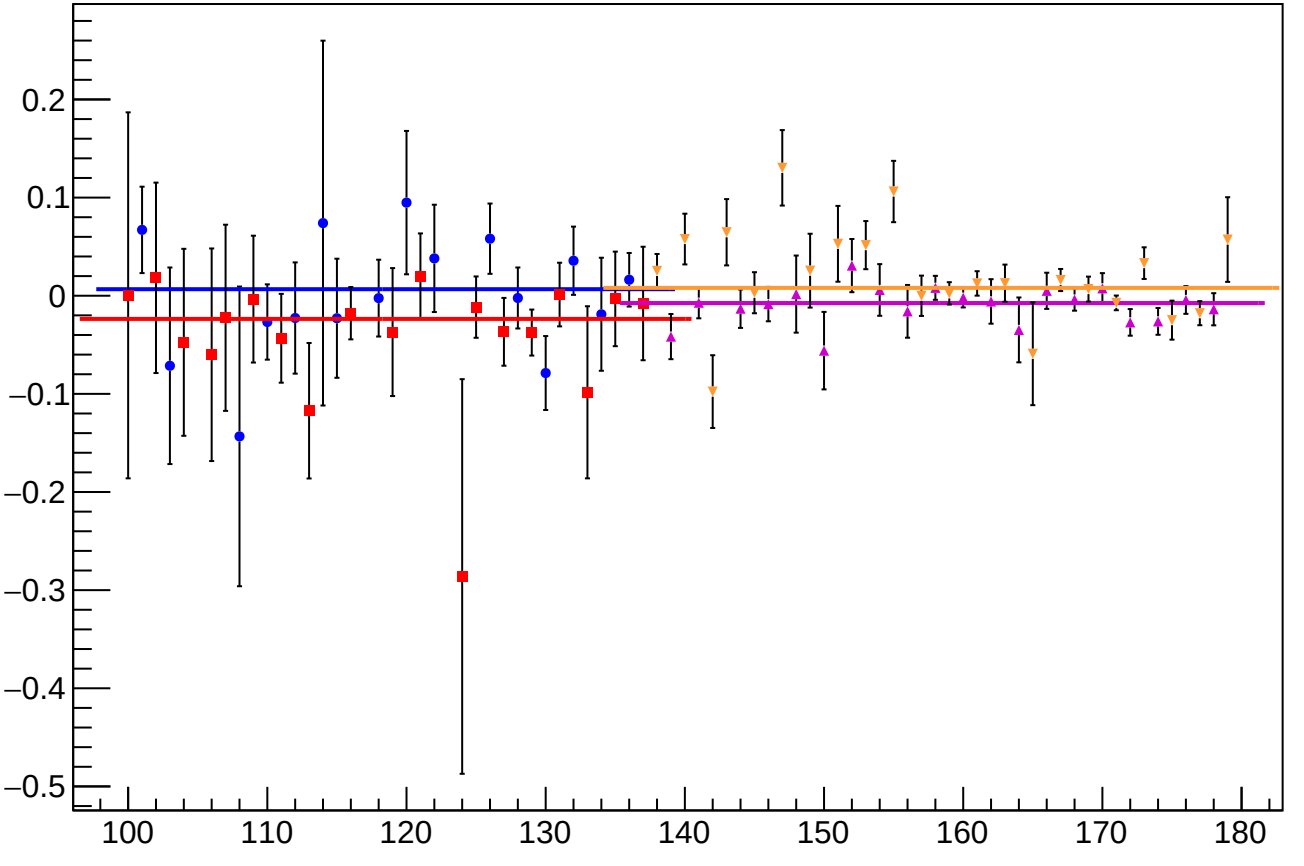
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.211+/-0.003 χ^2/NDF:7263546.4/35

Out: 13.243+/-0.002 χ^2/NDF:11674647.5/40

All: 13.703+/-0.002 χ^2/NDF: 19016398.4/76

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.5/19

Left: 0.001+/-0.003 χ^2/NDF: 81.6/41

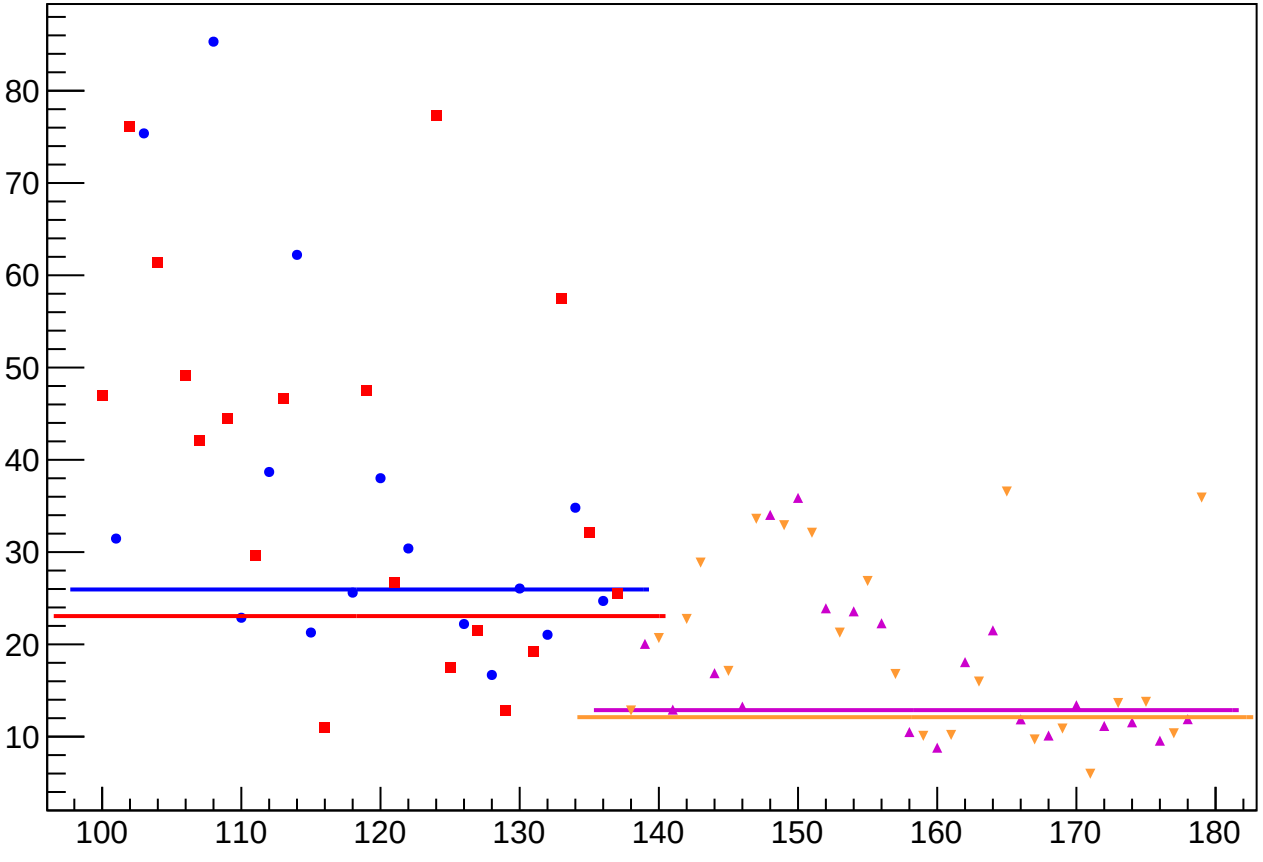
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.9/35

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: -0.000+/-0.002 χ^2/NDF: 109.6/76

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362404.6/21

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.873+/-0.003 χ^2/NDF:3390414.2/19

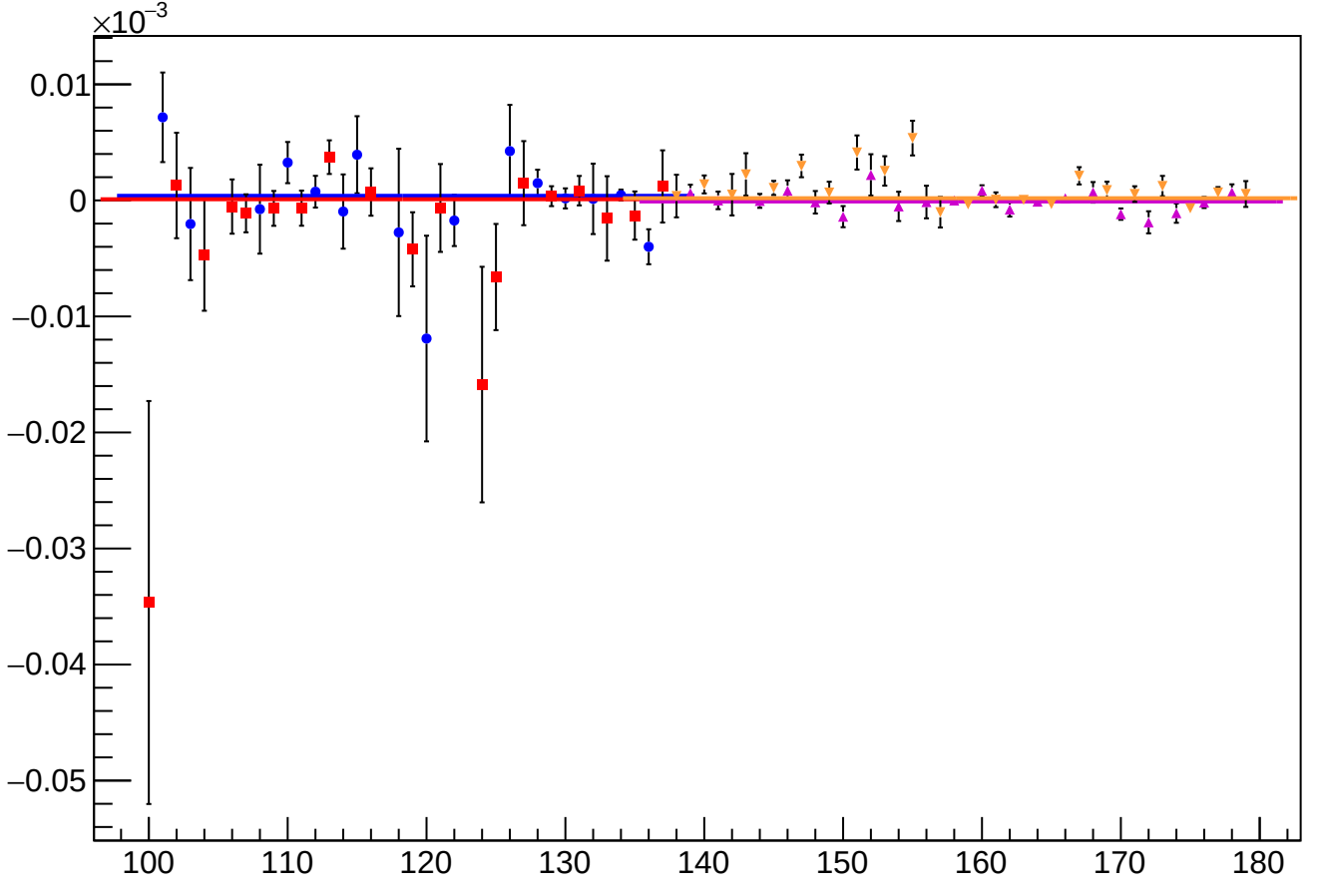
Left: 12.473+/-0.002 χ^2/NDF: 9796365.3/41

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.211+/-0.003 χ^2/NDF:7263546.4/35

Out: 13.243+/-0.002 χ^2/NDF:11674647.5/40

All: 13.703+/-0.002 χ^2/NDF: 19016398.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:60.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:23.9/19

Left: 0.000+/-0.000 χ^2/NDF: 86.9/41

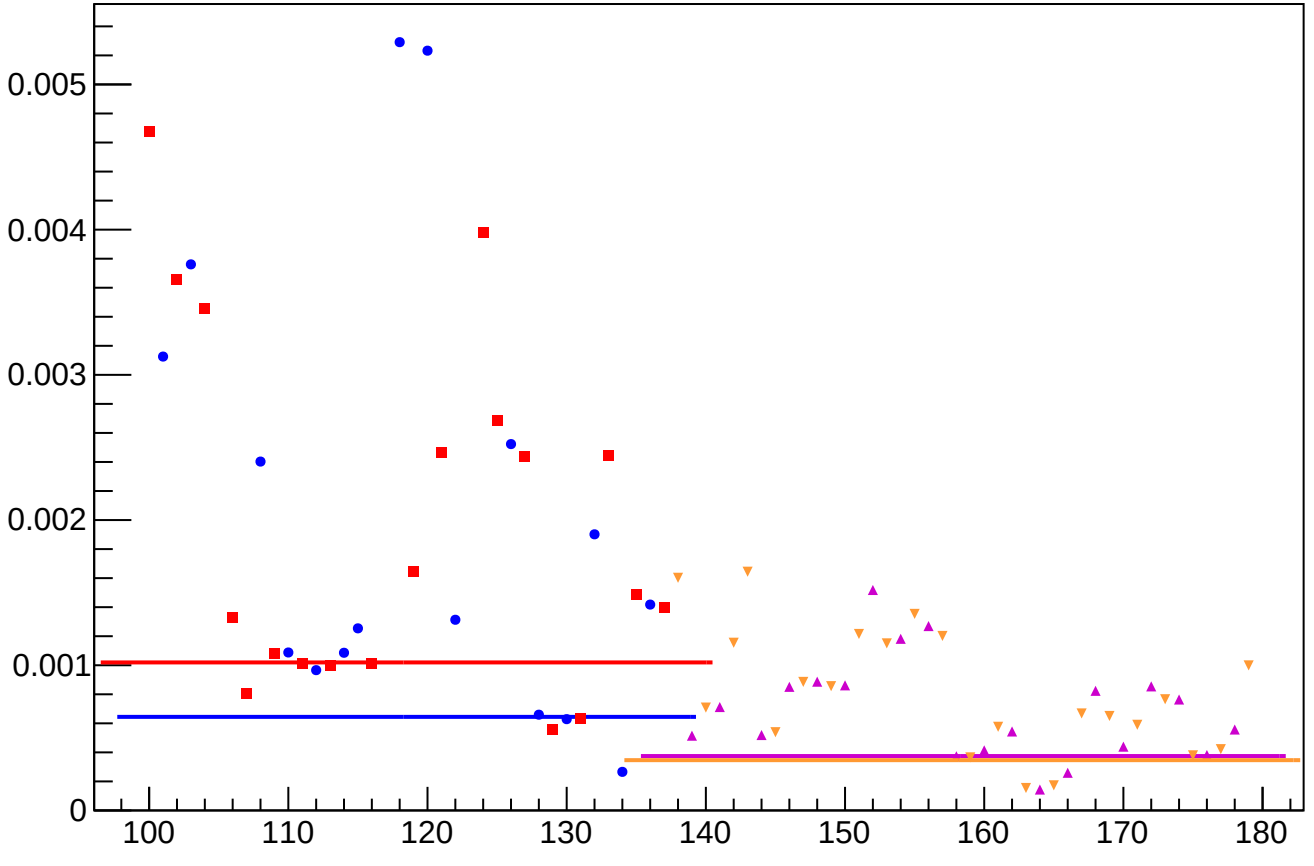
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:46.6/35

Out: 0.000+/-0.000 χ^2/NDF:80.4/40

All: 0.000+/-0.000 χ^2/NDF: 129.1/76

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13277358.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9739870.9/19

Left: 0.000+/-0.000 χ^2/NDF: 23080766.1/41

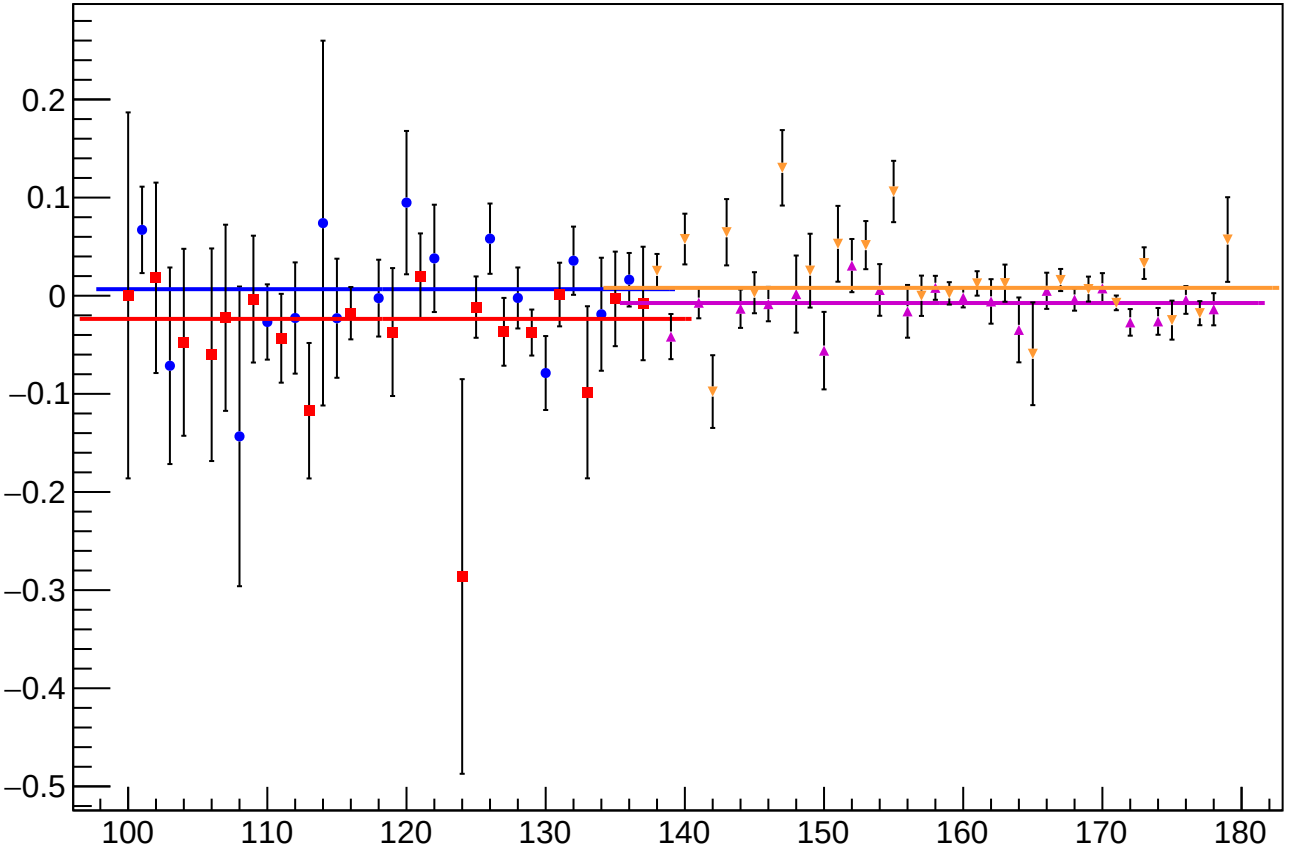
Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:17442363.5/35

Out: 0.000+/-0.000 χ^2/NDF:21168964.9/40

All: 0.000+/-0.000 χ^2/NDF: 38646111.9/76

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.5/19

Left: 0.001+/-0.003 χ^2/NDF: 81.6/41

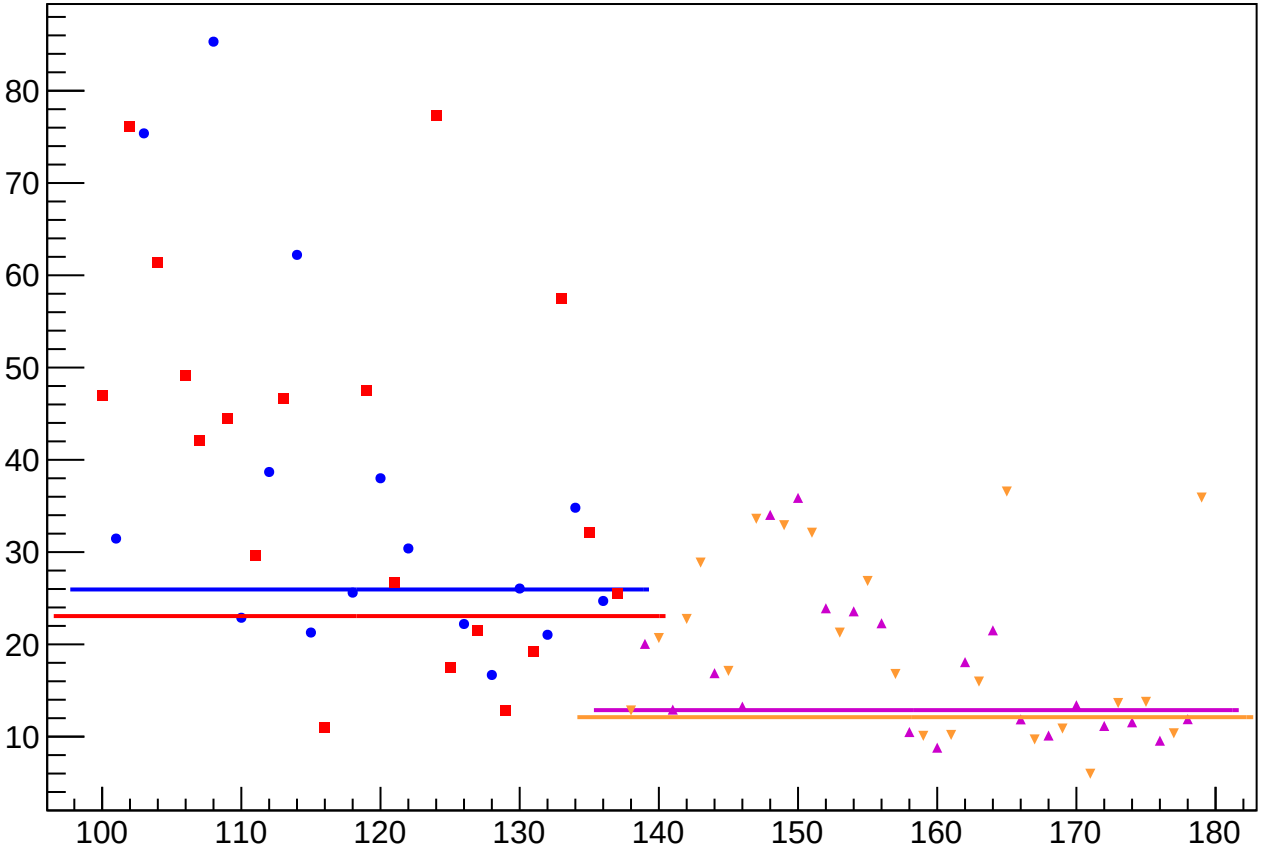
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.9/35

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: -0.000+/-0.002 χ^2/NDF: 109.6/76

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362638.2/21

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.874+/-0.003 χ^2/NDF:3390589.7/19

Left: 12.473+/-0.002 χ^2/NDF: 9796771.4/41

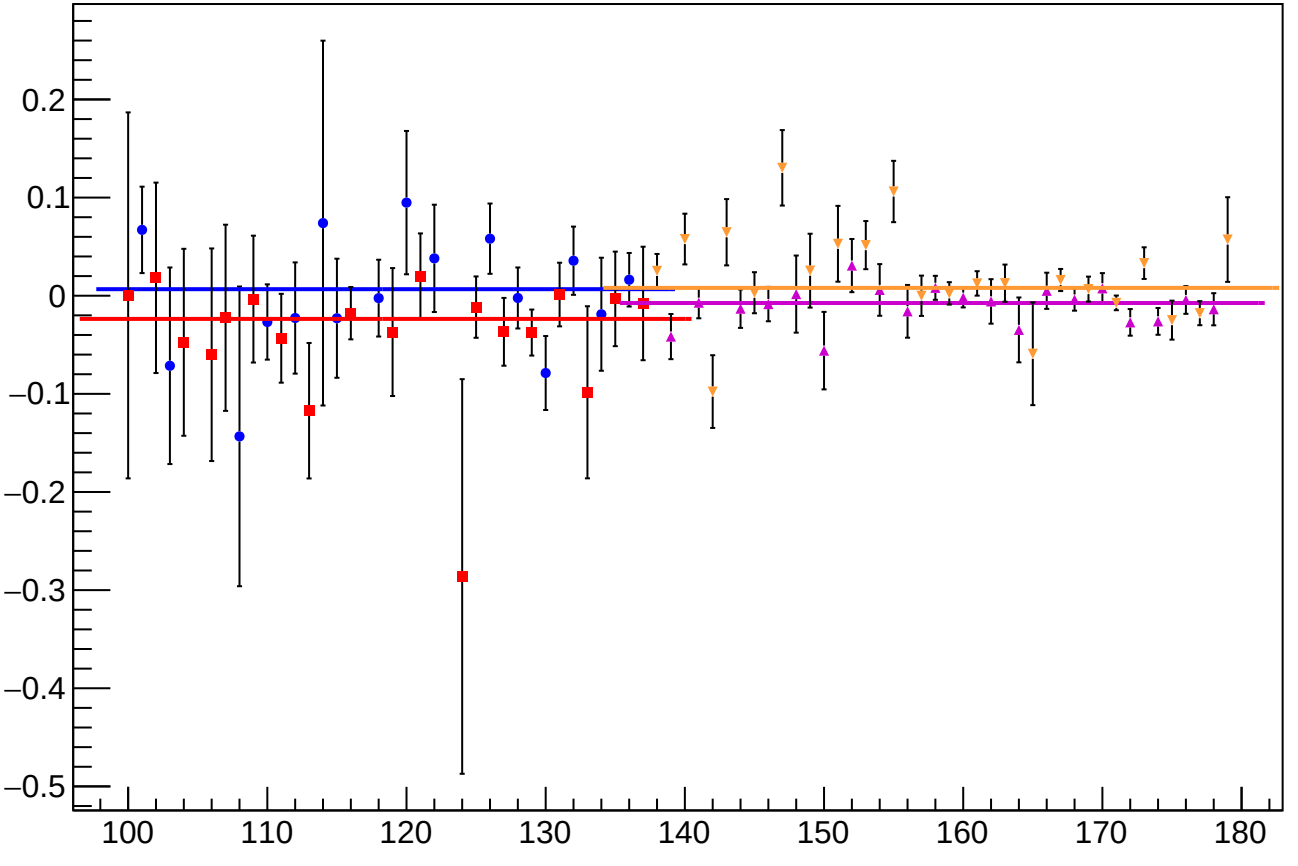
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.212+/-0.003 χ^2/NDF:7263753.1/35

Out: 13.243+/-0.002 χ^2/NDF:11674818.3/40

All: 13.703+/-0.002 χ^2/NDF: 19016770.0/76

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:58.3/21

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.5/19

Left: 0.001+/-0.003 χ^2/NDF: 81.6/41

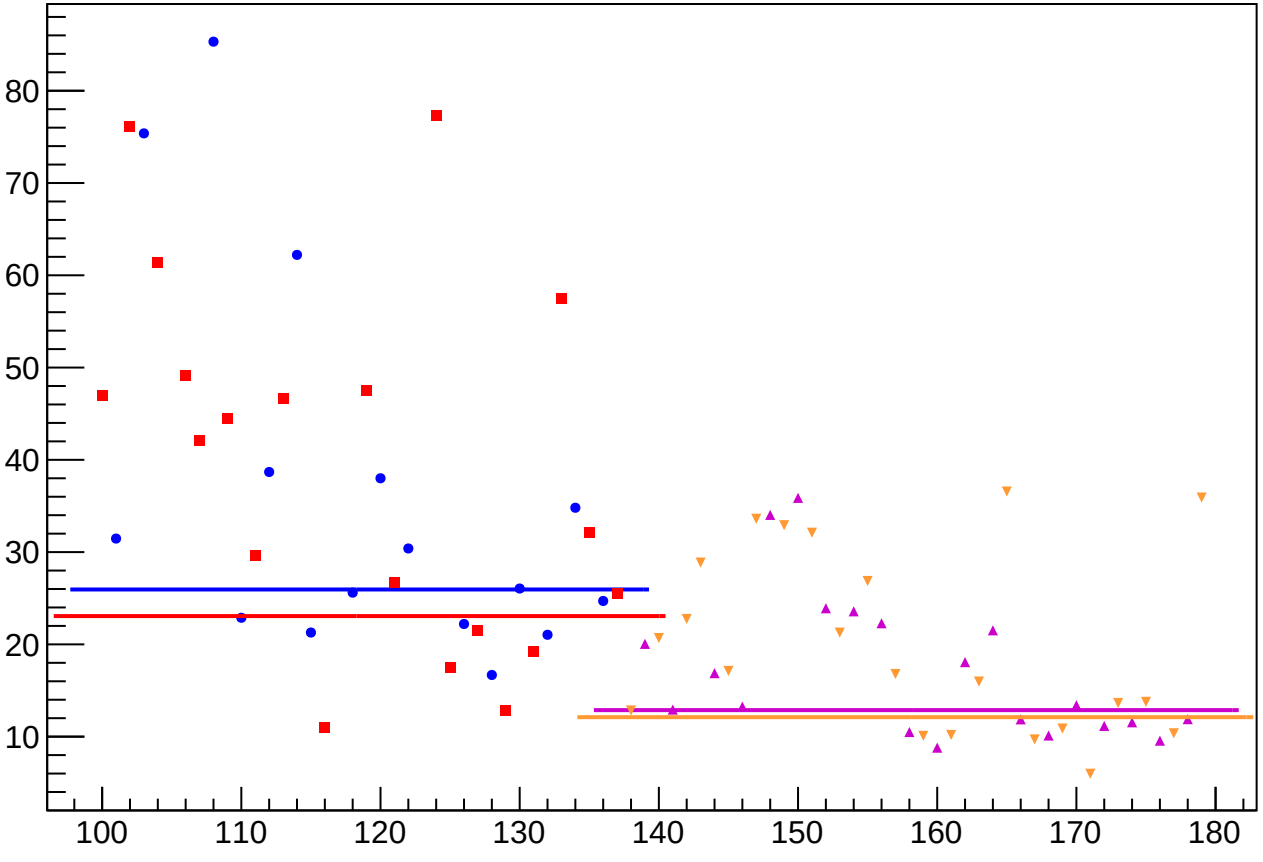
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.9/35

Out: 0.005+/-0.003 χ^2/NDF:73.9/40

All: -0.000+/-0.002 χ^2/NDF: 109.6/76

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.110+/-0.003 χ^2/NDF:6362638.2/21

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.874+/-0.003 χ^2/NDF:3390589.7/19

Left: 12.473+/-0.002 χ^2/NDF: 9796771.4/41

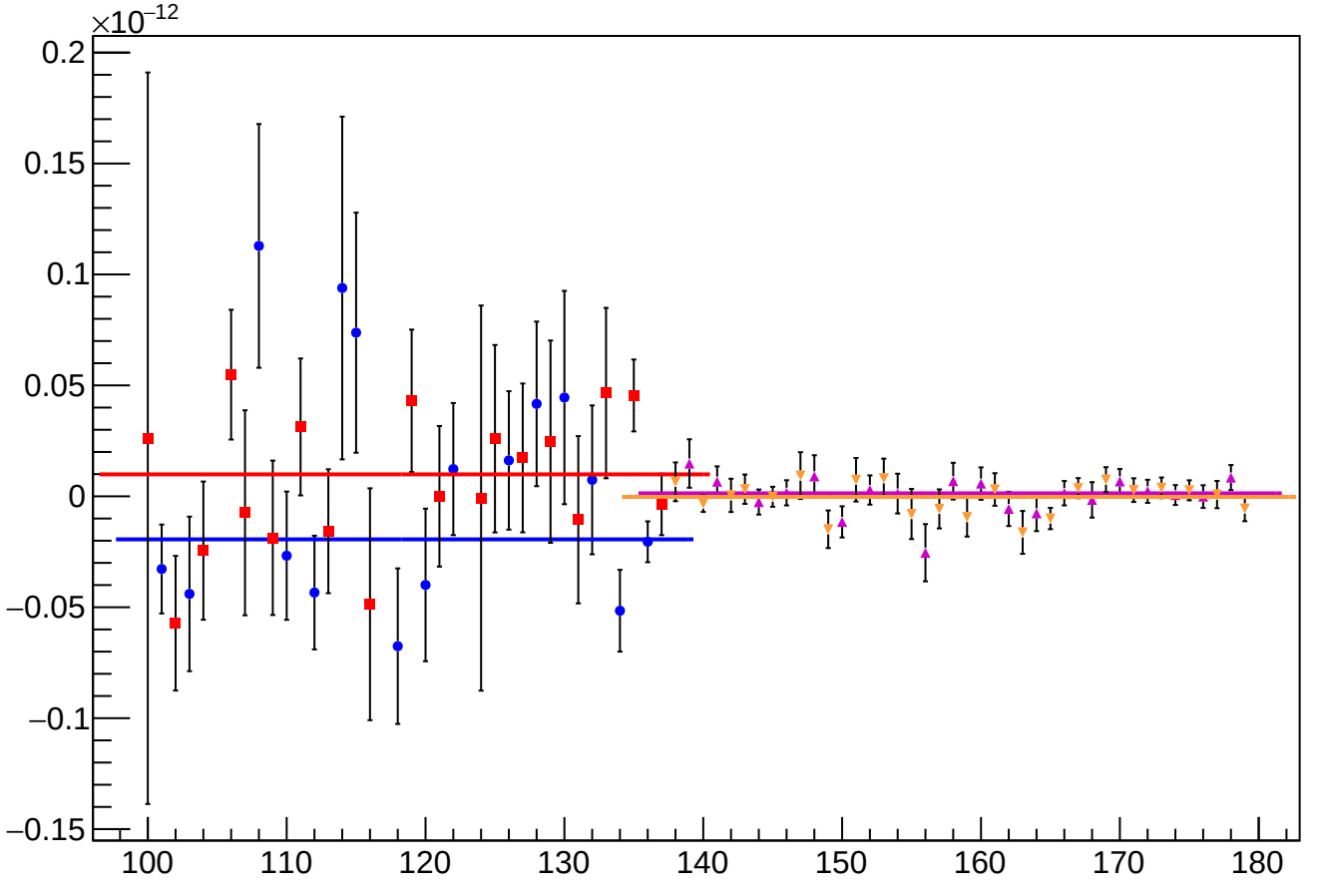
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.212+/-0.003 χ^2/NDF:7263753.1/35

Out: 13.243+/-0.002 χ^2/NDF:11674818.3/40

All: 13.703+/-0.002 χ^2/NDF: 19016770.0/76

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/19

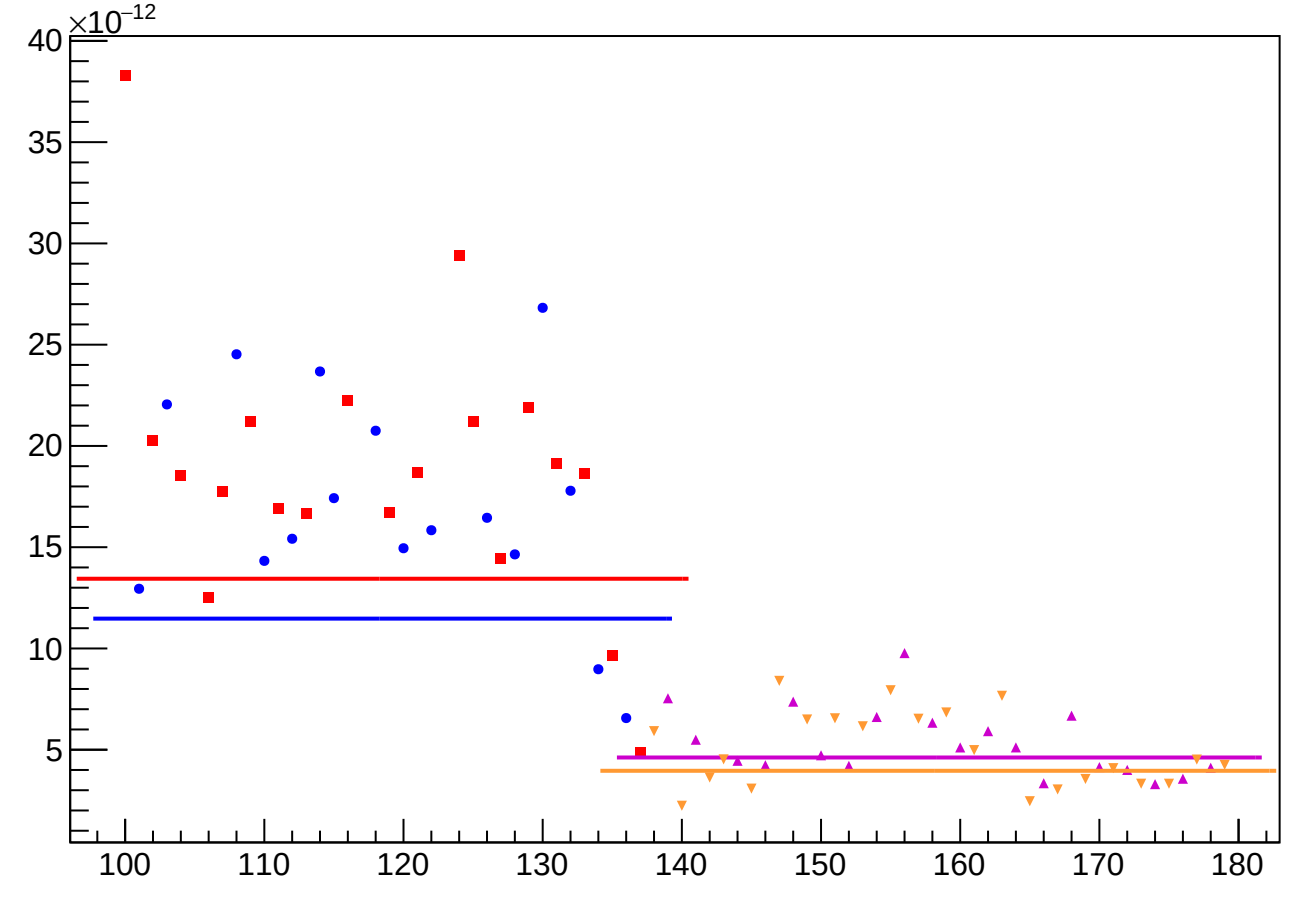
Left: 0.000+/-0.000 χ^2/NDF: 38.2/41

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: 0.000+/-0.000 χ^2/NDF:53.5/35

Out: 0.000+/-0.000 χ^2/NDF:43.4/40

All: 0.000+/-0.000 χ^2/NDF: 96.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2775623.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1498879.8/19

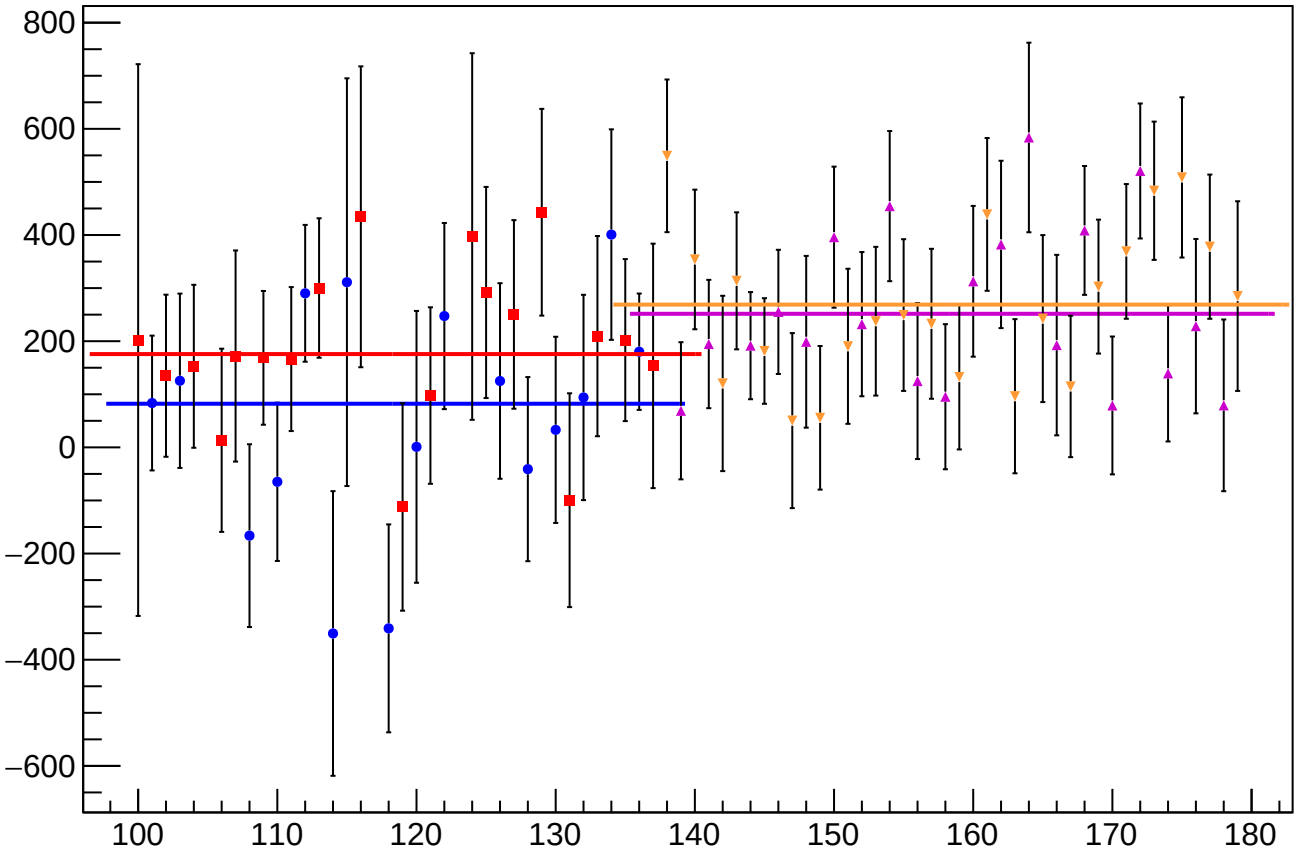
Left: 0.000+/-0.000 χ^2/NDF: 4500171.2/41

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5538885.1/35

Out: 0.000+/-0.000 χ^2/NDF:8225088.0/40

All: 0.000+/-0.000 χ^2/NDF: 14035056.5/76



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.922+/-29.461 χ^2/NDF:22.3/21

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 251.616+/-30.435 χ^2/NDF:22.3/19

Left: 260.550+/-21.168 χ^2/NDF: 44.8/41

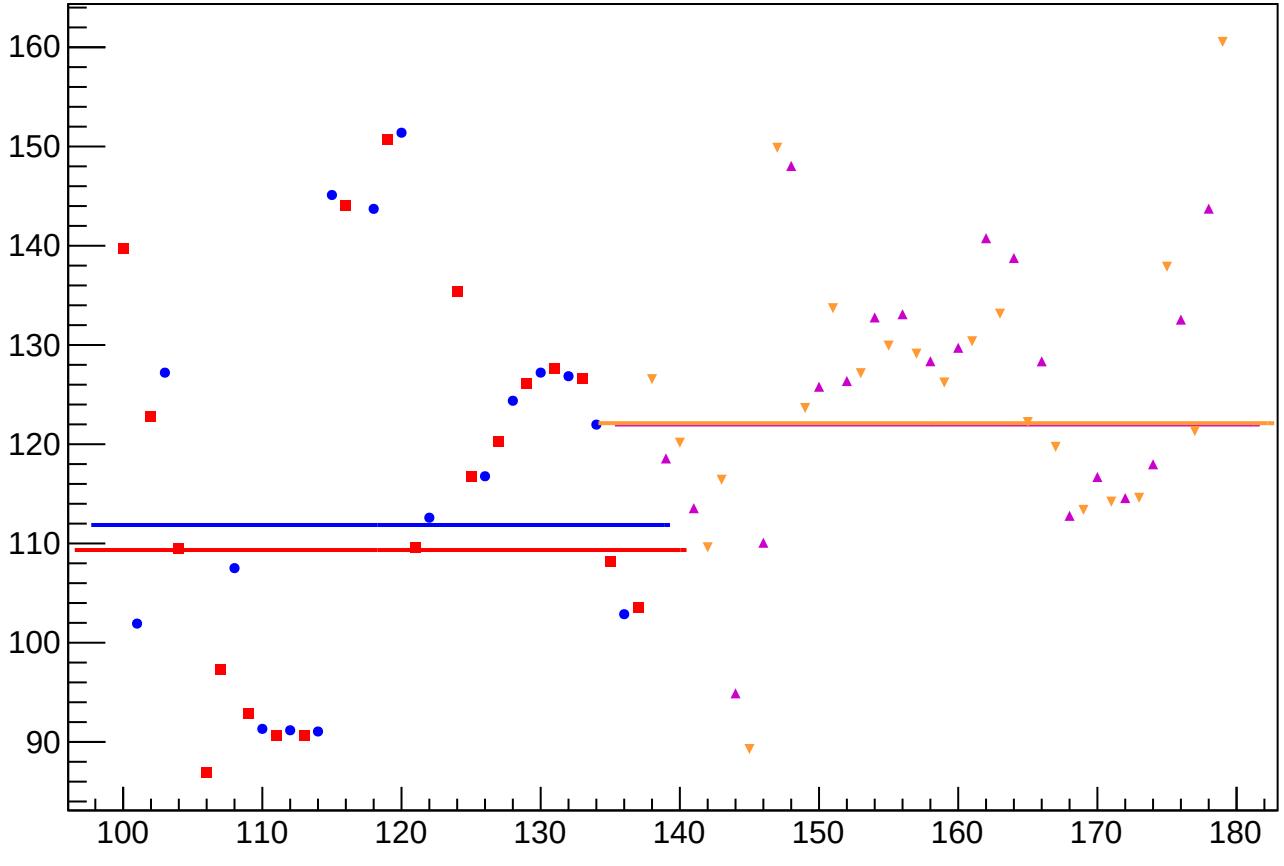
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 193.526+/-24.671 χ^2/NDF:51.3/35

Out: 236.853+/-23.860 χ^2/NDF:35.7/40

All: 215.914+/-17.151 χ^2/NDF: 88.5/76

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

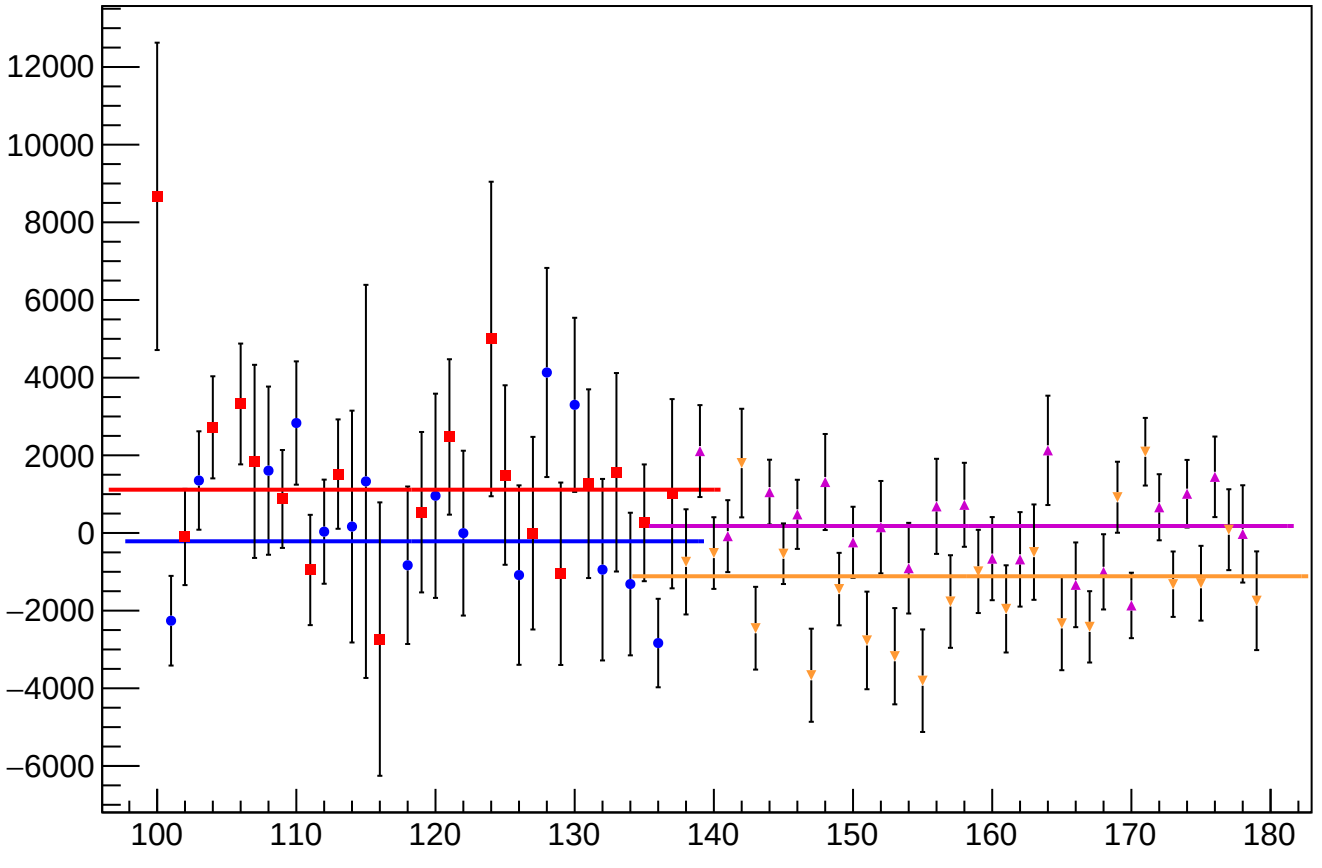
Left: 122.057+/-0.015 χ^2/NDF: 859531.6/41

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 118.516+/-0.017 χ^2/NDF:763769.0/35

Out: 117.723+/-0.017 χ^2/NDF:974422.7/40

All: 118.106+/-0.012 χ^2/NDF: 1739261.8/76



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1114.802+/-224.167 χ^2/NDF:44.6/21

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 179.487+/-229.296 χ^2/NDF:21.4/19

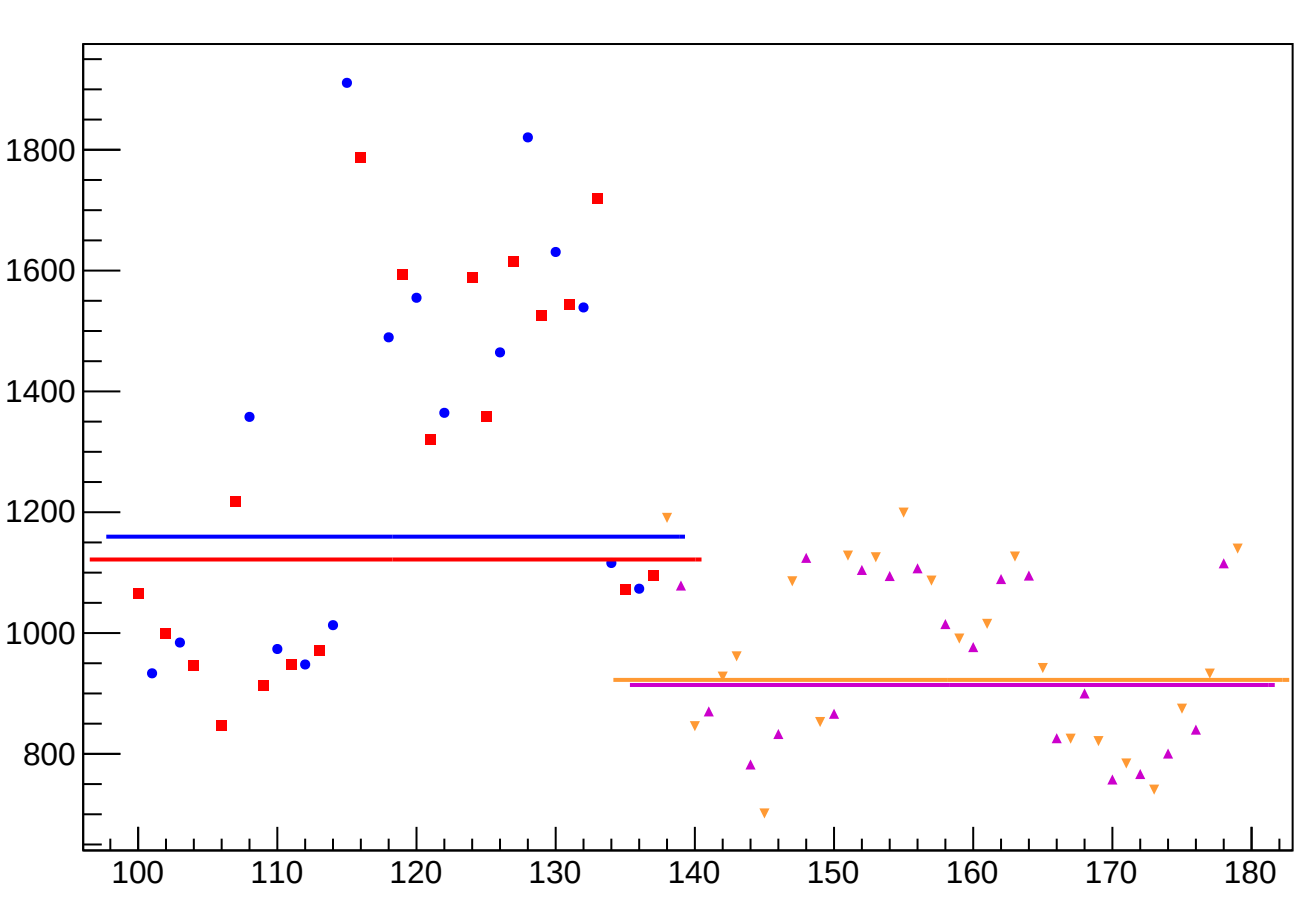
Left: -482.294+/-160.293 χ^2/NDF: 82.2/41

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 96.588+/-203.728 χ^2/NDF:42.4/35

Out: -626.022+/-198.077 χ^2/NDF:80.8/40

All: -274.879+/-142.017 χ^2/NDF: 129.7/76



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.0/21

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 914.043+/-0.162 χ^2/NDF:658682.3/19

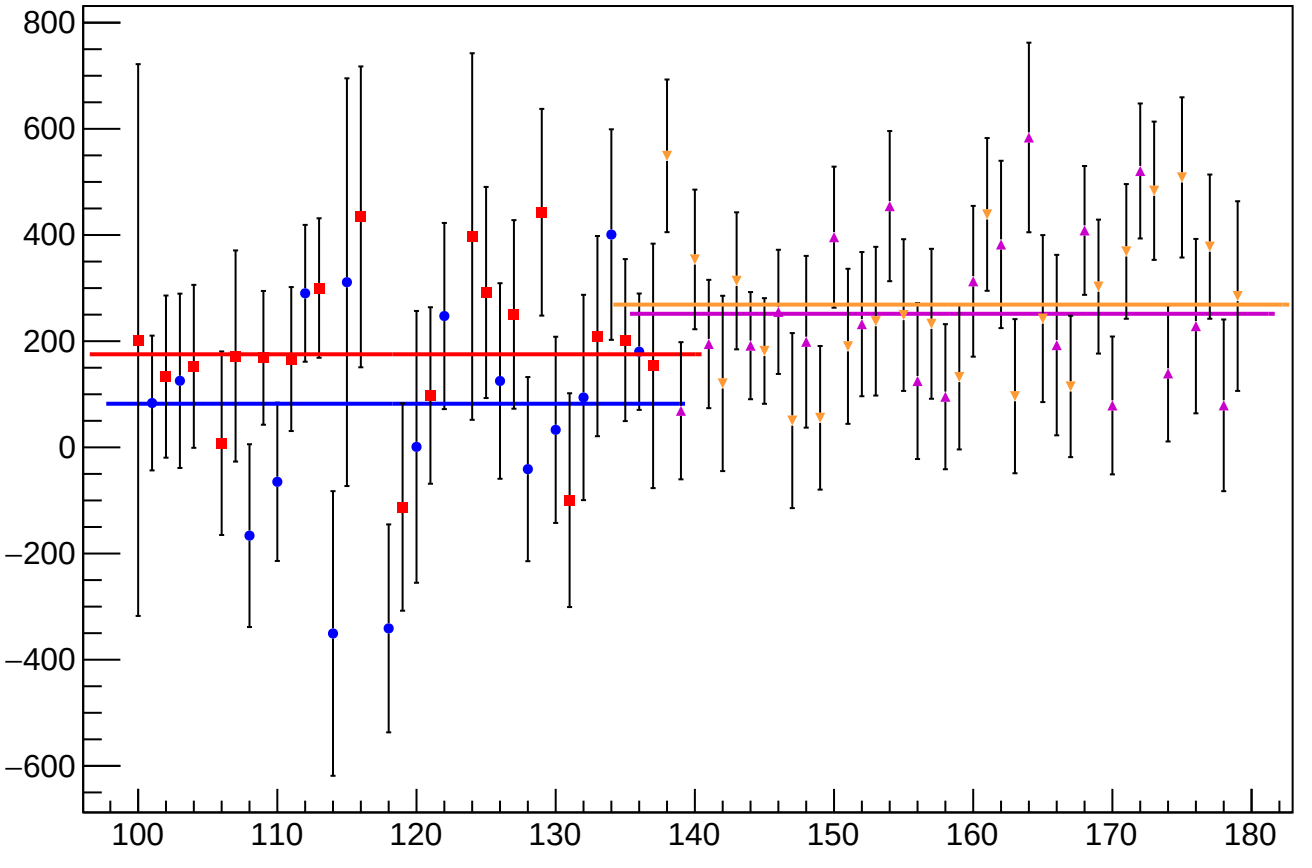
Left: 918.346+/-0.113 χ^2/NDF: 1528637.9/41

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 965.745+/-0.144 χ^2/NDF:1825251.2/35

Out: 966.150+/-0.140 χ^2/NDF:1997407.6/40

All: 965.953+/-0.100 χ^2/NDF: 3822662.9/76



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 251.618+/-30.435 χ^2/NDF:22.3/19

Left: 260.553+/-21.168 χ^2/NDF: 44.8/41

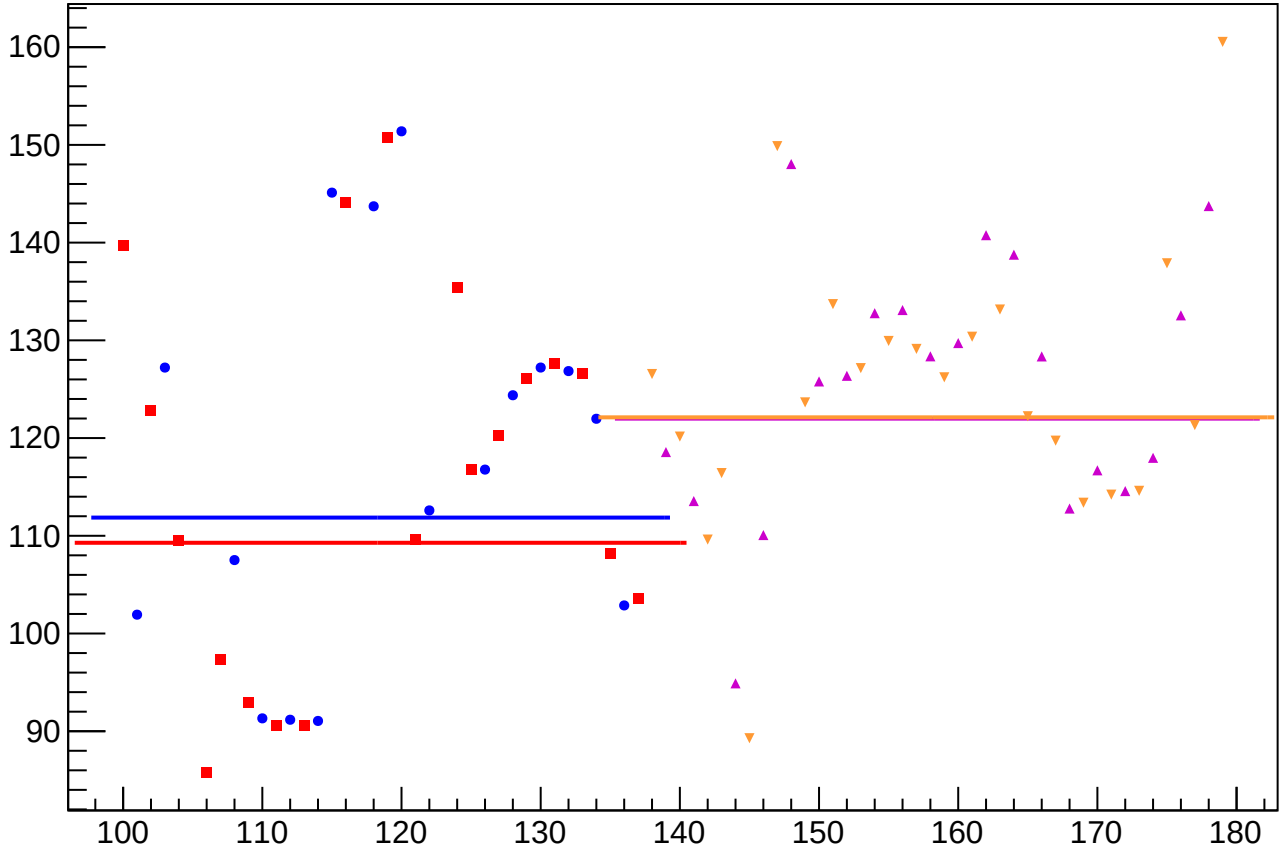
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 193.523+/-24.671 χ^2/NDF:51.3/35

Out: 236.726+/-23.861 χ^2/NDF:35.7/40

All: 215.846+/-17.151 χ^2/NDF: 88.6/76

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

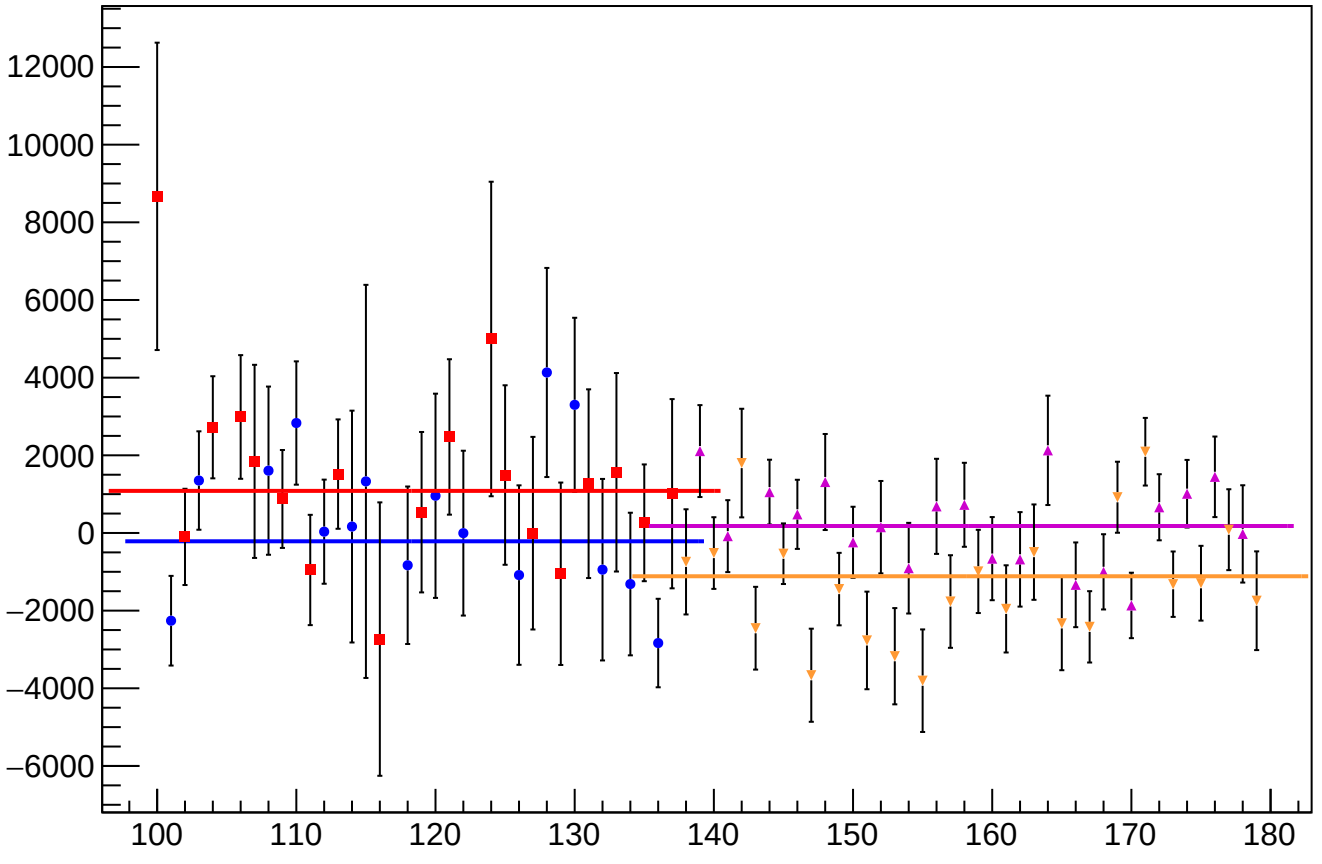
Left: 122.057+/-0.015 χ^2/NDF: 859531.6/41

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 118.516+/-0.017 χ^2/NDF:763769.7/35

Out: 117.704+/-0.017 χ^2/NDF:979031.2/40

All: 118.097+/-0.012 χ^2/NDF: 1743921.5/76



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1114.797+/-224.167 χ^2/NDF:44.6/21

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 179.492+/-229.296 χ^2/NDF:21.4/19

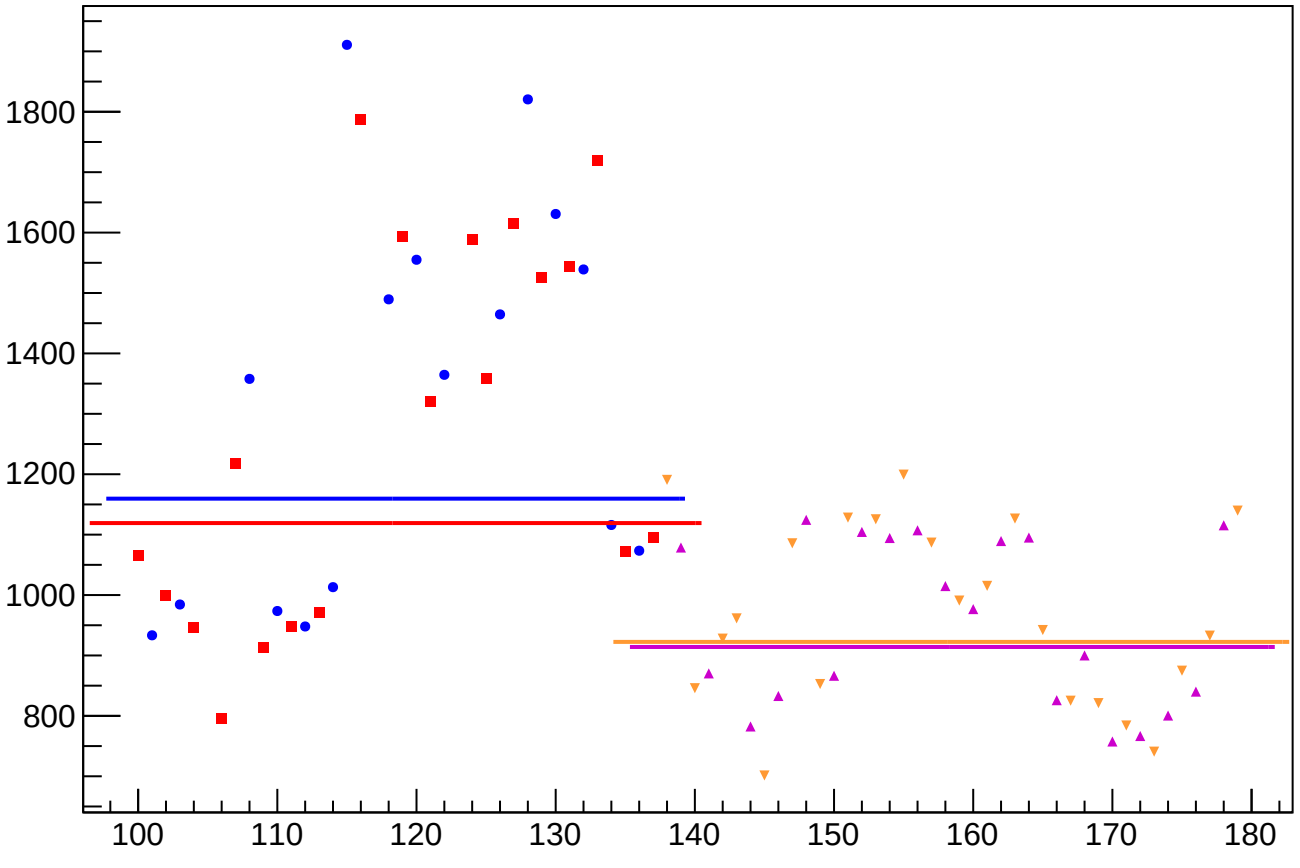
Left: -482.290+/-160.293 χ^2/NDF: 82.2/41

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 96.574+/-203.729 χ^2/NDF:42.4/35

Out: -634.068+/-198.152 χ^2/NDF:79.5/40

All: -278.884+/-142.045 χ^2/NDF: 128.5/76



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 914.043+/-0.162 χ^2/NDF:658683.5/19

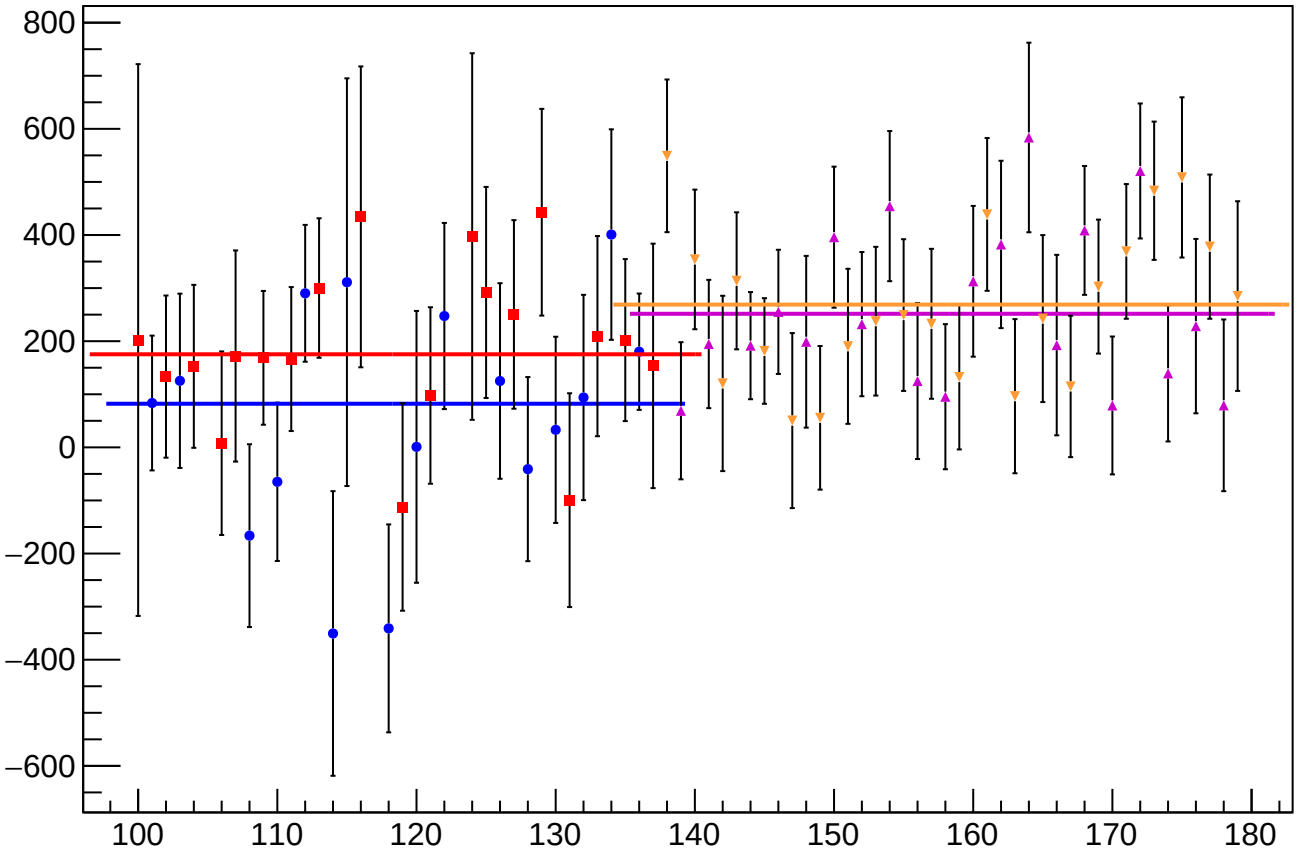
Left: 918.346+/-0.113 χ^2/NDF: 1528639.4/41

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 965.746+/-0.144 χ^2/NDF:1825253.0/35

Out: 965.464+/-0.140 χ^2/NDF:2008404.3/40

All: 965.601+/-0.100 χ^2/NDF: 3833659.3/76



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.927+/-29.461 χ^2/NDF:22.3/21

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 251.618+/-30.435 χ^2/NDF:22.3/19

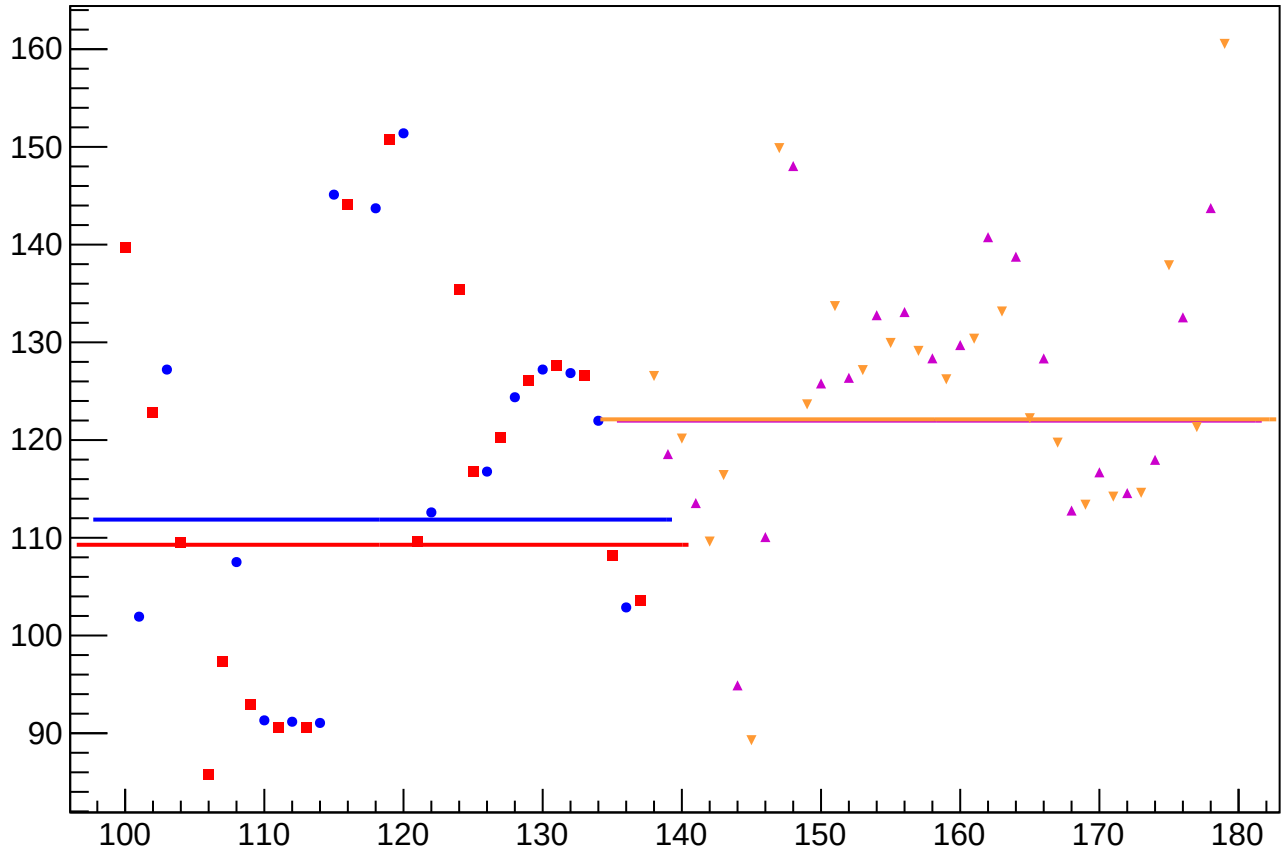
Left: 260.553+/-21.168 χ^2/NDF: 44.8/41

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 193.523+/-24.671 χ^2/NDF:51.3/35

Out: 236.726+/-23.861 χ^2/NDF:35.7/40

All: 215.846+/-17.151 χ^2/NDF: 88.6/76



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 122.121+/-0.021 χ^2/NDF:477685.8/21

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.989+/-0.022 χ^2/NDF:381826.4/19

Left: 122.057+/-0.015 χ^2/NDF: 859531.6/41

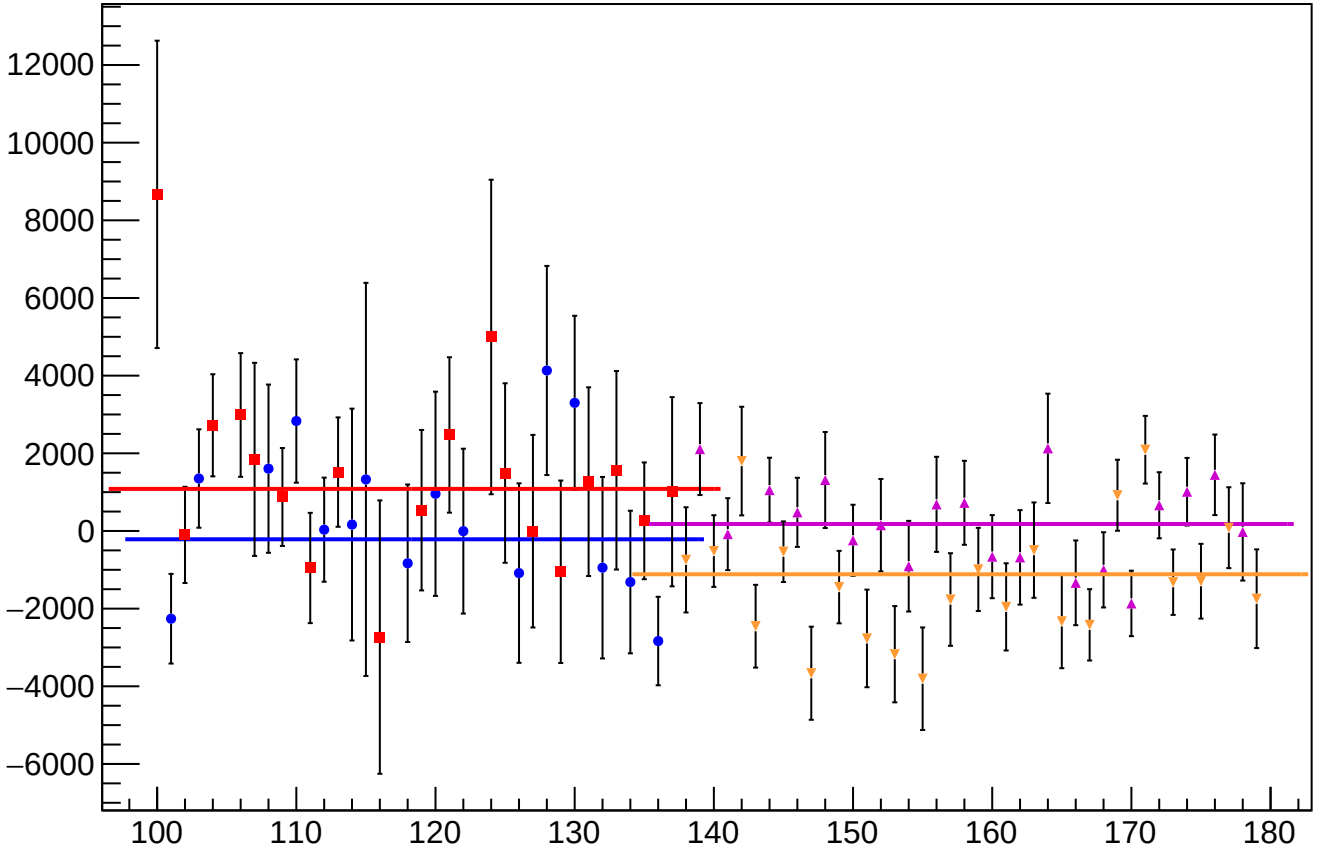
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 118.516+/-0.017 χ^2/NDF:763769.7/35

Out: 117.704+/-0.017 χ^2/NDF:979031.2/40

All: 118.097+/-0.012 χ^2/NDF: 1743921.5/76

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1114.797+/-224.167 χ^2/NDF:44.6/21

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 179.492+/-229.296 χ^2/NDF:21.4/19

Left: -482.290+/-160.293 χ^2/NDF: 82.2/41

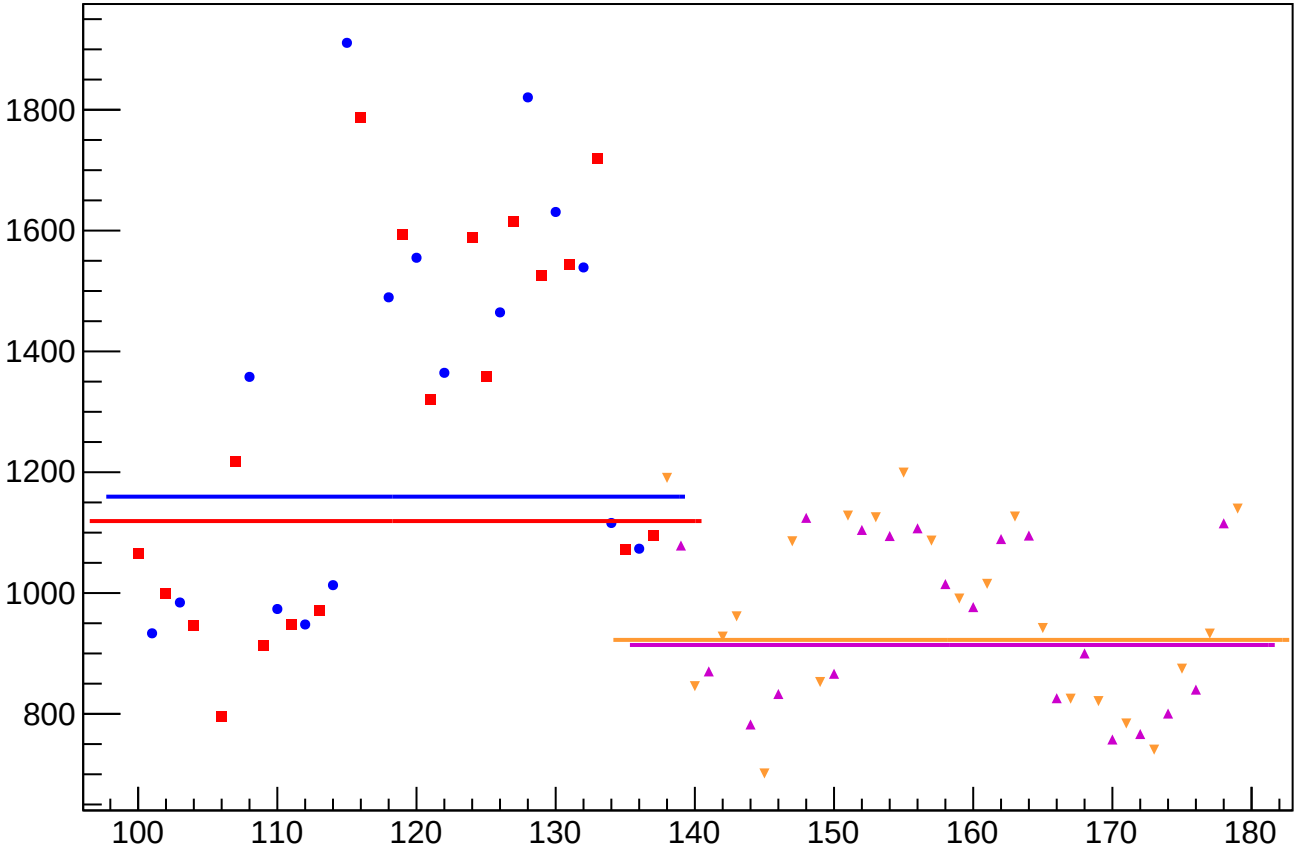
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 96.574+/-203.729 χ^2/NDF:42.4/35

Out: -634.068+/-198.152 χ^2/NDF:79.5/40

All: -278.884+/-142.045 χ^2/NDF: 128.5/76

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 922.459+/-0.159 χ^2/NDF:868578.3/21

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 914.043+/-0.162 χ^2/NDF:658683.5/19

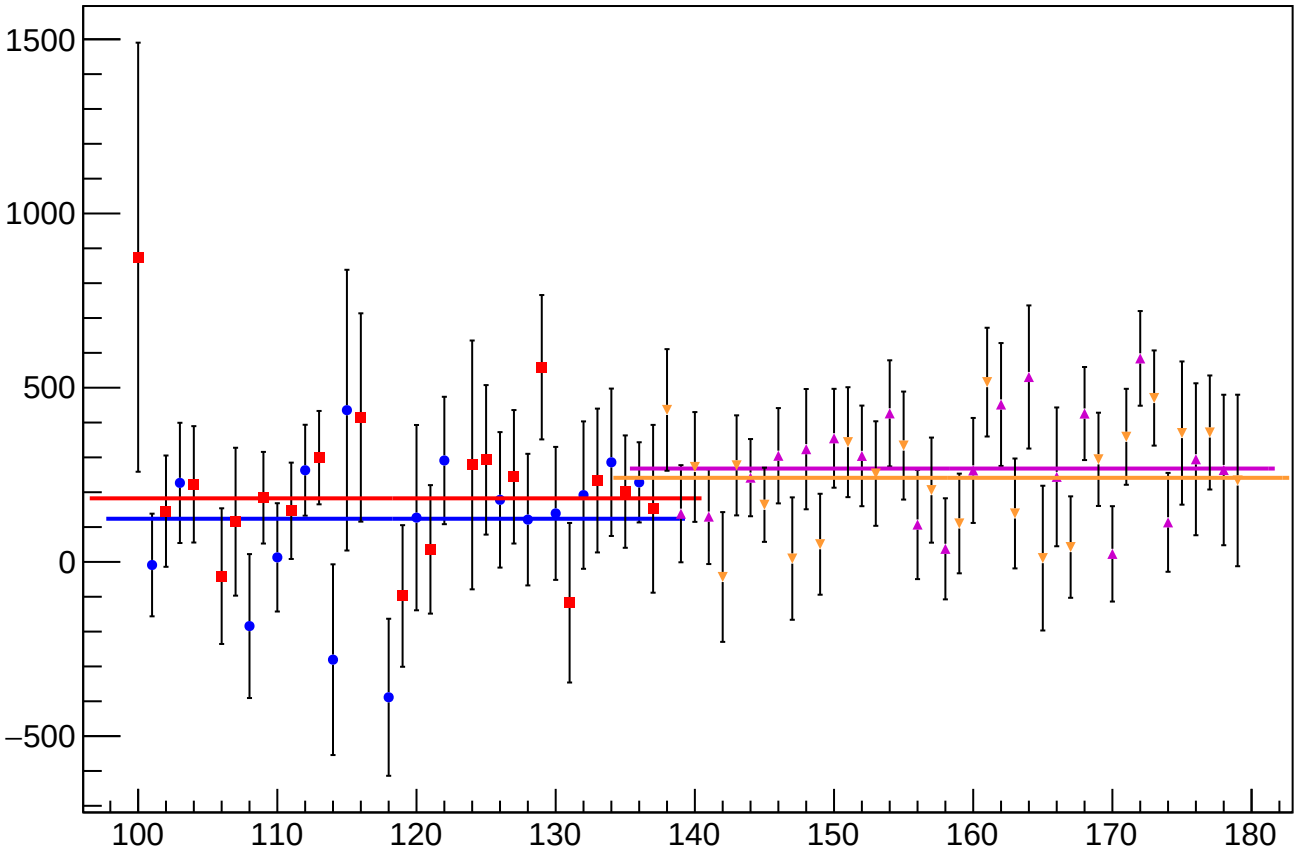
Left: 918.346+/-0.113 χ^2/NDF: 1528639.4/41

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 965.746+/-0.144 χ^2/NDF:1825253.0/35

Out: 965.464+/-0.140 χ^2/NDF:2008404.3/40

All: 965.601+/-0.100 χ^2/NDF: 3833659.3/76



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.321+/-32.808 χ^2/NDF:20.7/21

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.968+/-33.639 χ^2/NDF:21.2/19

Left: 254.312+/-23.487 χ^2/NDF: 42.2/41

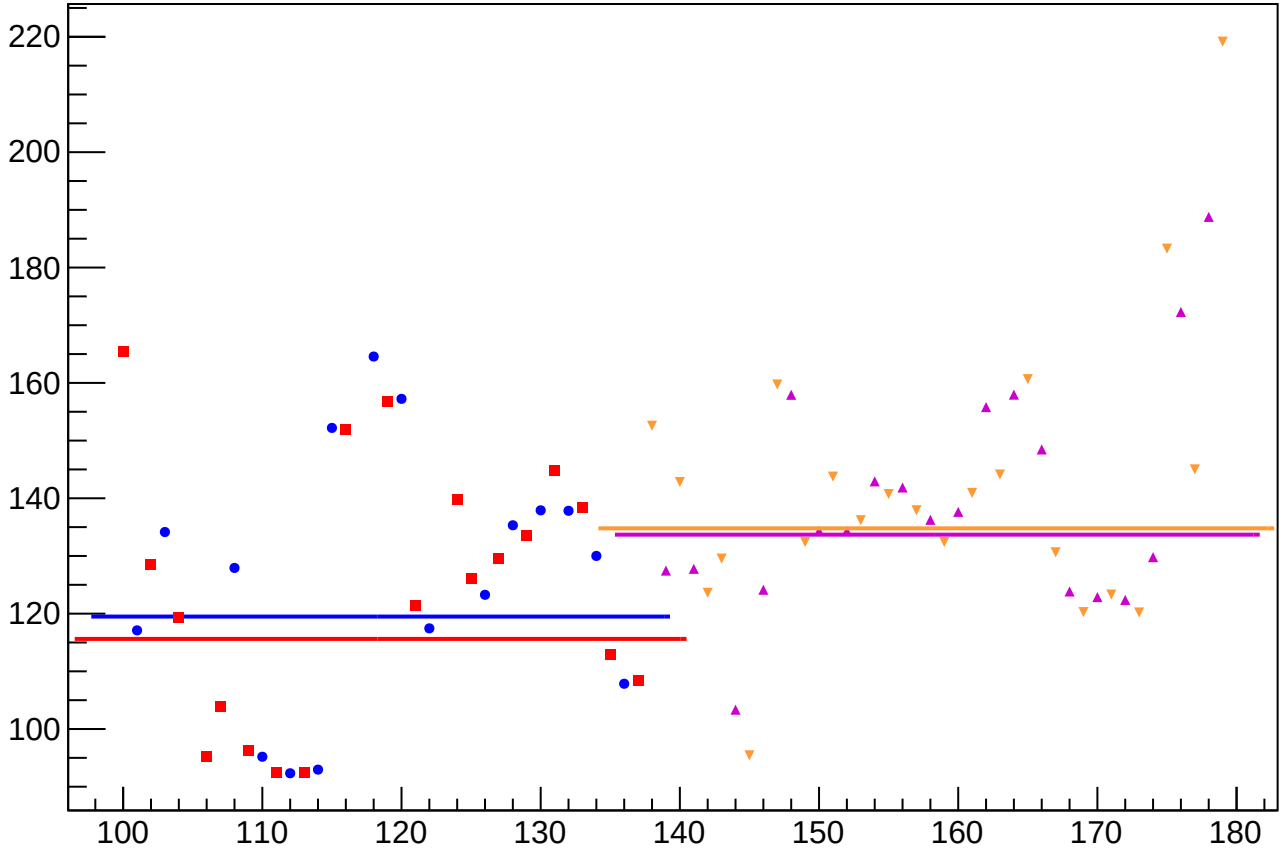
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 216.668+/-26.994 χ^2/NDF:43.1/35

Out: 219.808+/-26.133 χ^2/NDF:34.2/40

All: 218.289+/-18.776 χ^2/NDF: 77.3/76

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 134.788+/-0.023 χ^2/NDF:817836.9/21

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 133.694+/-0.024 χ^2/NDF:523825.5/19

Left: 134.255+/-0.017 χ^2/NDF: 1342747.7/41

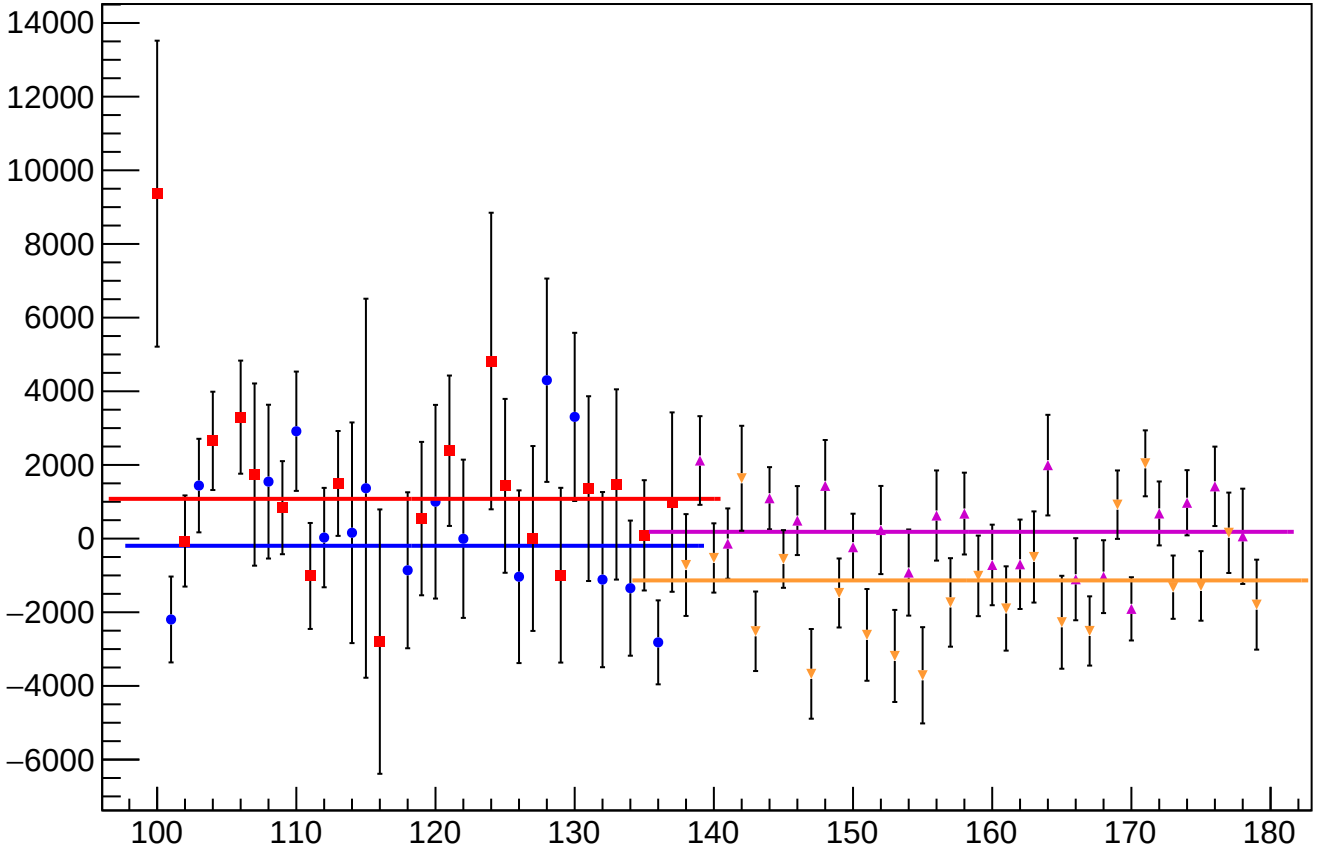
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 128.638+/-0.019 χ^2/NDF:1030953.9/35

Out: 127.782+/-0.018 χ^2/NDF:1494299.8/40

All: 128.196+/-0.013 χ^2/NDF: 2526290.8/76

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1135.447+/-226.956 χ^2/NDF:42.1/21

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 183.973+/-233.178 χ^2/NDF:20.6/19

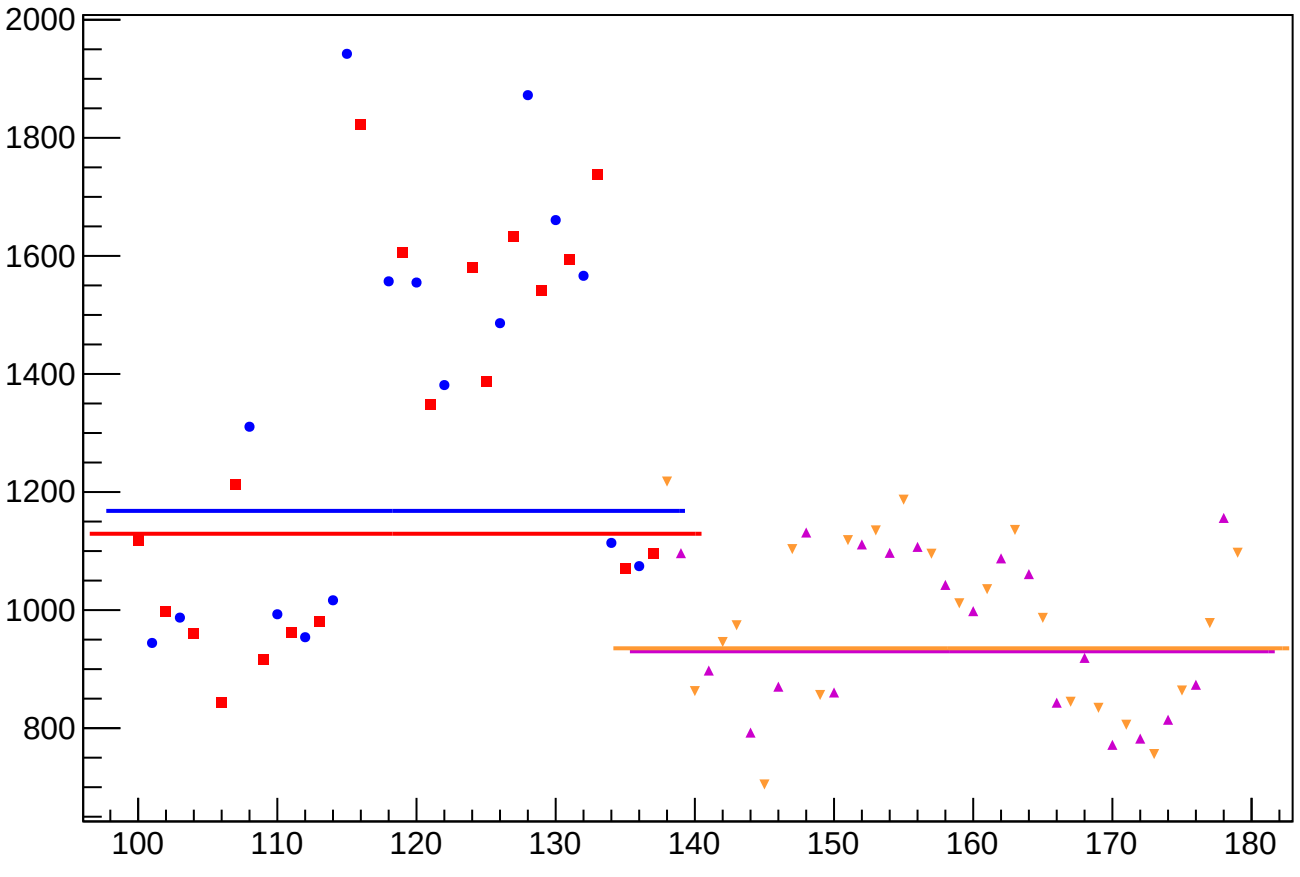
Left: -493.576+/-162.638 χ^2/NDF: 79.2/41

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 102.983+/-206.773 χ^2/NDF:41.6/35

Out: -645.693+/-200.298 χ^2/NDF:77.8/40

All: -283.261+/-143.867 χ^2/NDF: 126.1/76



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 935.278+/-0.160 χ^2/NDF:829405.5/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 930.206+/-0.165 χ^2/NDF:613868.9/19

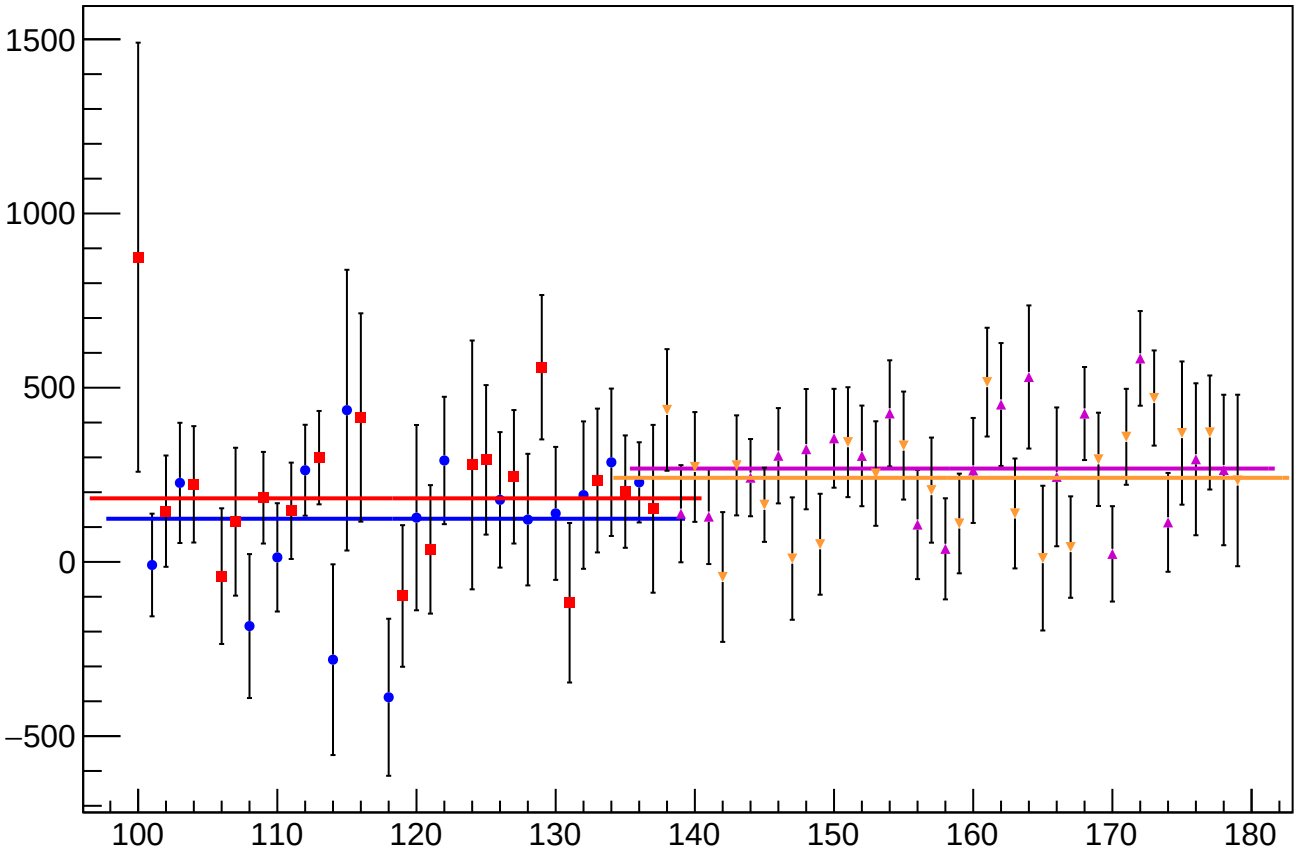
Left: 932.810+/-0.115 χ^2/NDF: 1443760.5/41

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 981.026+/-0.146 χ^2/NDF:1767873.6/35

Out: 978.185+/-0.142 χ^2/NDF:1959891.0/40

All: 979.560+/-0.102 χ^2/NDF: 3727959.5/76



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.324+/-32.808 χ^2/NDF:20.7/21

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.969+/-33.639 χ^2/NDF:21.2/19

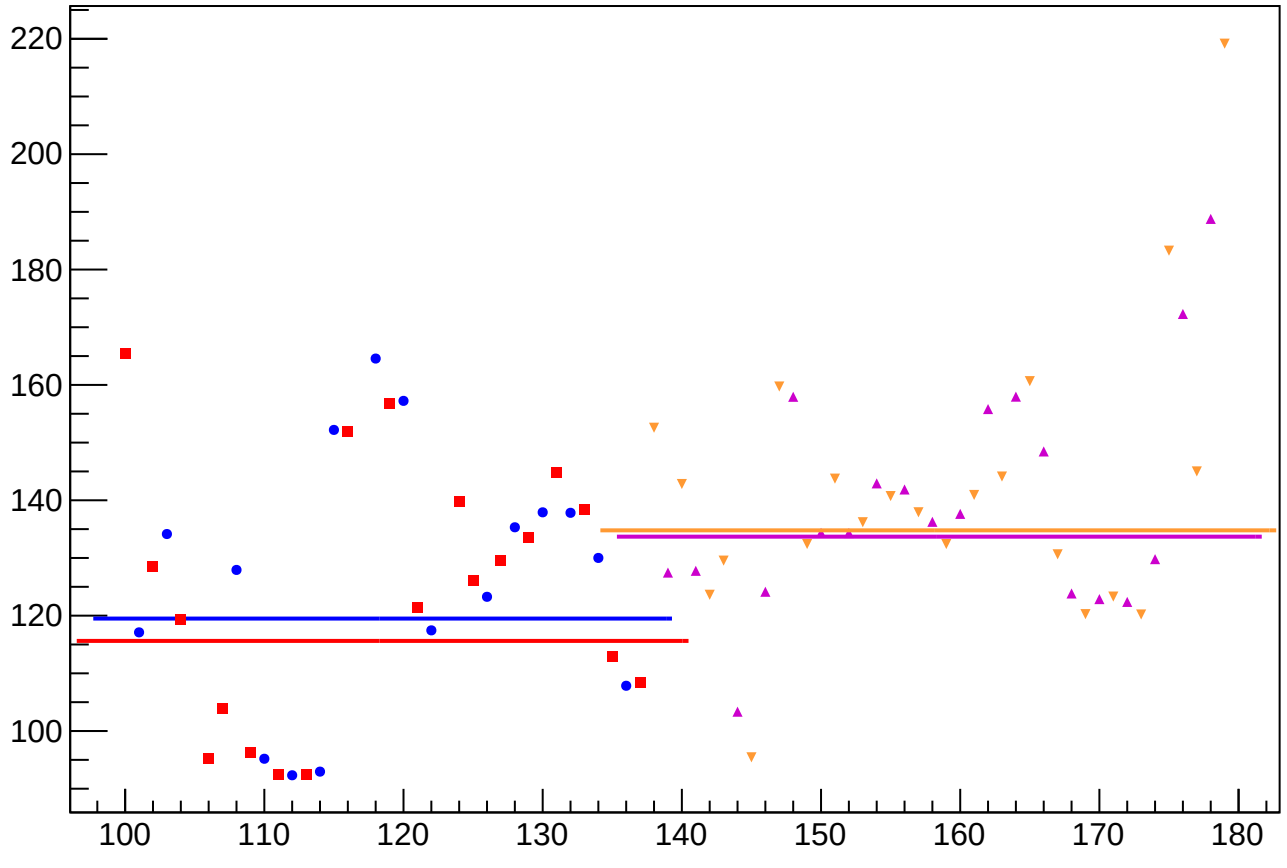
Left: 254.313+/-23.487 χ^2/NDF: 42.2/41

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 216.669+/-26.994 χ^2/NDF:43.1/35

Out: 219.810+/-26.133 χ^2/NDF:34.2/40

All: 218.291+/-18.776 χ^2/NDF: 77.3/76



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 134.788+/-0.023 χ^2/NDF:817842.0/21

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 133.694+/-0.024 χ^2/NDF:523818.8/19

Left: 134.255+/-0.017 χ^2/NDF: 1342746.0/41

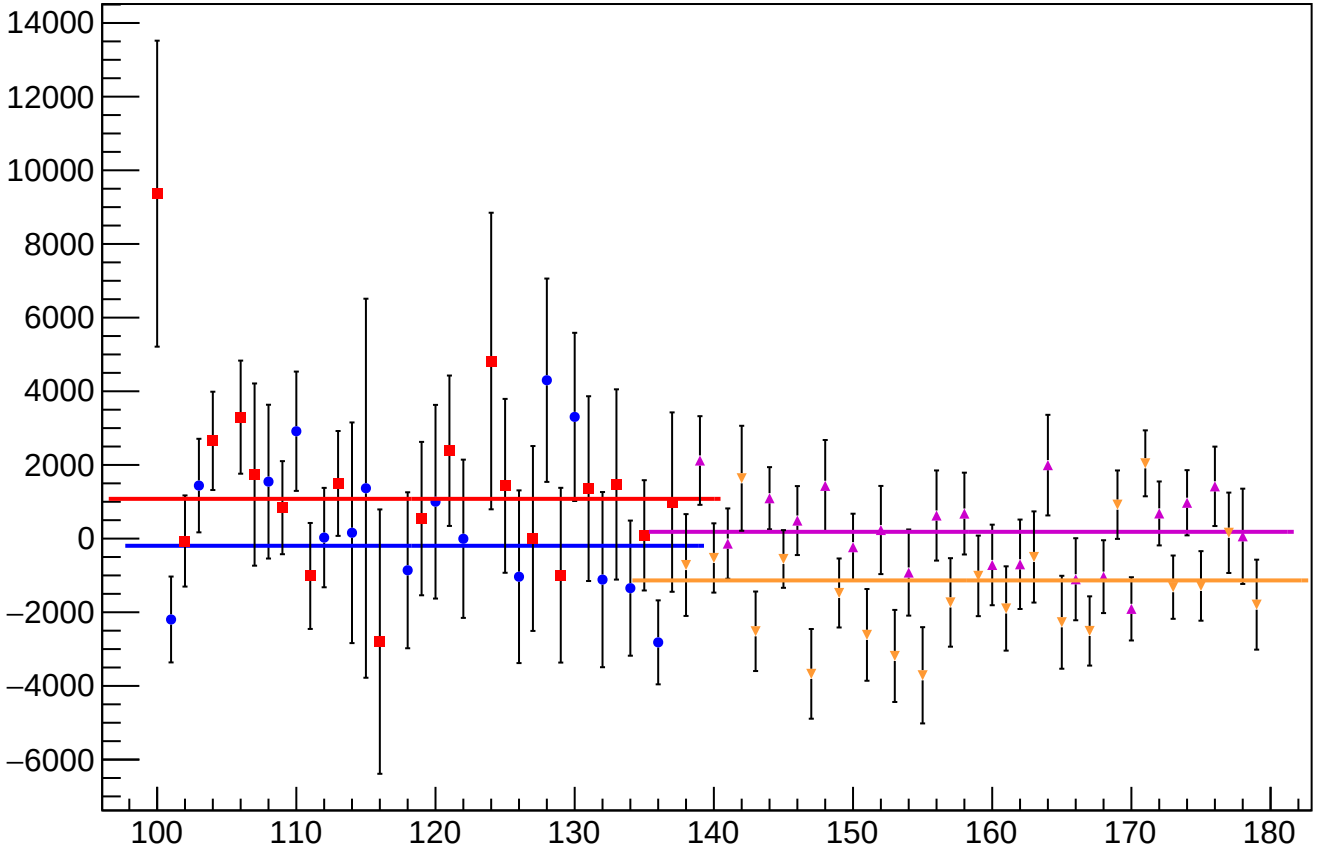
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 128.638+/-0.019 χ^2/NDF:1030950.2/35

Out: 127.782+/-0.018 χ^2/NDF:1494310.9/40

All: 128.196+/-0.013 χ^2/NDF: 2526298.2/76

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1135.445+/-226.956 χ^2/NDF:42.1/21

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 183.972+/-233.178 χ^2/NDF:20.6/19

Left: -493.575+/-162.637 χ^2/NDF: 79.2/41

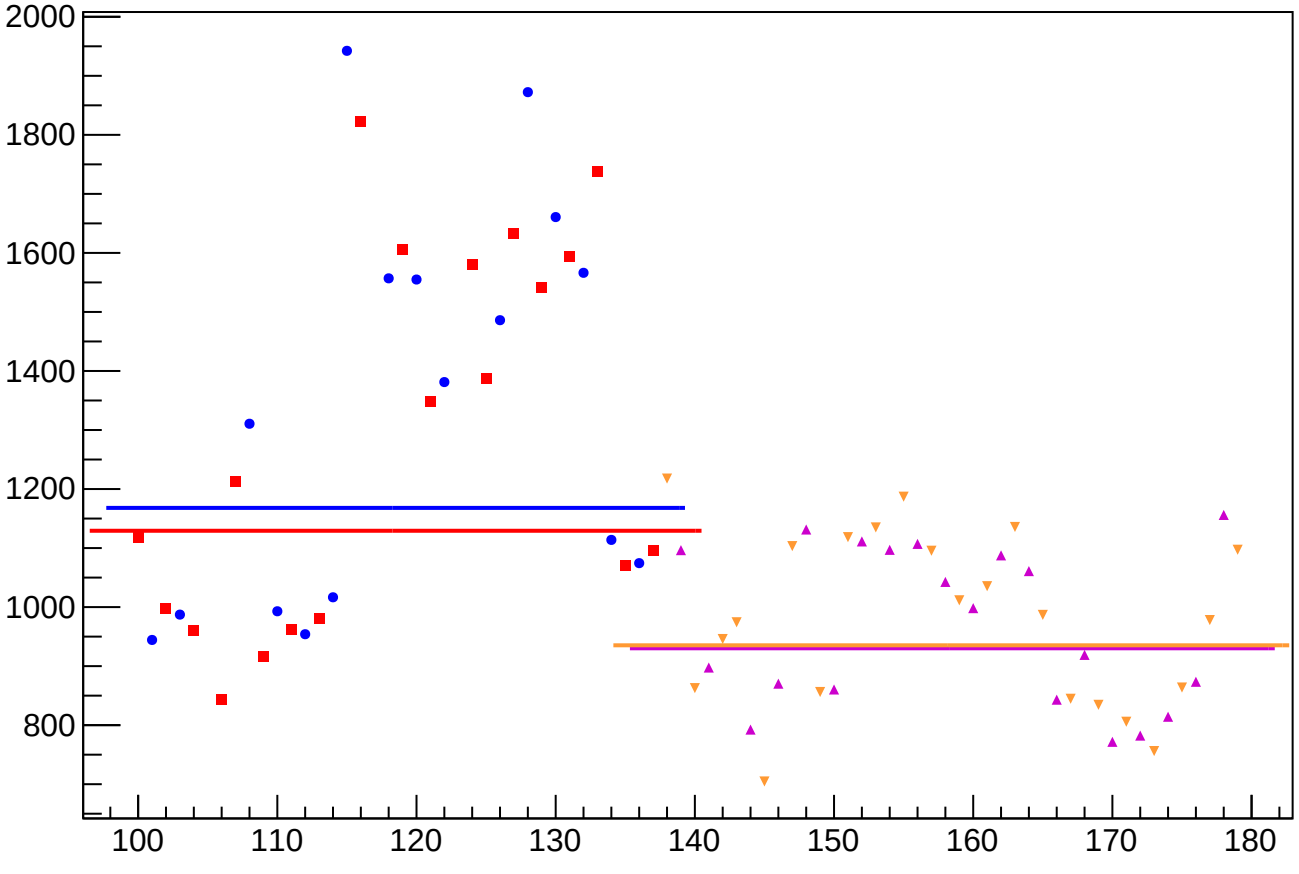
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 102.982+/-206.773 χ^2/NDF:41.6/35

Out: -645.692+/-200.298 χ^2/NDF:77.8/40

All: -283.260+/-143.866 χ^2/NDF: 126.1/76

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 935.277+/-0.160 χ^2/NDF:829408.1/21

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 930.205+/-0.165 χ^2/NDF:613868.7/19

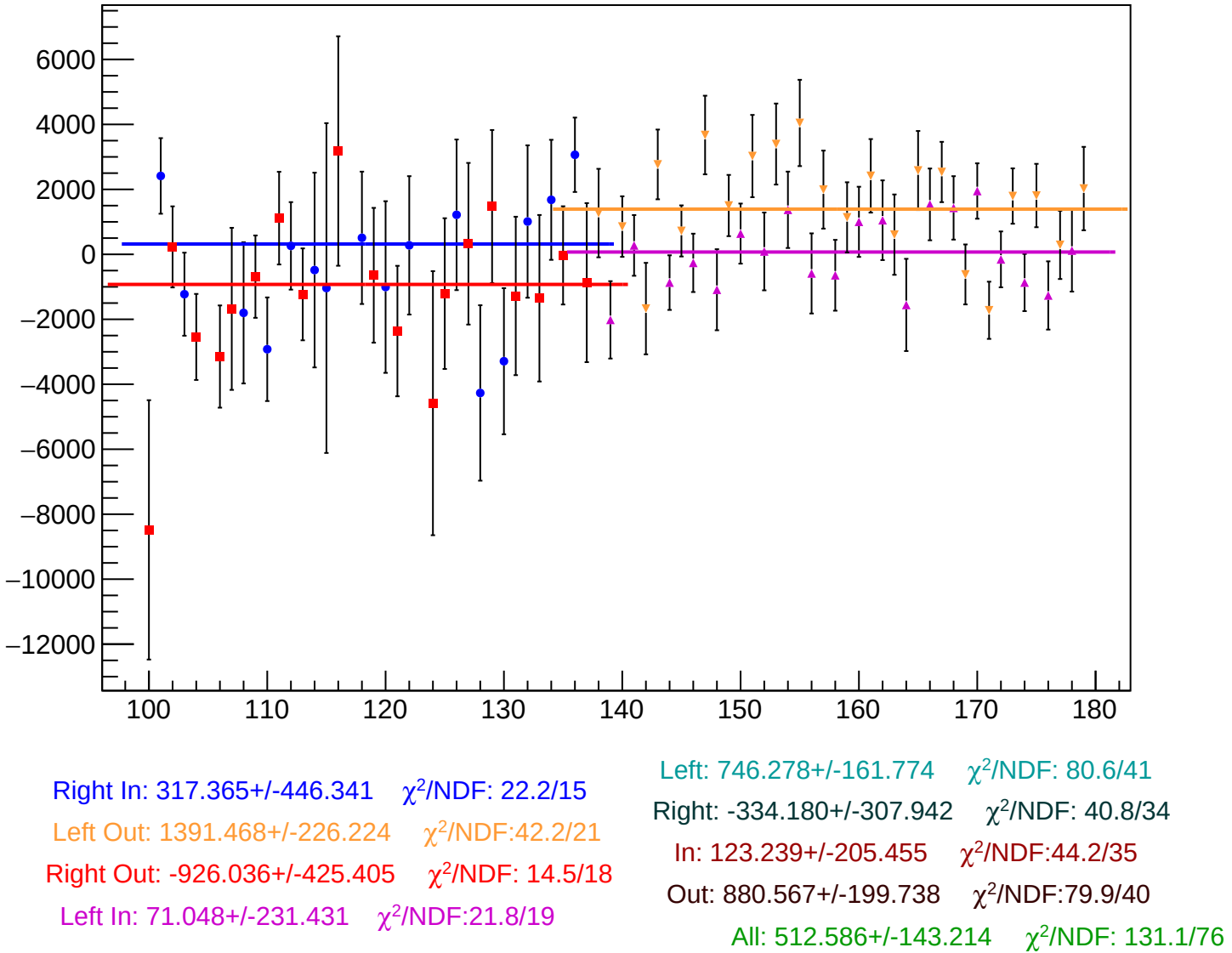
Left: 932.809+/-0.115 χ^2/NDF: 1443762.8/41

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

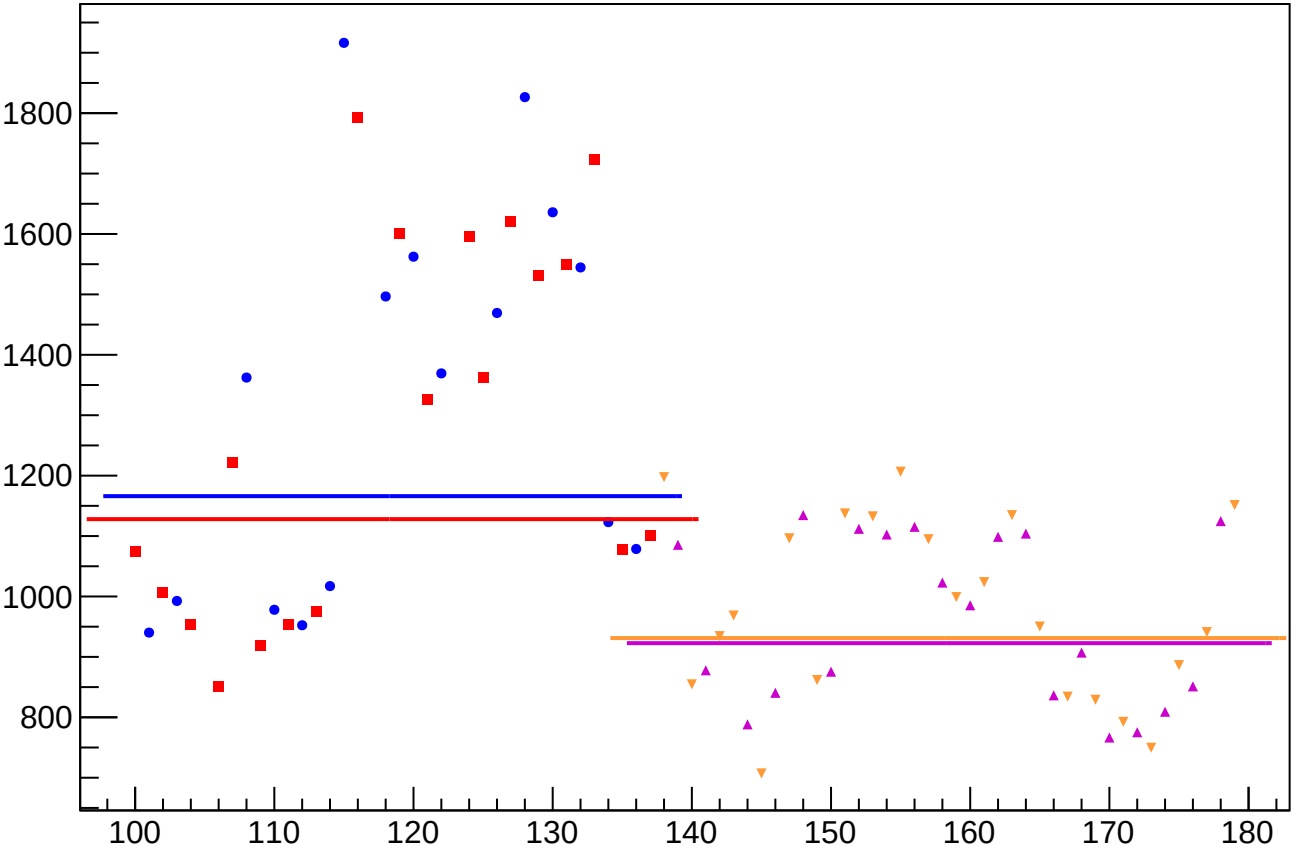
In: 981.025+/-0.146 χ^2/NDF:1767878.4/35

Out: 978.184+/-0.142 χ^2/NDF:1959897.9/40

All: 979.559+/-0.102 χ^2/NDF: 3727971.2/76


asym_sam_48_dd_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1391.468+/-226.224 χ²/NDF:42.2/21
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: 71.048+/-231.431 χ²/NDF:21.8/19
Left: 746.278+/-161.774 χ²/NDF: 80.6/41
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: 123.239+/-205.455 χ²/NDF:44.2/35
Out: 880.567+/-199.738 χ²/NDF:79.9/40
All: 512.586+/-143.214 χ²/NDF: 131.1/76

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 931.160+/-0.160 χ^2/NDF:856733.0/21

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 922.758+/-0.164 χ^2/NDF:647982.9/19

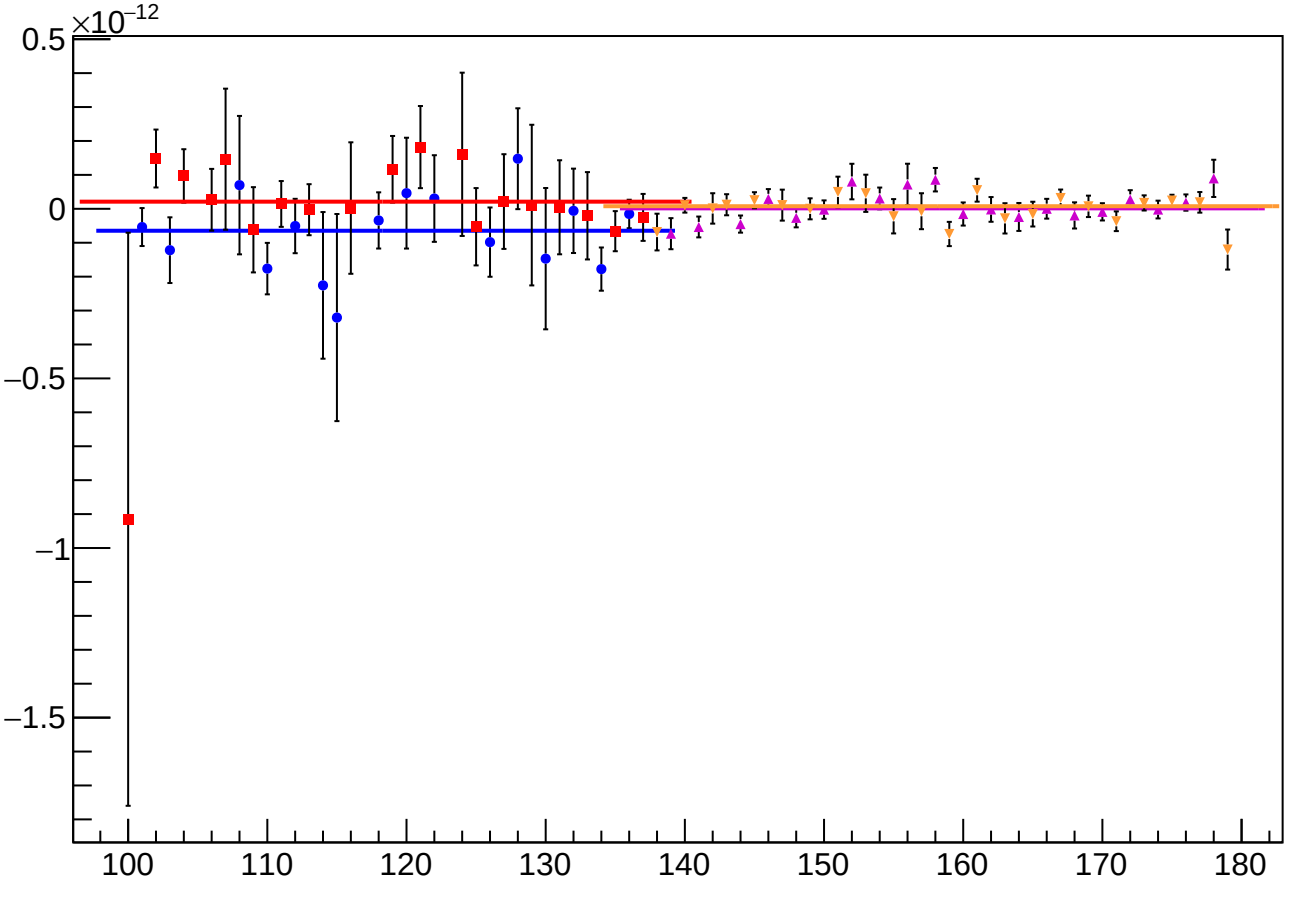
Left: 927.054+/-0.114 χ^2/NDF: 1506063.9/41

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 974.309+/-0.145 χ^2/NDF:1793392.6/35

Out: 974.555+/-0.141 χ^2/NDF:1966329.2/40

All: 974.435+/-0.101 χ^2/NDF: 3759723.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:26.7/19

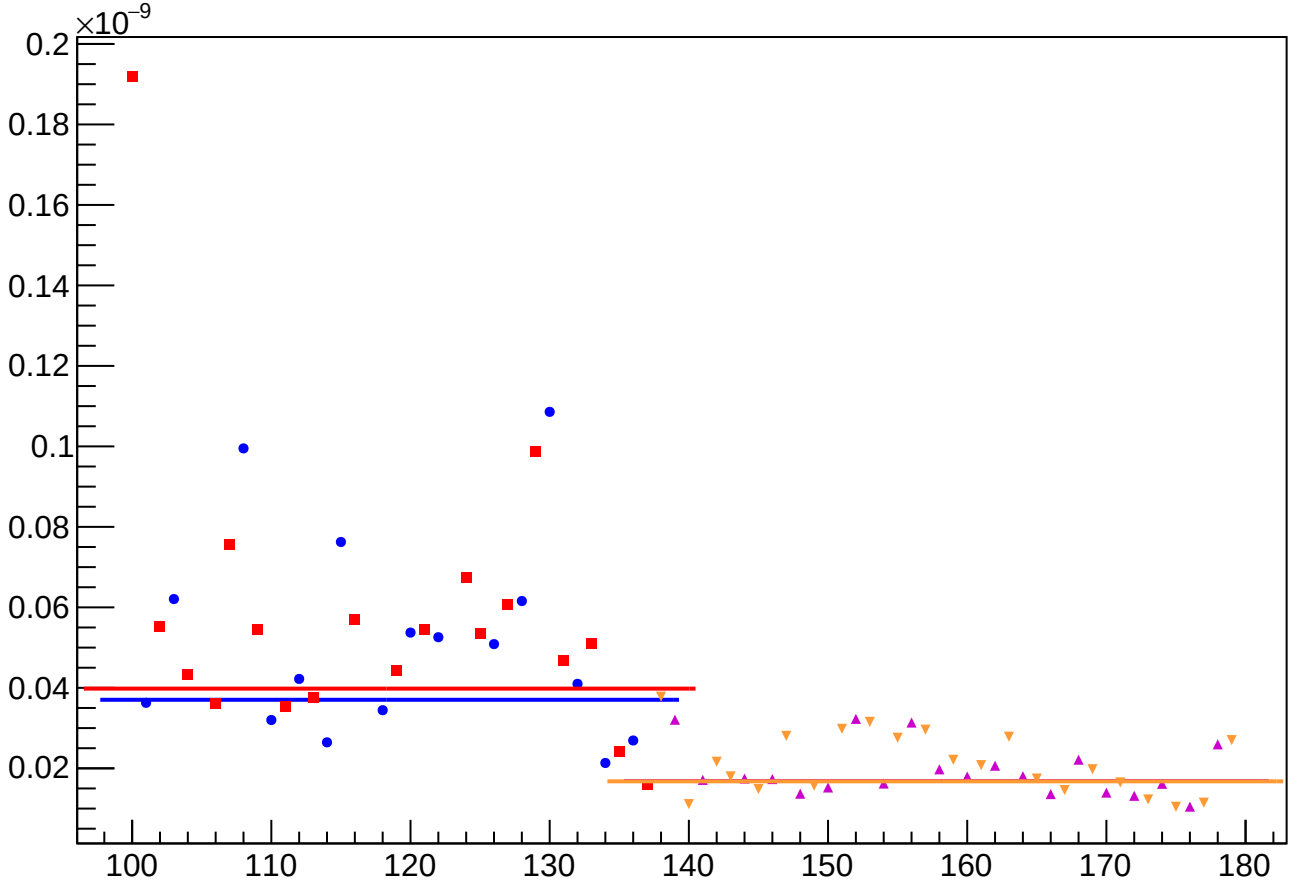
Left: 0.000+/-0.000 χ^2/NDF: 48.9/41

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:47.4/35

Out: 0.000+/-0.000 χ^2/NDF:33.7/40

All: 0.000+/-0.000 χ^2/NDF: 83.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1822500.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:903728.2/19

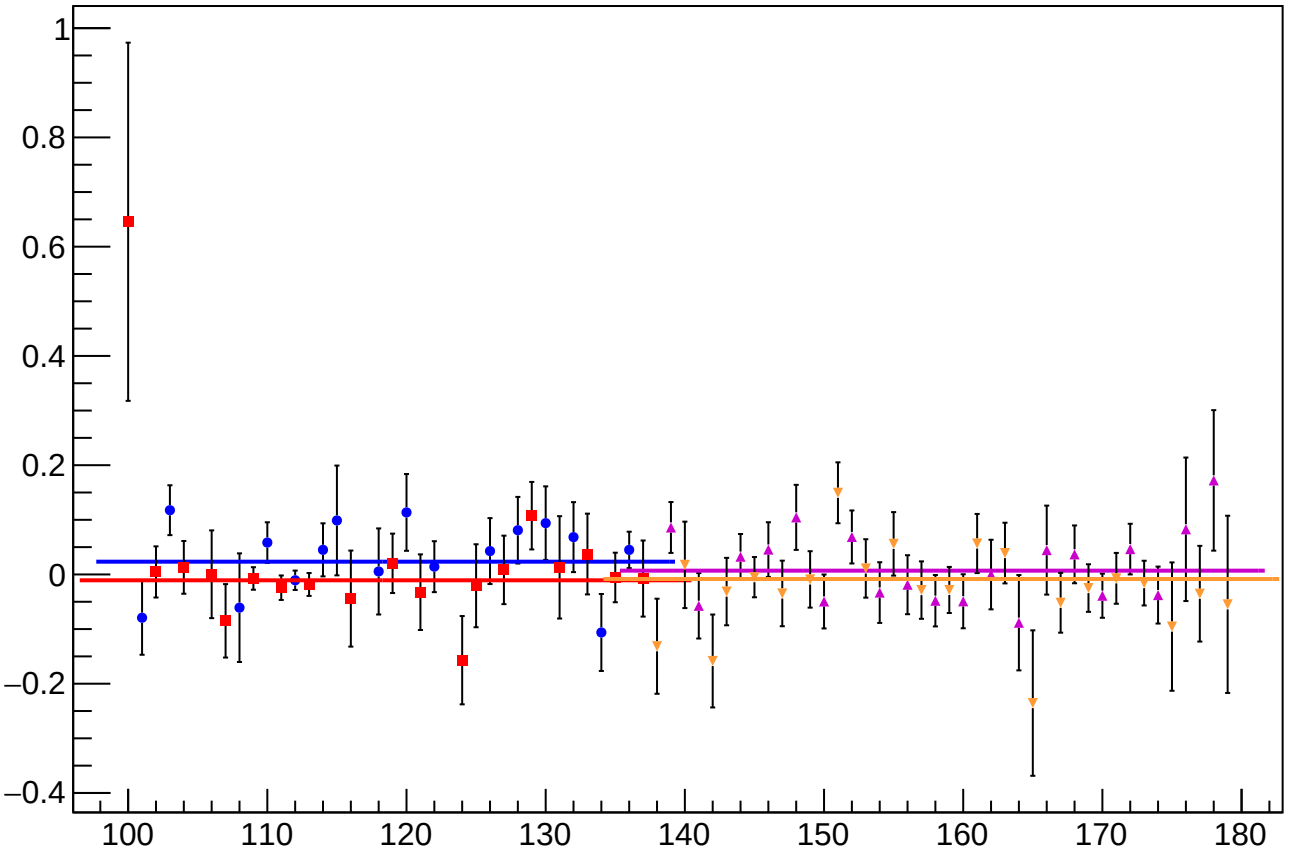
Left: 0.000+/-0.000 χ^2/NDF: 2726386.5/41

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3443339.4/35

Out: 0.000+/-0.000 χ^2/NDF:4558974.9/40

All: 0.000+/-0.000 χ^2/NDF: 8003543.1/76



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:20.5/19

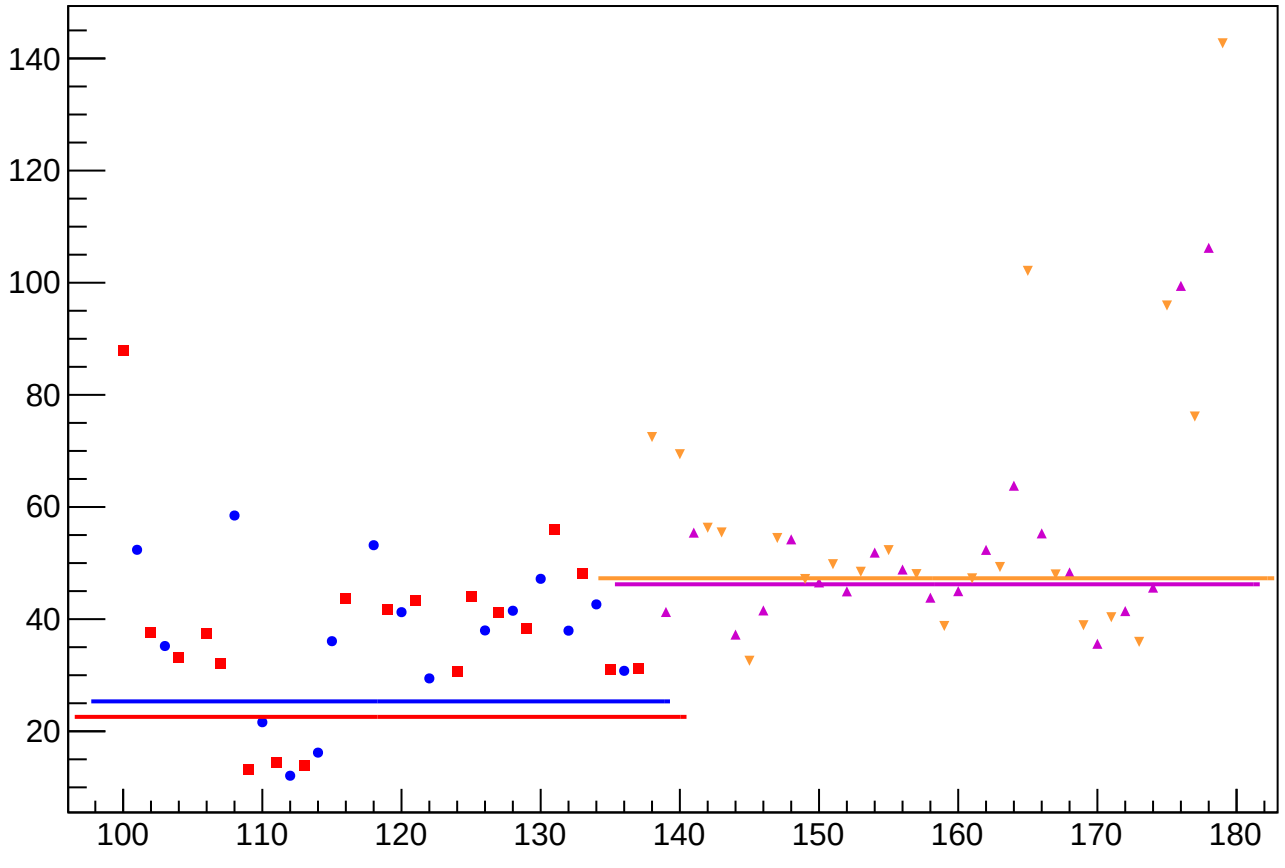
Left: -0.001+/-0.009 χ^2/NDF: 43.2/41

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 83.7/76



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696994.0/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.216+/-0.009 χ^2/NDF:1301117.3/19

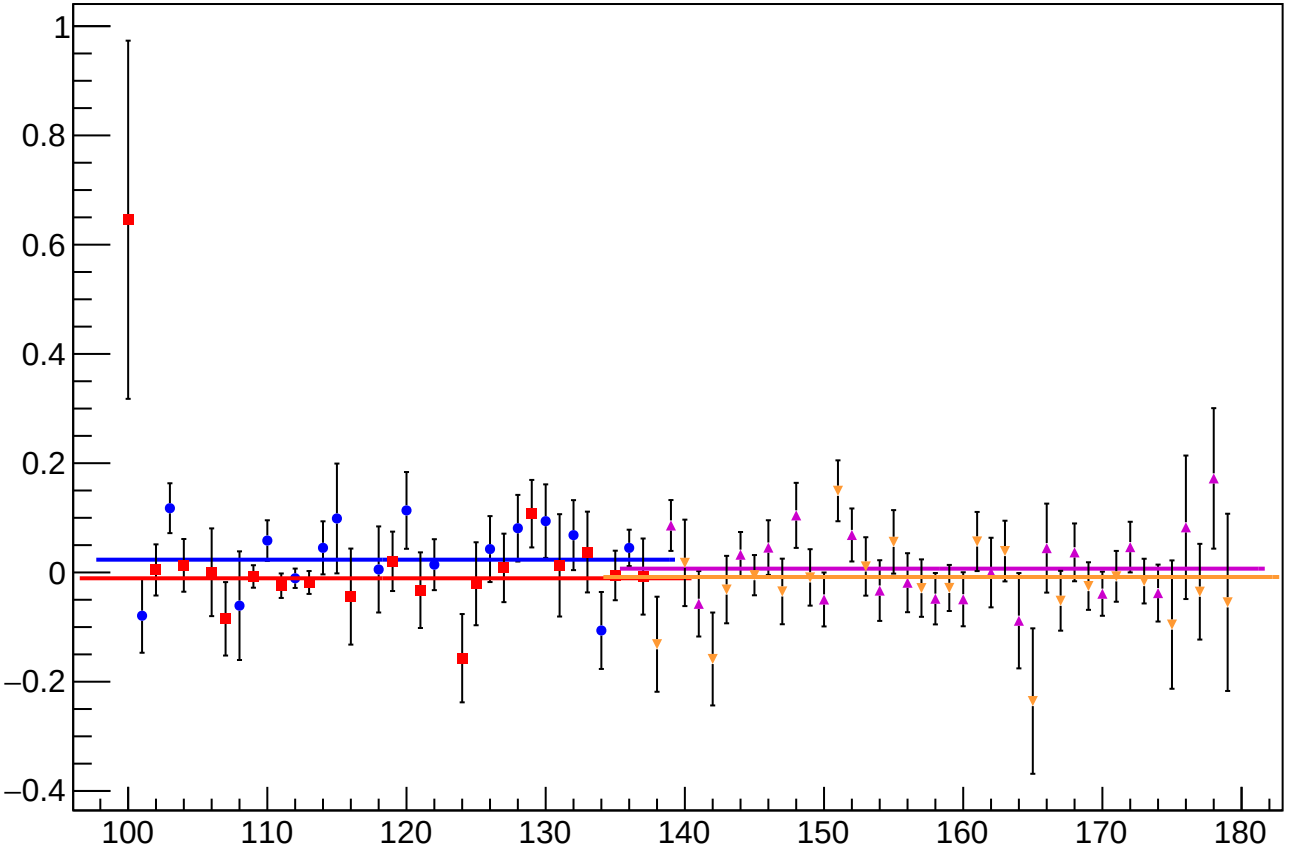
Left: 46.755+/-0.006 χ^2/NDF: 4006008.9/41

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.835+/-0.006 χ^2/NDF:7464946.3/35

Out: 32.389+/-0.005 χ^2/NDF:10888404.0/40

All: 33.525+/-0.004 χ^2/NDF: 18449330.9/76



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:20.5/19

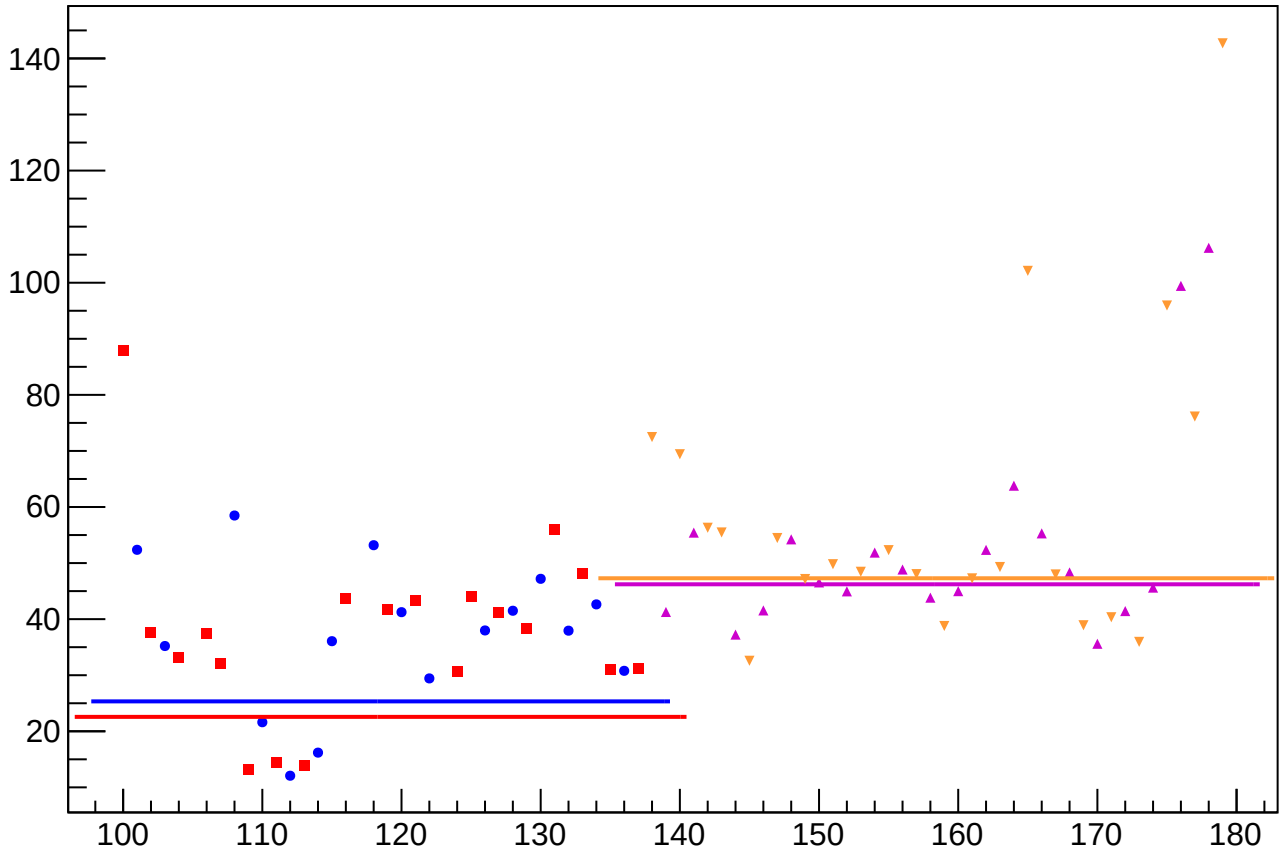
Left: -0.001+/-0.009 χ^2/NDF: 43.2/41

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 83.7/76



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696994.0/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.216+/-0.009 χ^2/NDF:1301117.3/19

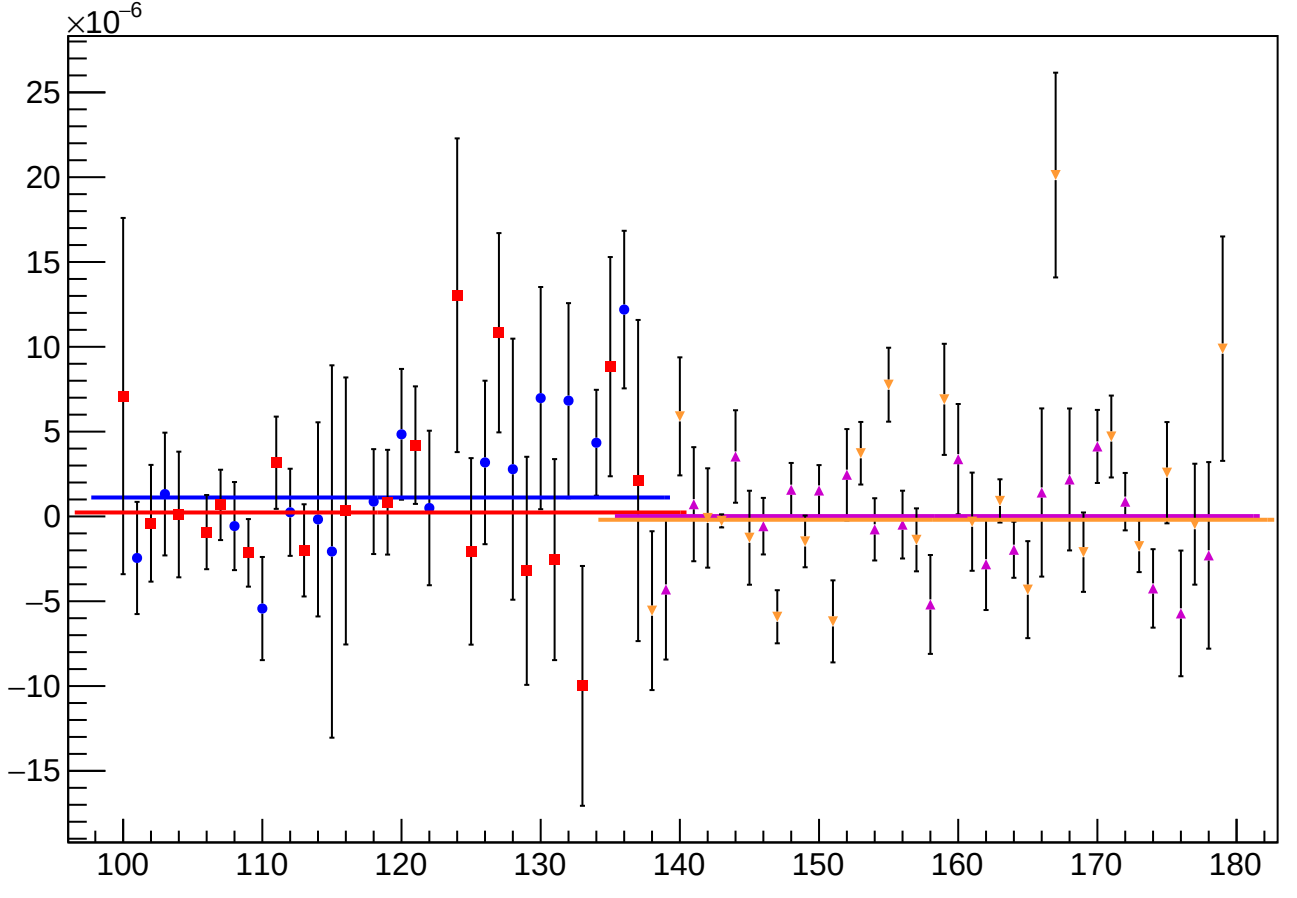
Left: 46.755+/-0.006 χ^2/NDF: 4006008.9/41

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.835+/-0.006 χ^2/NDF:7464946.3/35

Out: 32.389+/-0.005 χ^2/NDF:10888404.0/40

All: 33.525+/-0.004 χ^2/NDF: 18449330.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:70.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:23.0/19

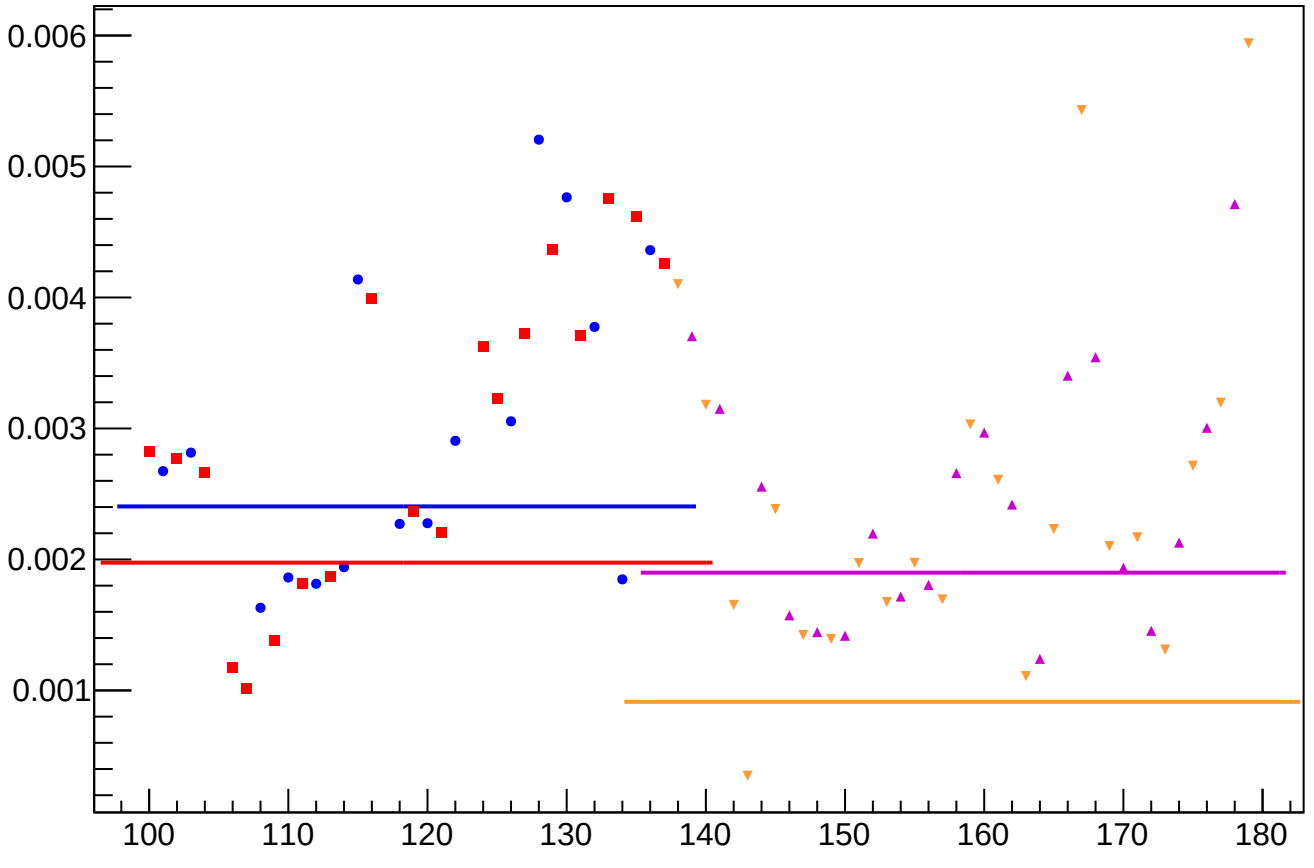
Left: -0.000+/-0.000 χ^2/NDF: 94.0/41

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:40.2/35

Out: -0.000+/-0.000 χ^2/NDF:86.3/40

All: -0.000+/-0.000 χ^2/NDF: 127.1/76



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:15721310.6/21

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:3368363.3/19

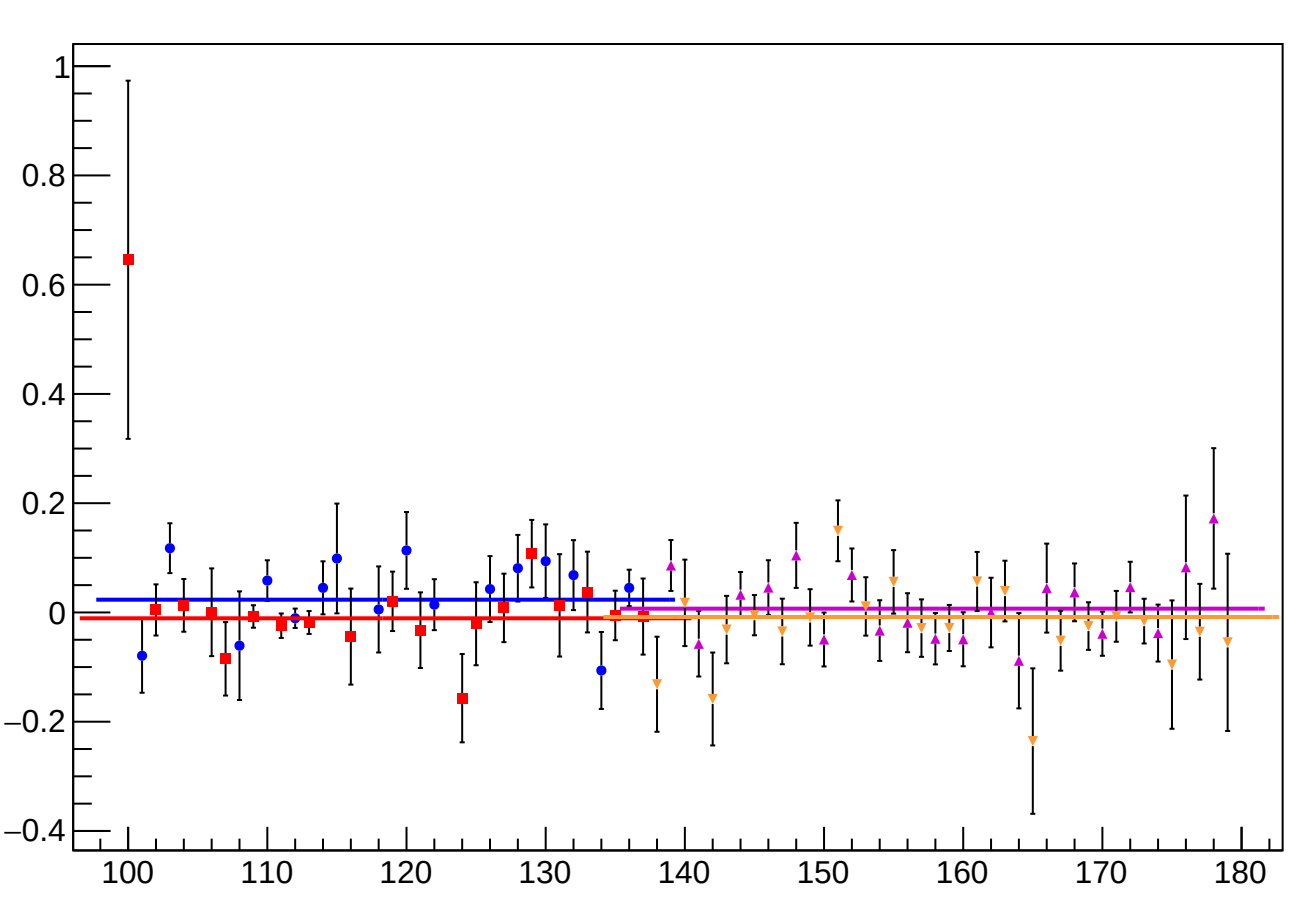
Left: 0.001+/-0.000 χ^2/NDF: 24612980.8/41

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:5376939.3/35

Out: 0.001+/-0.000 χ^2/NDF:21498778.7/40

All: 0.001+/-0.000 χ^2/NDF: 33500329.8/76



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:20.5/19

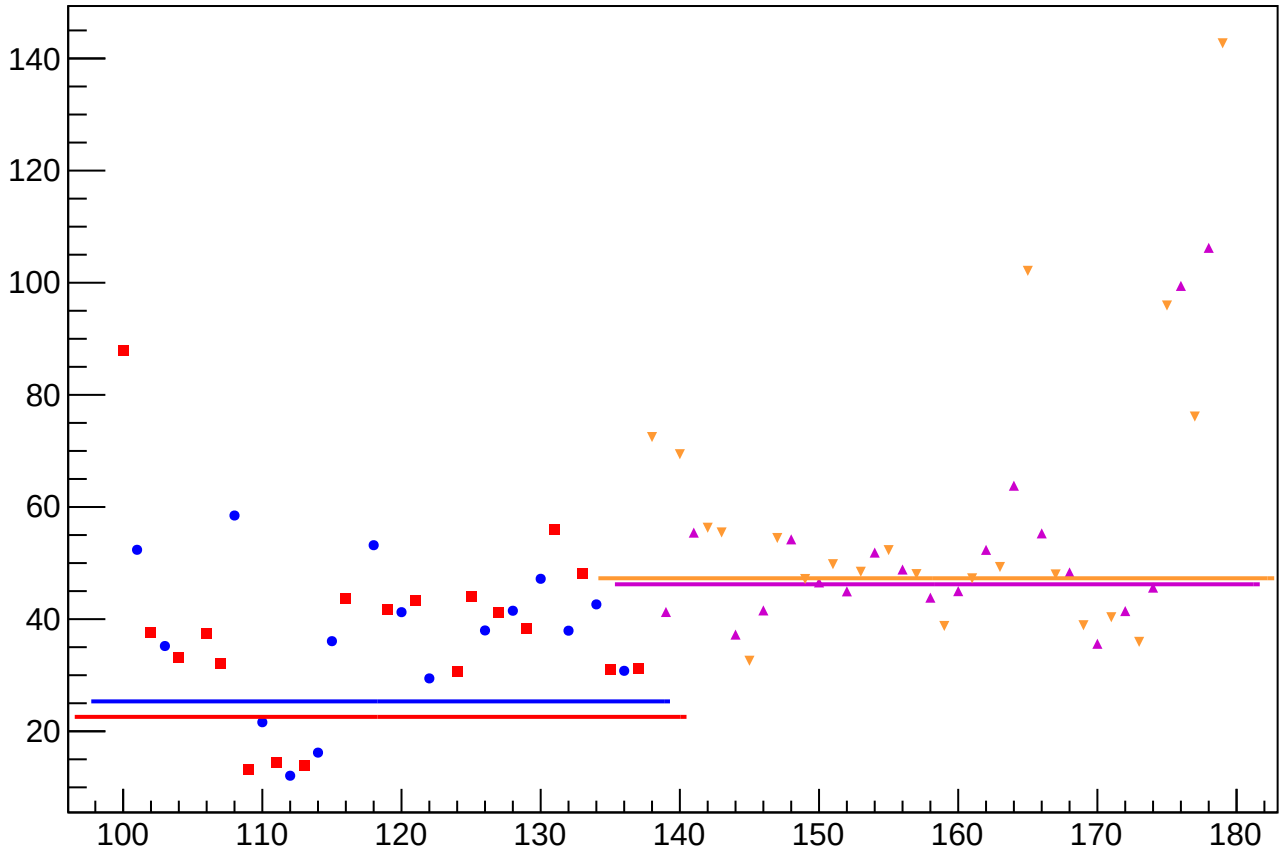
Left: -0.001+/-0.009 χ^2/NDF: 43.2/41

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 83.7/76



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696964.1/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.216+/-0.009 χ^2/NDF:1301084.6/19

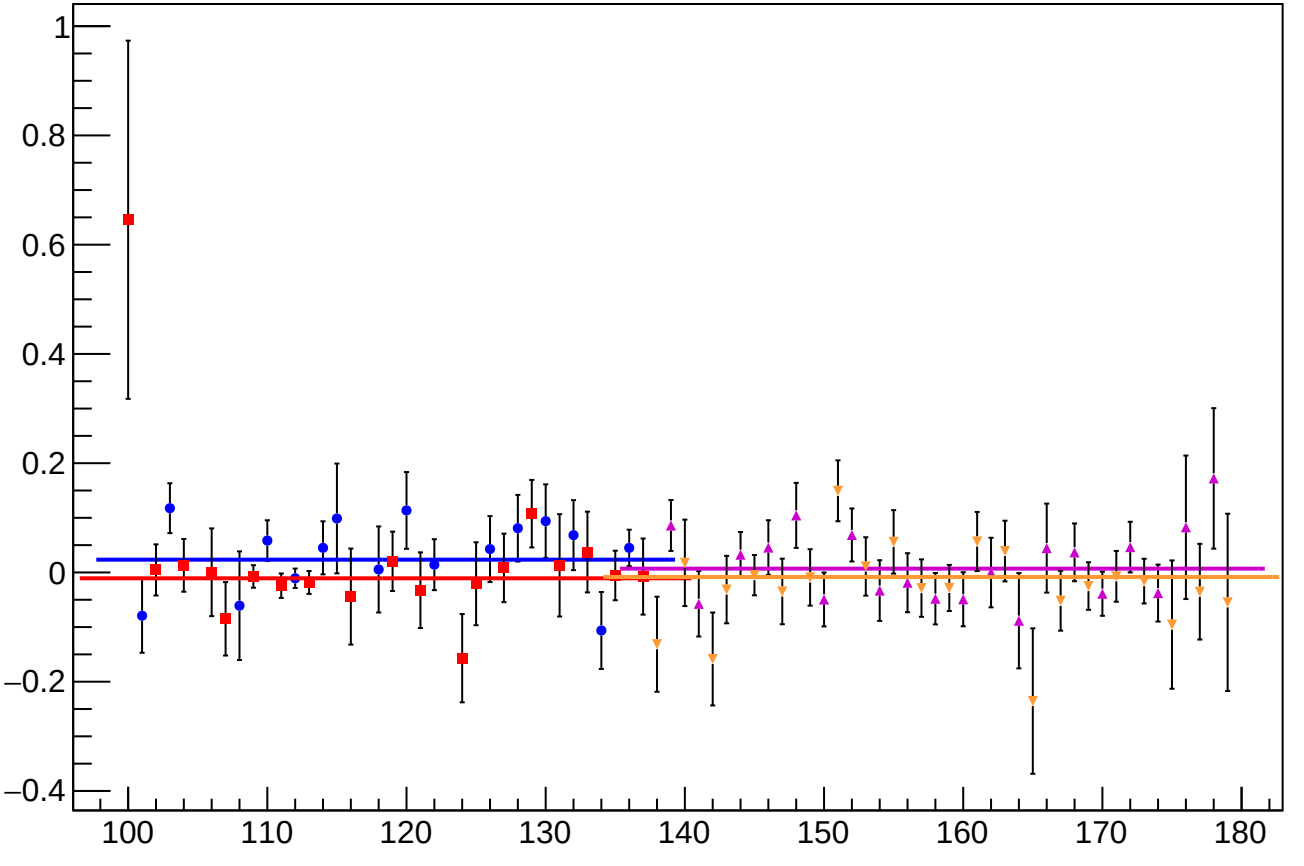
Left: 46.755+/-0.006 χ^2/NDF: 4005946.3/41

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.834+/-0.006 χ^2/NDF:7465891.7/35

Out: 32.388+/-0.005 χ^2/NDF:10888753.3/40

All: 33.524+/-0.004 χ^2/NDF: 18450570.2/76



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.9/21

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.012 χ^2/NDF:20.5/19

Left: -0.001+/-0.009 χ^2/NDF: 43.2/41

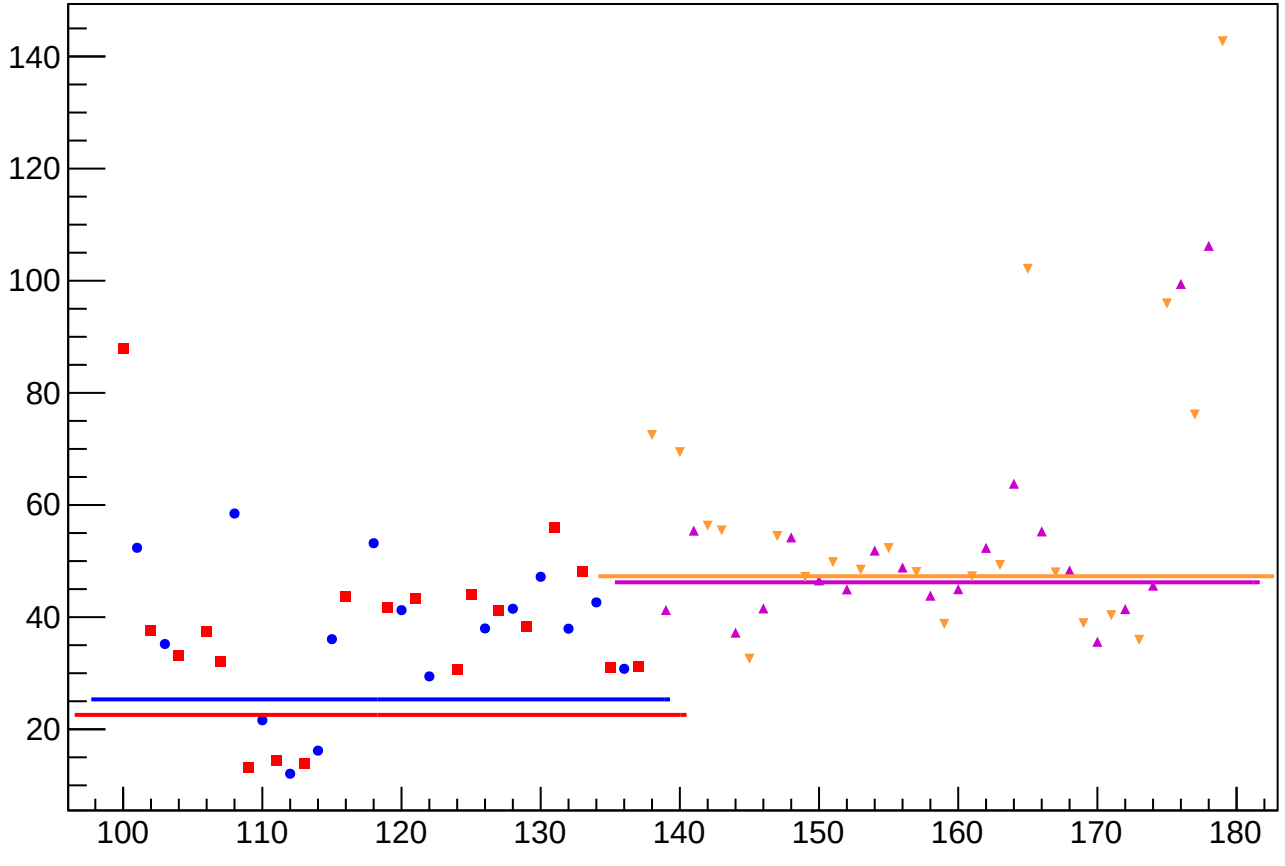
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.2/40

All: 0.002+/-0.006 χ^2/NDF: 83.7/76

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.291+/-0.009 χ^2/NDF:2696964.1/21

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.216+/-0.009 χ^2/NDF:1301084.6/19

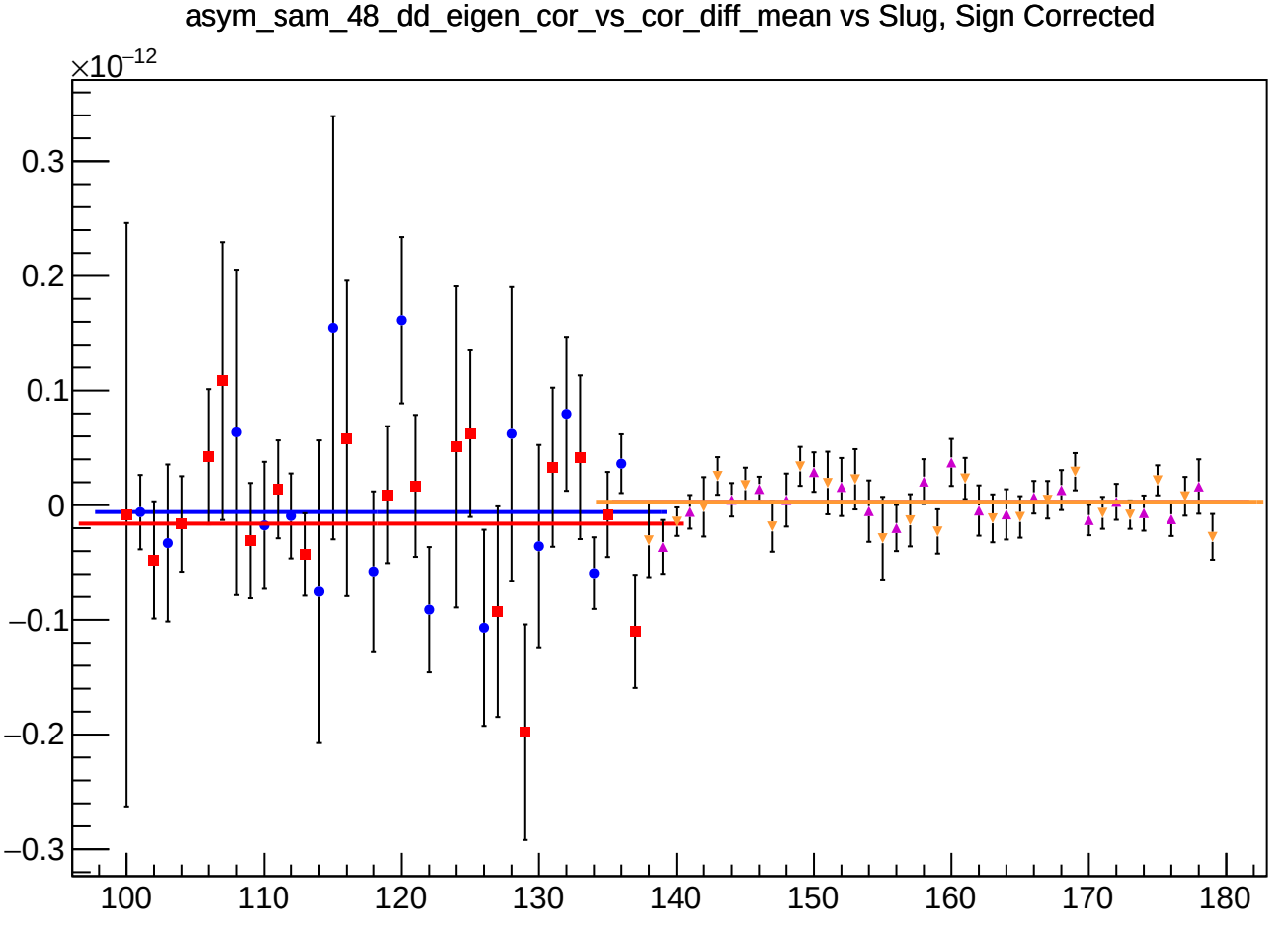
Left: 46.755+/-0.006 χ^2/NDF: 4005946.3/41

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.834+/-0.006 χ^2/NDF:7465891.7/35

Out: 32.388+/-0.005 χ^2/NDF:10888753.3/40

All: 33.524+/-0.004 χ^2/NDF: 18450570.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/19

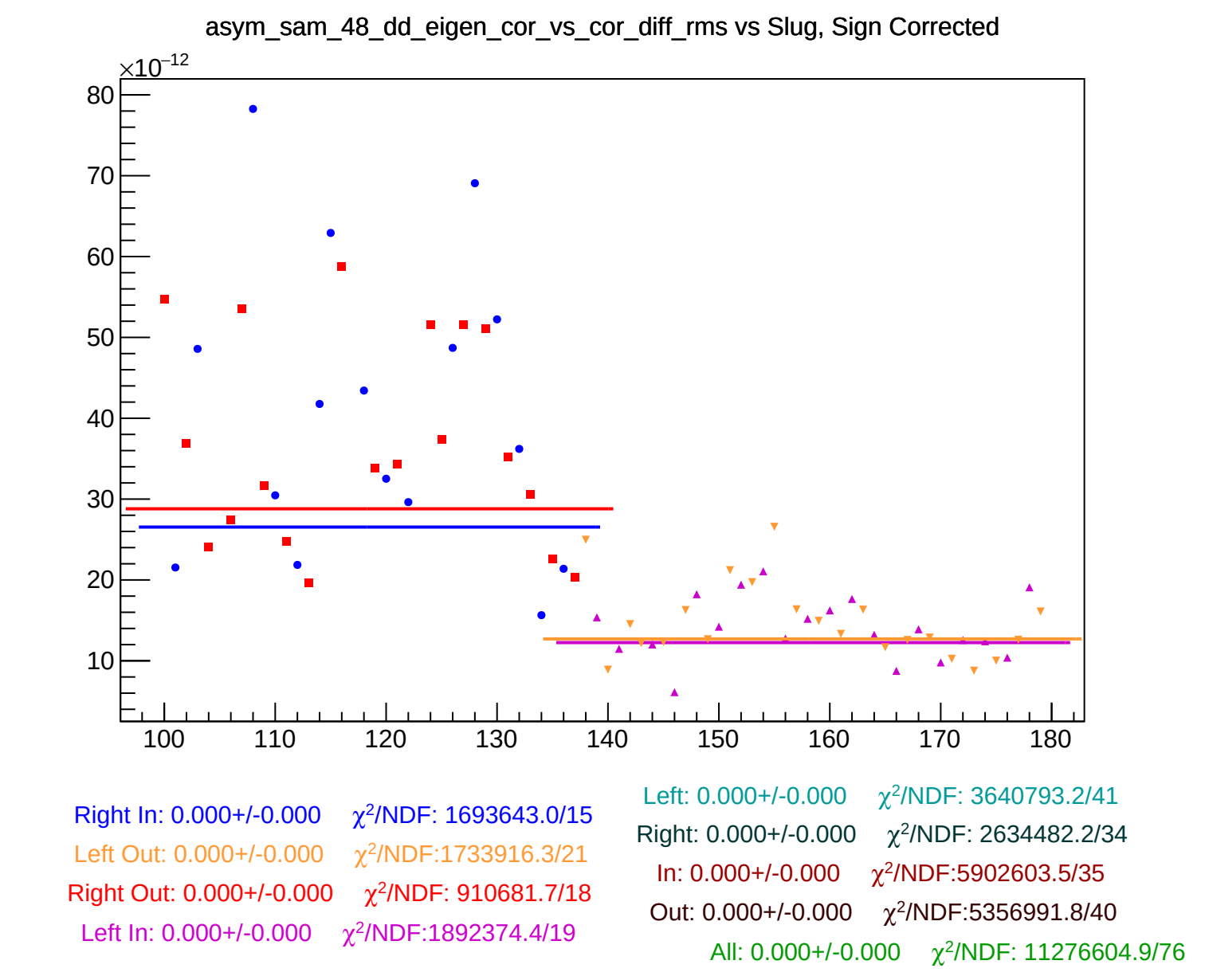
Left: 0.000+/-0.000 χ^2/NDF: 40.6/41

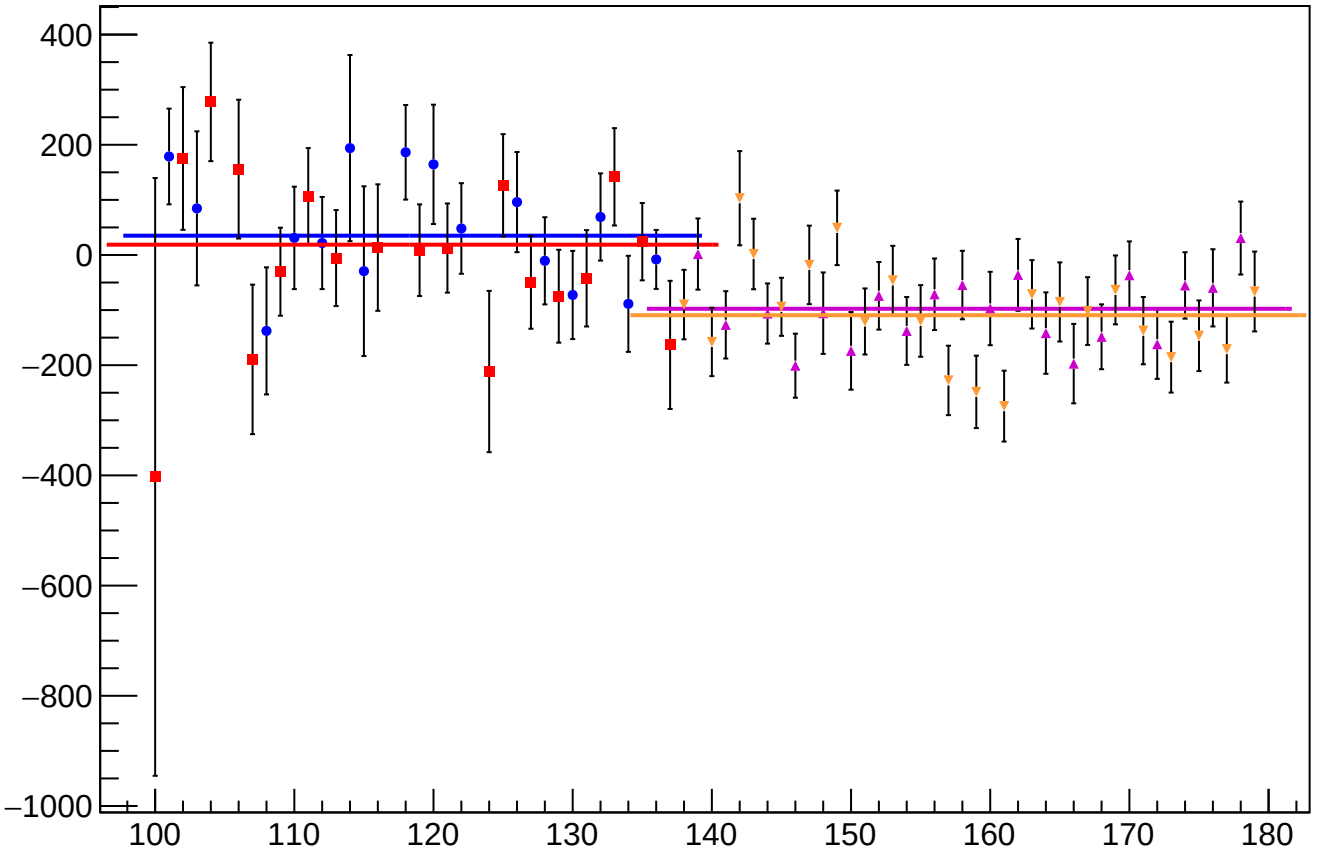
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:35.1/35

Out: 0.000+/-0.000 χ^2/NDF:41.7/40

All: 0.000+/-0.000 χ^2/NDF: 76.8/76


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1733916.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1892374.4/19
Left: 0.000+/-0.000 χ²/NDF: 3640793.2/41
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5902603.5/35
Out: 0.000+/-0.000 χ²/NDF:5356991.8/40
All: 0.000+/-0.000 χ²/NDF: 11276604.9/76



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.325+/-13.671 χ^2/NDF:37.1/21

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -97.639+/-14.289 χ^2/NDF:18.7/19

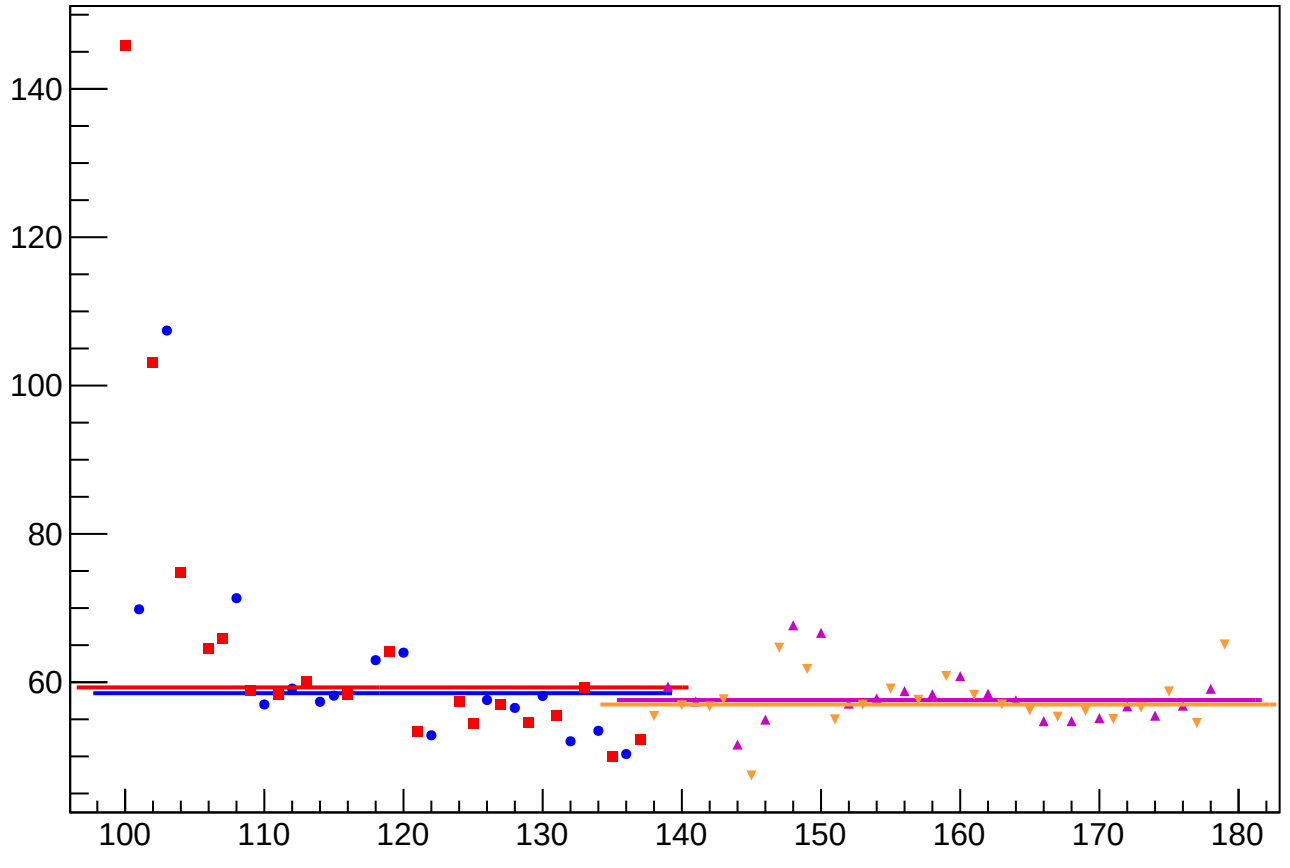
Left: -103.740+/-9.878 χ^2/NDF: 56.2/41

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -58.617+/-12.005 χ^2/NDF:60.2/35

Out: -73.982+/-11.631 χ^2/NDF:84.9/40

All: -66.543+/-8.354 χ^2/NDF: 145.9/76



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

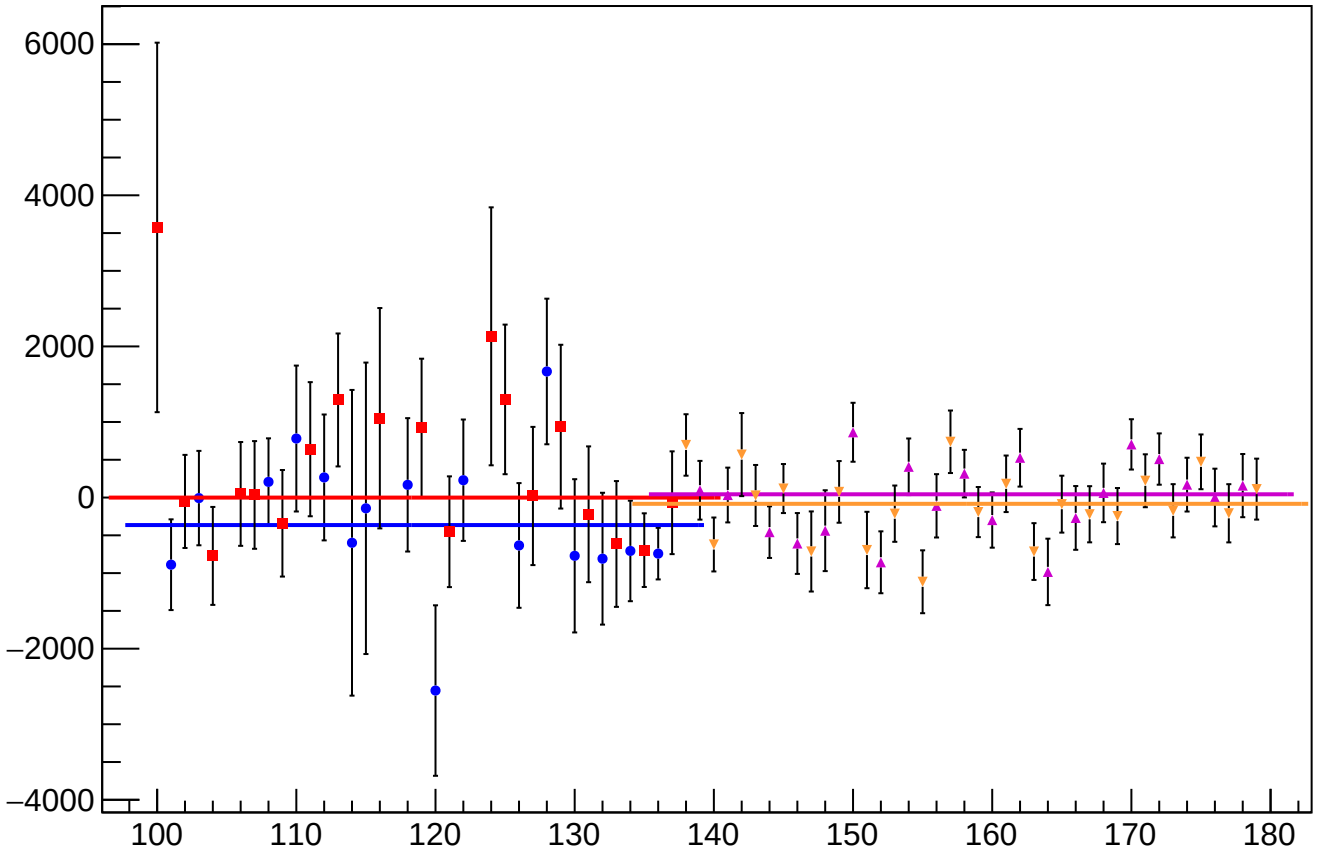
Left: 57.285+/-0.007 χ^2/NDF: 270077.2/41

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.870+/-0.008 χ^2/NDF:516559.4/35

Out: 57.633+/-0.008 χ^2/NDF:569161.4/40

All: 57.748+/-0.006 χ^2/NDF: 1086121.6/76



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -83.041+/-82.549 χ^2/NDF:28.3/21

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 43.155+/-85.167 χ^2/NDF:31.2/19

Left: -21.912+/-59.275 χ^2/NDF: 60.7/41

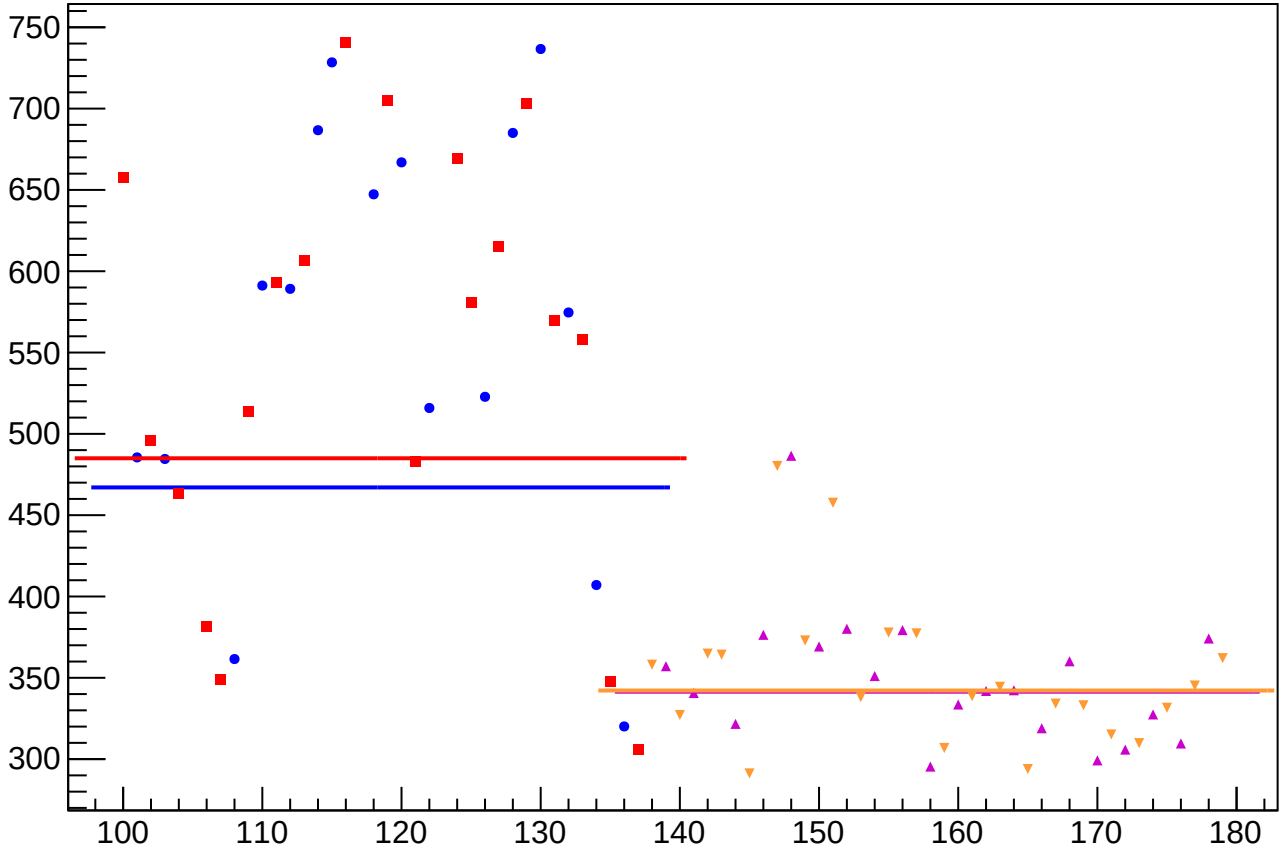
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -30.931+/-77.031 χ^2/NDF:50.6/35

Out: -69.108+/-75.253 χ^2/NDF:43.6/40

All: -50.465+/-53.830 χ^2/NDF: 94.3/76

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 342.187+/-0.058 χ^2/NDF:439582.2/21

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 341.454+/-0.060 χ^2/NDF:355253.7/19

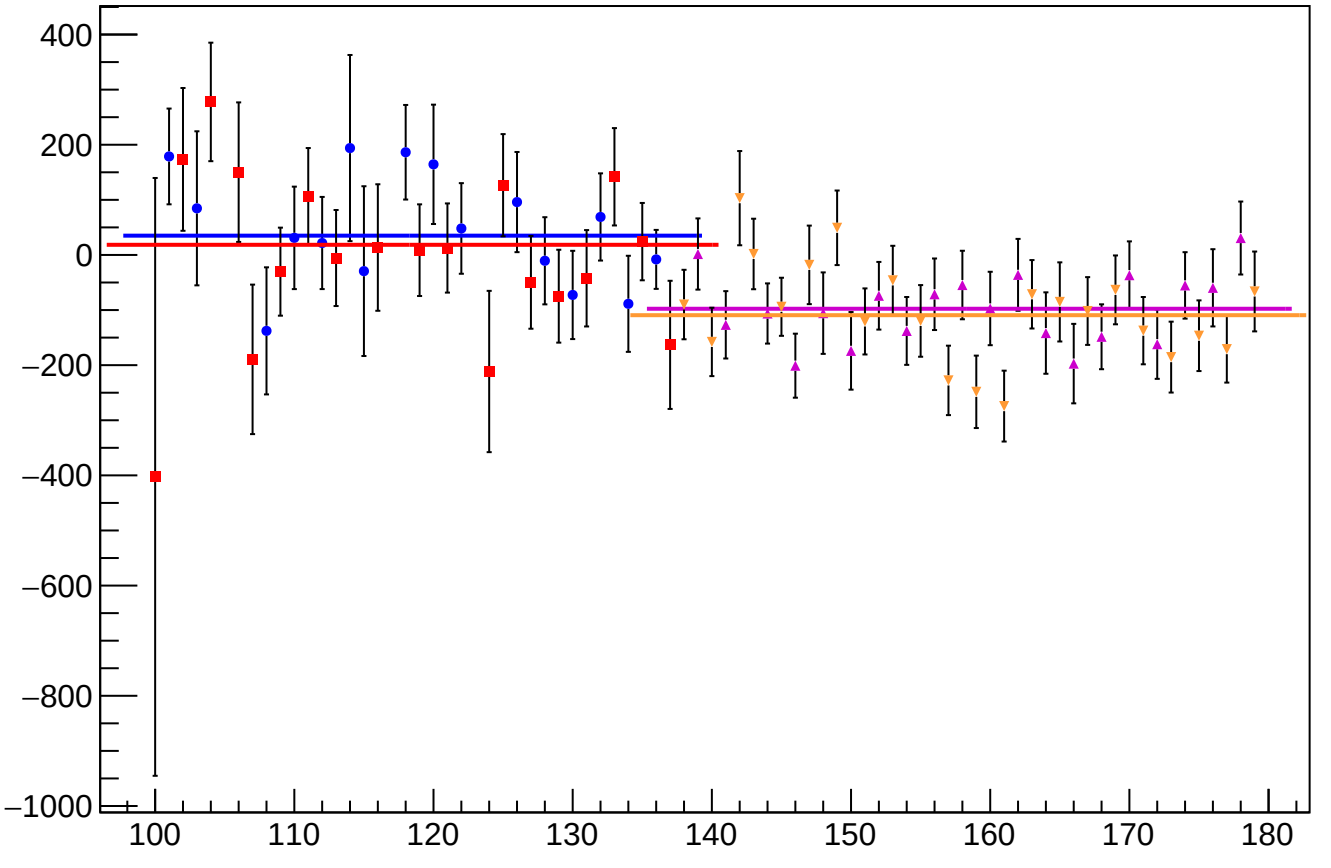
Left: 341.832+/-0.042 χ^2/NDF: 794912.2/41

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 364.307+/-0.054 χ^2/NDF:2177043.9/35

Out: 366.311+/-0.053 χ^2/NDF:2324747.2/40

All: 365.332+/-0.038 χ^2/NDF: 4502484.0/76



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -97.641+/-14.289 χ^2/NDF:18.7/19

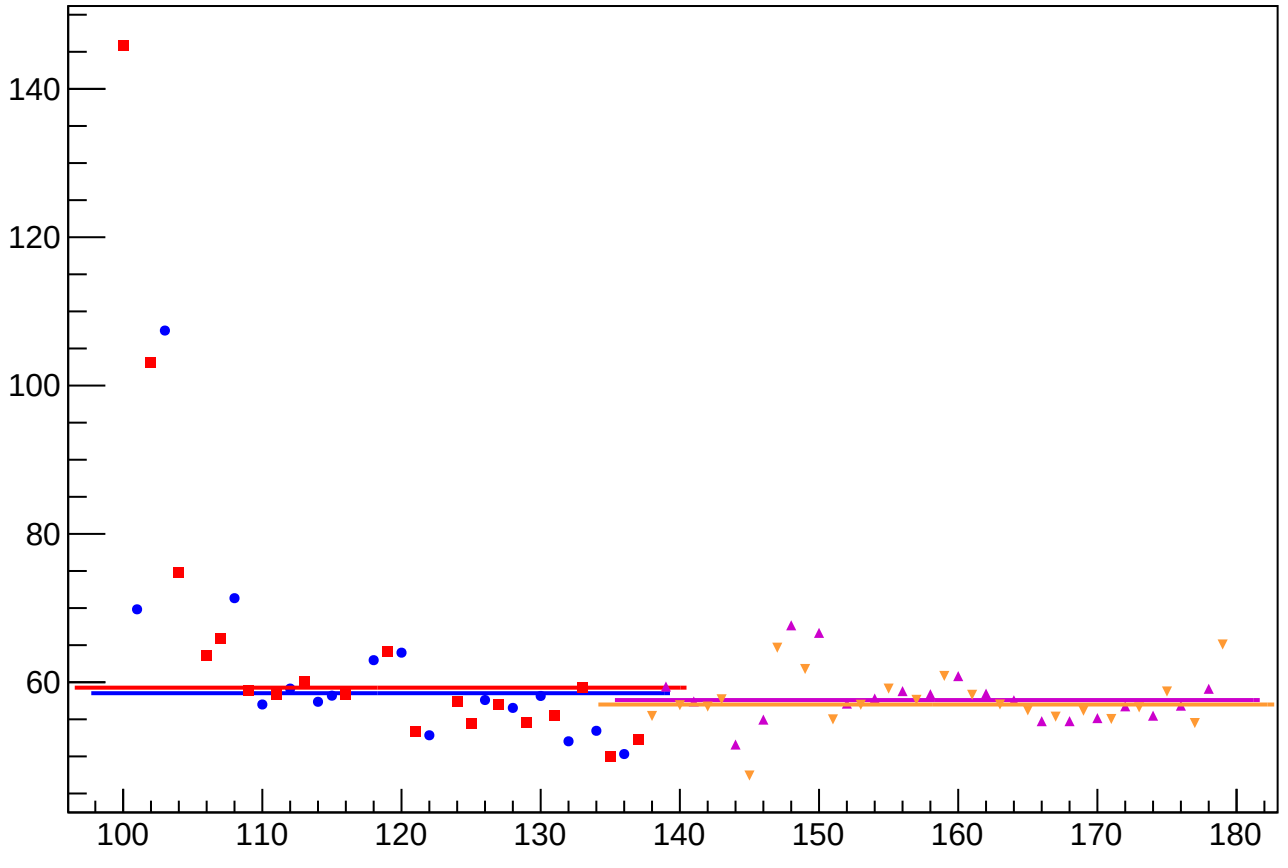
Left: -103.740+/-9.878 χ^2/NDF: 56.2/41

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.619+/-12.005 χ^2/NDF:60.2/35

Out: -74.066+/-11.632 χ^2/NDF:84.6/40

All: -66.586+/-8.354 χ^2/NDF: 145.7/76



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

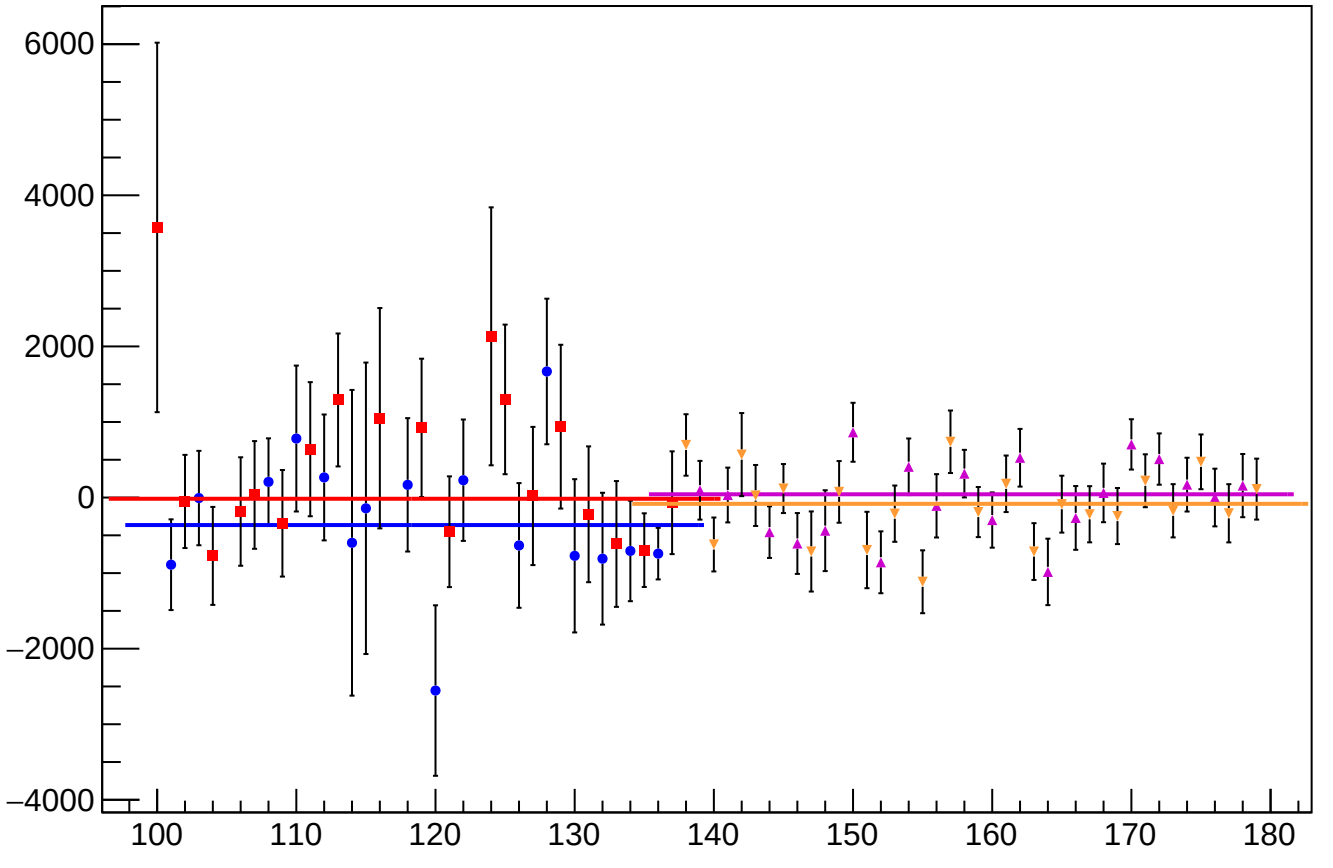
Left: 57.285+/-0.007 χ^2/NDF: 270077.2/41

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.870+/-0.008 χ^2/NDF:516561.4/35

Out: 57.624+/-0.008 χ^2/NDF:567731.8/40

All: 57.743+/-0.006 χ^2/NDF: 1084725.1/76



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 43.154+/-85.167 χ^2/NDF:31.2/19

Left: -21.914+/-59.275 χ^2/NDF: 60.7/41

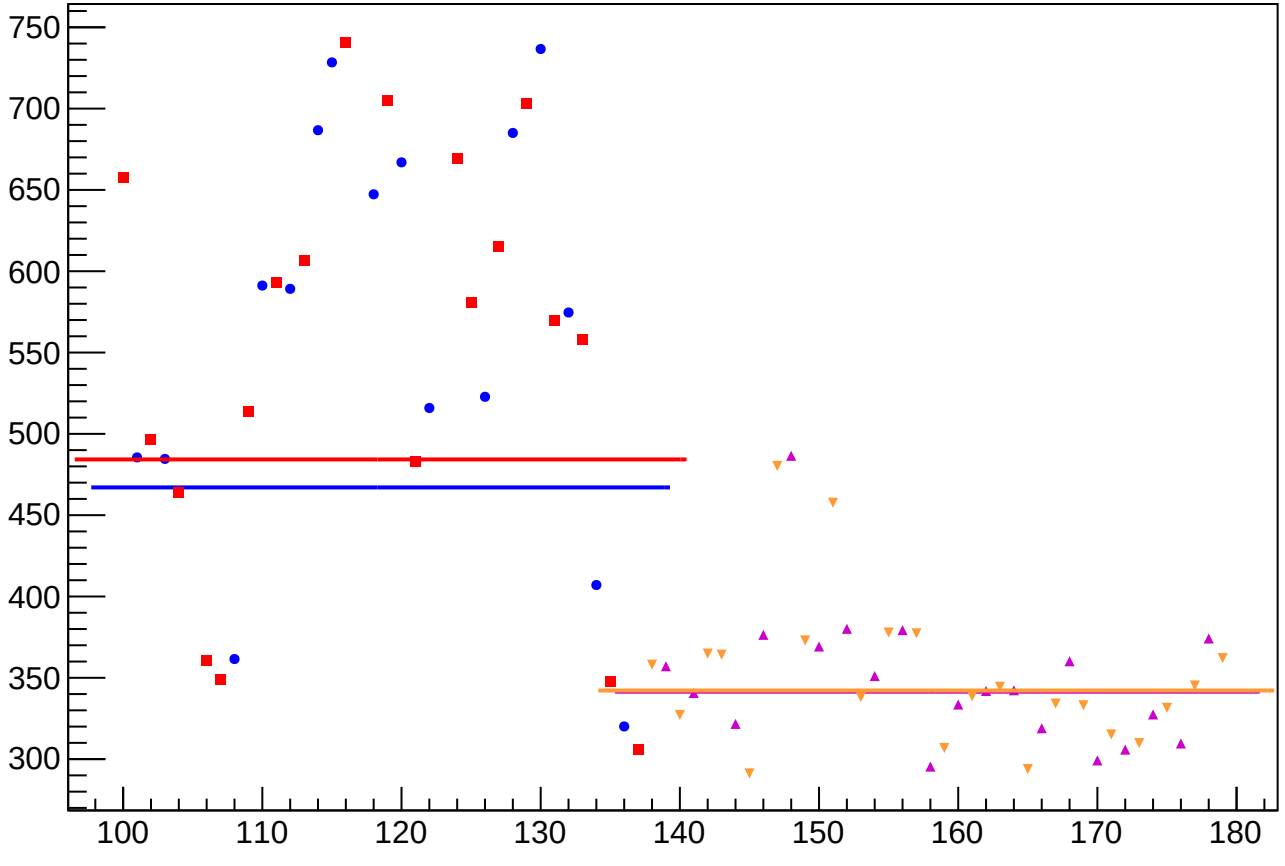
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -30.925+/-77.031 χ^2/NDF:50.6/35

Out: -71.789+/-75.293 χ^2/NDF:43.6/40

All: -51.823+/-53.844 χ^2/NDF: 94.3/76

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 341.454+/-0.060 χ^2/NDF:355257.6/19

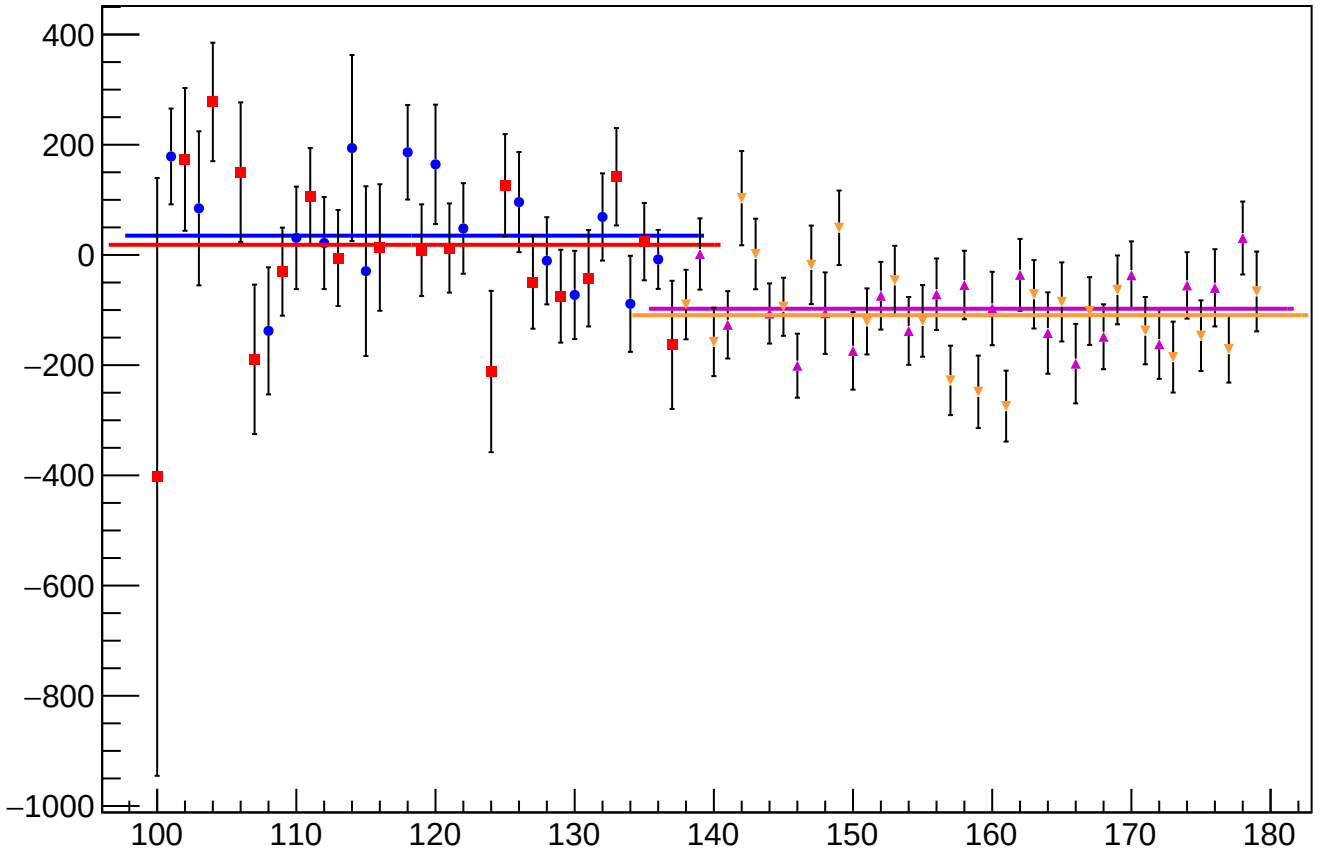
Left: 341.832+/-0.042 χ^2/NDF: 794915.8/41

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 364.307+/-0.054 χ^2/NDF:2177075.7/35

Out: 366.069+/-0.053 χ^2/NDF:2324321.7/40

All: 365.208+/-0.038 χ^2/NDF: 4501932.5/76



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -109.324+/-13.671 χ^2/NDF:37.1/21

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -97.641+/-14.289 χ^2/NDF:18.7/19

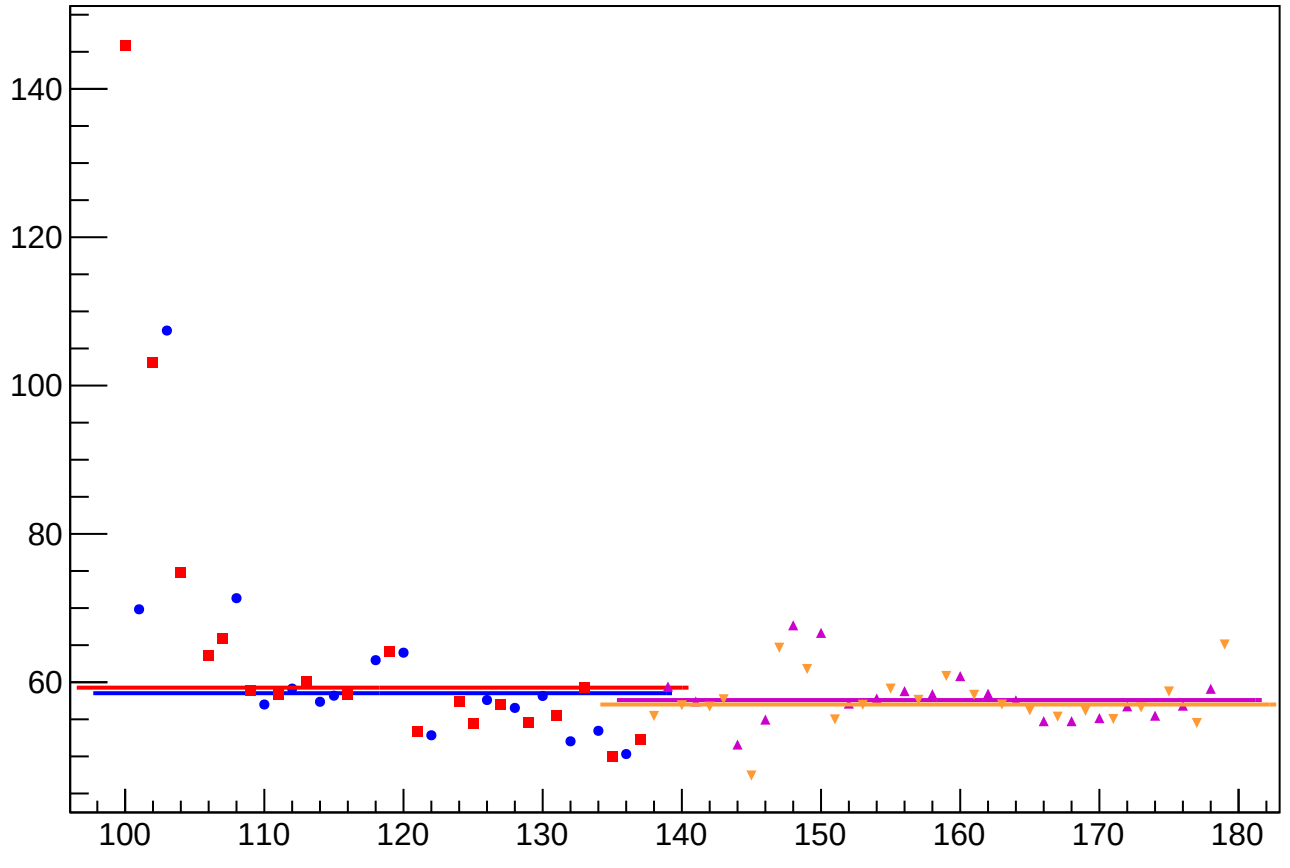
Left: -103.740+/-9.878 χ^2/NDF: 56.2/41

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.619+/-12.005 χ^2/NDF:60.2/35

Out: -74.066+/-11.632 χ^2/NDF:84.6/40

All: -66.586+/-8.354 χ^2/NDF: 145.7/76



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.997+/-0.010 χ^2/NDF:146867.3/21

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

Left: 57.285+/-0.007 χ^2/NDF: 270077.2/41

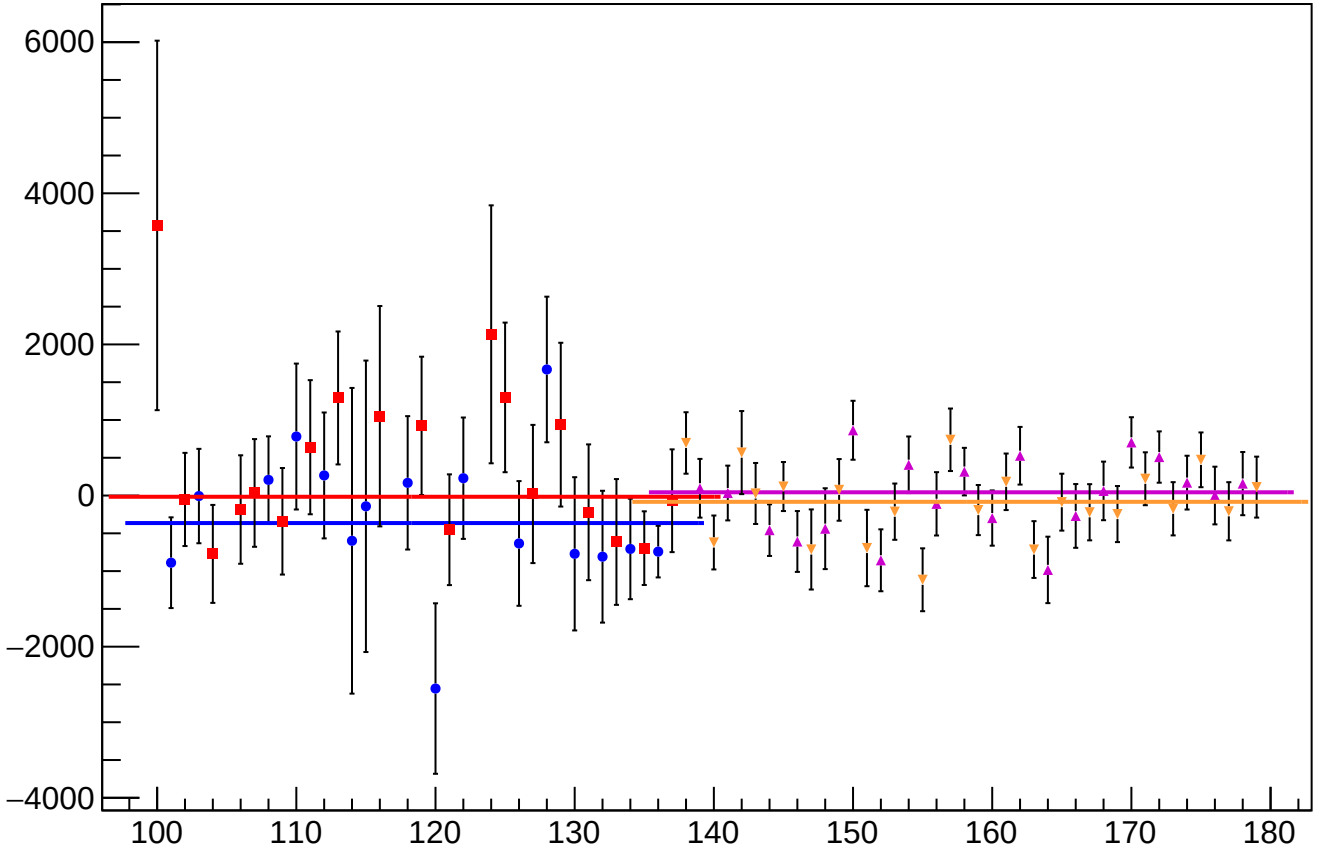
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.870+/-0.008 χ^2/NDF:516561.4/35

Out: 57.624+/-0.008 χ^2/NDF:567731.8/40

All: 57.743+/-0.006 χ^2/NDF: 1084725.1/76

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -83.043+/-82.549 χ^2/NDF:28.3/21

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 43.154+/-85.167 χ^2/NDF:31.2/19

Left: -21.914+/-59.275 χ^2/NDF: 60.7/41

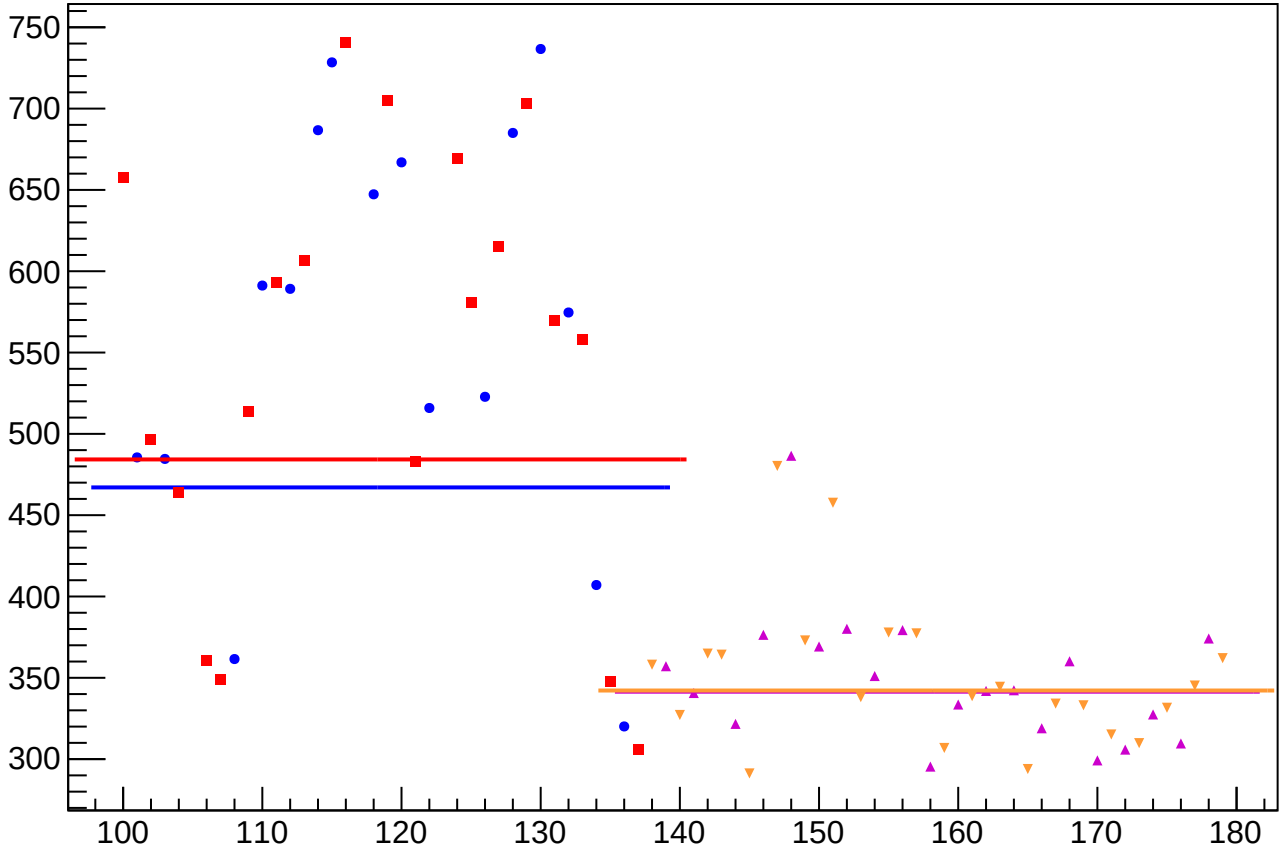
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -30.925+/-77.031 χ^2/NDF:50.6/35

Out: -71.789+/-75.293 χ^2/NDF:43.6/40

All: -51.823+/-53.844 χ^2/NDF: 94.3/76

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 342.187+/-0.058 χ^2/NDF:439581.9/21

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 341.454+/-0.060 χ^2/NDF:355257.6/19

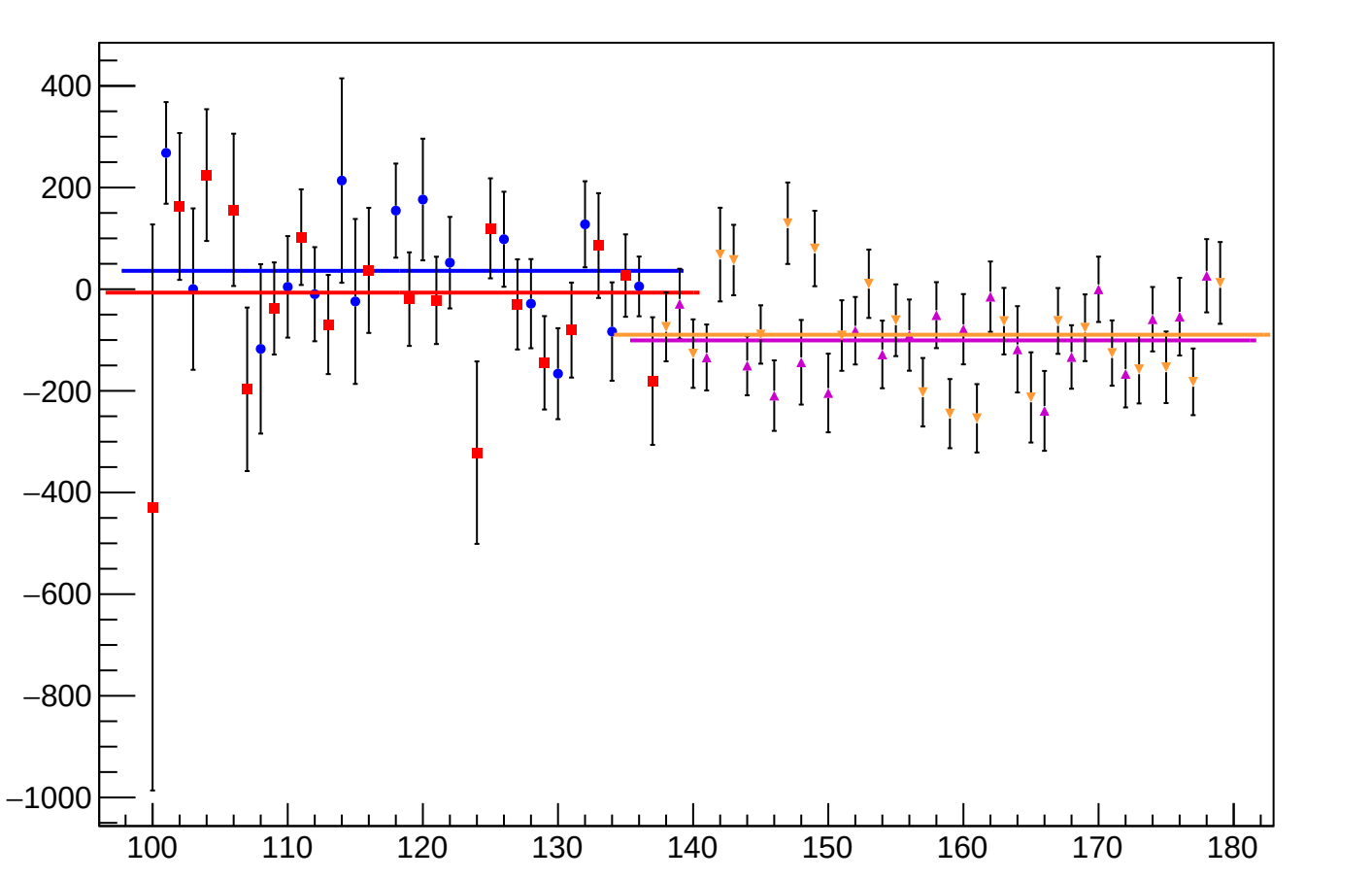
Left: 341.832+/-0.042 χ^2/NDF: 794915.8/41

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 364.307+/-0.054 χ^2/NDF:2177075.7/35

Out: 366.069+/-0.053 χ^2/NDF:2324321.7/40

All: 365.208+/-0.038 χ^2/NDF: 4501932.5/76



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -89.609+/-14.786 χ^2/NDF:45.0/21

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -100.743+/-15.407 χ^2/NDF:19.9/19

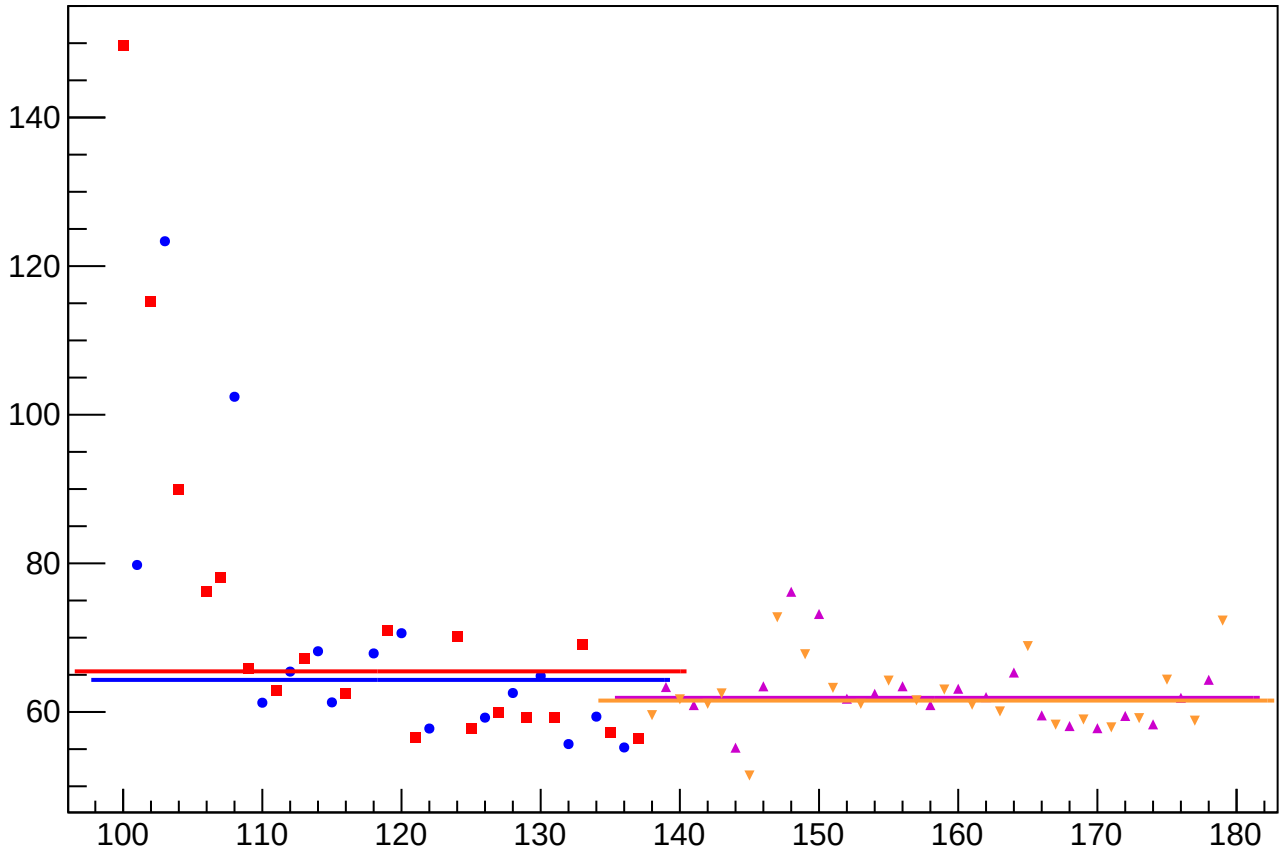
Left: -94.947+/-10.668 χ^2/NDF: 65.1/41

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -61.880+/-13.038 χ^2/NDF:62.0/35

Out: -67.569+/-12.668 χ^2/NDF:73.7/40

All: -64.807+/-9.086 χ^2/NDF: 135.7/76



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.535+/-0.010 χ^2/NDF:195994.7/21

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 61.902+/-0.011 χ^2/NDF:163942.9/19

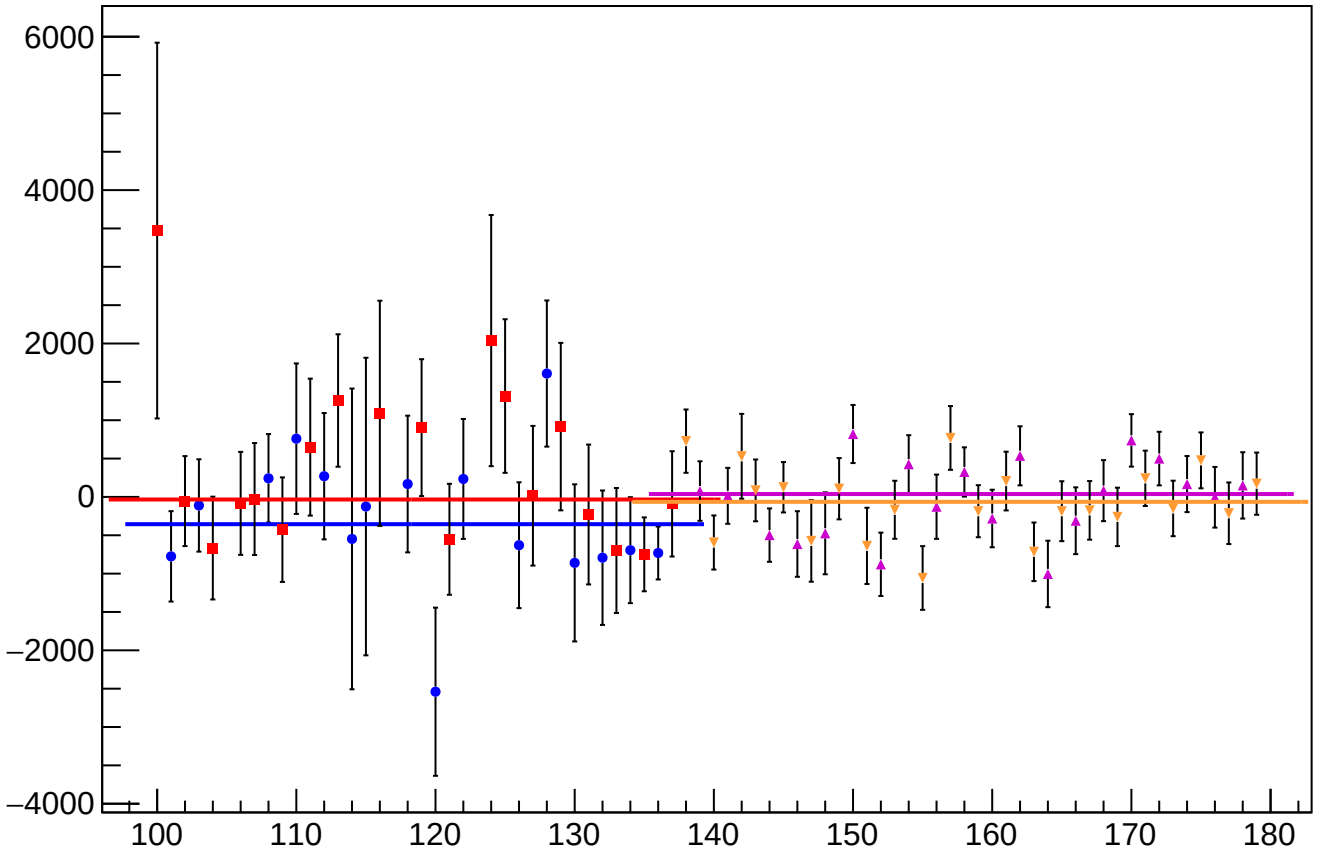
Left: 61.711+/-0.008 χ^2/NDF: 360528.9/41

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.587+/-0.009 χ^2/NDF:709949.8/35

Out: 62.580+/-0.009 χ^2/NDF:715957.8/40

All: 62.584+/-0.006 χ^2/NDF: 1425907.9/76



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 37.595+/-86.592 χ^2/NDF:31.8/19

Left: -15.052+/-60.170 χ^2/NDF: 59.8/41

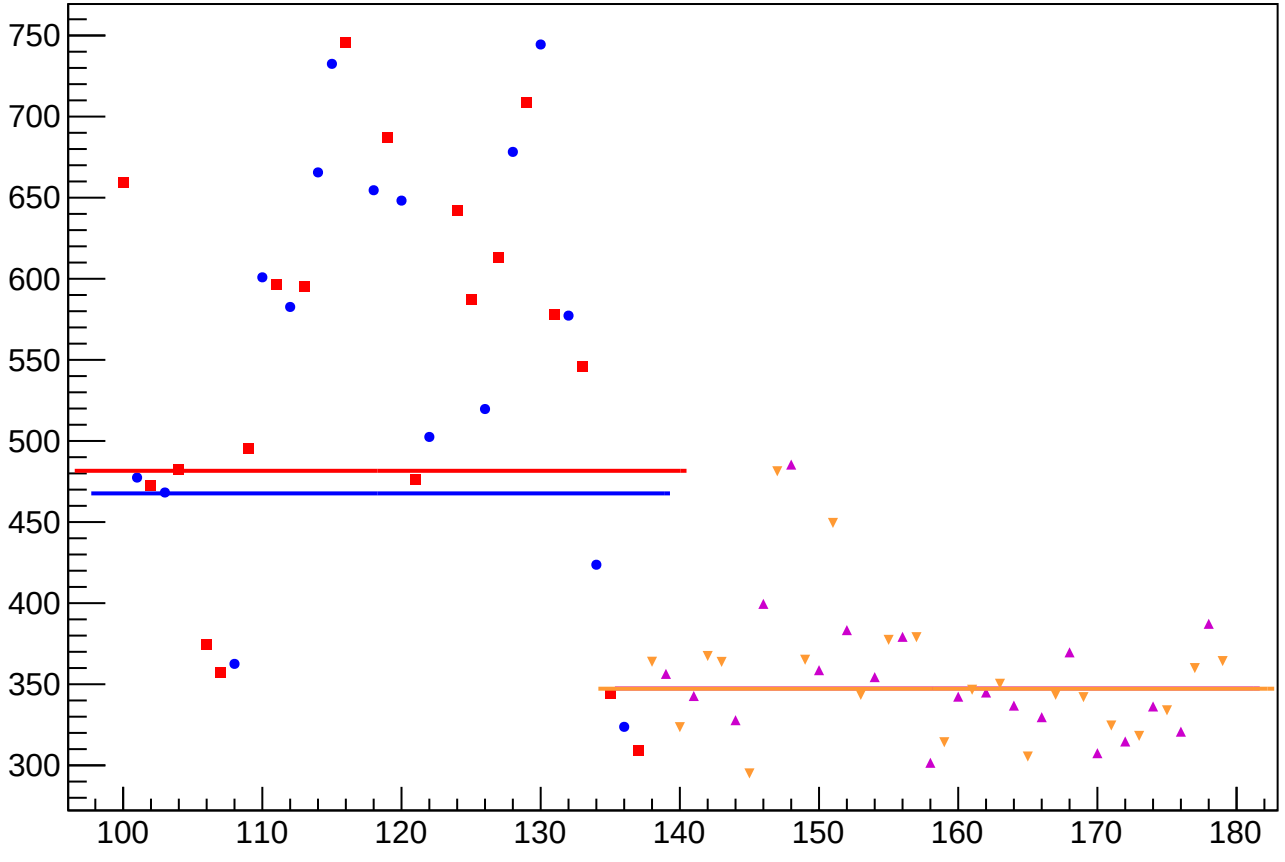
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -36.064+/-78.060 χ^2/NDF:50.5/35

Out: -58.878+/-75.989 χ^2/NDF:42.7/40

All: -47.777+/-54.450 χ^2/NDF: 93.2/76

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 347.253+/-0.059 χ^2/NDF:378742.1/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 347.388+/-0.061 χ^2/NDF:324712.5/19

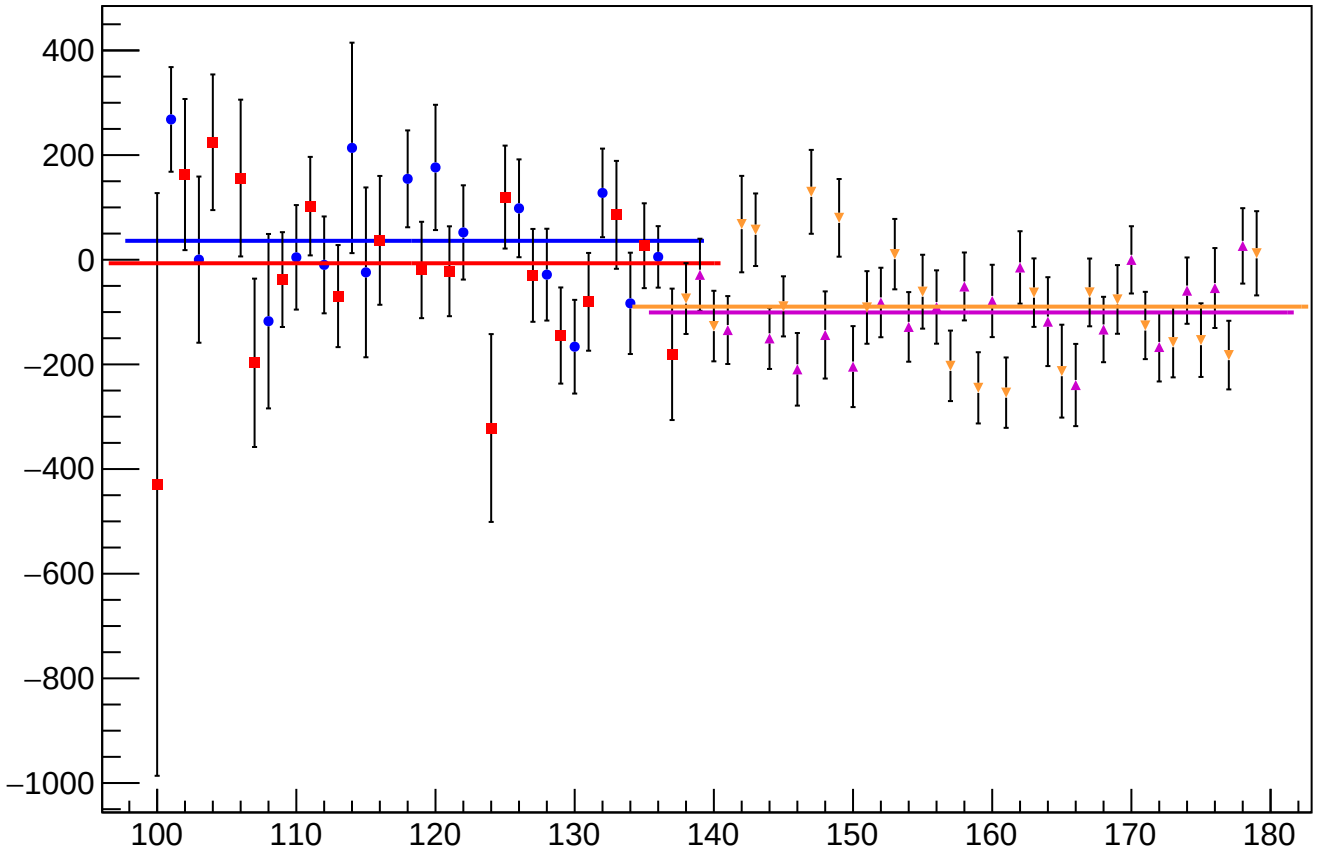
Left: 347.318+/-0.043 χ^2/NDF: 703457.0/41

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 369.926+/-0.055 χ^2/NDF:2033760.2/35

Out: 370.787+/-0.054 χ^2/NDF:2136258.7/40

All: 370.368+/-0.039 χ^2/NDF: 4170143.8/76



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -89.609+/-14.786 χ^2/NDF:45.0/21

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -100.743+/-15.407 χ^2/NDF:19.9/19

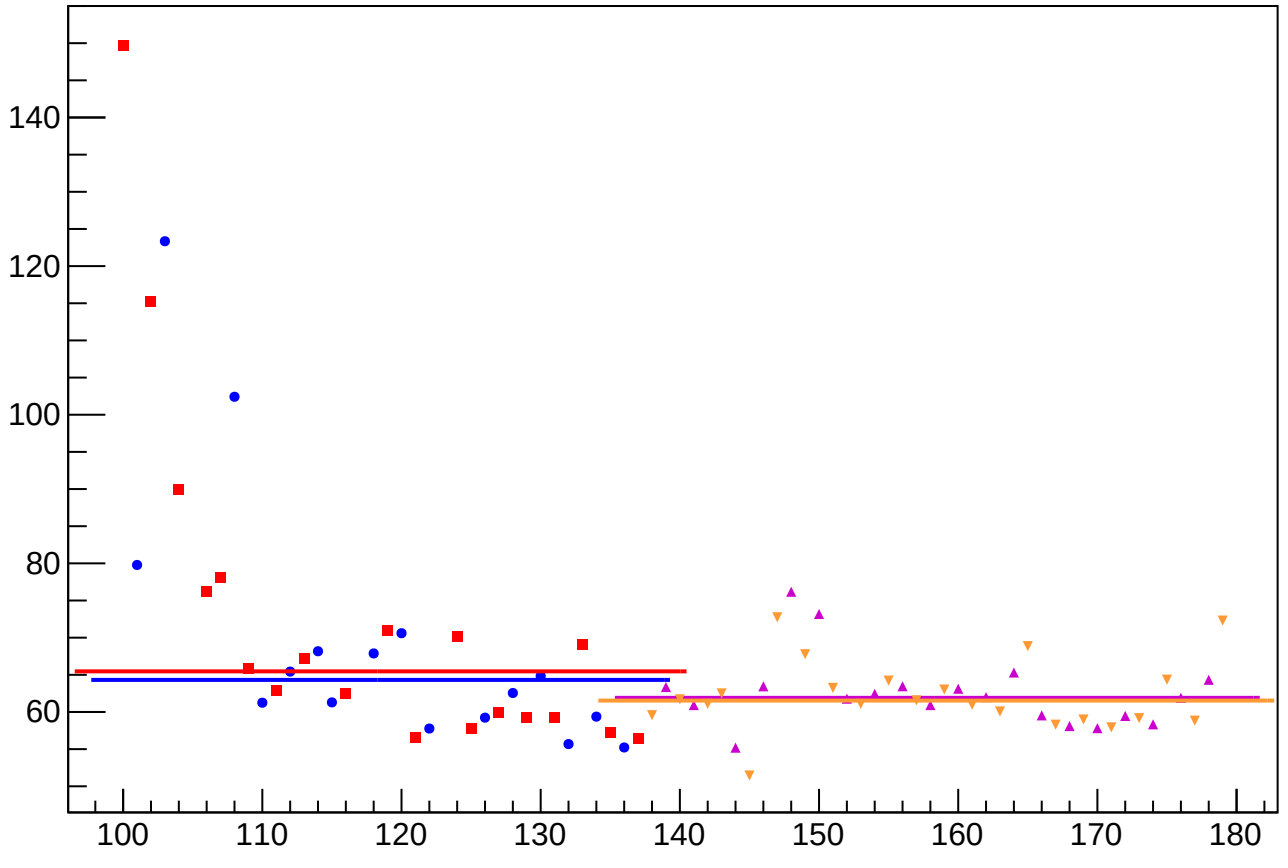
Left: -94.947+/-10.668 χ^2/NDF: 65.1/41

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -61.880+/-13.038 χ^2/NDF:62.0/35

Out: -67.569+/-12.668 χ^2/NDF:73.7/40

All: -64.806+/-9.086 χ^2/NDF: 135.7/76



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.535+/-0.010 χ^2/NDF:196001.1/21

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.902+/-0.011 χ^2/NDF:163945.7/19

Left: 61.711+/-0.008 χ^2/NDF: 360538.1/41

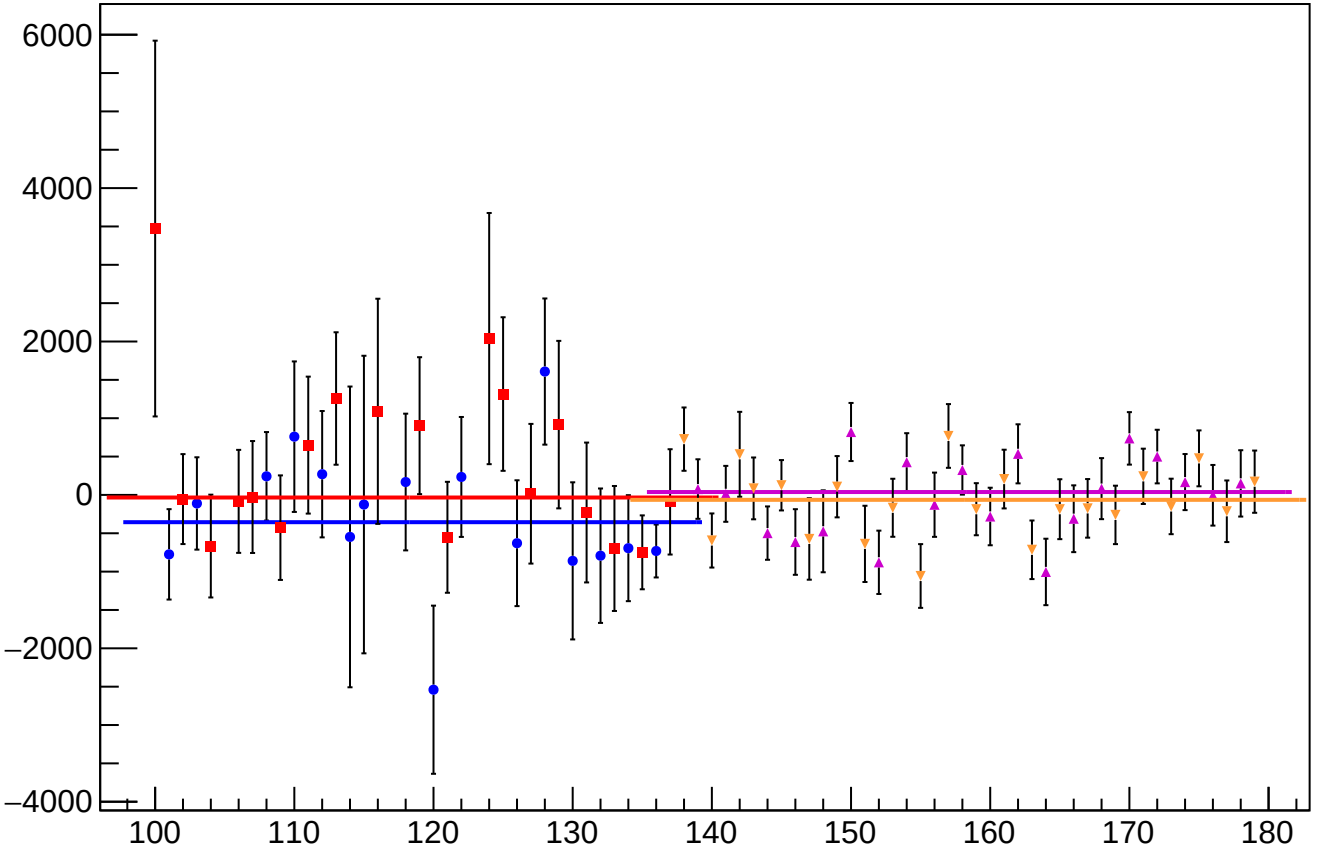
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.587+/-0.009 χ^2/NDF:709959.5/35

Out: 62.580+/-0.009 χ^2/NDF:715967.9/40

All: 62.584+/-0.006 χ^2/NDF: 1425927.6/76

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -64.206+/-83.670 χ^2/NDF:27.2/21

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 37.595+/-86.592 χ^2/NDF:31.8/19

Left: -15.052+/-60.170 χ^2/NDF: 59.8/41

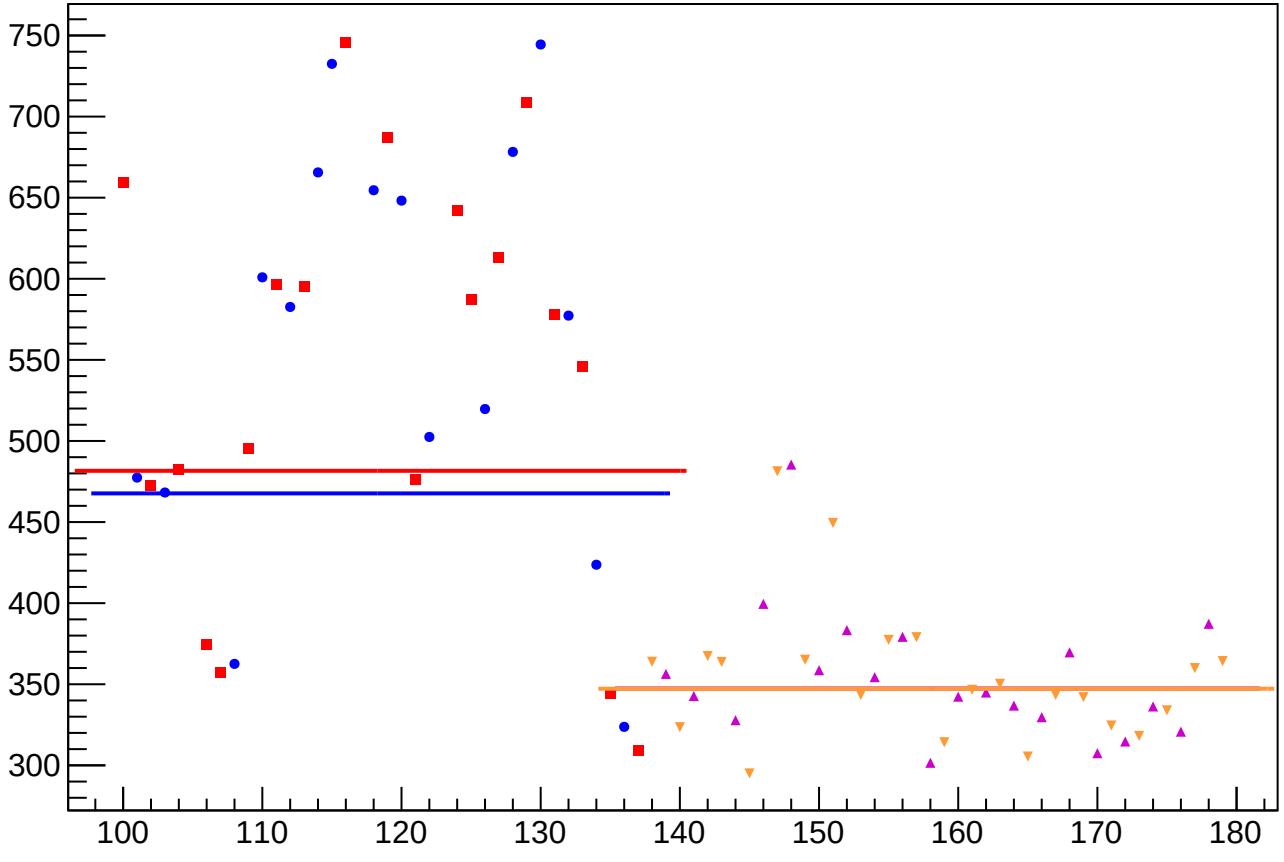
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -36.064+/-78.060 χ^2/NDF:50.5/35

Out: -58.878+/-75.989 χ^2/NDF:42.7/40

All: -47.777+/-54.450 χ^2/NDF: 93.2/76

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 347.253+/-0.059 χ^2/NDF:378741.6/21

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 347.388+/-0.061 χ^2/NDF:324714.0/19

Left: 347.318+/-0.043 χ^2/NDF: 703458.1/41

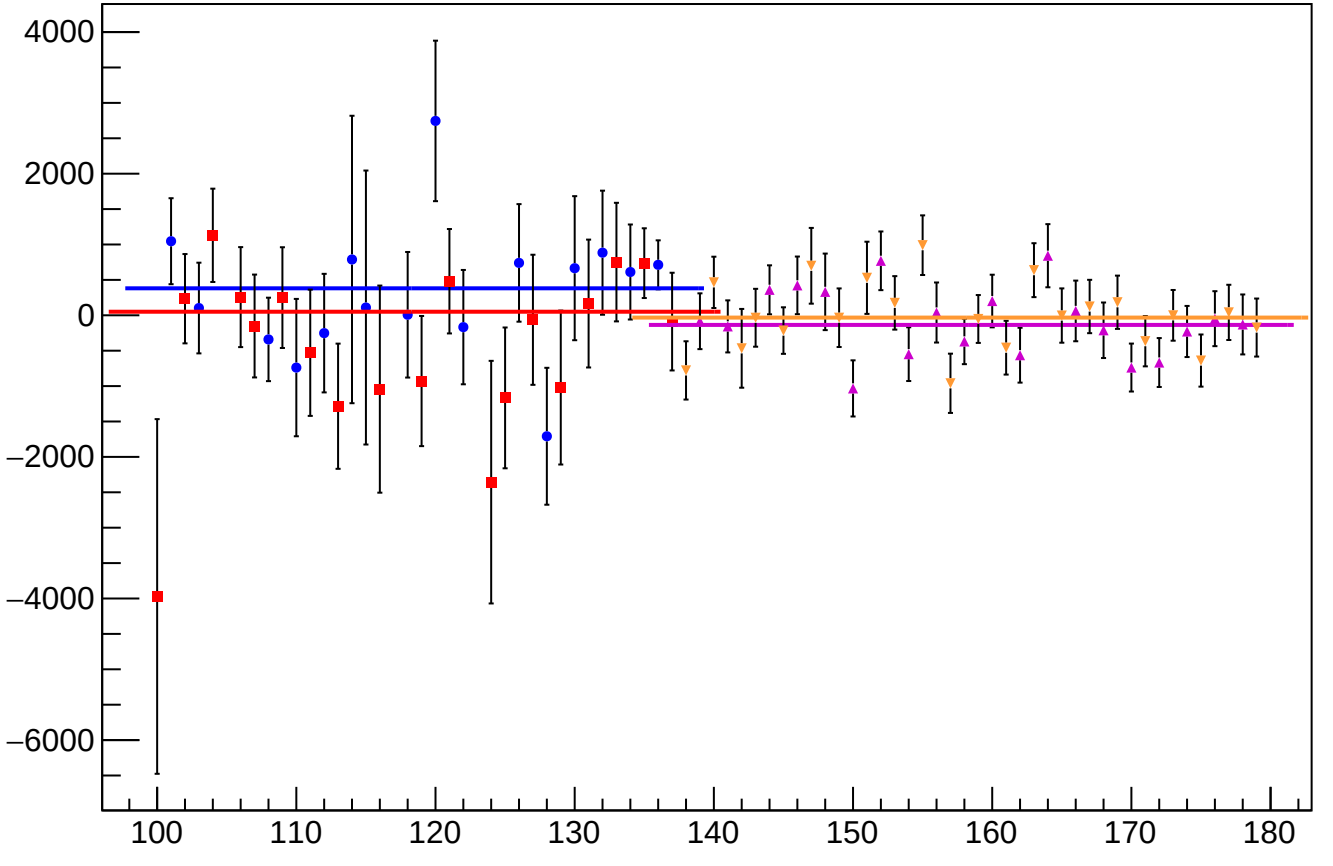
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 369.926+/-0.055 χ^2/NDF:2033756.3/35

Out: 370.787+/-0.054 χ^2/NDF:2136248.1/40

All: 370.368+/-0.039 χ^2/NDF: 4170129.4/76

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -32.363+/-83.733 χ^2/NDF:28.9/21

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -136.000+/-86.410 χ^2/NDF:29.2/19

Left: -82.551+/-60.132 χ^2/NDF: 58.9/41

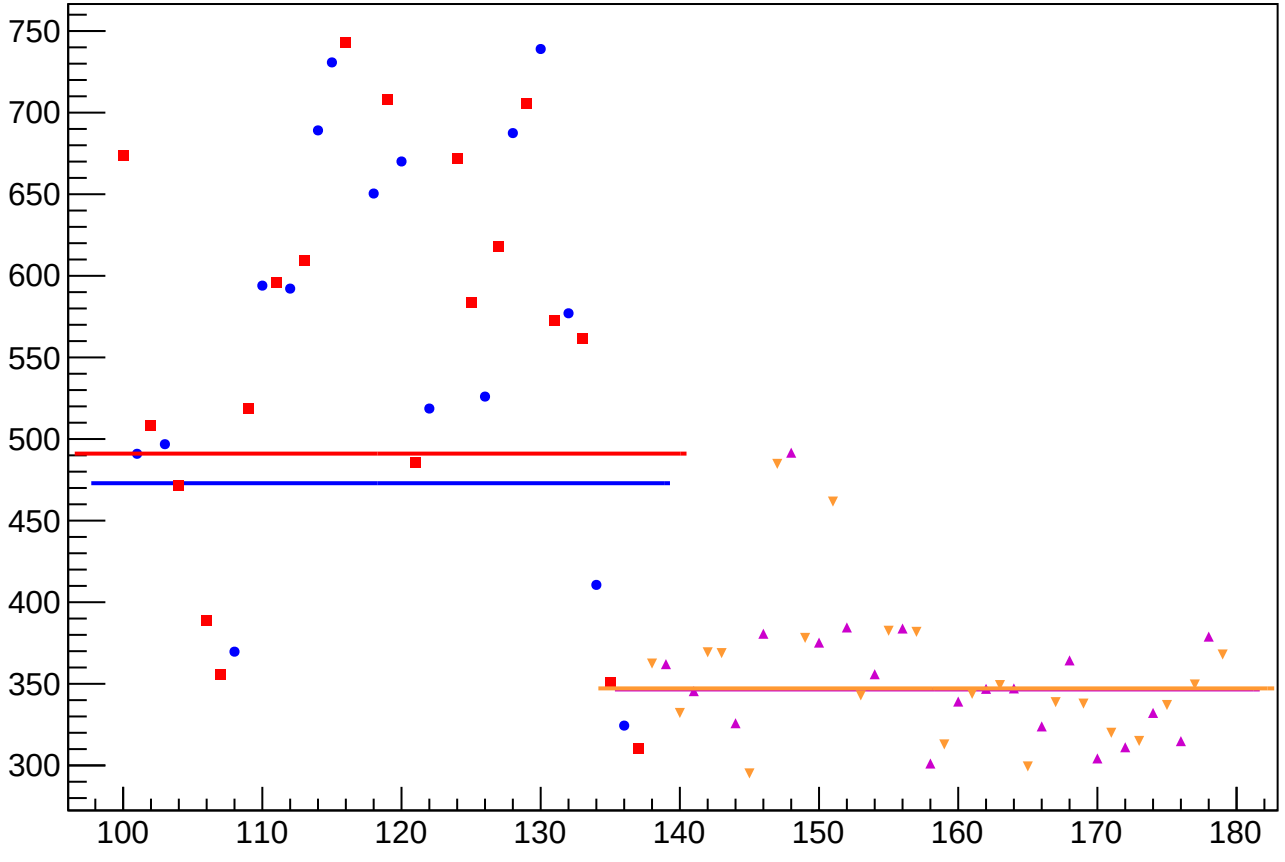
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -41.439+/-78.110 χ^2/NDF:51.9/35

Out: -18.325+/-76.302 χ^2/NDF:46.5/40

All: -29.612+/-54.582 χ^2/NDF: 98.5/76

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 347.196+/-0.059 χ^2/NDF:426269.9/21

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.531+/-0.061 χ^2/NDF:343361.3/19

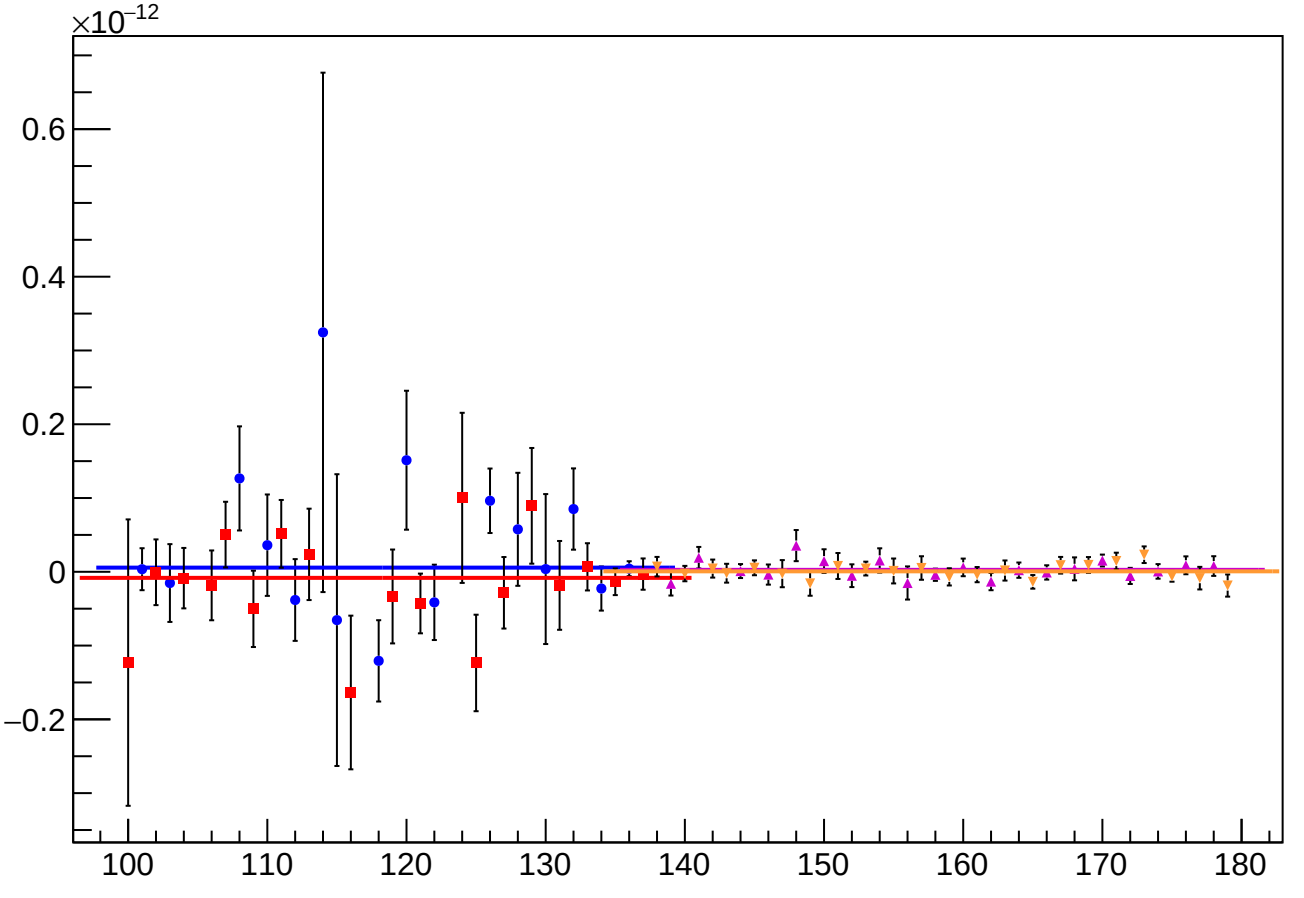
Left: 346.874+/-0.043 χ^2/NDF: 769692.3/41

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 369.645+/-0.055 χ^2/NDF:2126164.6/35

Out: 371.600+/-0.054 χ^2/NDF:2275263.4/40

All: 370.646+/-0.039 χ^2/NDF: 4402068.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/19

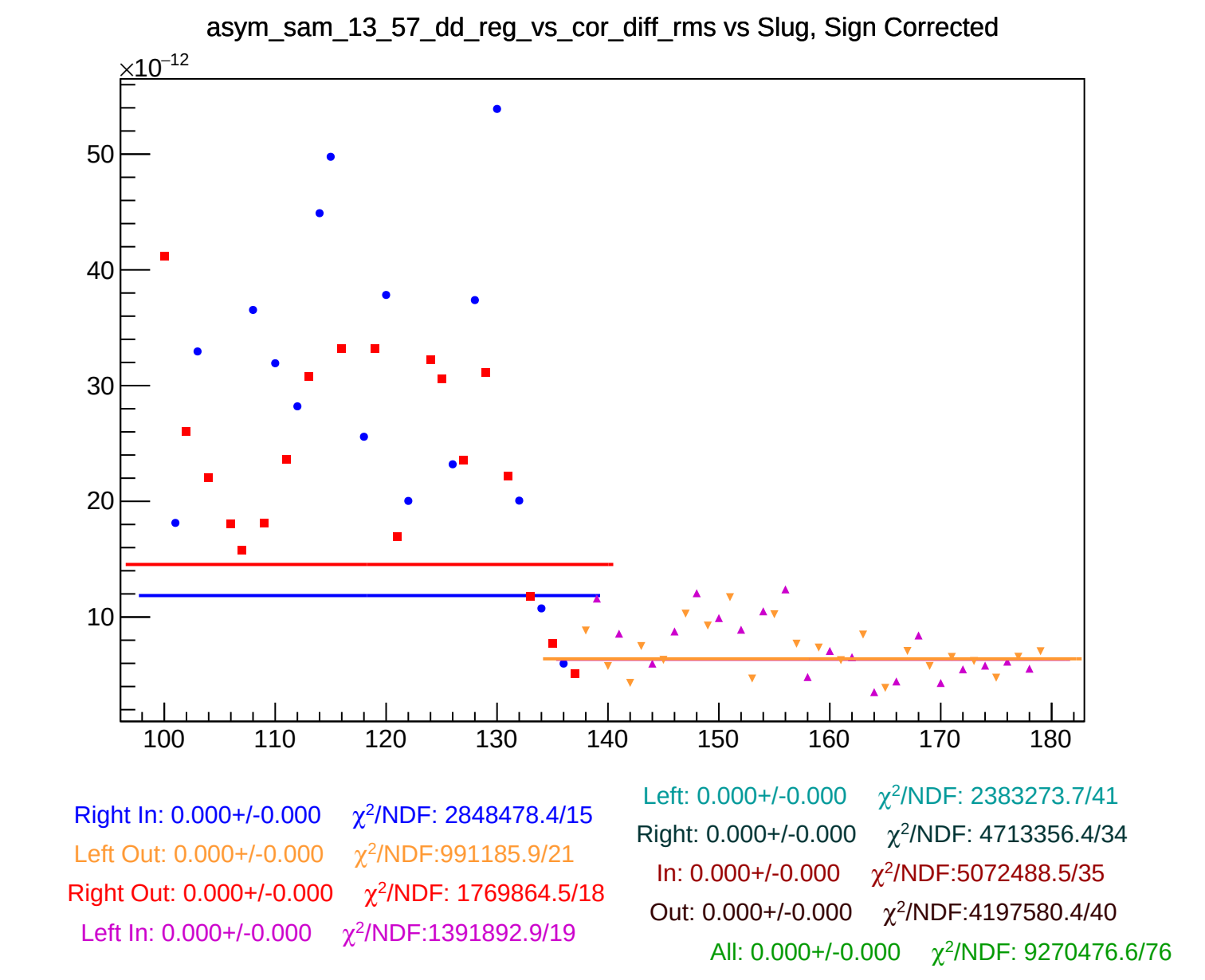
Left: 0.000+/-0.000 χ^2/NDF: 28.4/41

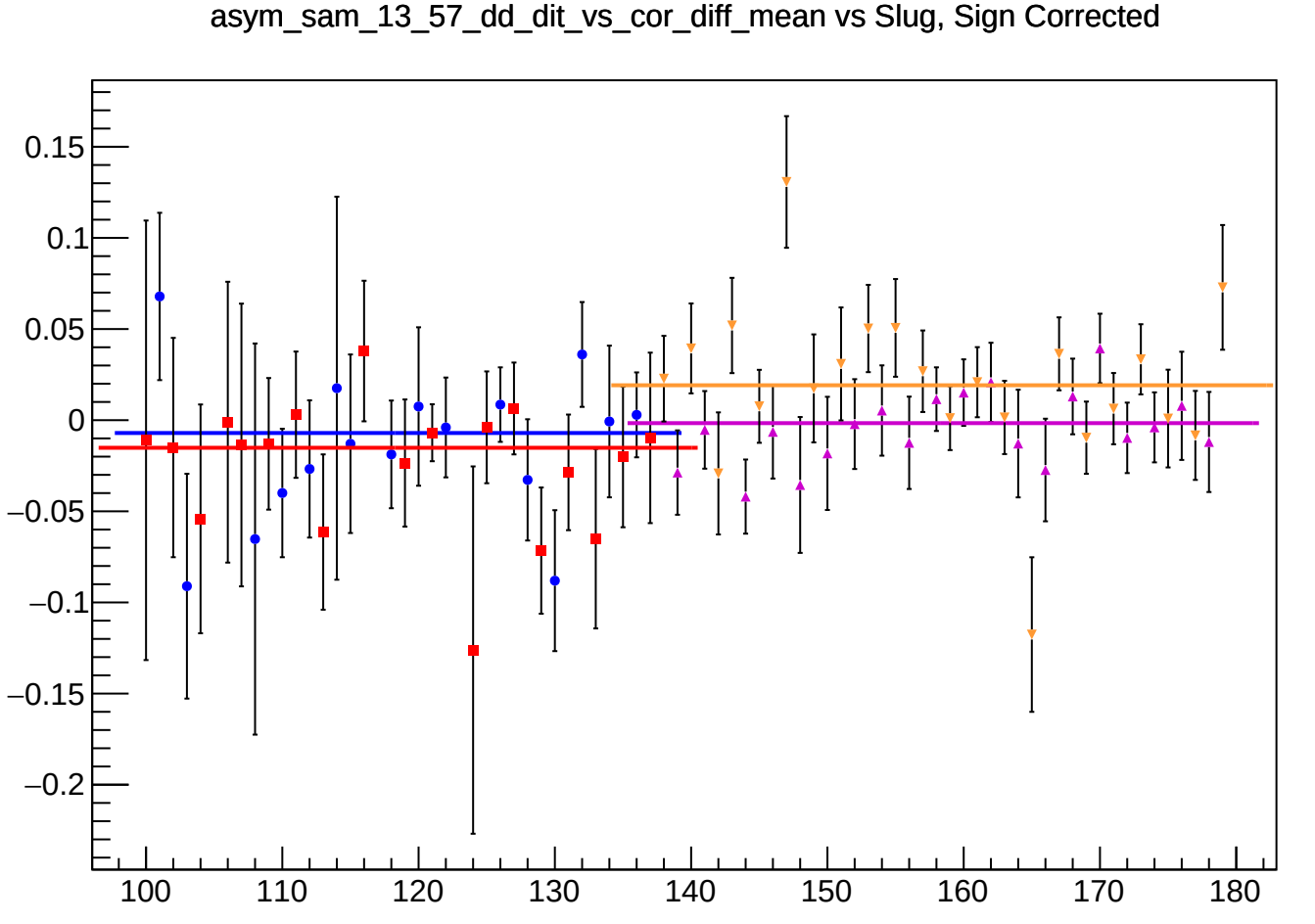
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.8/35

Out: 0.000+/-0.000 χ^2/NDF:29.5/40

All: 0.000+/-0.000 χ^2/NDF: 64.9/76


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:991185.9/21
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1391892.9/19
Left: 0.000+/-0.000 χ²/NDF: 2383273.7/41
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5072488.5/35
Out: 0.000+/-0.000 χ²/NDF:4197580.4/40
All: 0.000+/-0.000 χ²/NDF: 9270476.6/76



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.005 χ^2/NDF:37.8/21

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.7/19

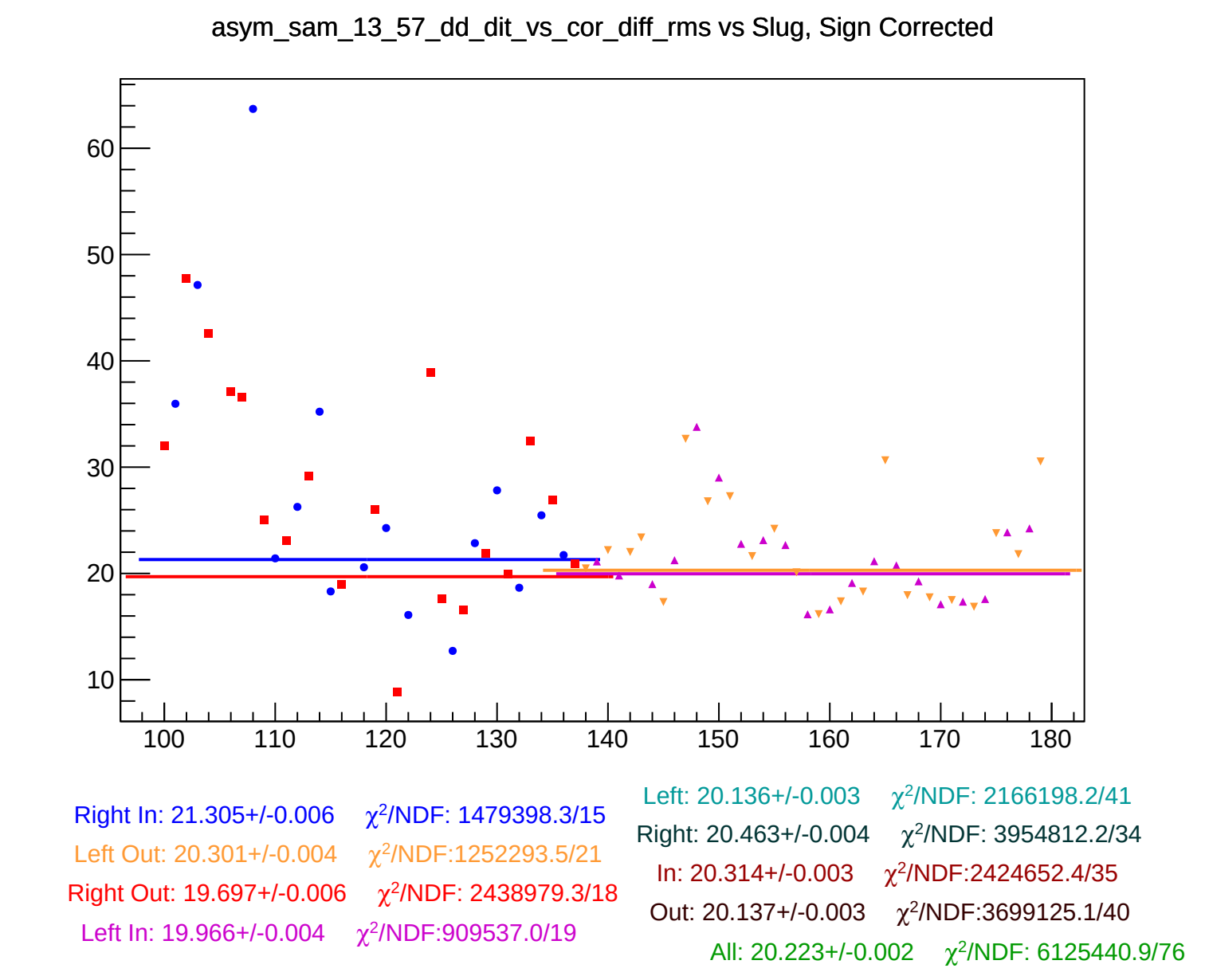
Left: 0.009+/-0.004 χ^2/NDF: 62.0/41

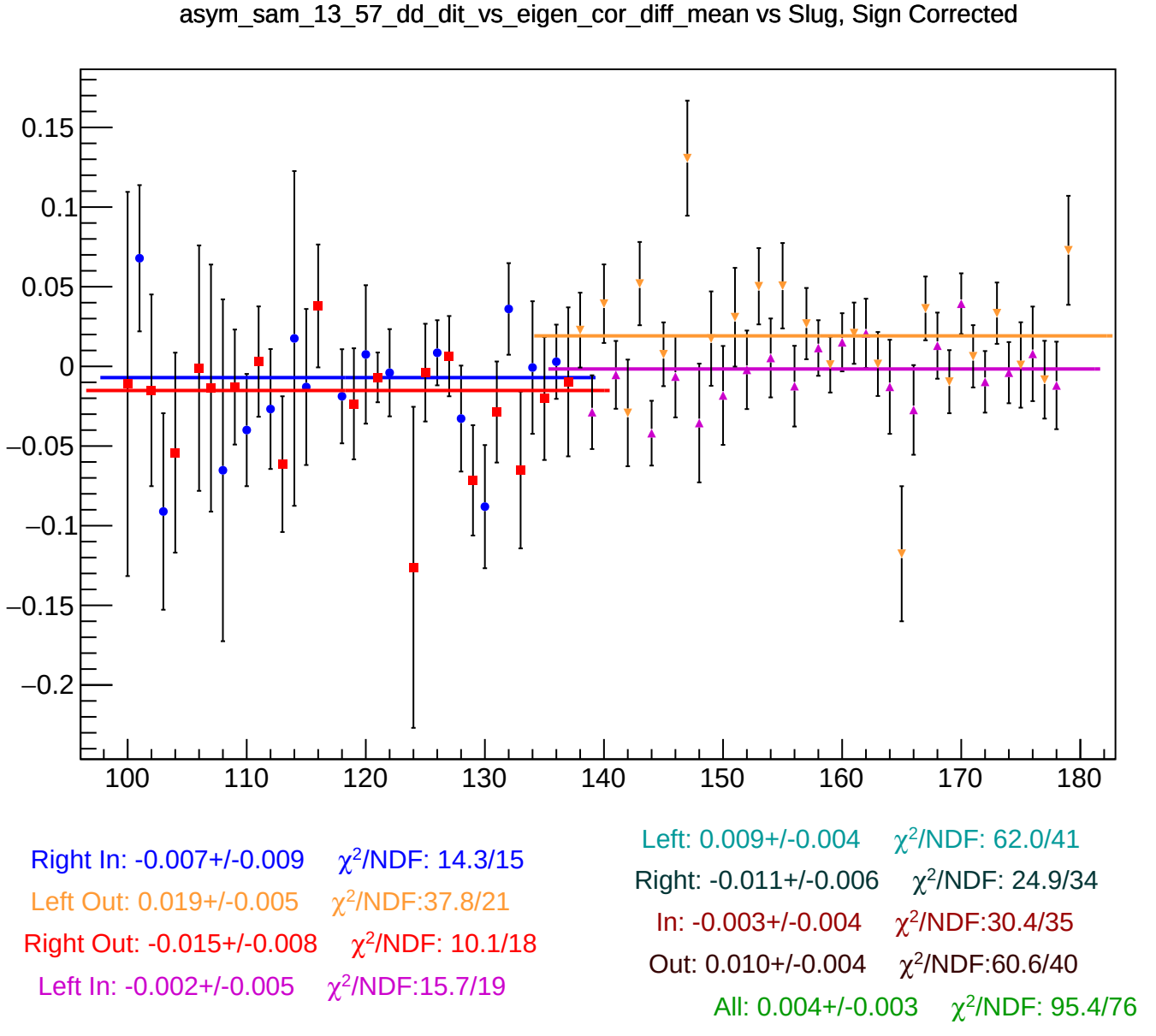
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.4/35

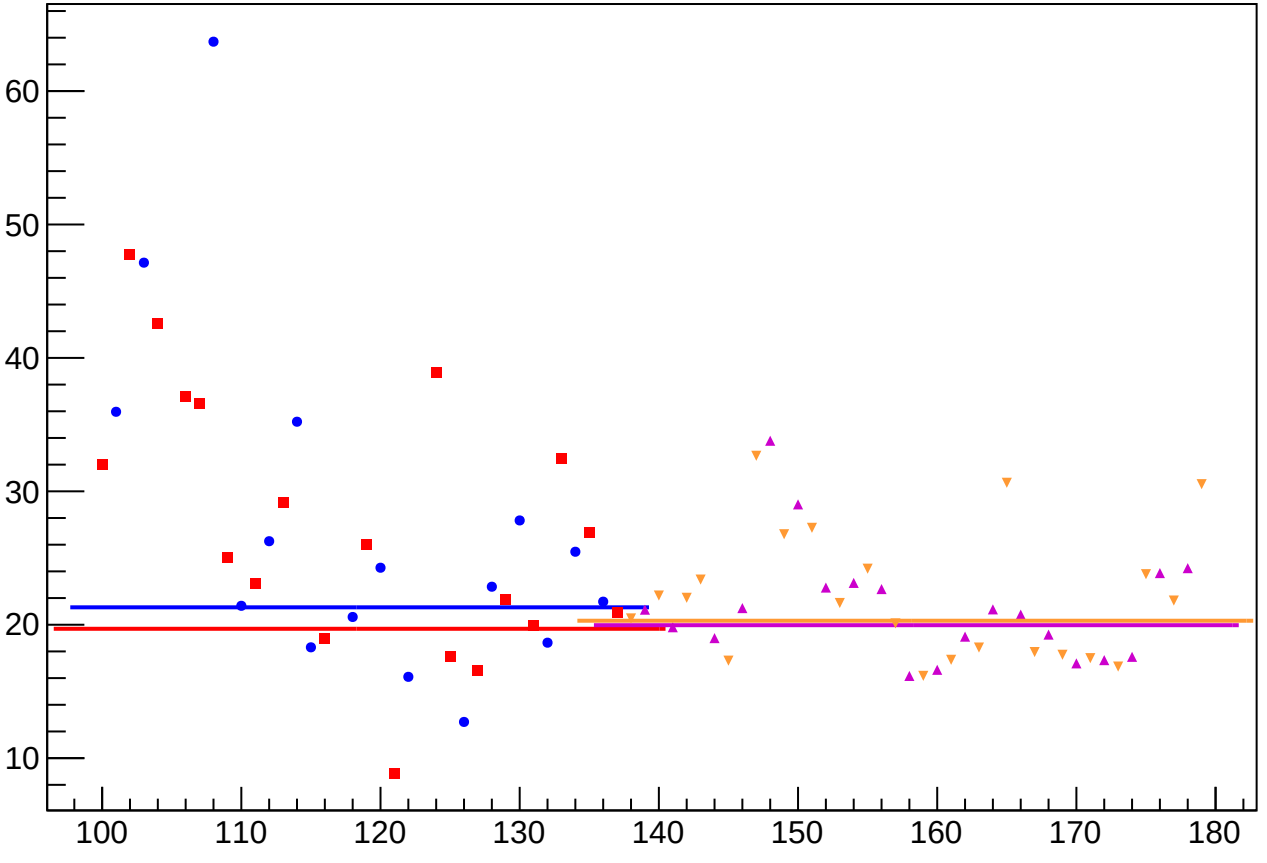
Out: 0.010+/-0.004 χ^2/NDF:60.6/40

All: 0.004+/-0.003 χ^2/NDF: 95.4/76


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.301+/-0.004 χ²/NDF:1252293.5/21
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 19.966+/-0.004 χ²/NDF:909537.0/19
Left: 20.136+/-0.003 χ²/NDF: 2166198.2/41
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.314+/-0.003 χ²/NDF:2424652.4/35
Out: 20.137+/-0.003 χ²/NDF:3699125.1/40
All: 20.223+/-0.002 χ²/NDF: 6125440.9/76


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:37.8/21
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.002+/-0.005 χ²/NDF:15.7/19
Left: 0.009+/-0.004 χ²/NDF: 62.0/41
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:30.4/35
Out: 0.010+/-0.004 χ²/NDF:60.6/40
All: 0.004+/-0.003 χ²/NDF: 95.4/76

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252293.5/21

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.966+/-0.004 χ^2/NDF:909537.0/19

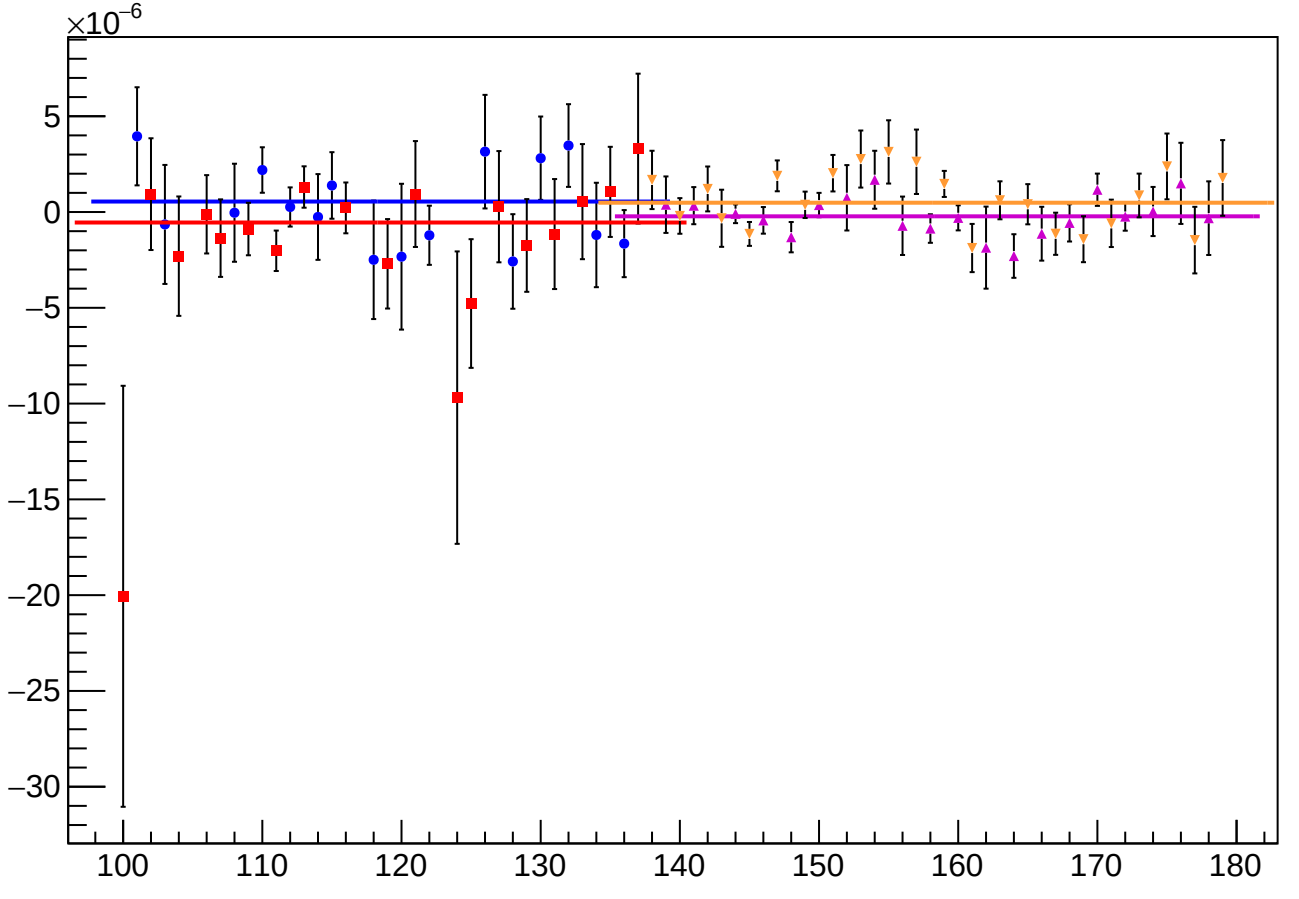
Left: 20.136+/-0.003 χ^2/NDF: 2166198.2/41

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.314+/-0.003 χ^2/NDF:2424652.4/35

Out: 20.137+/-0.003 χ^2/NDF:3699125.1/40

All: 20.223+/-0.002 χ^2/NDF: 6125440.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/19

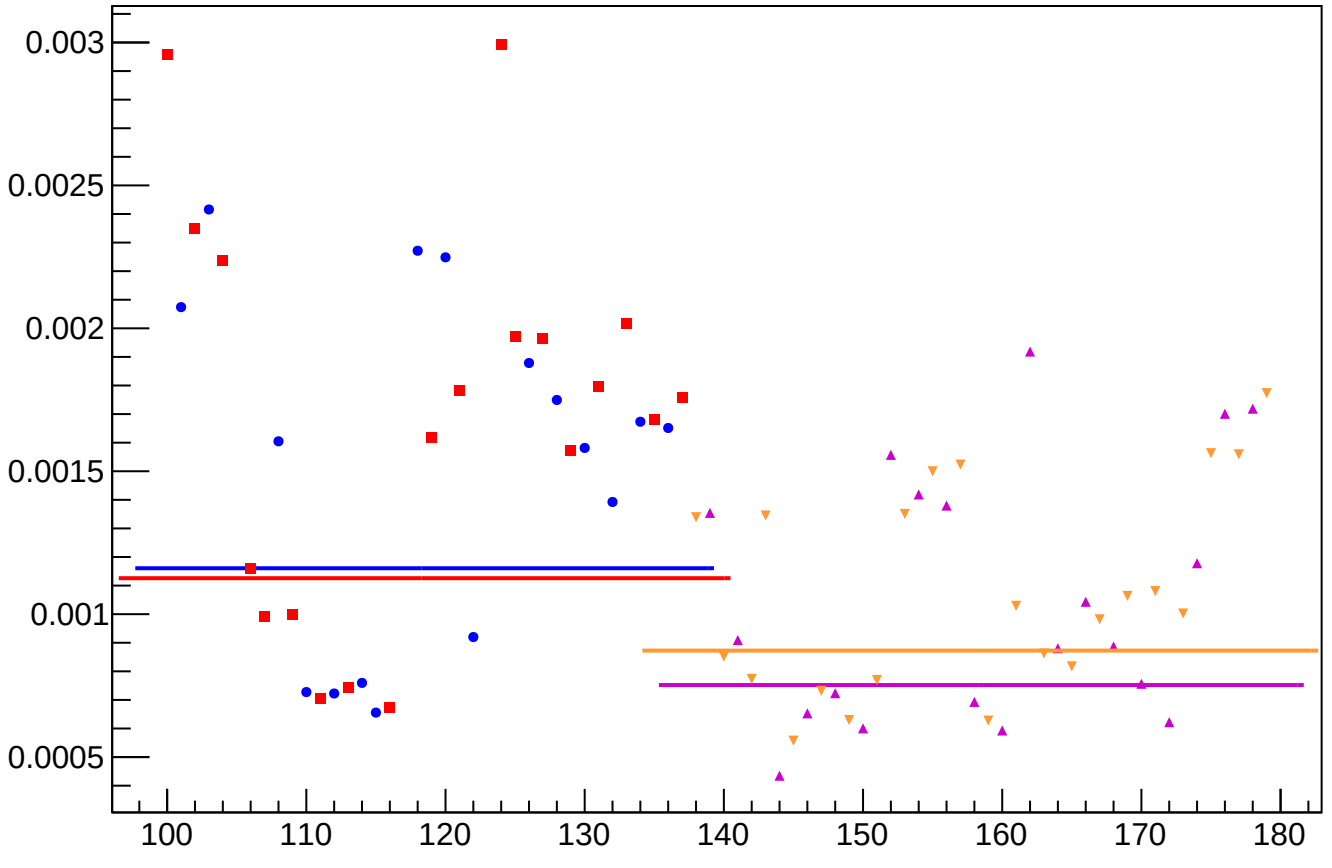
Left: 0.000+/-0.000 χ^2/NDF: 54.5/41

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.7/35

Out: 0.000+/-0.000 χ^2/NDF:54.4/40

All: 0.000+/-0.000 χ^2/NDF: 87.1/76



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3542339.0/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:4621426.9/19

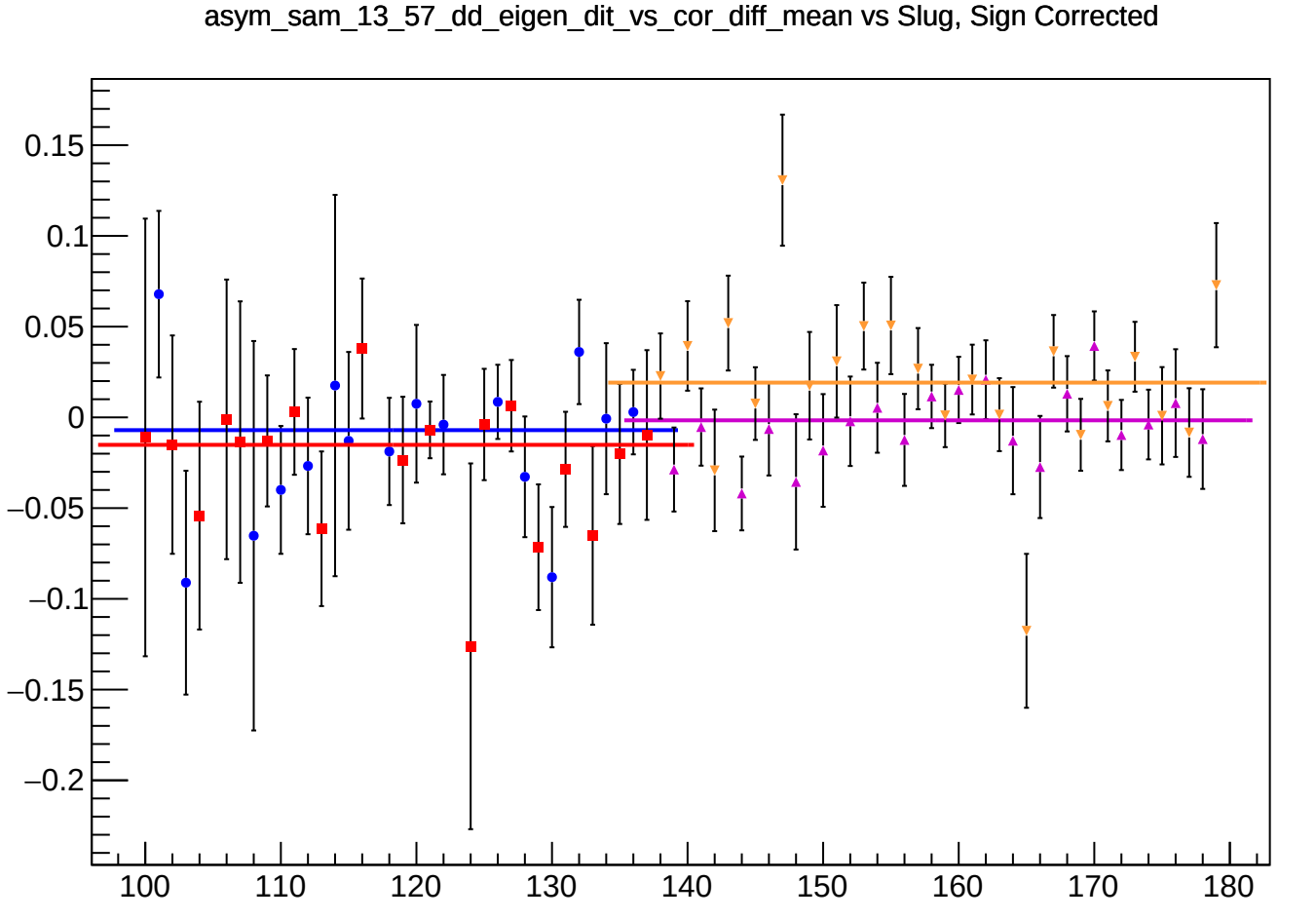
Left: 0.001+/-0.000 χ^2/NDF: 8479923.3/41

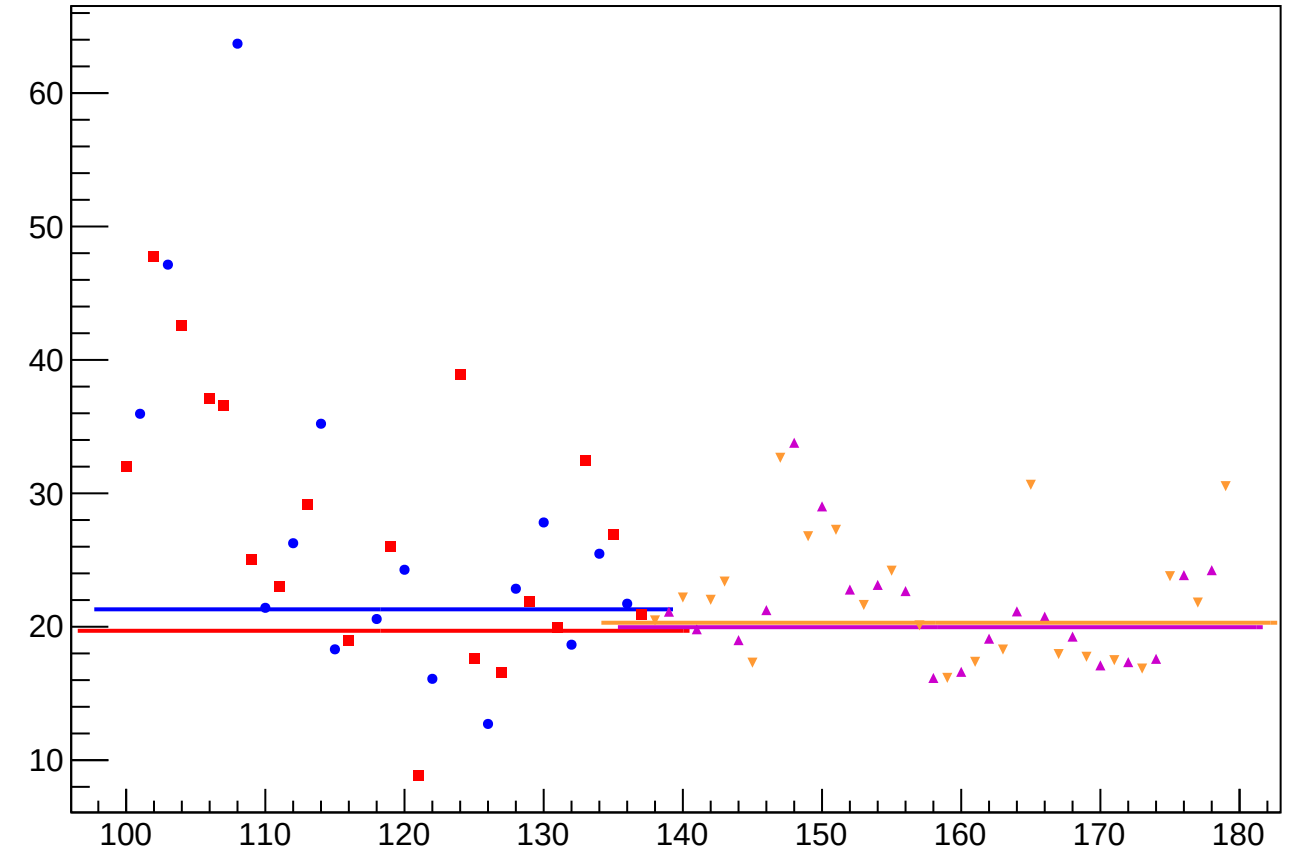
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:8389645.3/35

Out: 0.001+/-0.000 χ^2/NDF:6658472.9/40

All: 0.001+/-0.000 χ^2/NDF: 15349376.4/76


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:37.8/21
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.002+/-0.005 χ²/NDF:15.7/19
Left: 0.009+/-0.004 χ²/NDF: 62.0/41
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:30.4/35
Out: 0.010+/-0.004 χ²/NDF:60.6/40
All: 0.004+/-0.003 χ²/NDF: 95.4/76



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252423.0/21

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

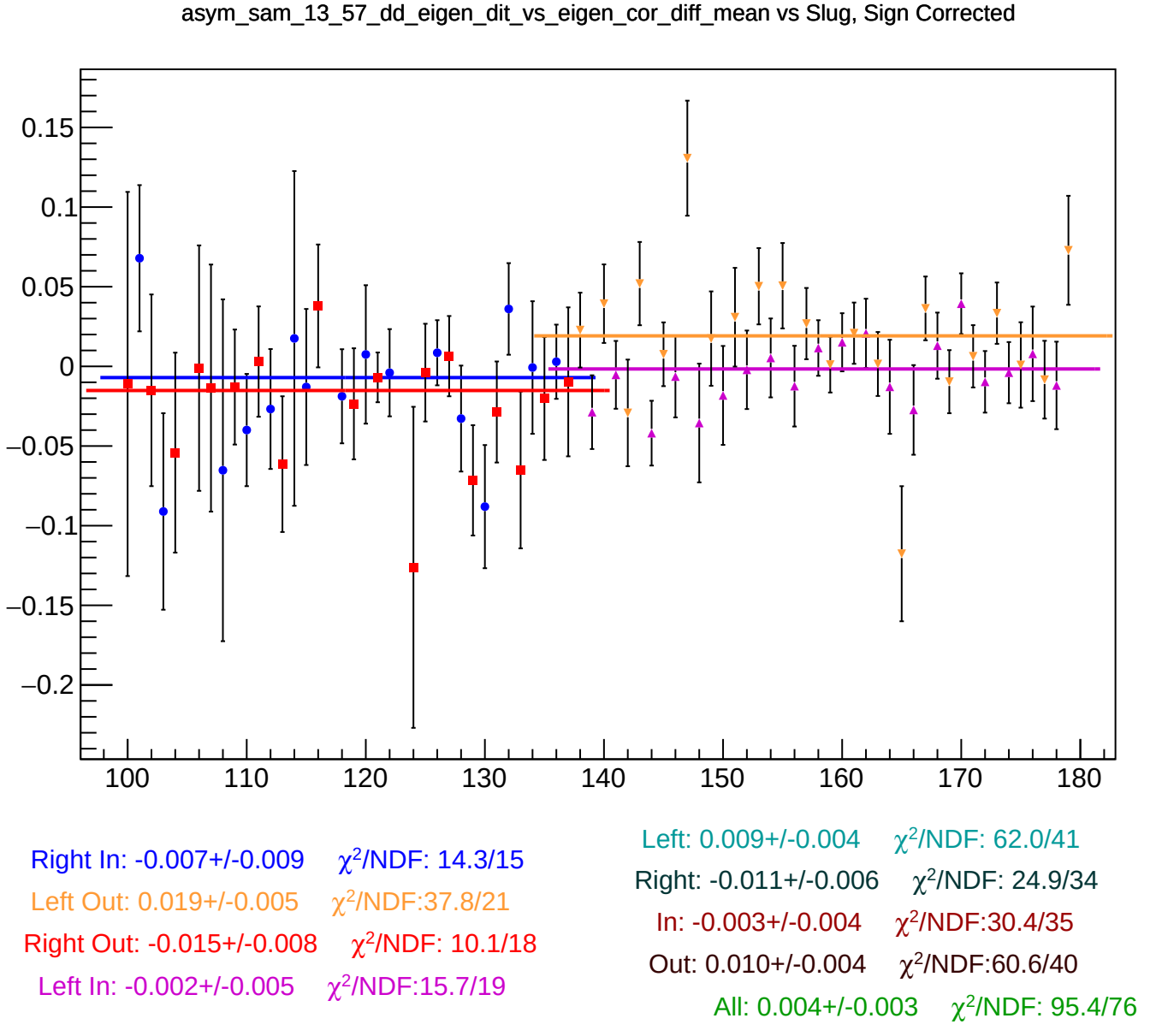
Left: 20.136+/-0.003 χ^2/NDF: 2166368.7/41

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

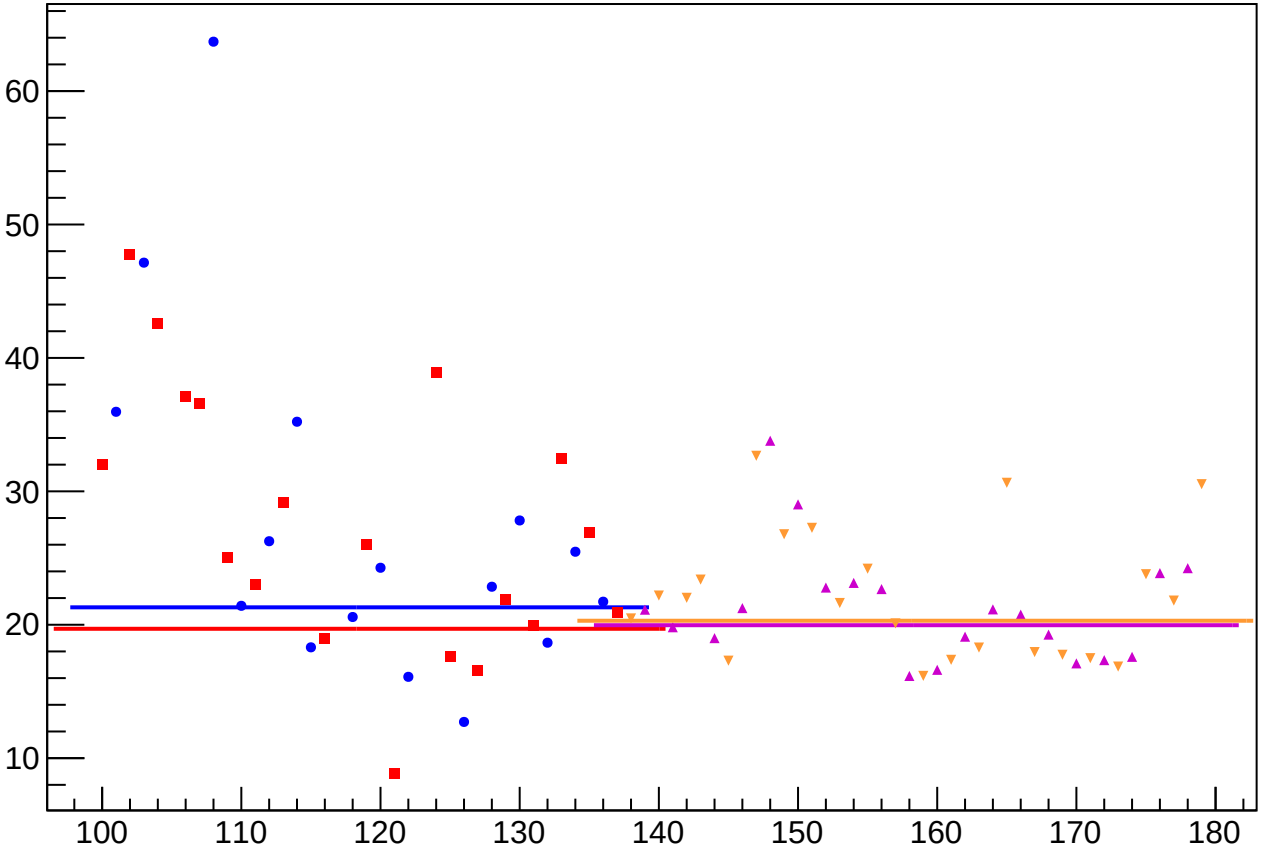
In: 20.314+/-0.003 χ^2/NDF:2424542.2/35

Out: 20.137+/-0.003 χ^2/NDF:3698869.5/40

All: 20.223+/-0.002 χ^2/NDF: 6125073.9/76


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.005 χ²/NDF:37.8/21
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.002+/-0.005 χ²/NDF:15.7/19
Left: 0.009+/-0.004 χ²/NDF: 62.0/41
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:30.4/35
Out: 0.010+/-0.004 χ²/NDF:60.6/40
All: 0.004+/-0.003 χ²/NDF: 95.4/76

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.301+/-0.004 χ^2/NDF:1252423.0/21

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

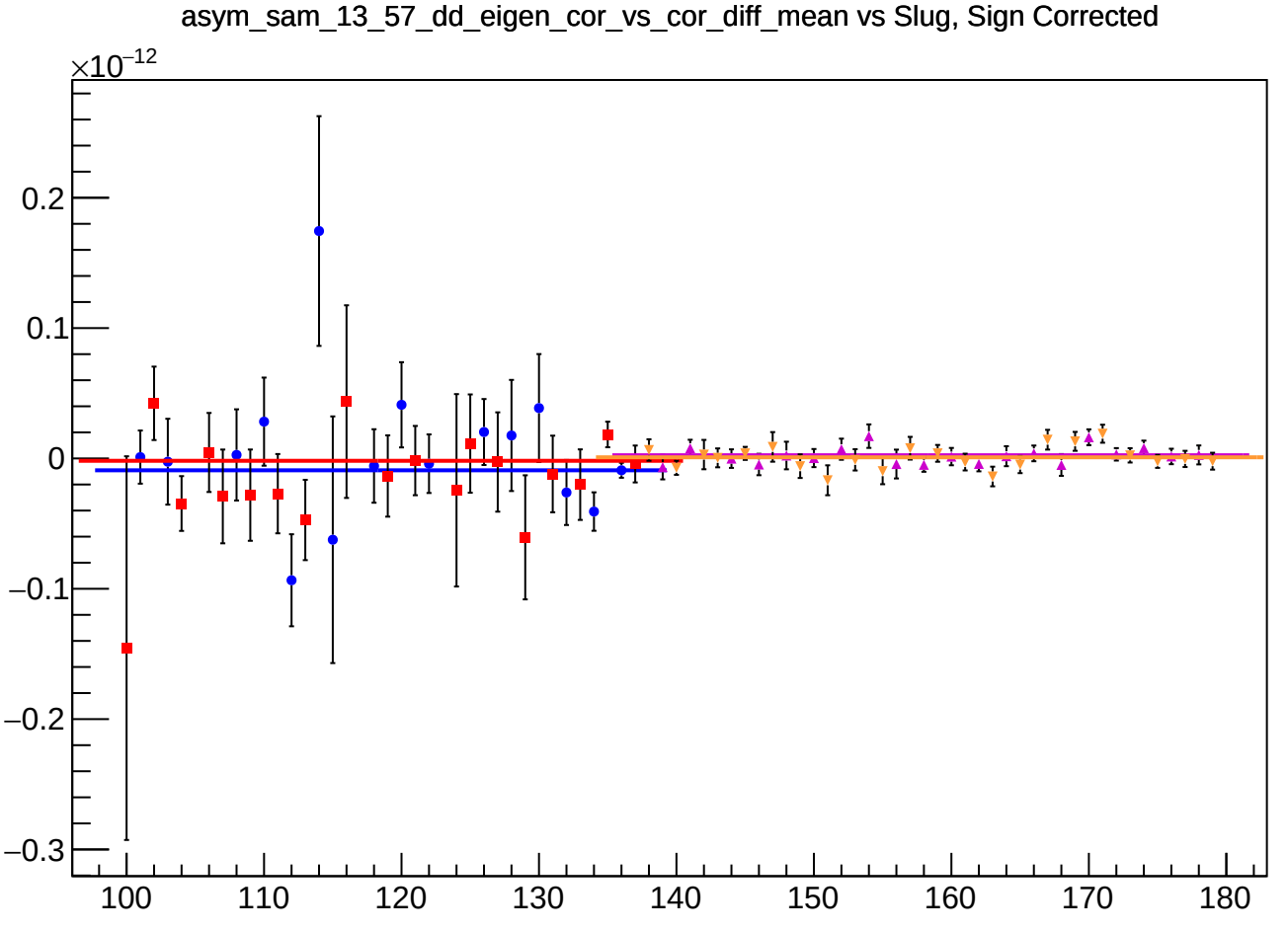
Left: 20.136+/-0.003 χ^2/NDF: 2166368.7/41

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.314+/-0.003 χ^2/NDF:2424542.2/35

Out: 20.137+/-0.003 χ^2/NDF:3698869.5/40

All: 20.223+/-0.002 χ^2/NDF: 6125073.9/76



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.0/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/19

Left: 0.000+/-0.000 χ^2/NDF: 43.8/41

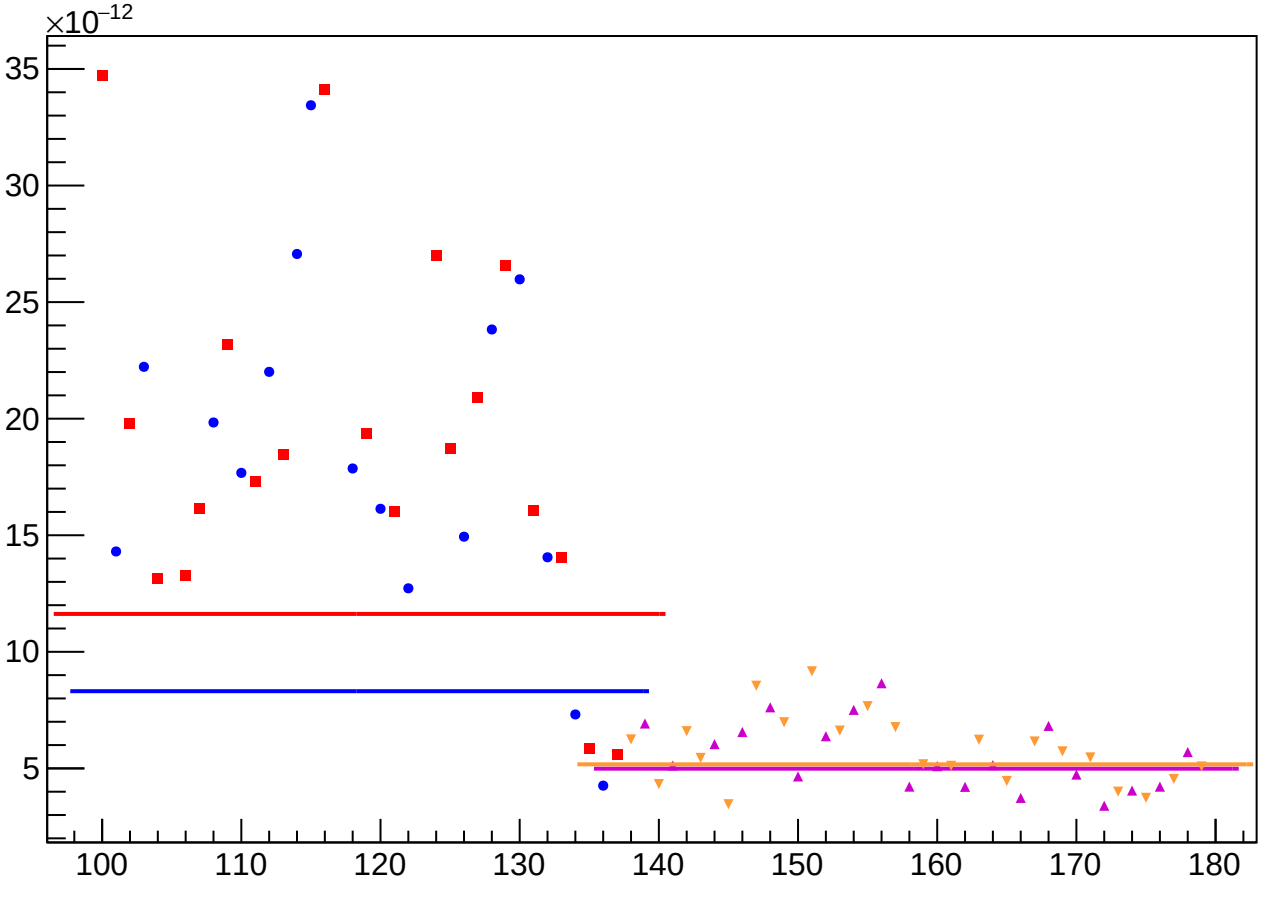
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:44.7/35

Out: 0.000+/-0.000 χ^2/NDF:44.2/40

All: 0.000+/-0.000 χ^2/NDF: 89.0/76

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1493503.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1360569.4/19

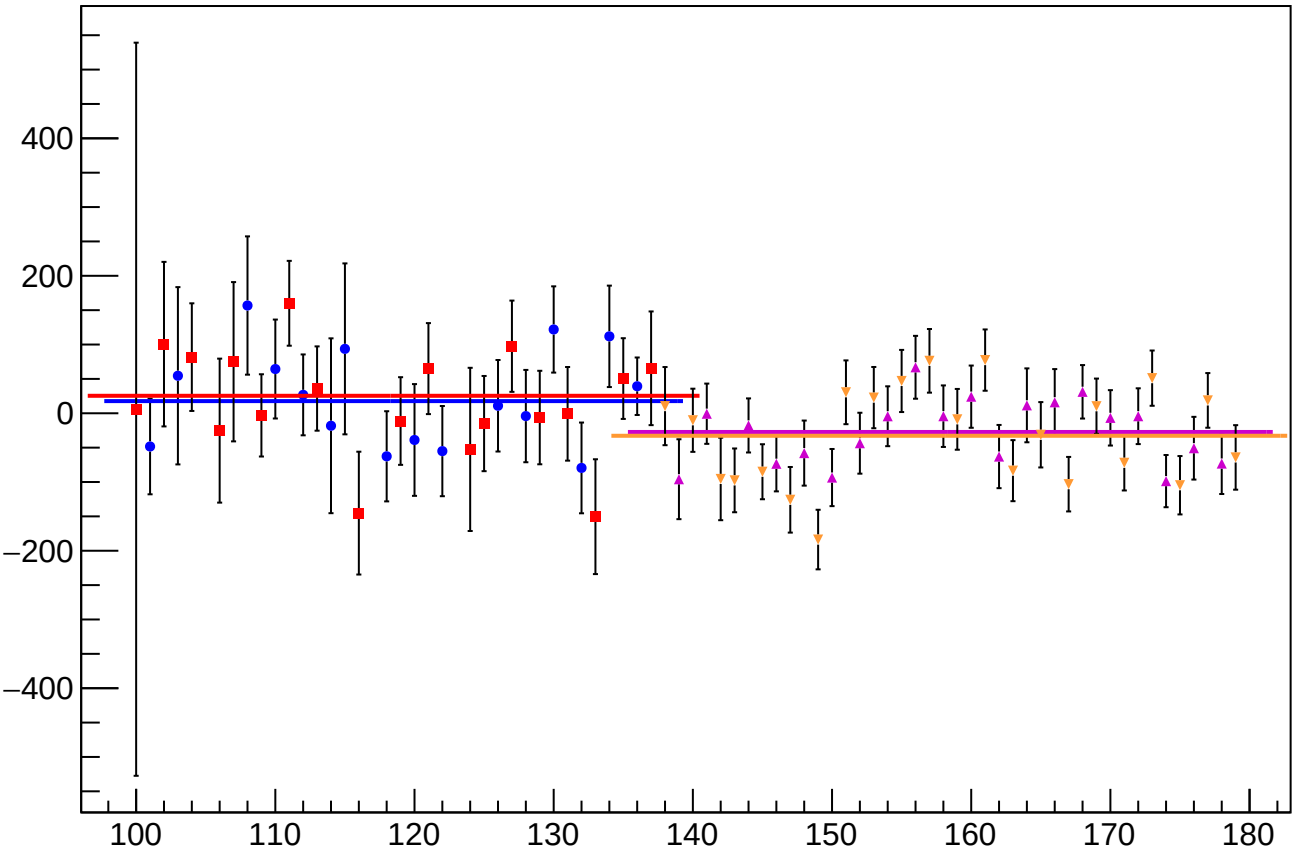
Left: 0.000+/-0.000 χ^2/NDF: 2869384.4/41

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:6072779.8/35

Out: 0.000+/-0.000 χ^2/NDF:6513982.6/40

All: 0.000+/-0.000 χ^2/NDF: 12618875.6/76



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.735+/-9.474 χ^2/NDF:55.9/21

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -27.202+/-9.795 χ^2/NDF:22.0/19

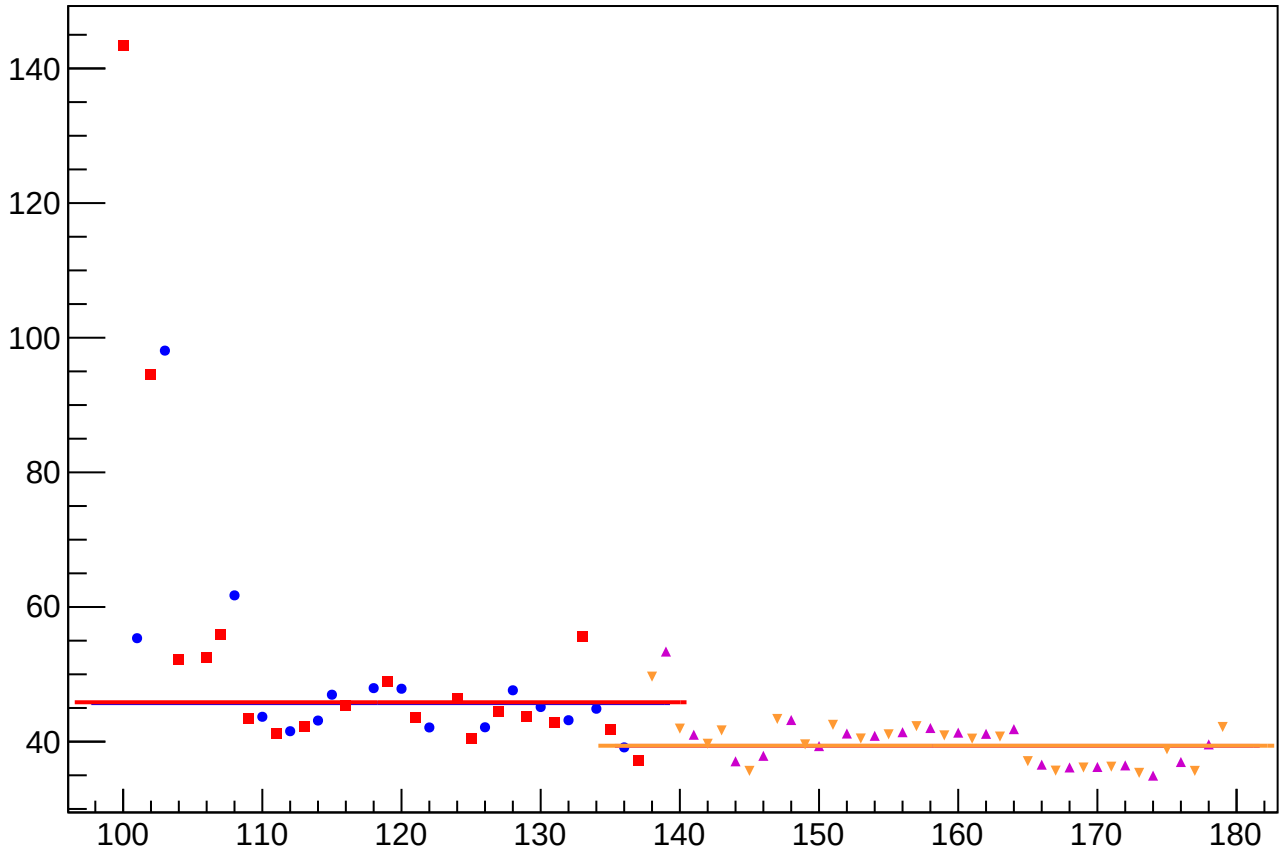
Left: -30.060+/-6.810 χ^2/NDF: 78.0/41

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -16.463+/-8.544 χ^2/NDF:40.9/35

Out: -19.357+/-8.314 χ^2/NDF:82.4/40

All: -17.949+/-5.958 χ^2/NDF: 123.4/76



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.3/19

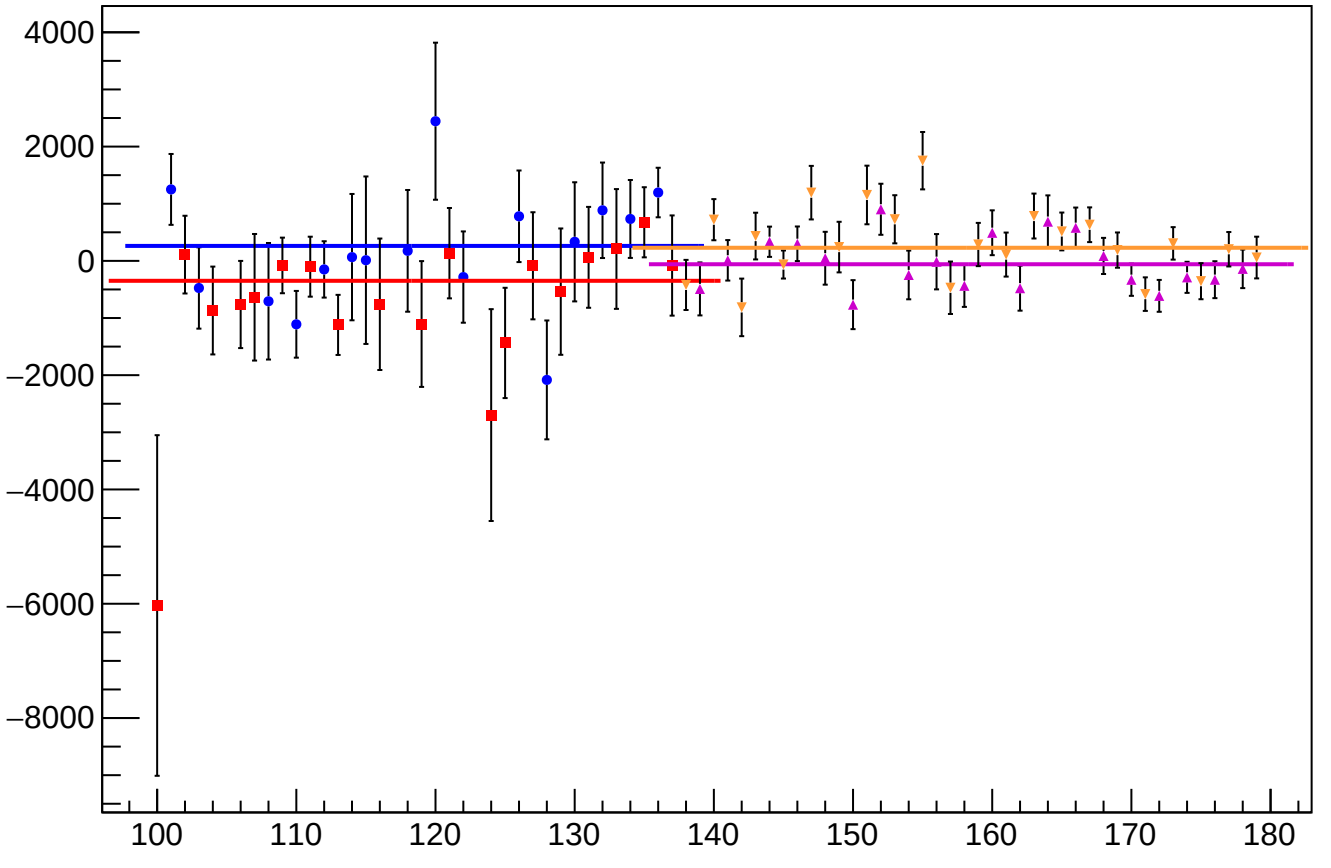
Left: 39.379+/-0.005 χ^2/NDF: 470666.7/41

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.885+/-0.006 χ^2/NDF:948211.5/35

Out: 40.878+/-0.006 χ^2/NDF:979511.0/40

All: 40.881+/-0.004 χ^2/NDF: 1927723.1/76



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 229.337+/-76.594 χ^2/NDF:46.5/21

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -58.882+/-78.311 χ^2/NDF:28.7/19

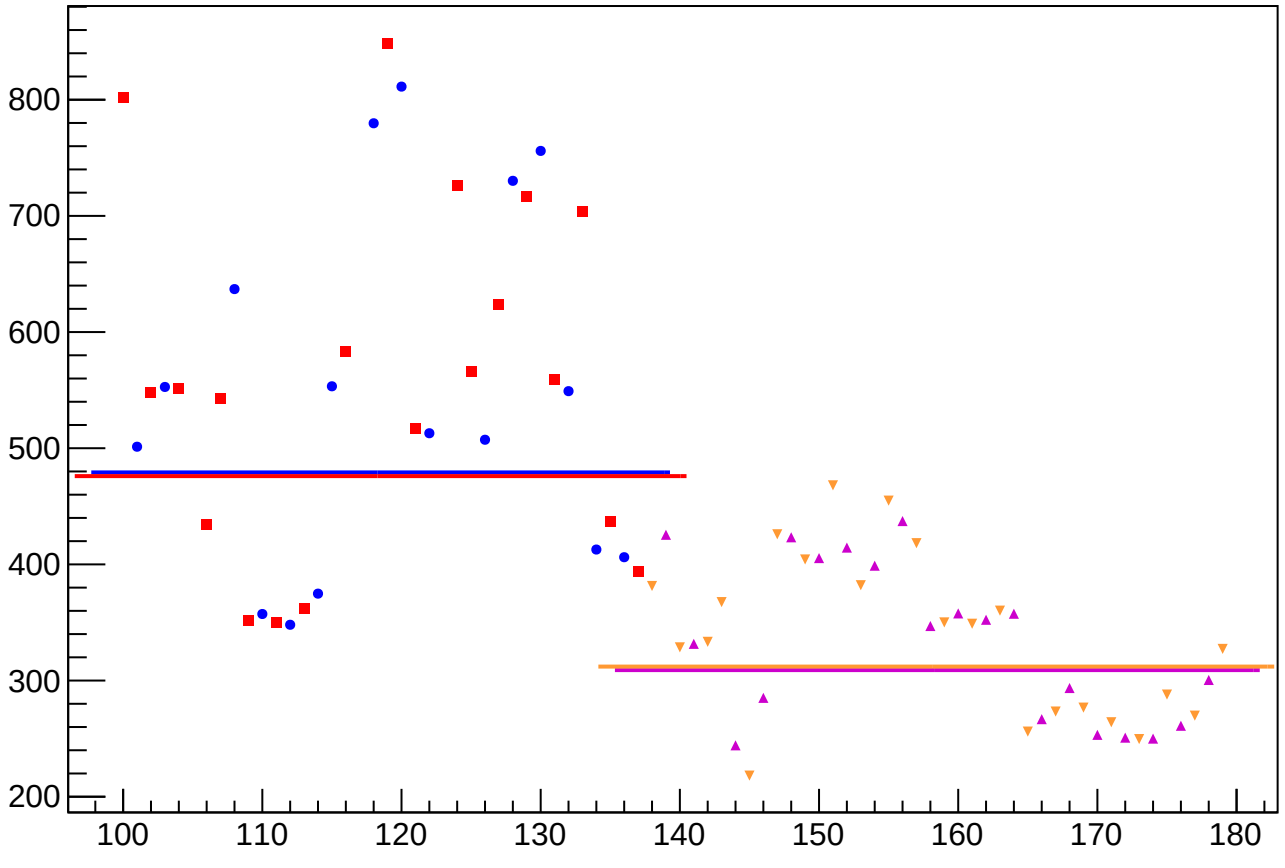
Left: 88.421+/-54.757 χ^2/NDF: 82.1/41

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: -10.225+/-72.129 χ^2/NDF:56.2/35

Out: 141.286+/-70.519 χ^2/NDF:70.1/40

All: 67.240+/-50.424 χ^2/NDF: 128.5/76



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490103.4/21

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 308.999+/-0.055 χ^2/NDF:1267405.3/19

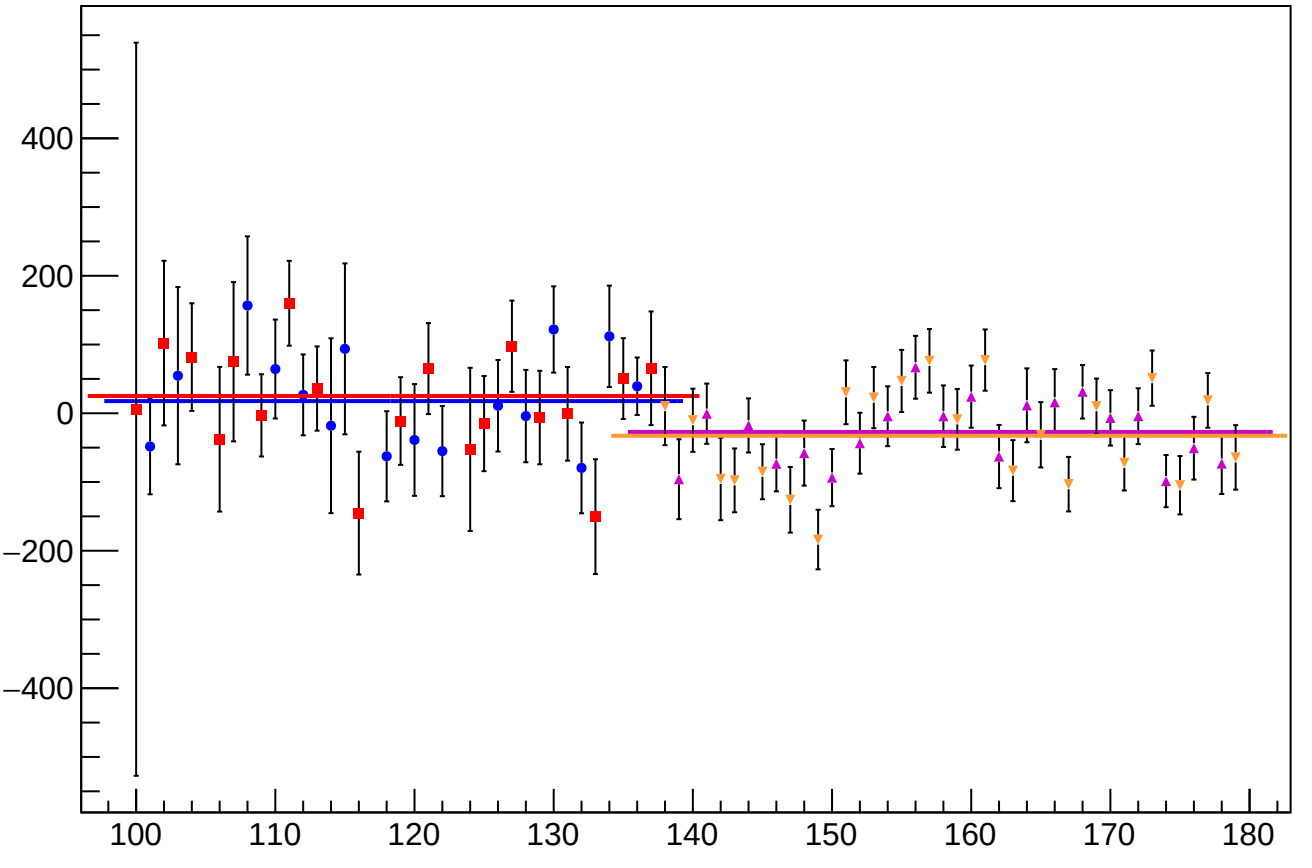
Left: 310.544+/-0.039 χ^2/NDF: 2759031.1/41

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 334.809+/-0.051 χ^2/NDF:3652535.1/35

Out: 336.999+/-0.050 χ^2/NDF:3892827.3/40

All: 335.929+/-0.036 χ^2/NDF: 7546305.1/76



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.201+/-9.795 χ^2/NDF:22.0/19

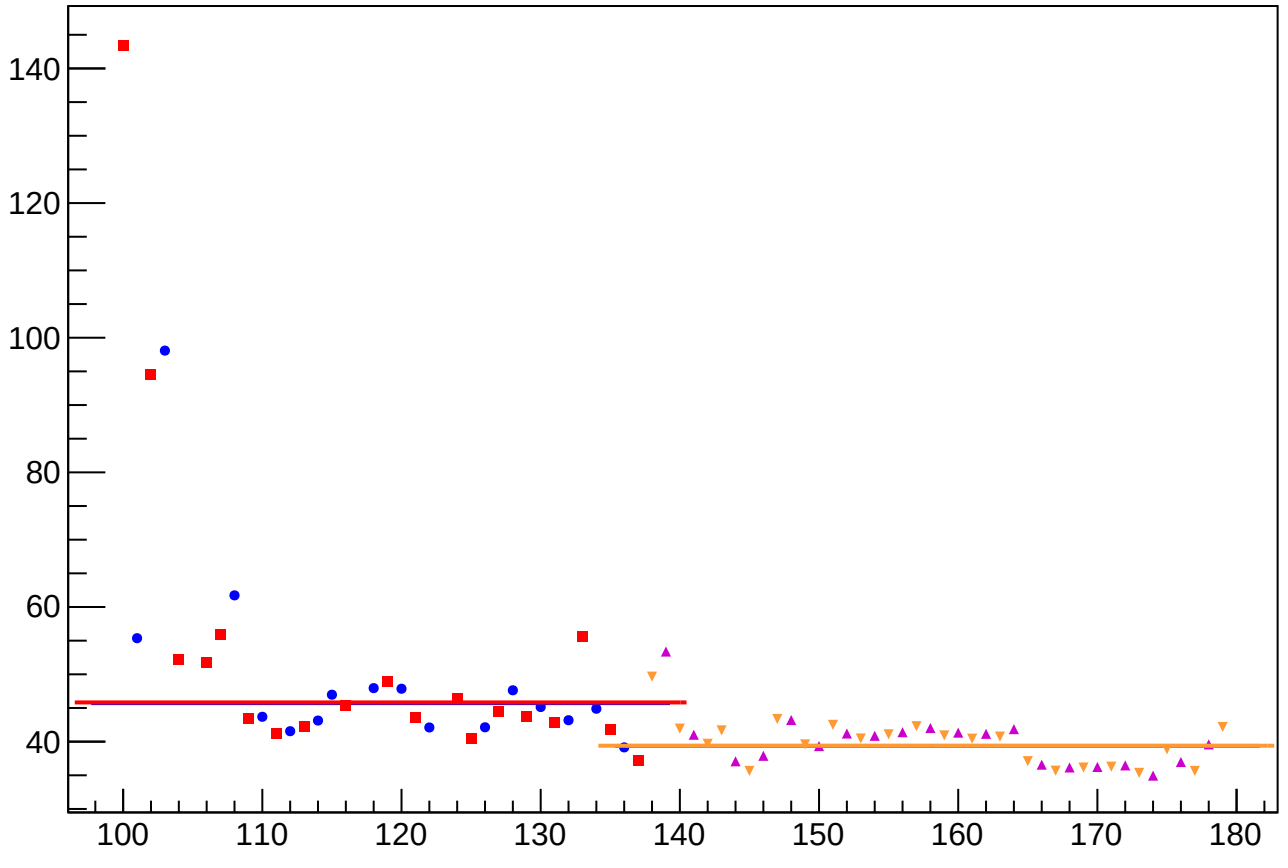
Left: -30.060+/-6.810 χ^2/NDF: 78.0/41

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.461+/-8.544 χ^2/NDF:40.9/35

Out: -19.428+/-8.314 χ^2/NDF:82.5/40

All: -17.985+/-5.958 χ^2/NDF: 123.5/76



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.2/19

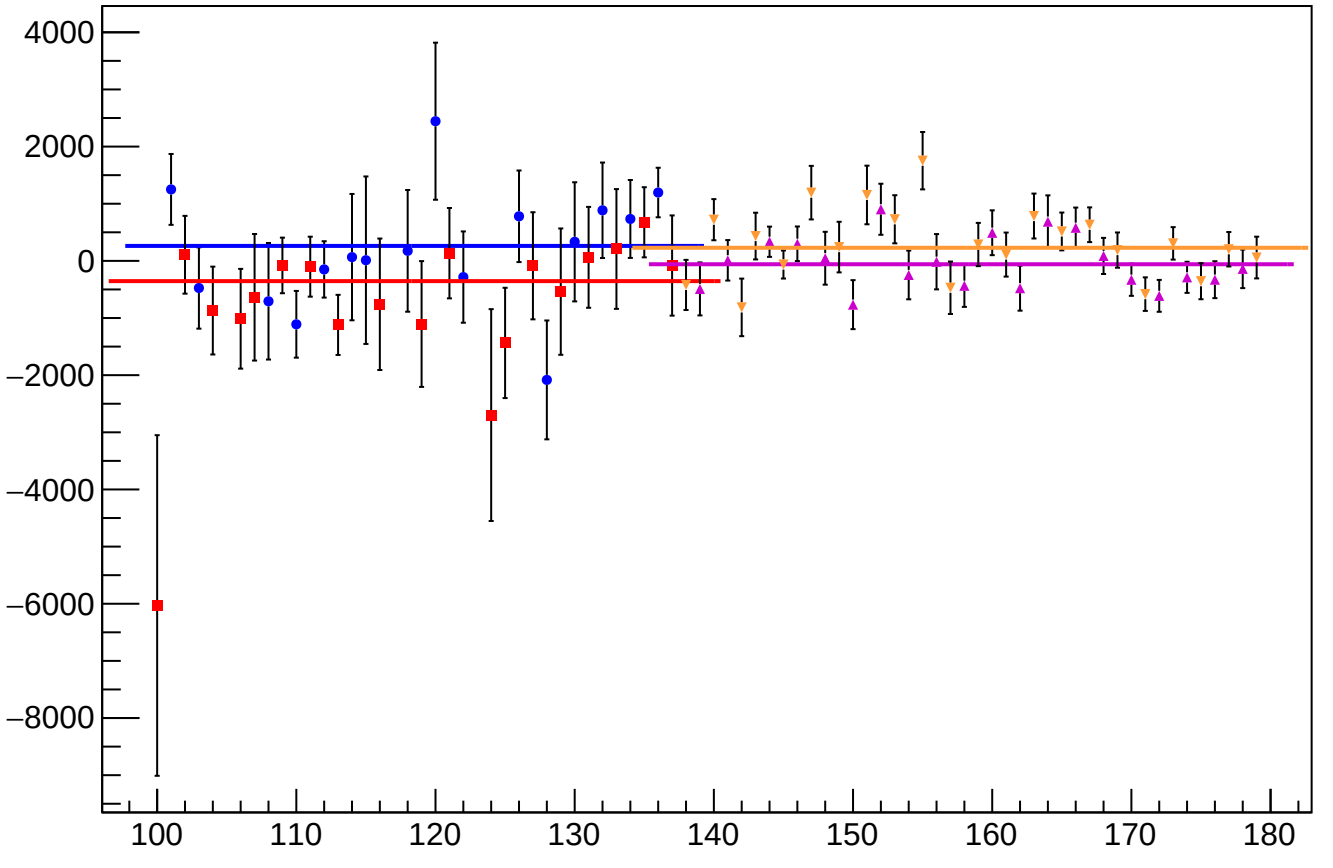
Left: 39.379+/-0.005 χ^2/NDF: 470666.7/41

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.885+/-0.006 χ^2/NDF:948214.4/35

Out: 40.873+/-0.006 χ^2/NDF:976206.5/40

All: 40.878+/-0.004 χ^2/NDF: 1924423.0/76



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 229.335+/-76.594 χ^2/NDF:46.5/21

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -58.879+/-78.311 χ^2/NDF:28.7/19

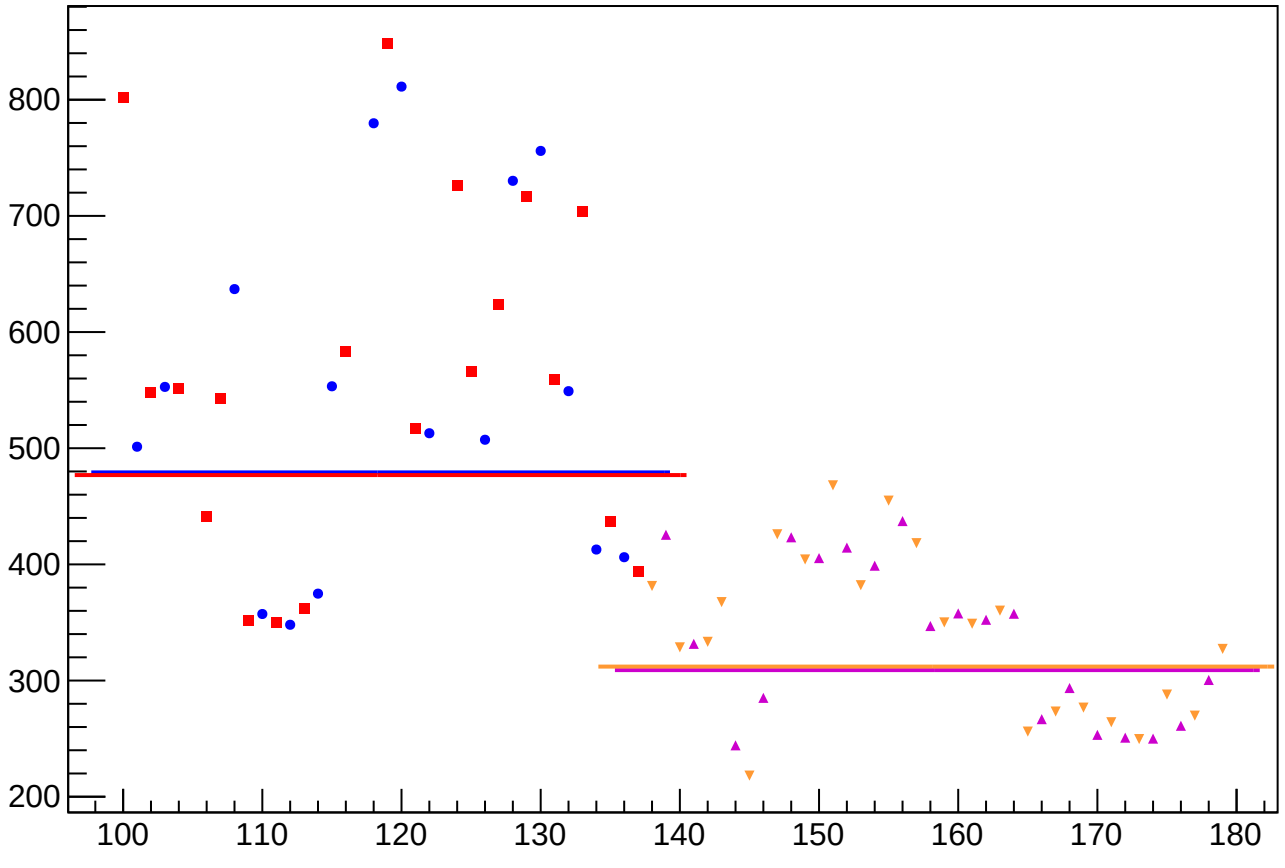
Left: 88.422+/-54.757 χ^2/NDF: 82.1/41

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -10.222+/-72.129 χ^2/NDF:56.2/35

Out: 141.454+/-70.591 χ^2/NDF:70.4/40

All: 67.249+/-50.450 χ^2/NDF: 128.9/76



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 308.999+/-0.055 χ^2/NDF:1267413.8/19

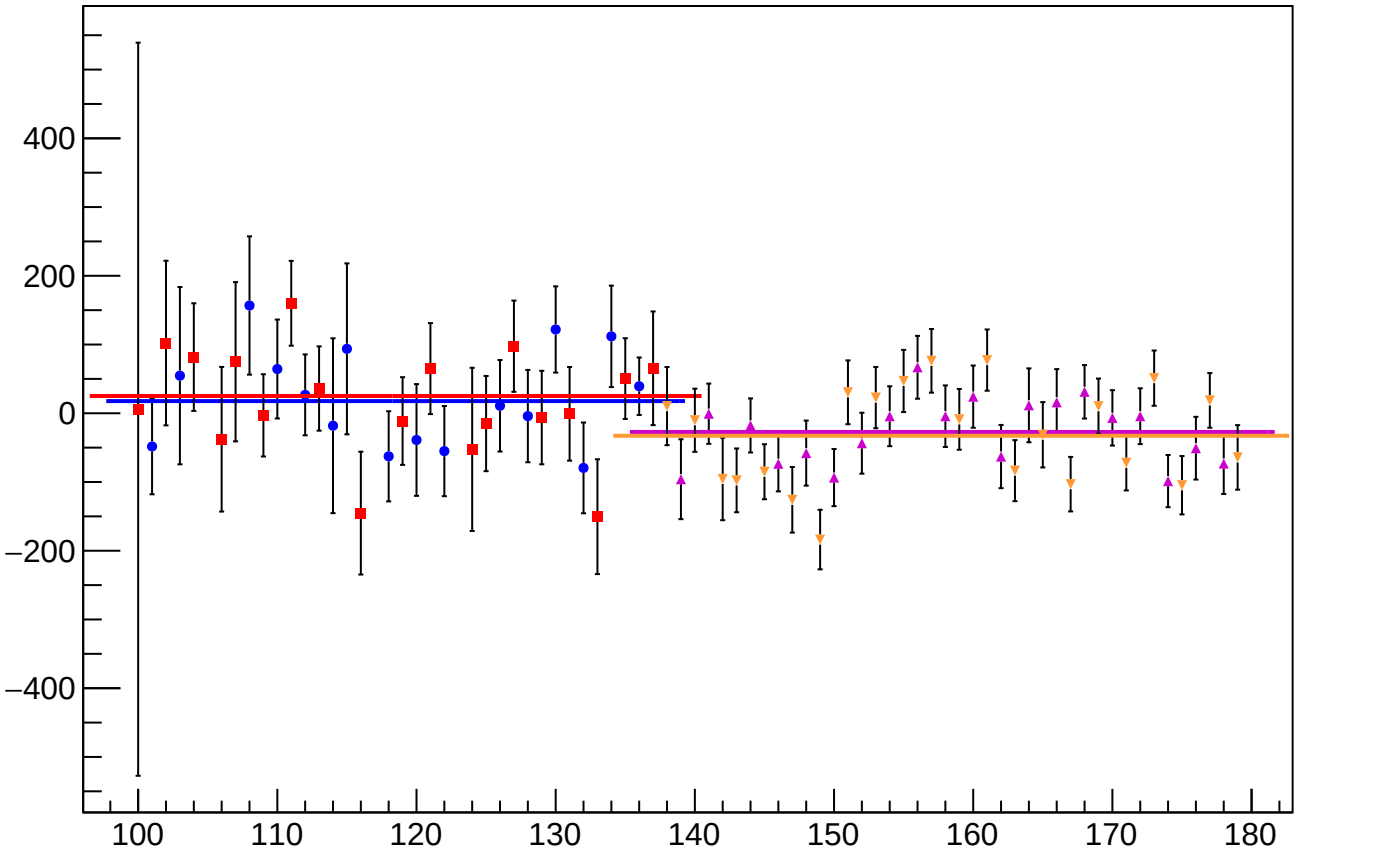
Left: 310.544+/-0.039 χ^2/NDF: 2759037.1/41

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 334.809+/-0.051 χ^2/NDF:3652597.0/35

Out: 336.851+/-0.050 χ^2/NDF:3889452.6/40

All: 335.852+/-0.036 χ^2/NDF: 7542868.4/76



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -32.736+/-9.474 χ^2/NDF:55.9/21

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.201+/-9.795 χ^2/NDF:22.0/19

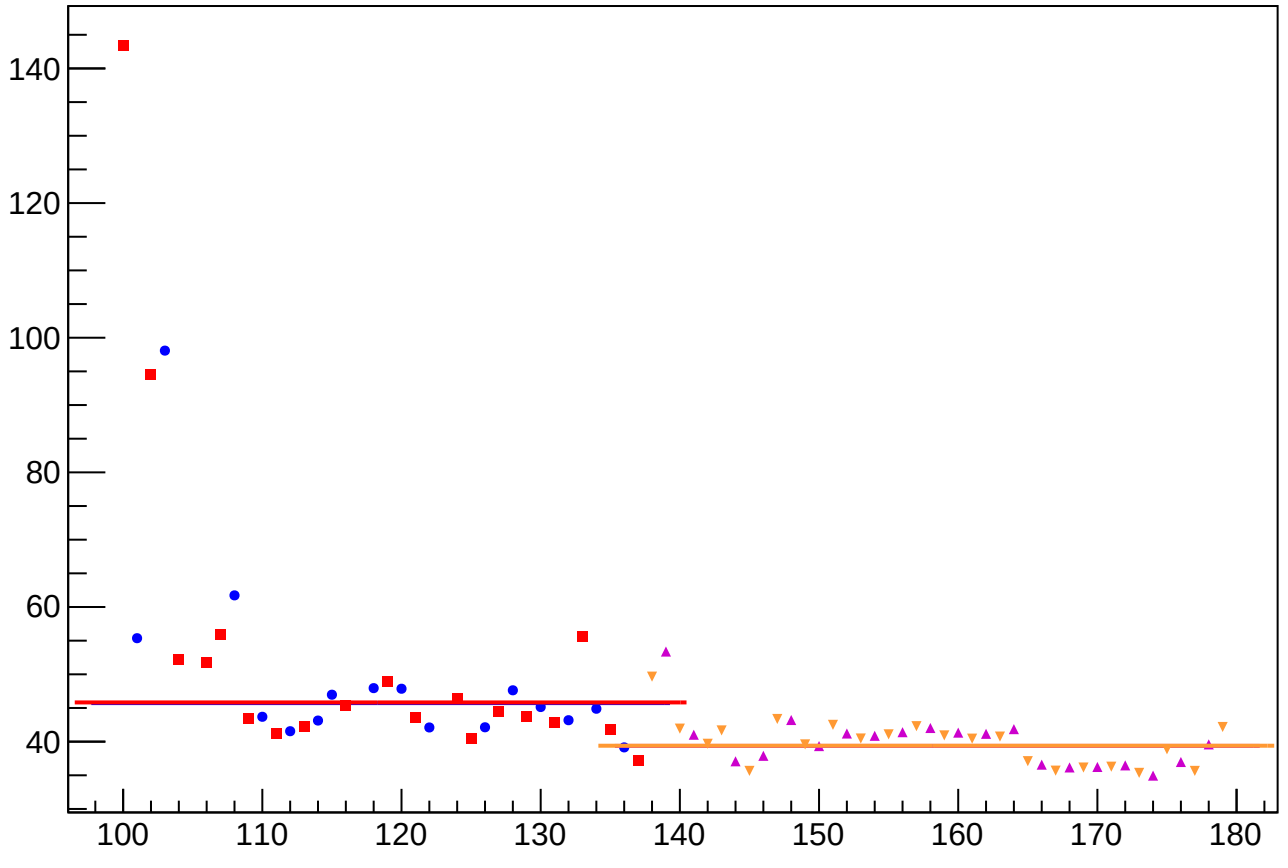
Left: -30.060+/-6.810 χ^2/NDF: 78.0/41

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.461+/-8.544 χ^2/NDF:40.9/35

Out: -19.428+/-8.314 χ^2/NDF:82.5/40

All: -17.985+/-5.958 χ^2/NDF: 123.5/76



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.394+/-0.007 χ^2/NDF:225829.0/21

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.363+/-0.007 χ^2/NDF:244827.2/19

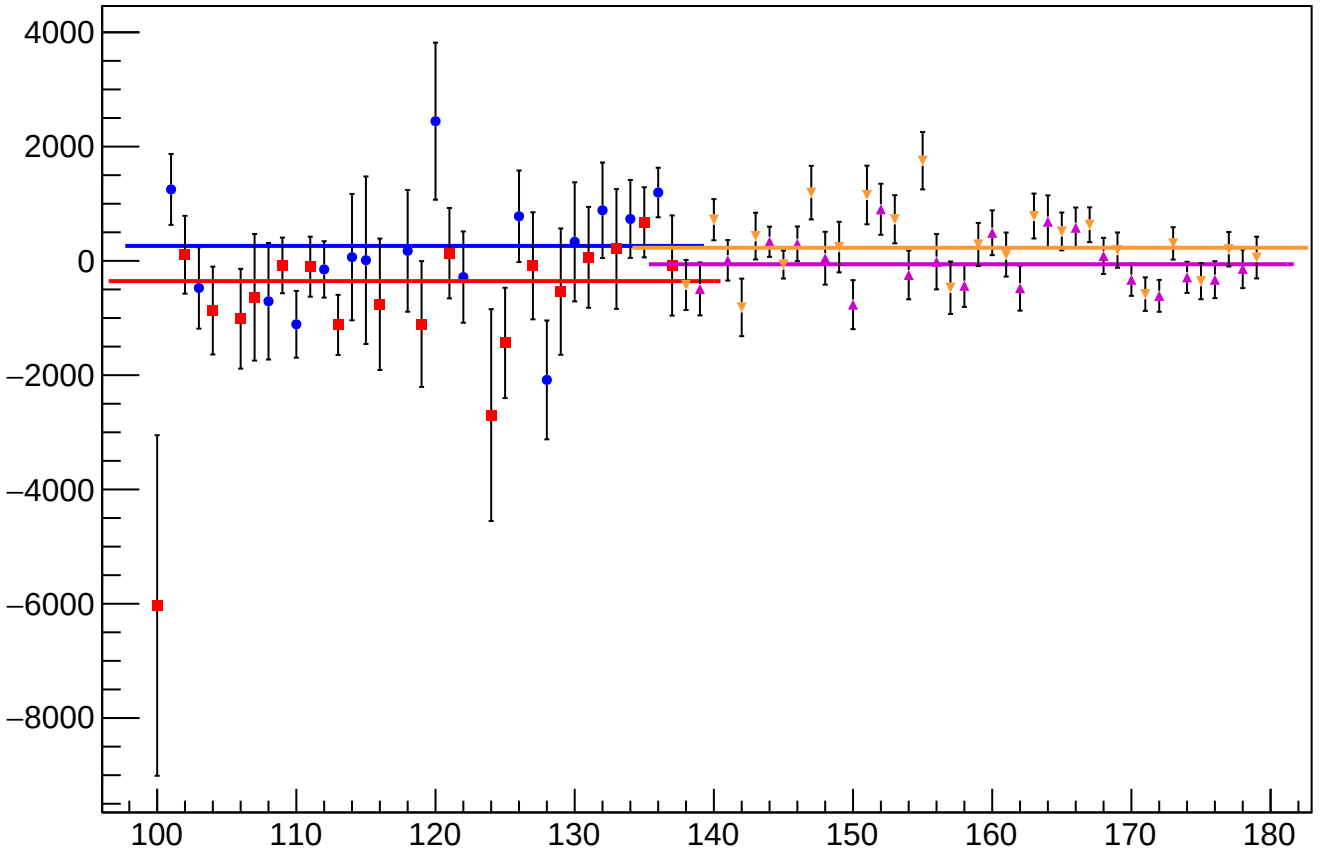
Left: 39.379+/-0.005 χ^2/NDF: 470666.7/41

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.885+/-0.006 χ^2/NDF:948214.4/35

Out: 40.873+/-0.006 χ^2/NDF:976206.5/40

All: 40.878+/-0.004 χ^2/NDF: 1924423.0/76



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 229.335+/-76.594 χ^2/NDF:46.5/21

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -58.879+/-78.311 χ^2/NDF:28.7/19

Left: 88.422+/-54.757 χ^2/NDF: 82.1/41

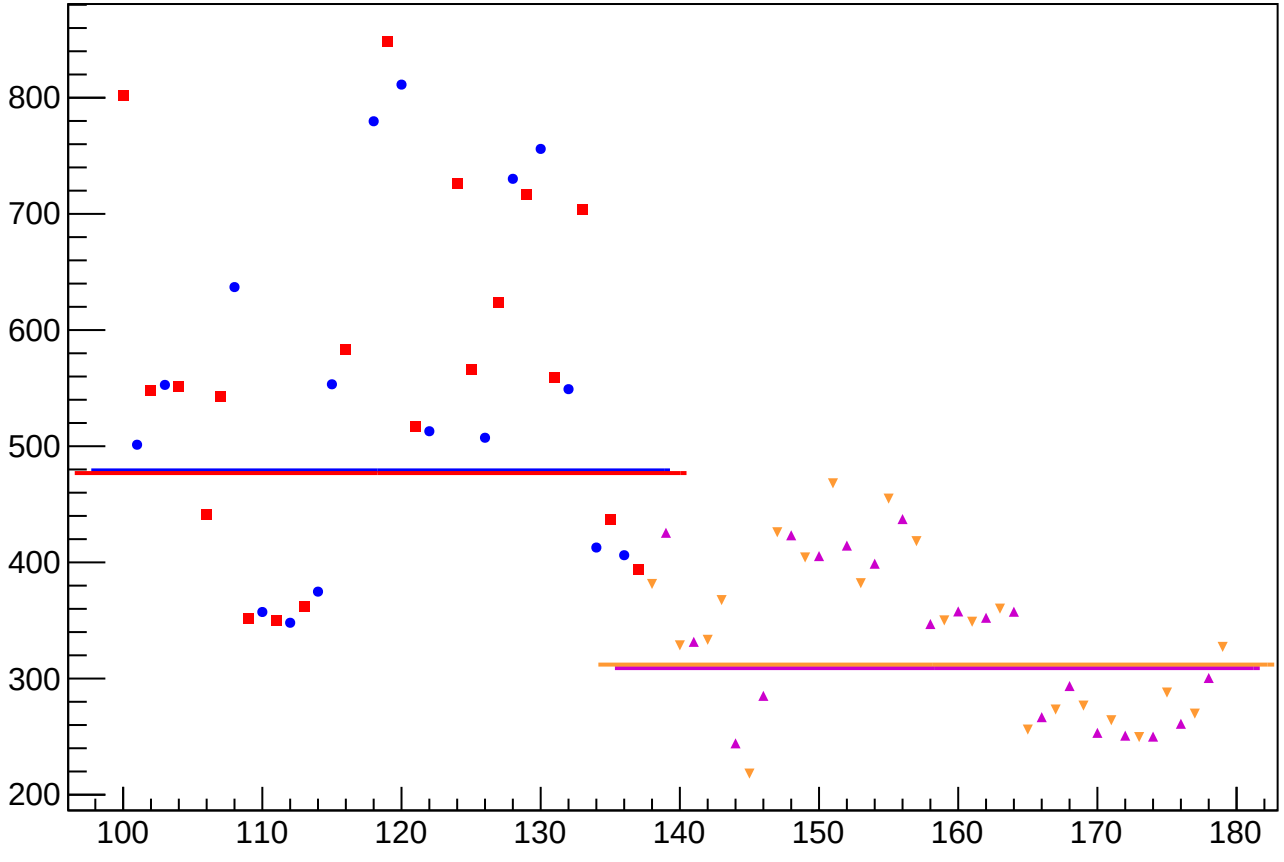
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -10.222+/-72.129 χ^2/NDF:56.2/35

Out: 141.454+/-70.591 χ^2/NDF:70.4/40

All: 67.249+/-50.450 χ^2/NDF: 128.9/76

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 312.021+/-0.054 χ^2/NDF:1490100.9/21

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 308.999+/-0.055 χ^2/NDF:1267413.8/19

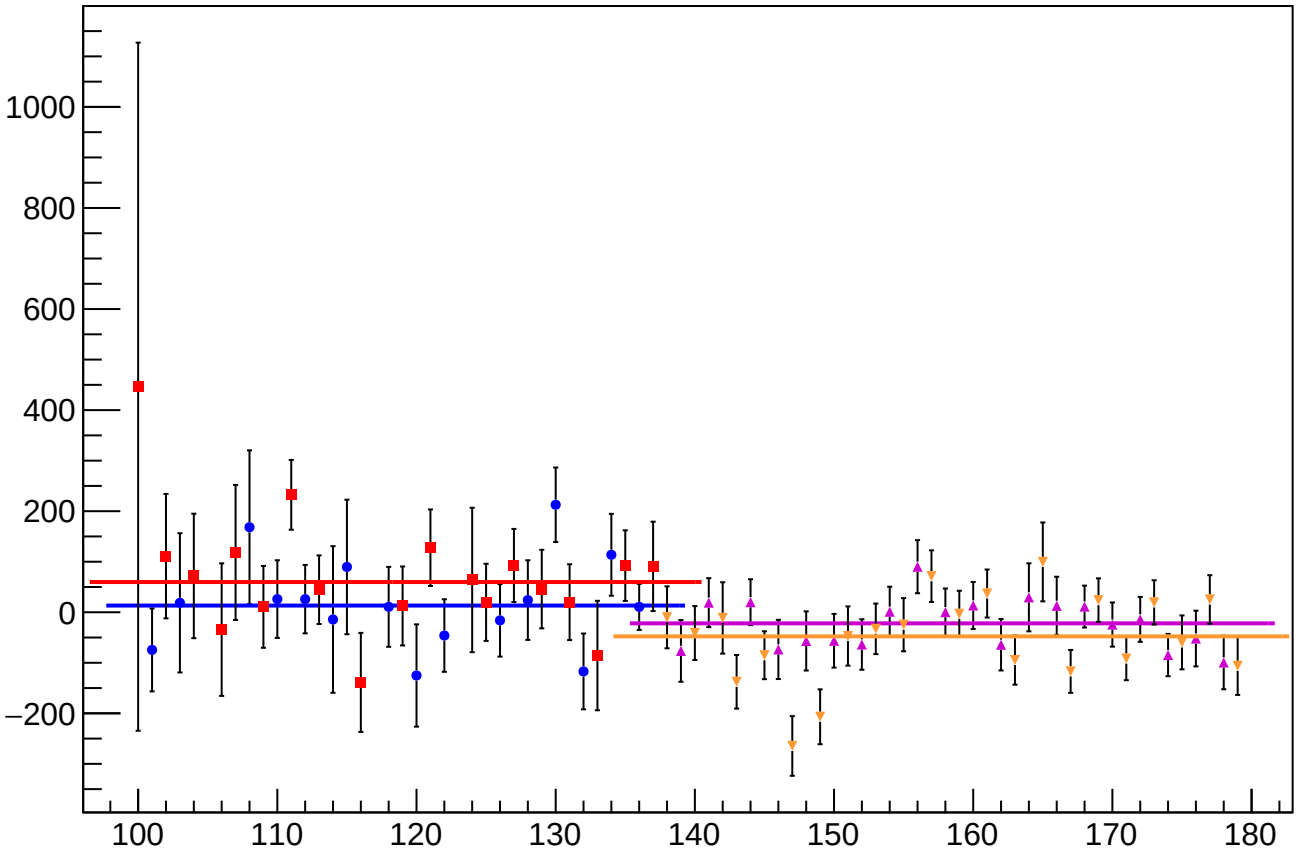
Left: 310.544+/-0.039 χ^2/NDF: 2759037.1/41

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 334.809+/-0.051 χ^2/NDF:3652597.0/35

Out: 336.851+/-0.050 χ^2/NDF:3889452.6/40

All: 335.852+/-0.036 χ^2/NDF: 7542868.4/76



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.722+/-10.886 χ^2/NDF:52.8/21

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -21.942+/-11.193 χ^2/NDF:17.2/19

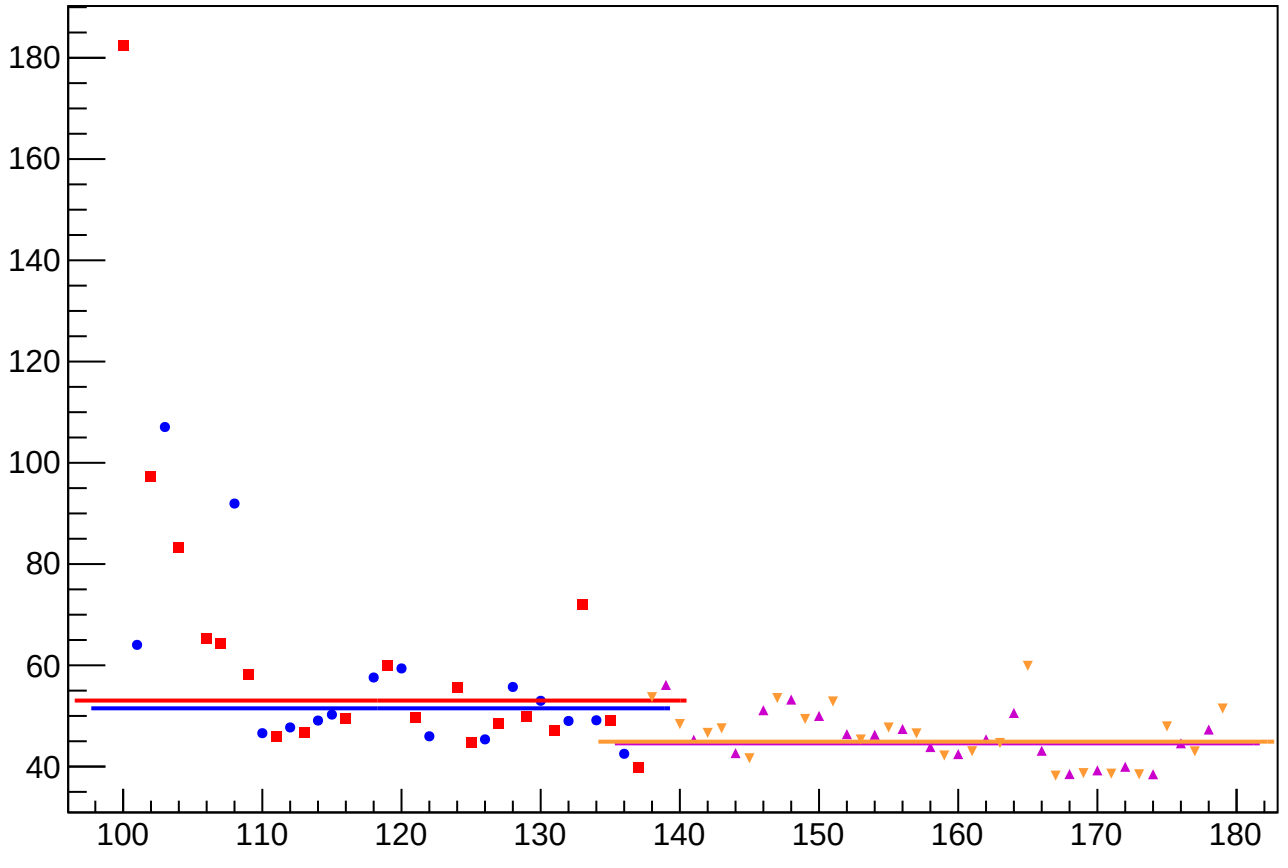
Left: -35.190+/-7.804 χ^2/NDF: 72.7/41

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -13.448+/-9.749 χ^2/NDF:36.8/35

Out: -23.584+/-9.587 χ^2/NDF:90.8/40

All: -18.601+/-6.836 χ^2/NDF: 128.2/76



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.918+/-0.008 χ^2/NDF:464155.1/21

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.581+/-0.008 χ^2/NDF:340009.5/19

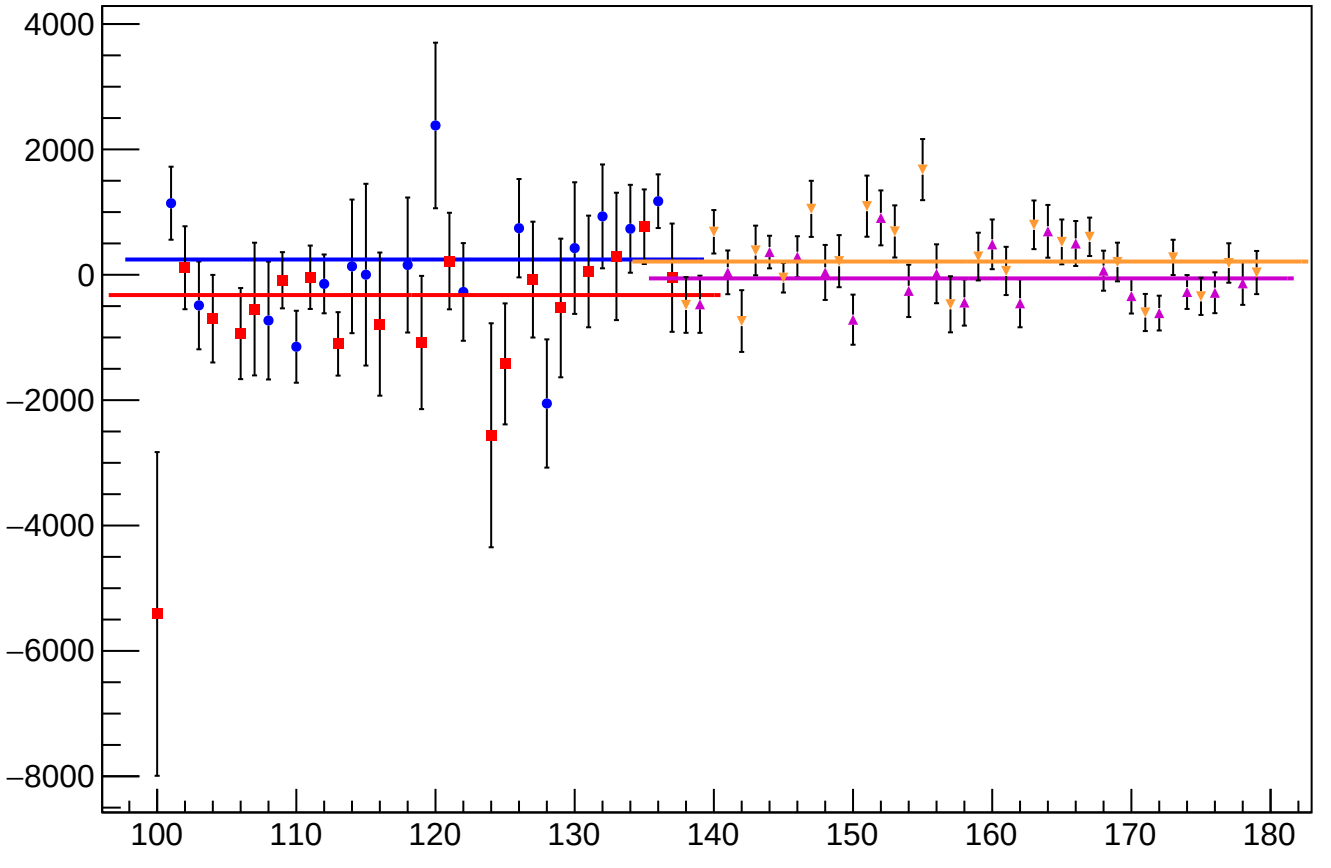
Left: 44.754+/-0.006 χ^2/NDF: 805091.9/41

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.252+/-0.007 χ^2/NDF:1191732.4/35

Out: 46.740+/-0.007 χ^2/NDF:1426844.8/40

All: 46.500+/-0.005 χ^2/NDF: 2621129.3/76



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 211.351+/-75.589 χ^2/NDF:45.2/21

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -57.894+/-77.800 χ^2/NDF:28.5/19

Left: 80.609+/-54.214 χ^2/NDF: 79.8/41

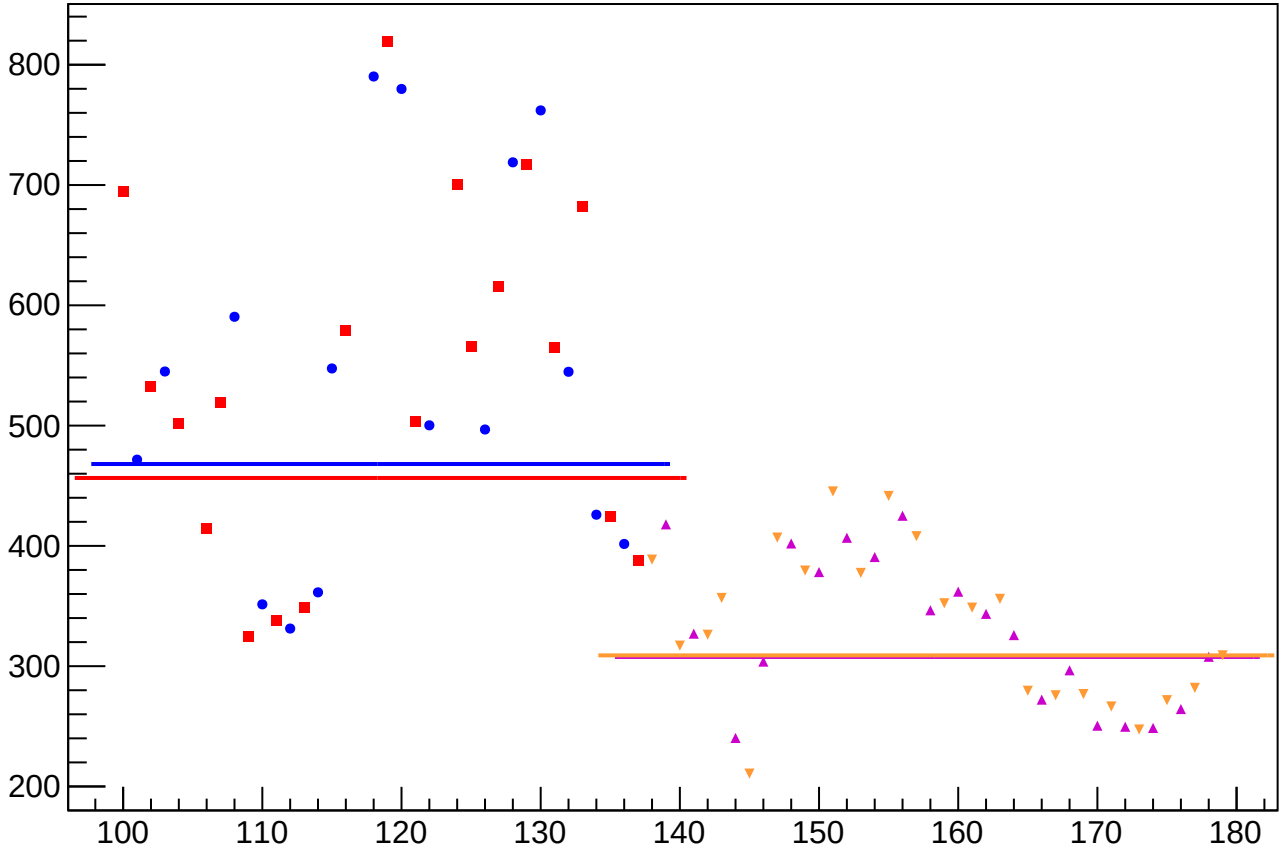
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: -10.785+/-71.469 χ^2/NDF:56.4/35

Out: 126.115+/-69.306 χ^2/NDF:69.6/40

All: 59.768+/-49.754 χ^2/NDF: 127.9/76

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 308.977+/-0.053 χ^2/NDF:1372525.3/21

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 307.680+/-0.055 χ^2/NDF:1123498.6/19

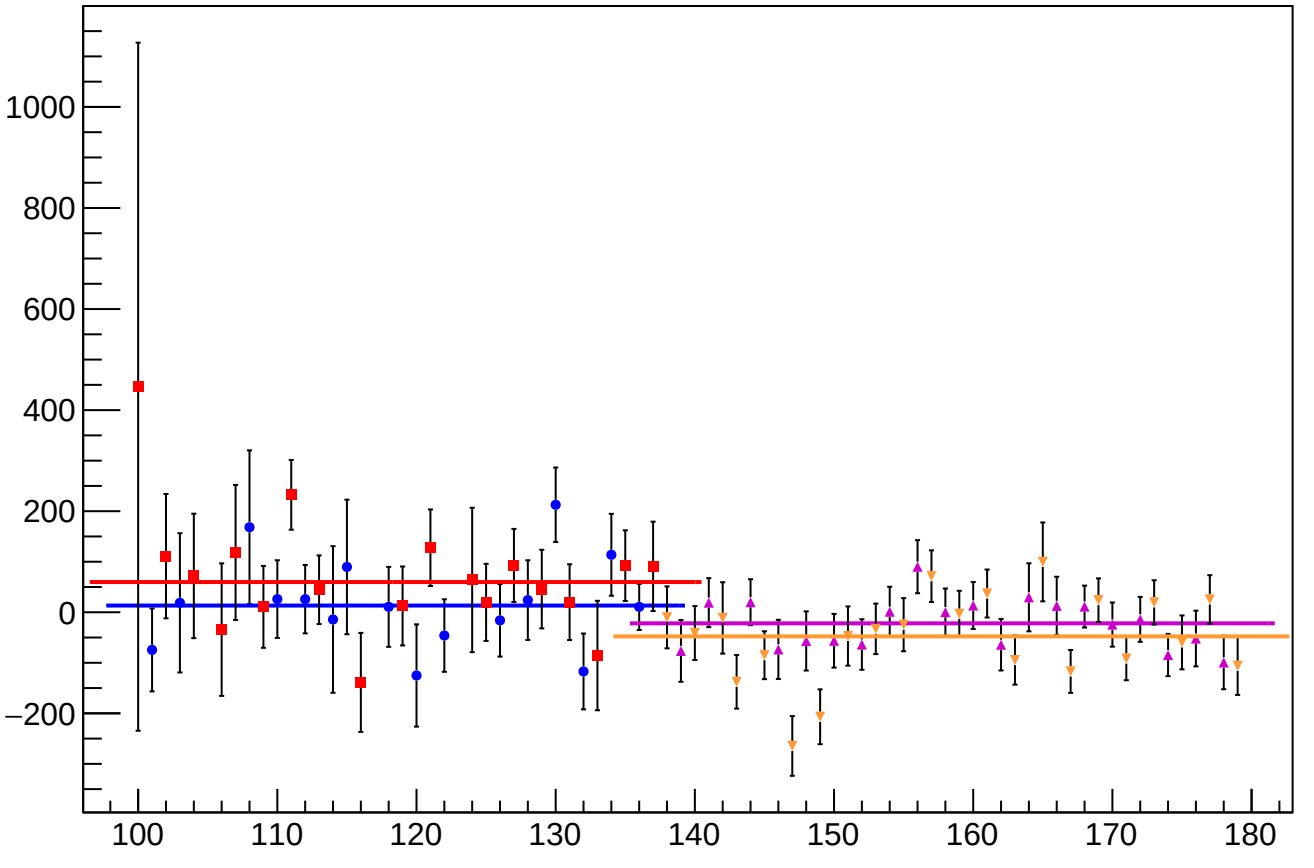
Left: 308.348+/-0.038 χ^2/NDF: 2496309.9/41

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 332.722+/-0.051 χ^2/NDF:3433475.7/35

Out: 332.477+/-0.049 χ^2/NDF:3668281.5/40

All: 332.595+/-0.035 χ^2/NDF: 7101769.3/76



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -47.723+/-10.886 χ^2/NDF:52.8/21

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -21.942+/-11.193 χ^2/NDF:17.2/19

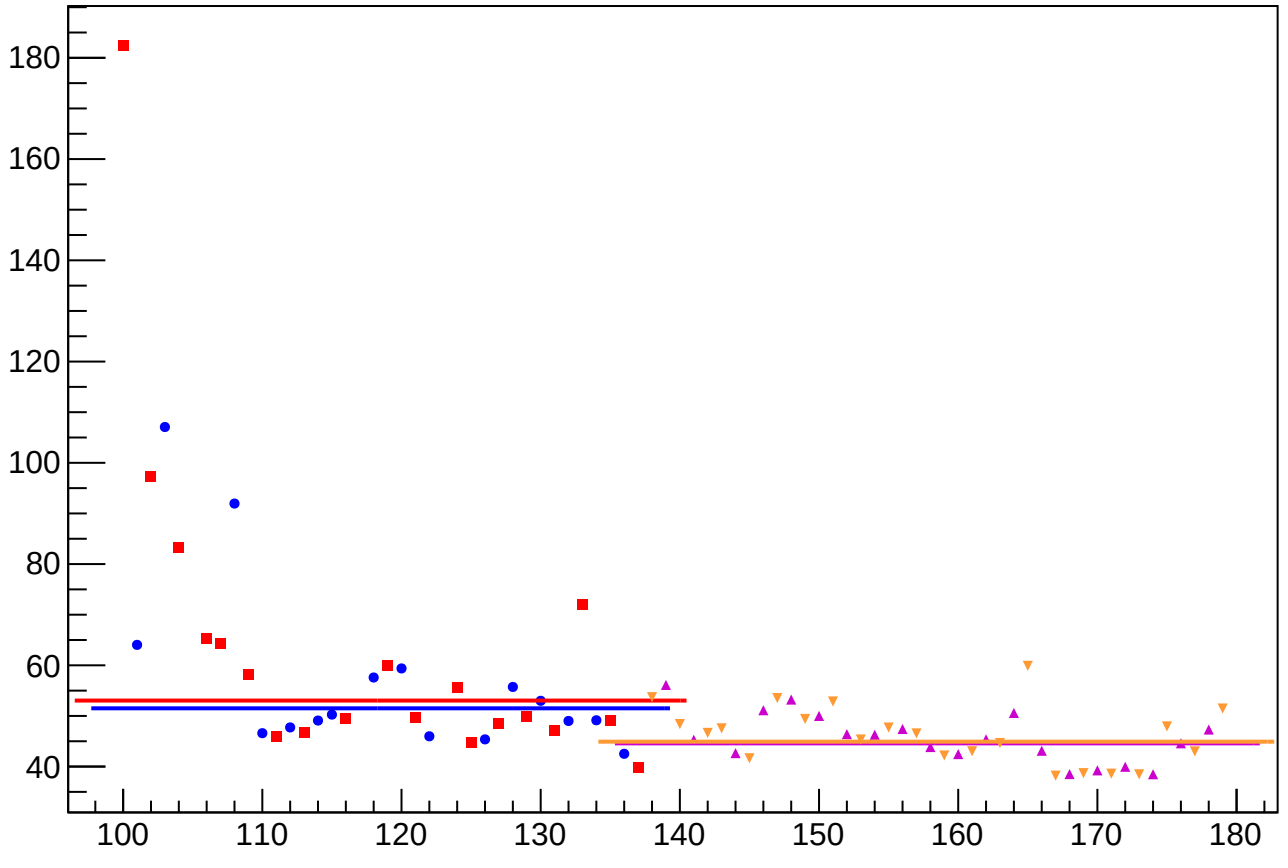
Left: -35.190+/-7.804 χ^2/NDF: 72.7/41

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -13.448+/-9.749 χ^2/NDF:36.8/35

Out: -23.584+/-9.587 χ^2/NDF:90.8/40

All: -18.601+/-6.836 χ^2/NDF: 128.2/76



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.918+/-0.008 χ^2/NDF:464156.0/21

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.581+/-0.008 χ^2/NDF:340008.3/19

Left: 44.754+/-0.006 χ^2/NDF: 805091.6/41

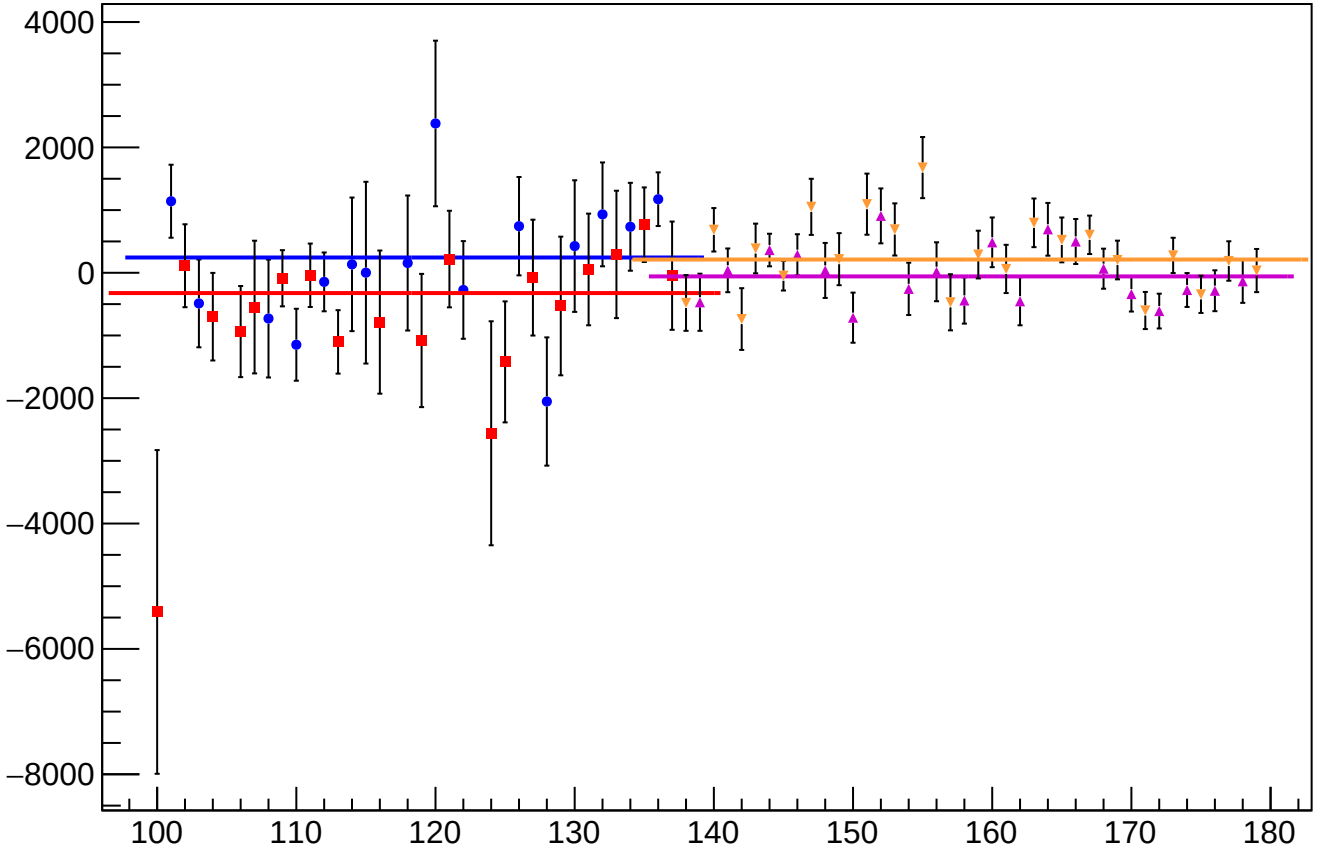
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.252+/-0.007 χ^2/NDF:1191736.2/35

Out: 46.740+/-0.007 χ^2/NDF:1426857.1/40

All: 46.500+/-0.005 χ^2/NDF: 2621145.5/76

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 211.352+/-75.589 χ^2/NDF:45.2/21

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -57.893+/-77.800 χ^2/NDF:28.5/19

Left: 80.610+/-54.214 χ^2/NDF: 79.8/41

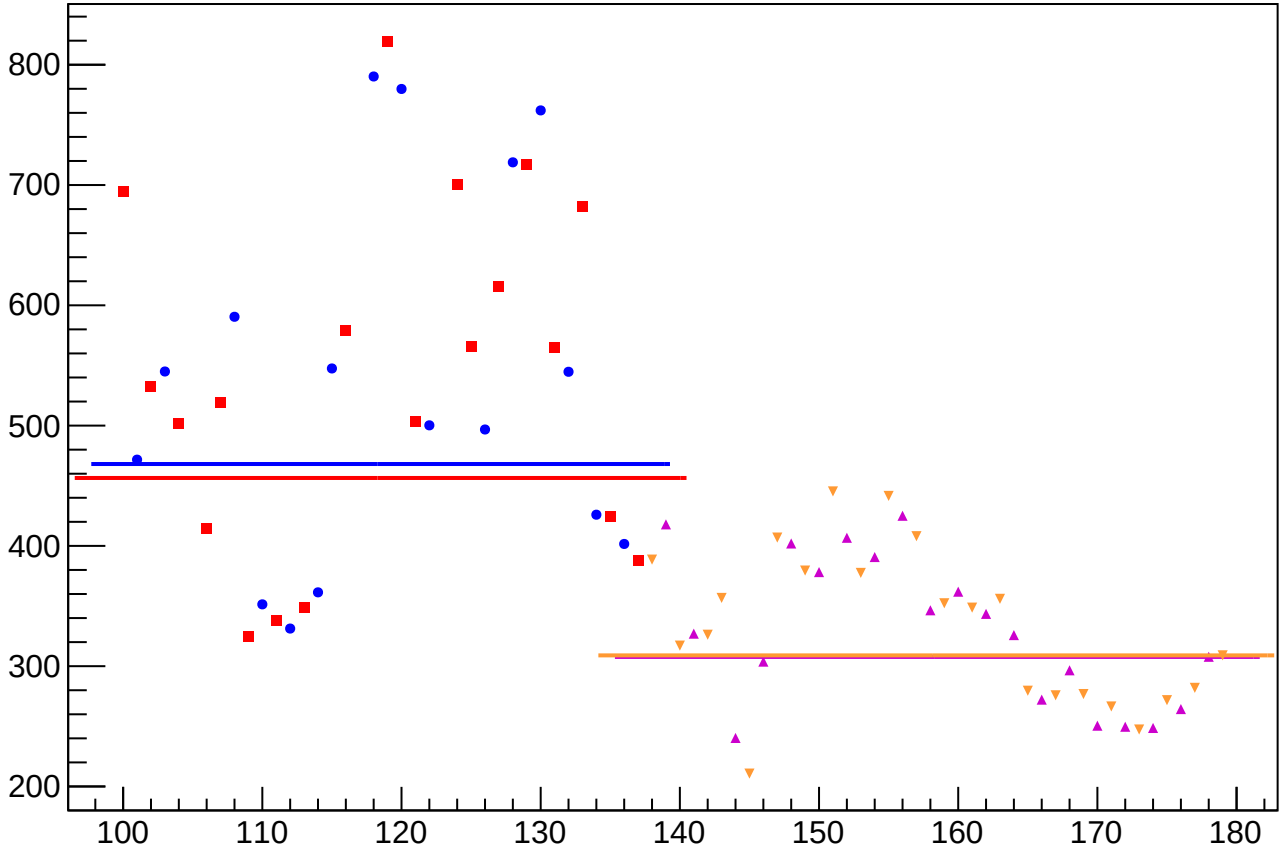
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: -10.785+/-71.469 χ^2/NDF:56.4/35

Out: 126.115+/-69.306 χ^2/NDF:69.6/40

All: 59.768+/-49.754 χ^2/NDF: 127.9/76

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 308.978+/-0.053 χ^2/NDF:1372522.2/21

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 307.681+/-0.055 χ^2/NDF:1123491.9/19

Left: 308.348+/-0.038 χ^2/NDF: 2496300.0/41

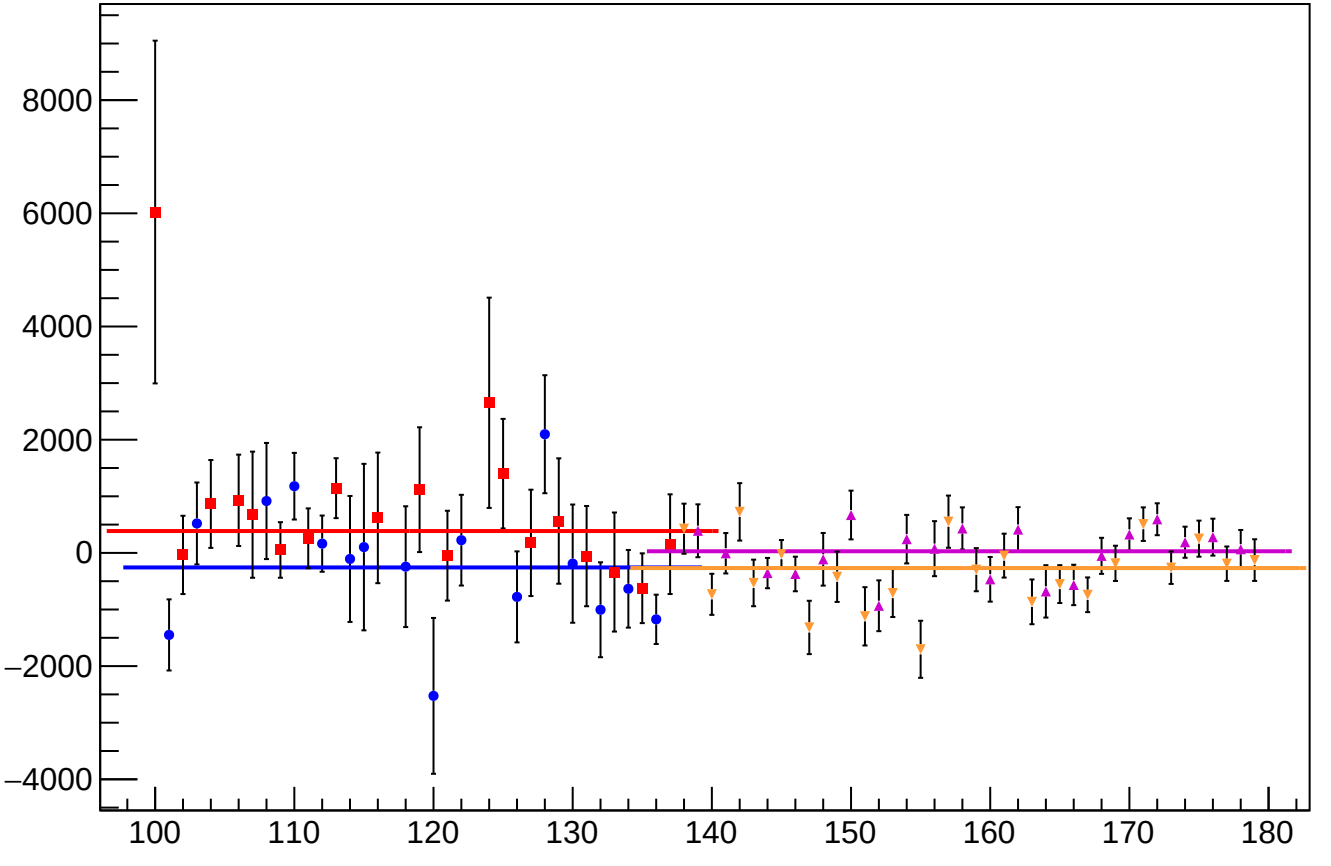
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 332.722+/-0.051 χ^2/NDF:3433452.7/35

Out: 332.477+/-0.049 χ^2/NDF:3668260.8/40

All: 332.596+/-0.035 χ^2/NDF: 7101725.7/76

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -267.701+/-77.238 χ^2/NDF:45.0/21

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 29.183+/-78.981 χ^2/NDF:26.5/19

Left: -122.572+/-55.221 χ^2/NDF: 78.7/41

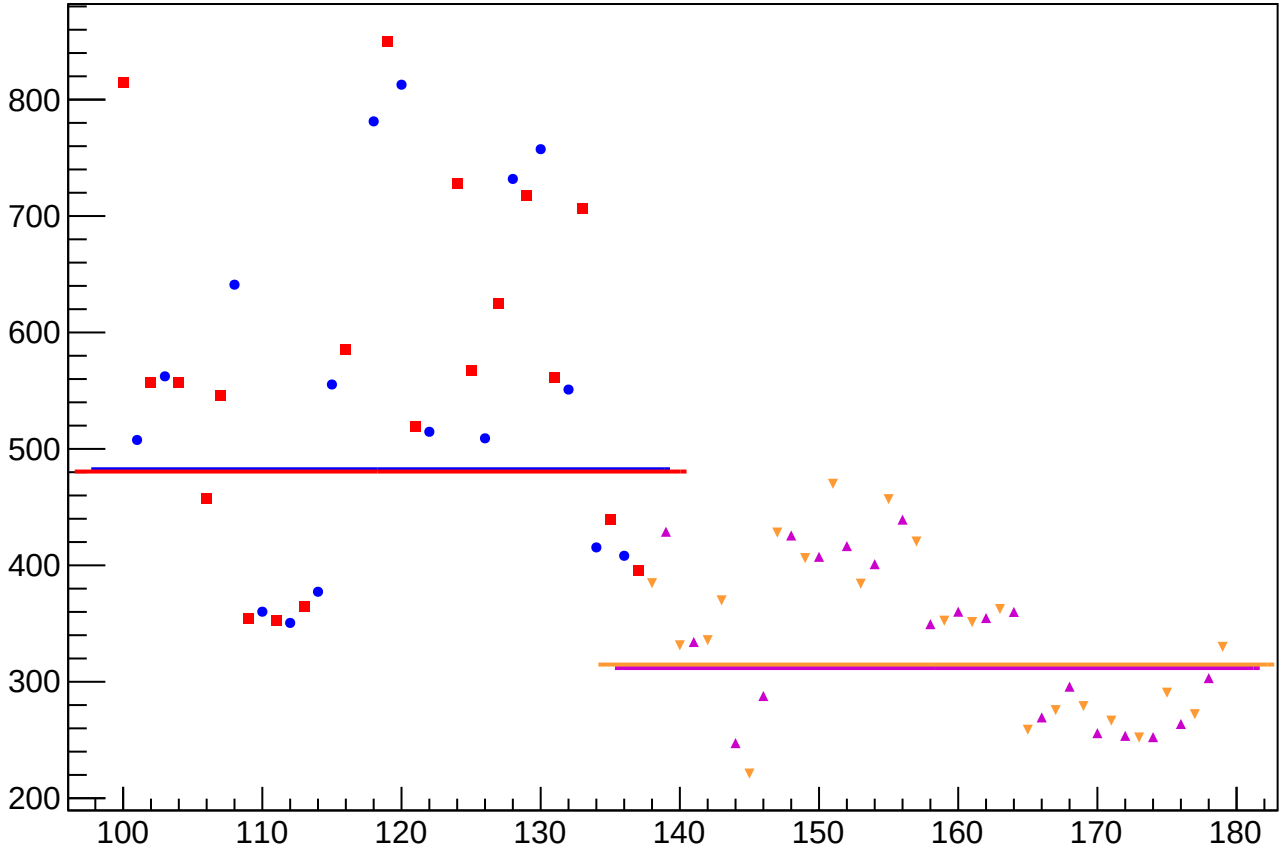
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -14.314+/-72.726 χ^2/NDF:55.4/35

Out: -168.205+/-71.122 χ^2/NDF:70.1/40

All: -92.975+/-50.848 χ^2/NDF: 127.8/76

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 314.803+/-0.055 χ^2/NDF:1459783.9/21

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 311.791+/-0.056 χ^2/NDF:1242548.7/19

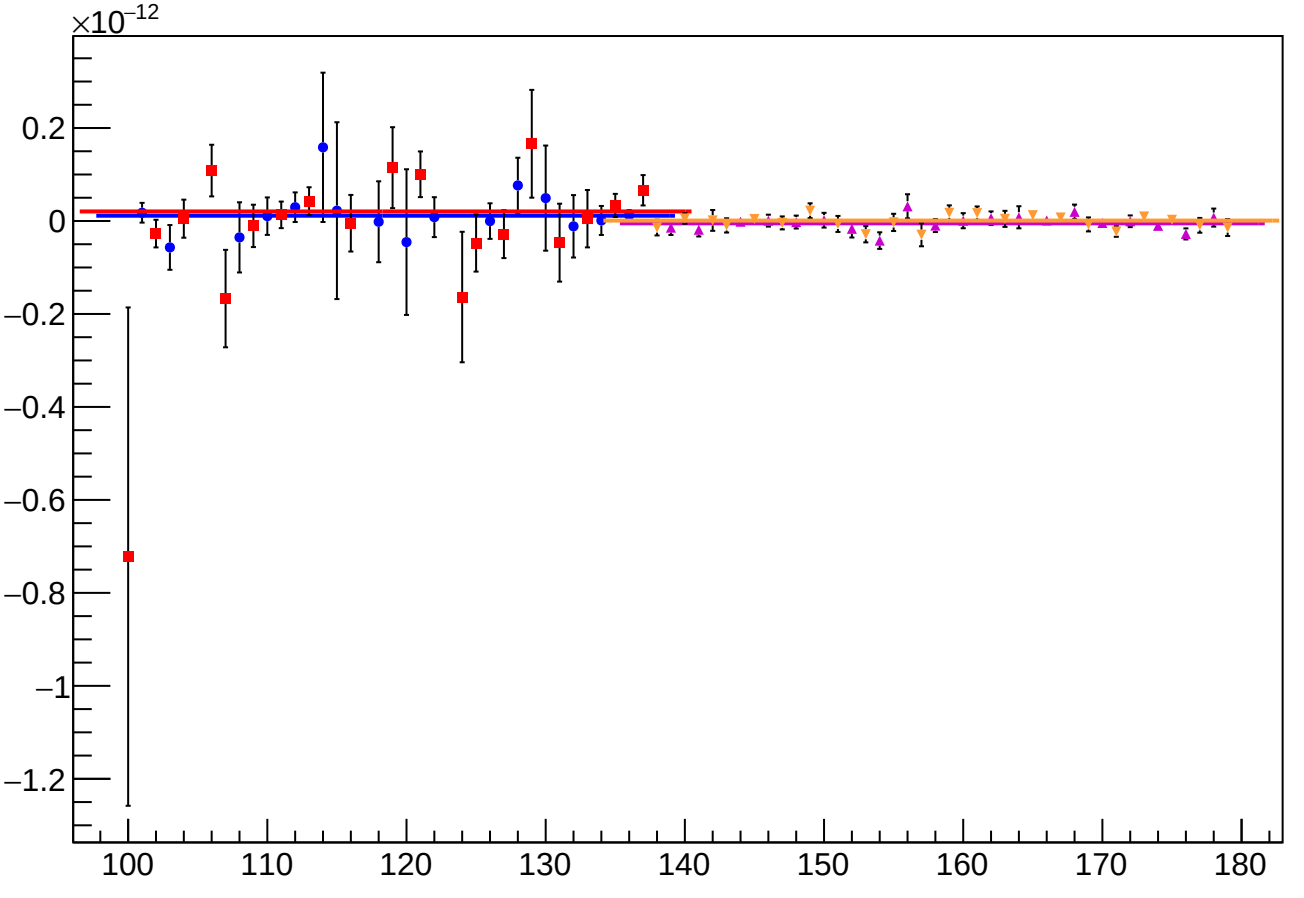
Left: 313.331+/-0.039 χ^2/NDF: 2703819.9/41

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 337.762+/-0.051 χ^2/NDF:3610613.8/35

Out: 340.015+/-0.050 χ^2/NDF:3854584.2/40

All: 338.913+/-0.036 χ^2/NDF: 7466179.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/19

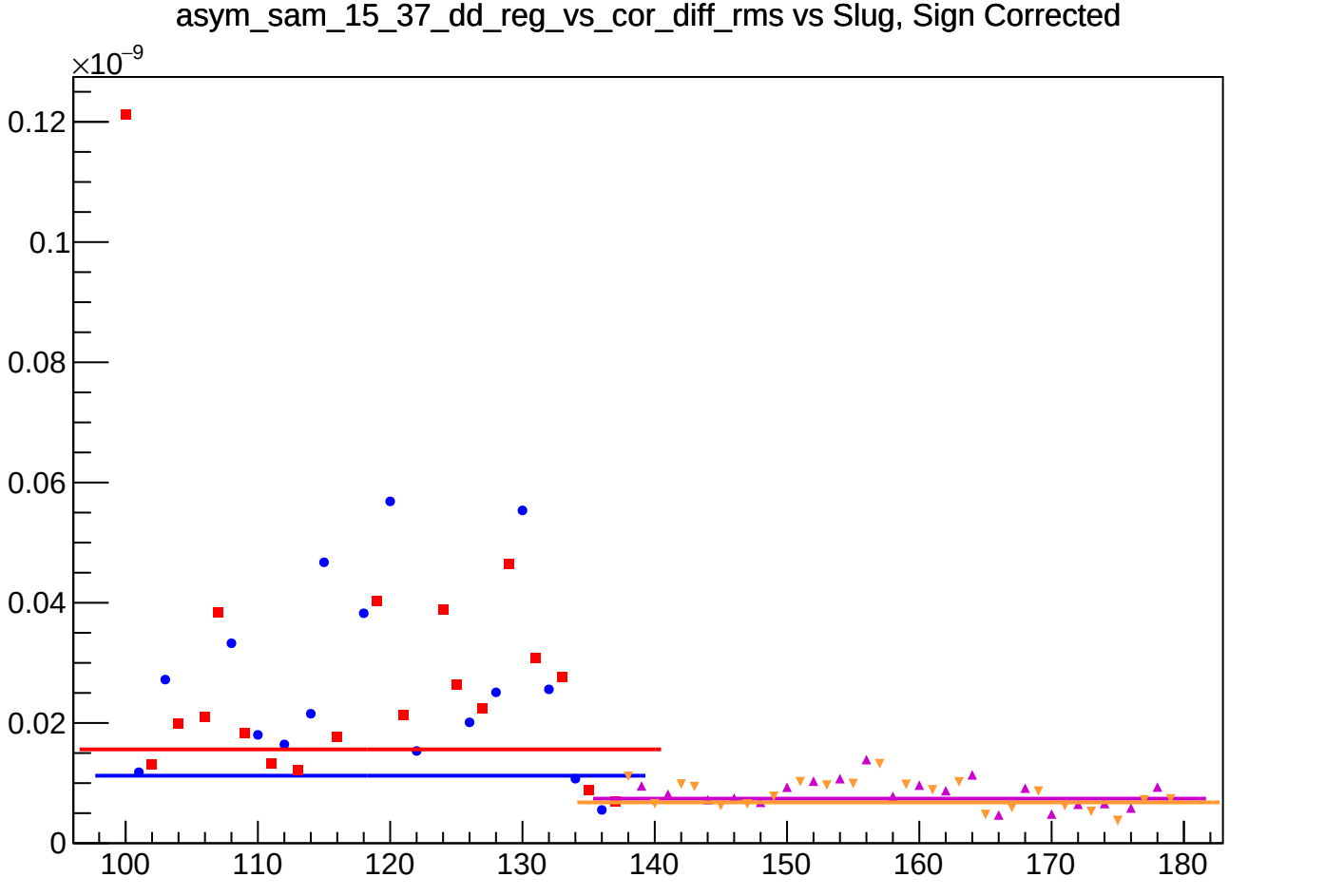
Left: -0.000+/-0.000 χ^2/NDF: 37.4/41

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/35

Out: 0.000+/-0.000 χ^2/NDF:45.7/40

All: -0.000+/-0.000 χ^2/NDF: 73.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1330494.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:823557.4/19

Left: 0.000+/-0.000 χ^2/NDF: 2199079.9/41

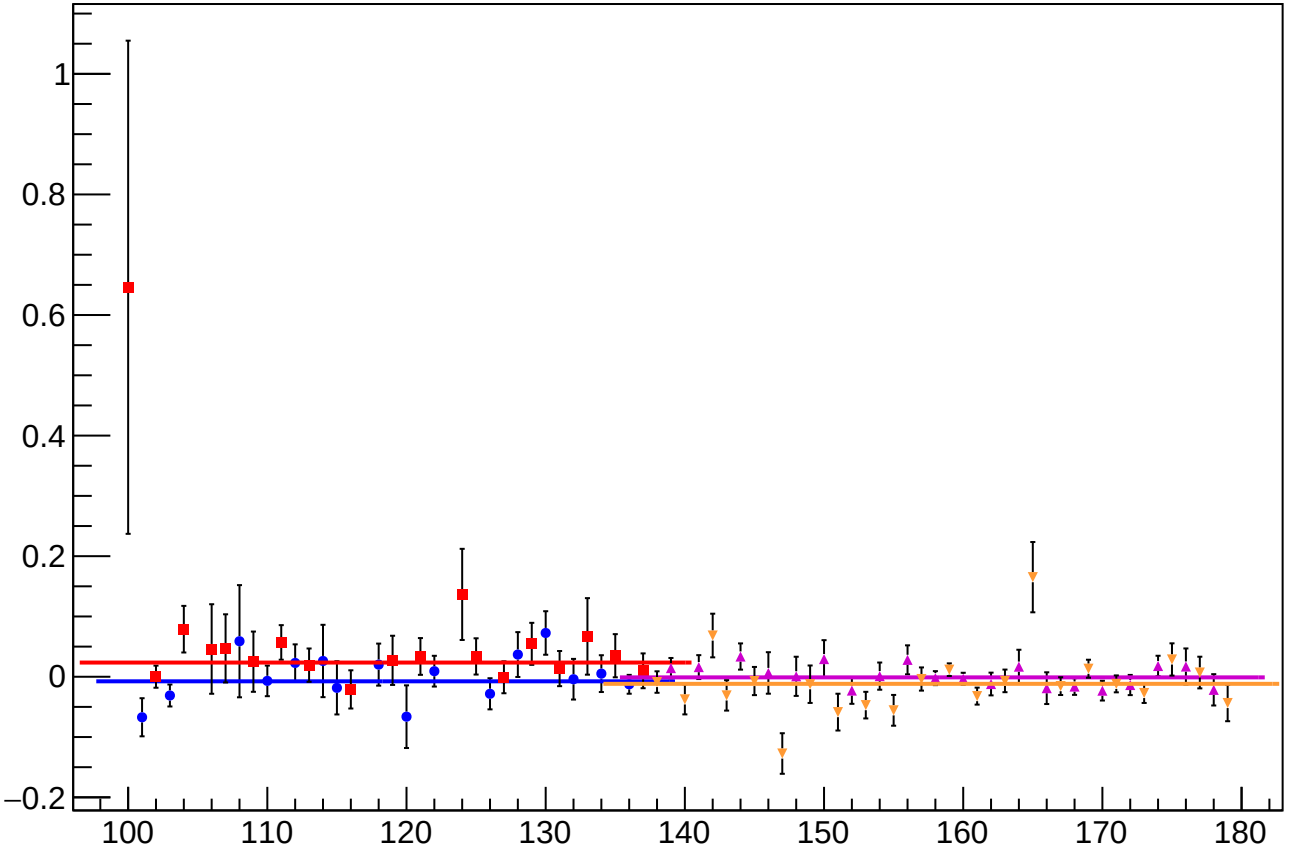
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3324224.9/35

Out: 0.000+/-0.000 χ^2/NDF:3892572.6/40

All: 0.000+/-0.000 χ^2/NDF: 7251399.7/76

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:14.6/19

Left: -0.006+/-0.003 χ^2/NDF: 68.5/41

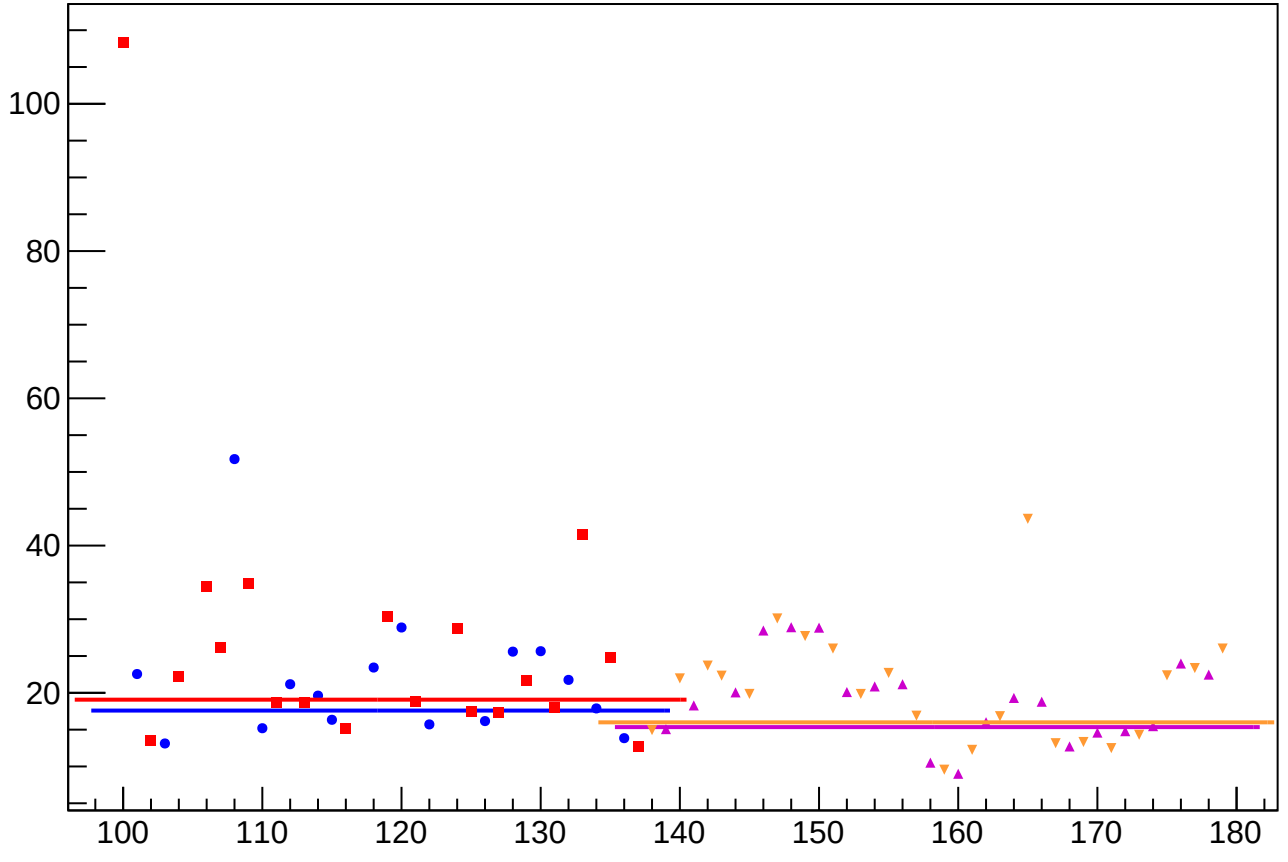
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.003+/-0.003 χ^2/NDF: 113.3/76

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.993+/-0.003 χ^2/NDF:3573165.4/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.345+/-0.003 χ^2/NDF:3099854.4/19

Left: 15.666+/-0.002 χ^2/NDF: 6697270.5/41

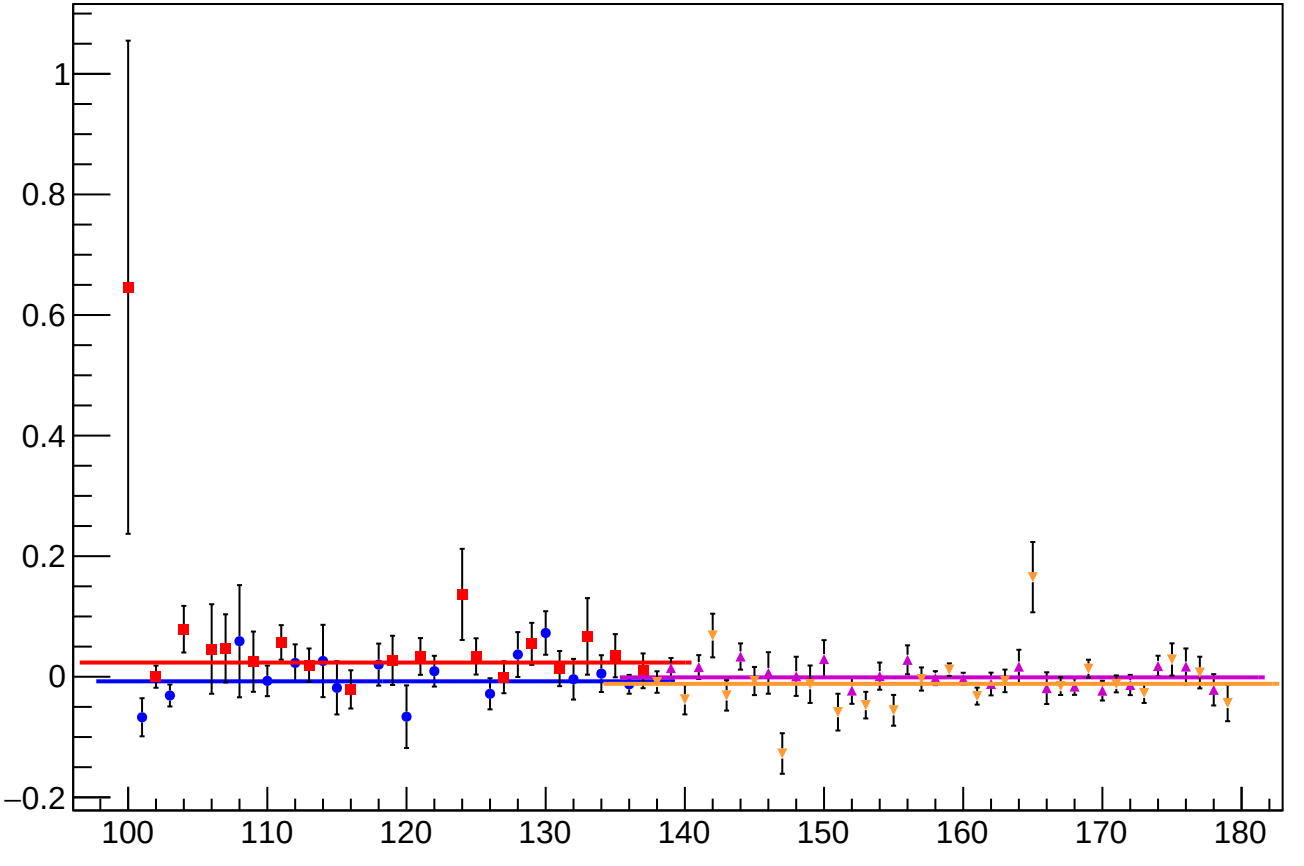
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.903+/-0.003 χ^2/NDF:4239395.4/35

Out: 16.687+/-0.003 χ^2/NDF:5066133.2/40

All: 16.286+/-0.002 χ^2/NDF: 9352034.9/76

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:14.6/19

Left: -0.006+/-0.003 χ^2/NDF: 68.5/41

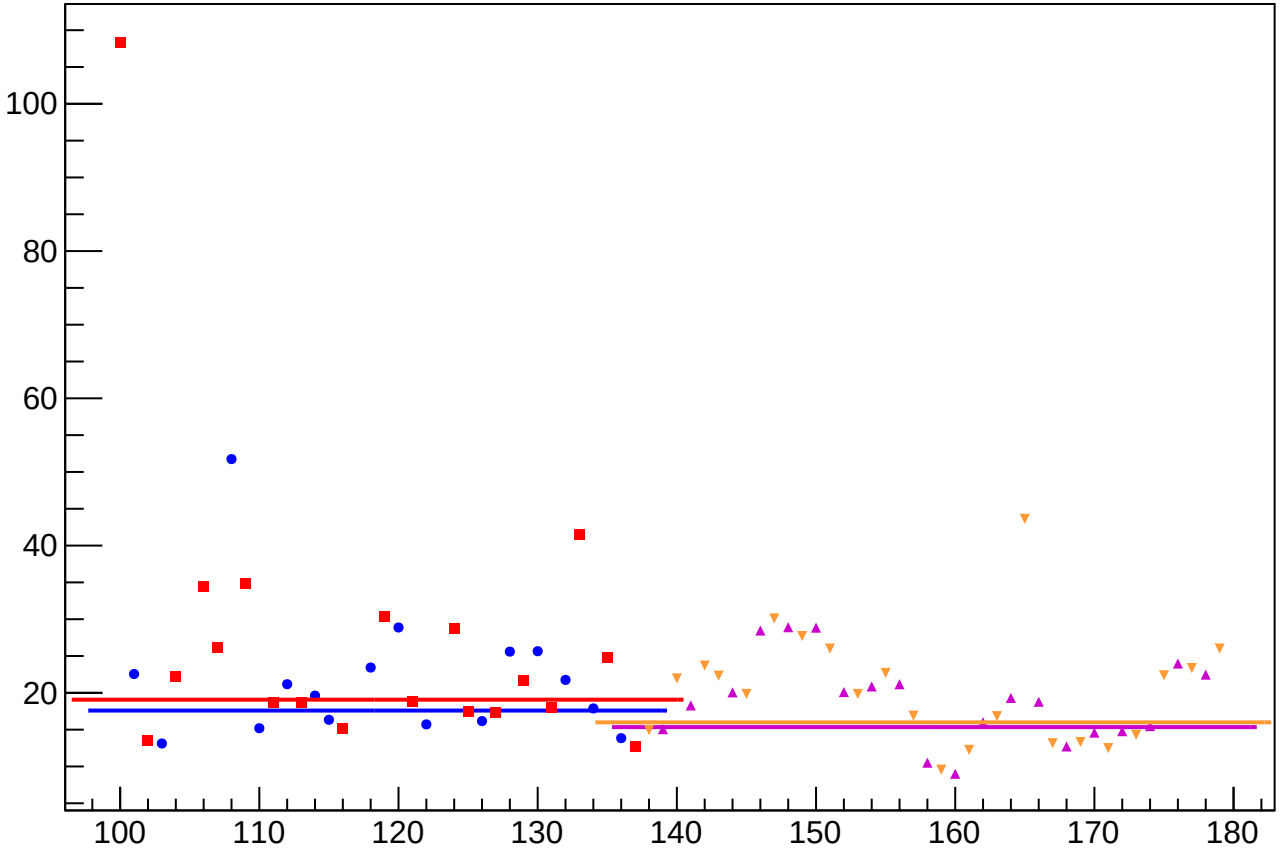
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.003+/-0.003 χ^2/NDF: 113.3/76

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.993+/-0.003 χ^2/NDF:3573165.4/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.345+/-0.003 χ^2/NDF:3099854.4/19

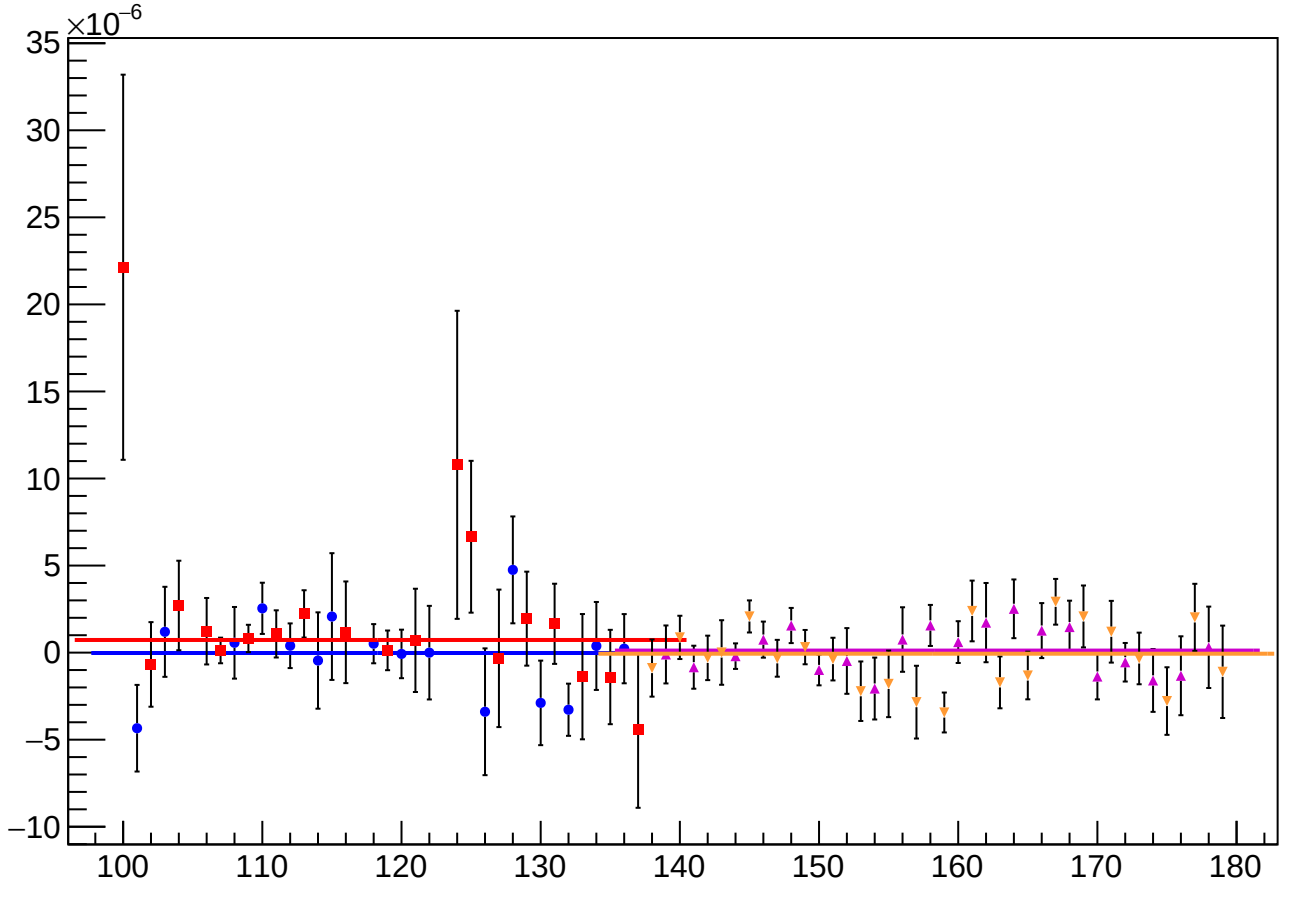
Left: 15.666+/-0.002 χ^2/NDF: 6697270.5/41

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.903+/-0.003 χ^2/NDF:4239395.4/35

Out: 16.687+/-0.003 χ^2/NDF:5066133.2/40

All: 16.286+/-0.002 χ^2/NDF: 9352034.9/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/19

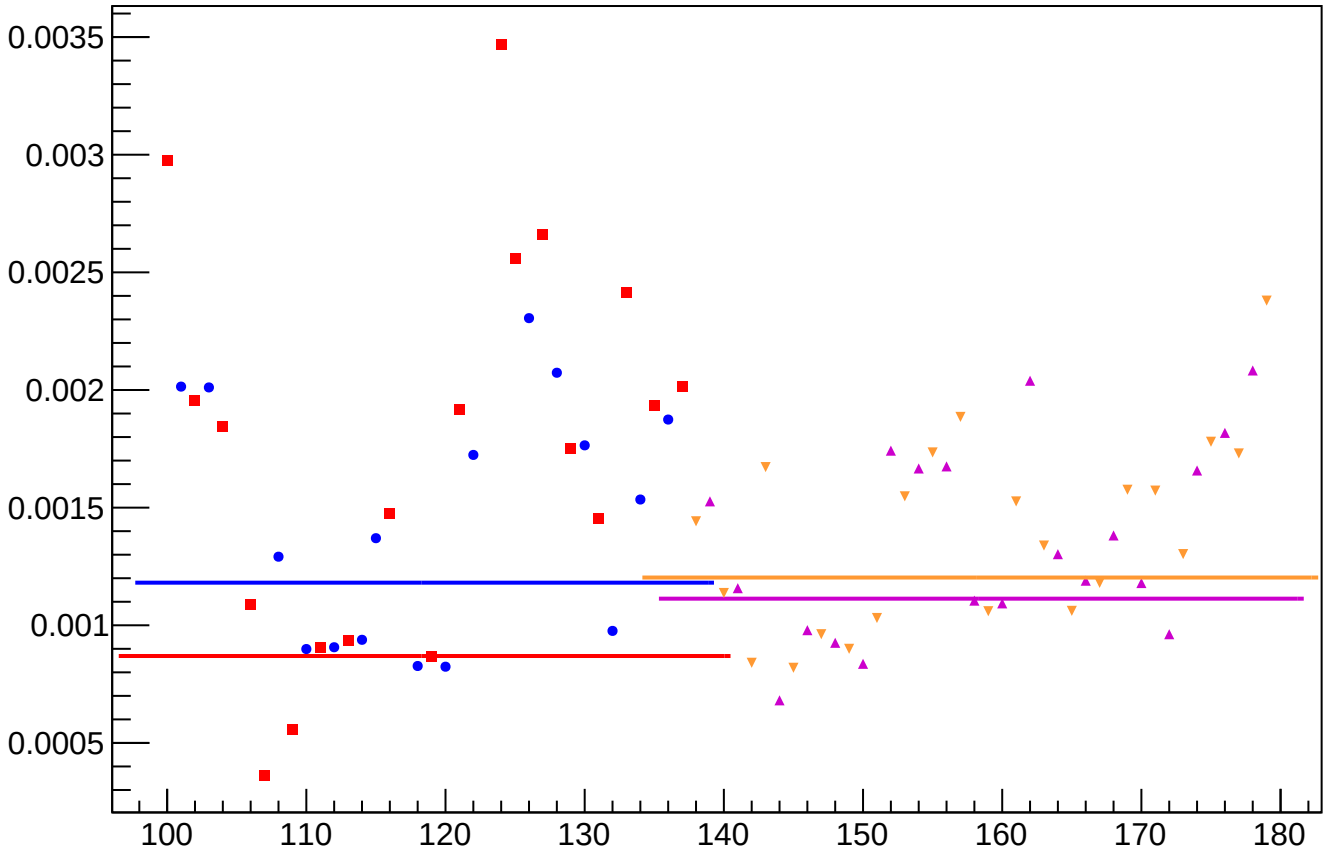
Left: 0.000+/-0.000 χ^2/NDF: 49.0/41

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:31.5/35

Out: 0.000+/-0.000 χ^2/NDF:49.4/40

All: 0.000+/-0.000 χ^2/NDF: 81.1/76



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2508401.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2904790.9/19

Left: 0.001+/-0.000 χ^2/NDF: 5504981.4/41

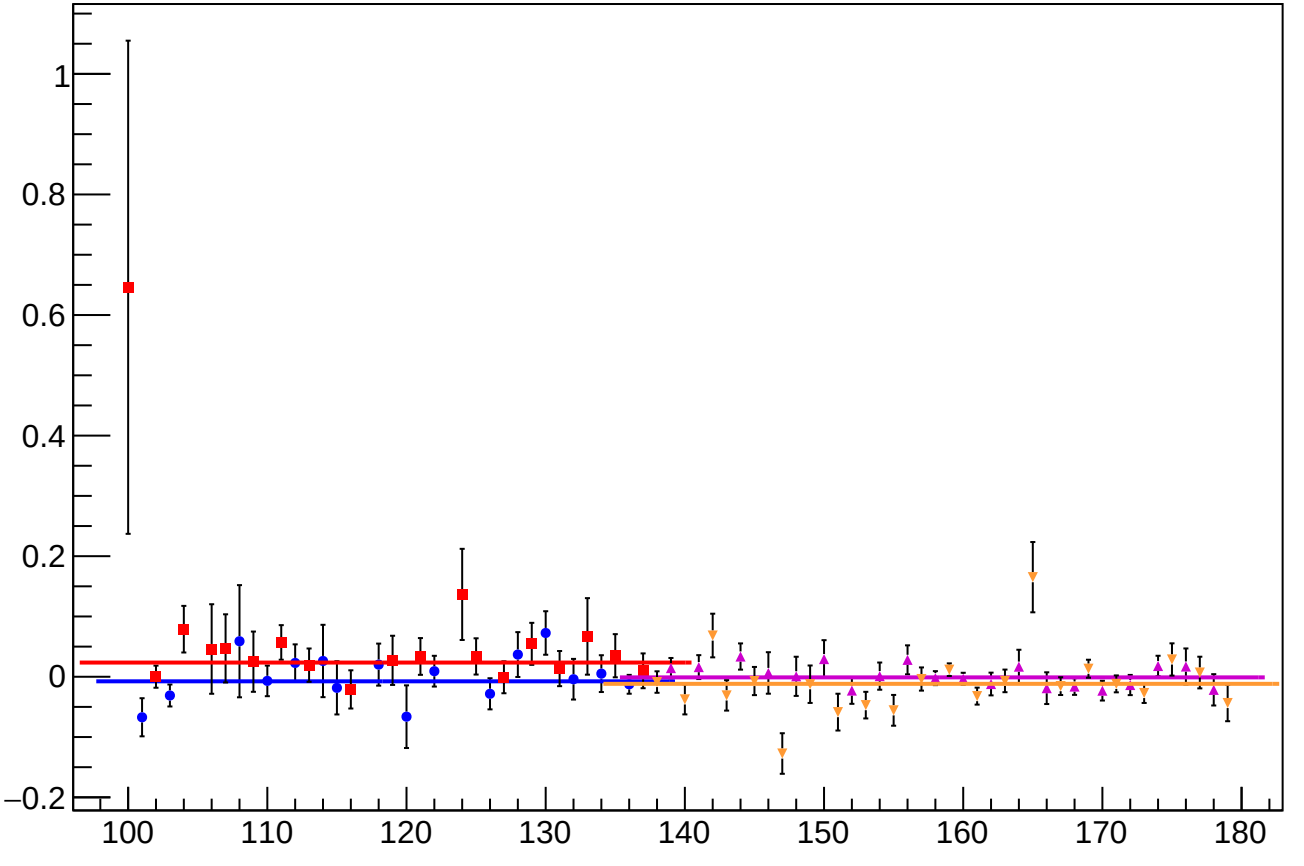
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4763095.0/35

Out: 0.001+/-0.000 χ^2/NDF:7884183.7/40

All: 0.001+/-0.000 χ^2/NDF: 12703616.5/76

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:14.6/19

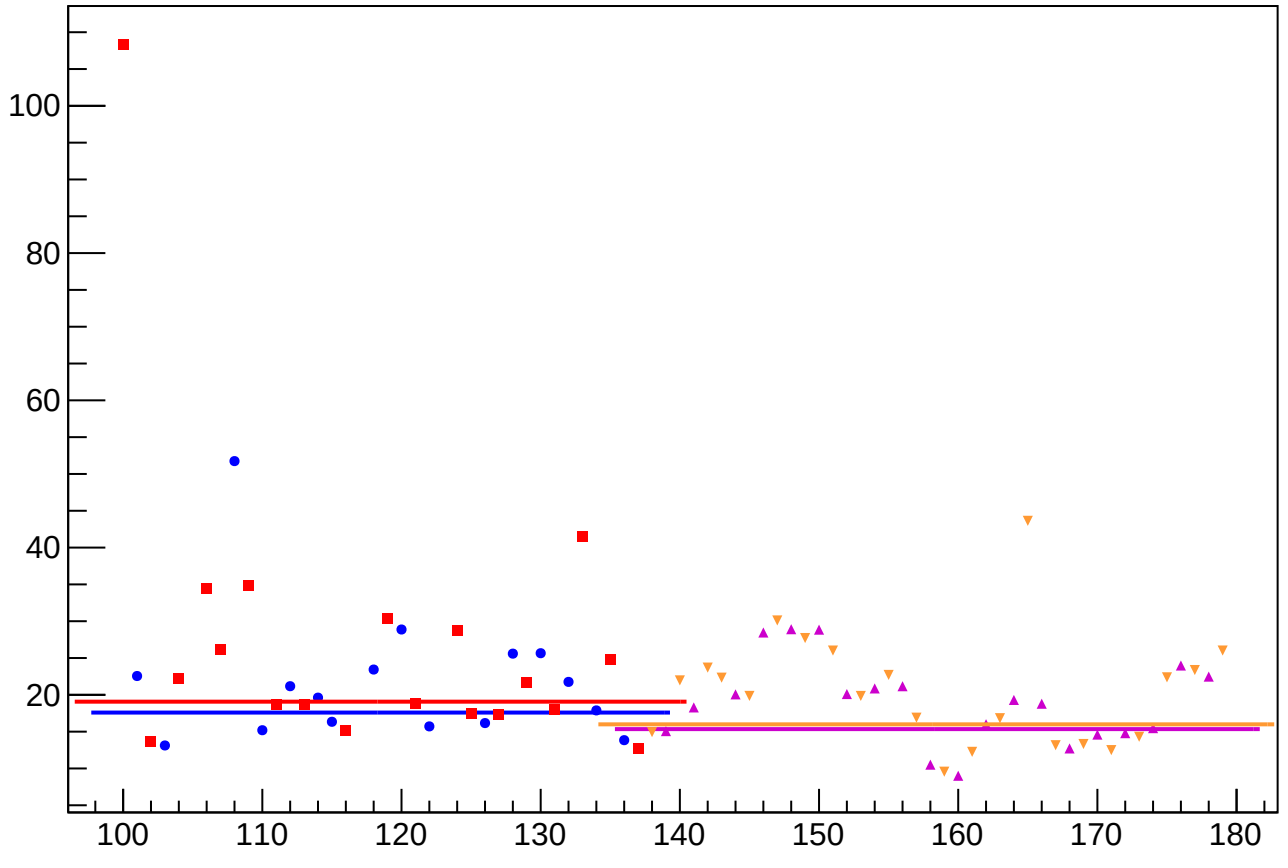
Left: -0.006+/-0.003 χ^2/NDF: 68.5/41

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.003+/-0.003 χ^2/NDF: 113.3/76



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.992+/-0.003 χ^2/NDF:3573420.3/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.344+/-0.003 χ^2/NDF:3100174.4/19

Left: 15.666+/-0.002 χ^2/NDF: 6697850.9/41

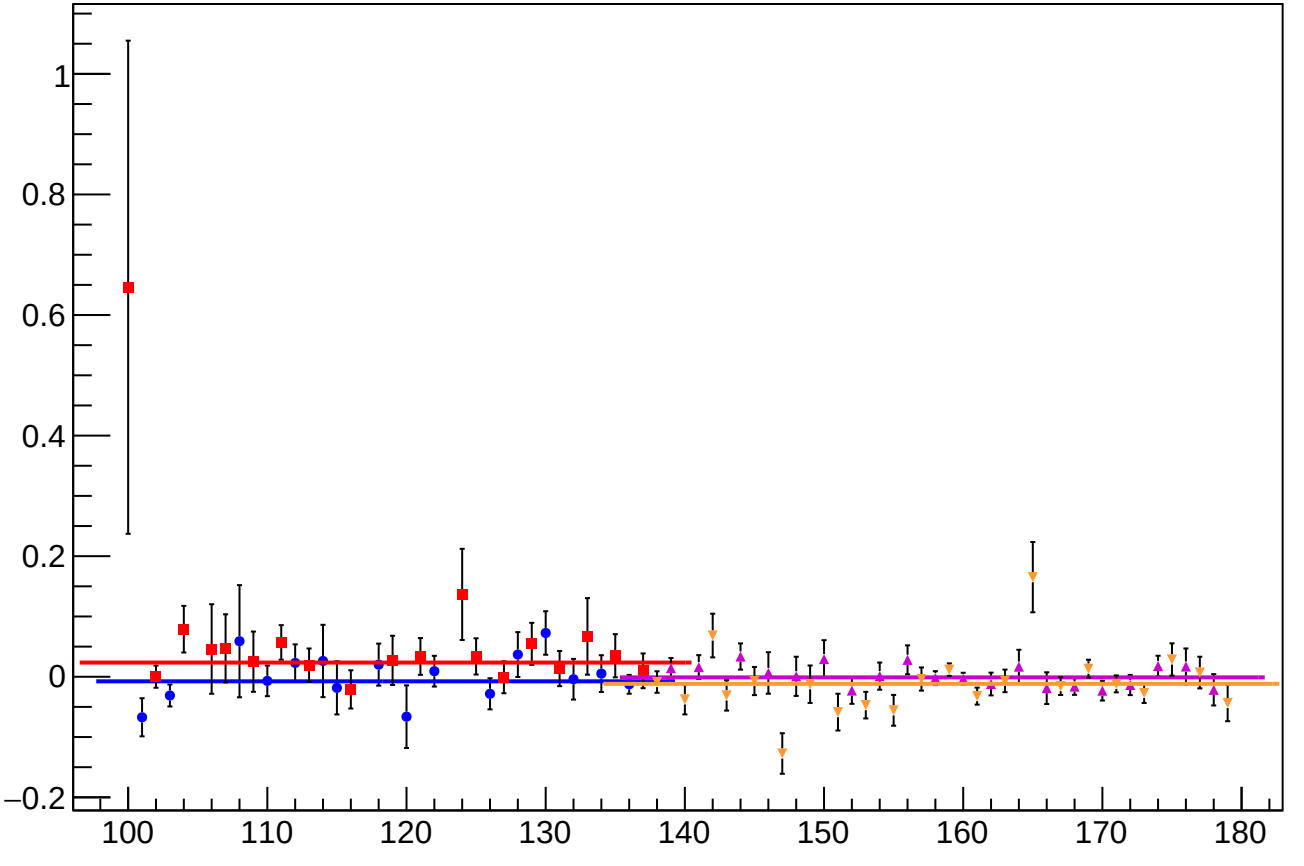
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.903+/-0.003 χ^2/NDF:4239796.4/35

Out: 16.687+/-0.003 χ^2/NDF:5066393.3/40

All: 16.286+/-0.002 χ^2/NDF: 9352708.2/76

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:50.5/21

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:14.6/19

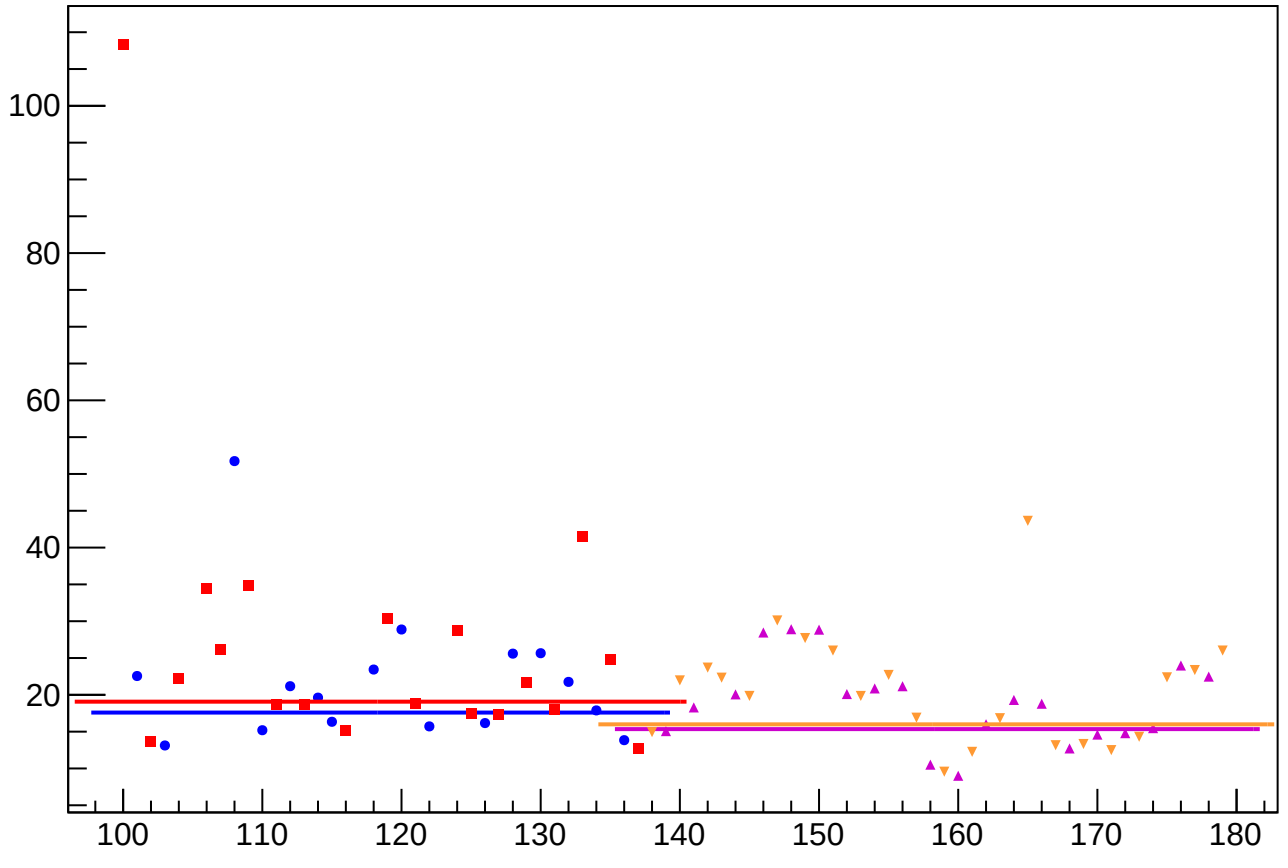
Left: -0.006+/-0.003 χ^2/NDF: 68.5/41

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.004+/-0.004 χ^2/NDF:81.2/40

All: -0.003+/-0.003 χ^2/NDF: 113.3/76



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.992+/-0.003 χ^2/NDF:3573420.3/21

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.344+/-0.003 χ^2/NDF:3100174.4/19

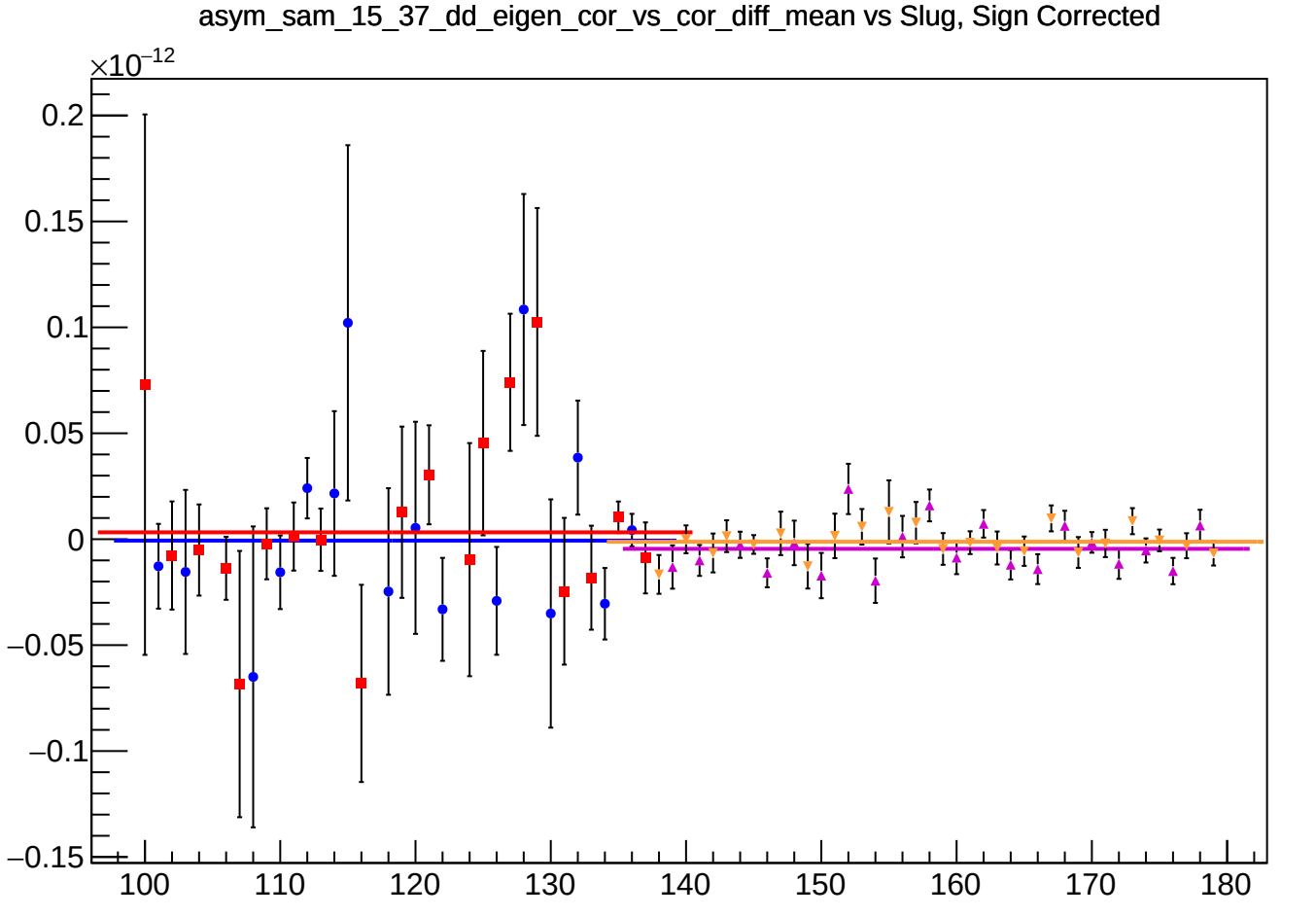
Left: 15.666+/-0.002 χ^2/NDF: 6697850.9/41

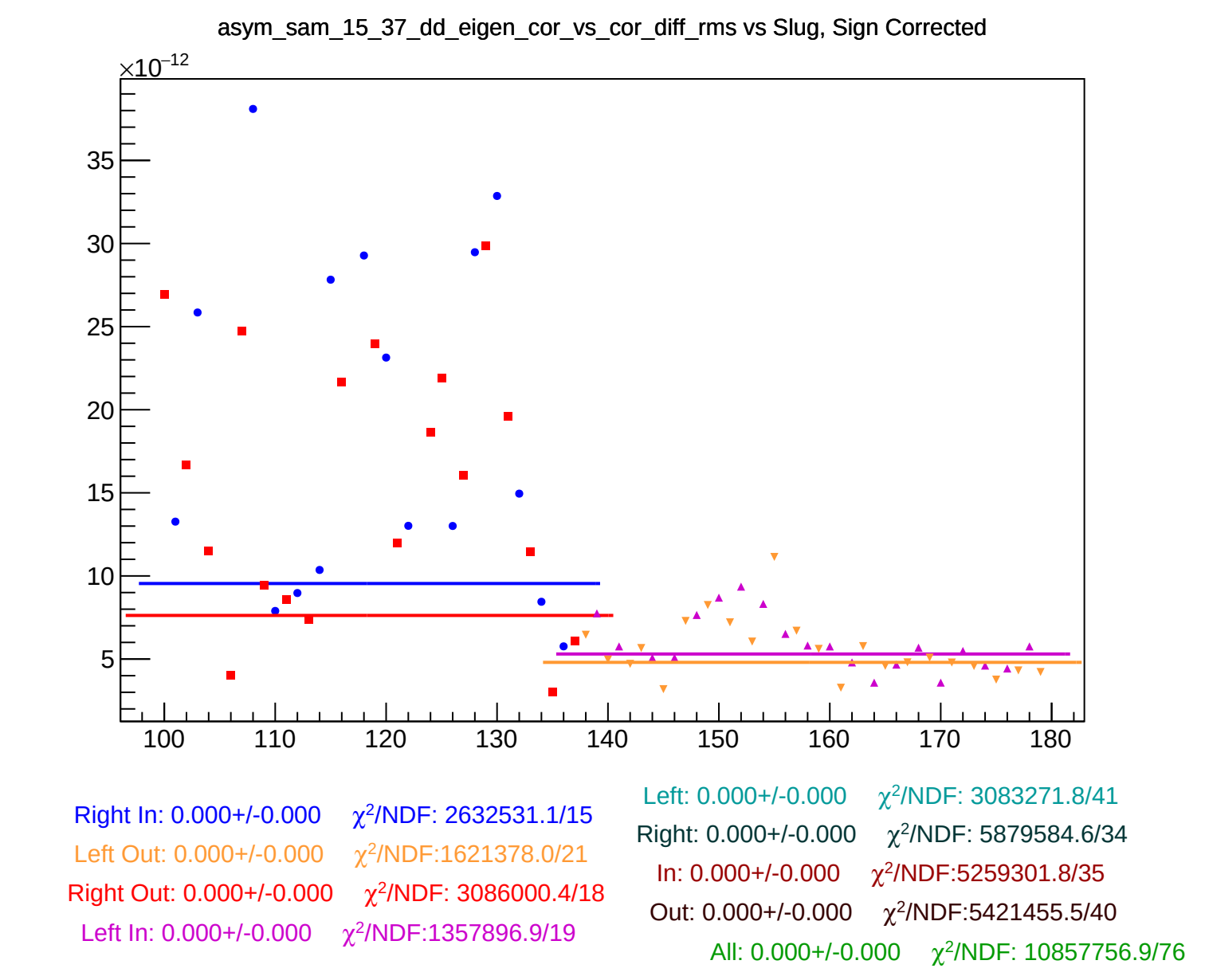
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

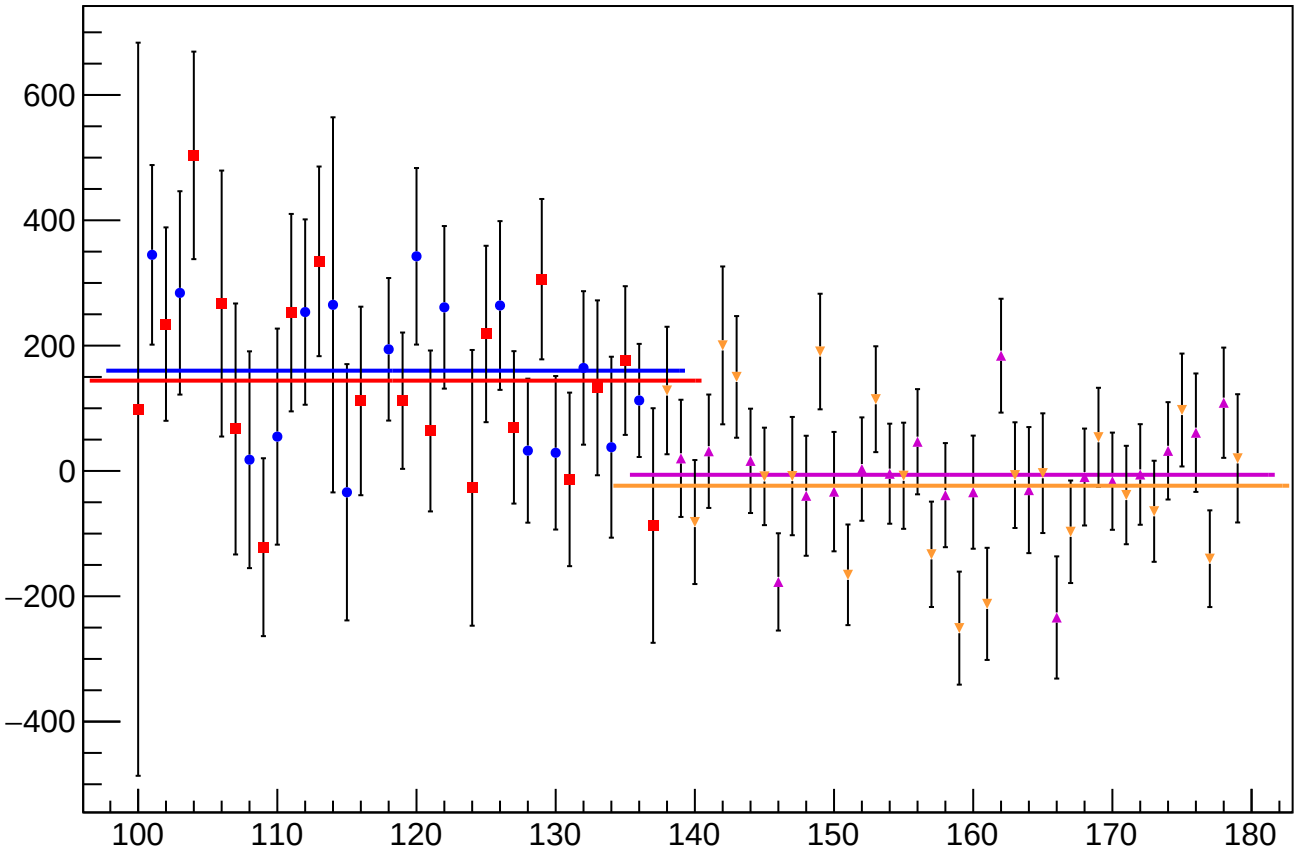
In: 15.903+/-0.003 χ^2/NDF:4239796.4/35

Out: 16.687+/-0.003 χ^2/NDF:5066393.3/40

All: 16.286+/-0.002 χ^2/NDF: 9352708.2/76


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 20.3/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/21
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:36.5/19
Left: -0.000+/-0.000 χ²/NDF: 54.1/41
Right: 0.000+/-0.000 χ²/NDF: 39.8/34
In: -0.000+/-0.000 χ²/NDF:57.2/35
Out: -0.000+/-0.000 χ²/NDF:35.4/40
All: -0.000+/-0.000 χ²/NDF: 95.3/76


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1621378.0/21
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1357896.9/19
Left: 0.000+/-0.000 χ²/NDF: 3083271.8/41
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:5259301.8/35
Out: 0.000+/-0.000 χ²/NDF:5421455.5/40
All: 0.000+/-0.000 χ²/NDF: 10857756.9/76



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.572+/-18.733 χ^2/NDF:39.1/21

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -6.149+/-19.245 χ^2/NDF:18.4/19

Left: -15.095+/-13.424 χ^2/NDF: 57.9/41

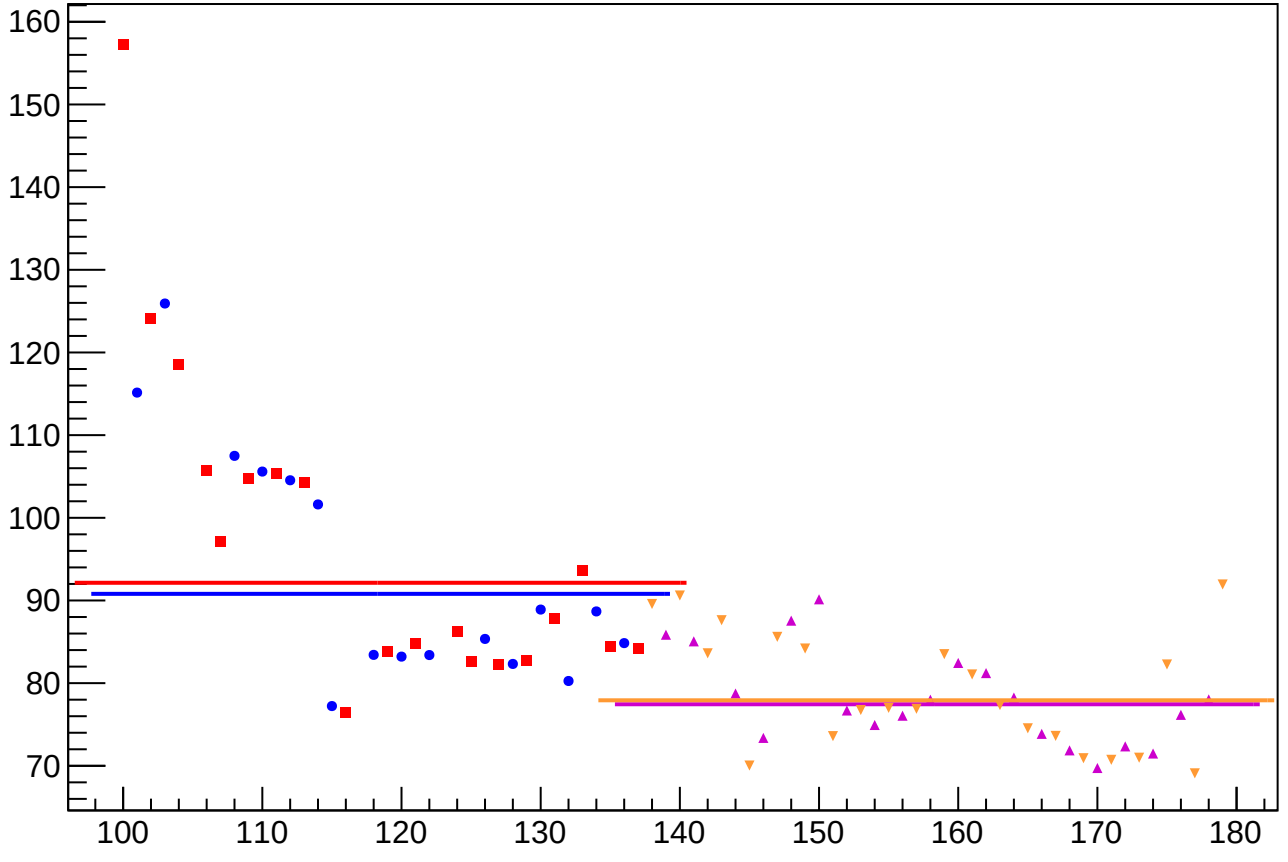
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 33.870+/-16.769 χ^2/NDF:47.4/35

Out: 15.105+/-16.431 χ^2/NDF:75.0/40

All: 24.297+/-11.736 χ^2/NDF: 123.0/76

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

Left: 77.692+/-0.009 χ^2/NDF: 427222.3/41

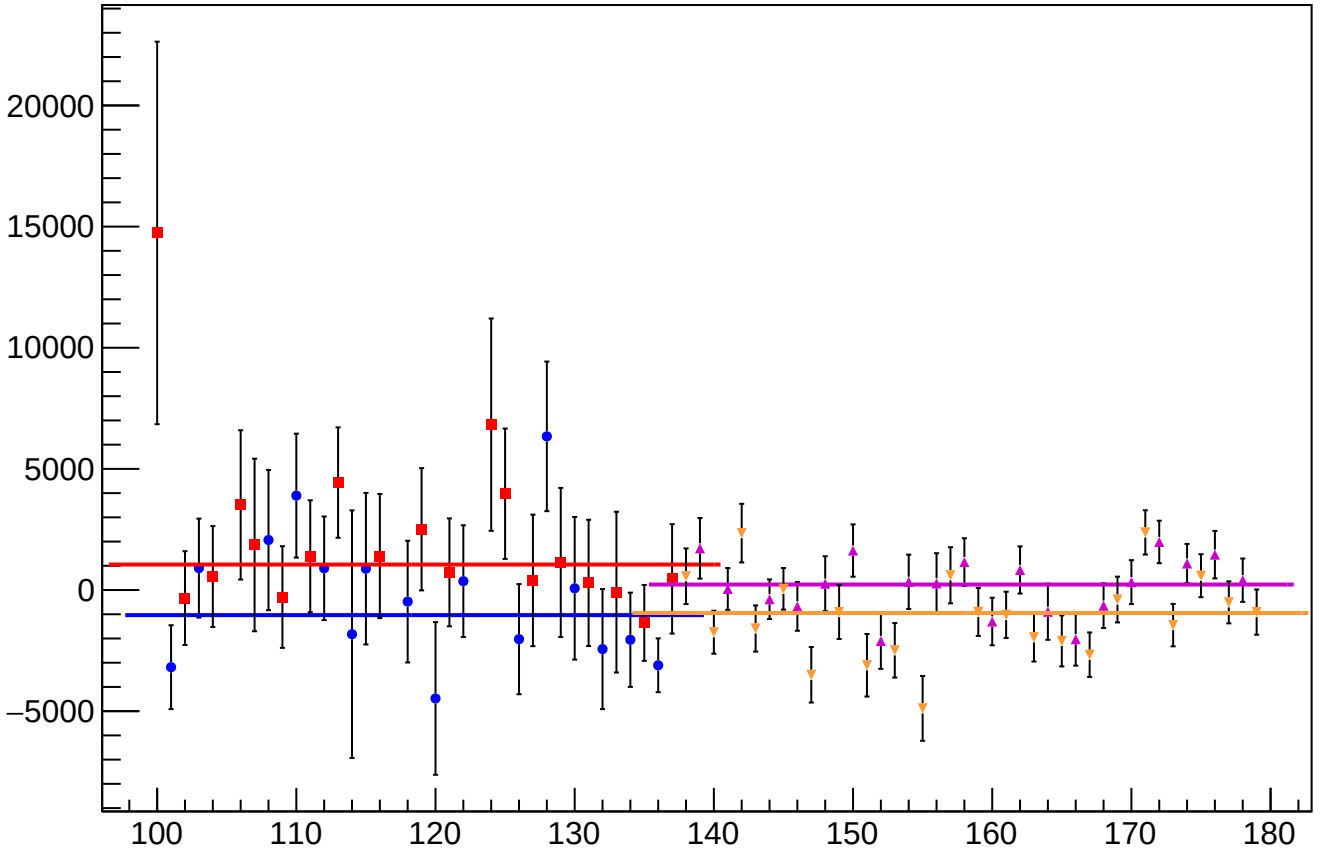
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.663+/-0.012 χ^2/NDF:664464.2/35

Out: 81.204+/-0.012 χ^2/NDF:834524.3/40

All: 80.939+/-0.008 χ^2/NDF: 1500050.2/76

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -948.797+/-213.136 χ^2/NDF:54.8/21

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 226.998+/-220.627 χ^2/NDF:25.2/19

Left: -381.199+/-153.290 χ^2/NDF: 94.7/41

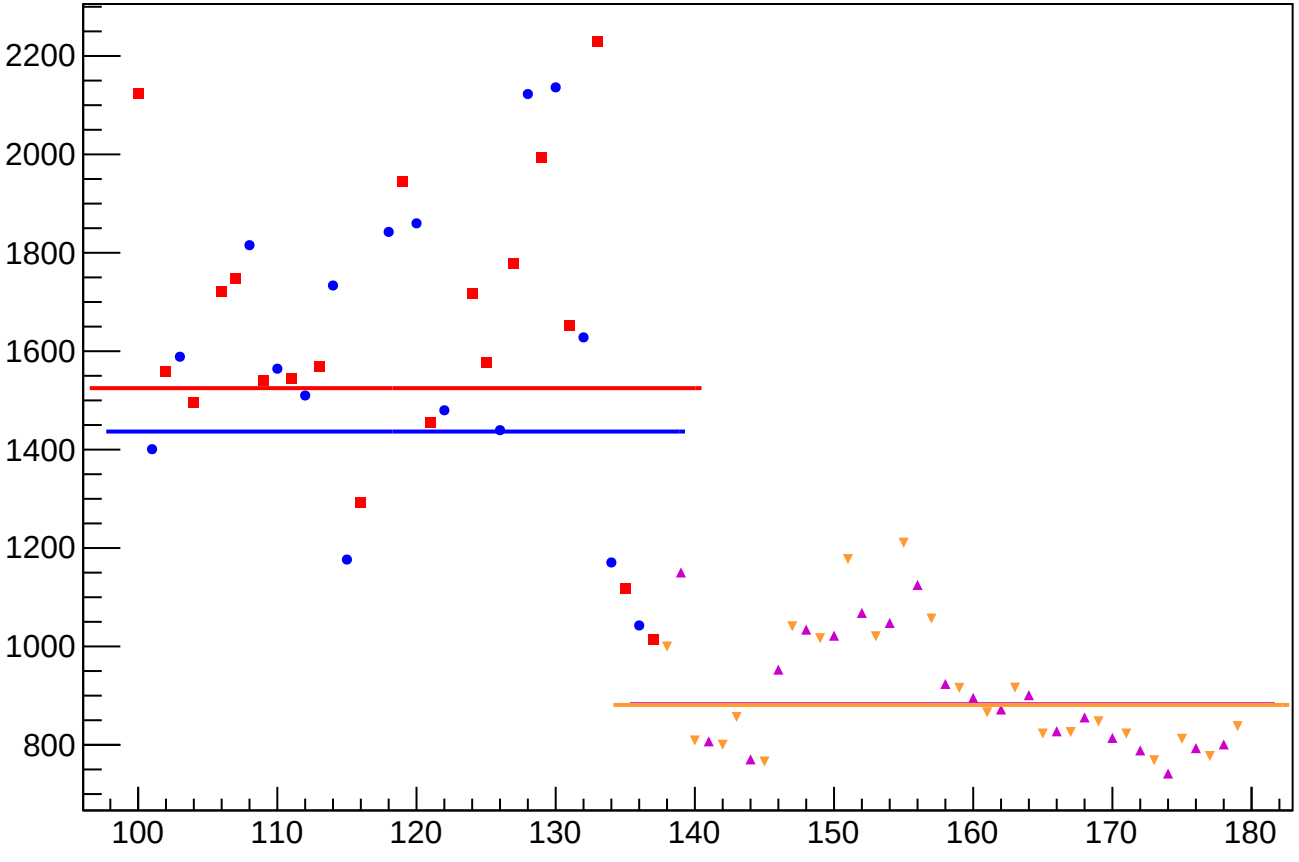
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: 52.182+/-204.777 χ^2/NDF:50.0/35

Out: -702.618+/-199.590 χ^2/NDF:78.5/40

All: -334.898+/-142.930 χ^2/NDF: 135.5/76

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 881.163+/-0.151 χ^2/NDF:560489.2/21

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 882.635+/-0.156 χ^2/NDF:534894.2/19

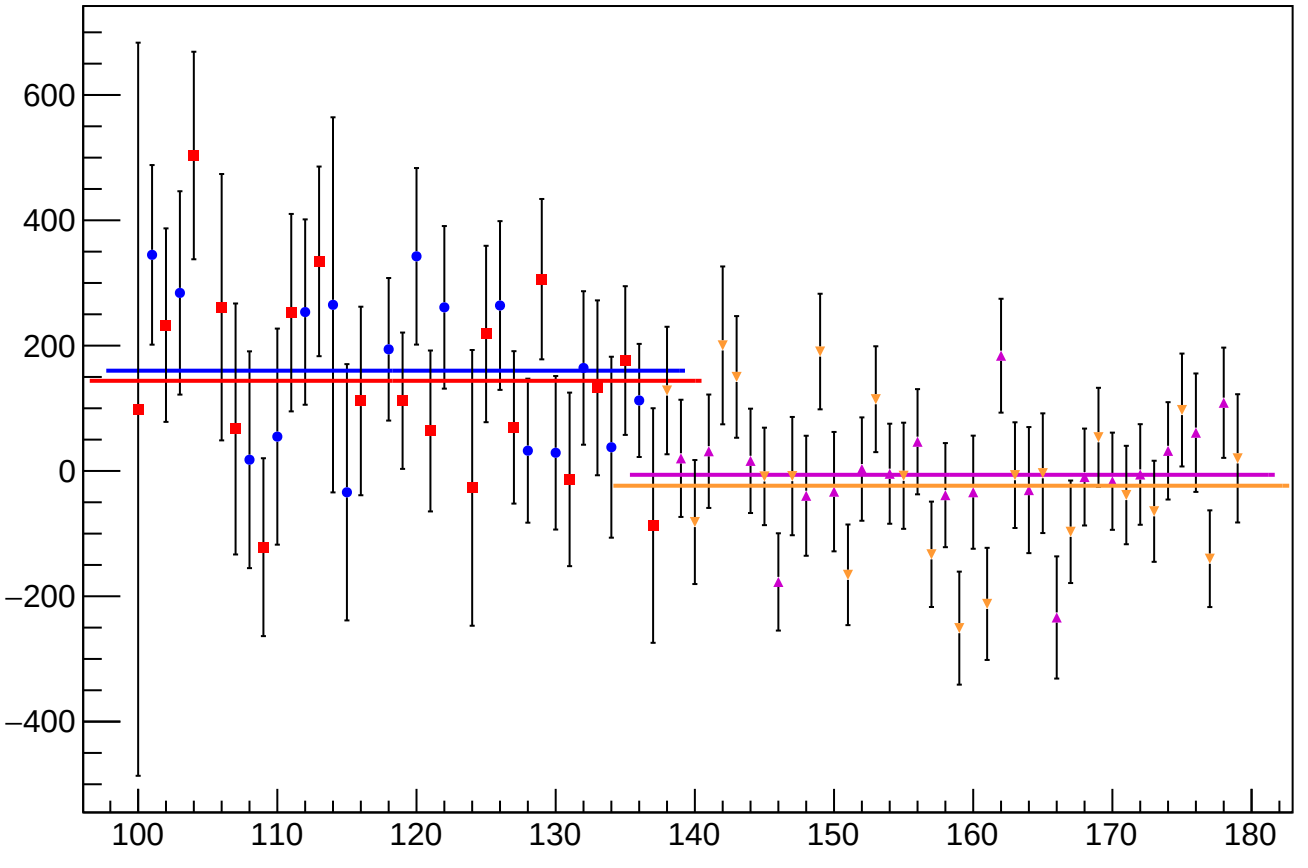
Left: 881.873+/-0.108 χ^2/NDF: 1095429.5/41

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 959.389+/-0.145 χ^2/NDF:2957990.3/35

Out: 960.394+/-0.141 χ^2/NDF:3310806.5/40

All: 959.904+/-0.101 χ^2/NDF: 6268821.6/76



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.569+/-18.733 χ^2/NDF:39.1/21

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -6.152+/-19.245 χ^2/NDF:18.4/19

Left: -15.096+/-13.424 χ^2/NDF: 57.9/41

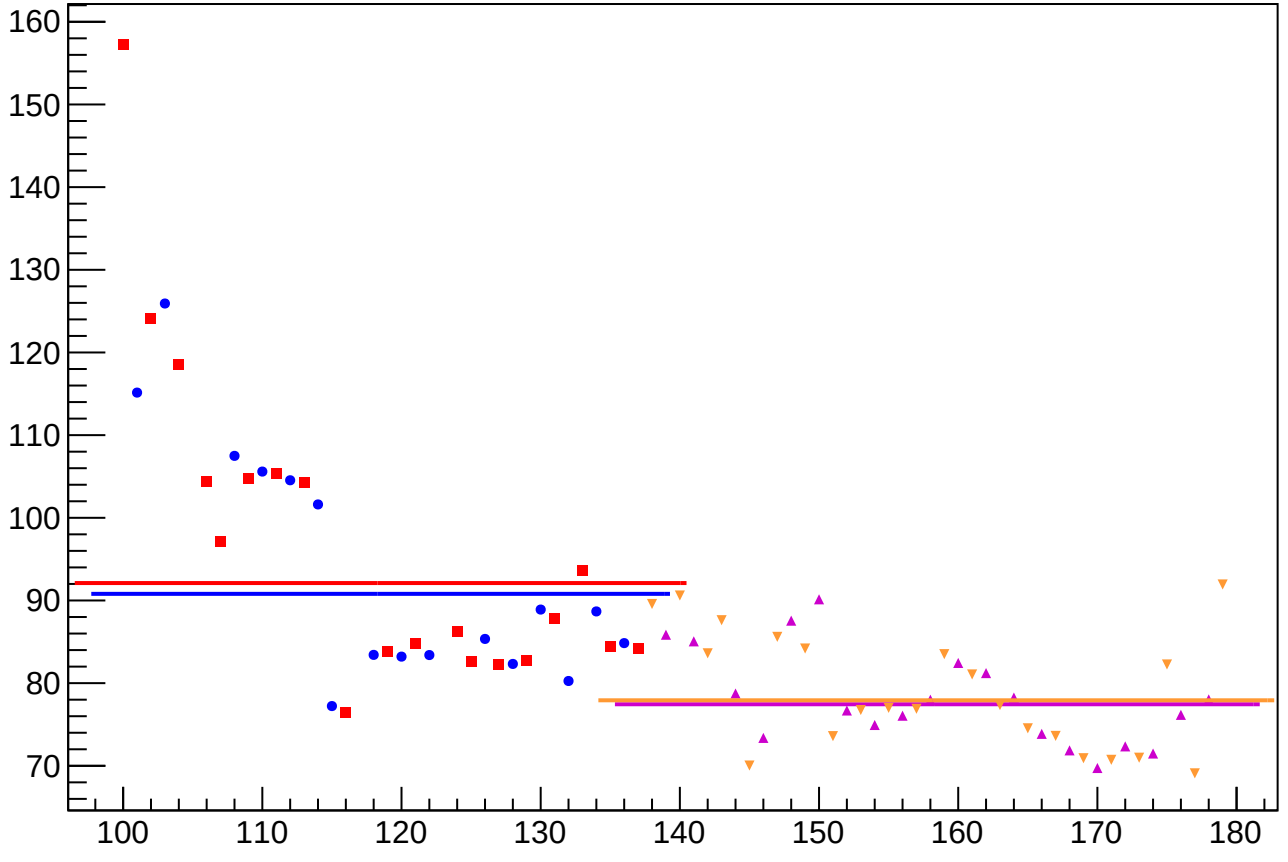
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 33.867+/-16.769 χ^2/NDF:47.4/35

Out: 15.044+/-16.431 χ^2/NDF:74.9/40

All: 24.265+/-11.736 χ^2/NDF: 122.9/76

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

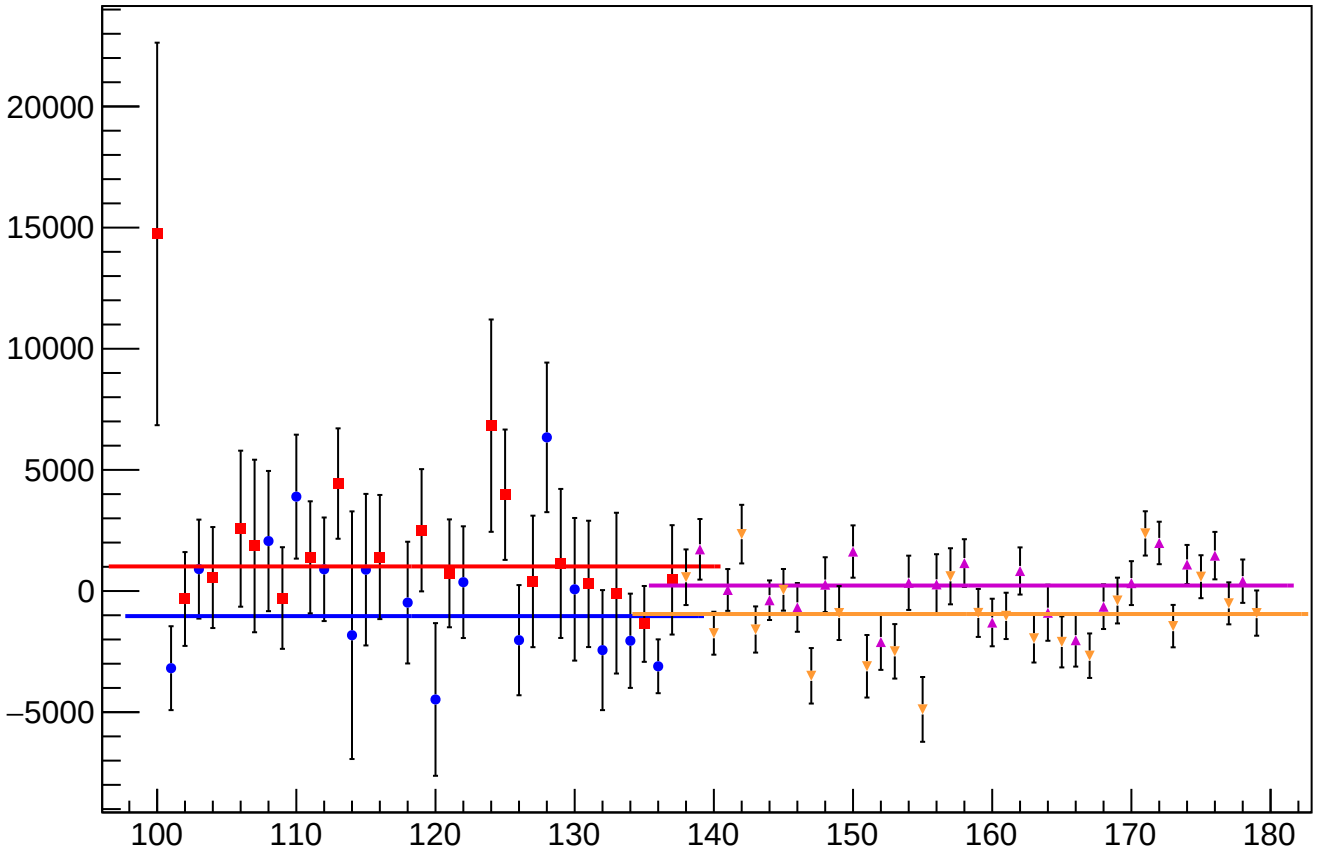
Left: 77.692+/-0.009 χ^2/NDF: 427222.3/41

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.663+/-0.012 χ^2/NDF:664466.2/35

Out: 81.196+/-0.012 χ^2/NDF:831999.5/40

All: 80.935+/-0.008 χ^2/NDF: 1497496.4/76



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 226.998+/-220.627 χ^2/NDF:25.2/19

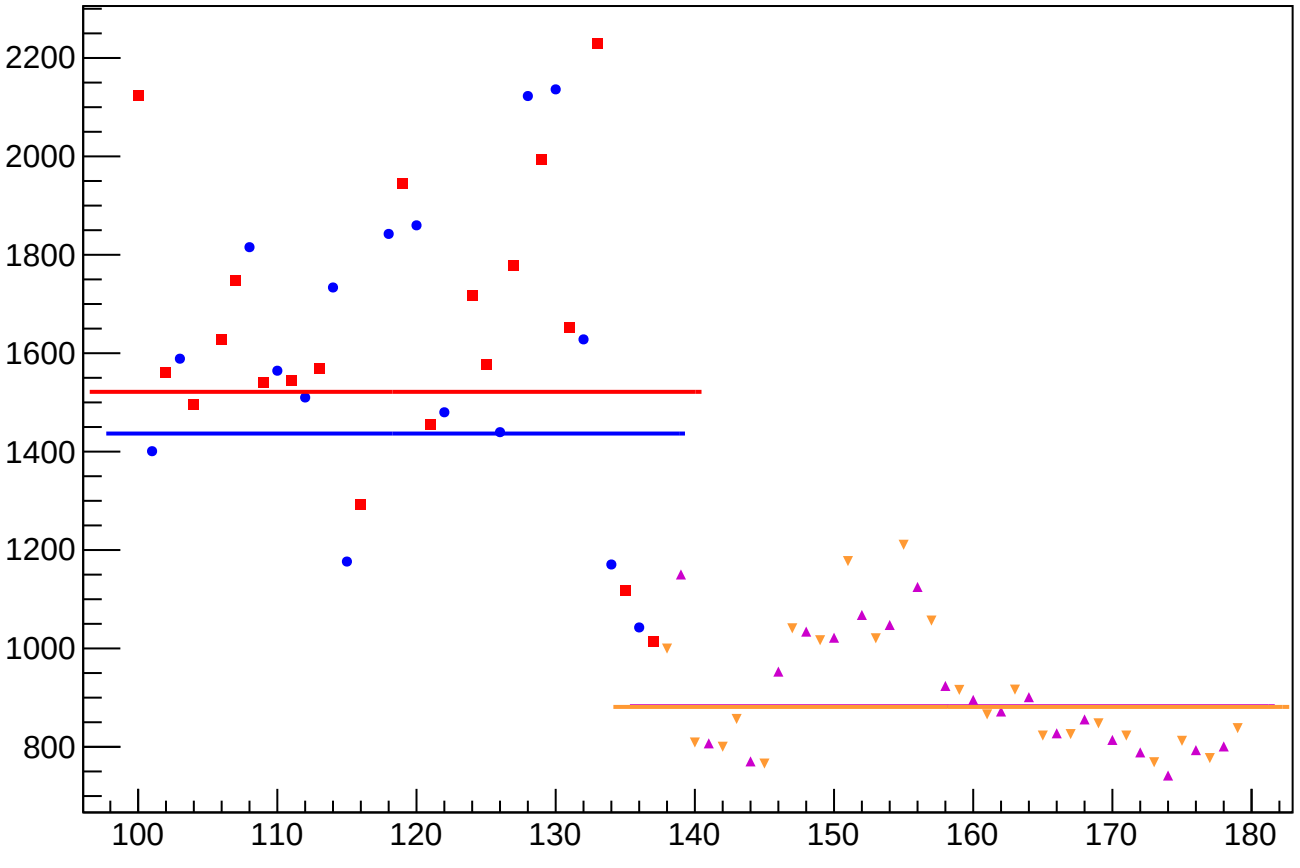
Left: -381.198+/-153.290 χ^2/NDF: 94.7/41

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 52.187+/-204.777 χ^2/NDF:50.0/35

Out: -707.685+/-199.626 χ^2/NDF:77.7/40

All: -337.426+/-142.943 χ^2/NDF: 134.8/76



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 882.635+/-0.156 χ^2/NDF:534893.9/19

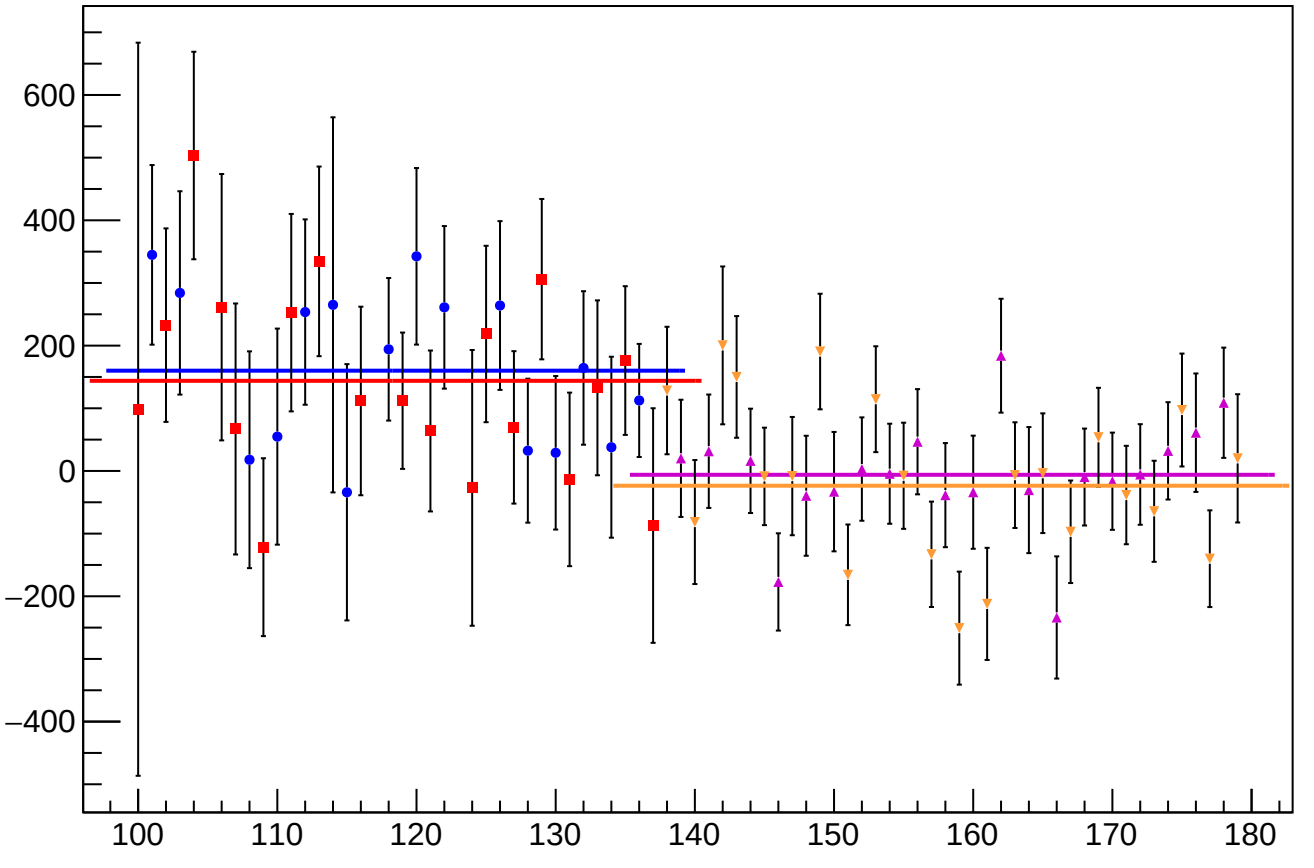
Left: 881.873+/-0.108 χ^2/NDF: 1095430.4/41

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 959.389+/-0.145 χ^2/NDF:2958010.7/35

Out: 959.765+/-0.141 χ^2/NDF:3274811.7/40

All: 959.582+/-0.101 χ^2/NDF: 6232825.8/76


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
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170
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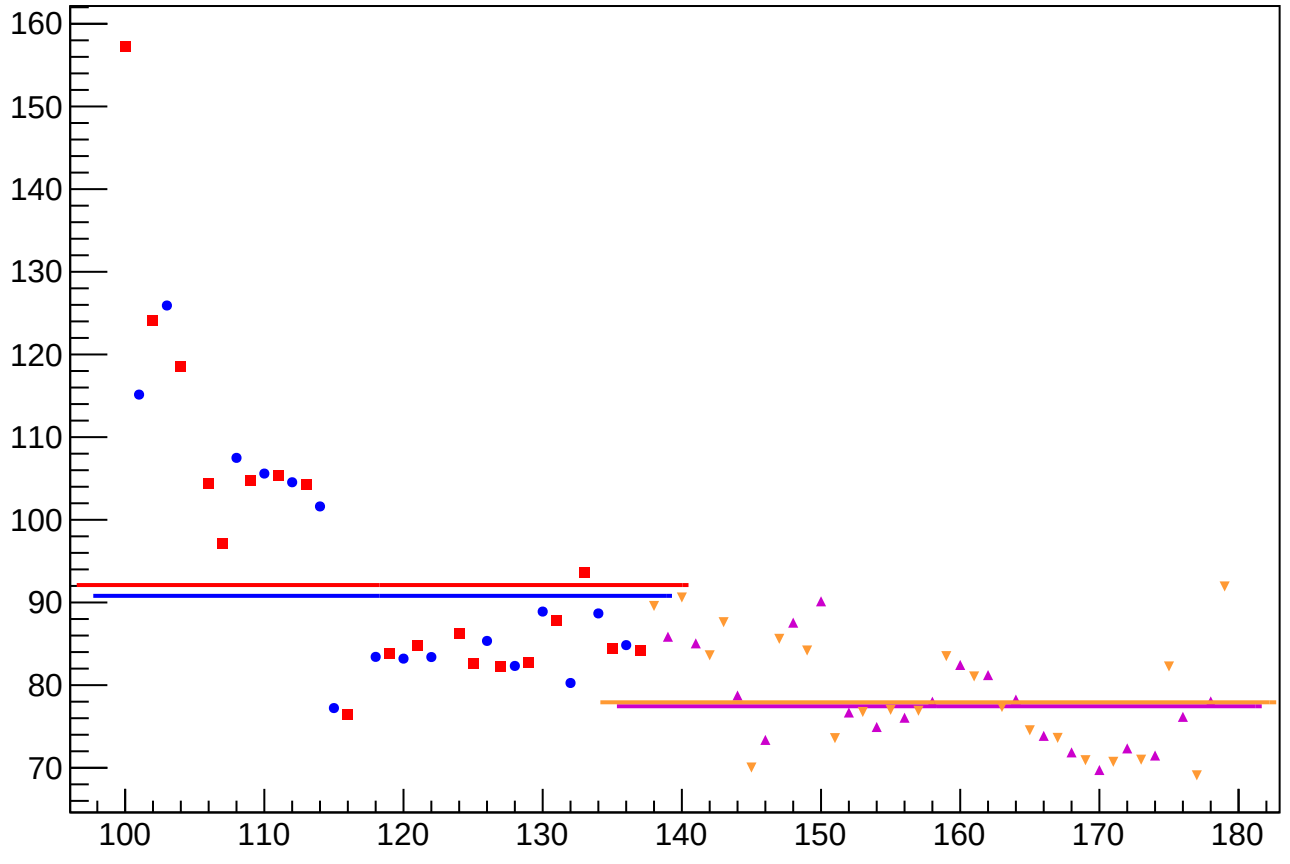
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -23.569+/-18.733 χ²/NDF:39.1/21
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -6.152+/-19.245 χ²/NDF:18.4/19
Left: -15.096+/-13.424 χ²/NDF: 57.9/41
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 33.867+/-16.769 χ²/NDF:47.4/35
Out: 15.044+/-16.431 χ²/NDF:74.9/40
All: 24.265+/-11.736 χ²/NDF: 122.9/76



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.925+/-0.013 χ^2/NDF:266824.7/21

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

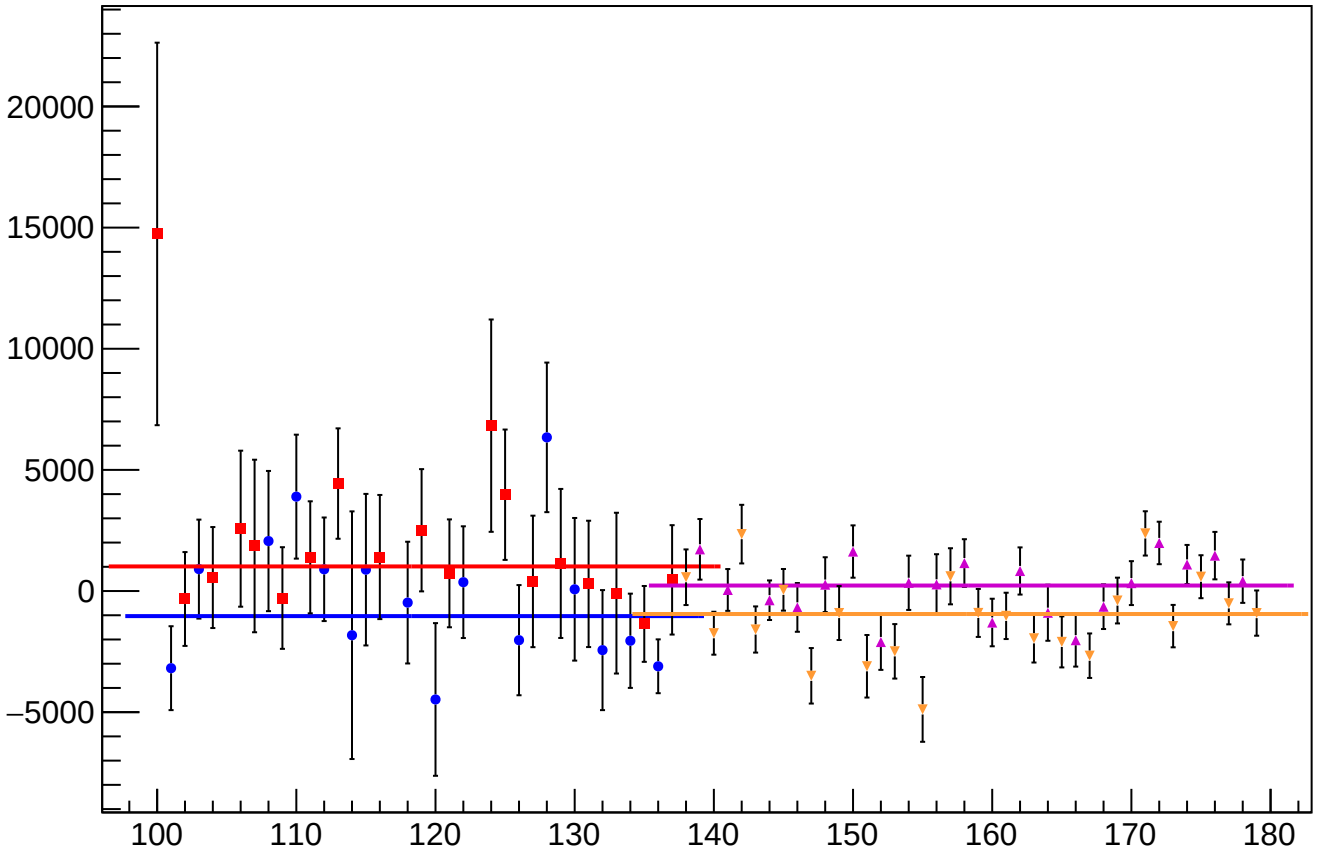
Left: 77.692+/-0.009 χ^2/NDF: 427222.3/41

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.663+/-0.012 χ^2/NDF:664466.2/35

Out: 81.196+/-0.012 χ^2/NDF:831999.5/40

All: 80.935+/-0.008 χ^2/NDF: 1497496.4/76



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -948.794+/-213.136 χ^2/NDF:54.8/21

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 226.998+/-220.627 χ^2/NDF:25.2/19

Left: -381.198+/-153.290 χ^2/NDF: 94.7/41

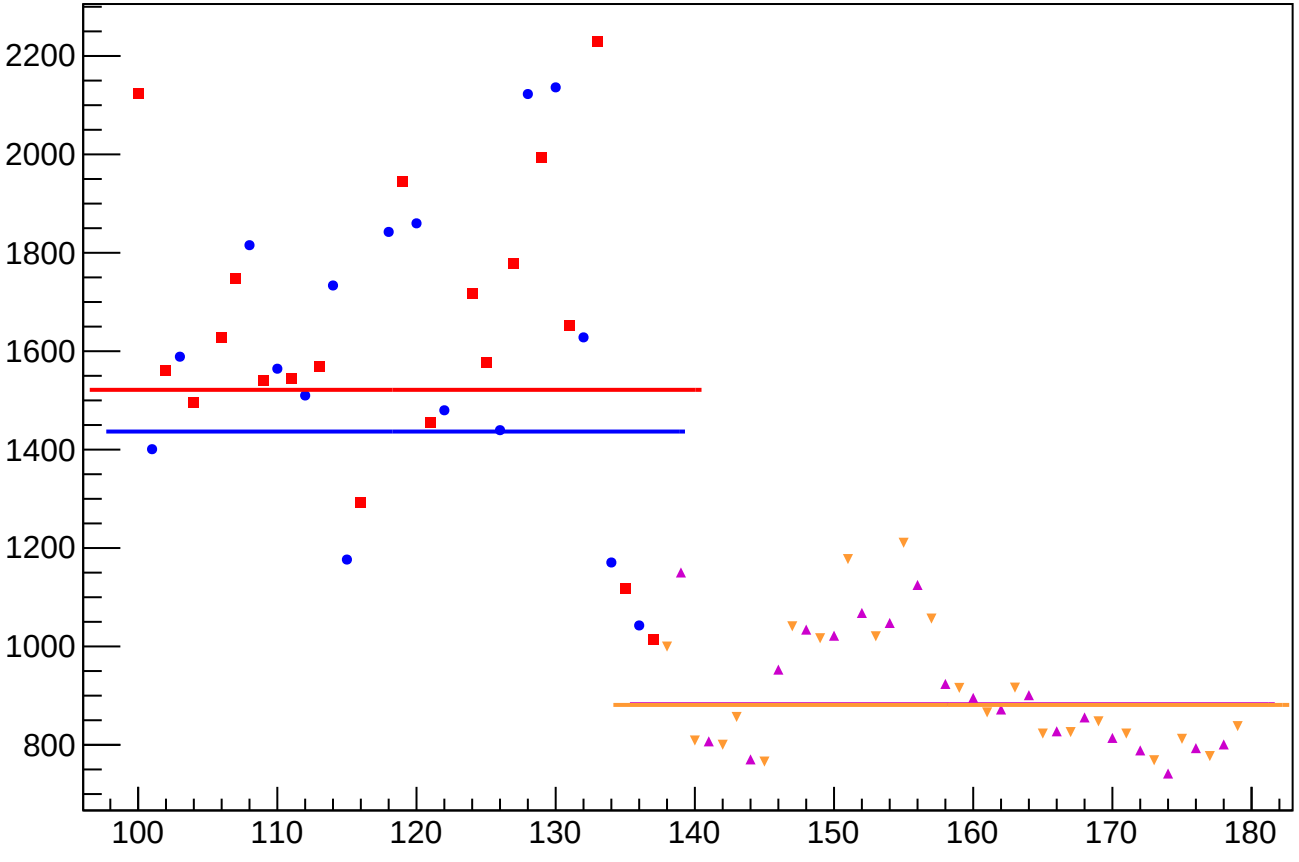
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 52.187+/-204.777 χ^2/NDF:50.0/35

Out: -707.685+/-199.626 χ^2/NDF:77.7/40

All: -337.426+/-142.943 χ^2/NDF: 134.8/76

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 881.162+/-0.151 χ^2/NDF:560490.4/21

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 882.635+/-0.156 χ^2/NDF:534893.9/19

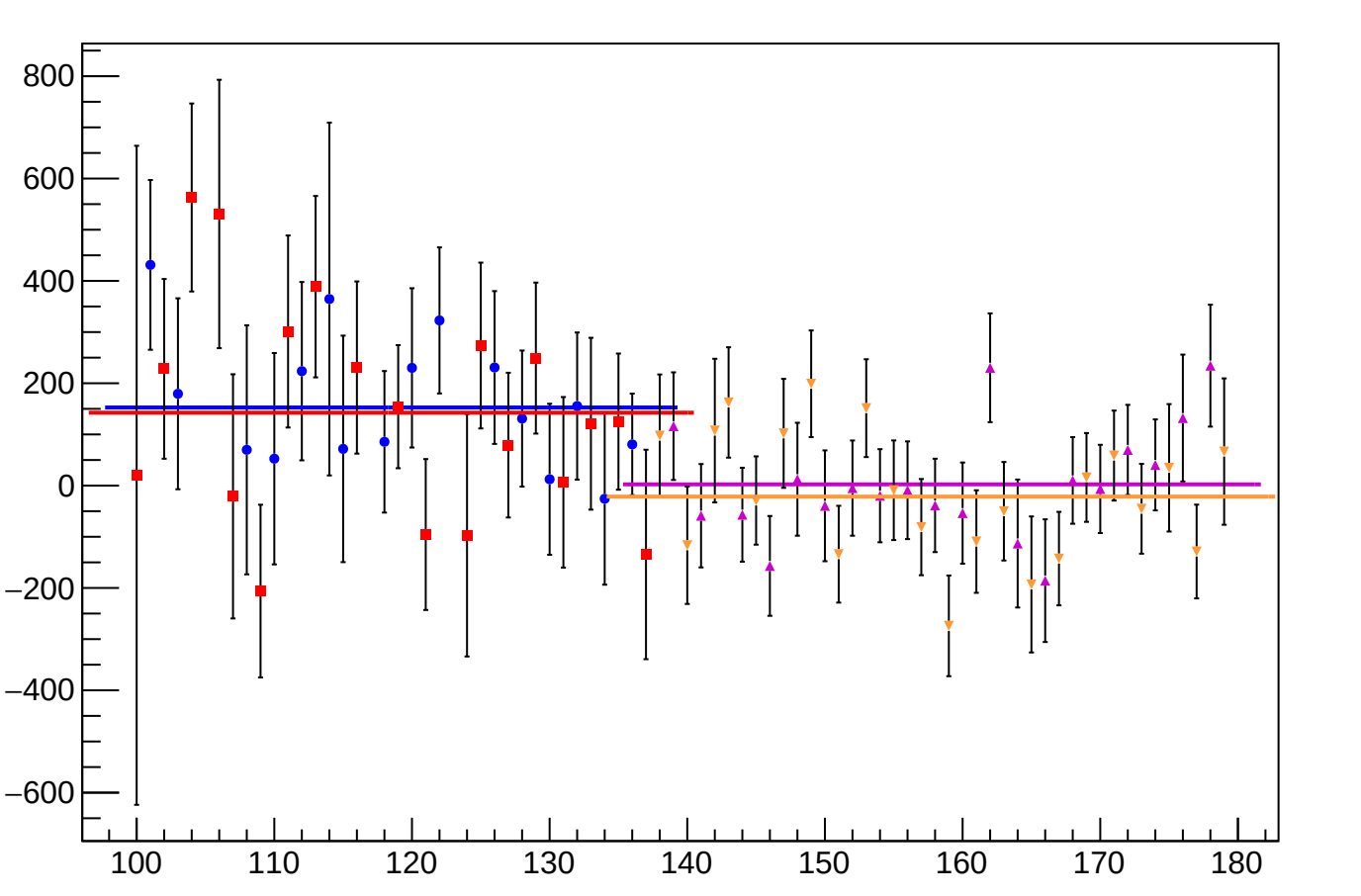
Left: 881.873+/-0.108 χ^2/NDF: 1095430.4/41

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 959.389+/-0.145 χ^2/NDF:2958010.7/35

Out: 959.765+/-0.141 χ^2/NDF:3274811.7/40

All: 959.582+/-0.101 χ^2/NDF: 6232825.8/76


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
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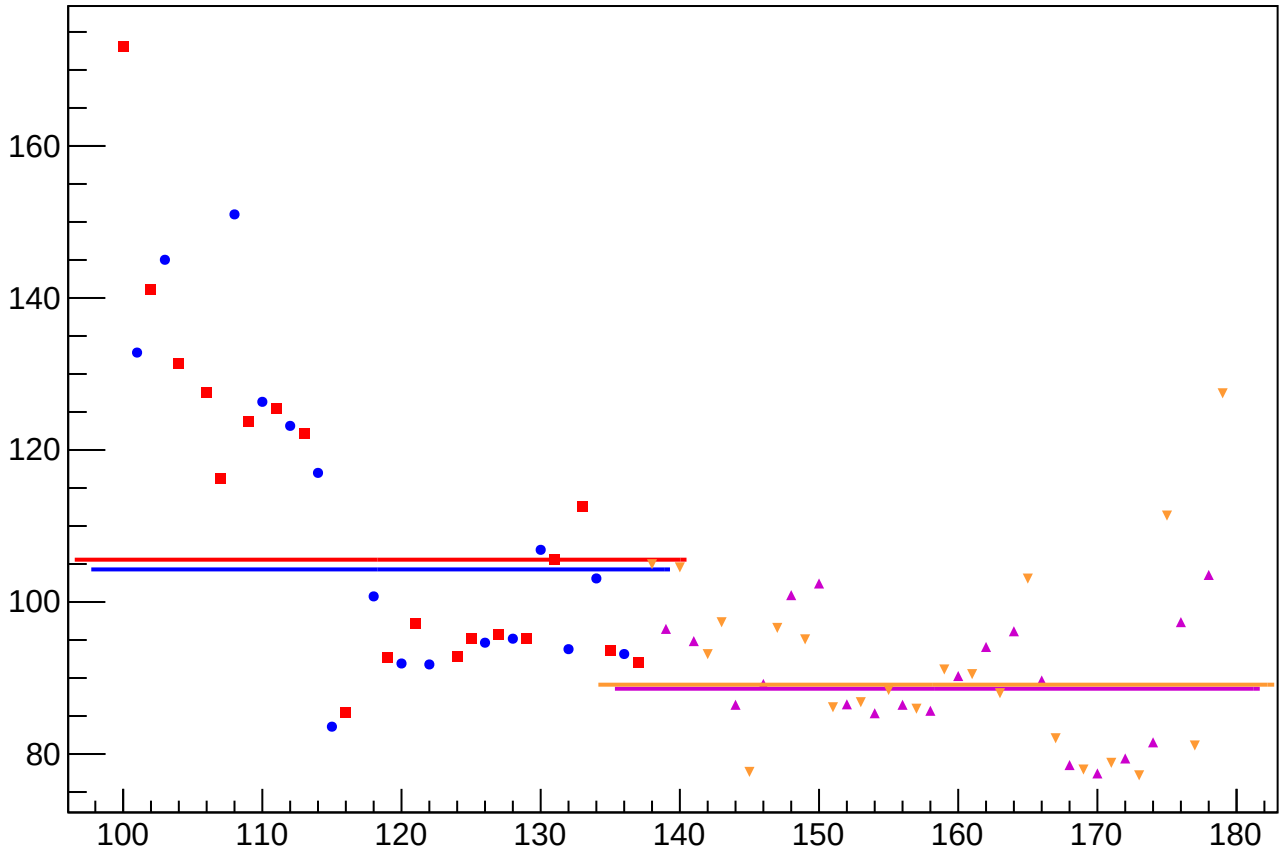
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -21.562+/-21.567 χ²/NDF:30.3/21
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 2.455+/-22.165 χ²/NDF:19.0/19
Left: -9.882+/-15.458 χ²/NDF: 49.9/41
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 38.492+/-19.324 χ²/NDF:38.6/35
Out: 16.351+/-18.912 χ²/NDF:66.6/40
All: 27.183+/-13.516 χ²/NDF: 105.9/76



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 89.122+/-0.015 χ^2/NDF:497676.6/21

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.590+/-0.016 χ^2/NDF:234987.1/19

Left: 88.863+/-0.011 χ^2/NDF: 733256.0/41

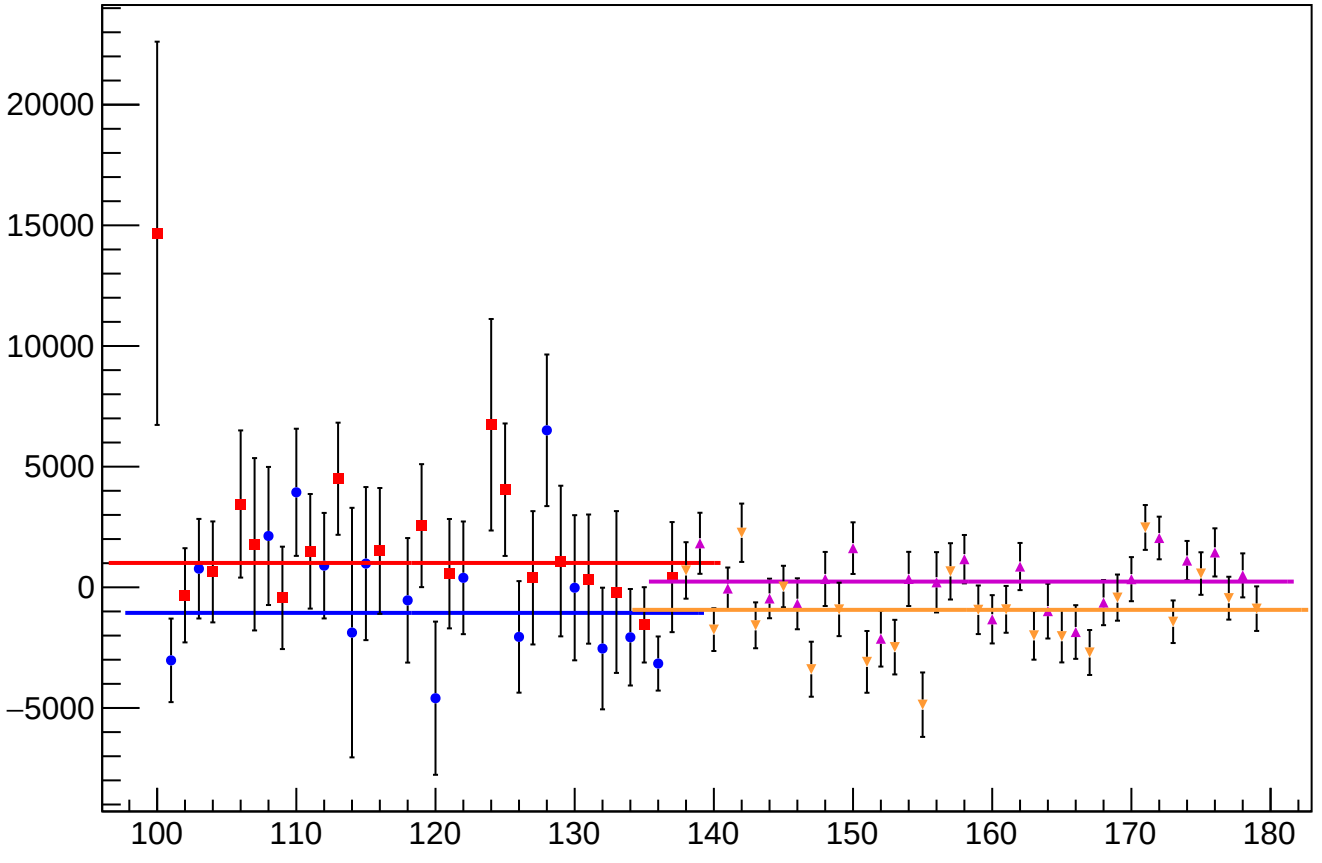
Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 92.357+/-0.014 χ^2/NDF:853978.0/35

Out: 92.923+/-0.013 χ^2/NDF:1111035.1/40

All: 92.646+/-0.010 χ^2/NDF: 1965889.8/76

asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -933.730+/-214.583 χ^2/NDF:54.4/21

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 237.249+/-222.780 χ^2/NDF:25.2/19

Left: -370.180+/-154.550 χ^2/NDF: 94.0/41

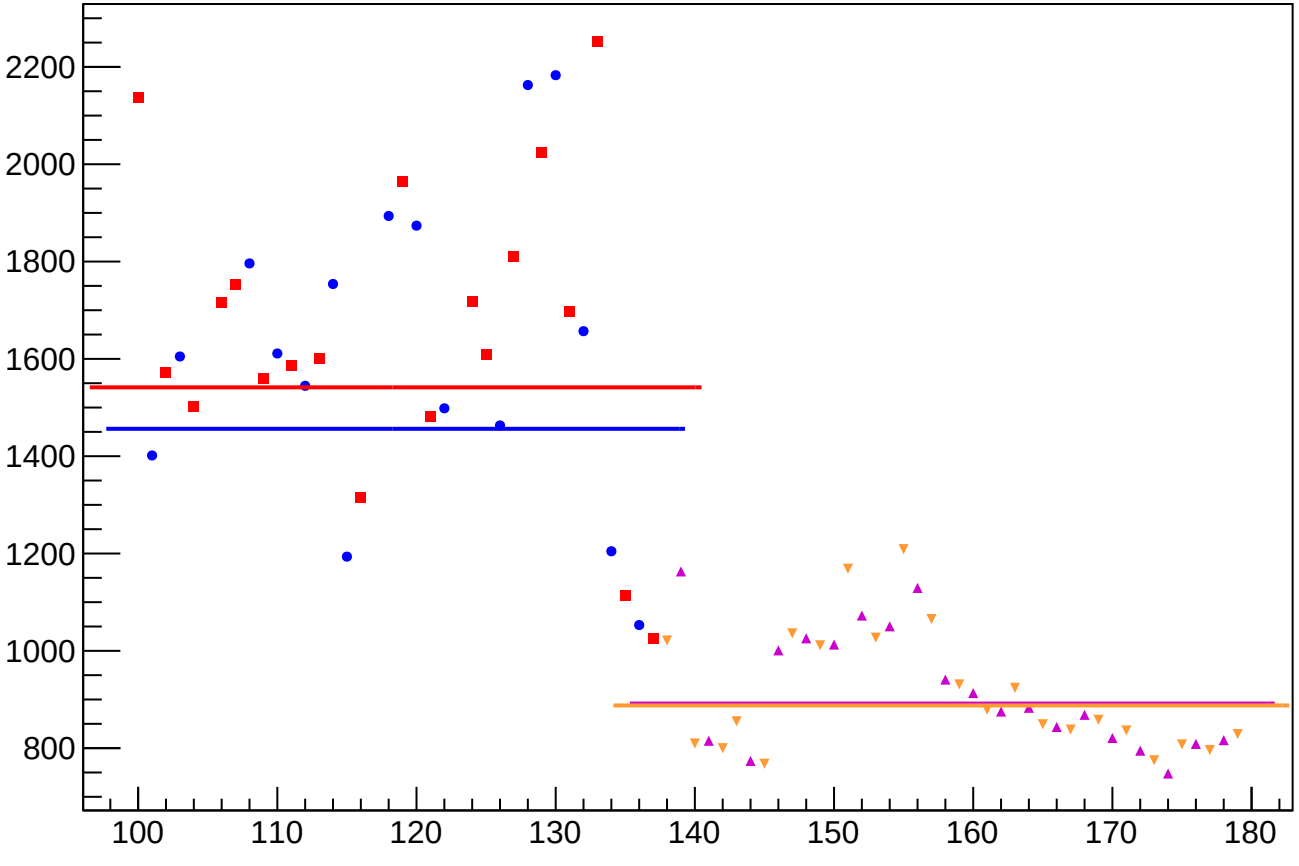
Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: 58.791+/-206.882 χ^2/NDF:49.9/35

Out: -696.204+/-201.044 χ^2/NDF:77.7/40

All: -329.509+/-144.179 χ^2/NDF: 134.5/76

asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 887.775+/-0.152 χ^2/NDF:541761.2/21

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 891.647+/-0.158 χ^2/NDF:523412.0/19

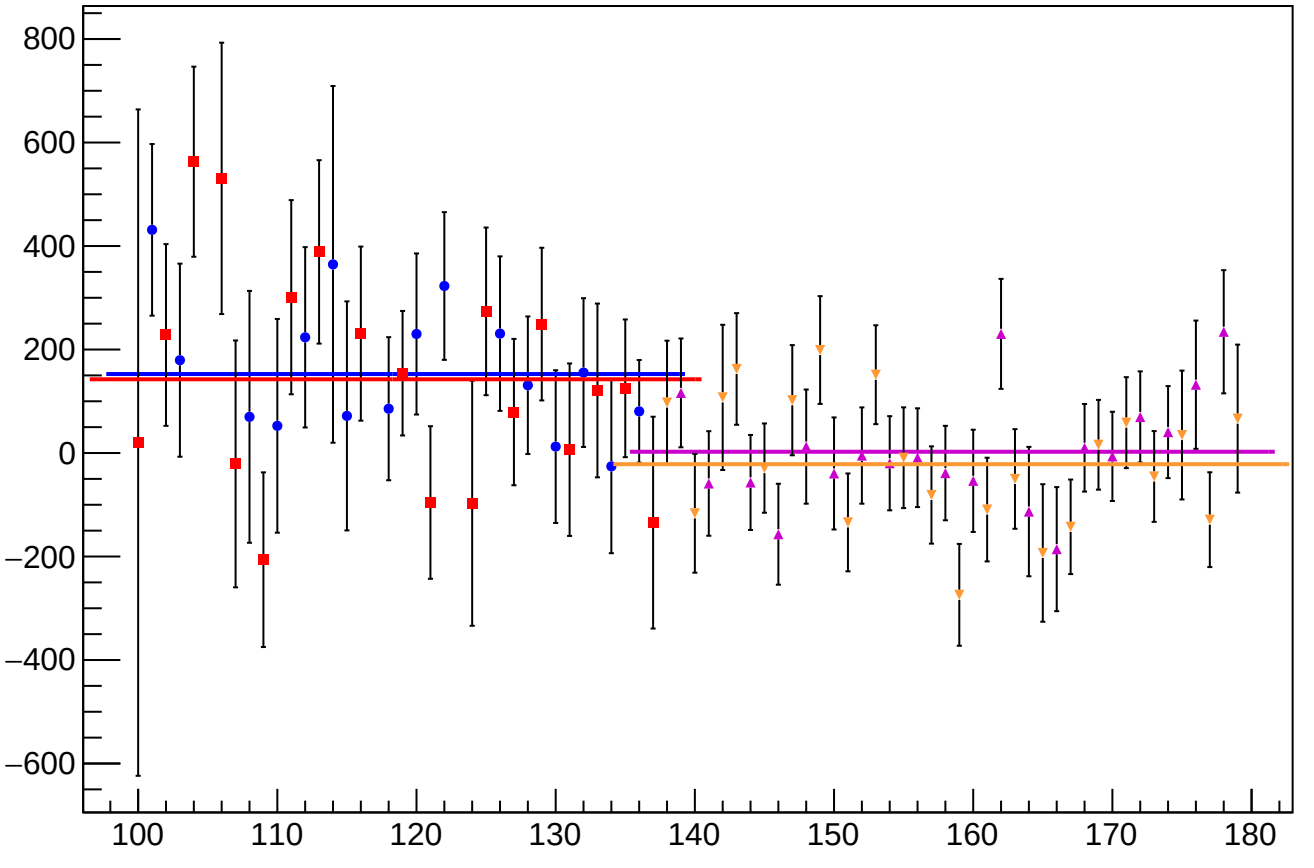
Left: 889.638+/-0.109 χ^2/NDF: 1065486.6/41

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 969.363+/-0.146 χ^2/NDF:2976593.0/35

Out: 967.667+/-0.142 χ^2/NDF:3329685.0/40

All: 968.491+/-0.102 χ^2/NDF: 6306347.2/76


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
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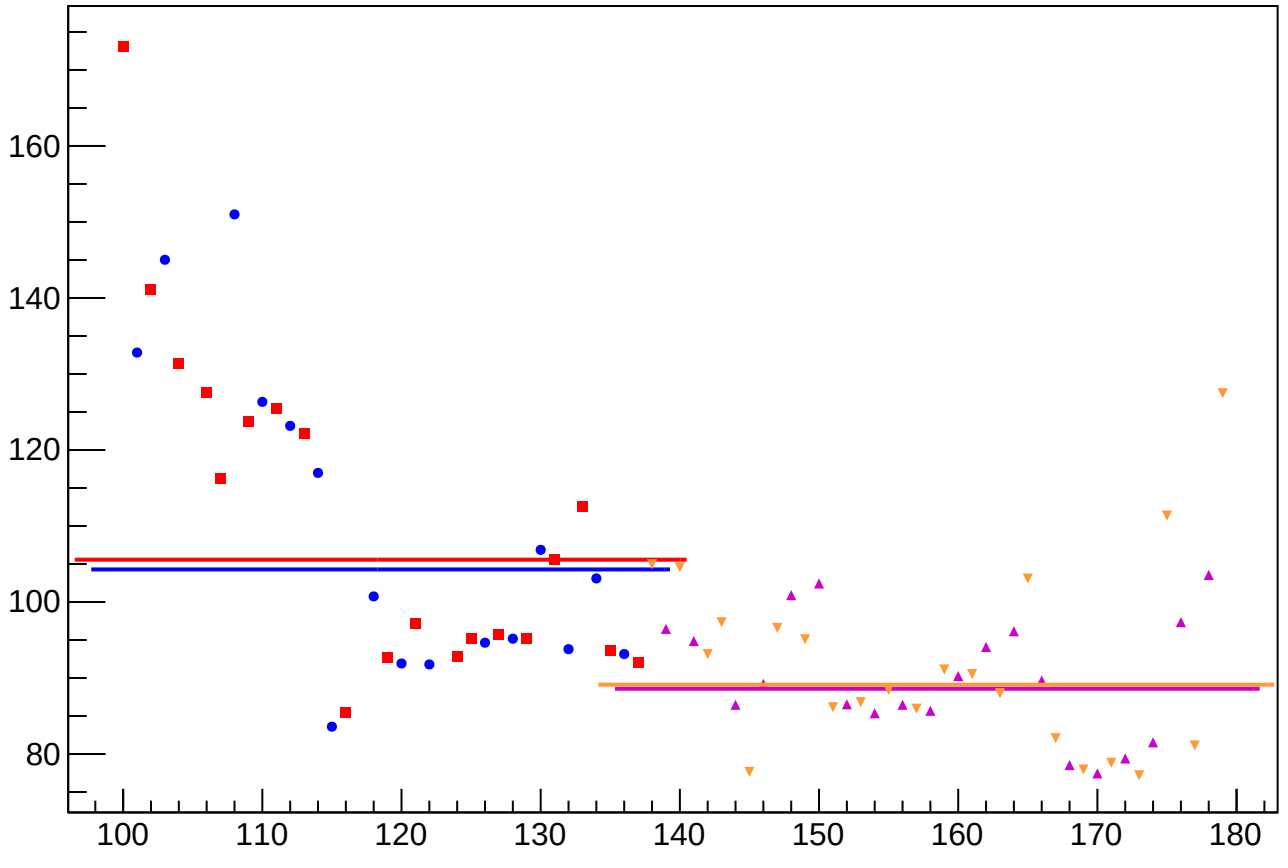
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -21.562+/-21.567 χ²/NDF:30.3/21
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: 2.454+/-22.165 χ²/NDF:19.0/19
Left: -9.882+/-15.458 χ²/NDF: 49.9/41
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 38.493+/-19.324 χ²/NDF:38.6/35
Out: 16.350+/-18.912 χ²/NDF:66.6/40
All: 27.183+/-13.516 χ²/NDF: 105.9/76



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 89.122+/-0.015 χ^2/NDF:497684.9/21

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.590+/-0.016 χ^2/NDF:234986.1/19

Left: 88.863+/-0.011 χ^2/NDF: 733263.5/41

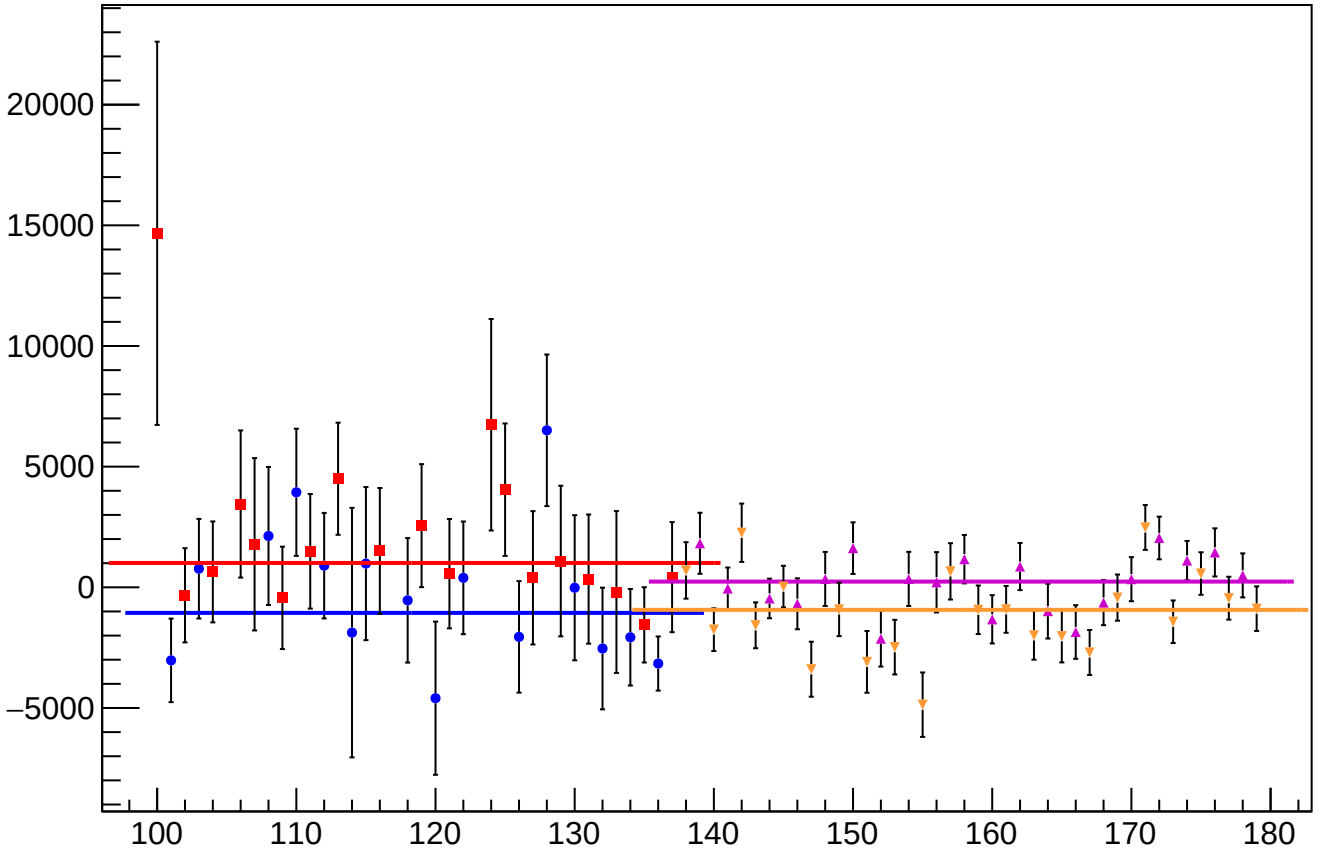
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 92.356+/-0.014 χ^2/NDF:853952.7/35

Out: 92.923+/-0.013 χ^2/NDF:1111018.6/40

All: 92.646+/-0.010 χ^2/NDF: 1965848.4/76

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -933.730+/-214.583 χ^2/NDF:54.4/21

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 237.248+/-222.780 χ^2/NDF:25.2/19

Left: -370.180+/-154.550 χ^2/NDF: 94.0/41

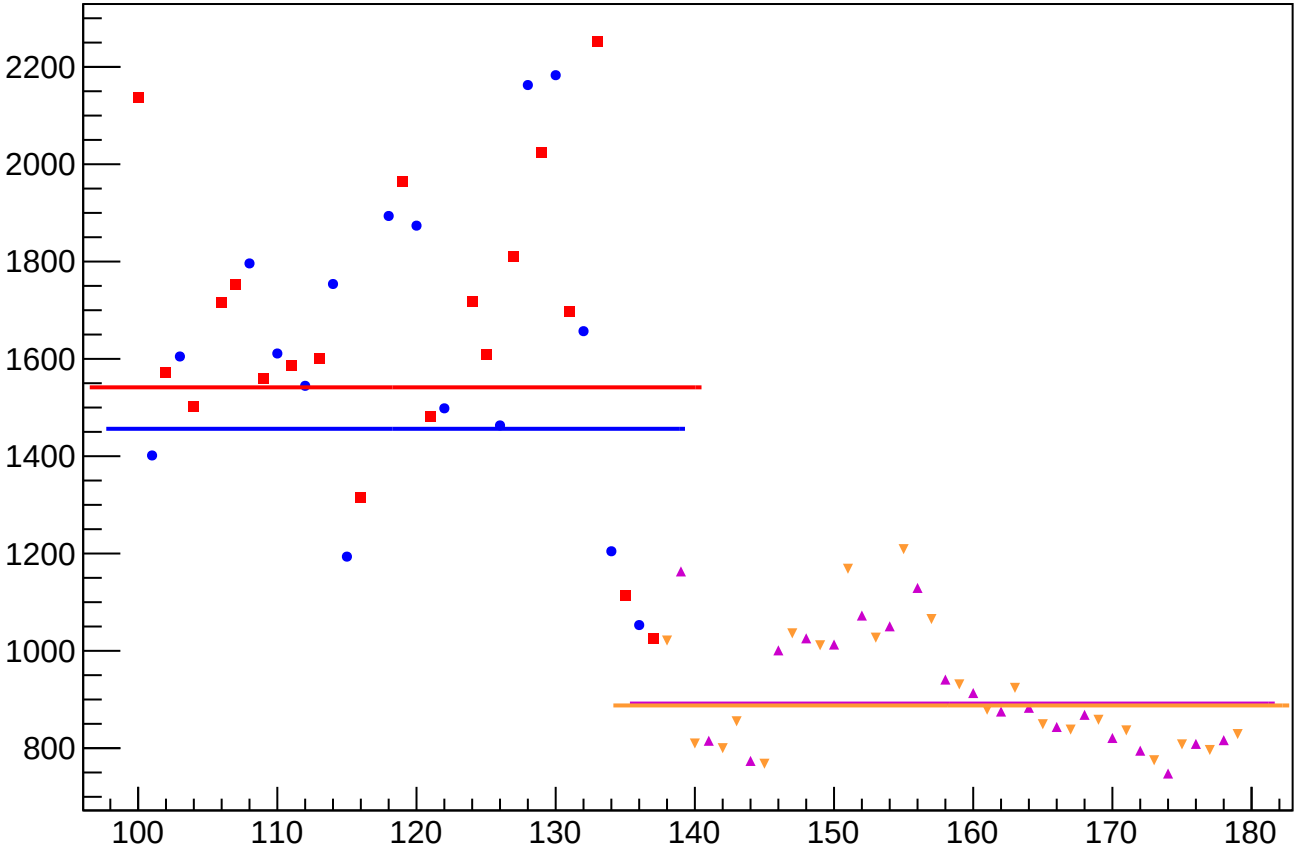
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: 58.790+/-206.882 χ^2/NDF:49.9/35

Out: -696.204+/-201.044 χ^2/NDF:77.7/40

All: -329.509+/-144.179 χ^2/NDF: 134.5/76

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 887.774+/-0.152 χ^2/NDF:541761.6/21

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 891.646+/-0.158 χ^2/NDF:523411.6/19

Left: 889.638+/-0.109 χ^2/NDF: 1065486.5/41

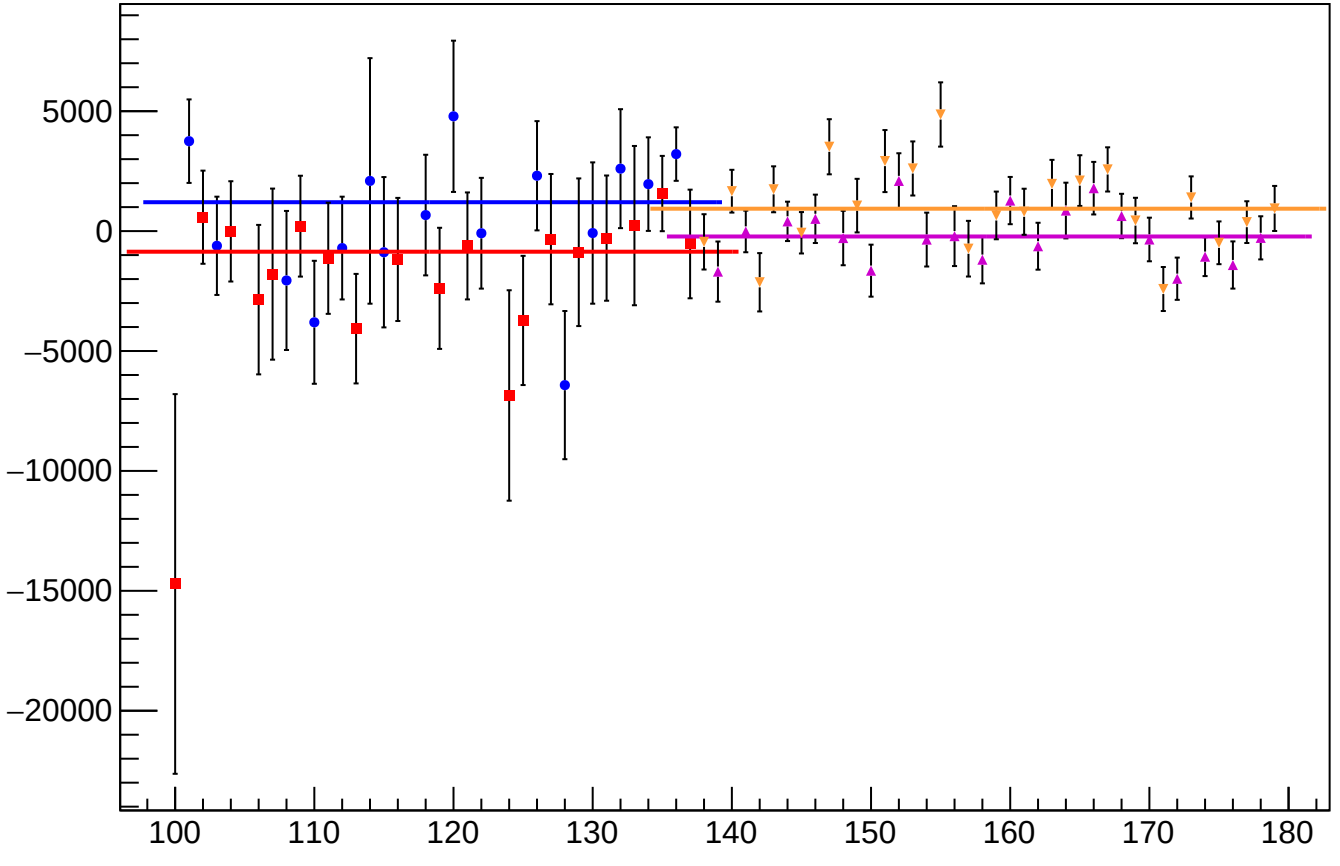
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 969.362+/-0.146 χ^2/NDF:2976584.3/35

Out: 967.667+/-0.142 χ^2/NDF:3329677.1/40

All: 968.490+/-0.102 χ^2/NDF: 6306330.5/76

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 934.079+/-214.042 χ^2/NDF:53.2/21

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -224.566+/-221.534 χ^2/NDF:23.4/19

Left: 374.679+/-153.931 χ^2/NDF: 90.8/41

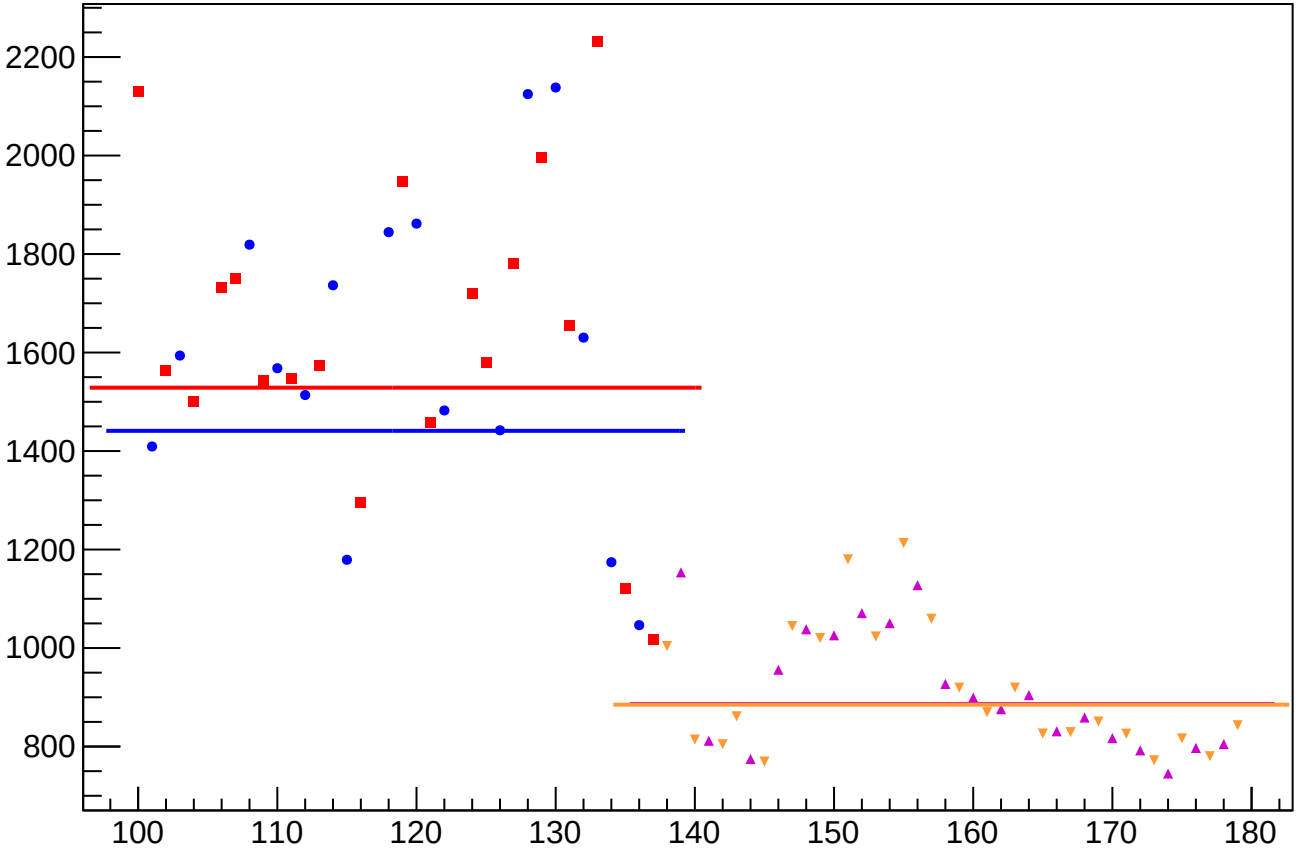
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: -26.129+/-205.581 χ^2/NDF:50.4/35

Out: 712.716+/-200.397 χ^2/NDF:74.4/40

All: 352.726+/-143.500 χ^2/NDF: 131.3/76

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 885.022+/-0.151 χ^2/NDF:554373.4/21

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 886.367+/-0.157 χ^2/NDF:528939.5/19

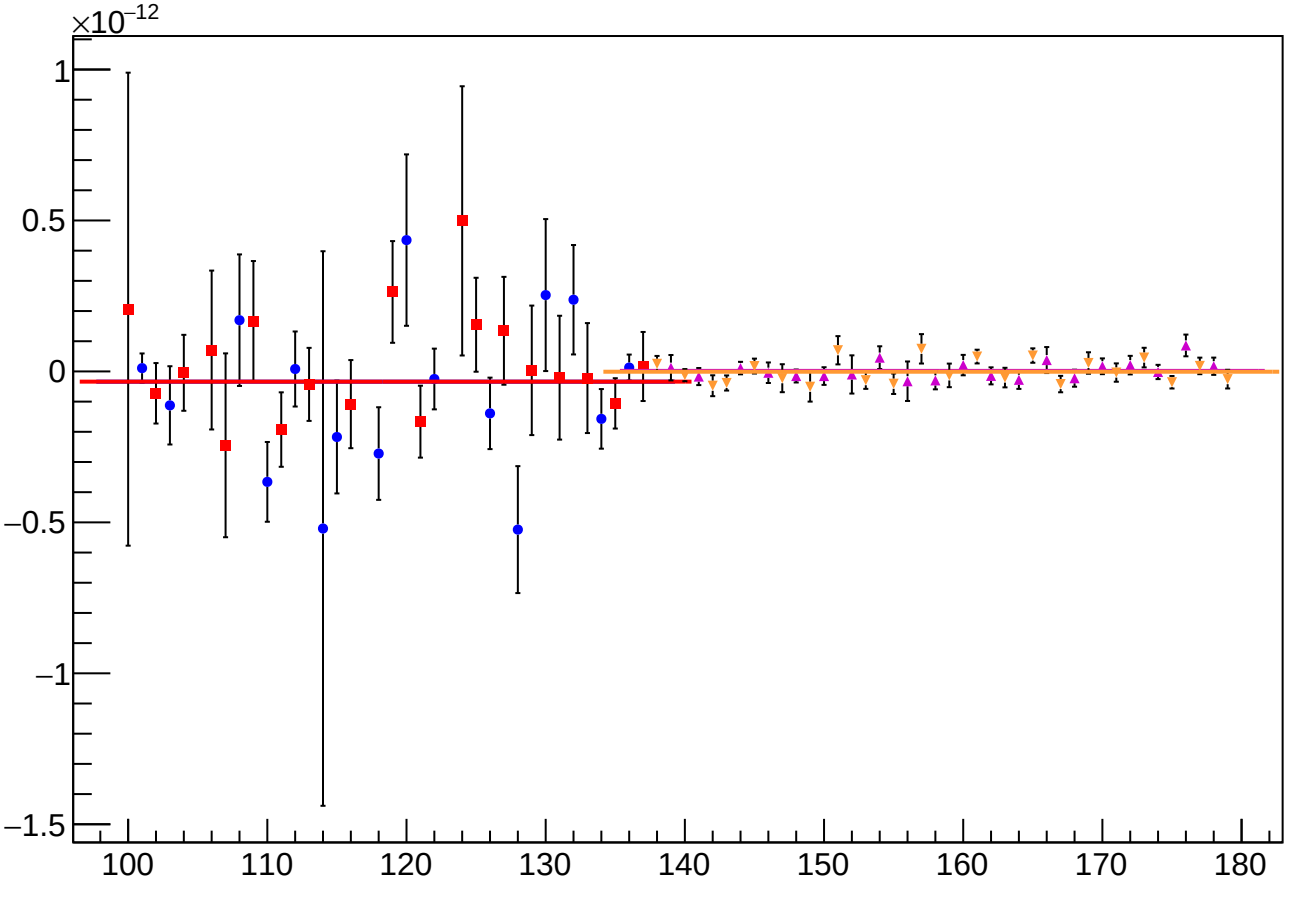
Left: 885.671+/-0.109 χ^2/NDF: 1083351.1/41

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 963.375+/-0.145 χ^2/NDF:2940271.1/35

Out: 964.468+/-0.142 χ^2/NDF:3288331.2/40

All: 963.936+/-0.101 χ^2/NDF: 6228631.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.1/19

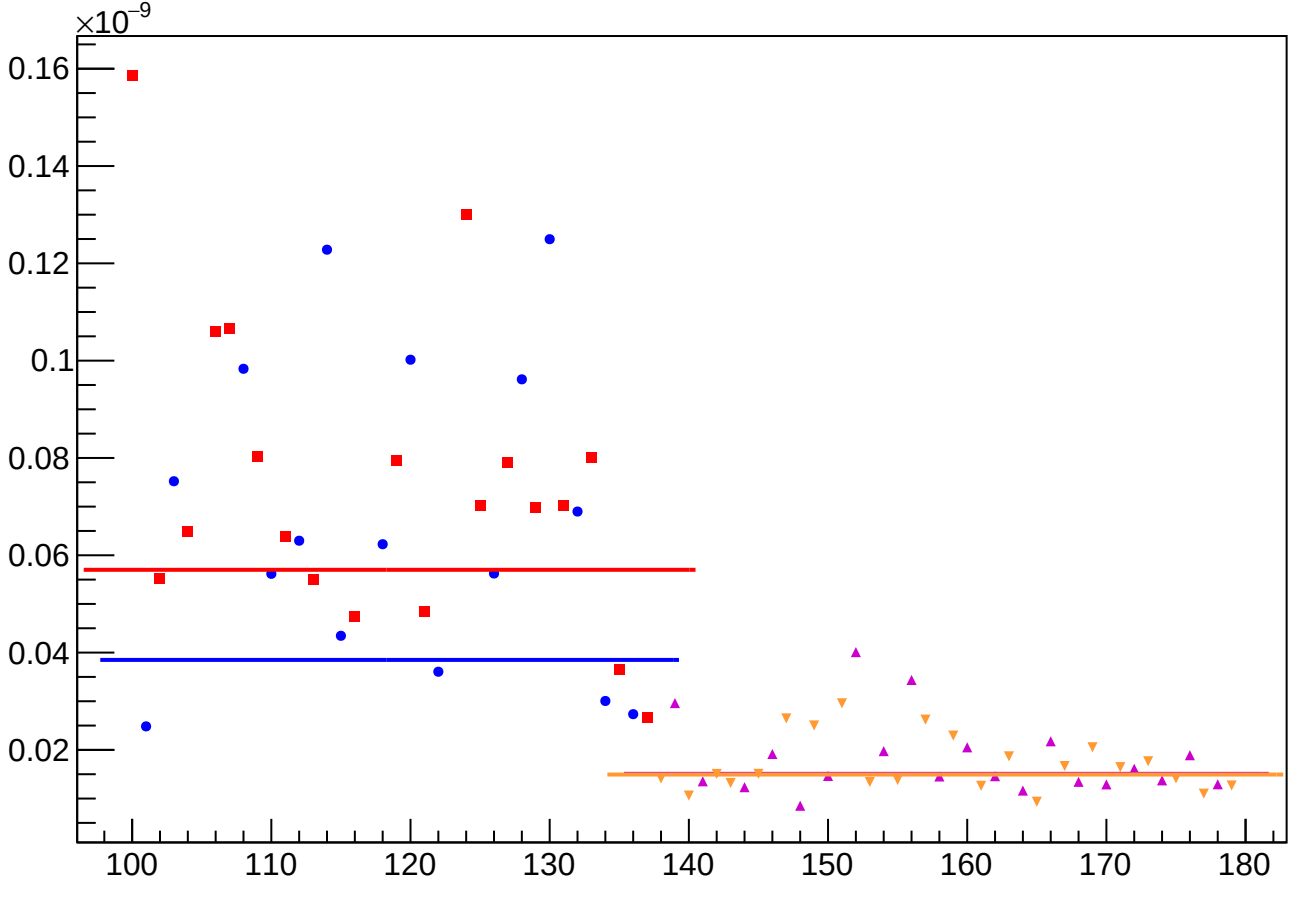
Left: 0.000+/-0.000 χ^2/NDF: 47.7/41

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:43.4/35

Out: -0.000+/-0.000 χ^2/NDF:47.4/40

All: -0.000+/-0.000 χ^2/NDF: 90.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:994915.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1203799.5/19

Left: 0.000+/-0.000 χ^2/NDF: 2199202.3/41

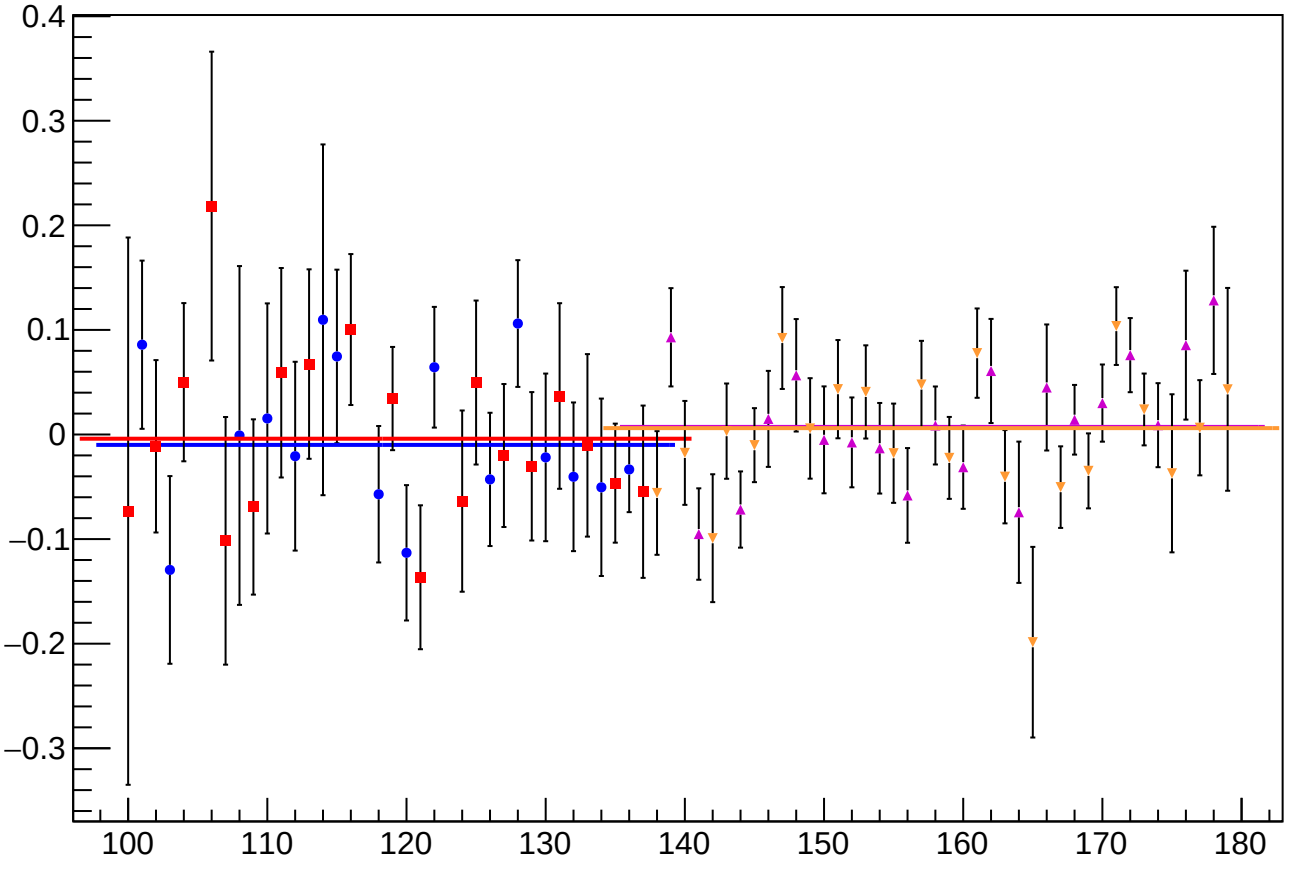
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4215530.6/35

Out: 0.000+/-0.000 χ^2/NDF:4655141.9/40

All: 0.000+/-0.000 χ^2/NDF: 8873829.1/76

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:29.2/19

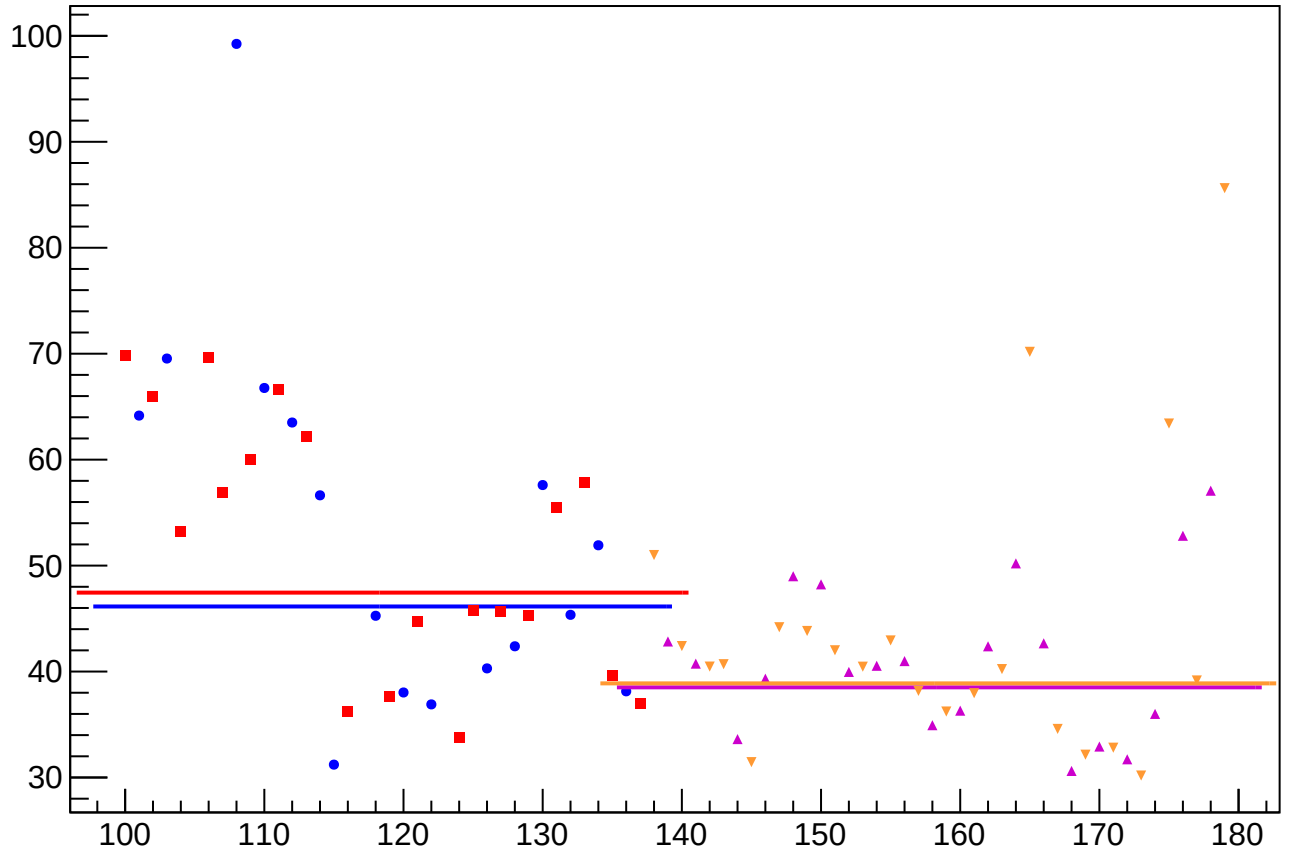
Left: 0.007+/-0.007 χ^2/NDF: 59.8/41

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 88.8/76



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457952.8/21

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.508+/-0.007 χ^2/NDF:785221.2/19

Left: 38.700+/-0.005 χ^2/NDF: 2244642.8/41

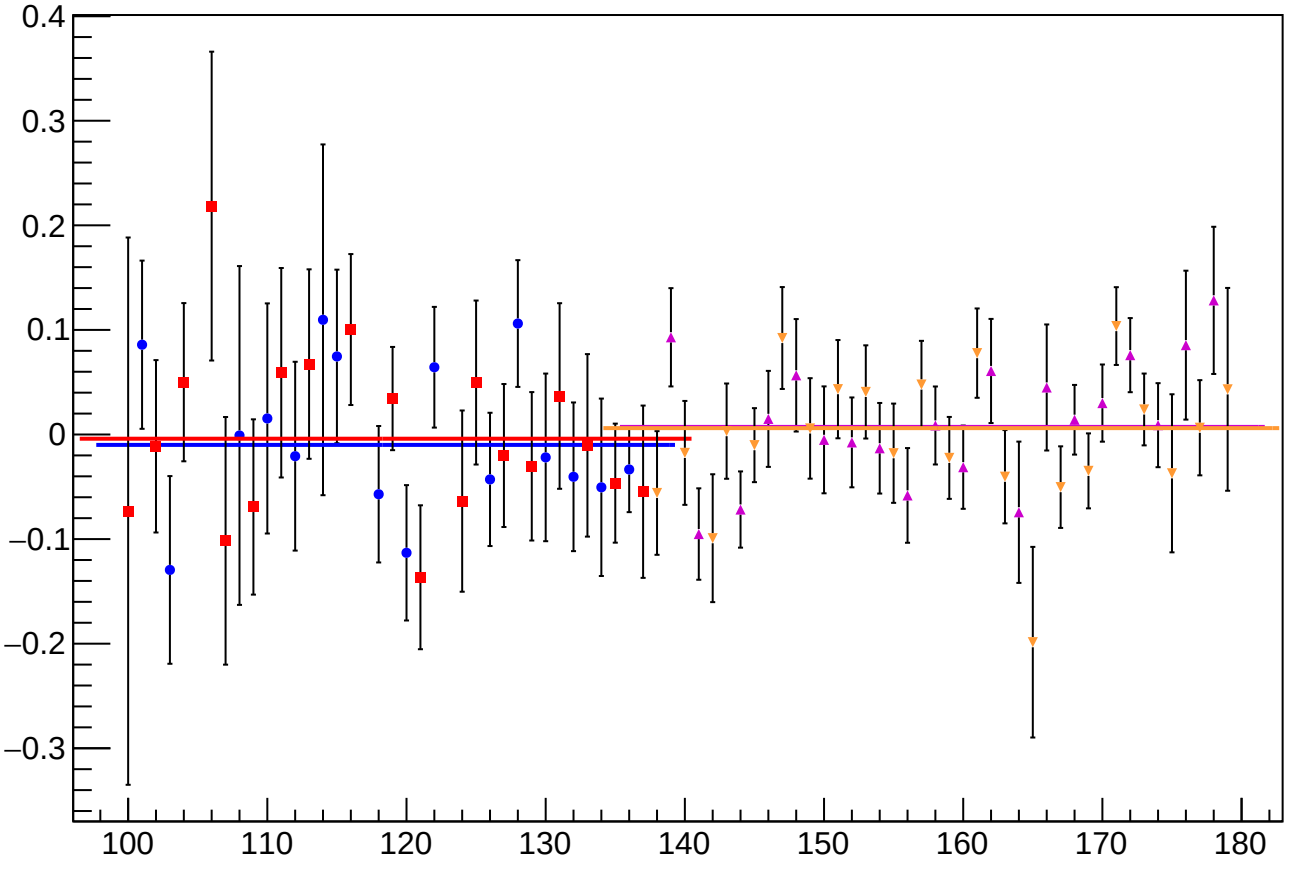
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.283+/-0.006 χ^2/NDF:1964733.0/35

Out: 40.791+/-0.006 χ^2/NDF:2461105.8/40

All: 40.542+/-0.004 χ^2/NDF: 4429321.6/76

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:29.2/19

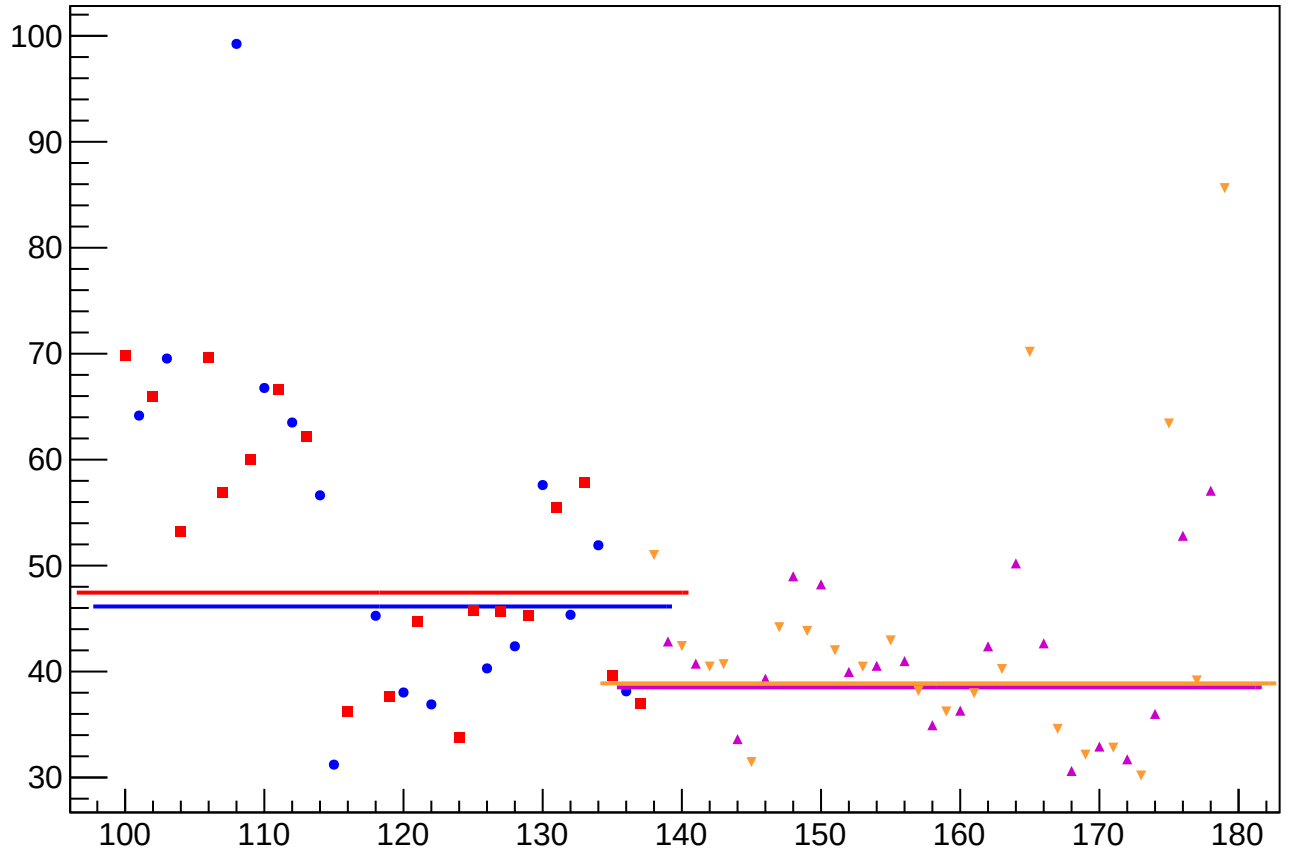
Left: 0.007+/-0.007 χ^2/NDF: 59.8/41

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 88.8/76



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457952.8/21

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.508+/-0.007 χ^2/NDF:785221.2/19

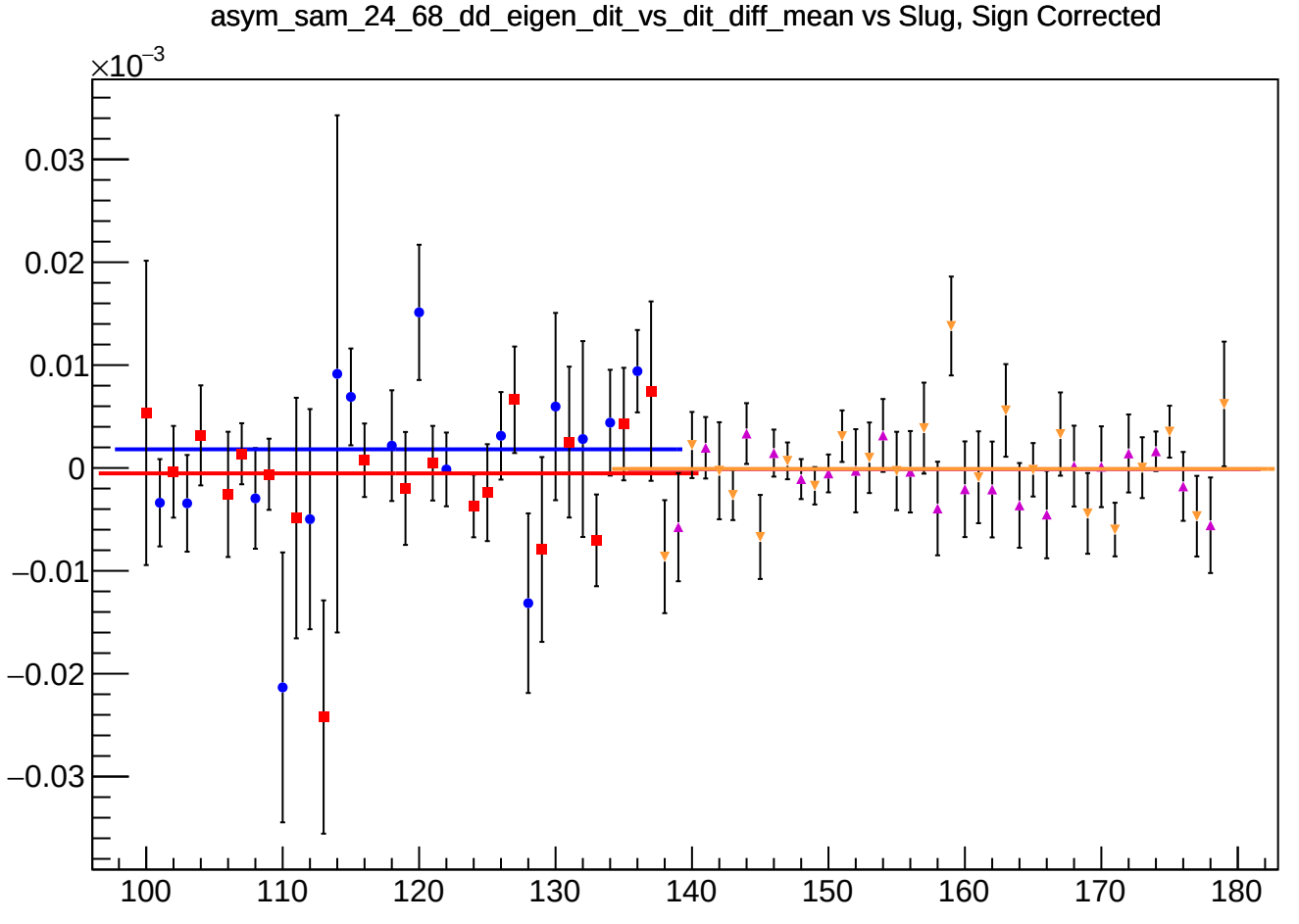
Left: 38.700+/-0.005 χ^2/NDF: 2244642.8/41

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.283+/-0.006 χ^2/NDF:1964733.0/35

Out: 40.791+/-0.006 χ^2/NDF:2461105.8/40

All: 40.542+/-0.004 χ^2/NDF: 4429321.6/76



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/19

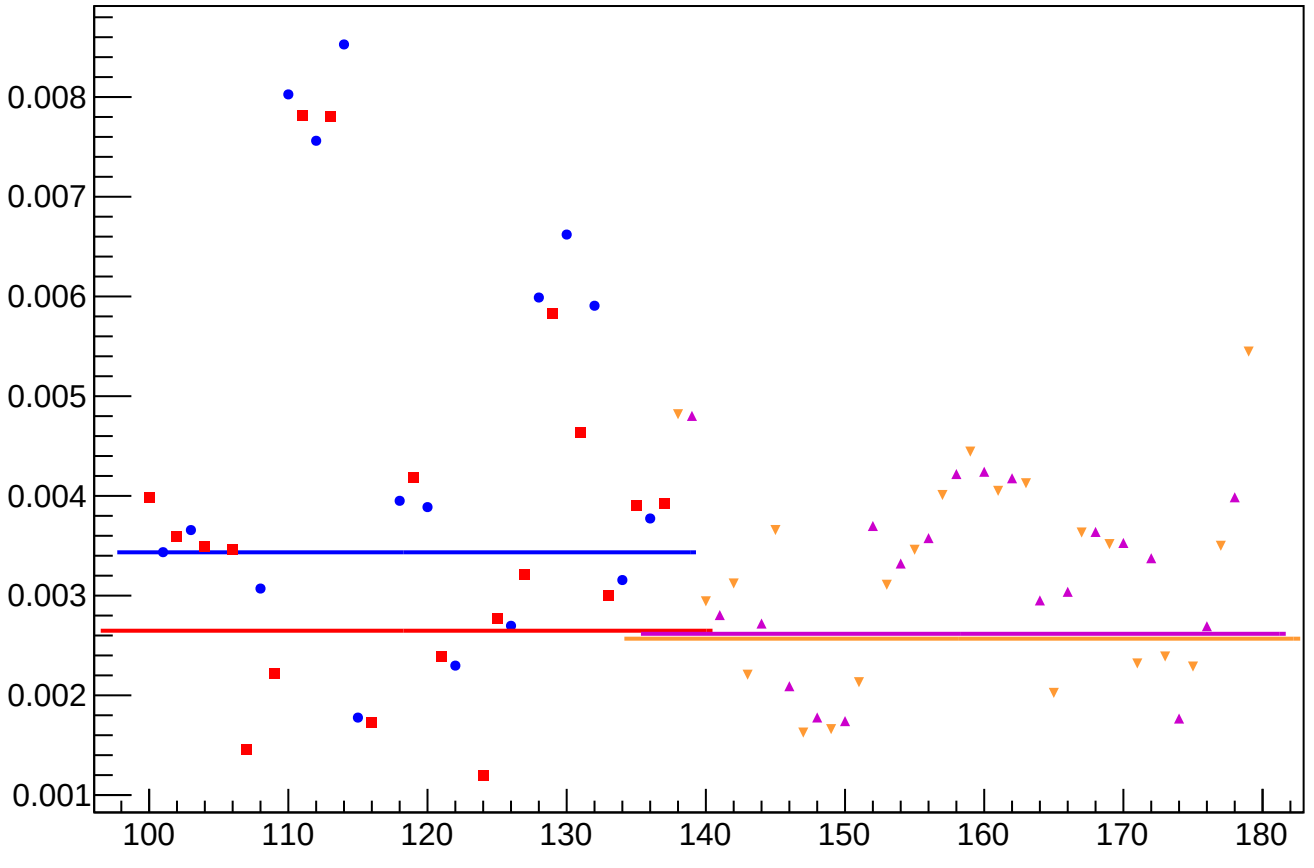
Left: -0.000+/-0.000 χ^2/NDF: 41.8/41

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:31.7/35

Out: -0.000+/-0.000 χ^2/NDF:45.6/40

All: 0.000+/-0.000 χ^2/NDF: 77.6/76



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3782069.3/21

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3263264.0/19

Left: 0.003+/-0.000 χ^2/NDF: 7050583.7/41

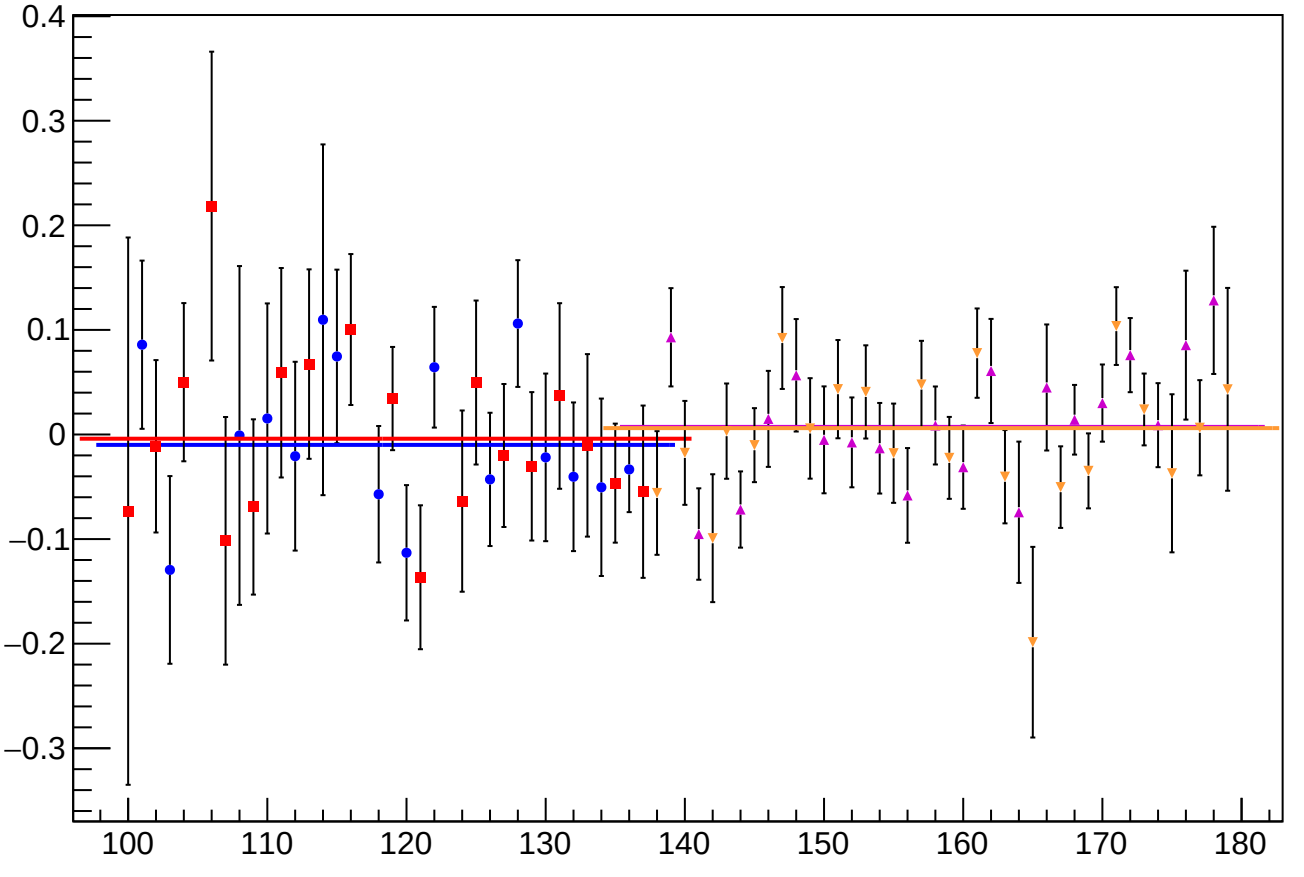
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5576653.4/35

Out: 0.003+/-0.000 χ^2/NDF:6486807.3/40

All: 0.003+/-0.000 χ^2/NDF: 12170836.9/76

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:29.2/19

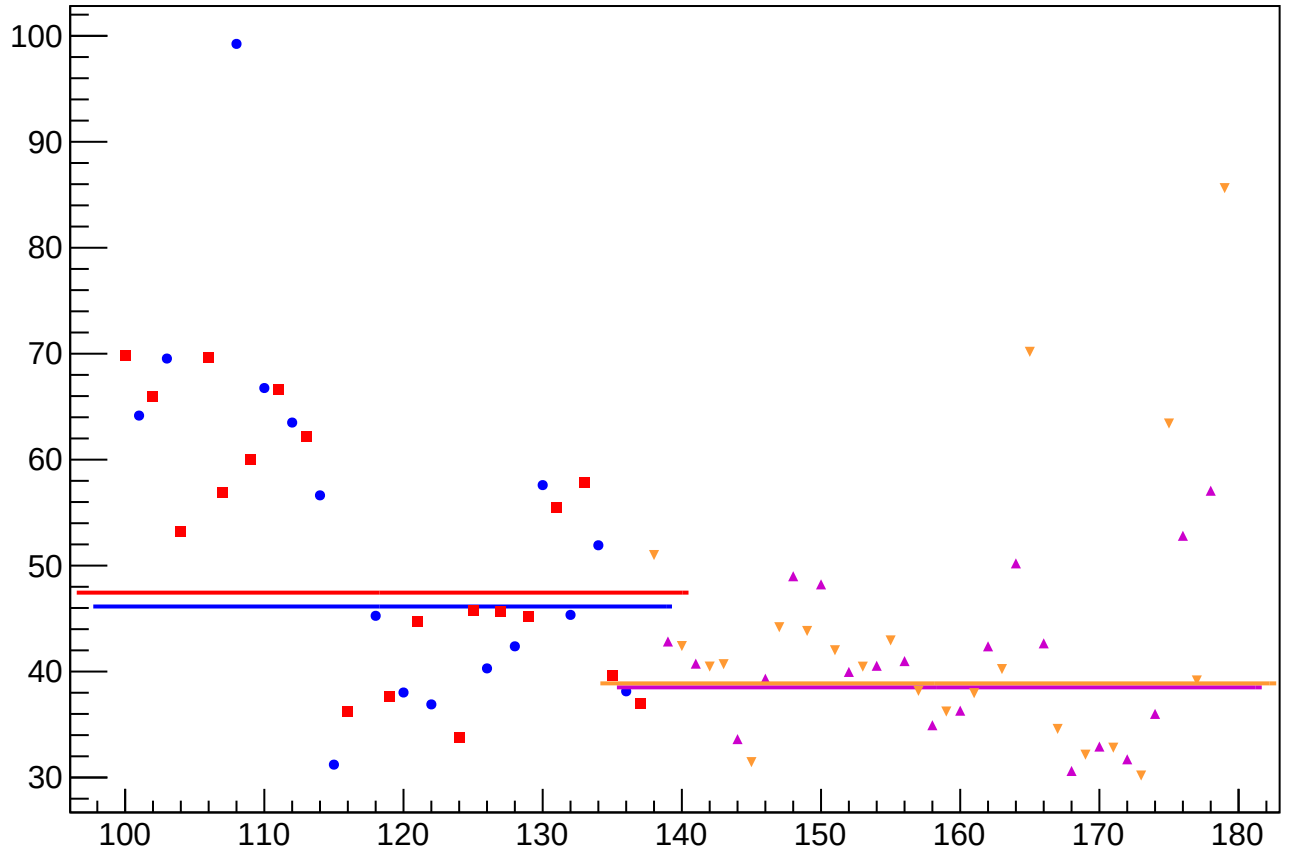
Left: 0.007+/-0.007 χ^2/NDF: 59.8/41

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 88.8/76



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457999.7/21

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

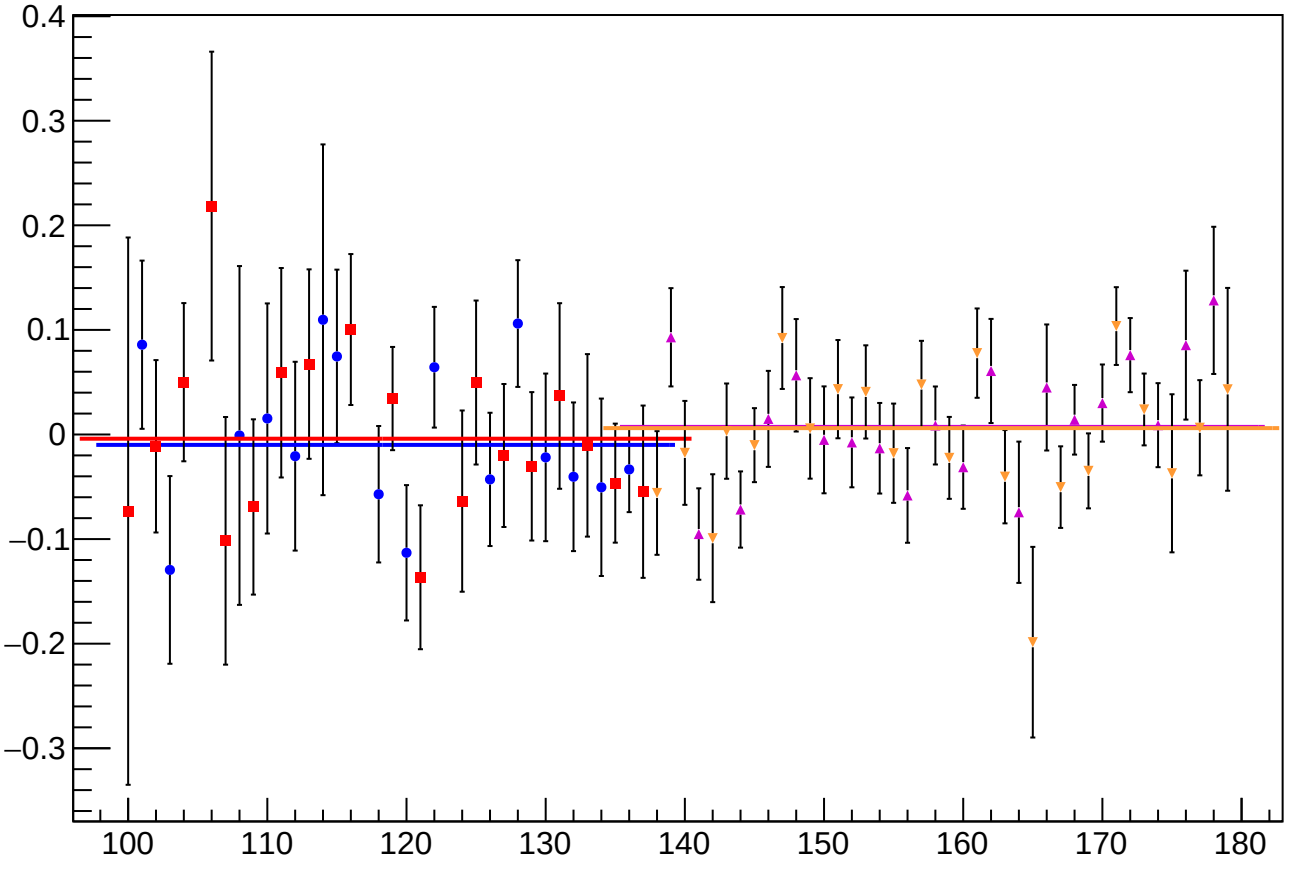
Left: 38.700+/-0.005 χ^2/NDF: 2244732.7/41

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.283+/-0.006 χ^2/NDF:1964659.5/35

Out: 40.791+/-0.006 χ^2/NDF:2461055.0/40

All: 40.541+/-0.004 χ^2/NDF: 4429201.5/76



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.6/21

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:29.2/19

Left: 0.007+/-0.007 χ^2/NDF: 59.8/41

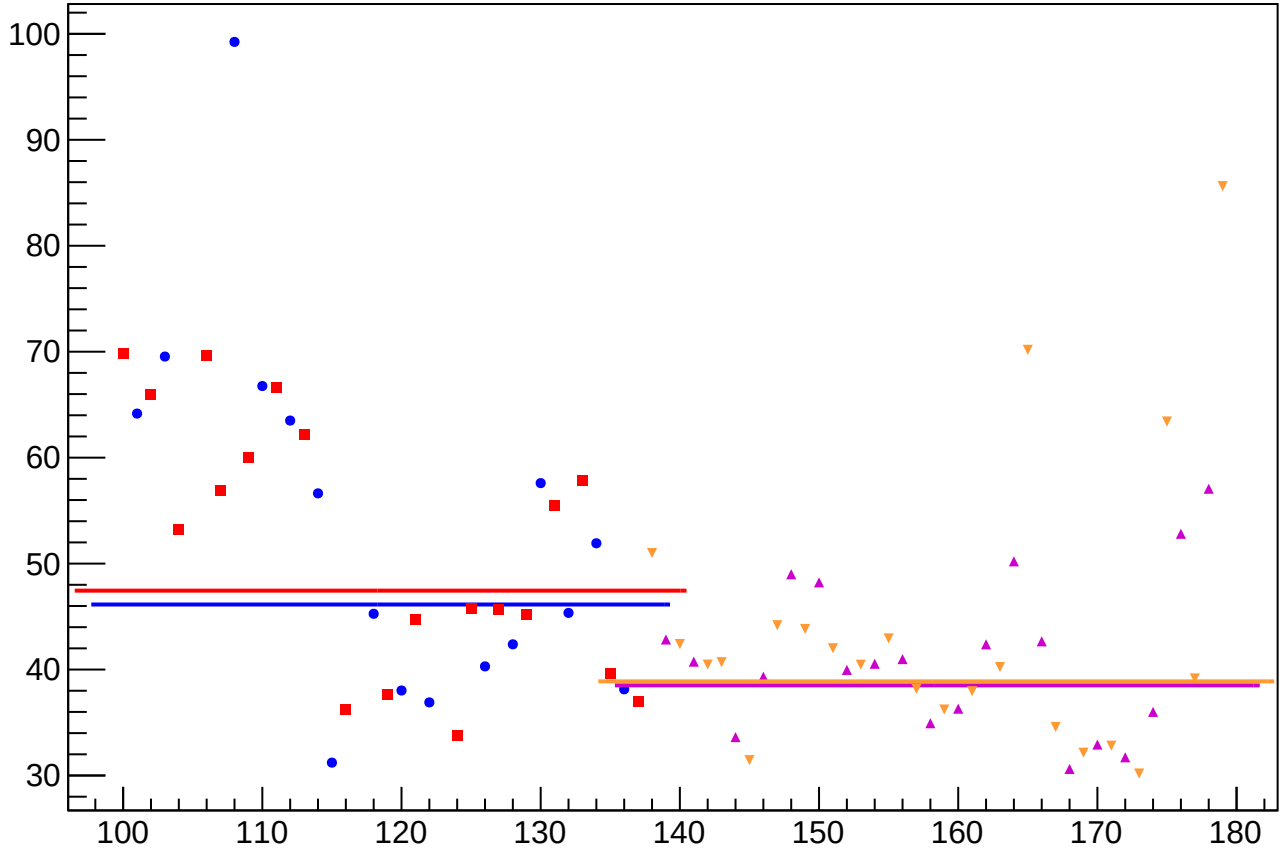
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.7/40

All: 0.004+/-0.006 χ^2/NDF: 88.8/76

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.884+/-0.007 χ^2/NDF:1457999.7/21

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

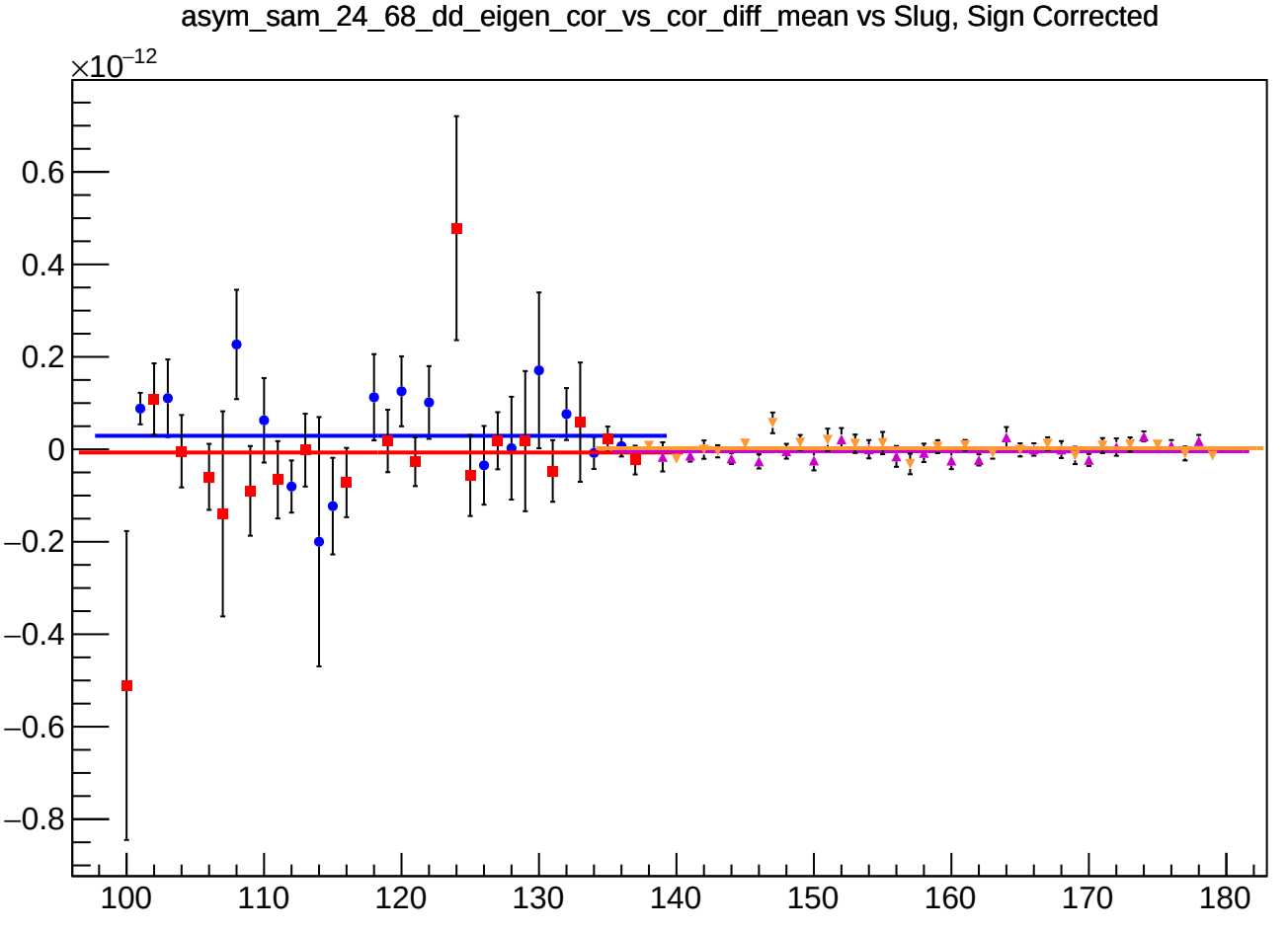
Left: 38.700+/-0.005 χ^2/NDF: 2244732.7/41

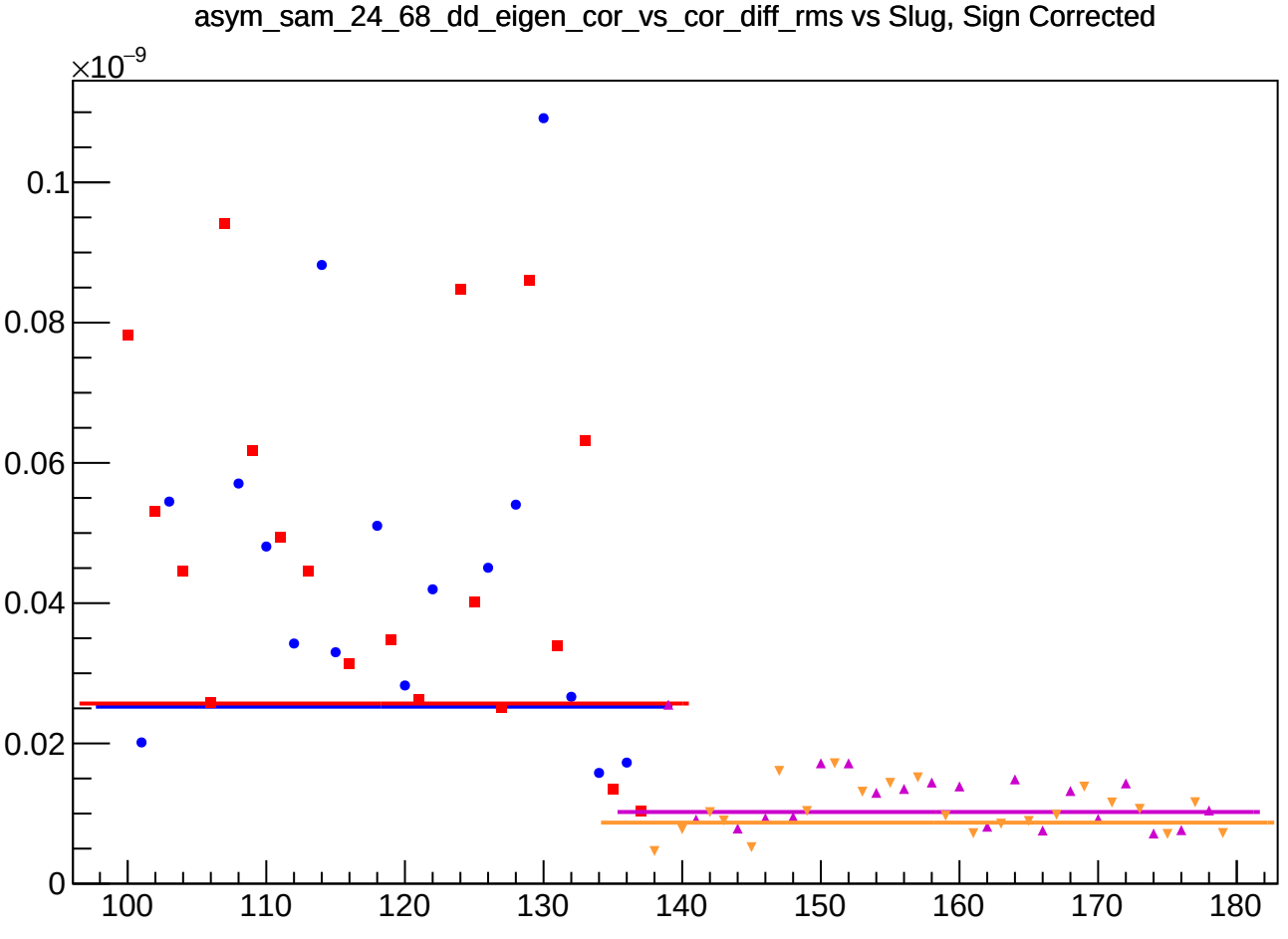
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.283+/-0.006 χ^2/NDF:1964659.5/35

Out: 40.791+/-0.006 χ^2/NDF:2461055.0/40

All: 40.541+/-0.004 χ^2/NDF: 4429201.5/76


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:22.5/21
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:27.0/19
Left: -0.000+/-0.000 χ²/NDF: 51.5/41
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:53.6/35
Out: 0.000+/-0.000 χ²/NDF:37.2/40
All: 0.000+/-0.000 χ²/NDF: 91.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1970064.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1829989.6/19

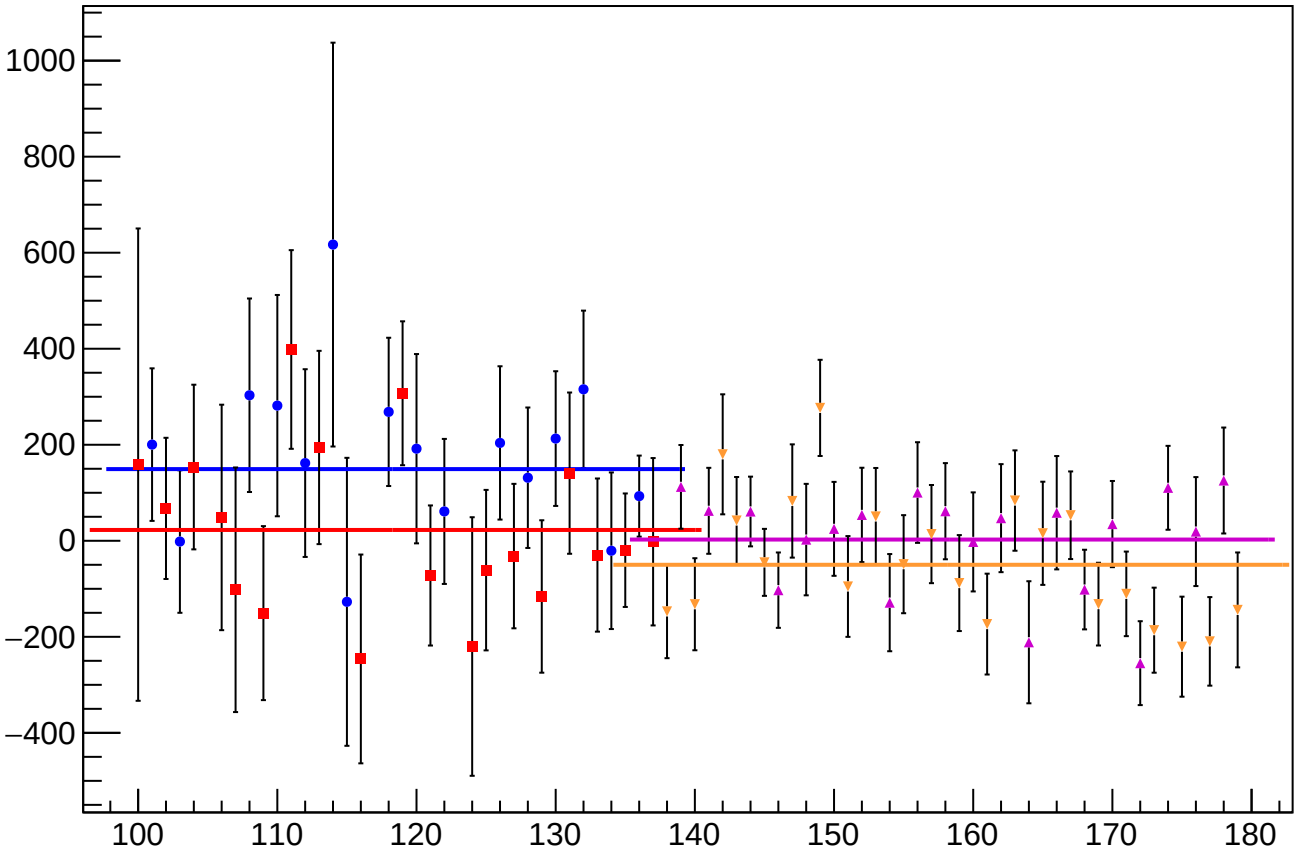
Left: 0.000+/-0.000 χ^2/NDF: 4022509.7/41

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6264237.9/35

Out: 0.000+/-0.000 χ^2/NDF:7452231.3/40

All: 0.000+/-0.000 χ^2/NDF: 14035149.2/76



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.975+/-20.773 χ^2/NDF:34.5/21

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 2.565+/-21.431 χ^2/NDF:24.1/19

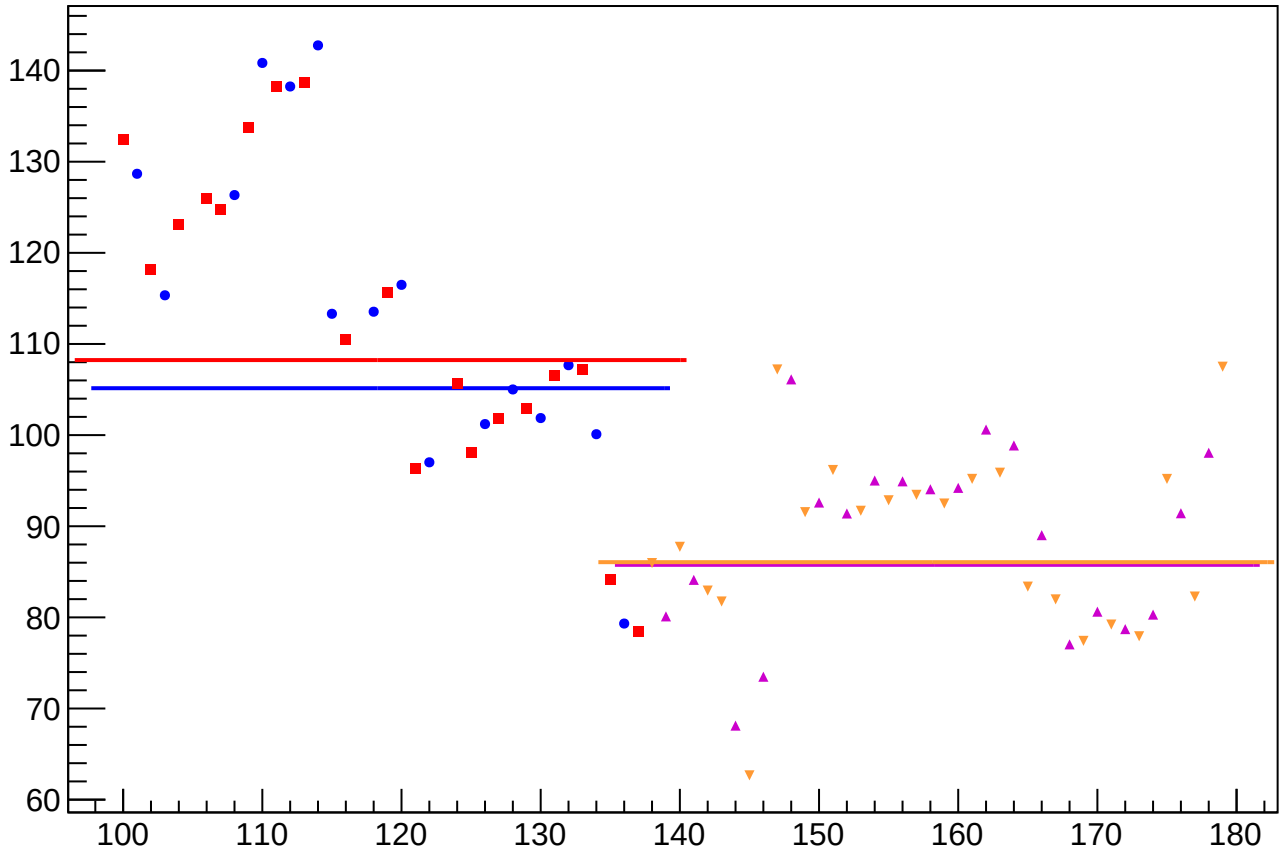
Left: -24.523+/-14.916 χ^2/NDF: 61.7/41

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 35.693+/-18.857 χ^2/NDF:42.7/35

Out: -34.630+/-18.445 χ^2/NDF:51.3/40

All: -0.245+/-13.186 χ^2/NDF: 101.1/76



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.2/19

Left: 85.916+/-0.011 χ^2/NDF: 974270.5/41

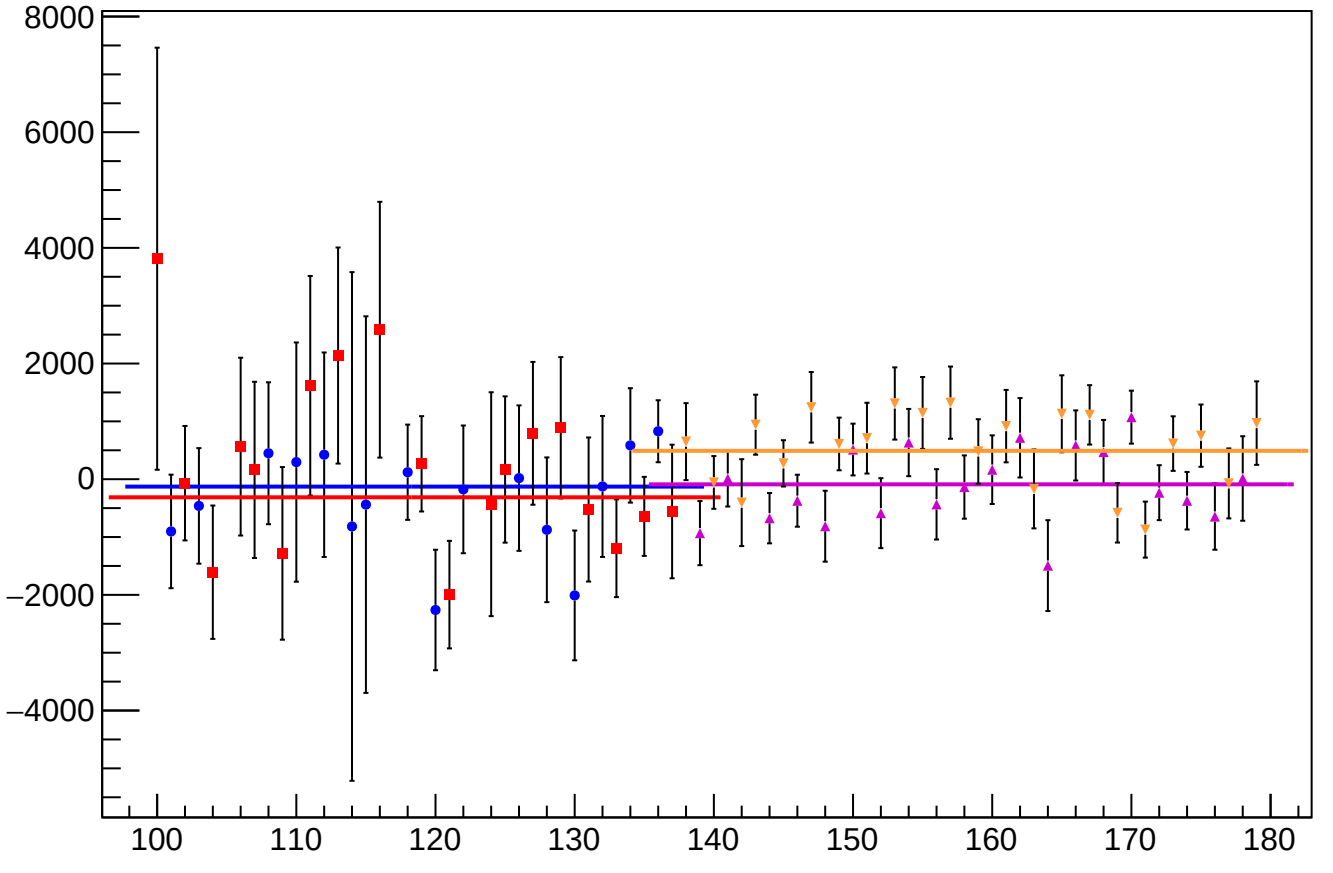
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.141+/-0.013 χ^2/NDF:1227730.4/35

Out: 90.750+/-0.013 χ^2/NDF:1356145.5/40

All: 90.452+/-0.009 χ^2/NDF: 2584941.8/76

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.442+/-118.409 χ^2/NDF:28.0/21

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -88.918+/-121.363 χ^2/NDF:25.1/19

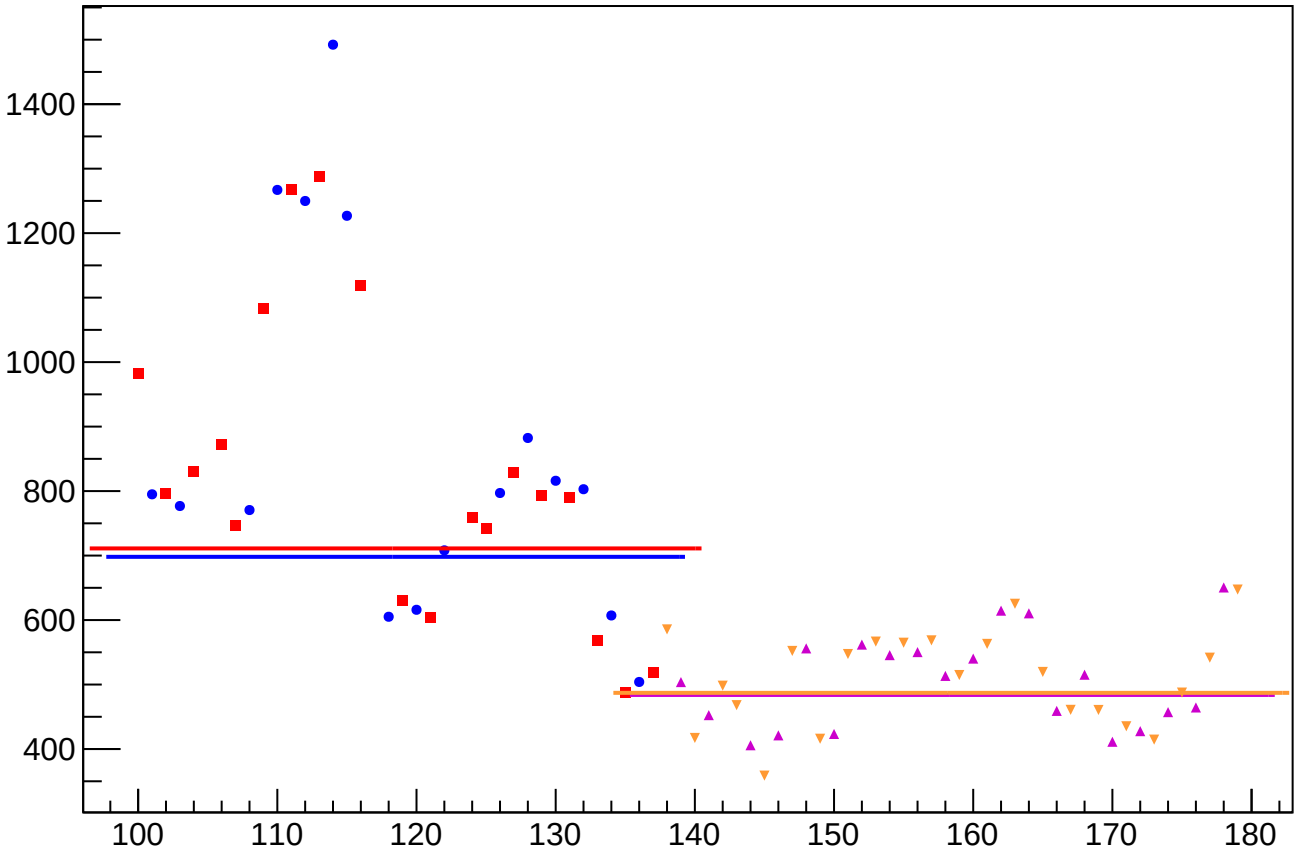
Left: 207.900+/-84.753 χ^2/NDF: 64.8/41

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -95.554+/-110.598 χ^2/NDF:37.5/35

Out: 360.944+/-108.447 χ^2/NDF:50.4/40

All: 137.178+/-77.433 χ^2/NDF: 96.5/76



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 487.140+/-0.084 χ^2/NDF:804793.2/21

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 483.869+/-0.086 χ^2/NDF:606634.6/19

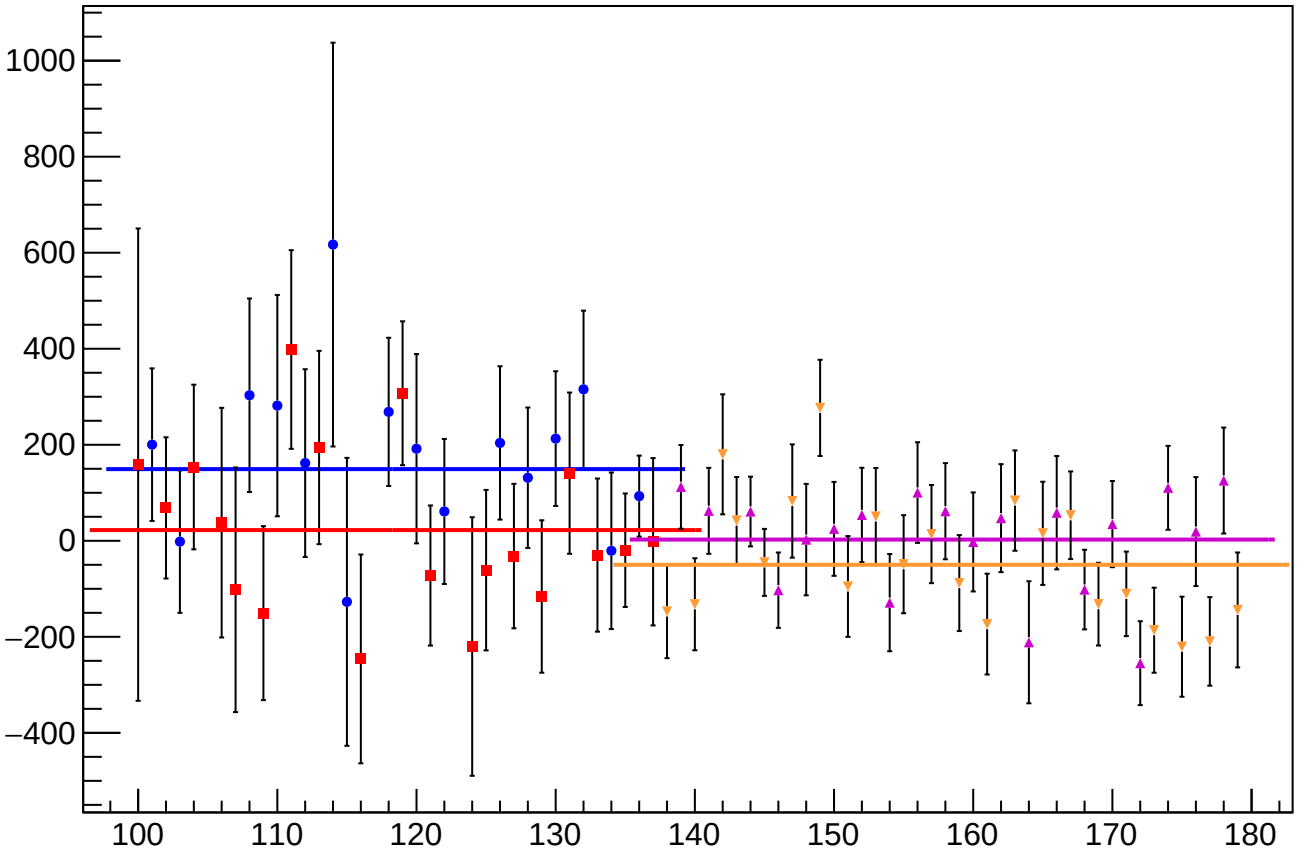
Left: 485.545+/-0.060 χ^2/NDF: 1412172.2/41

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 520.180+/-0.078 χ^2/NDF:2575537.1/35

Out: 523.234+/-0.077 χ^2/NDF:2992957.3/40

All: 521.737+/-0.055 χ^2/NDF: 5569271.9/76



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -49.979+/-20.773 χ^2/NDF:34.5/21

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 2.564+/-21.431 χ^2/NDF:24.1/19

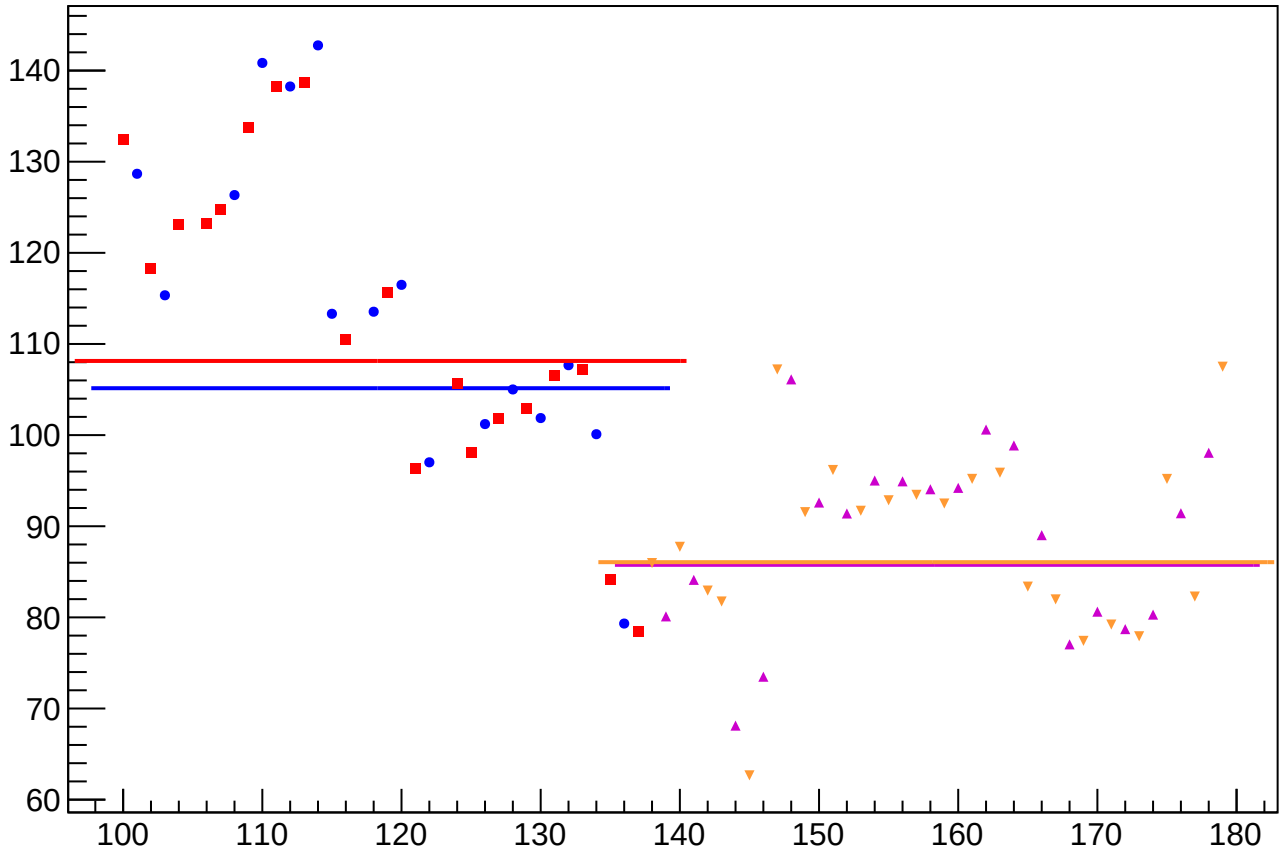
Left: -24.526+/-14.916 χ^2/NDF: 61.7/41

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 35.690+/-18.857 χ^2/NDF:42.7/35

Out: -34.700+/-18.447 χ^2/NDF:51.3/40

All: -0.278+/-13.187 χ^2/NDF: 101.1/76



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.3/19

Left: 85.916+/-0.011 χ^2/NDF: 974270.5/41

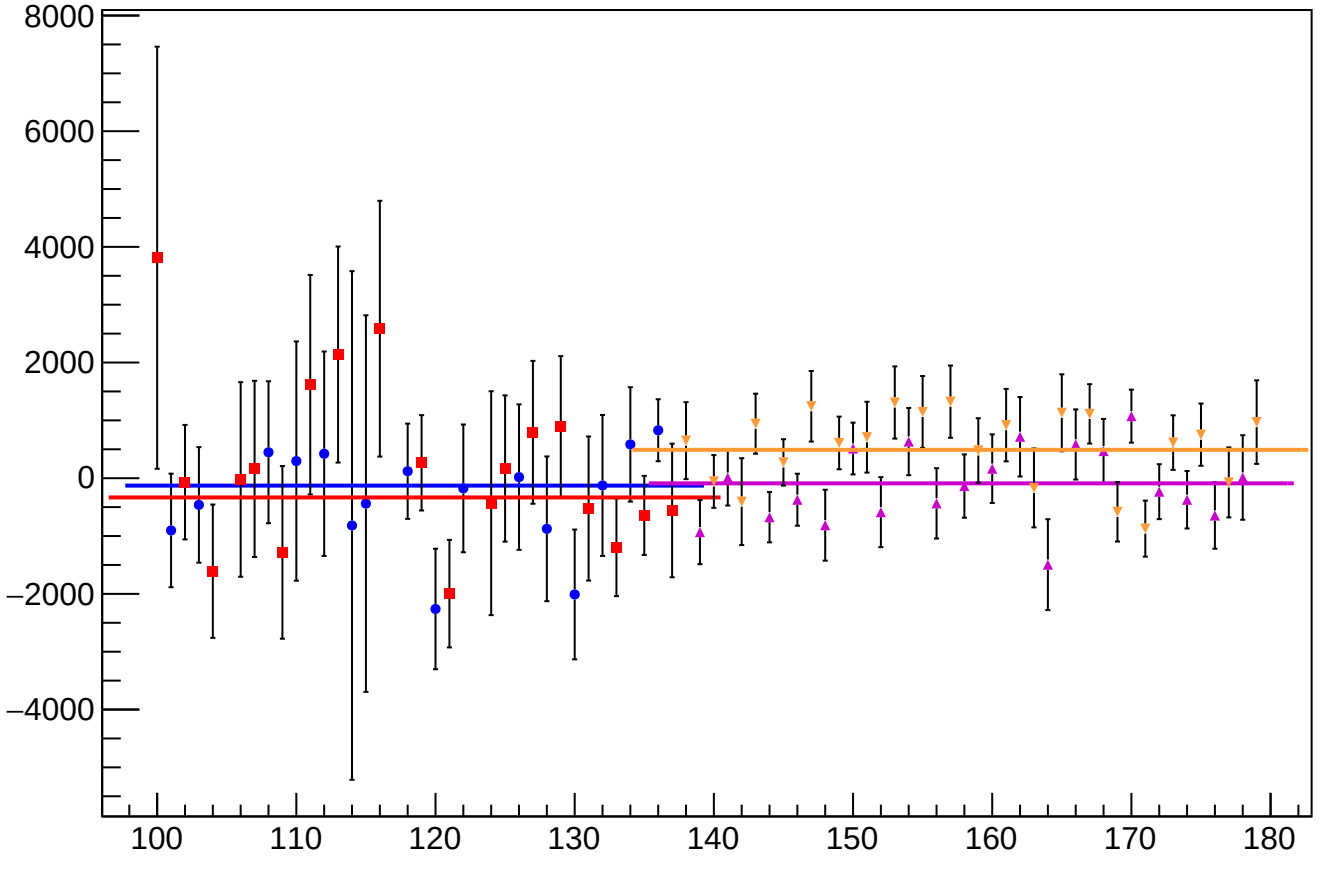
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.141+/-0.013 χ^2/NDF:1227730.8/35

Out: 90.725+/-0.013 χ^2/NDF:1347933.6/40

All: 90.440+/-0.009 χ^2/NDF: 2576646.3/76

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.440+/-118.409 χ^2/NDF:28.0/21

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -88.919+/-121.363 χ^2/NDF:25.1/19

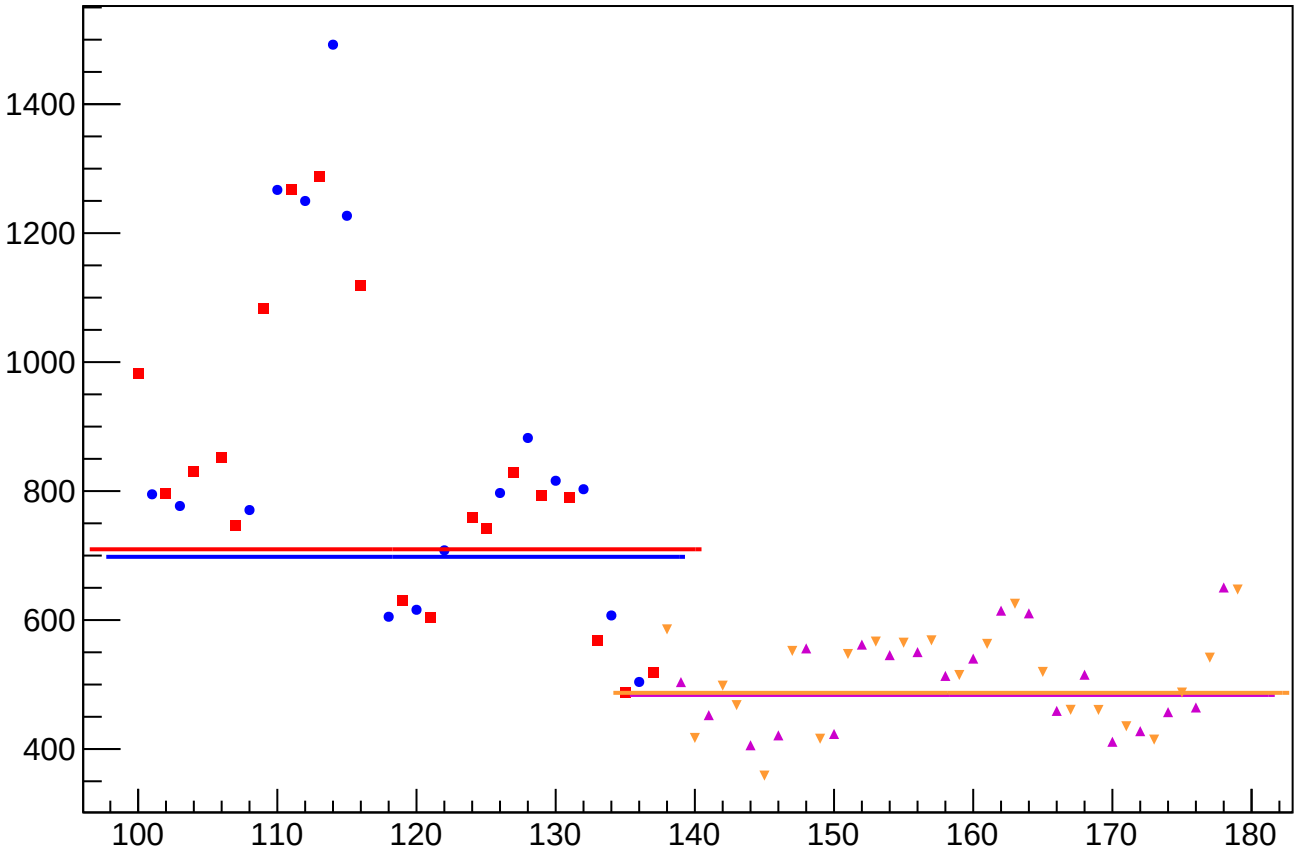
Left: 207.899+/-84.753 χ^2/NDF: 64.8/41

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -95.552+/-110.598 χ^2/NDF:37.5/35

Out: 358.357+/-108.493 χ^2/NDF:50.4/40

All: 135.764+/-77.450 χ^2/NDF: 96.5/76



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 483.869+/-0.086 χ^2/NDF:606638.5/19

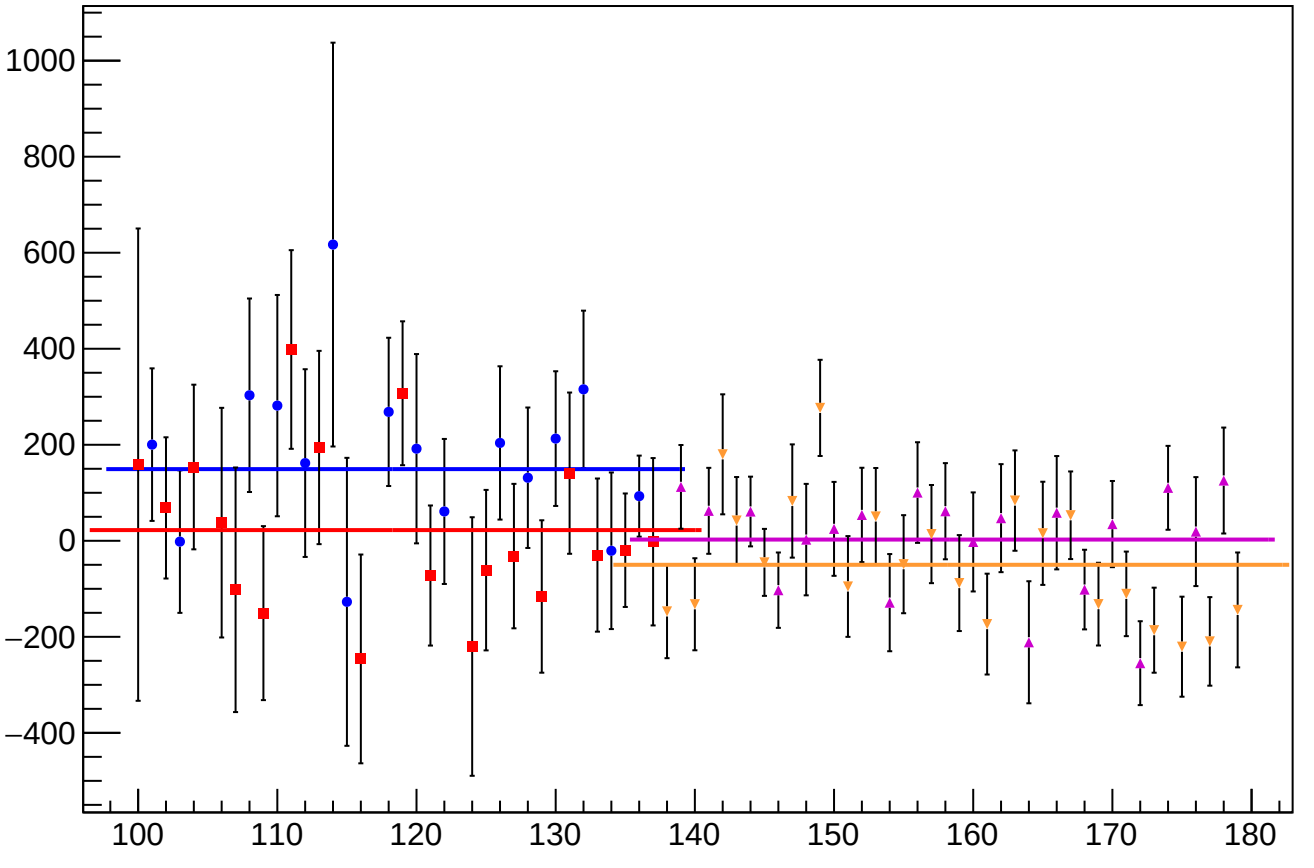
Left: 485.545+/-0.060 χ^2/NDF: 1412173.1/41

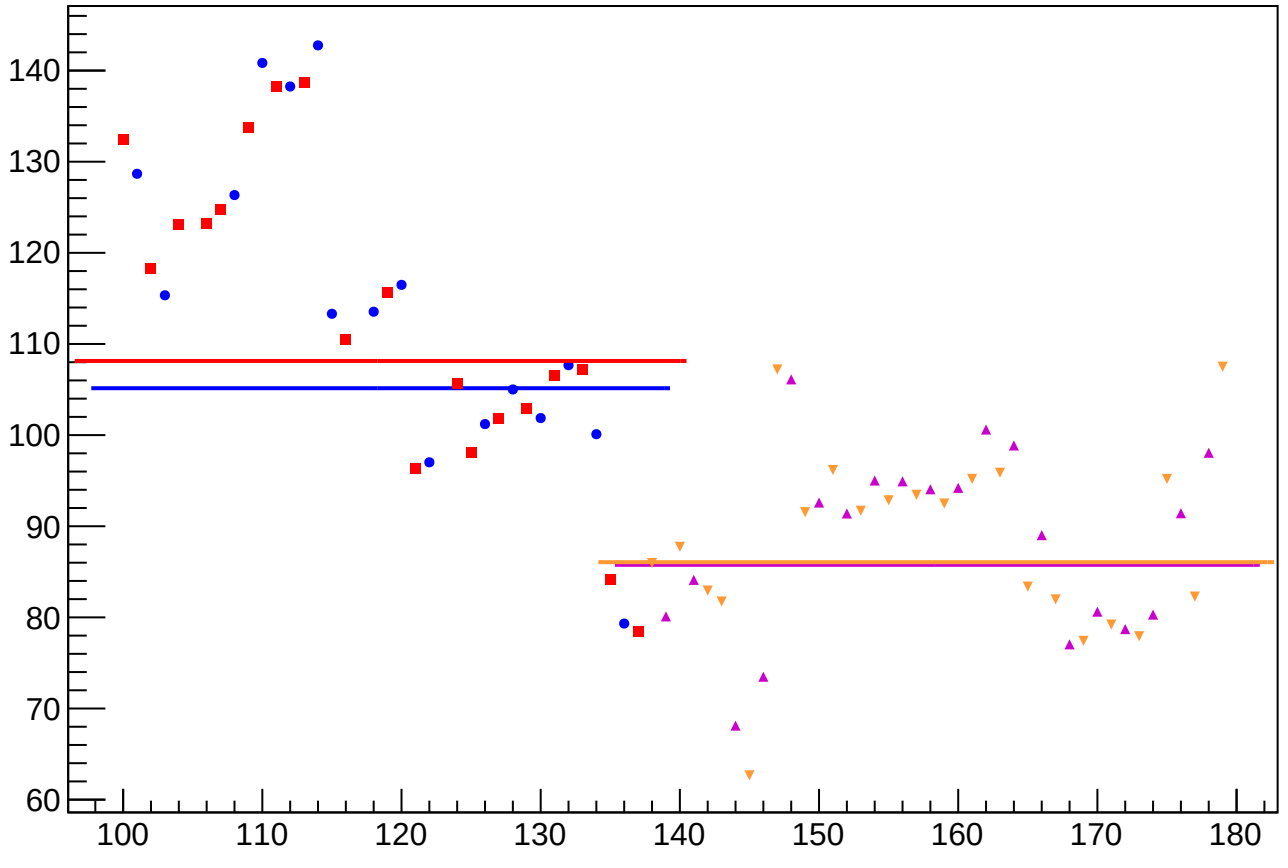
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.180+/-0.078 χ^2/NDF:2575554.3/35

Out: 522.862+/-0.077 χ^2/NDF:2966228.9/40

All: 521.547+/-0.055 χ^2/NDF: 5542382.4/76


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -49.979+/-20.773 χ²/NDF:34.5/21
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 2.564+/-21.431 χ²/NDF:24.1/19
Left: -24.526+/-14.916 χ²/NDF: 61.7/41
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 35.690+/-18.857 χ²/NDF:42.7/35
Out: -34.700+/-18.447 χ²/NDF:51.3/40
All: -0.278+/-13.187 χ²/NDF: 101.1/76



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.058+/-0.015 χ^2/NDF:524031.9/21

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.765+/-0.015 χ^2/NDF:450046.3/19

Left: 85.916+/-0.011 χ^2/NDF: 974270.5/41

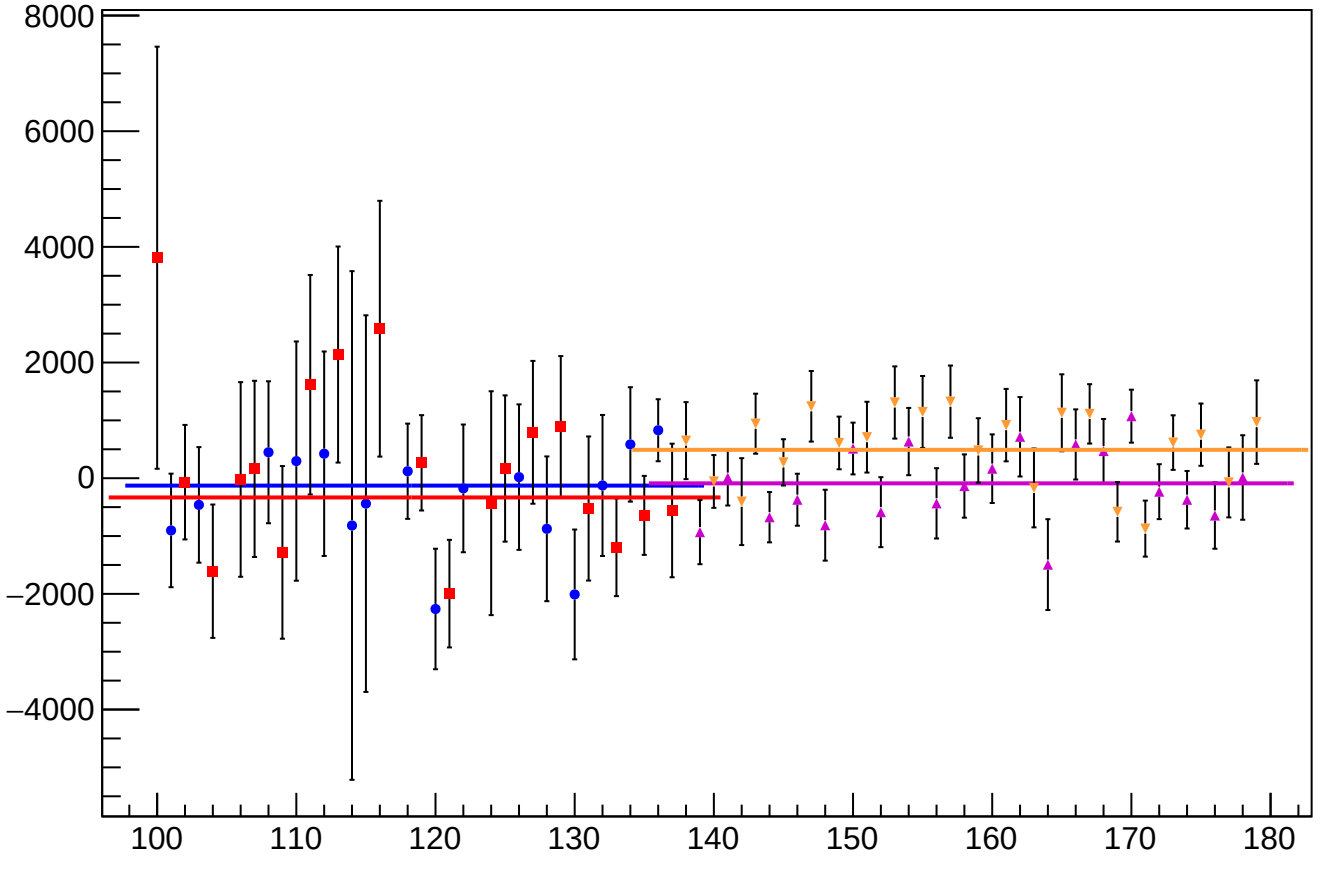
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.141+/-0.013 χ^2/NDF:1227730.8/35

Out: 90.725+/-0.013 χ^2/NDF:1347933.6/40

All: 90.440+/-0.009 χ^2/NDF: 2576646.3/76

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 490.440+/-118.409 χ^2/NDF:28.0/21

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -88.919+/-121.363 χ^2/NDF:25.1/19

Left: 207.899+/-84.753 χ^2/NDF: 64.8/41

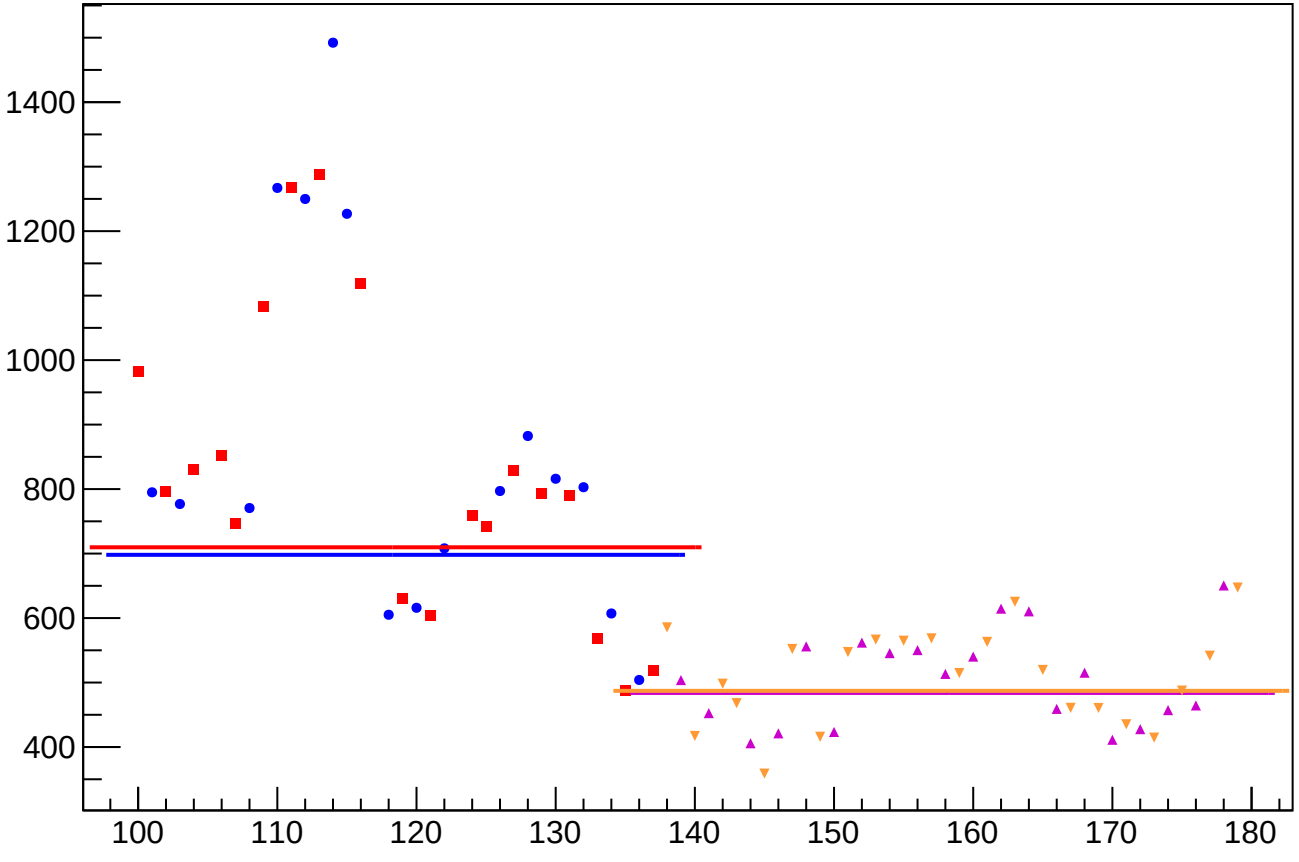
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -95.552+/-110.598 χ^2/NDF:37.5/35

Out: 358.357+/-108.493 χ^2/NDF:50.4/40

All: 135.764+/-77.450 χ^2/NDF: 96.5/76

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 487.140+/-0.084 χ^2/NDF:804790.2/21

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 483.869+/-0.086 χ^2/NDF:606638.5/19

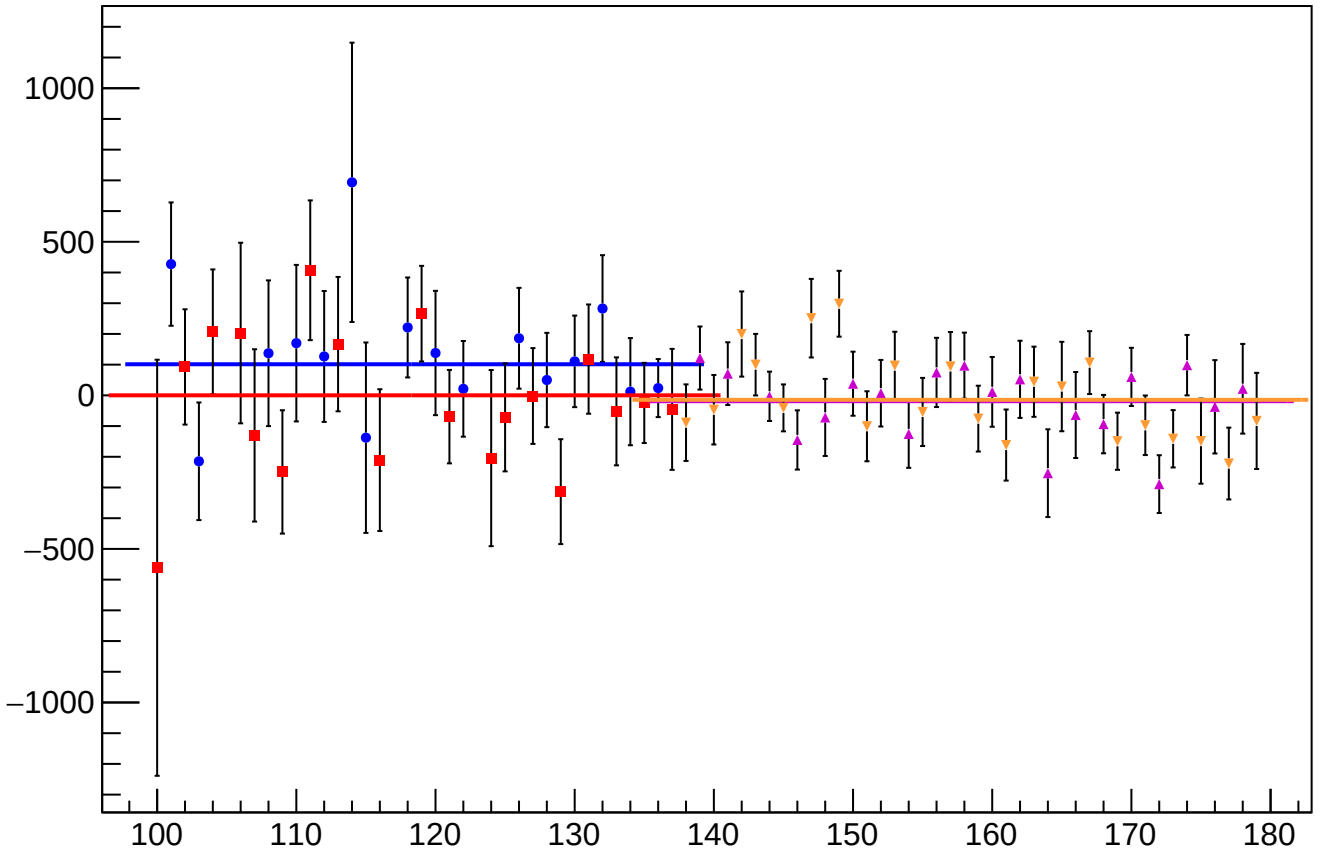
Left: 485.545+/-0.060 χ^2/NDF: 1412173.1/41

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.180+/-0.078 χ^2/NDF:2575554.3/35

Out: 522.862+/-0.077 χ^2/NDF:2966228.9/40

All: 521.547+/-0.055 χ^2/NDF: 5542382.4/76



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -14.517+/-23.460 χ^2/NDF:32.4/21

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -19.062+/-24.181 χ^2/NDF:21.9/19

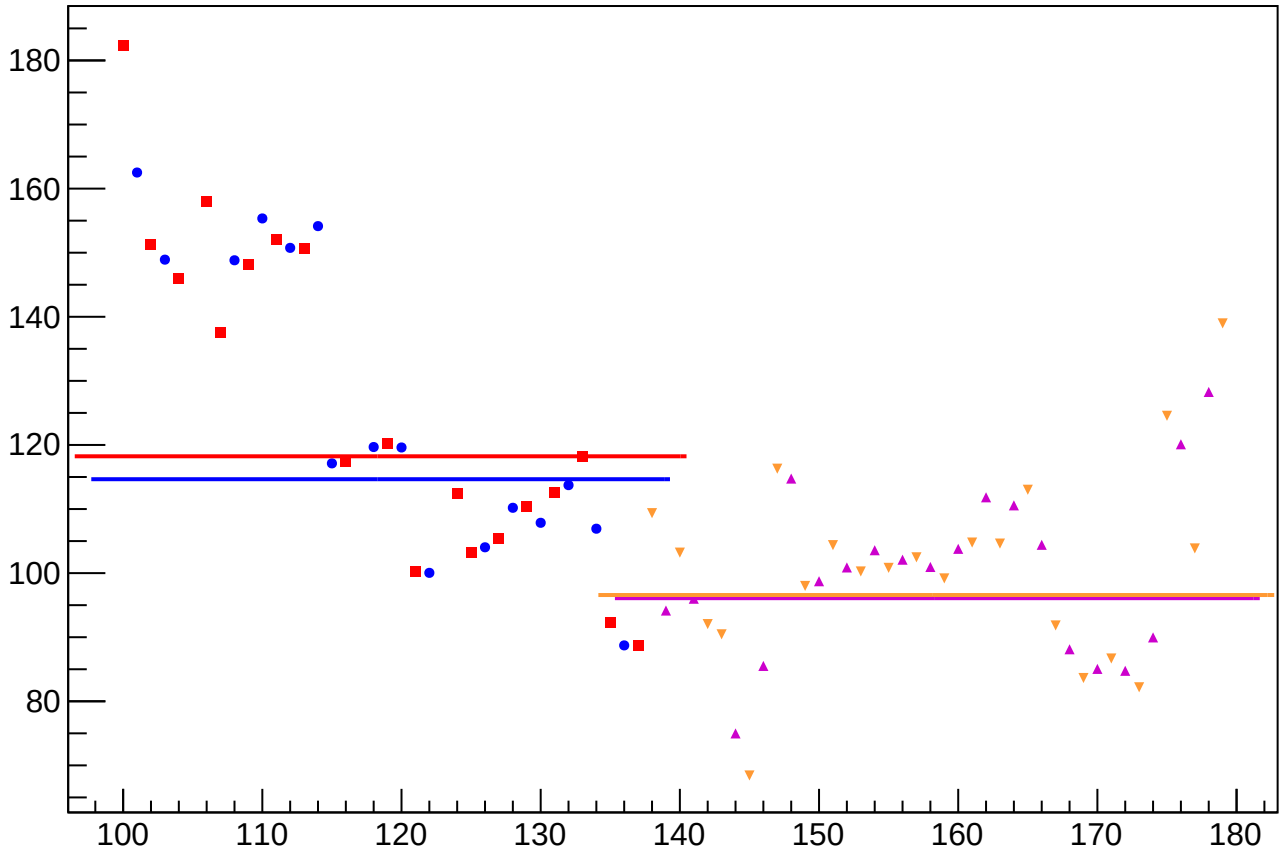
Left: -16.721+/-16.838 χ^2/NDF: 54.4/41

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 9.337+/-21.136 χ^2/NDF:38.8/35

Out: -11.280+/-20.705 χ^2/NDF:49.1/40

All: -1.184+/-14.791 χ^2/NDF: 88.4/76



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.583+/-0.017 χ^2/NDF:770711.2/21

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.092+/-0.017 χ^2/NDF:524384.7/19

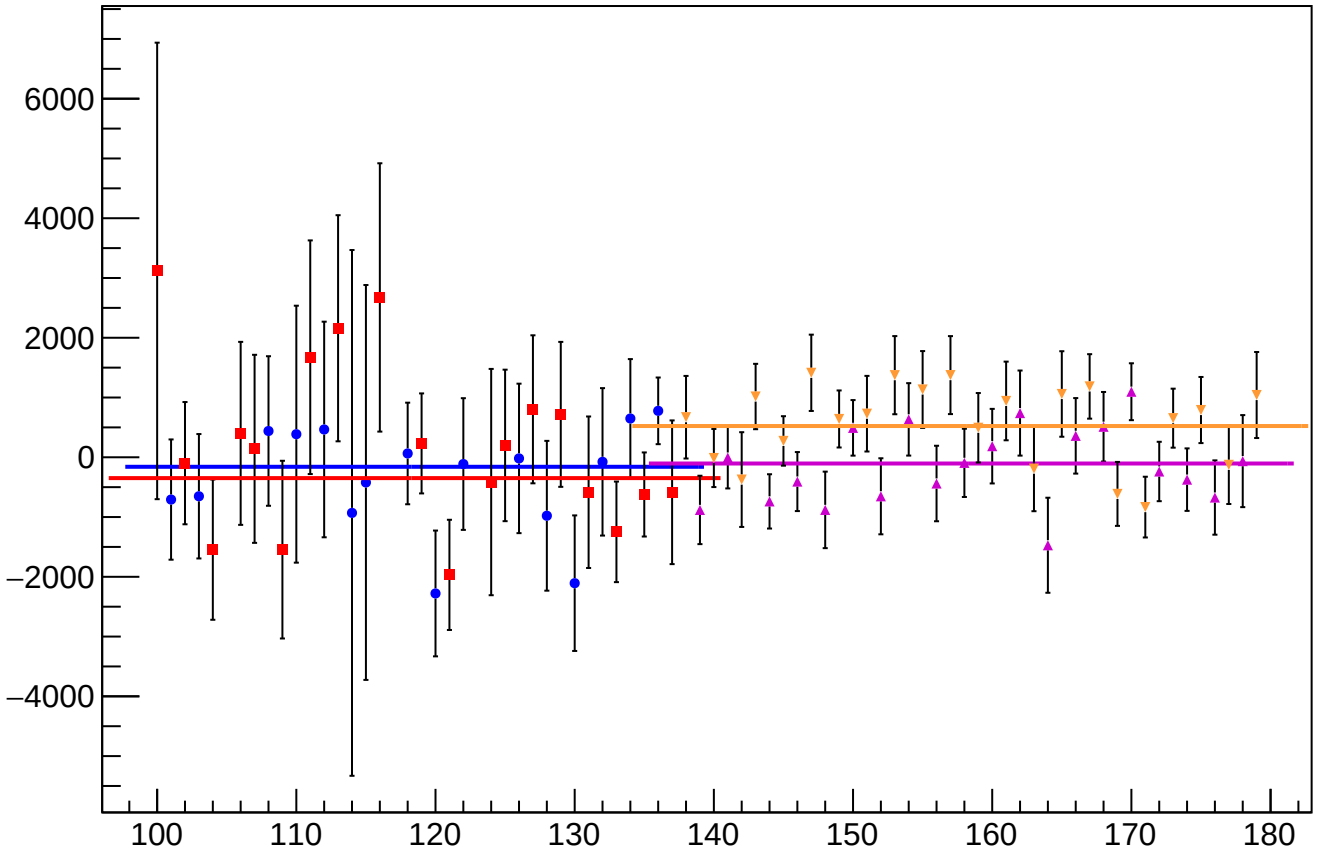
Left: 96.345+/-0.012 χ^2/NDF: 1295520.2/41

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 100.473+/-0.015 χ^2/NDF:1334476.2/35

Out: 101.369+/-0.015 χ^2/NDF:1630601.4/40

All: 100.930+/-0.010 χ^2/NDF: 2966912.2/76



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 522.779+/-123.860 χ^2/NDF:27.1/21

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -104.187+/-127.449 χ^2/NDF:23.6/19

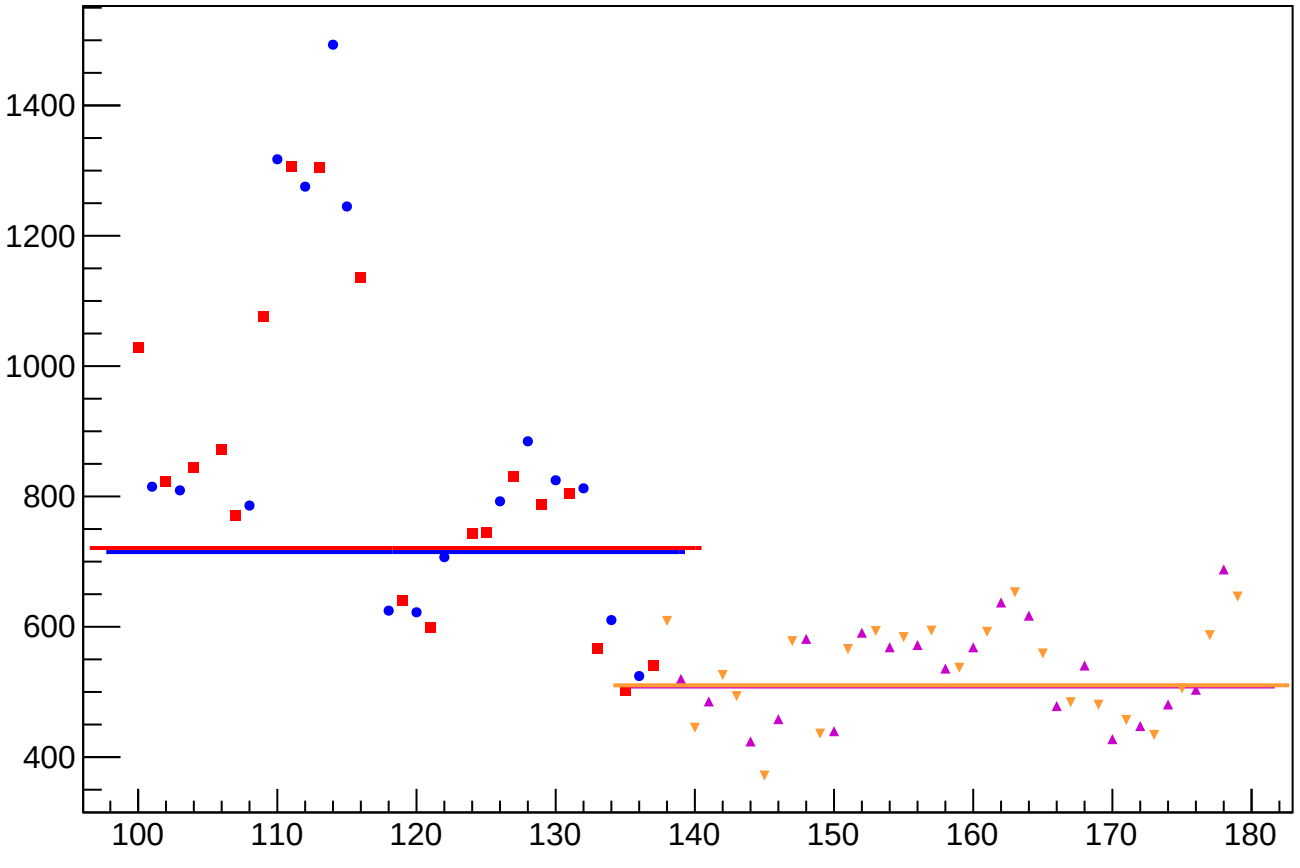
Left: 218.248+/-88.824 χ^2/NDF: 63.1/41

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -113.924+/-115.601 χ^2/NDF:35.6/35

Out: 374.579+/-112.836 χ^2/NDF:49.8/40

All: 136.241+/-80.747 χ^2/NDF: 94.5/76



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 510.200+/-0.088 χ^2/NDF:786709.1/21

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 508.342+/-0.090 χ^2/NDF:576371.7/19

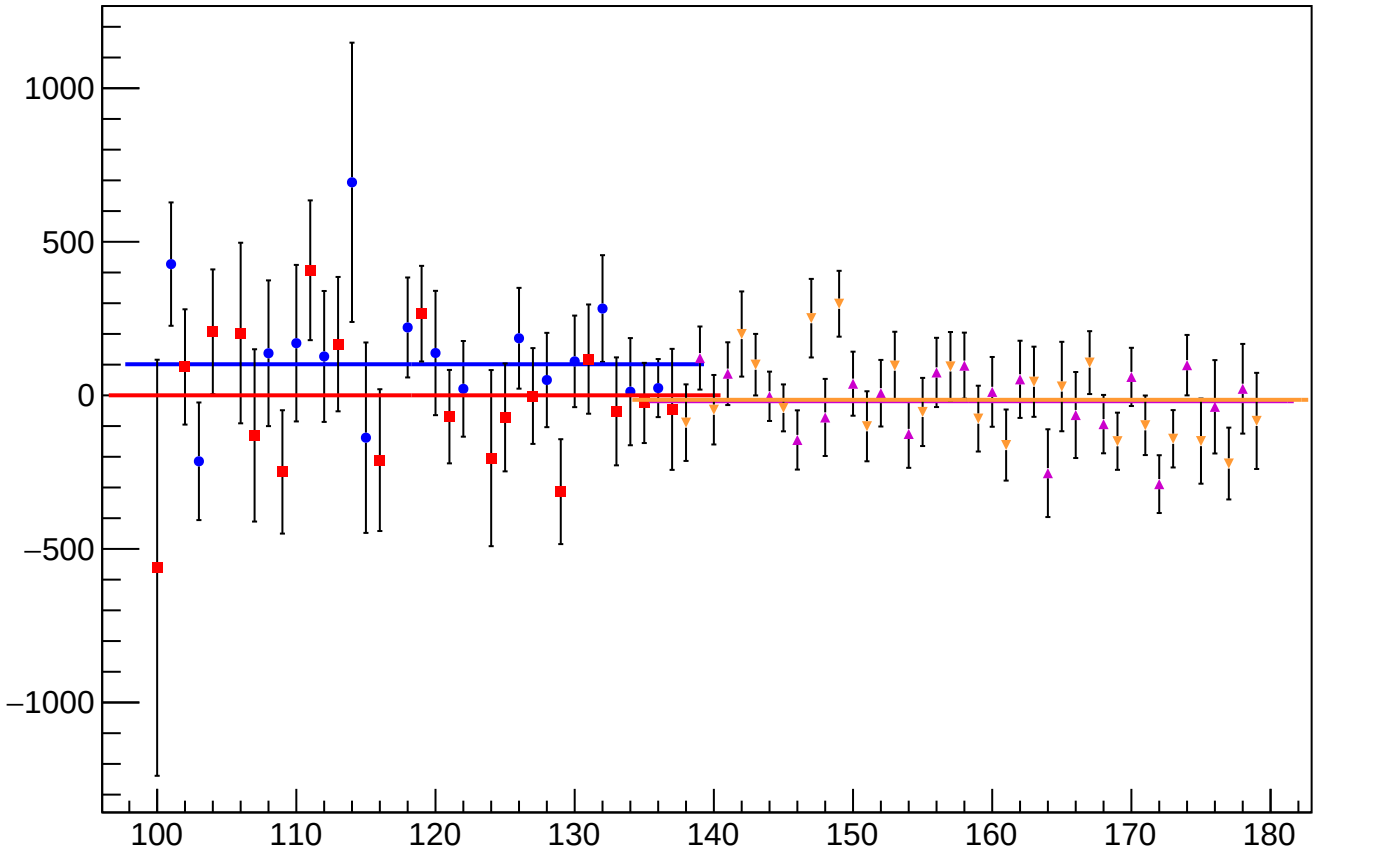
Left: 509.298+/-0.063 χ^2/NDF: 1363299.4/41

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 544.919+/-0.082 χ^2/NDF:2381802.1/35

Out: 546.036+/-0.080 χ^2/NDF:2789401.1/40

All: 545.491+/-0.057 χ^2/NDF: 5171298.7/76



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -14.519+/-23.460 χ^2/NDF:32.4/21

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -19.062+/-24.181 χ^2/NDF:21.9/19

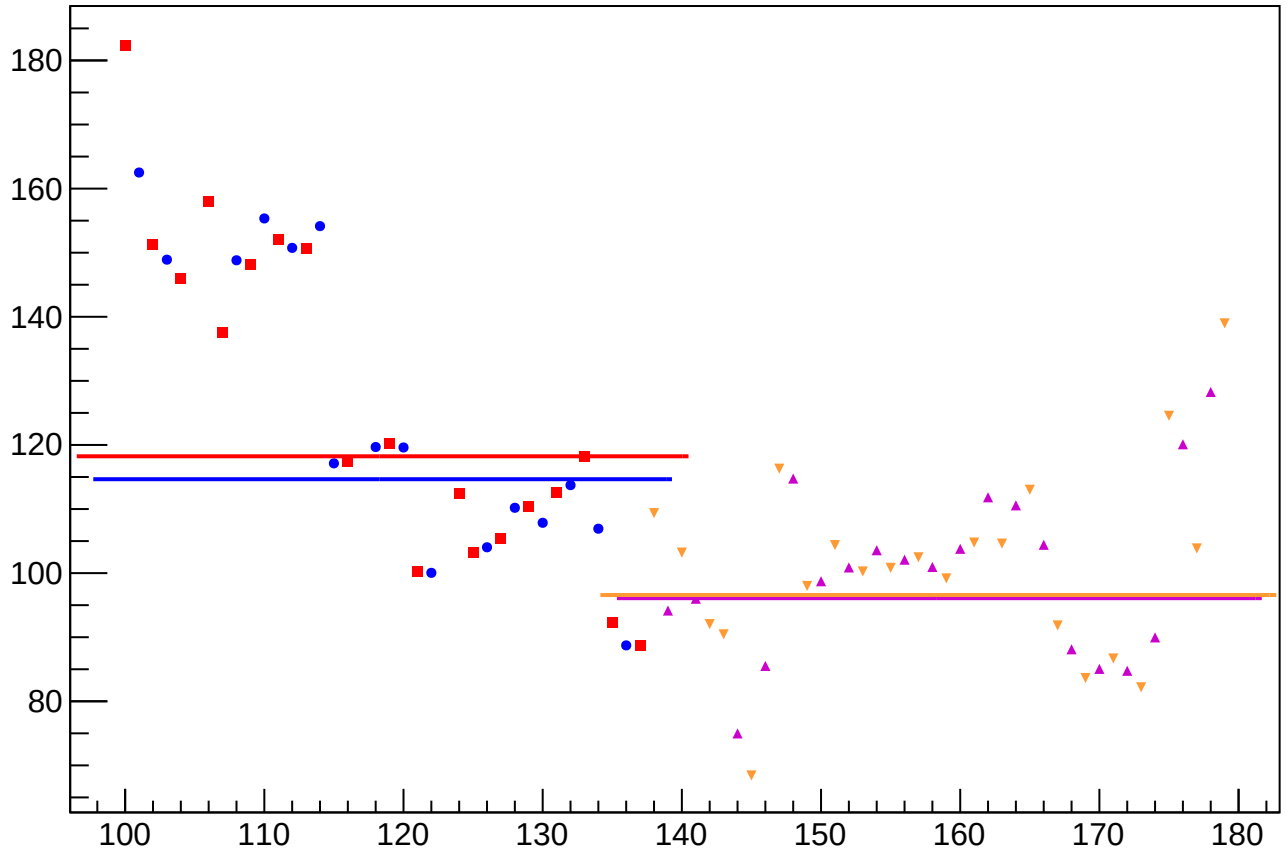
Left: -16.722+/-16.838 χ^2/NDF: 54.4/41

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 9.337+/-21.136 χ^2/NDF:38.8/35

Out: -11.282+/-20.705 χ^2/NDF:49.1/40

All: -1.185+/-14.791 χ^2/NDF: 88.4/76



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.583+/-0.017 χ^2/NDF:770716.9/21

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.092+/-0.017 χ^2/NDF:524378.0/19

Left: 96.345+/-0.012 χ^2/NDF: 1295519.0/41

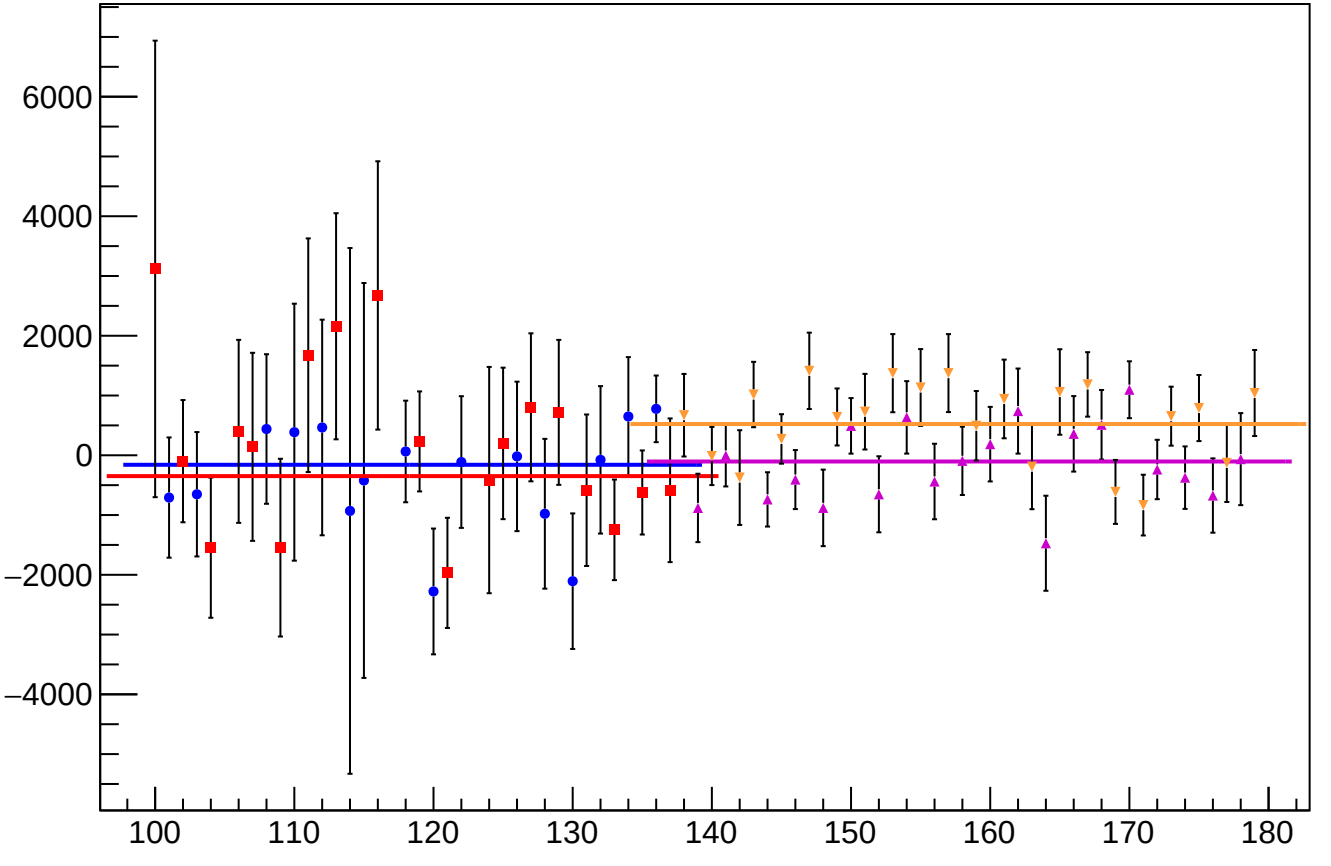
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 100.473+/-0.015 χ^2/NDF:1334460.9/35

Out: 101.369+/-0.015 χ^2/NDF:1630602.0/40

All: 100.930+/-0.010 χ^2/NDF: 2966897.2/76

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 522.777+/-123.860 χ^2/NDF:27.1/21

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -104.187+/-127.449 χ^2/NDF:23.6/19

Left: 218.248+/-88.824 χ^2/NDF: 63.1/41

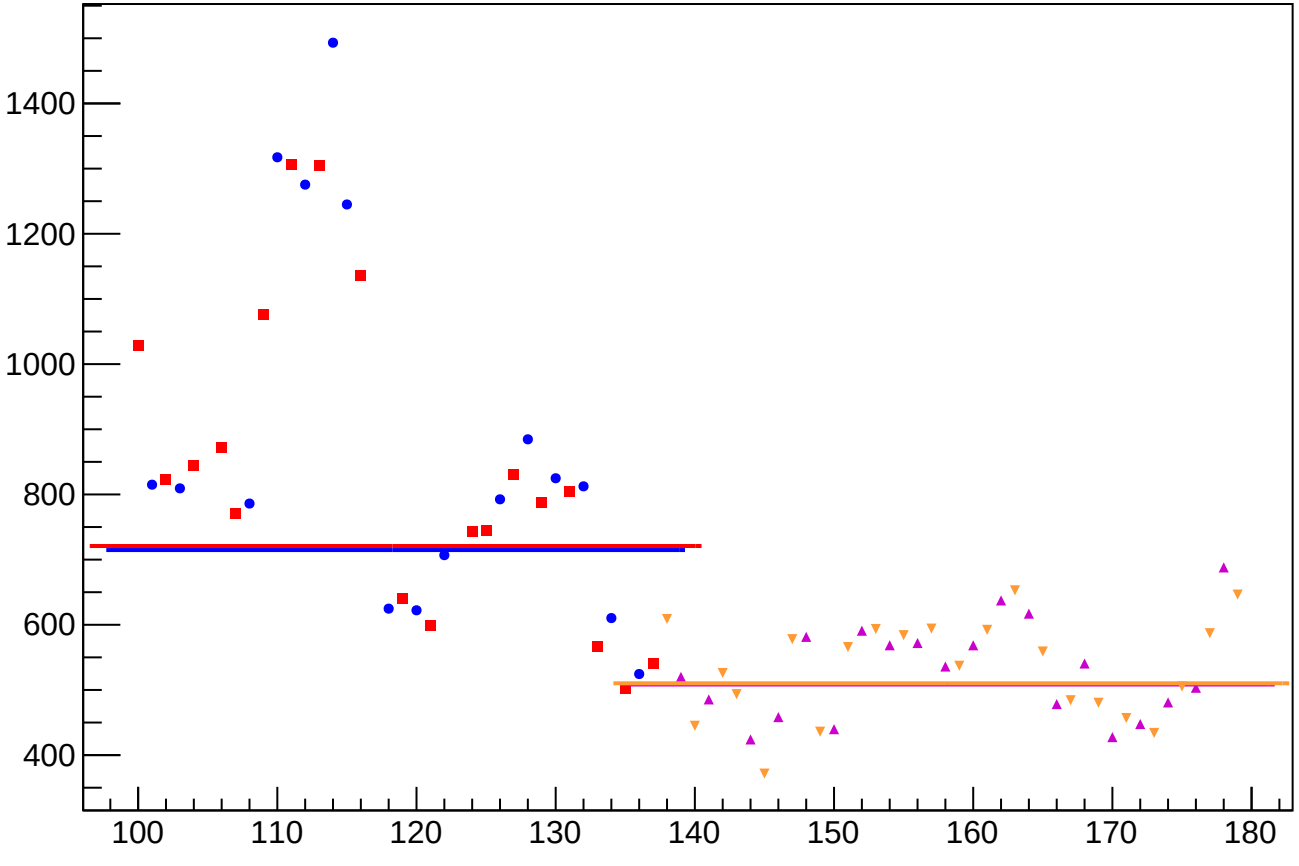
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -113.924+/-115.601 χ^2/NDF:35.6/35

Out: 374.577+/-112.836 χ^2/NDF:49.8/40

All: 136.240+/-80.747 χ^2/NDF: 94.5/76

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 510.200+/-0.088 χ^2/NDF:786709.0/21

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 508.342+/-0.090 χ^2/NDF:576370.0/19

Left: 509.298+/-0.063 χ^2/NDF: 1363297.7/41

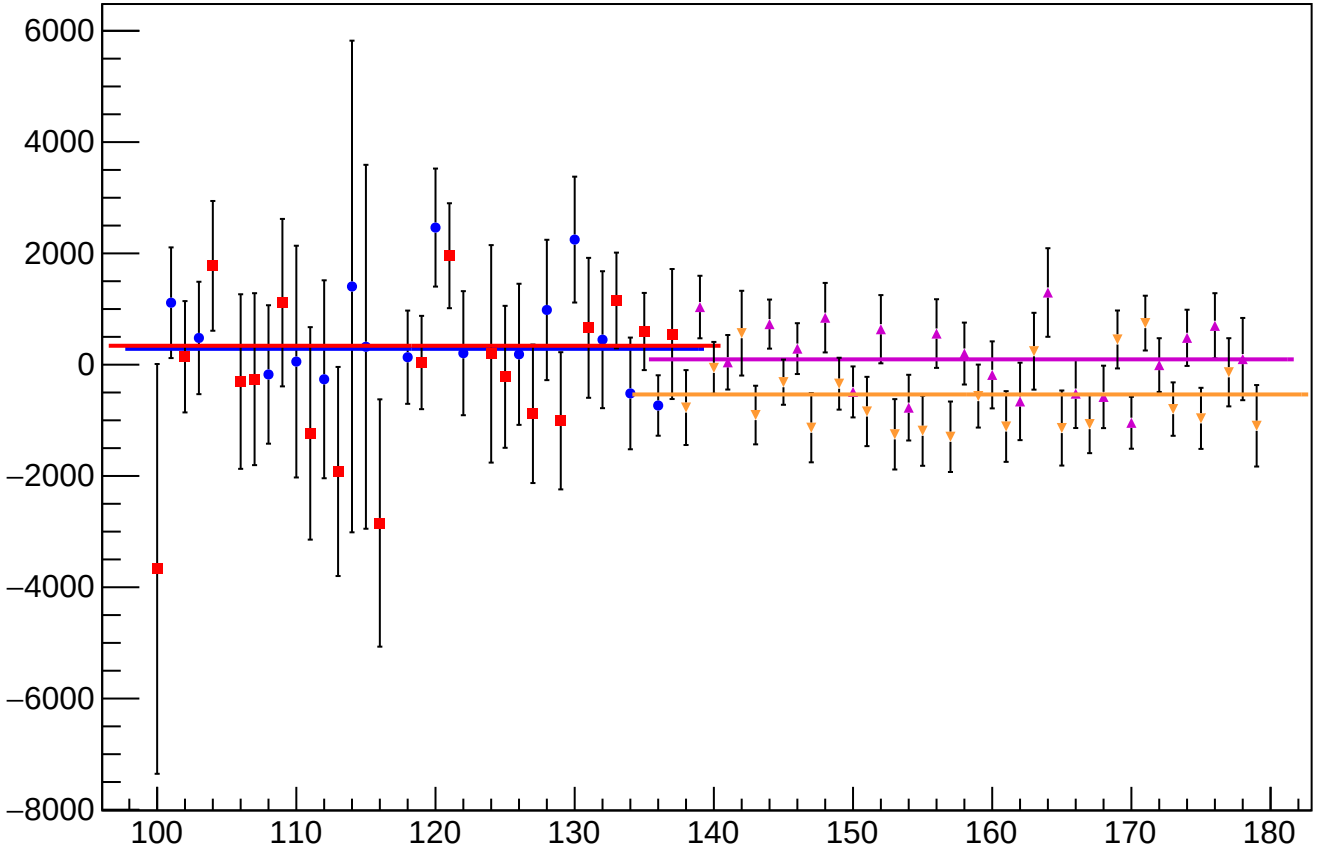
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 544.919+/-0.082 χ^2/NDF:2381796.3/35

Out: 546.035+/-0.080 χ^2/NDF:2789395.2/40

All: 545.491+/-0.057 χ^2/NDF: 5171287.0/76

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -534.894+/-120.349 χ^2/NDF:25.4/21

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 95.715+/-123.359 χ^2/NDF:25.4/19

Left: -227.377+/-86.144 χ^2/NDF: 64.3/41

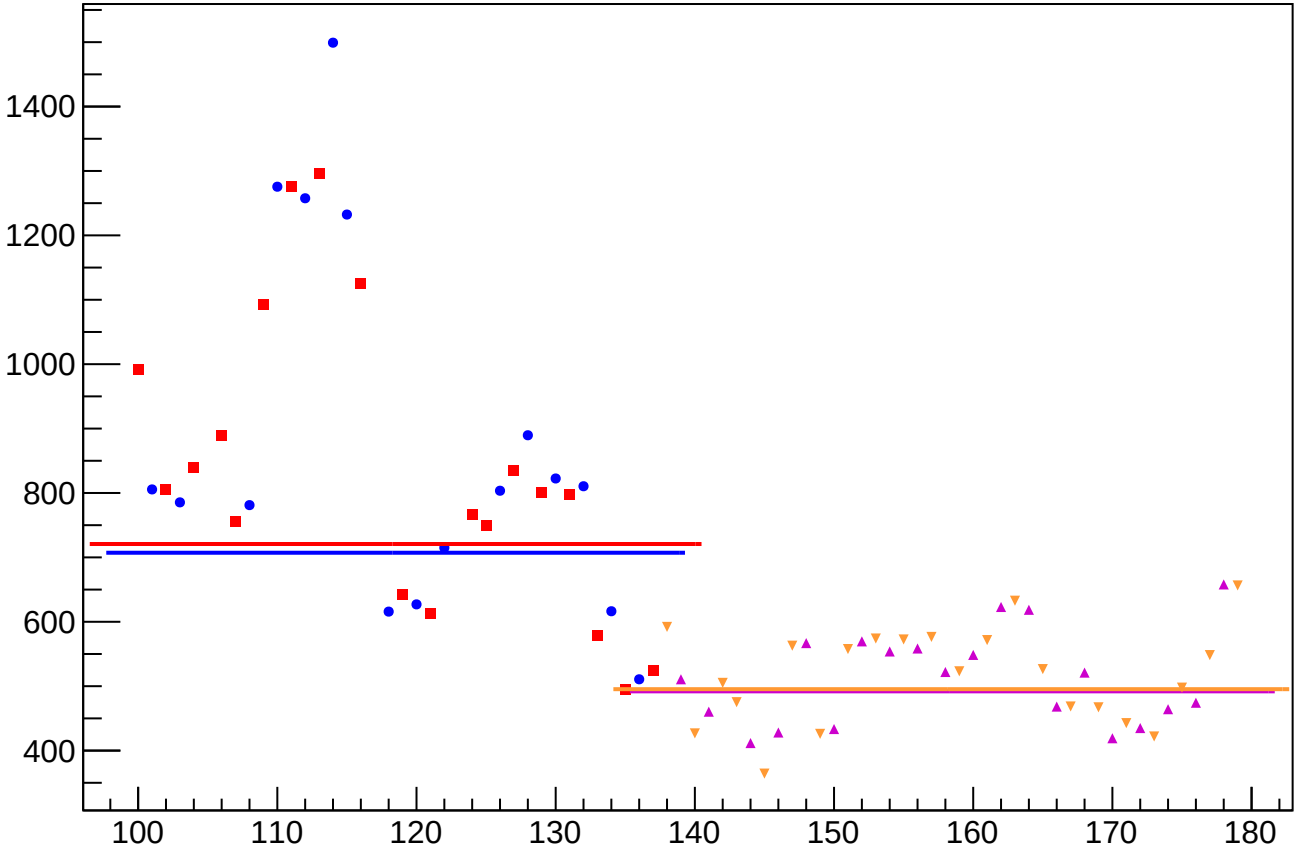
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 127.980+/-112.341 χ^2/NDF:38.6/35

Out: -393.055+/-110.163 χ^2/NDF:48.1/40

All: -137.639+/-78.656 χ^2/NDF: 97.7/76

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 495.362+/-0.085 χ^2/NDF:787555.5/21

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 491.995+/-0.087 χ^2/NDF:593264.3/19

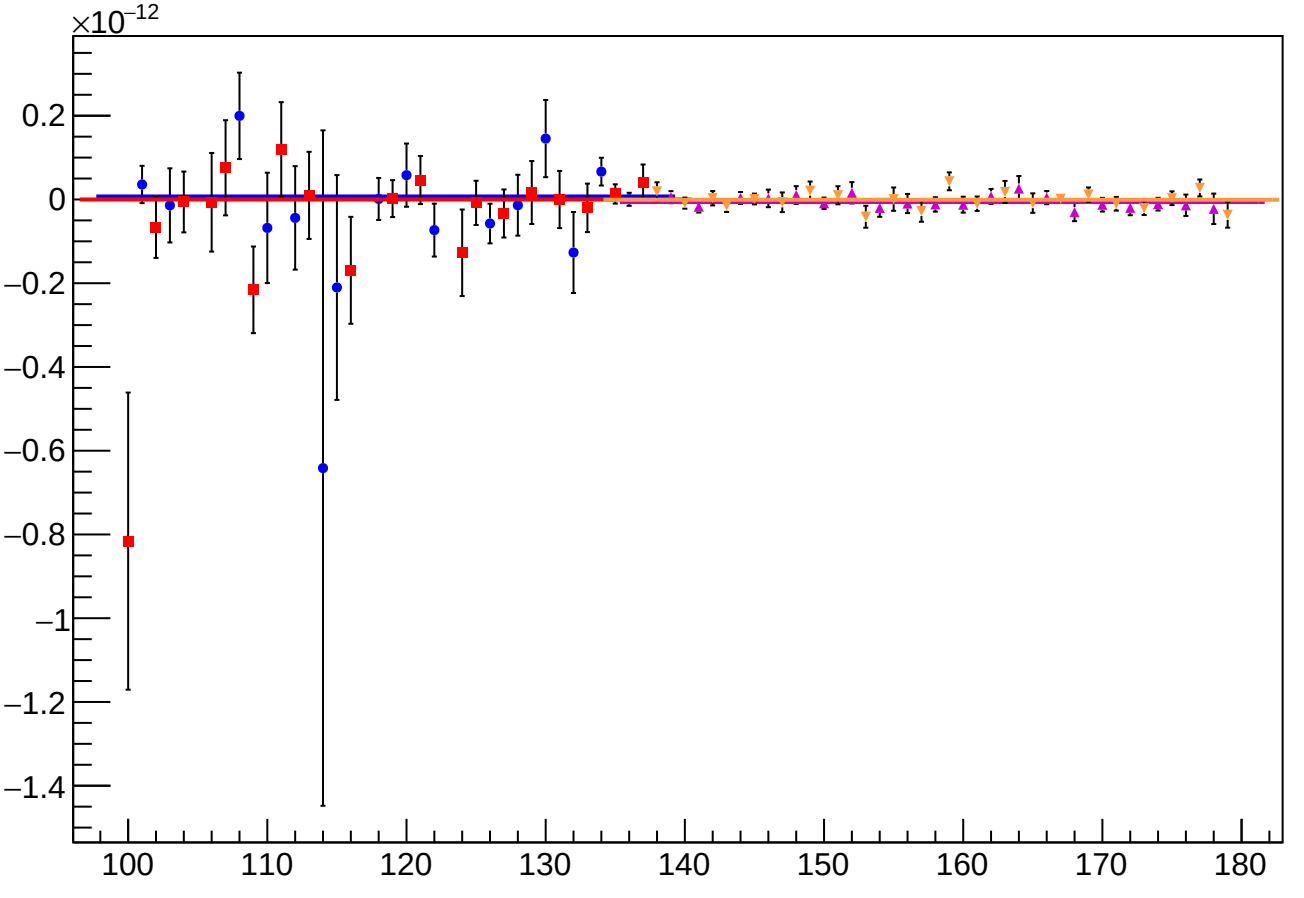
Left: 493.720+/-0.061 χ^2/NDF: 1381583.0/41

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 528.723+/-0.079 χ^2/NDF:2528791.6/35

Out: 531.906+/-0.078 χ^2/NDF:2940315.7/40

All: 530.345+/-0.056 χ^2/NDF: 5469926.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/19

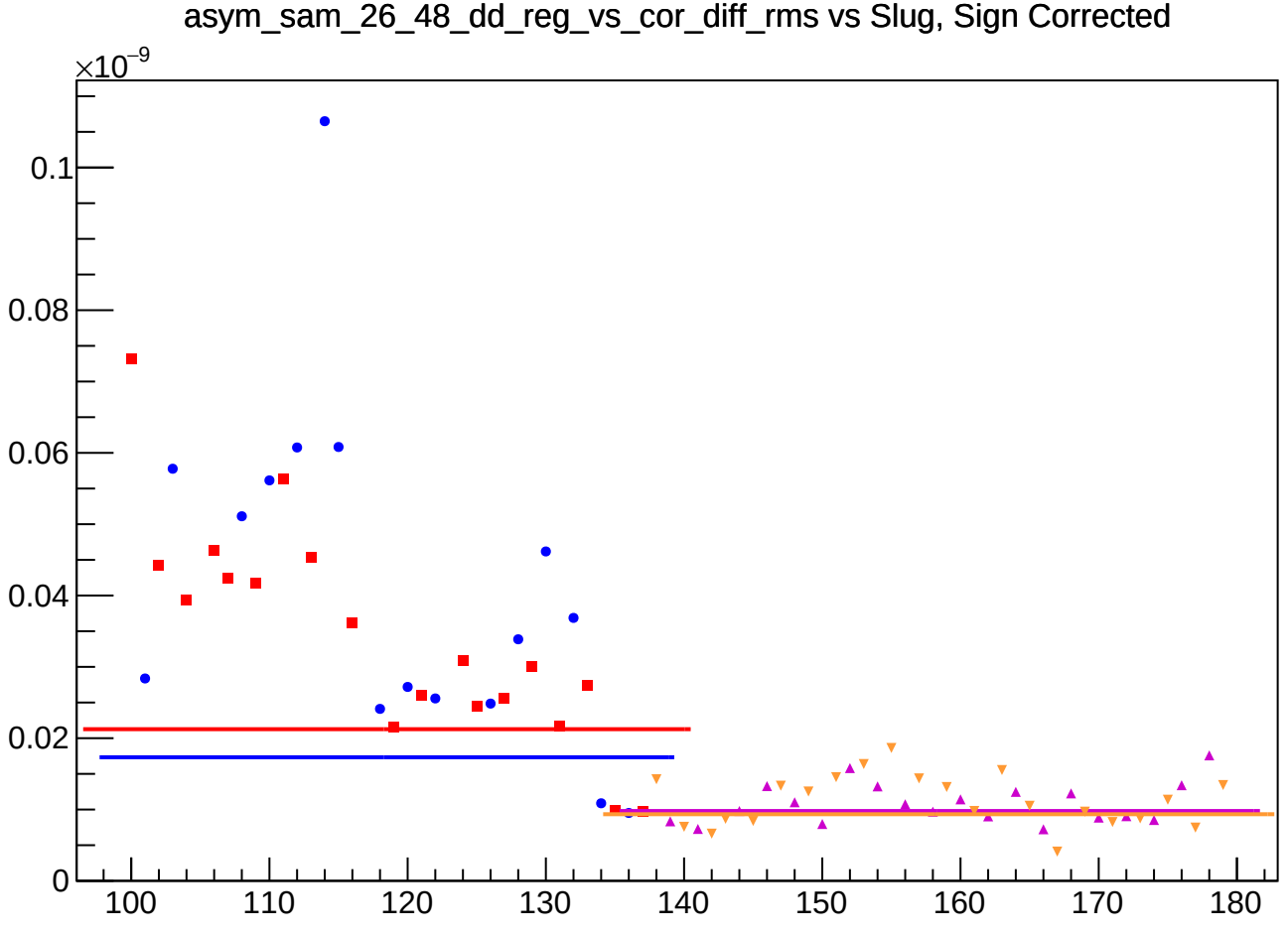
Left: -0.000+/-0.000 χ^2/NDF: 27.3/41

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:27.0/35

Out: -0.000+/-0.000 χ^2/NDF:35.6/40

All: -0.000+/-0.000 χ^2/NDF: 63.2/76



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1771656.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:617135.7/19

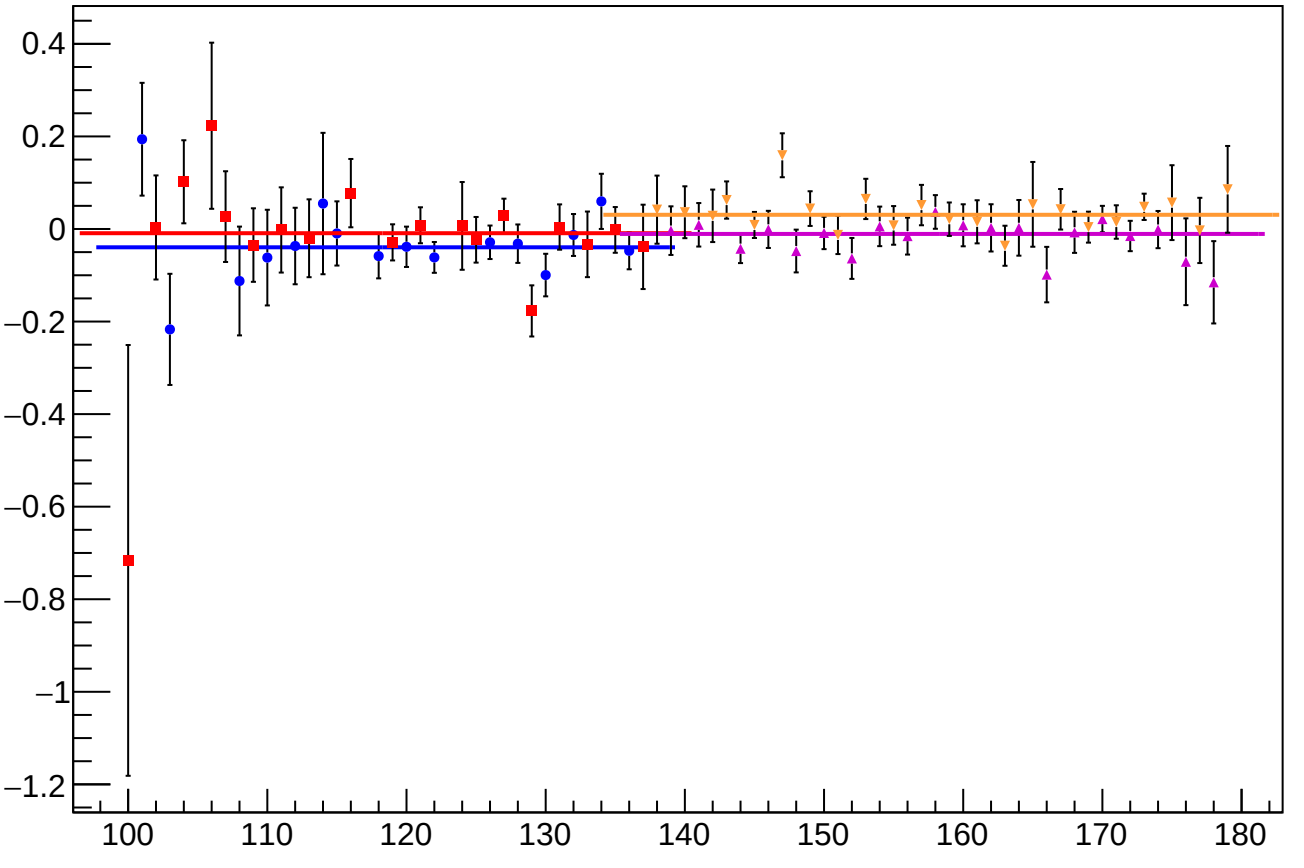
Left: 0.000+/-0.000 χ^2/NDF: 2401982.5/41

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3751961.9/35

Out: 0.000+/-0.000 χ^2/NDF:4909981.0/40

All: 0.000+/-0.000 χ^2/NDF: 8674336.0/76



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:10.8/19

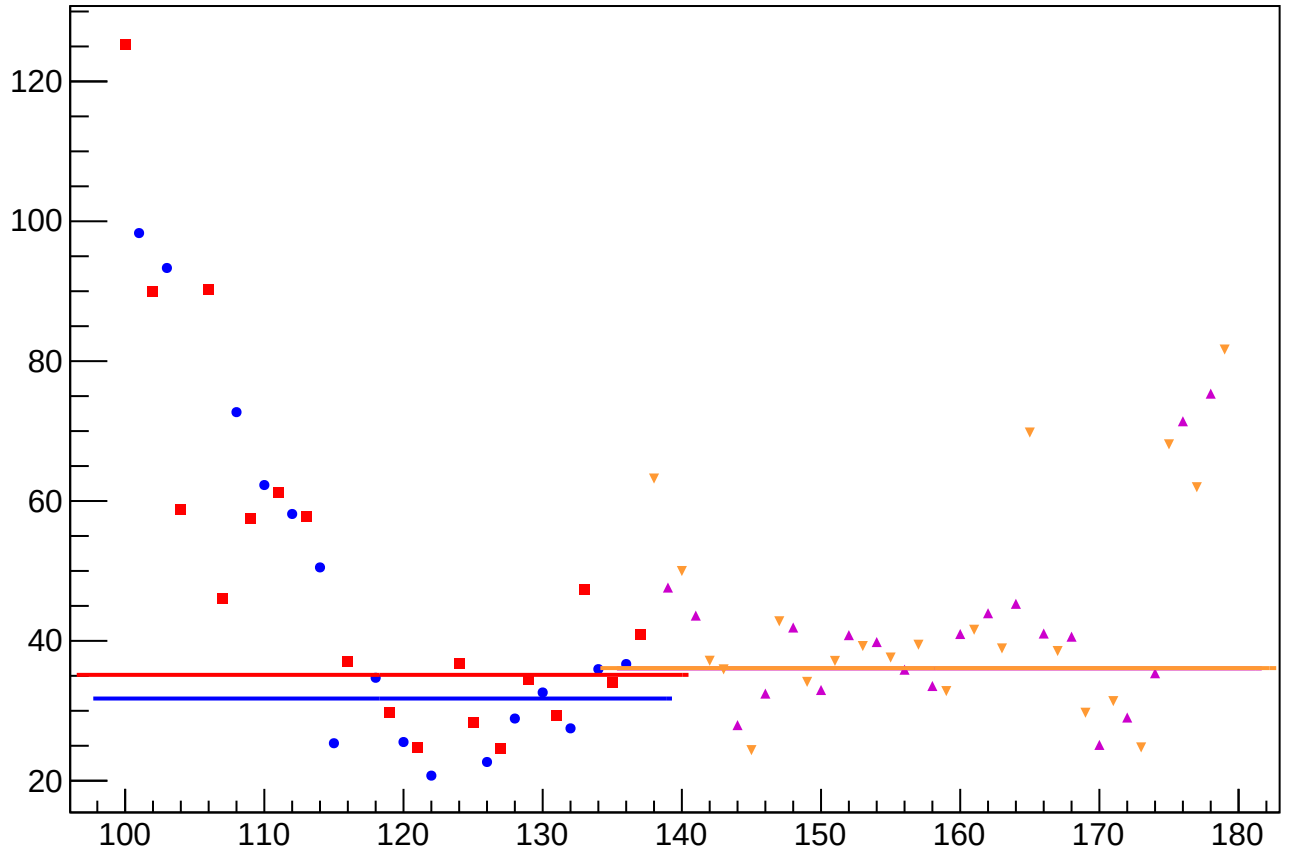
Left: 0.011+/-0.007 χ^2/NDF: 36.2/41

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 78.9/76



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623275.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610735.6/19

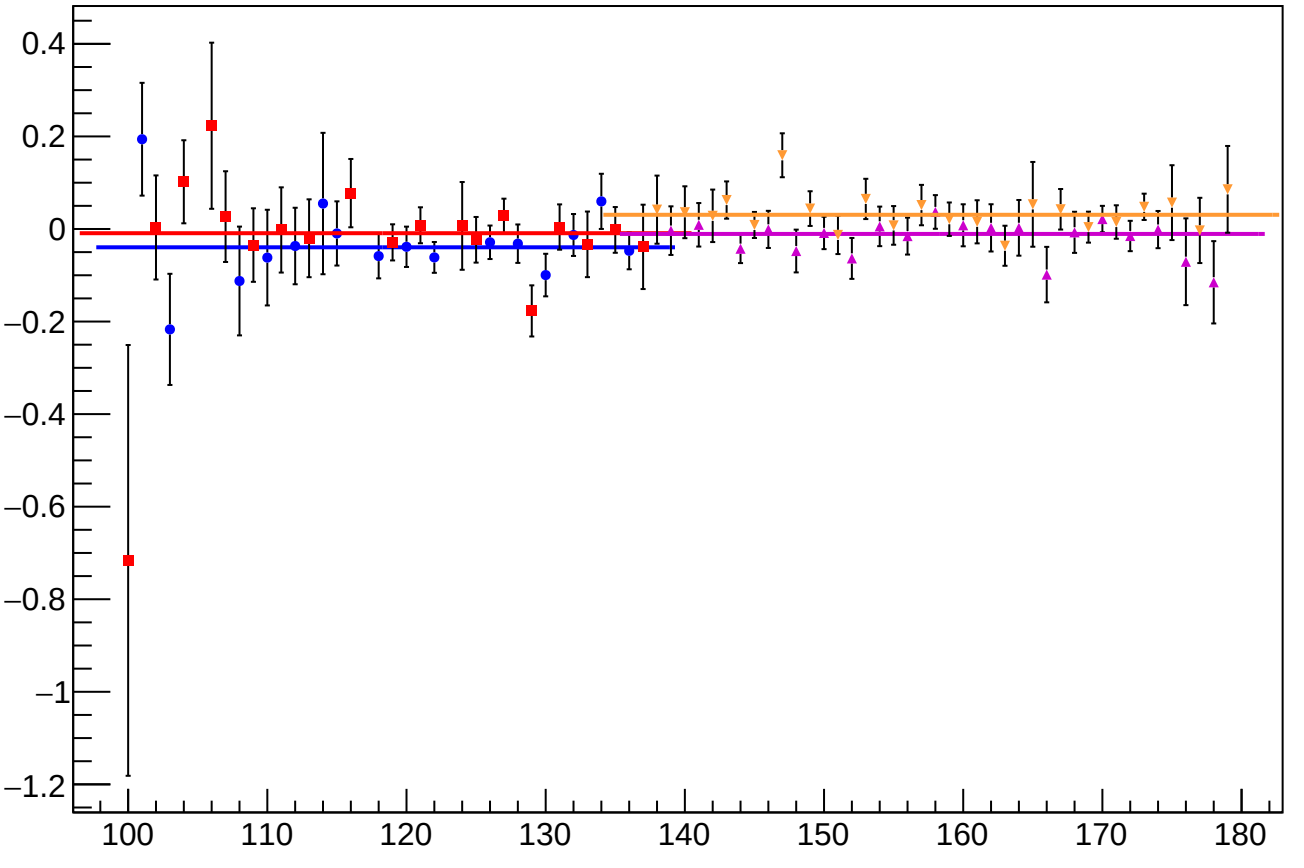
Left: 36.083+/-0.005 χ^2/NDF: 4234038.9/41

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.589+/-0.005 χ^2/NDF:4003871.7/35

Out: 35.820+/-0.005 χ^2/NDF:4474509.1/40

All: 35.203+/-0.004 χ^2/NDF: 8503914.6/76



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:10.8/19

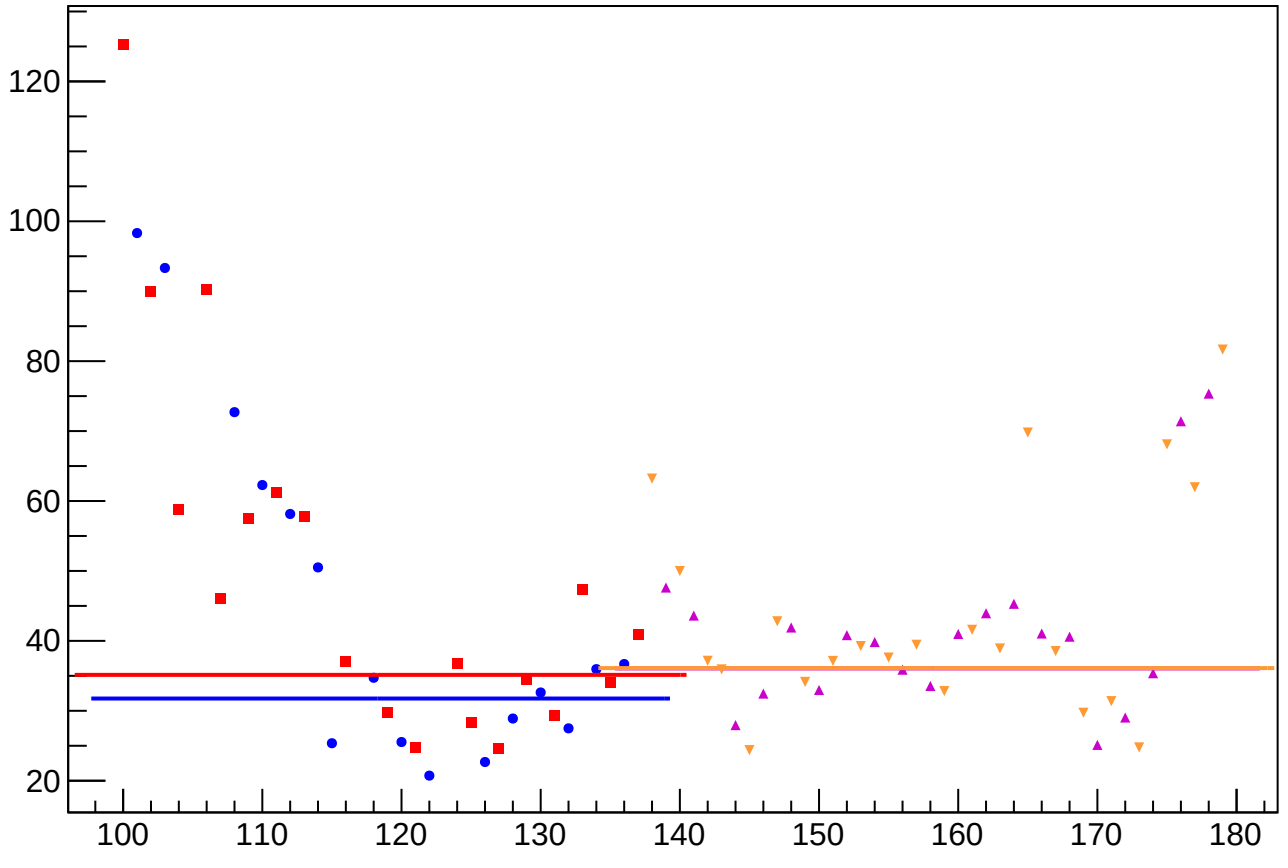
Left: 0.011+/-0.007 χ^2/NDF: 36.2/41

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 78.9/76



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623275.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610735.6/19

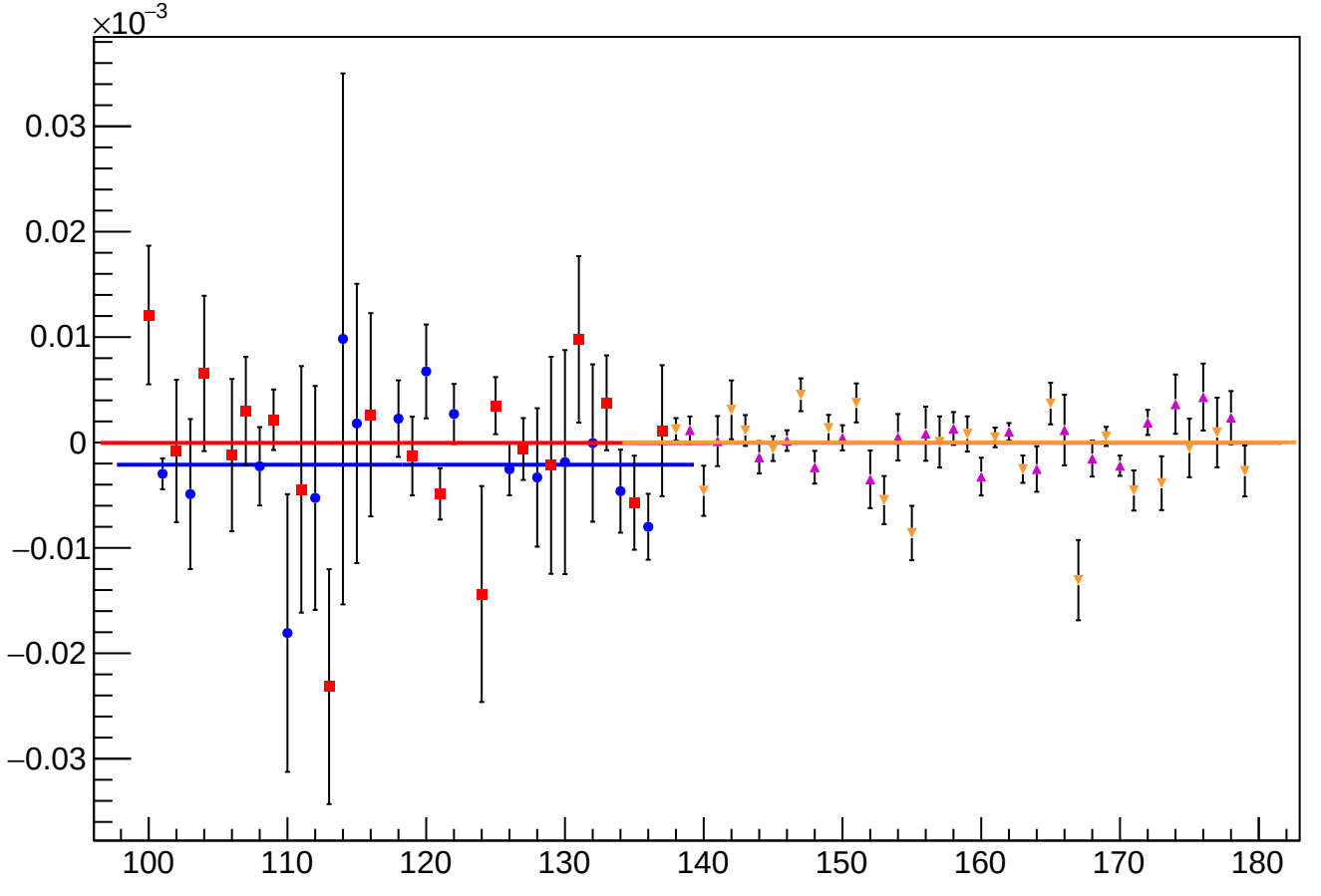
Left: 36.083+/-0.005 χ^2/NDF: 4234038.9/41

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.589+/-0.005 χ^2/NDF:4003871.7/35

Out: 35.820+/-0.005 χ^2/NDF:4474509.1/40

All: 35.203+/-0.004 χ^2/NDF: 8503914.6/76



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:67.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:25.9/19

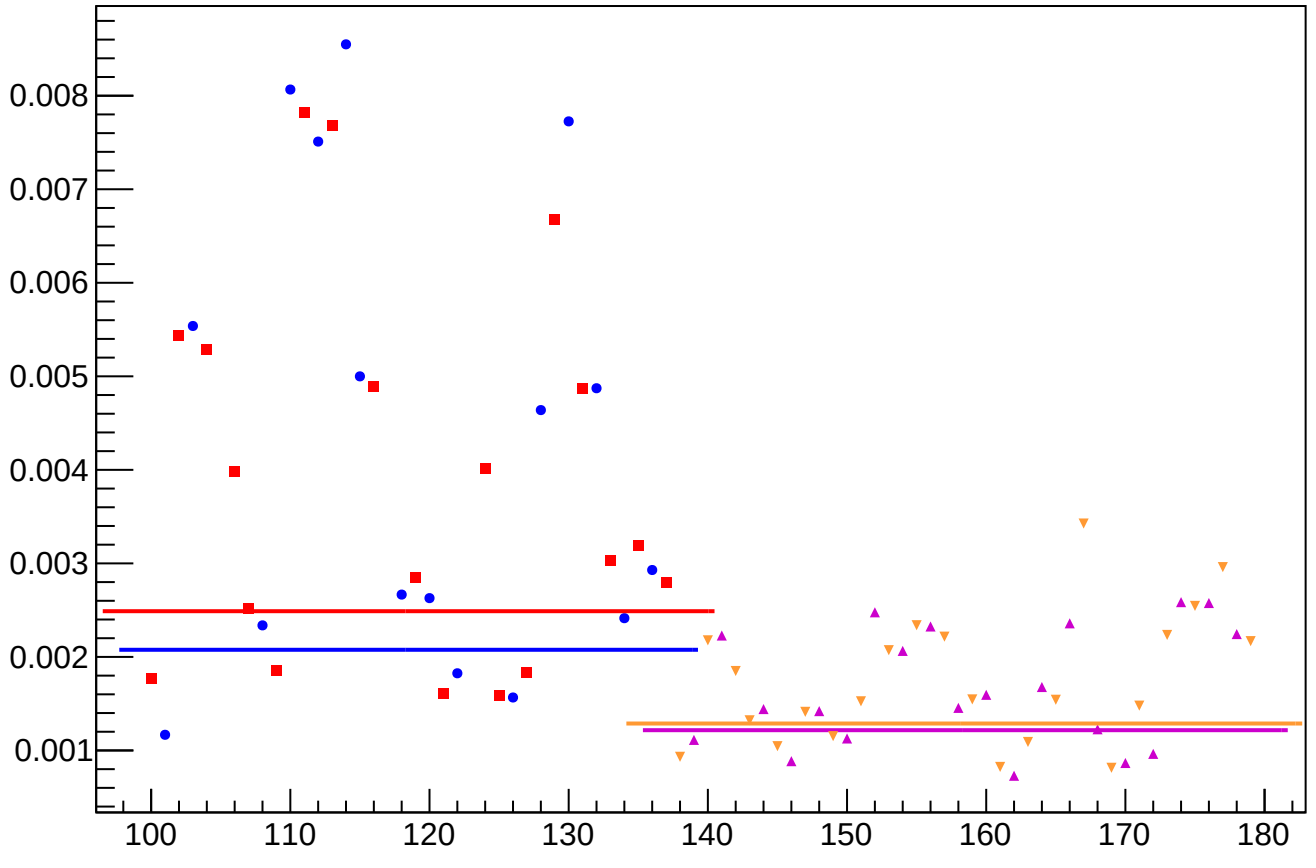
Left: -0.000+/-0.000 χ^2/NDF: 93.1/41

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:45.3/35

Out: 0.000+/-0.000 χ^2/NDF:88.5/40

All: -0.000+/-0.000 χ^2/NDF: 134.2/76



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4882165.1/21

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4485519.4/19

Left: 0.001+/-0.000 χ^2/NDF: 9412404.0/41

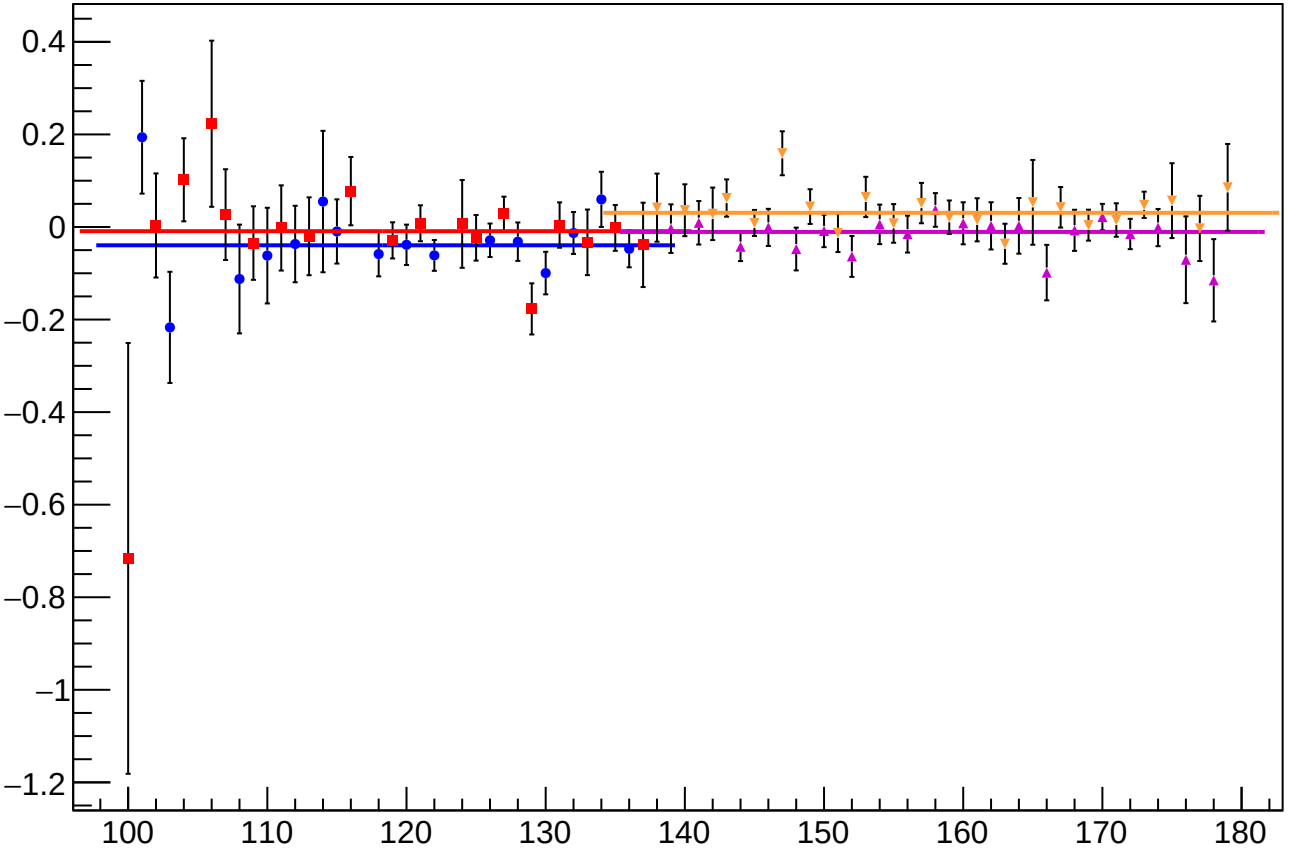
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:9975761.8/35

Out: 0.001+/-0.000 χ^2/NDF:10375654.7/40

All: 0.001+/-0.000 χ^2/NDF: 20420031.6/76

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:10.8/19

Left: 0.011+/-0.007 χ^2/NDF: 36.2/41

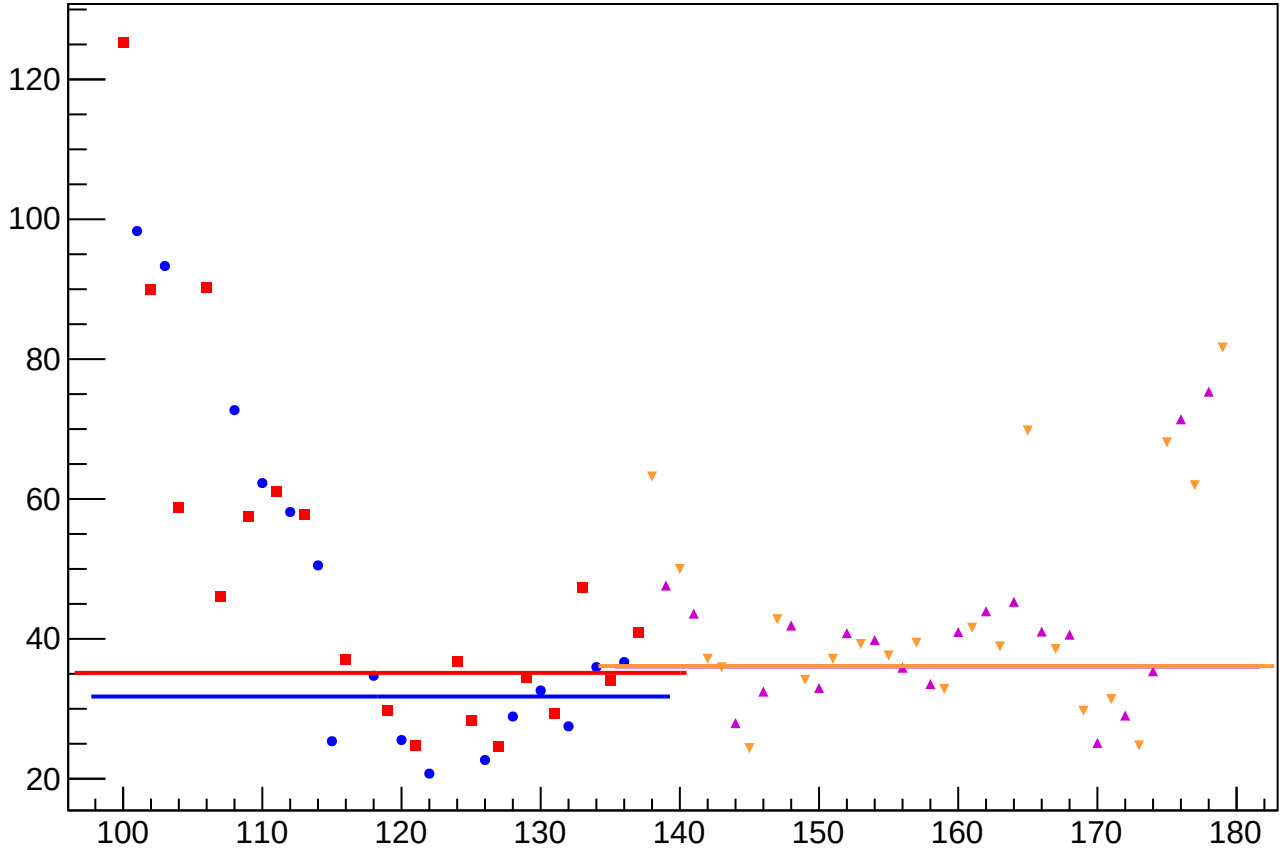
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 78.9/76

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623287.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

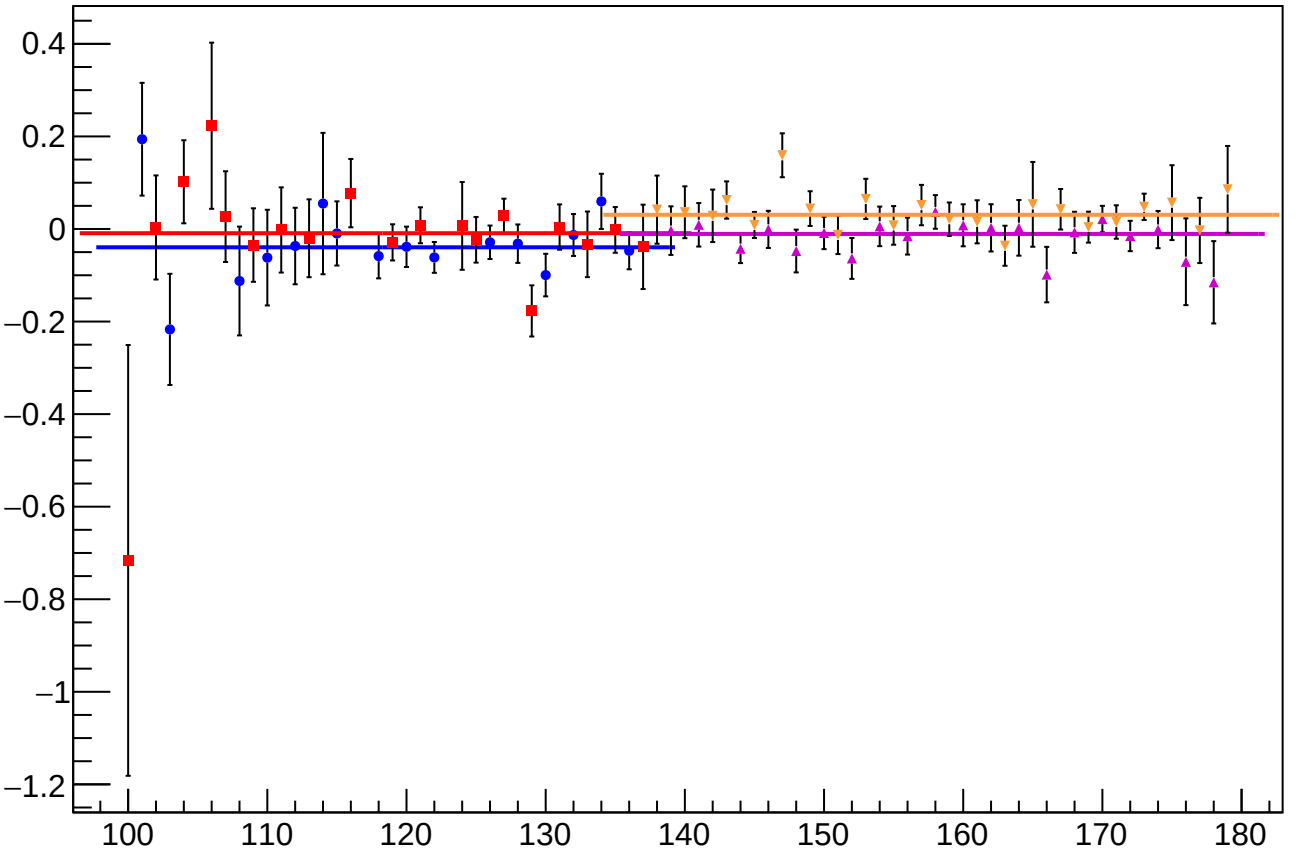
Left: 36.083+/-0.005 χ^2/NDF: 4234019.8/41

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.590+/-0.005 χ^2/NDF:4003786.7/35

Out: 35.820+/-0.005 χ^2/NDF:4474410.5/40

All: 35.203+/-0.004 χ^2/NDF: 8503731.3/76



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.009 χ^2/NDF:15.6/21

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.009 χ^2/NDF:10.8/19

Left: 0.011+/-0.007 χ^2/NDF: 36.2/41

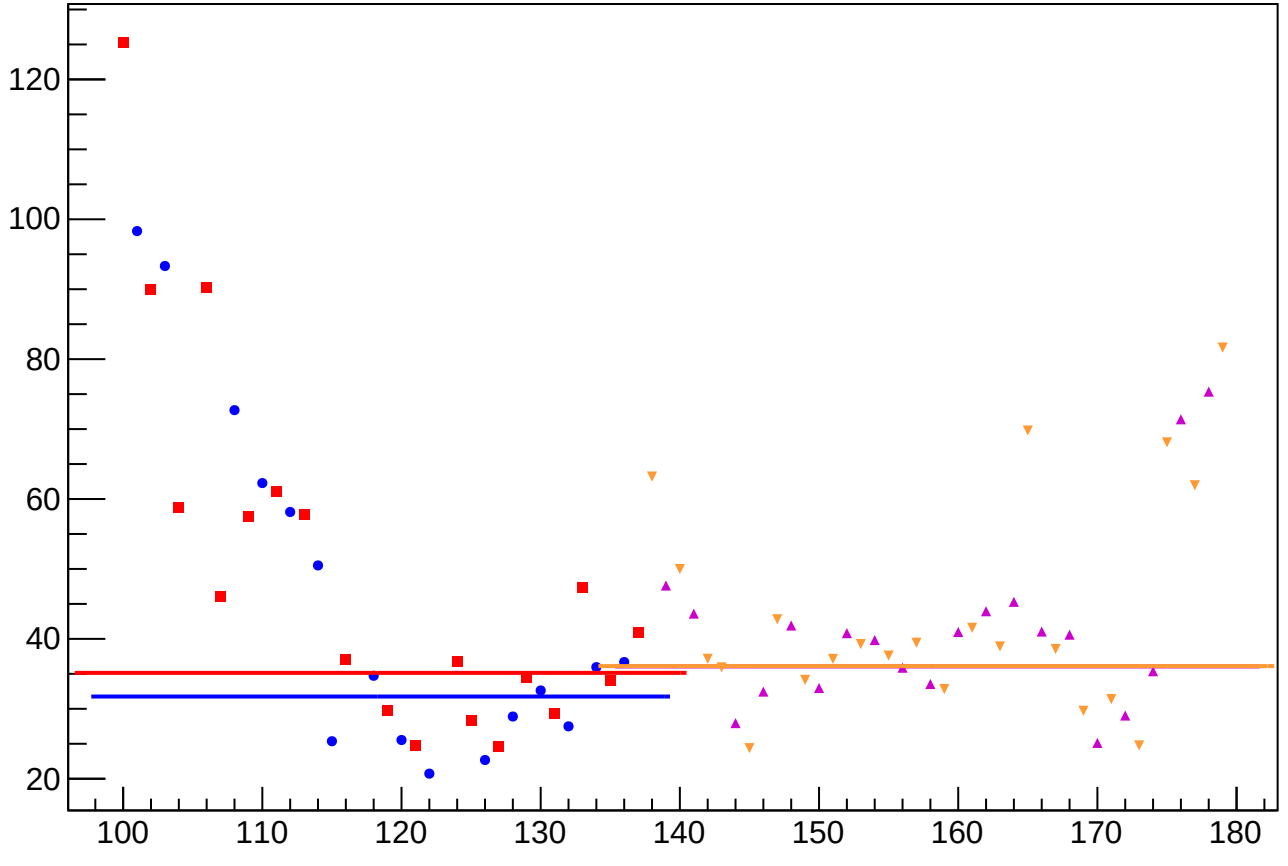
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.019+/-0.008 χ^2/NDF:39.4/40

All: -0.001+/-0.005 χ^2/NDF: 78.9/76

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.107+/-0.007 χ^2/NDF:2623287.0/21

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

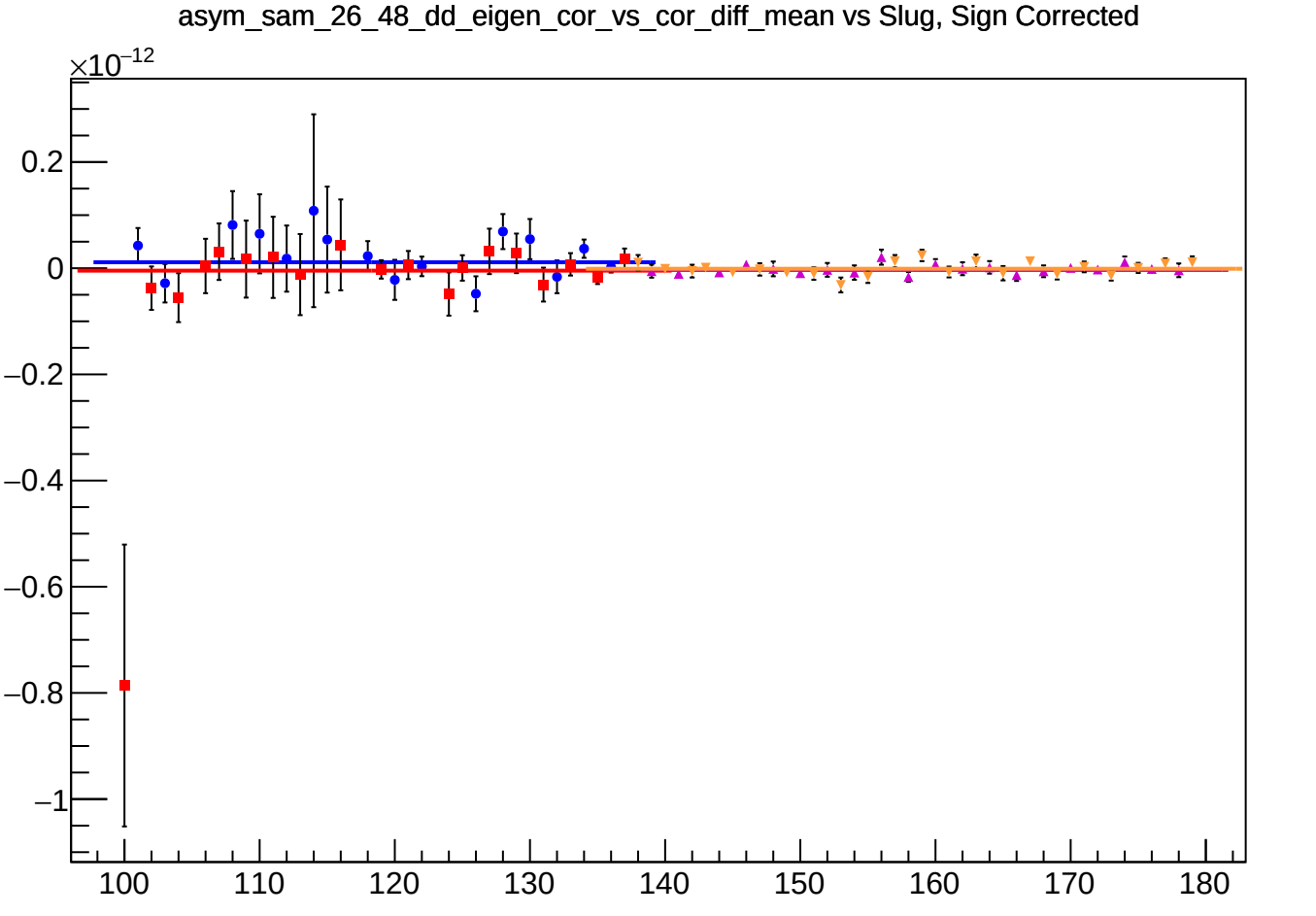
Left: 36.083+/-0.005 χ^2/NDF: 4234019.8/41

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.590+/-0.005 χ^2/NDF:4003786.7/35

Out: 35.820+/-0.005 χ^2/NDF:4474410.5/40

All: 35.203+/-0.004 χ^2/NDF: 8503731.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/19

Left: -0.000+/-0.000 χ^2/NDF: 38.6/41

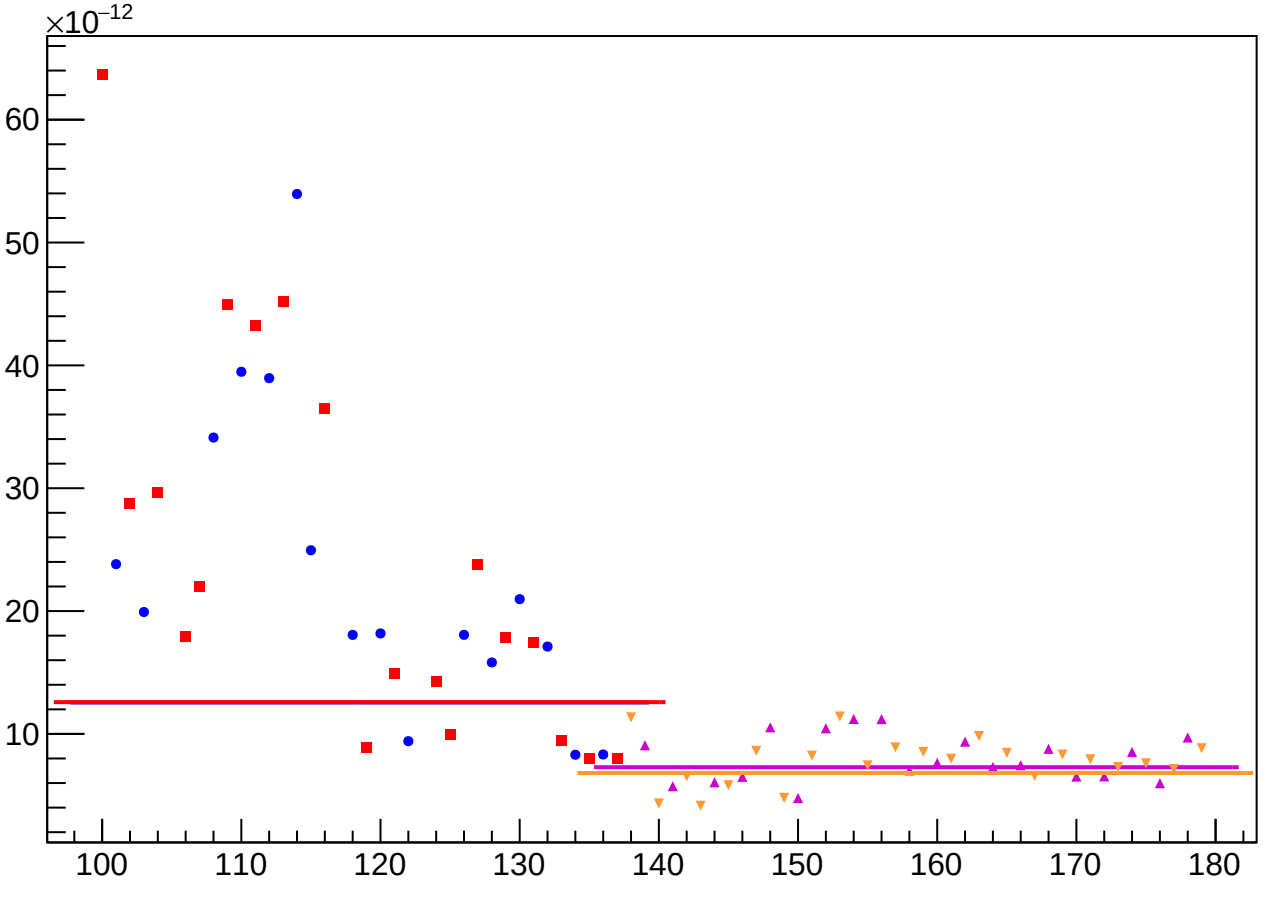
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.9/35

Out: -0.000+/-0.000 χ^2/NDF:43.3/40

All: -0.000+/-0.000 χ^2/NDF: 77.2/76

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1825352.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1242874.8/19

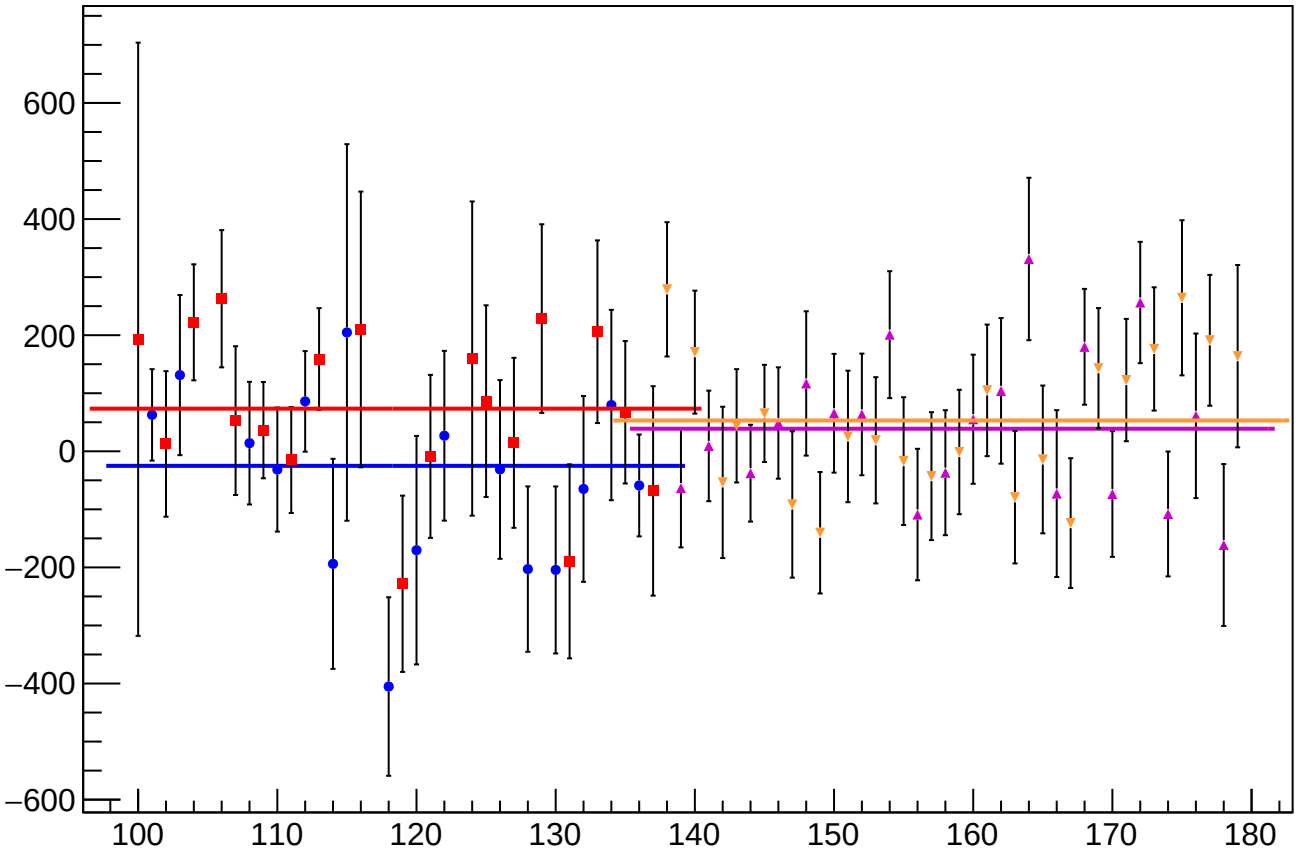
Left: 0.000+/-0.000 χ^2/NDF: 3116455.1/41

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4602560.7/35

Out: 0.000+/-0.000 χ^2/NDF:5947576.9/40

All: 0.000+/-0.000 χ^2/NDF: 10618517.2/76



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.102+/-23.682 χ^2/NDF:23.4/21

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 38.857+/-24.492 χ^2/NDF:23.5/19

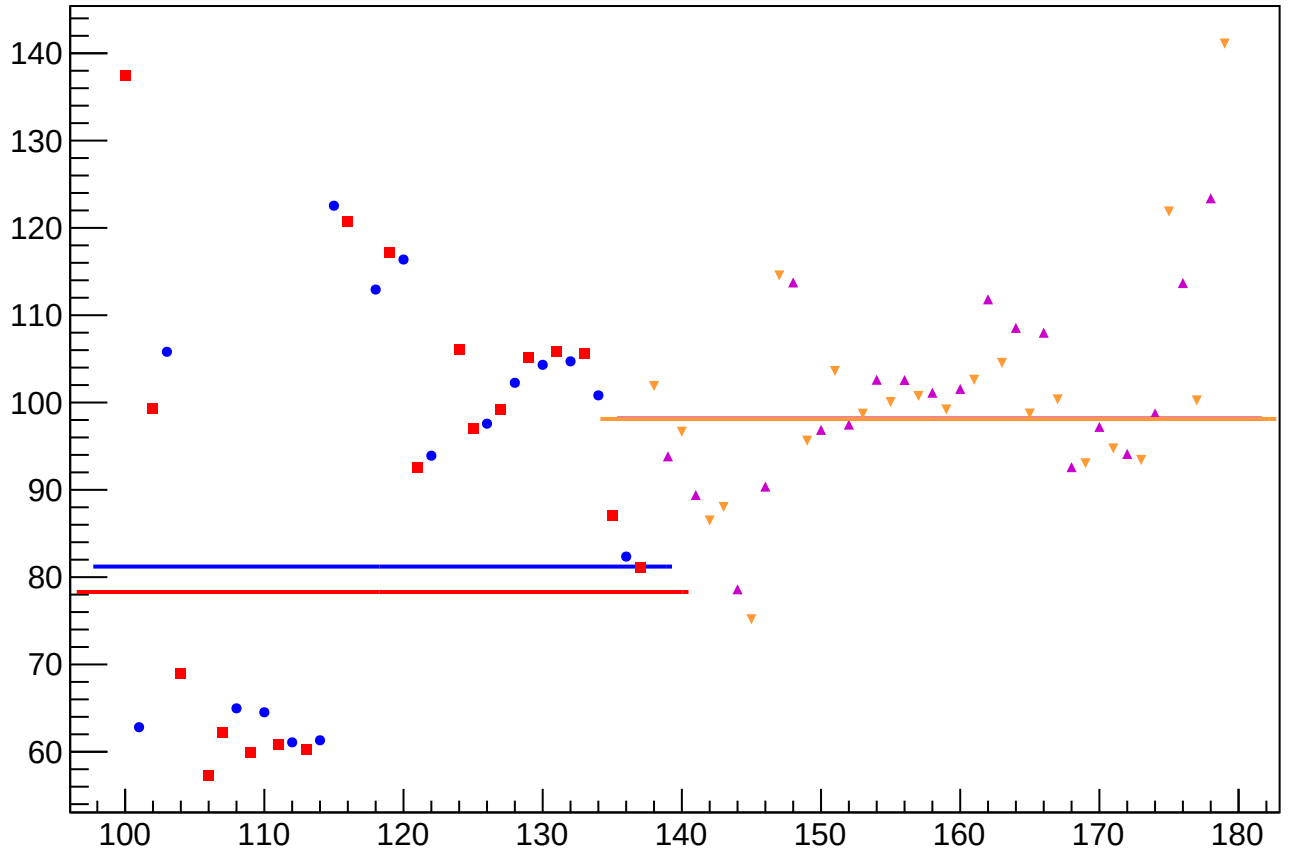
Left: 46.219+/-17.025 χ^2/NDF: 47.1/41

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 14.511+/-19.272 χ^2/NDF:42.3/35

Out: 60.938+/-18.573 χ^2/NDF:40.5/40

All: 38.582+/-13.373 χ^2/NDF: 85.8/76



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

Left: 98.145+/-0.012 χ^2/NDF: 794959.0/41

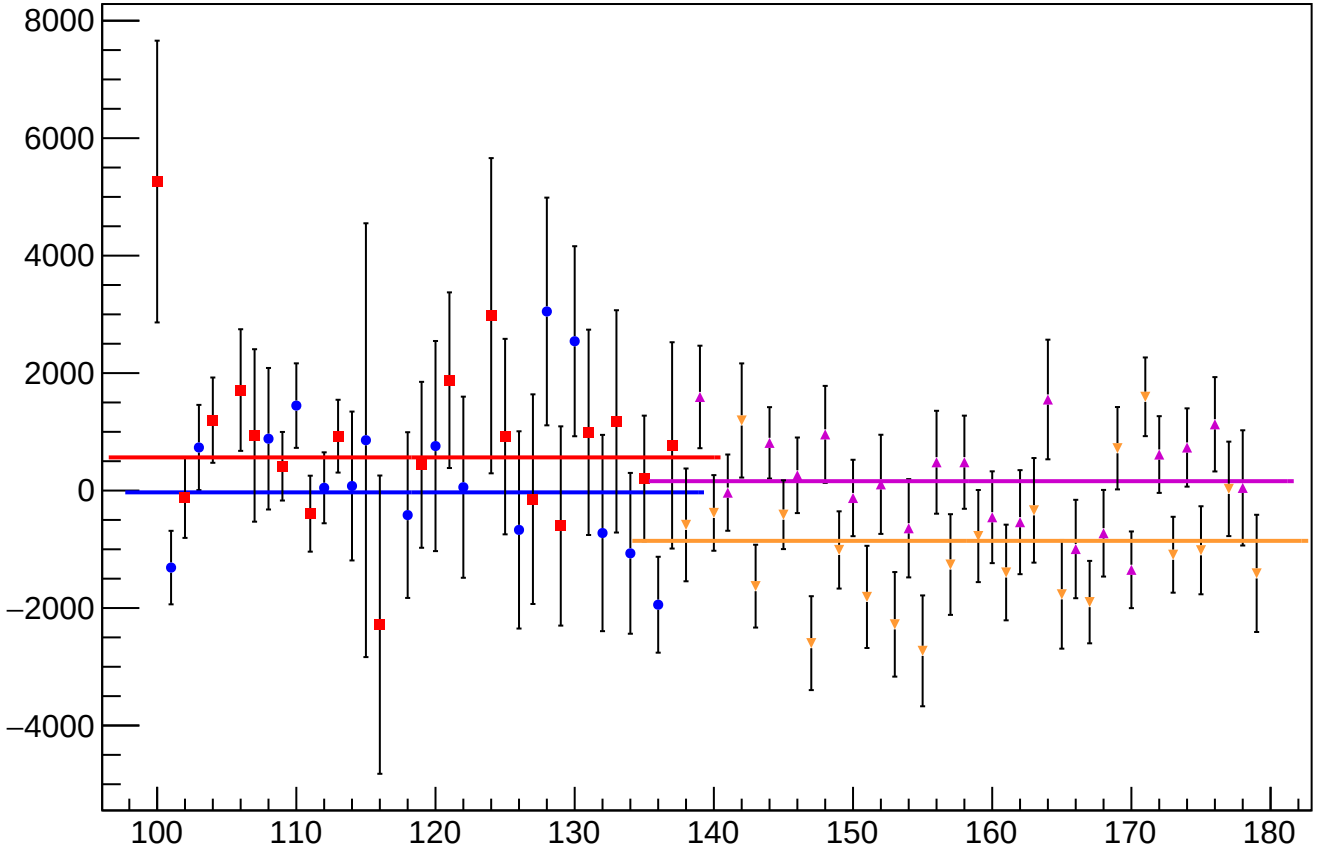
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 91.714+/-0.014 χ^2/NDF:1481280.7/35

Out: 90.488+/-0.013 χ^2/NDF:1940697.4/40

All: 91.078+/-0.009 χ^2/NDF: 3426171.6/76

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -856.224+/-164.379 χ^2/NDF:43.7/21

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 159.973+/-168.952 χ^2/NDF:20.8/19

Left: -362.062+/-117.817 χ^2/NDF: 83.1/41

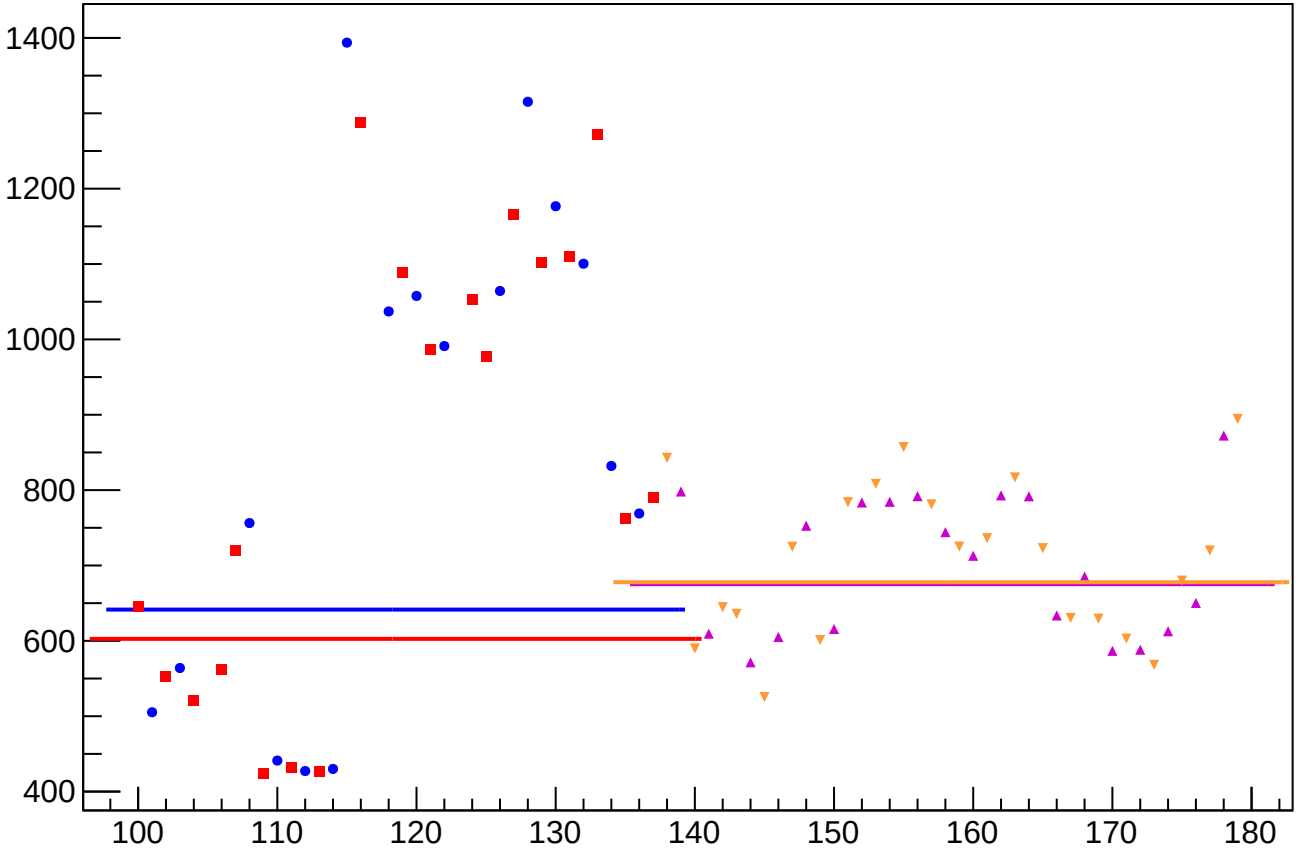
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 102.523+/-141.177 χ^2/NDF:43.1/35

Out: -398.539+/-135.345 χ^2/NDF:81.1/40

All: -158.570+/-97.700 χ^2/NDF: 130.7/76

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.8/21

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 675.142+/-0.119 χ^2/NDF:538243.4/19

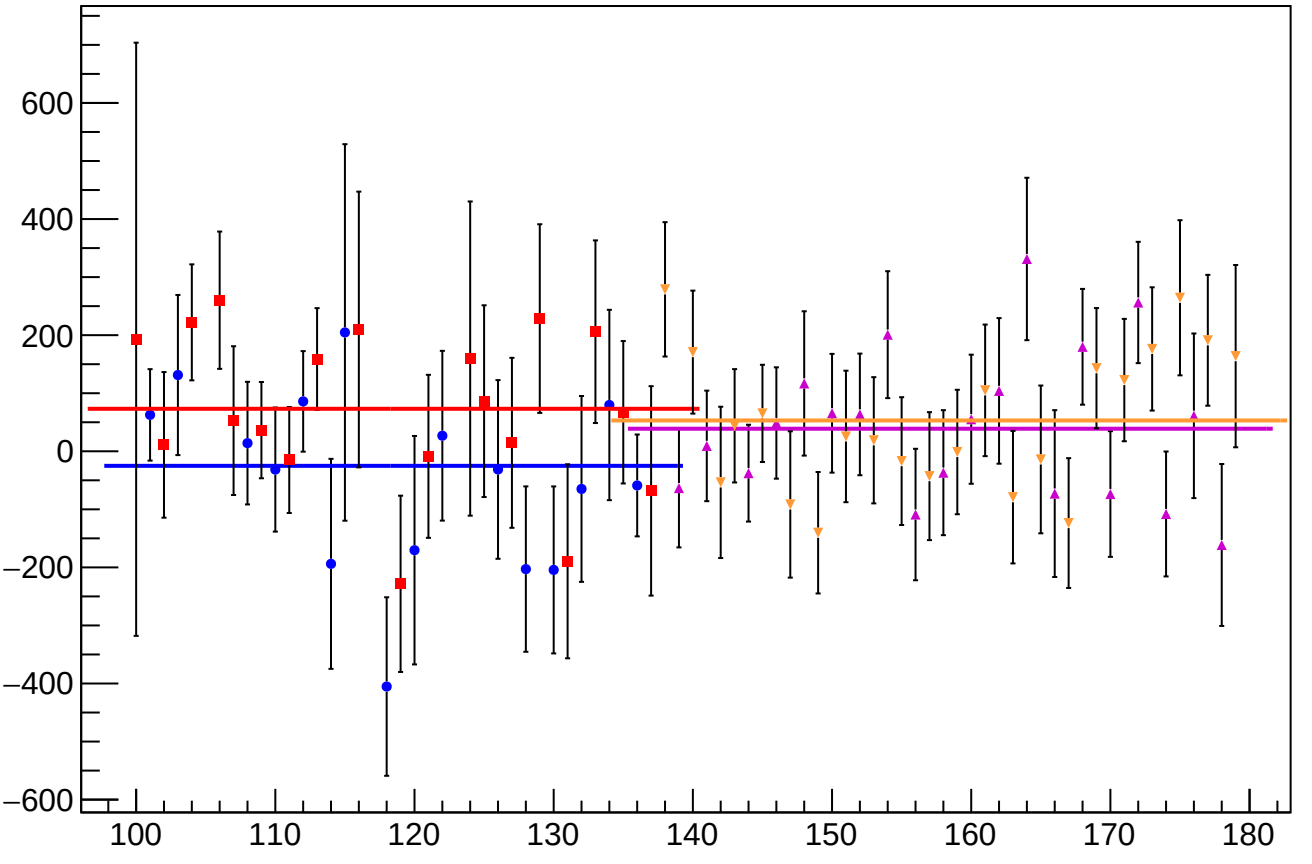
Left: 676.519+/-0.083 χ^2/NDF: 1260086.9/41

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 664.990+/-0.100 χ^2/NDF:2437165.9/35

Out: 653.614+/-0.096 χ^2/NDF:2926587.3/40

All: 659.062+/-0.069 χ^2/NDF: 5370520.1/76



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 38.857+/-24.492 χ^2/NDF:23.5/19

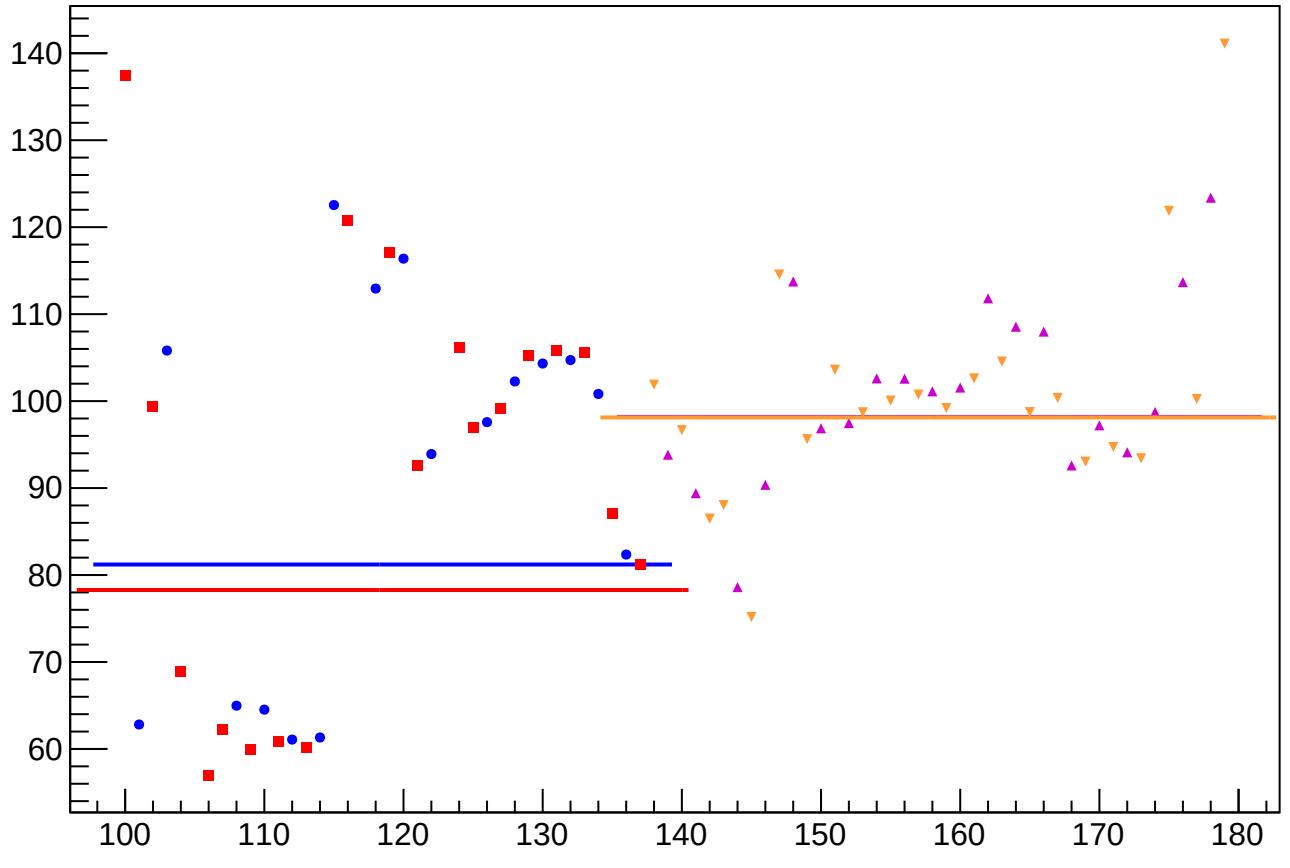
Left: 46.221+/-17.025 χ^2/NDF: 47.1/41

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 14.511+/-19.272 χ^2/NDF:42.3/35

Out: 60.838+/-18.573 χ^2/NDF:40.4/40

All: 38.529+/-13.373 χ^2/NDF: 85.7/76



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

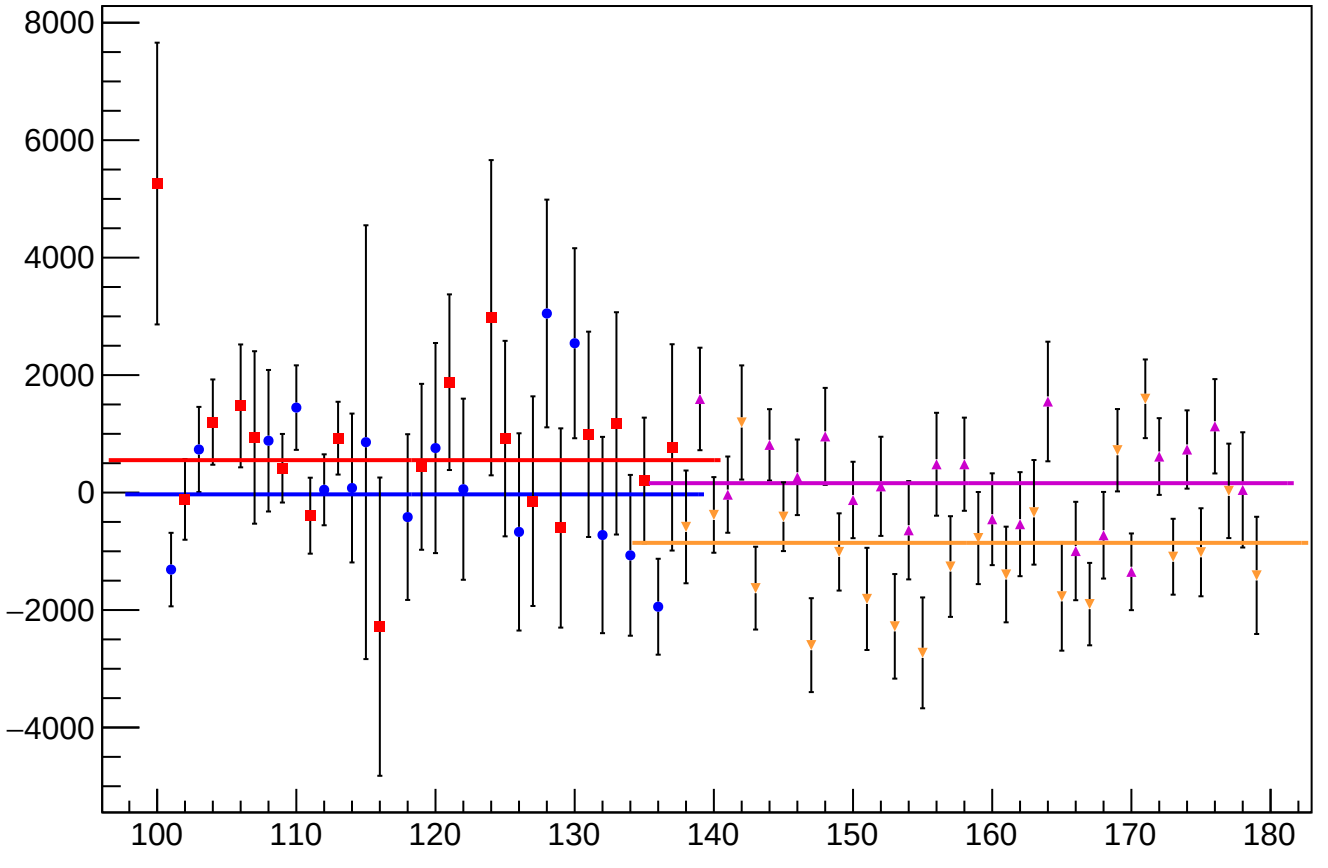
Left: 98.145+/-0.012 χ^2/NDF: 794959.0/41

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.714+/-0.014 χ^2/NDF:1481282.2/35

Out: 90.482+/-0.013 χ^2/NDF:1943810.0/40

All: 91.075+/-0.009 χ^2/NDF: 3429331.0/76



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -856.218+/-164.379 χ^2/NDF:43.7/21

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 159.975+/-168.952 χ^2/NDF:20.8/19

Left: -362.058+/-117.817 χ^2/NDF: 83.1/41

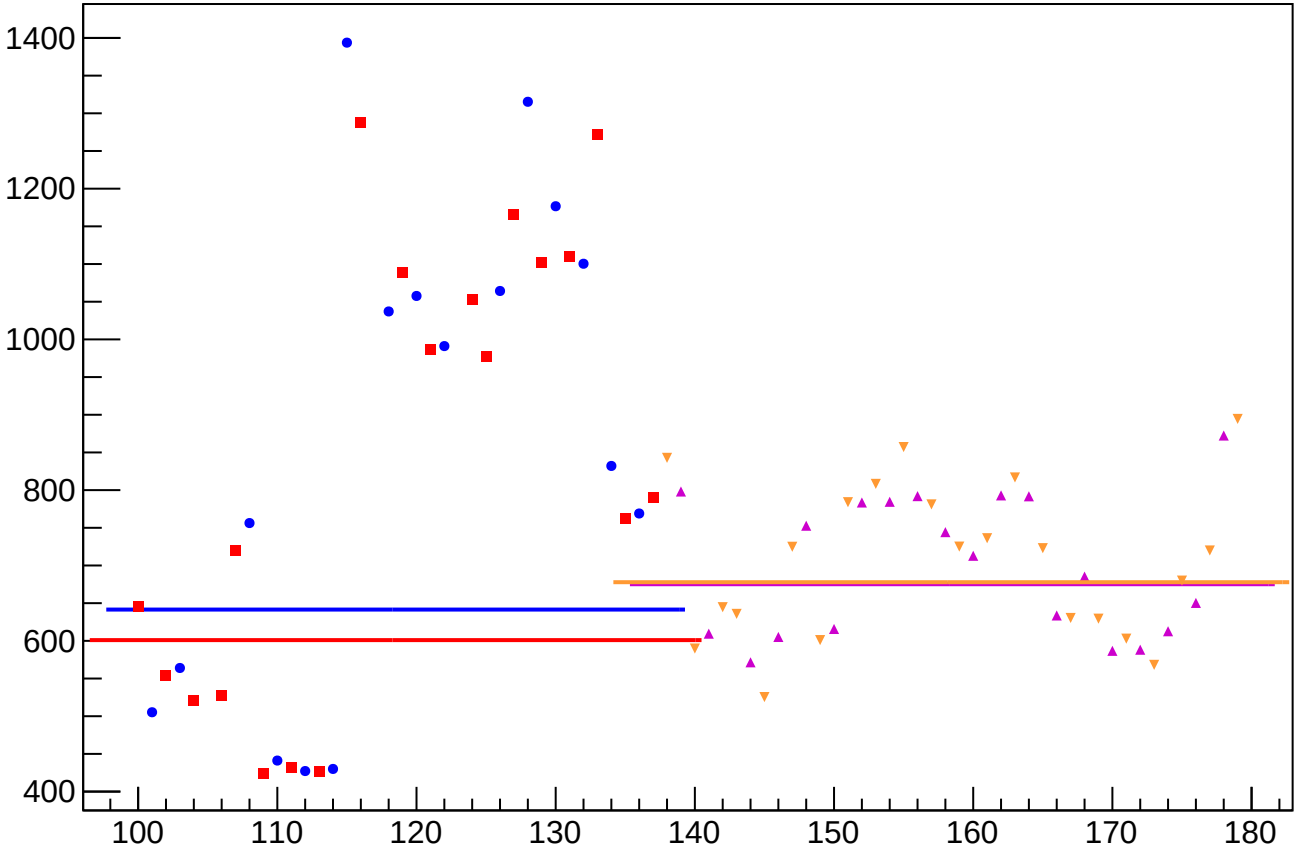
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 102.518+/-141.178 χ^2/NDF:43.1/35

Out: -403.085+/-135.372 χ^2/NDF:80.1/40

All: -160.893+/-97.711 χ^2/NDF: 129.9/76

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

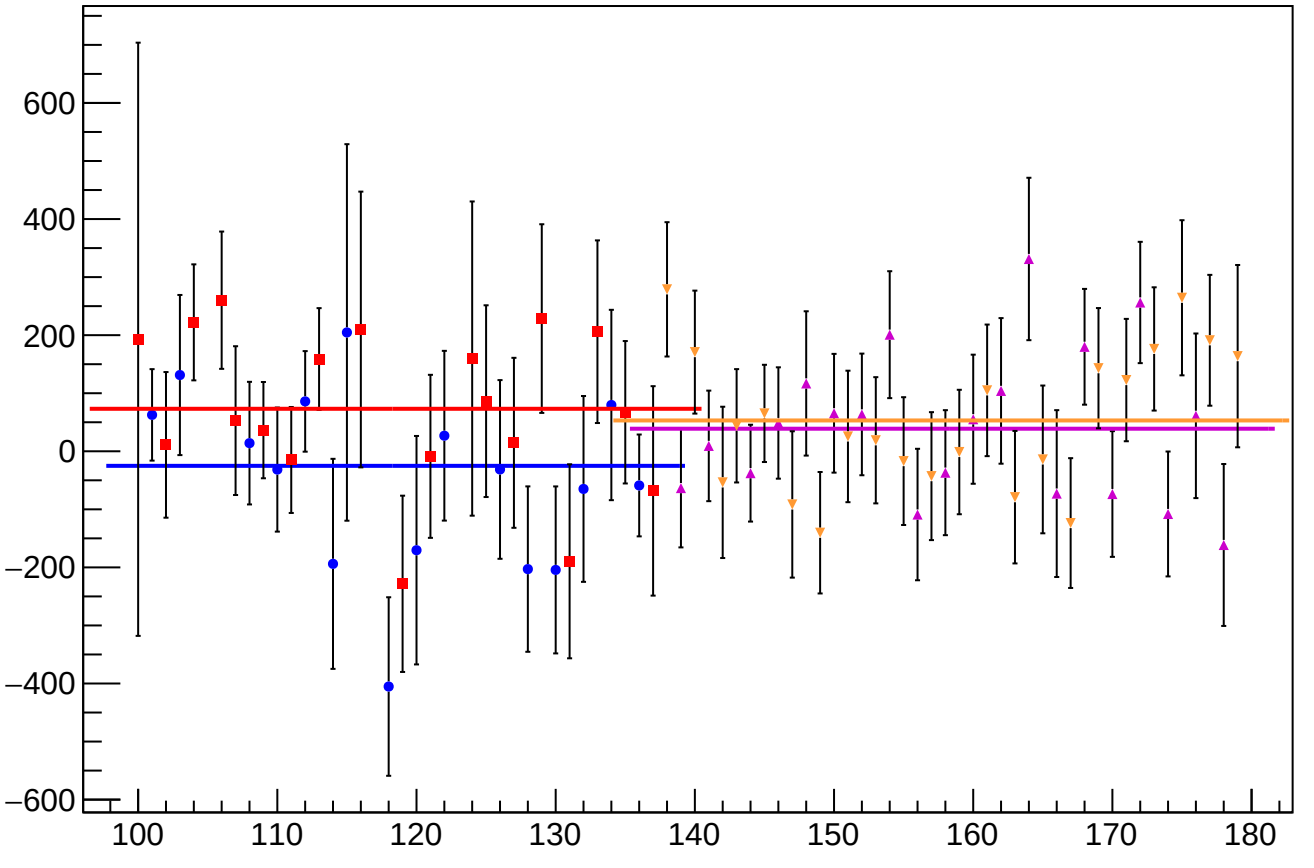
Left: 676.519+/-0.083 χ^2/NDF: 1260087.7/41

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 664.993+/-0.100 χ^2/NDF:2437113.1/35

Out: 653.094+/-0.096 χ^2/NDF:2939474.8/40

All: 658.794+/-0.069 χ^2/NDF: 5383989.4/76



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 53.106+/-23.682 χ^2/NDF:23.4/21

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 38.857+/-24.492 χ^2/NDF:23.5/19

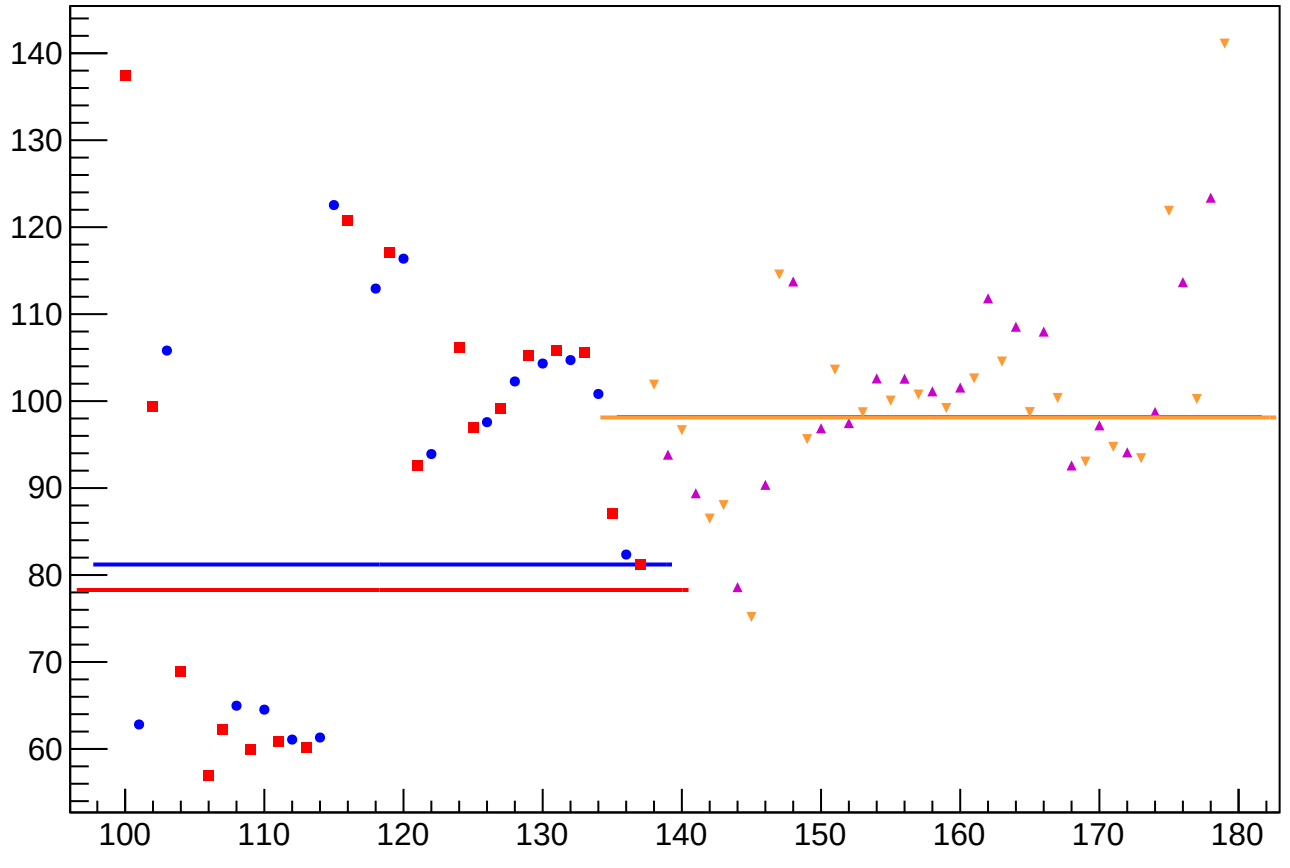
Left: 46.221+/-17.025 χ^2/NDF: 47.1/41

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 14.511+/-19.272 χ^2/NDF:42.3/35

Out: 60.838+/-18.573 χ^2/NDF:40.4/40

All: 38.529+/-13.373 χ^2/NDF: 85.7/76



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 98.118+/-0.017 χ^2/NDF:466771.6/21

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 98.174+/-0.017 χ^2/NDF:328181.9/19

Left: 98.145+/-0.012 χ^2/NDF: 794959.0/41

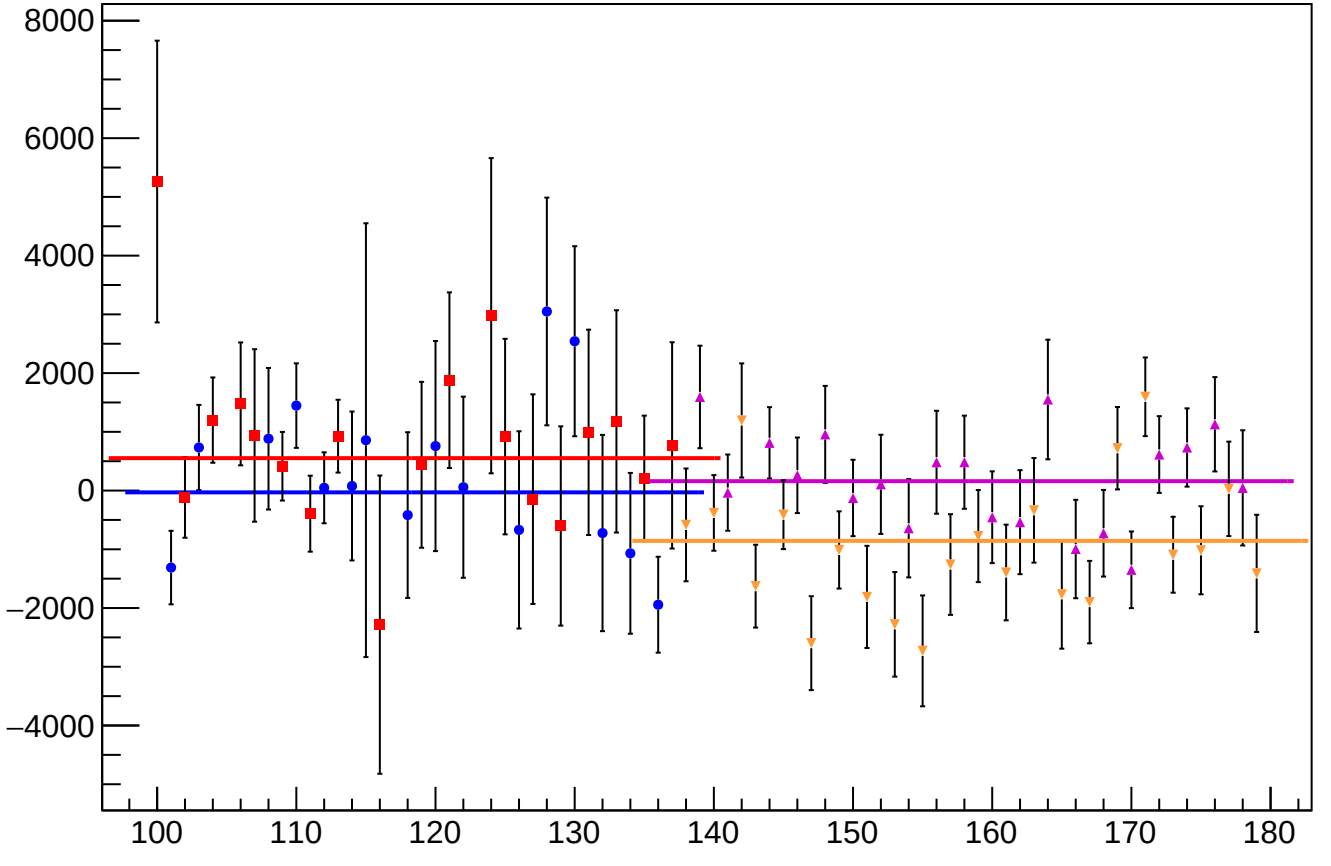
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.714+/-0.014 χ^2/NDF:1481282.2/35

Out: 90.482+/-0.013 χ^2/NDF:1943810.0/40

All: 91.075+/-0.009 χ^2/NDF: 3429331.0/76

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -856.218+/-164.379 χ^2/NDF:43.7/21

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 159.975+/-168.952 χ^2/NDF:20.8/19

Left: -362.058+/-117.817 χ^2/NDF: 83.1/41

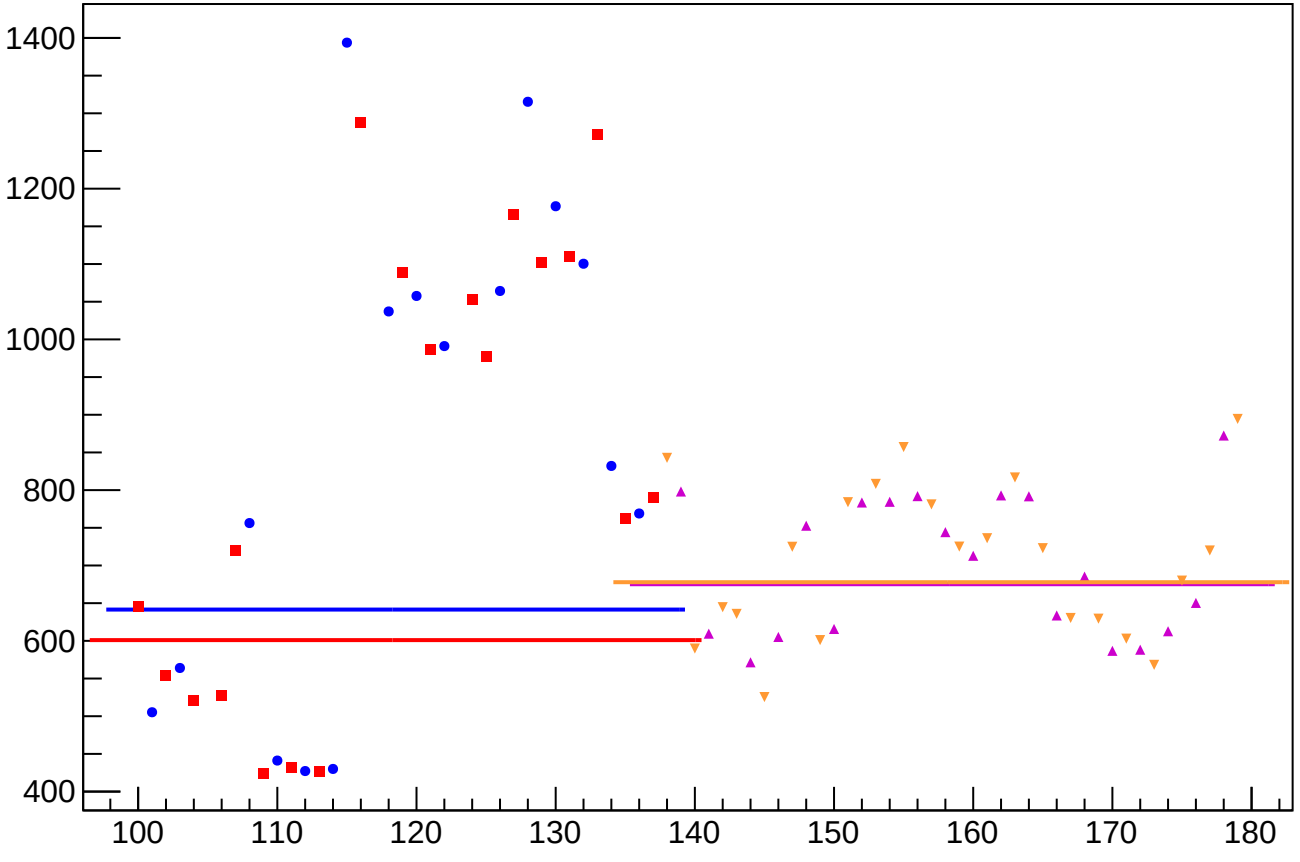
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 102.518+/-141.178 χ^2/NDF:43.1/35

Out: -403.085+/-135.372 χ^2/NDF:80.1/40

All: -160.893+/-97.711 χ^2/NDF: 129.9/76

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.823+/-0.116 χ^2/NDF:721584.6/21

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

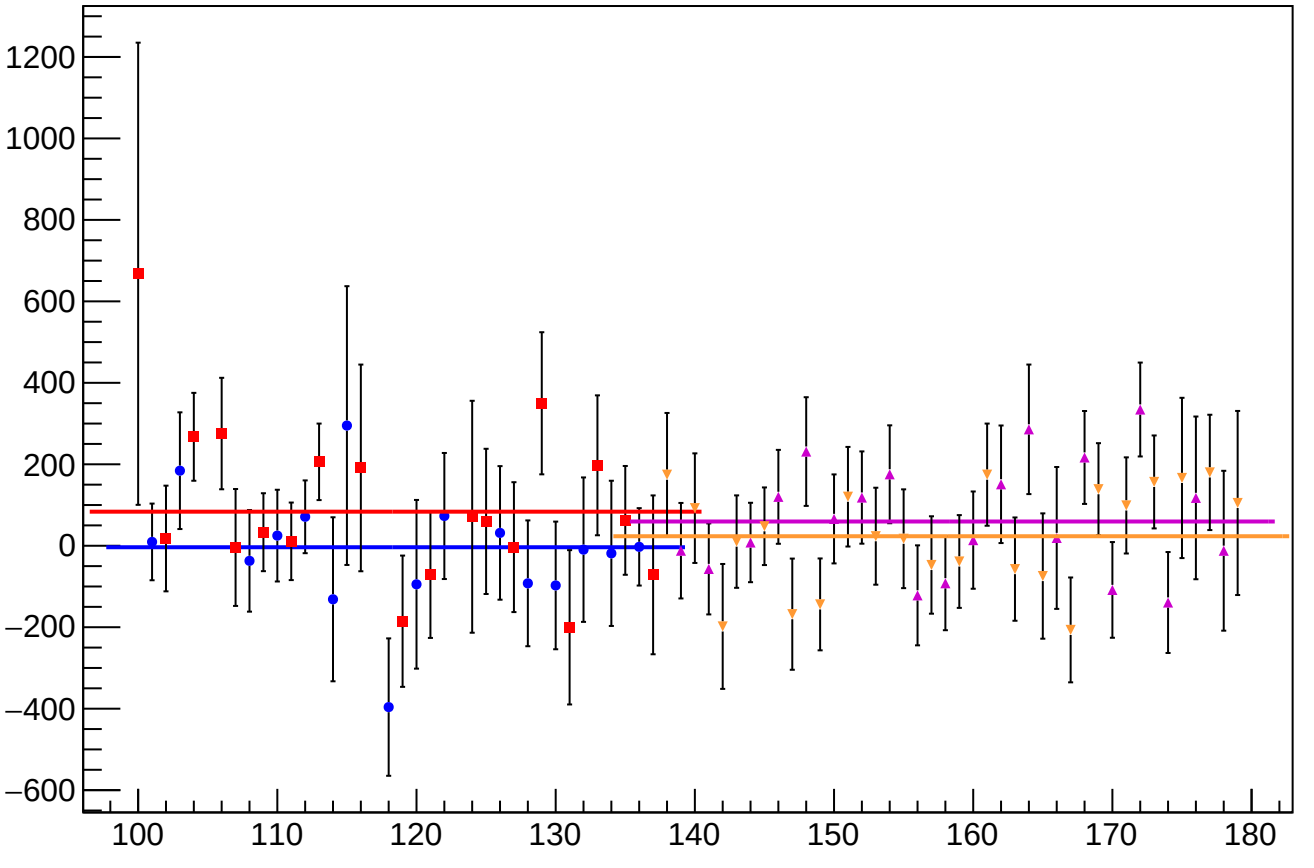
Left: 676.519+/-0.083 χ^2/NDF: 1260087.7/41

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 664.993+/-0.100 χ^2/NDF:2437113.1/35

Out: 653.094+/-0.096 χ^2/NDF:2939474.8/40

All: 658.794+/-0.069 χ^2/NDF: 5383989.4/76



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.375+/-27.070 χ^2/NDF:19.0/21

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 59.547+/-27.804 χ^2/NDF:23.8/19

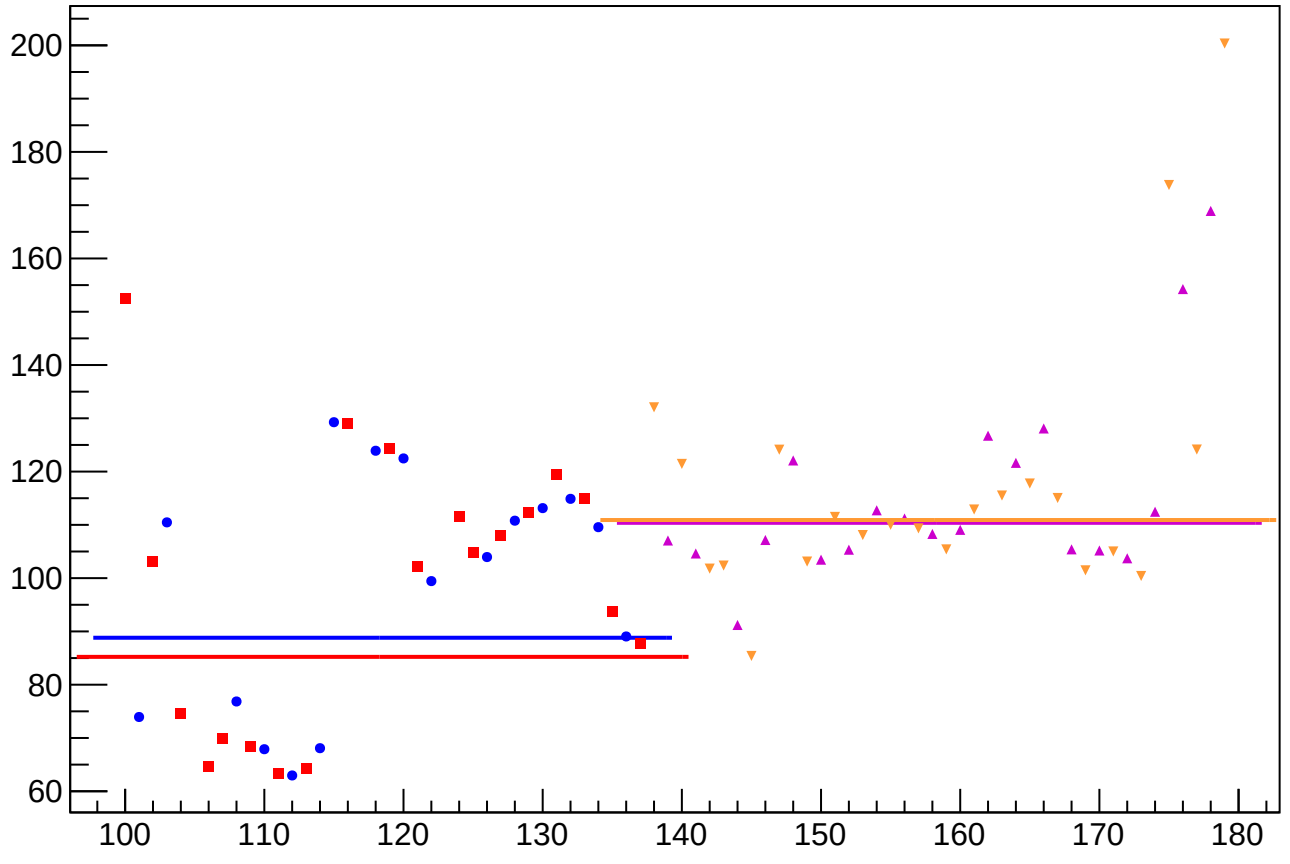
Left: 40.978+/-19.396 χ^2/NDF: 43.7/41

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.363+/-21.562 χ^2/NDF:36.2/35

Out: 47.956+/-20.835 χ^2/NDF:40.1/40

All: 41.393+/-14.983 χ^2/NDF: 76.5/76



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 110.907+/-0.019 χ^2/NDF:827725.5/21

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 110.384+/-0.020 χ^2/NDF:460755.1/19

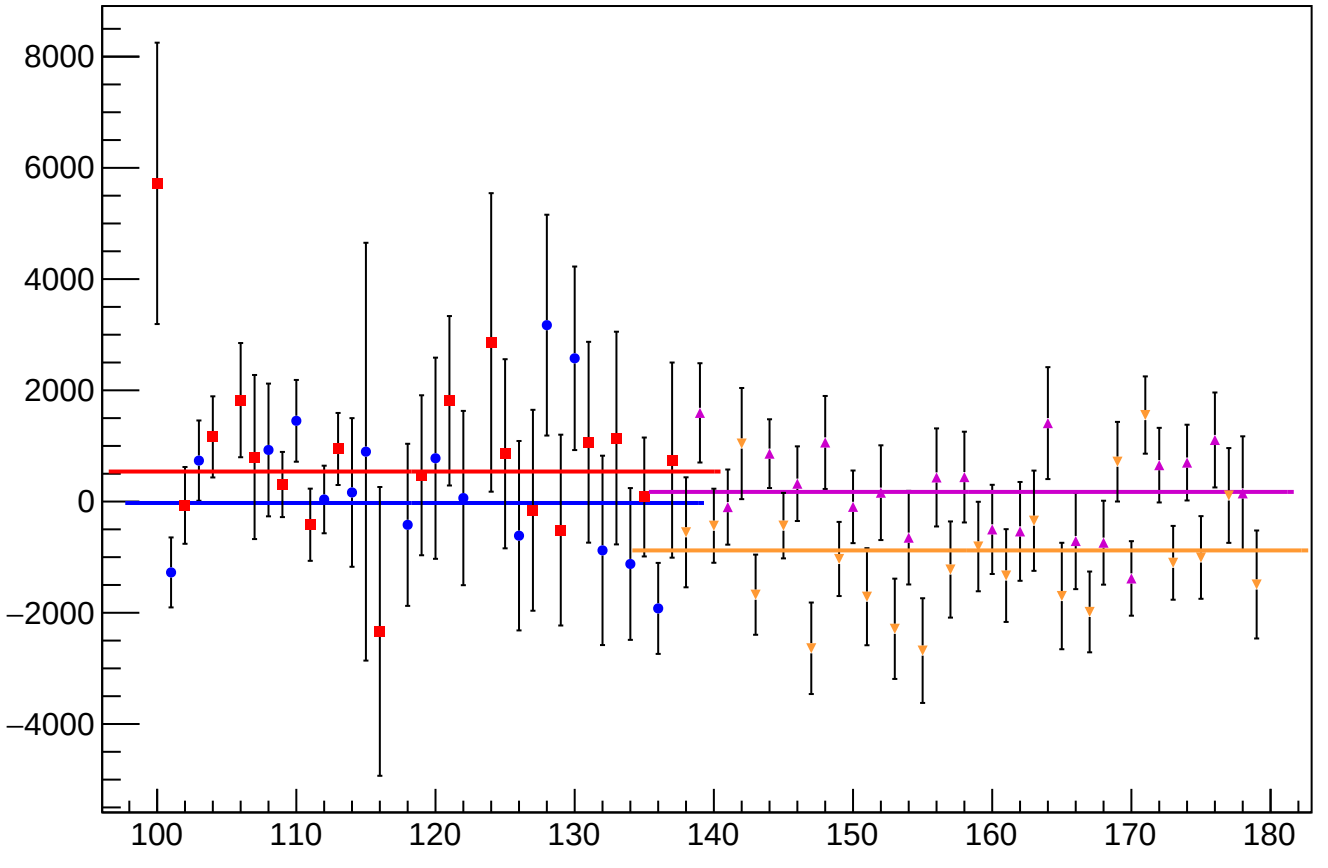
Left: 110.652+/-0.014 χ^2/NDF: 1288844.0/41

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 101.786+/-0.015 χ^2/NDF:1665189.4/35

Out: 100.438+/-0.015 χ^2/NDF:2445611.7/40

All: 101.089+/-0.011 χ^2/NDF: 4114843.8/76



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -878.785+/-167.677 χ^2/NDF:40.7/21

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.217+/-172.868 χ^2/NDF:19.5/19

Left: -368.817+/-120.359 χ^2/NDF: 79.2/41

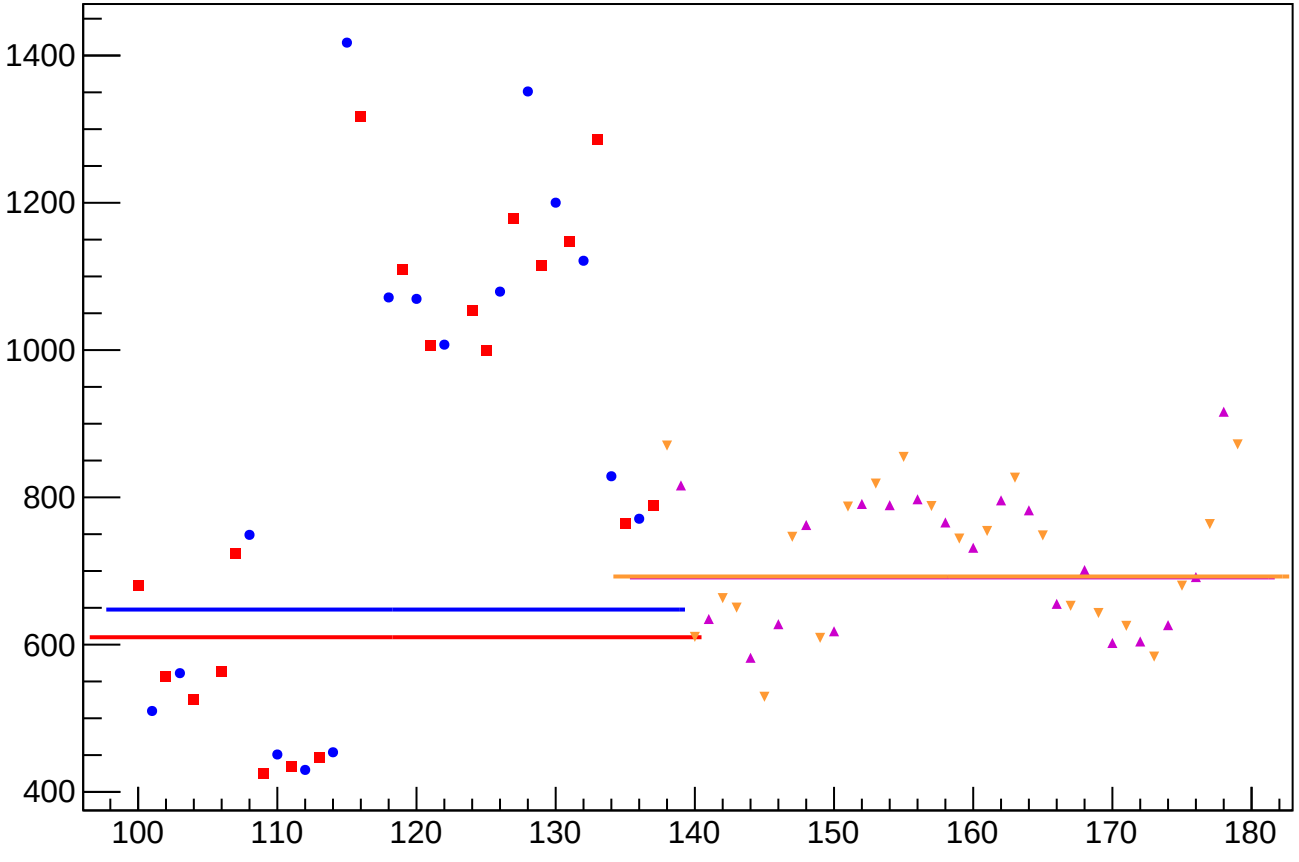
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 112.022+/-143.852 χ^2/NDF:41.5/35

Out: -416.741+/-137.685 χ^2/NDF:77.6/40

All: -163.937+/-99.467 χ^2/NDF: 126.1/76

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 692.535+/-0.119 χ^2/NDF:685292.5/21

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 691.288+/-0.122 χ^2/NDF:509442.3/19

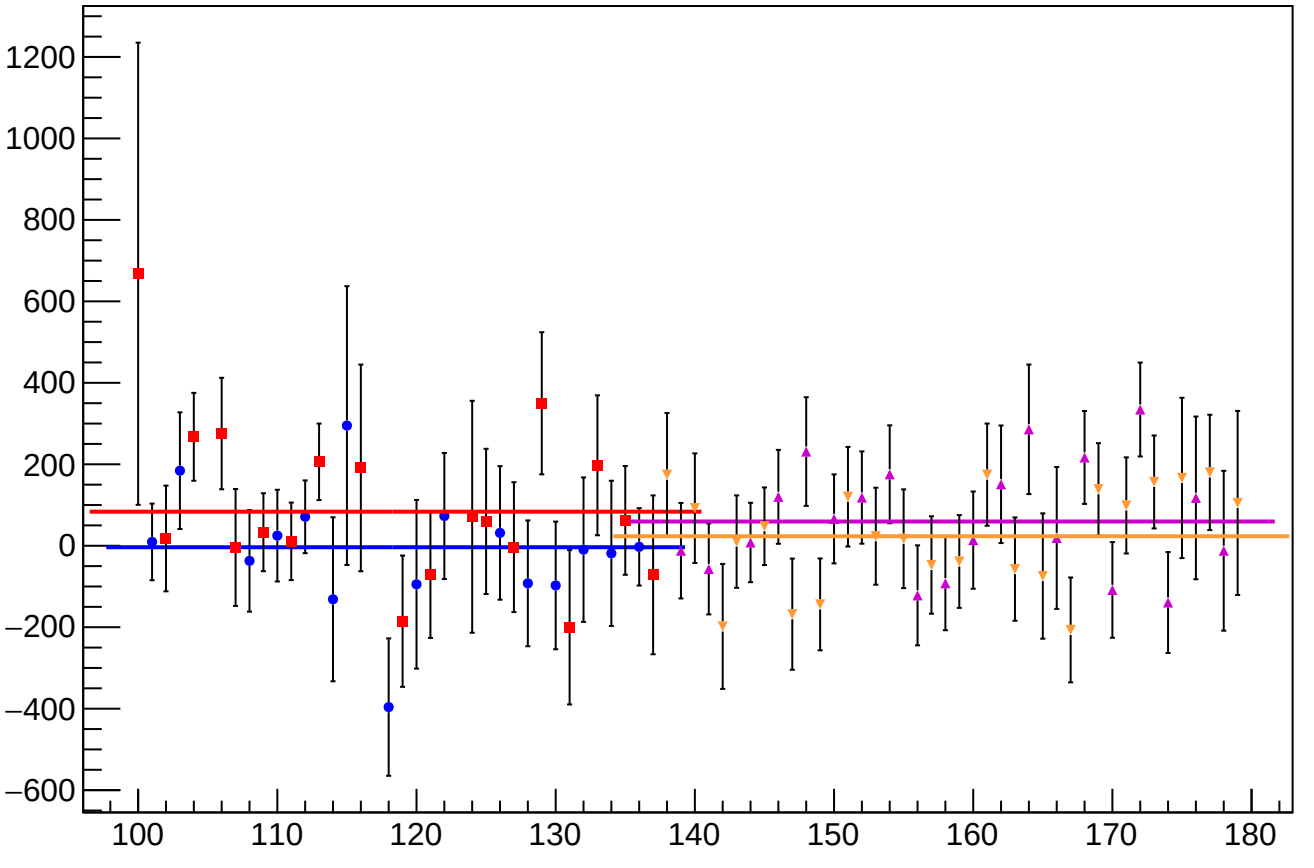
Left: 691.931+/-0.085 χ^2/NDF: 1194788.5/41

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 677.865+/-0.102 χ^2/NDF:2436468.8/35

Out: 665.670+/-0.097 χ^2/NDF:2917158.0/40

All: 671.500+/-0.070 χ^2/NDF: 5361128.9/76



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 23.377+/-27.070 χ^2/NDF:19.0/21

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 59.547+/-27.804 χ^2/NDF:23.8/19

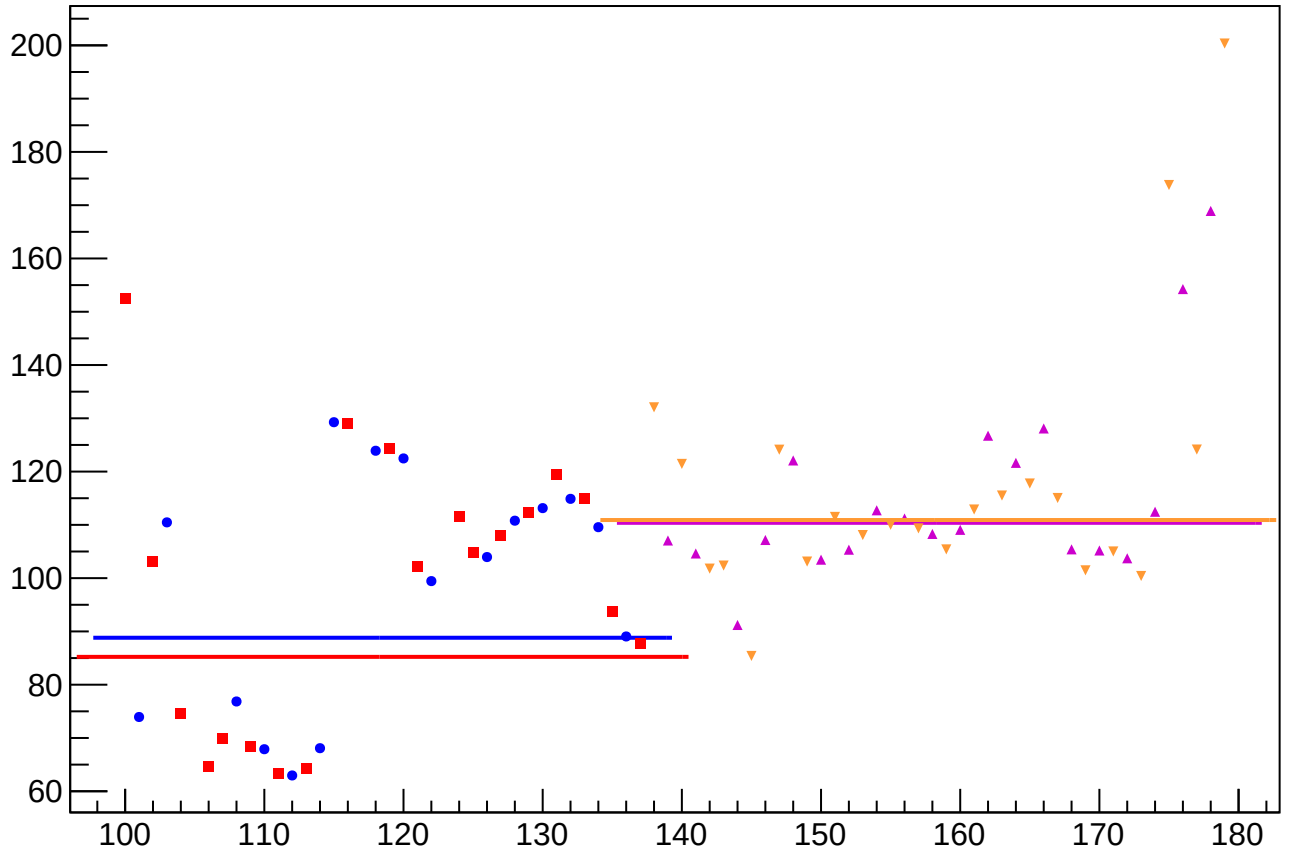
Left: 40.978+/-19.396 χ^2/NDF: 43.7/41

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.363+/-21.562 χ^2/NDF:36.2/35

Out: 47.957+/-20.835 χ^2/NDF:40.1/40

All: 41.393+/-14.983 χ^2/NDF: 76.5/76



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 110.907+/-0.019 χ^2/NDF:827721.0/21

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 110.384+/-0.020 χ^2/NDF:460740.7/19

Left: 110.653+/-0.014 χ^2/NDF: 1288825.0/41

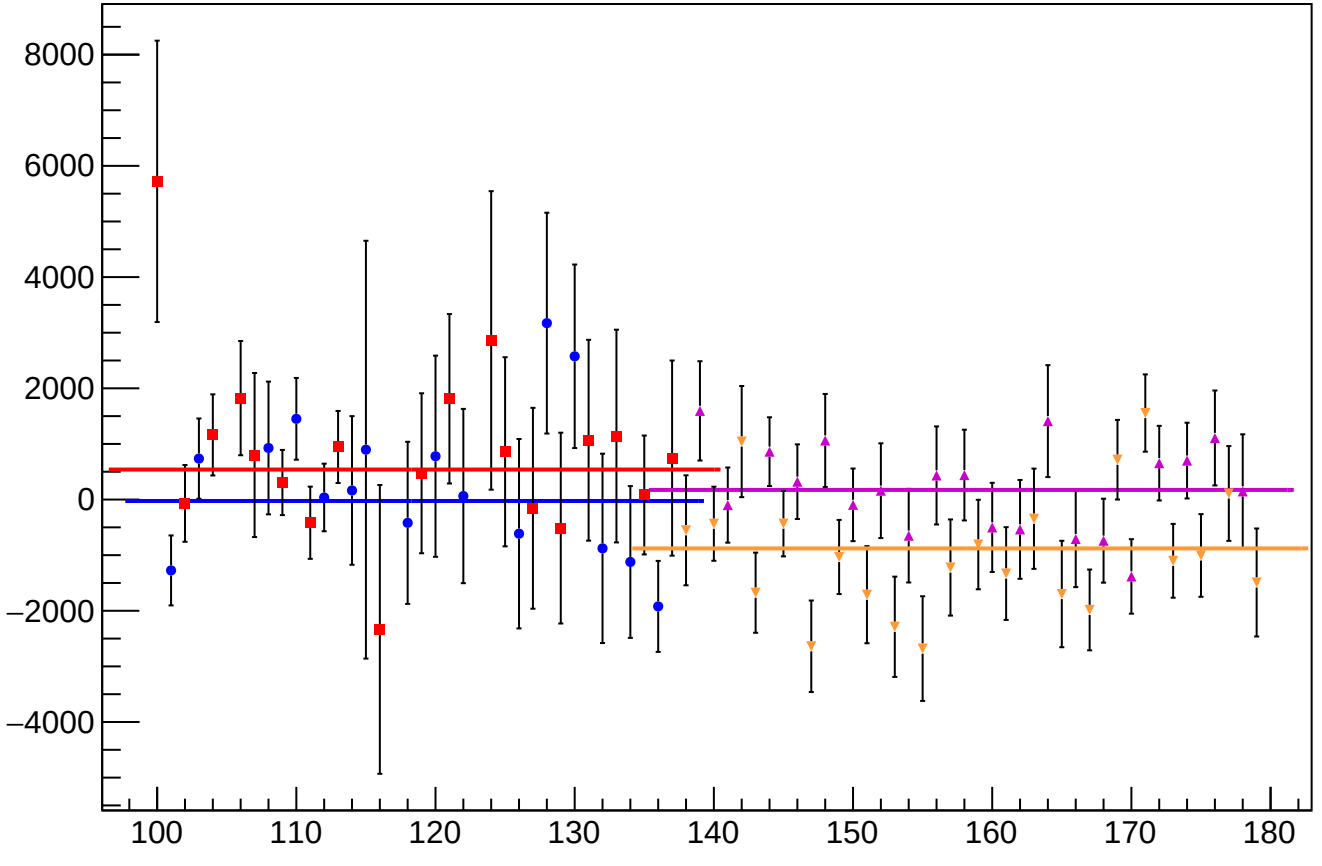
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 101.786+/-0.015 χ^2/NDF:1665182.3/35

Out: 100.438+/-0.015 χ^2/NDF:2445617.6/40

All: 101.089+/-0.011 χ^2/NDF: 4114842.9/76

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -878.783+/-167.677 χ^2/NDF:40.7/21

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.216+/-172.868 χ^2/NDF:19.5/19

Left: -368.816+/-120.359 χ^2/NDF: 79.2/41

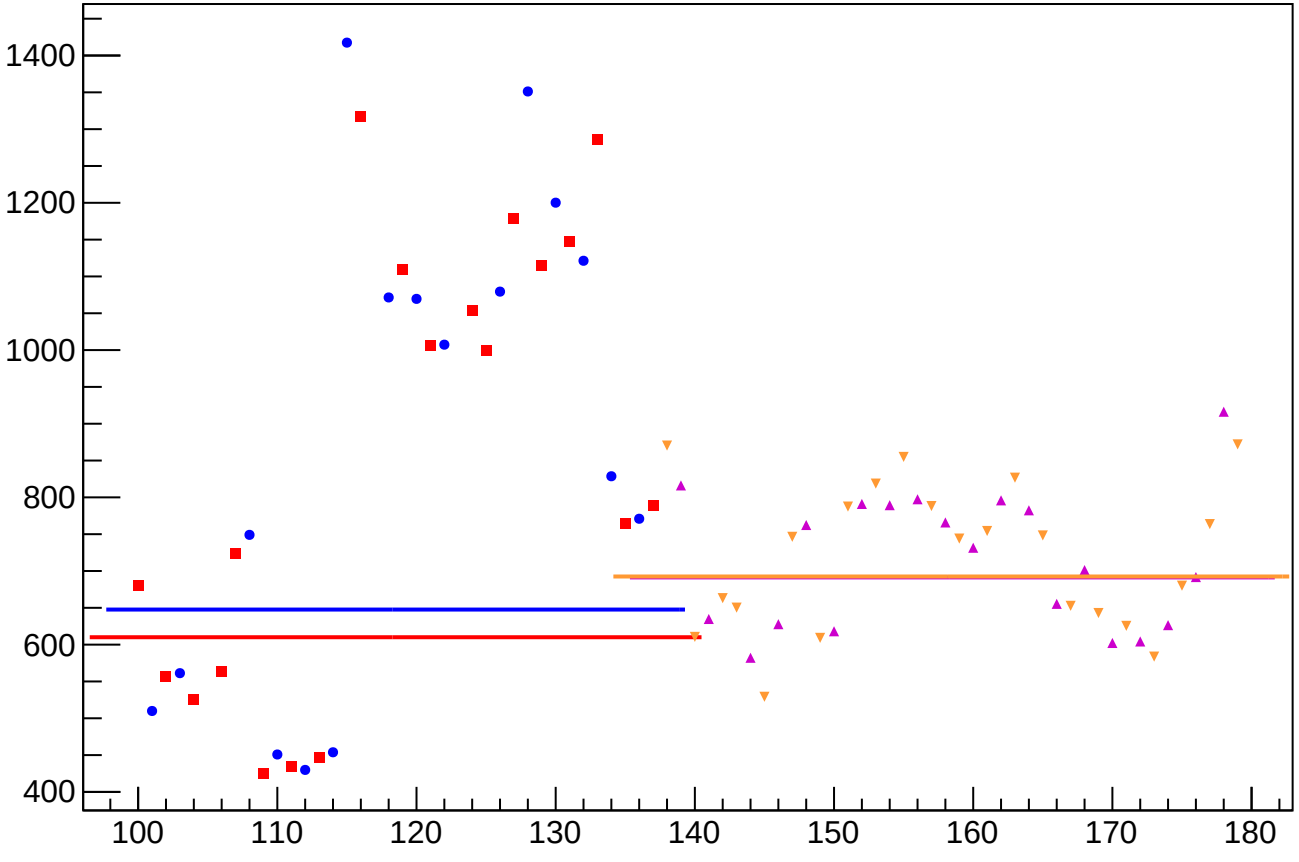
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 112.022+/-143.852 χ^2/NDF:41.5/35

Out: -416.740+/-137.685 χ^2/NDF:77.6/40

All: -163.937+/-99.466 χ^2/NDF: 126.1/76

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 692.535+/-0.119 χ^2/NDF:685291.1/21

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 691.287+/-0.122 χ^2/NDF:509438.5/19

Left: 691.930+/-0.085 χ^2/NDF: 1194783.3/41

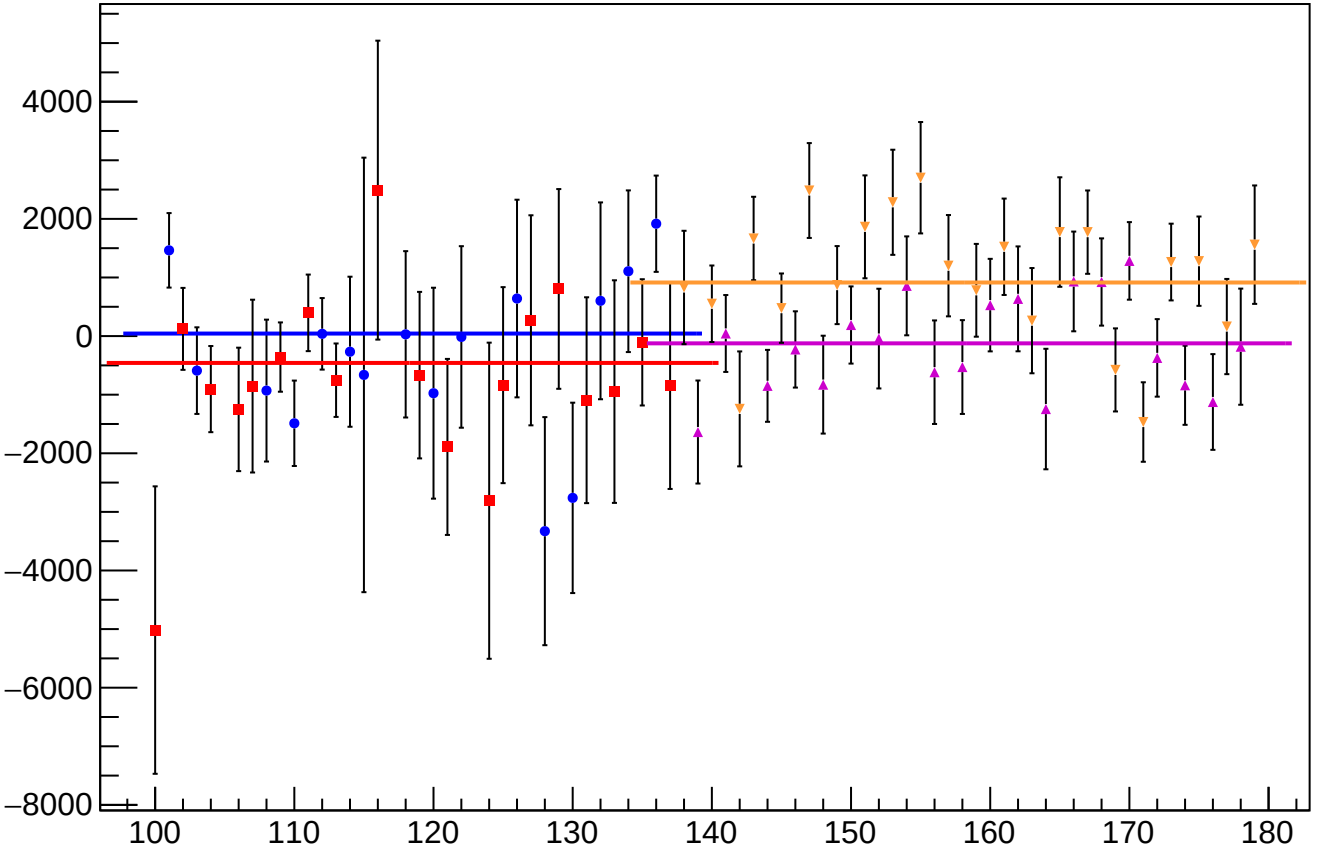
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 677.864+/-0.102 χ^2/NDF:2436470.0/35

Out: 665.669+/-0.097 χ^2/NDF:2917159.8/40

All: 671.500+/-0.070 χ^2/NDF: 5361132.0/76

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 914.320+/-166.202 χ^2/NDF:39.7/21

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -123.942+/-170.835 χ^2/NDF:20.7/19

Left: 409.459+/-119.127 χ^2/NDF: 79.4/41

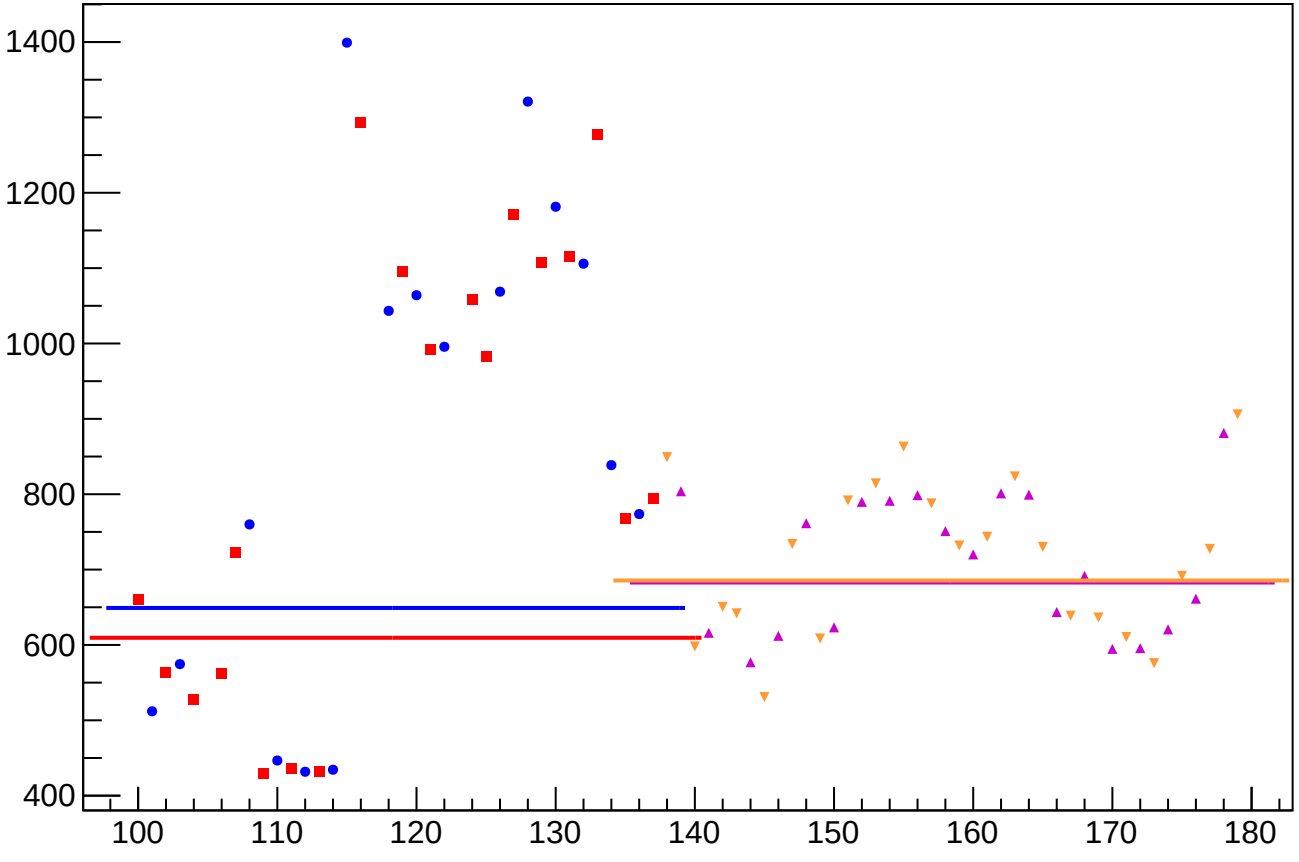
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -73.501+/-142.740 χ^2/NDF:44.2/35

Out: 472.266+/-136.842 χ^2/NDF:72.9/40

All: 210.890+/-98.781 χ^2/NDF: 124.7/76

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 685.517+/-0.118 χ^2/NDF:710327.4/21

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 682.817+/-0.121 χ^2/NDF:527640.3/19

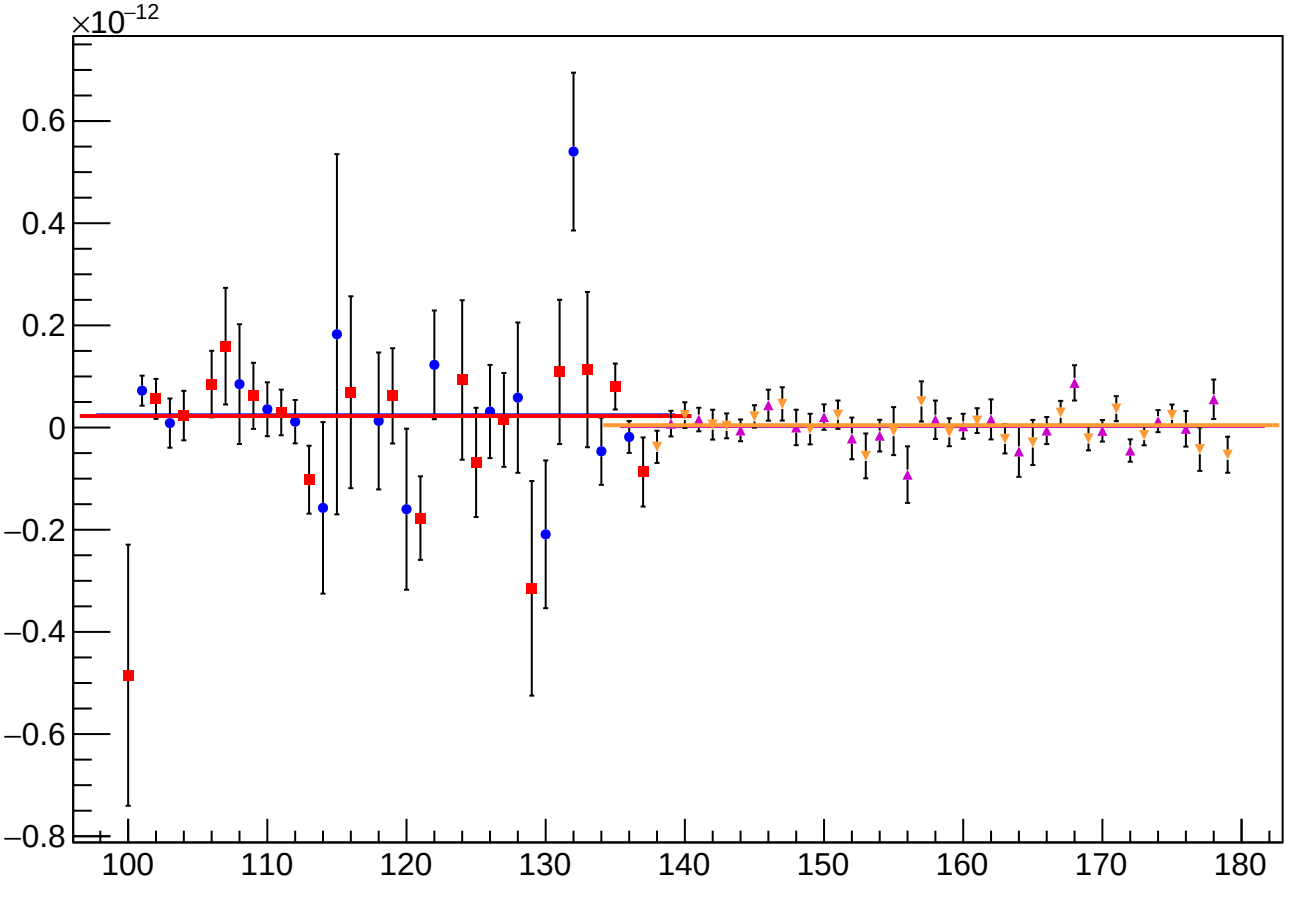
Left: 684.204+/-0.084 χ^2/NDF: 1238224.3/41

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 672.636+/-0.101 χ^2/NDF:2396987.1/35

Out: 661.038+/-0.097 χ^2/NDF:2888621.7/40

All: 666.592+/-0.070 χ^2/NDF: 5292489.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:20.8/19

Left: 0.000+/-0.000 χ^2/NDF: 41.3/41

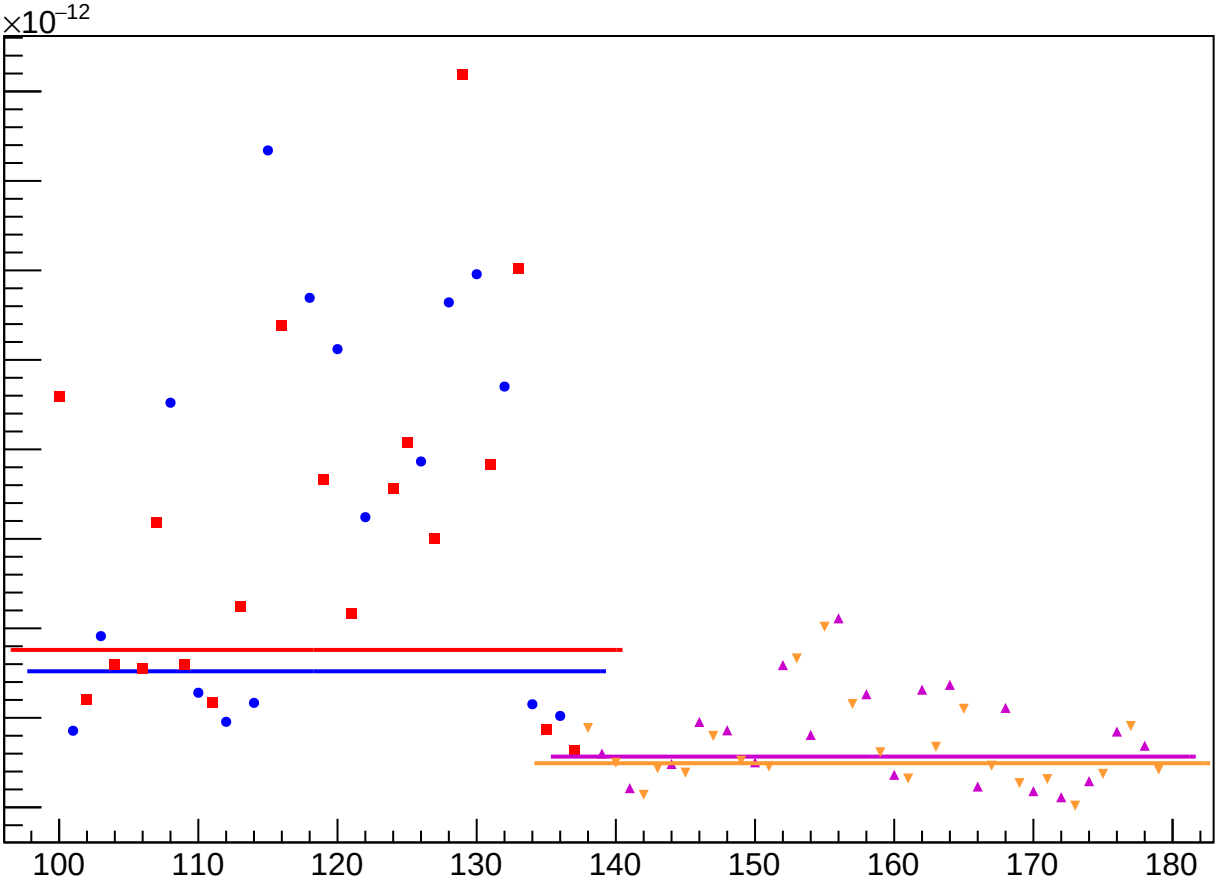
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:46.1/35

Out: 0.000+/-0.000 χ^2/NDF:47.2/40

All: 0.000+/-0.000 χ^2/NDF: 93.3/76

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:724024.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:880564.5/19

Left: 0.000+/-0.000 χ^2/NDF: 1619187.8/41

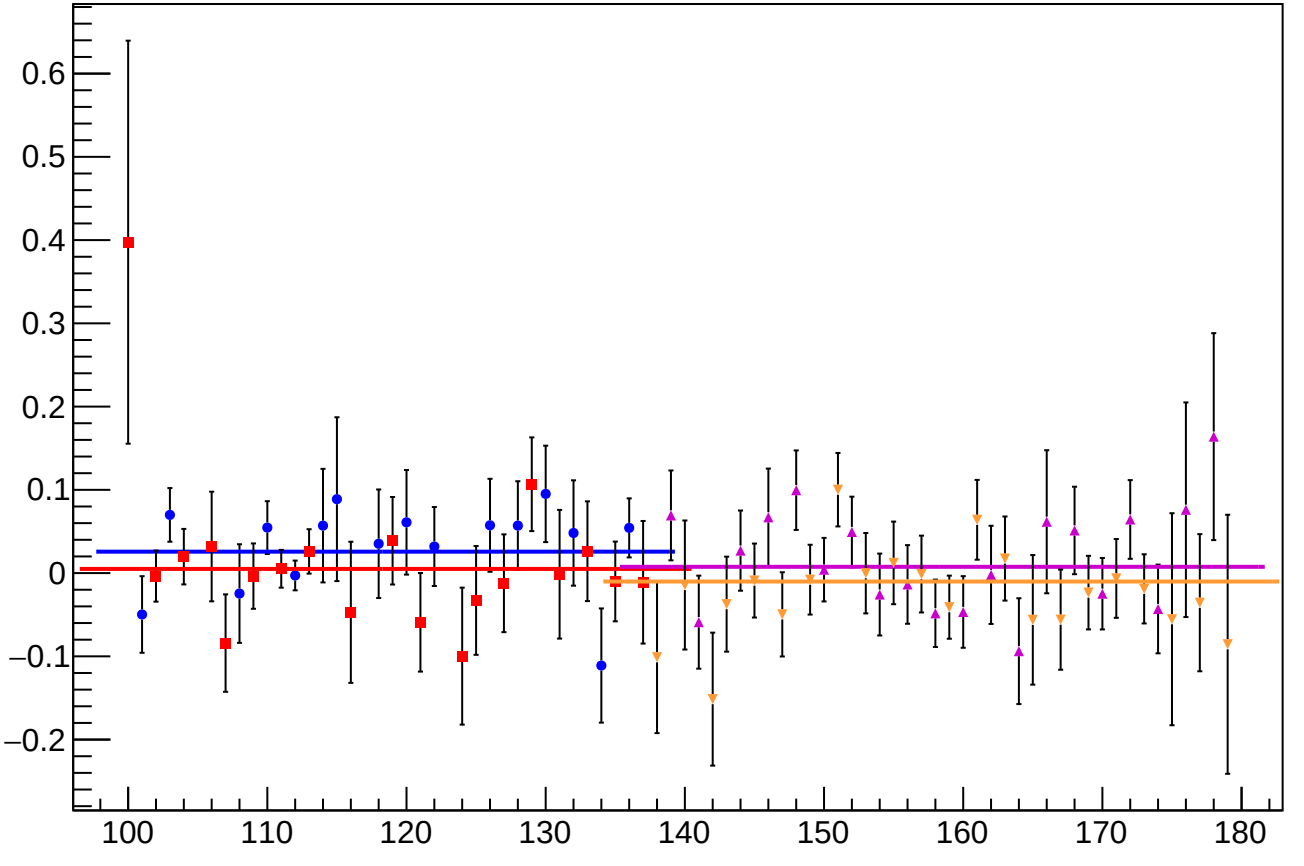
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2862222.0/35

Out: 0.000+/-0.000 χ^2/NDF:2775678.4/40

All: 0.000+/-0.000 χ^2/NDF: 5653175.8/76

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.8/41

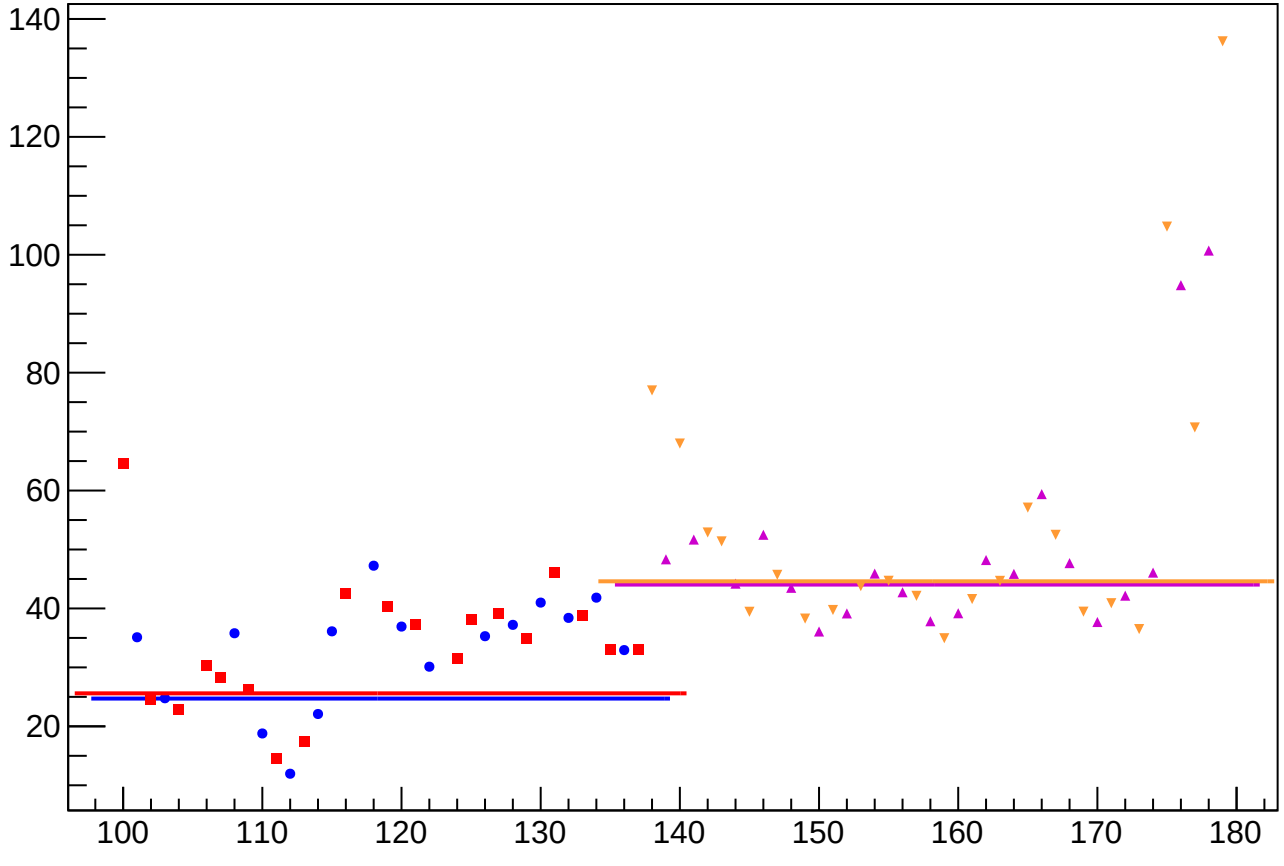
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 73.3/76

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268201.4/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.048+/-0.008 χ^2/NDF:1143741.4/19

Left: 44.330+/-0.006 χ^2/NDF: 3414316.2/41

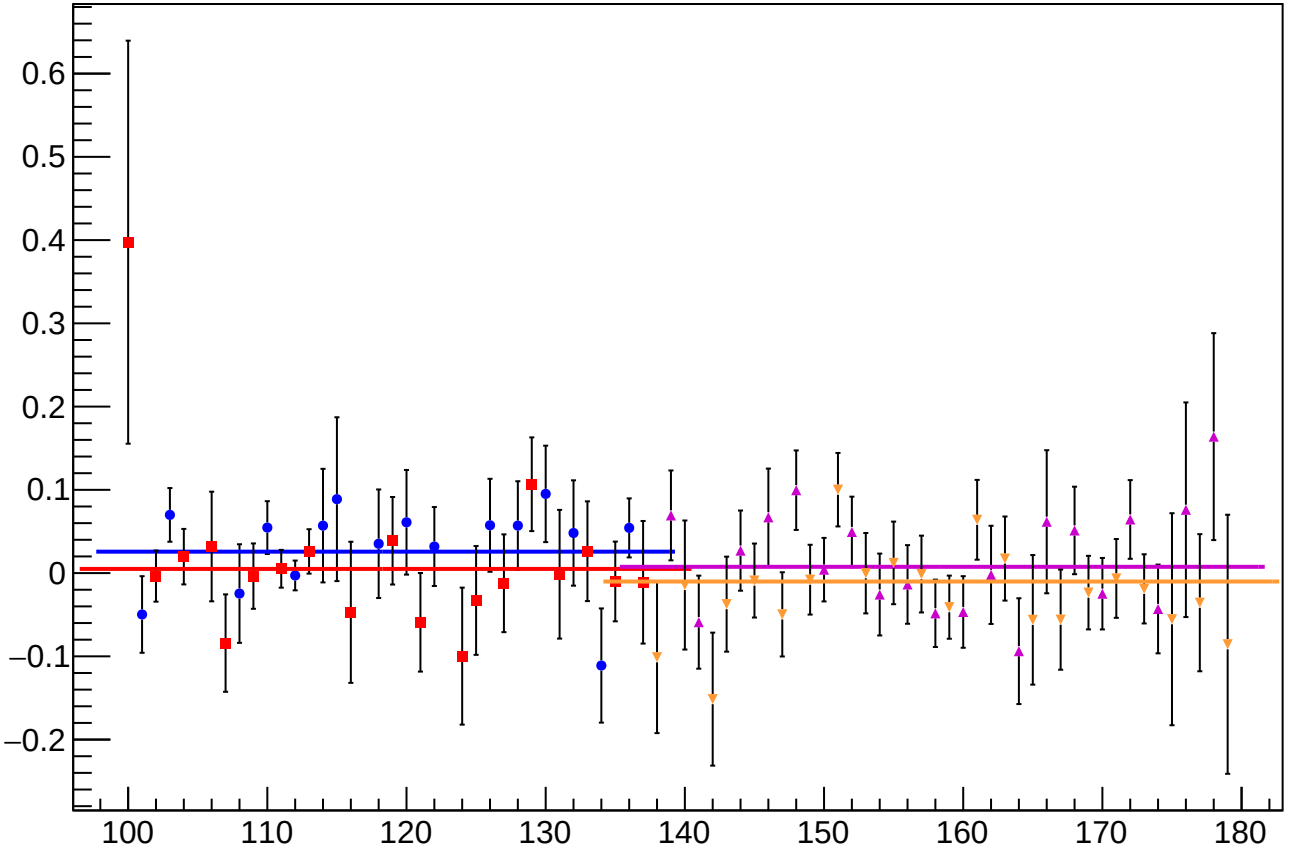
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.385+/-0.005 χ^2/NDF:6565558.5/35

Out: 34.241+/-0.005 χ^2/NDF:6941730.1/40

All: 33.815+/-0.004 χ^2/NDF: 13519757.1/76

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.8/41

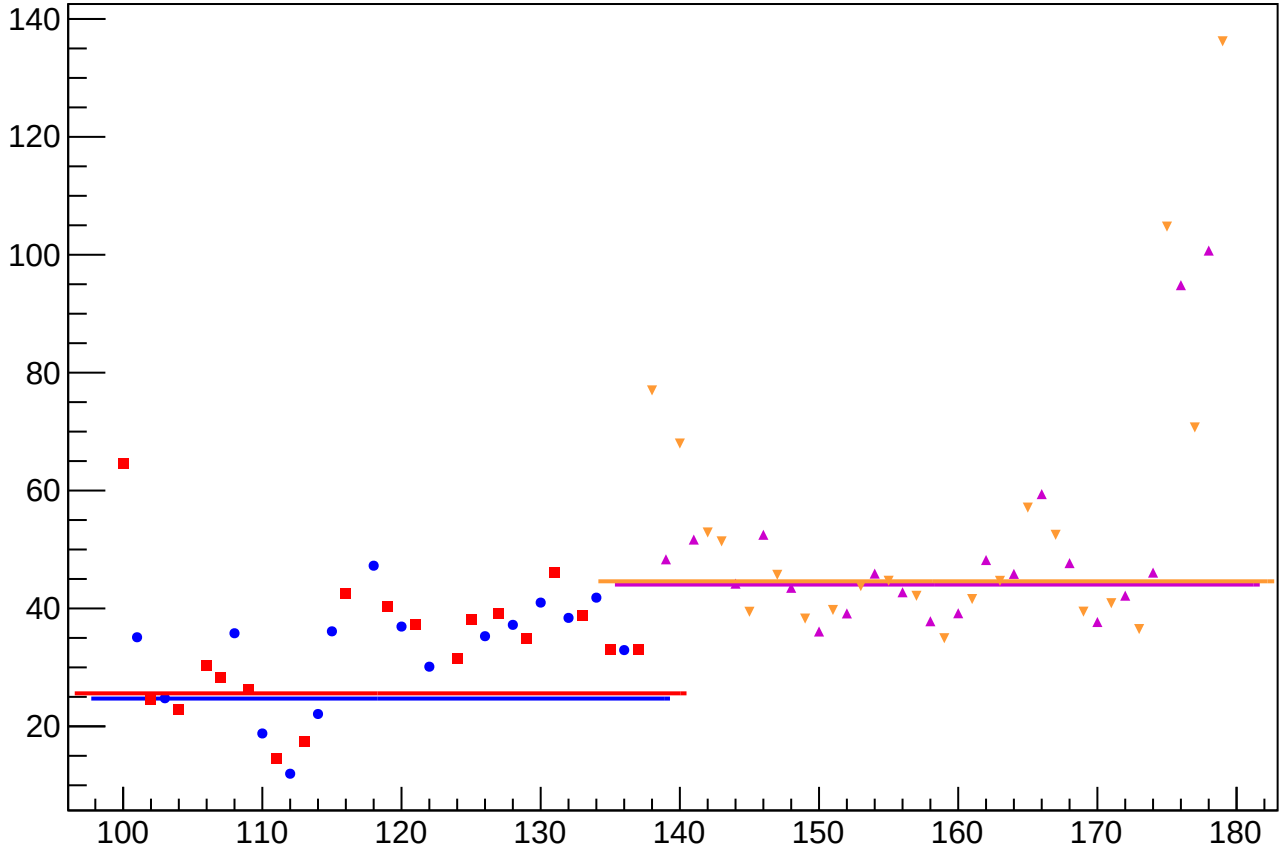
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 73.3/76

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268201.4/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 44.048+/-0.008 χ^2/NDF:1143741.4/19

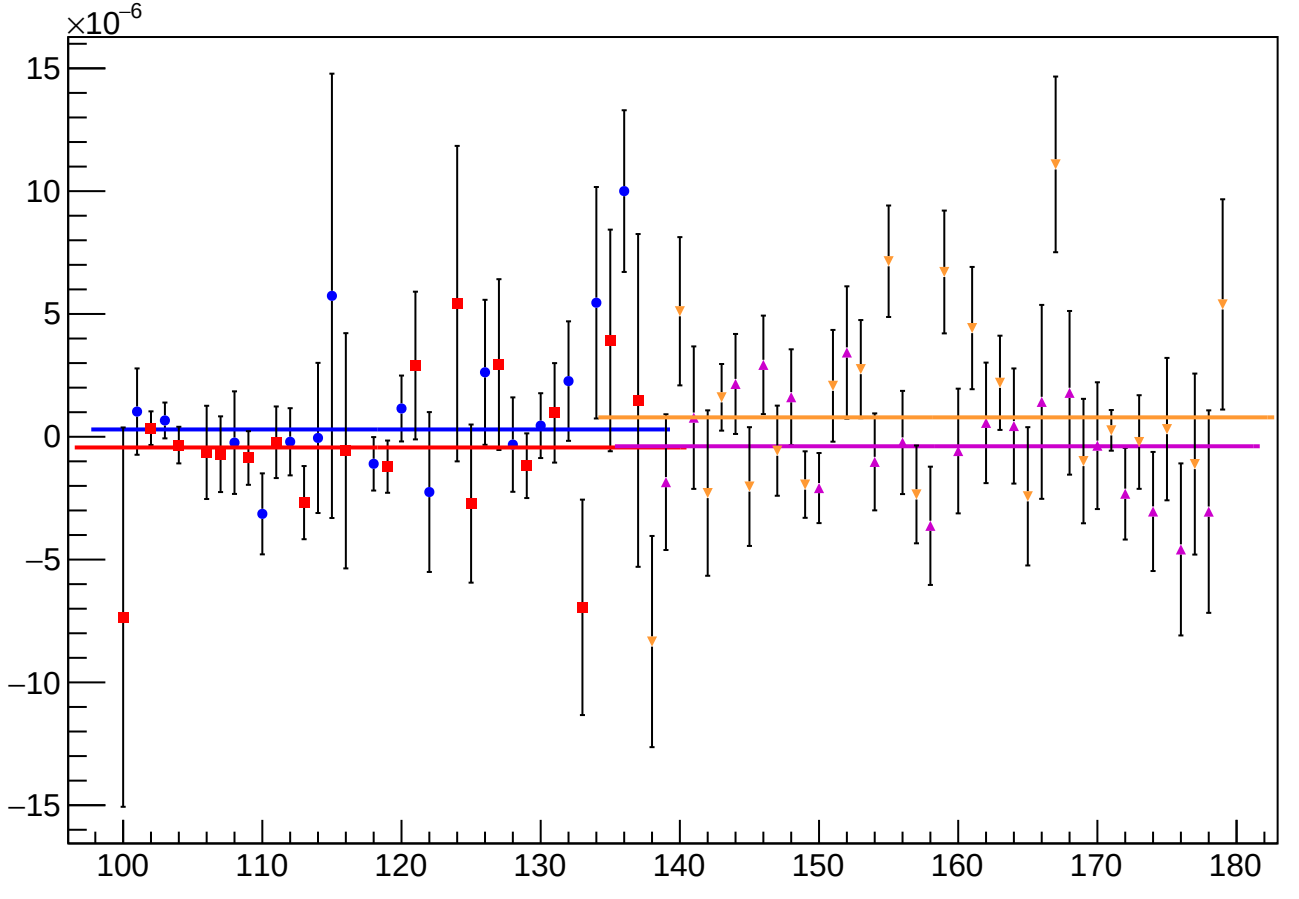
Left: 44.330+/-0.006 χ^2/NDF: 3414316.2/41

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.385+/-0.005 χ^2/NDF:6565558.5/35

Out: 34.241+/-0.005 χ^2/NDF:6941730.1/40

All: 33.815+/-0.004 χ^2/NDF: 13519757.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/19

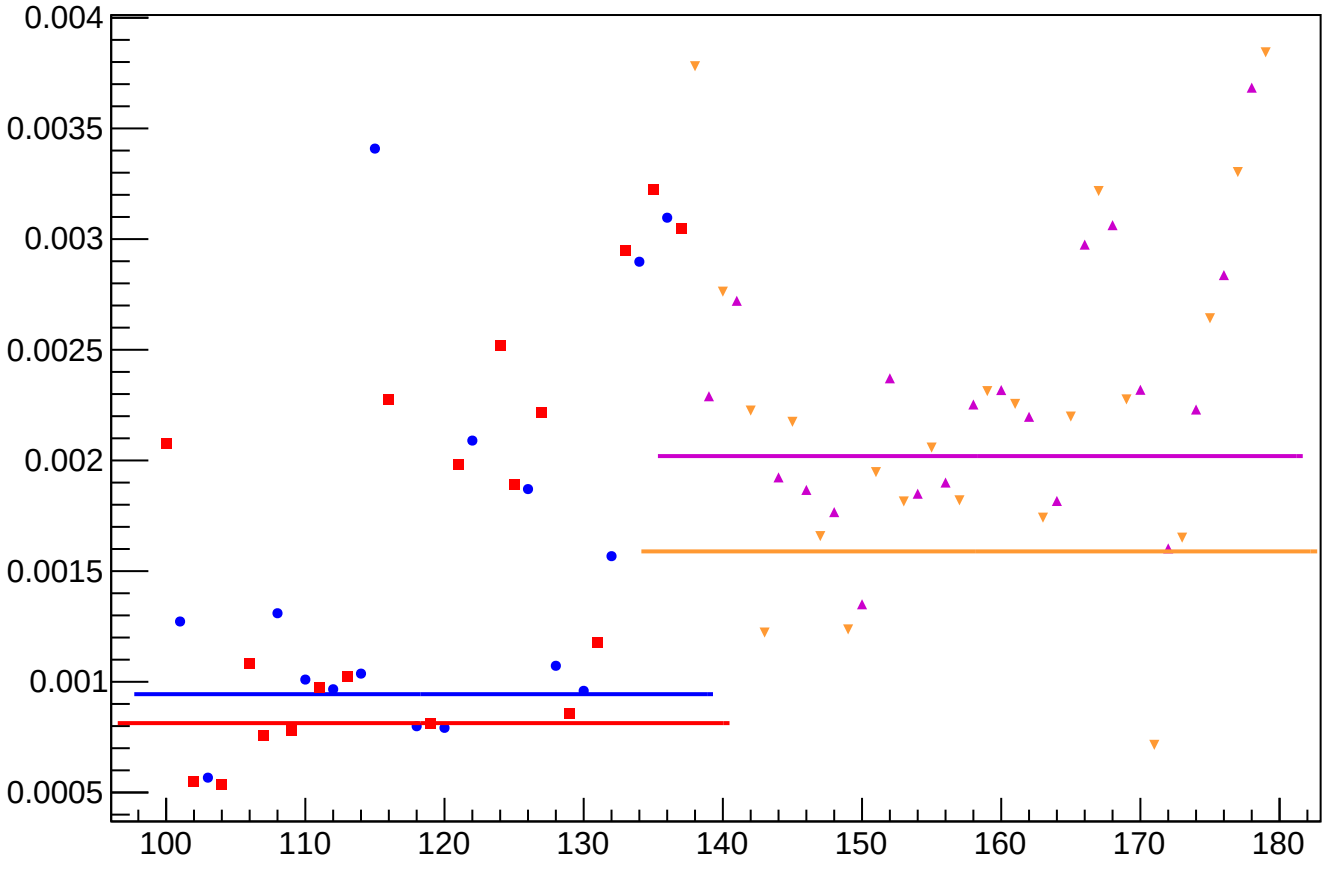
Left: 0.000+/-0.000 χ^2/NDF: 65.1/41

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:36.5/35

Out: 0.000+/-0.000 χ^2/NDF:63.7/40

All: 0.000+/-0.000 χ^2/NDF: 100.2/76



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:5943953.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1643666.4/19

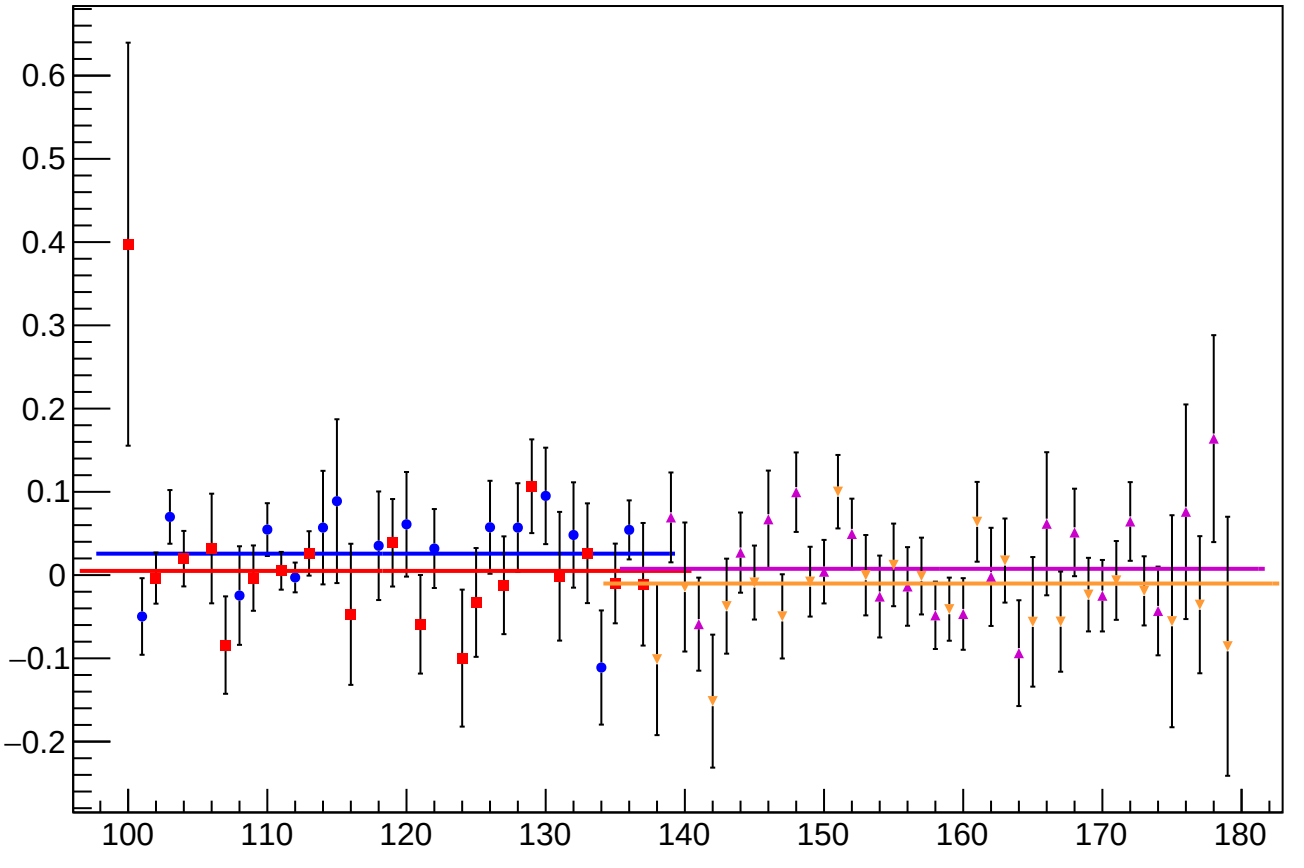
Left: 0.002+/-0.000 χ^2/NDF: 8414938.1/41

Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:9669740.3/35

Out: 0.001+/-0.000 χ^2/NDF:13284457.6/40

All: 0.001+/-0.000 χ^2/NDF: 23542876.3/76



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.8/41

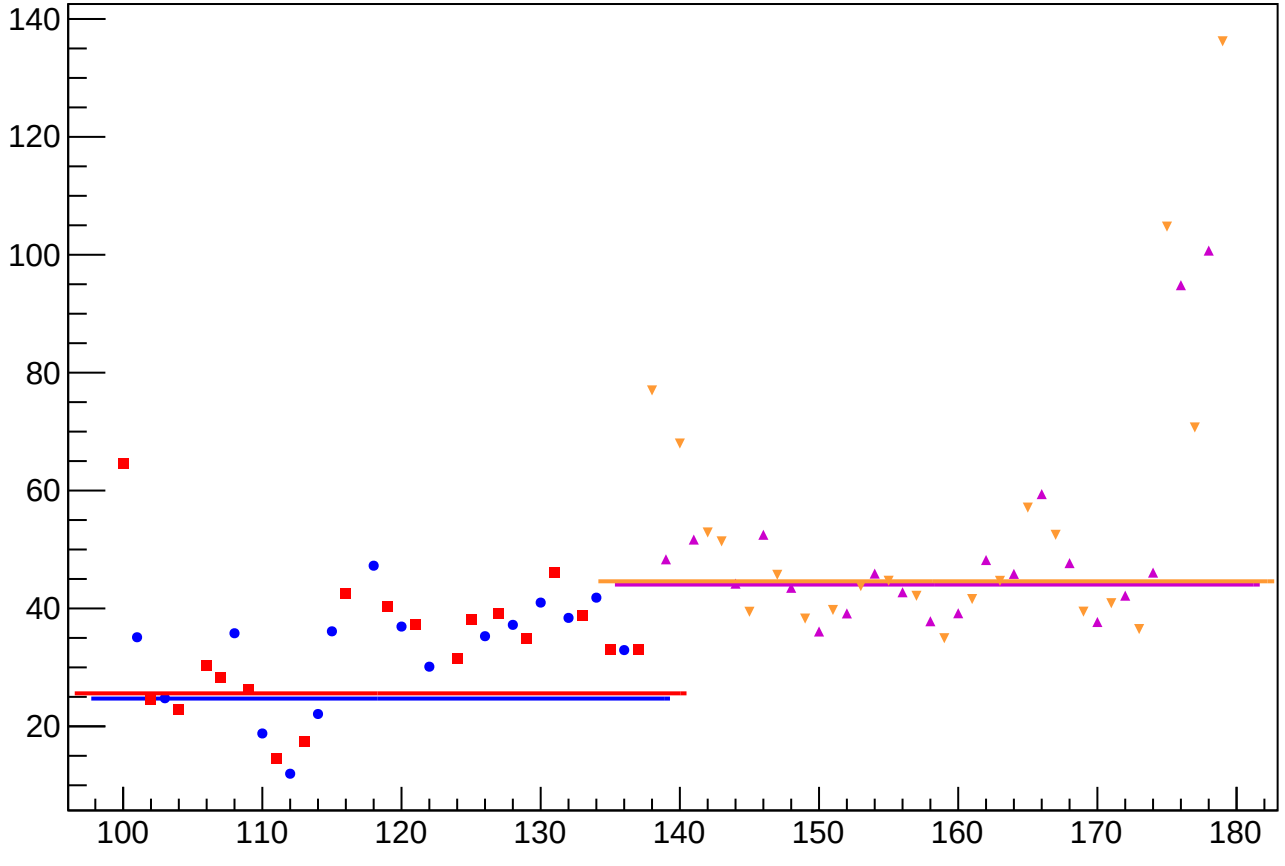
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 73.3/76

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268146.0/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.049+/-0.008 χ^2/NDF:1143678.4/19

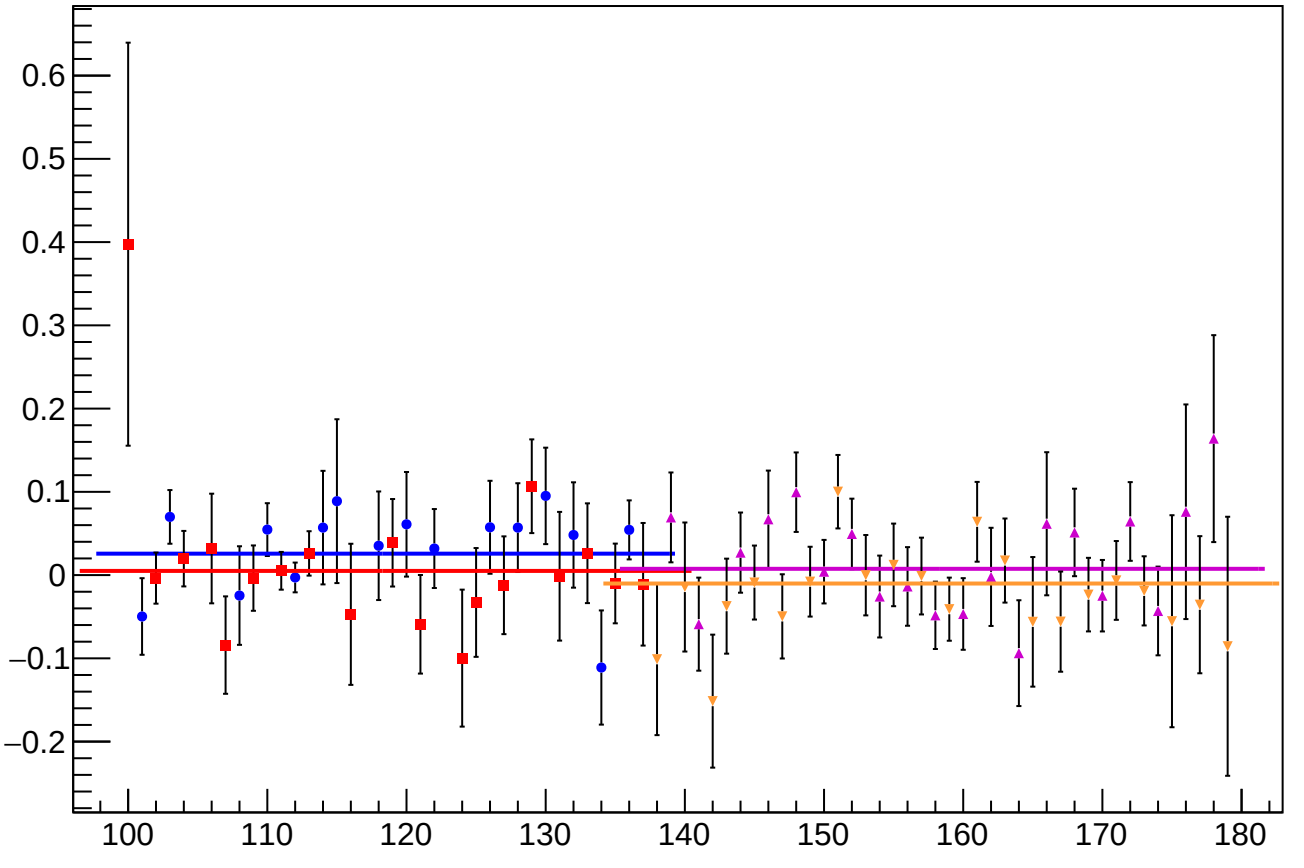
Left: 44.330+/-0.006 χ^2/NDF: 3414197.4/41

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.384+/-0.005 χ^2/NDF:6566000.7/35

Out: 34.240+/-0.005 χ^2/NDF:6942083.8/40

All: 33.815+/-0.004 χ^2/NDF: 13520556.7/76



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.4/21

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.8/41

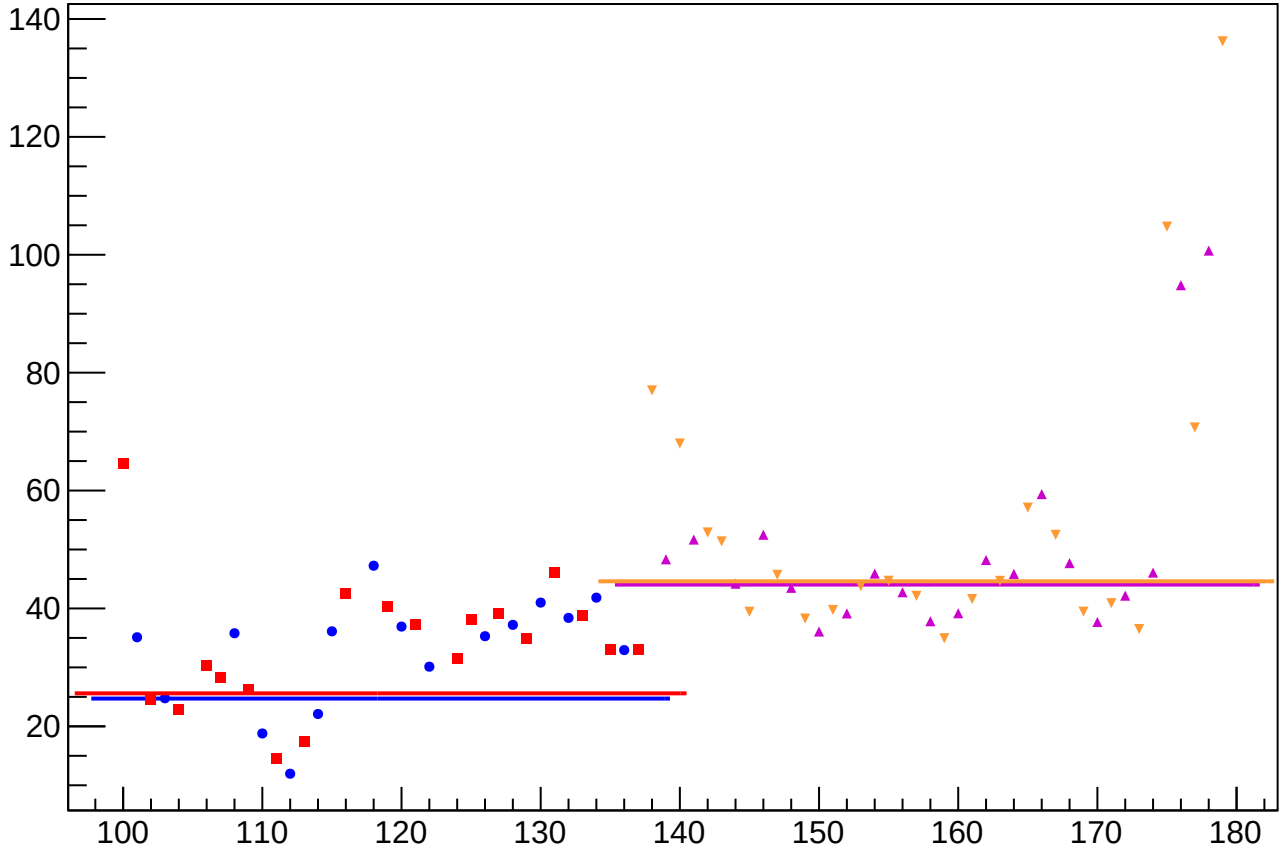
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:31.0/40

All: 0.008+/-0.005 χ^2/NDF: 73.3/76

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.604+/-0.008 χ^2/NDF:2268146.0/21

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.049+/-0.008 χ^2/NDF:1143678.4/19

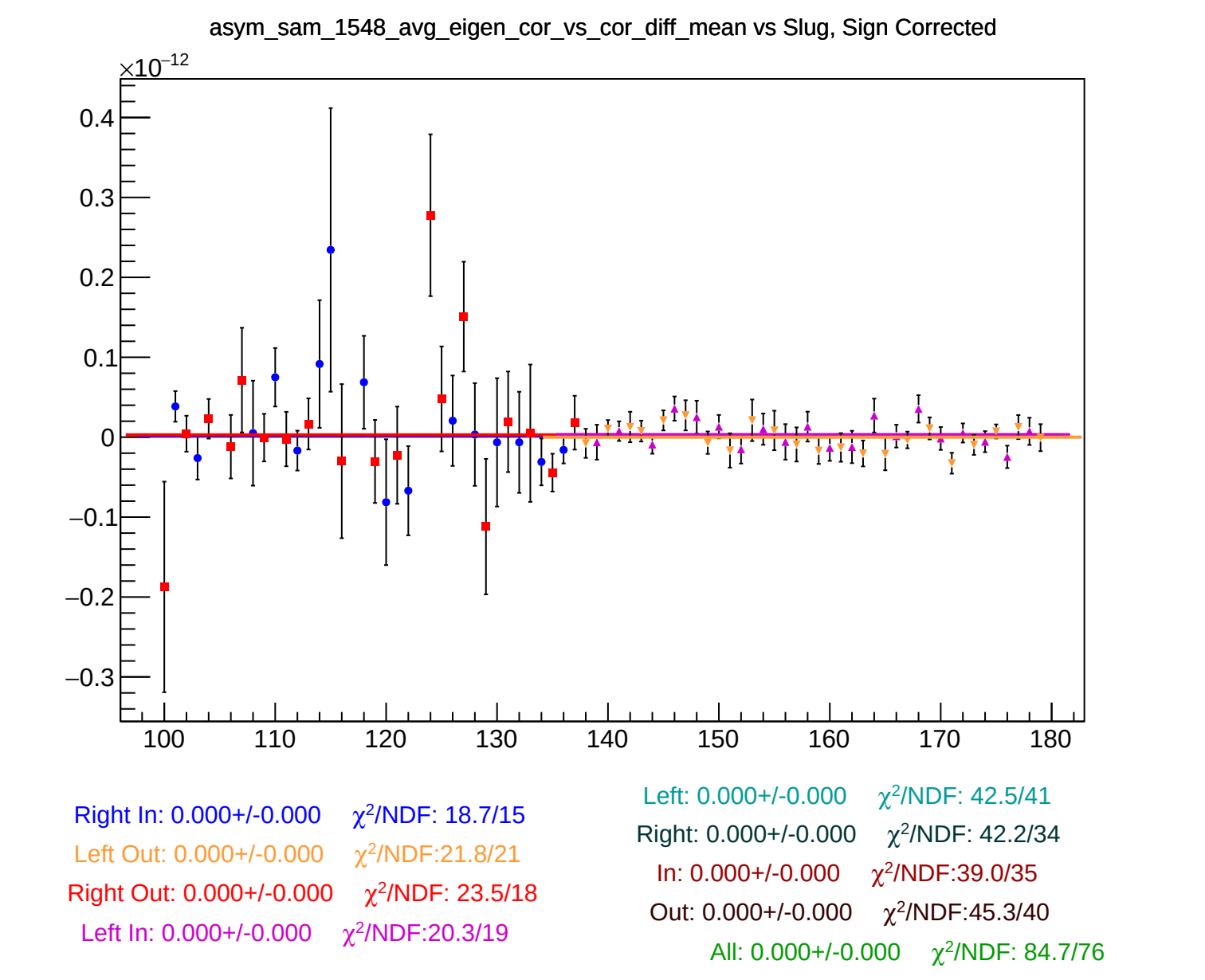
Left: 44.330+/-0.006 χ^2/NDF: 3414197.4/41

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

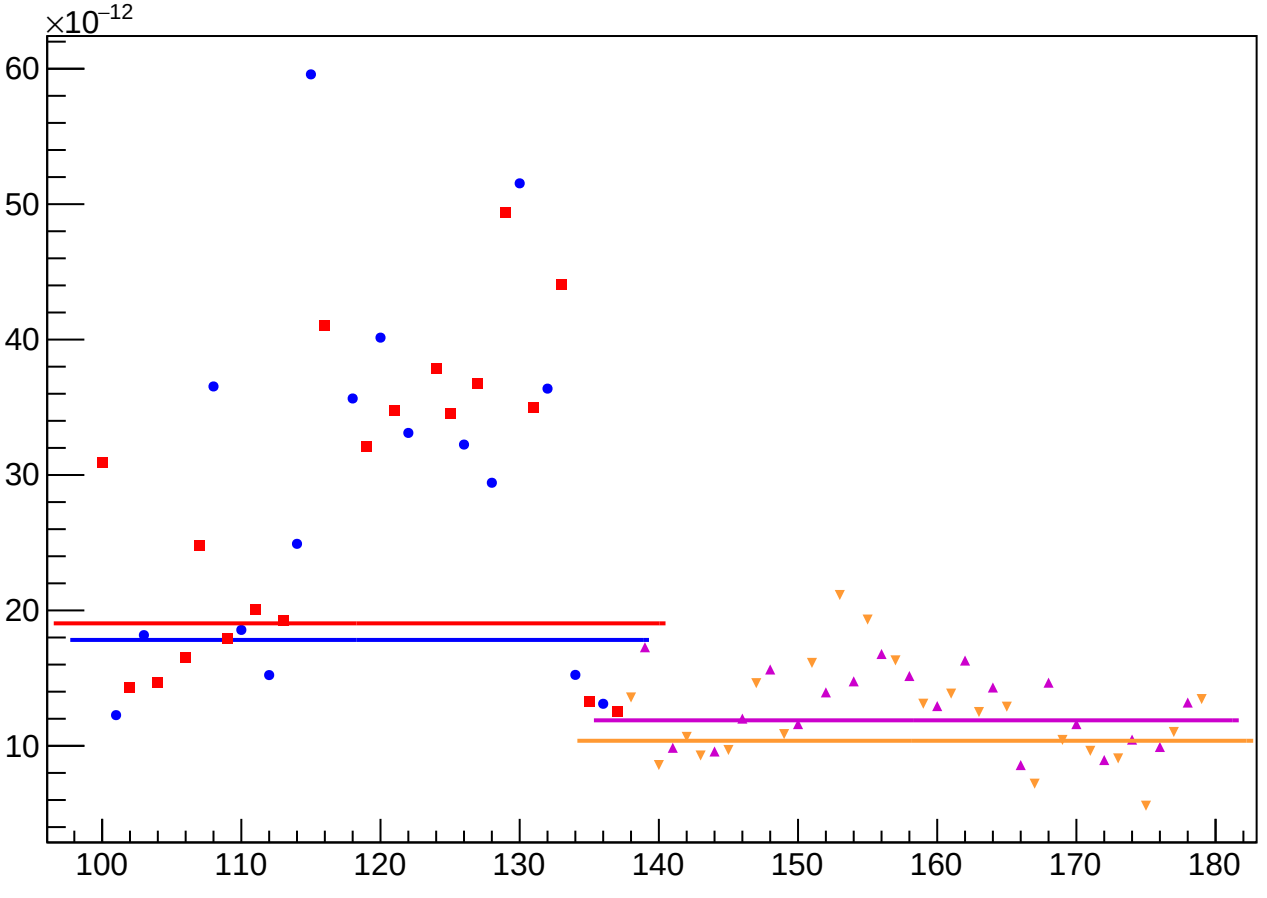
In: 33.384+/-0.005 χ^2/NDF:6566000.7/35

Out: 34.240+/-0.005 χ^2/NDF:6942083.8/40

All: 33.815+/-0.004 χ^2/NDF: 13520556.7/76


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:21.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:20.3/19
Left: 0.000+/-0.000 χ²/NDF: 42.5/41
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:39.0/35
Out: 0.000+/-0.000 χ²/NDF:45.3/40
All: 0.000+/-0.000 χ²/NDF: 84.7/76

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2215277.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1037794.4/19

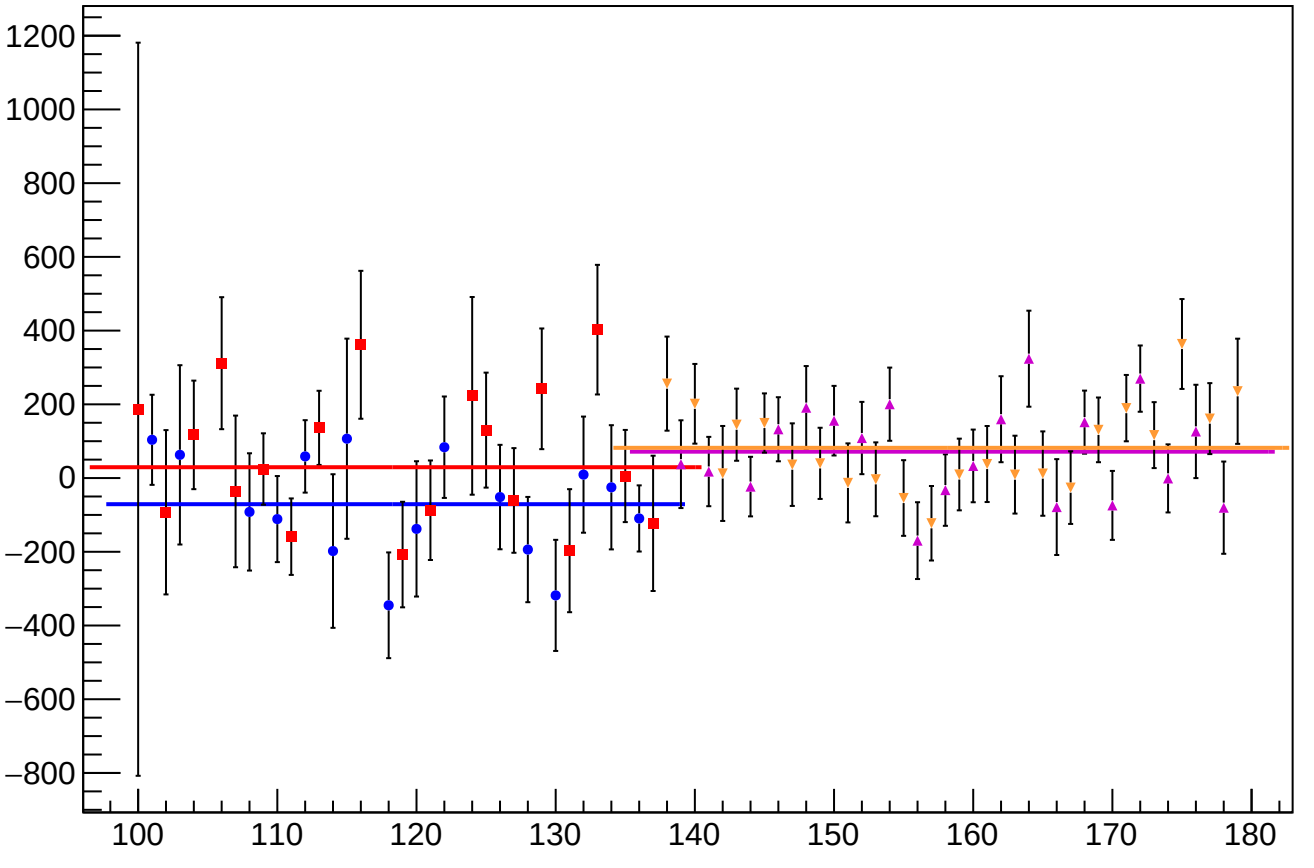
Left: 0.000+/-0.000 χ^2/NDF: 3459383.8/41

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3712654.0/35

Out: 0.000+/-0.000 χ^2/NDF:5448644.6/40

All: 0.000+/-0.000 χ^2/NDF: 9374851.8/76



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.022+/-21.798 χ^2/NDF:24.1/21

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 71.570+/-22.493 χ^2/NDF:28.8/19

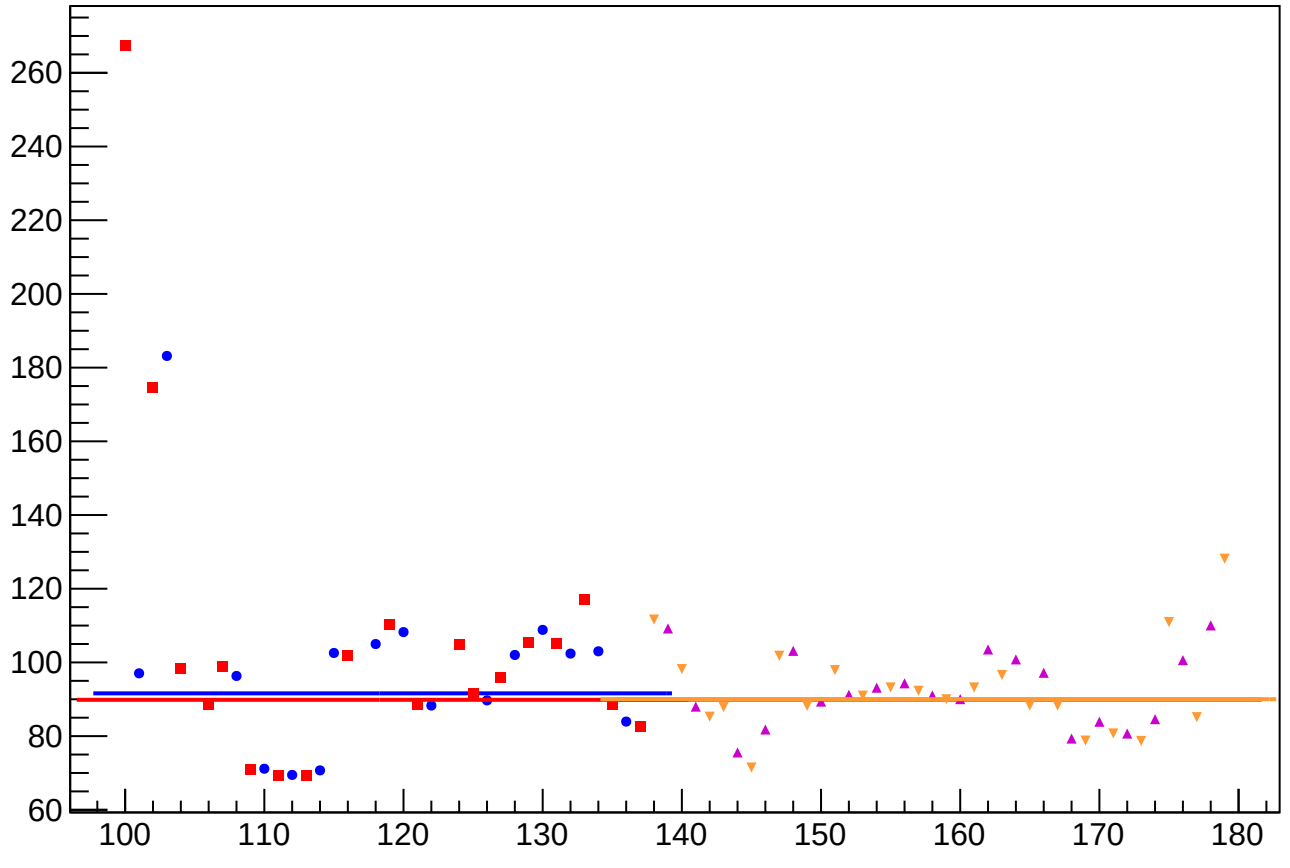
Left: 76.960+/-15.654 χ^2/NDF: 53.0/41

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 30.134+/-18.942 χ^2/NDF:54.5/35

Out: 66.850+/-18.389 χ^2/NDF:49.8/40

All: 49.036+/-13.194 χ^2/NDF: 106.2/76



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

Left: 89.969+/-0.011 χ^2/NDF: 867395.0/41

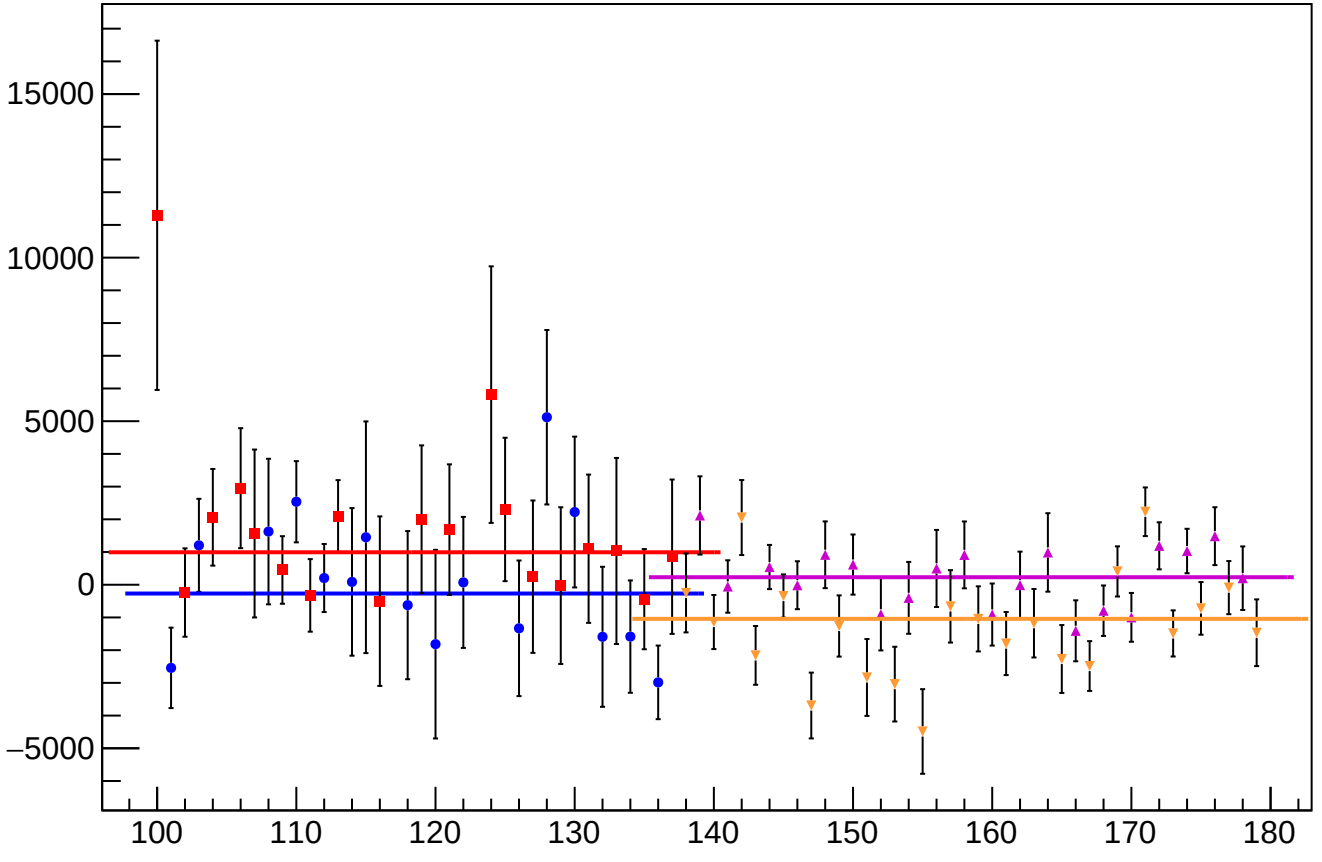
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.405+/-0.013 χ^2/NDF:931715.5/35

Out: 89.974+/-0.013 χ^2/NDF:1265957.6/40

All: 90.183+/-0.009 χ^2/NDF: 2198206.8/76

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1042.864+/-193.605 χ^2/NDF:60.7/21

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 229.880+/-197.622 χ^2/NDF:20.1/19

Left: -419.561+/-138.298 χ^2/NDF: 101.9/41

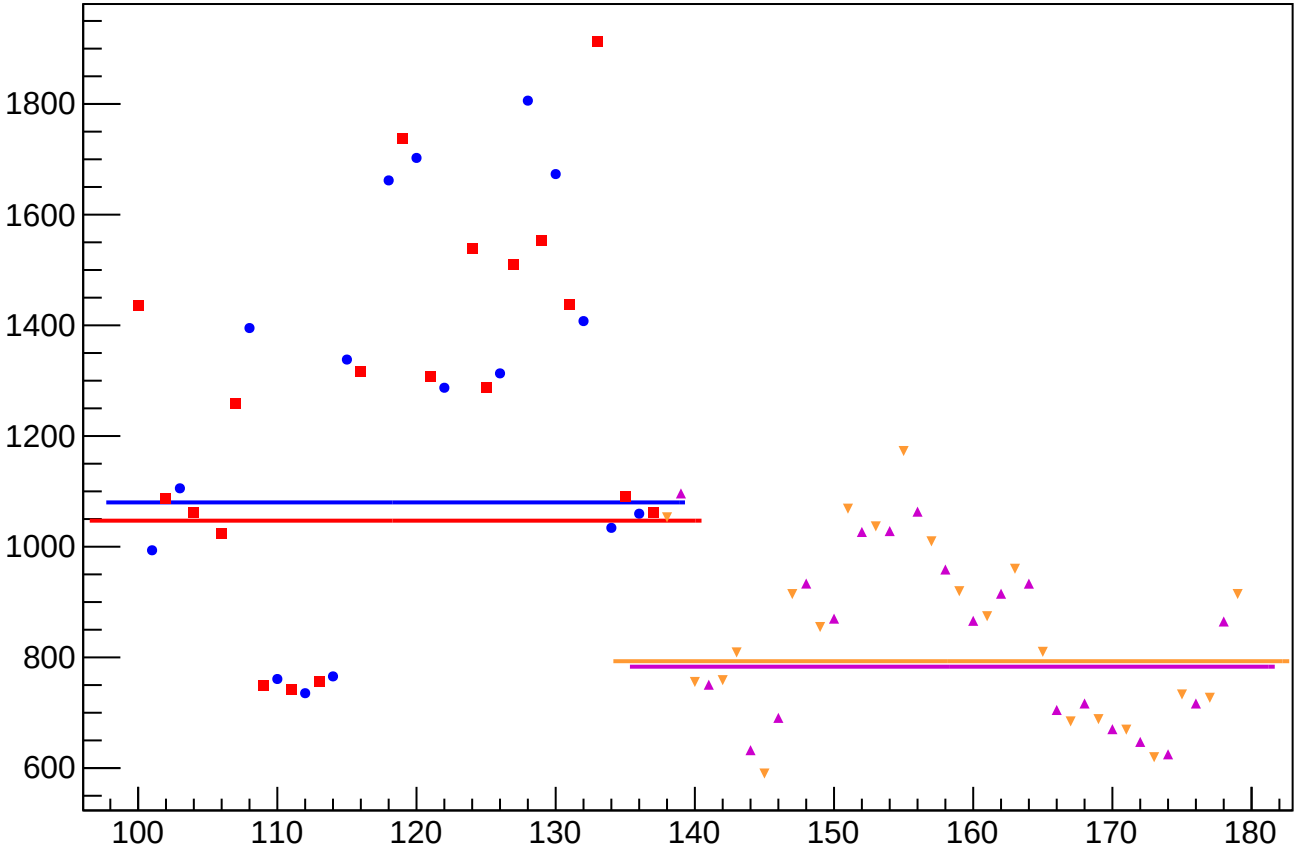
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 139.394+/-178.784 χ^2/NDF:44.7/35

Out: -657.802+/-174.333 χ^2/NDF:94.3/40

All: -269.249+/-124.816 χ^2/NDF: 149.1/76

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181758.3/21

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 783.206+/-0.140 χ^2/NDF:1061732.9/19

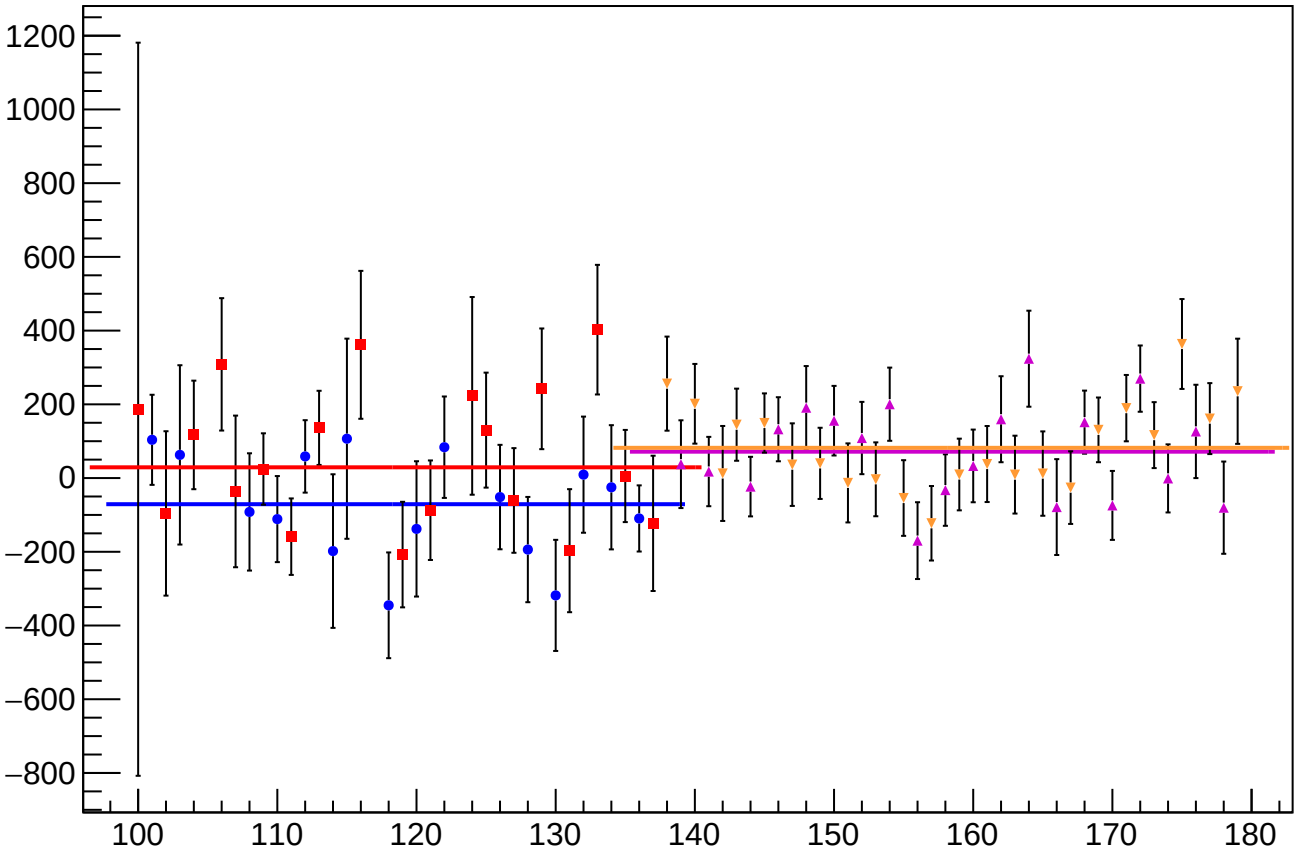
Left: 788.261+/-0.098 χ^2/NDF: 2246056.3/41

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 837.101+/-0.126 χ^2/NDF:2934481.4/35

Out: 841.154+/-0.123 χ^2/NDF:3031376.6/40

All: 839.179+/-0.088 χ^2/NDF: 5966384.7/76



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 71.571+/-22.493 χ^2/NDF:28.8/19

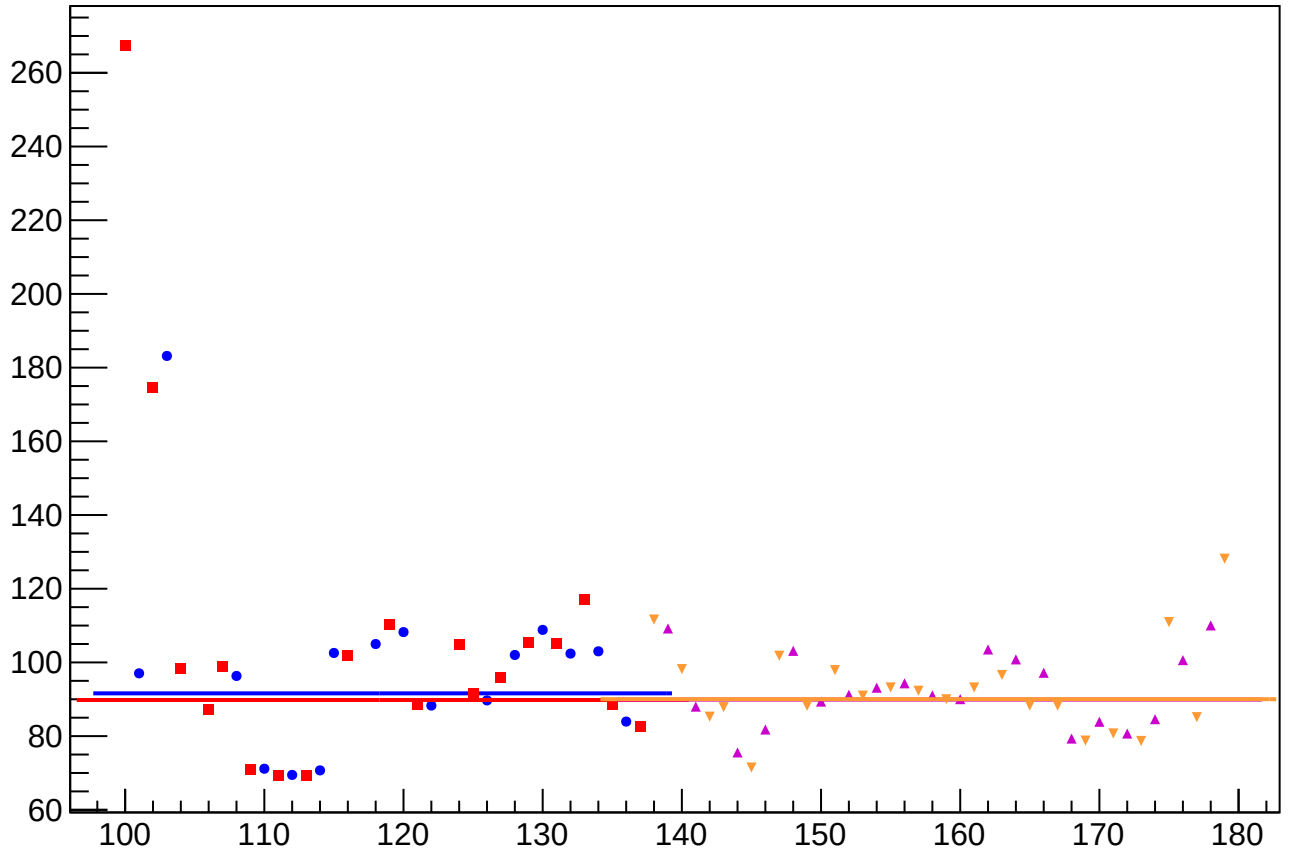
Left: 76.963+/-15.654 χ^2/NDF: 53.0/41

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.131+/-18.942 χ^2/NDF:54.5/35

Out: 66.784+/-18.389 χ^2/NDF:49.7/40

All: 49.000+/-13.194 χ^2/NDF: 106.2/76



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

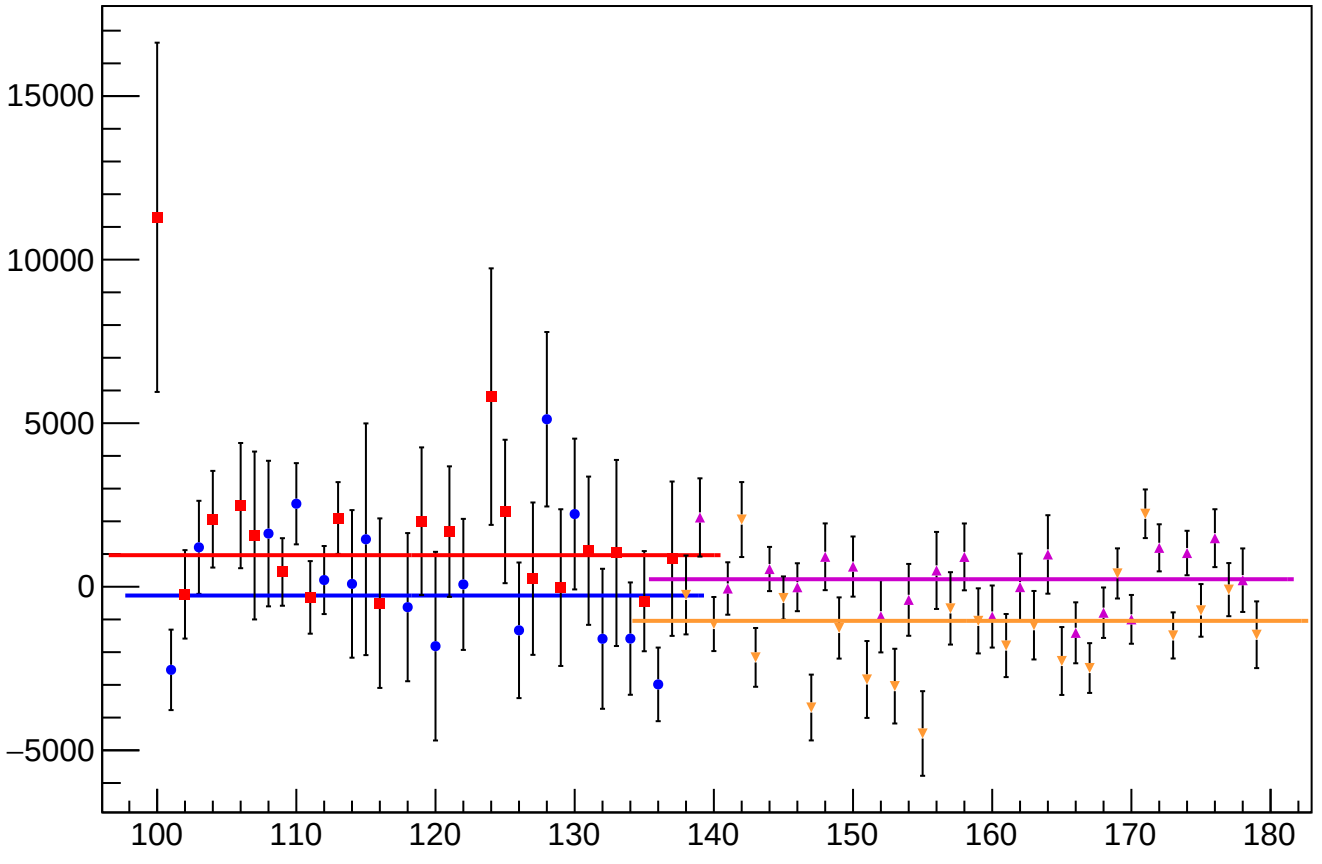
Left: 89.969+/-0.011 χ^2/NDF: 867395.0/41

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.405+/-0.013 χ^2/NDF:931718.6/35

Out: 89.960+/-0.013 χ^2/NDF:1266524.1/40

All: 90.176+/-0.009 χ^2/NDF: 2198810.7/76



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1042.858+/-193.604 χ^2/NDF:60.7/21

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 229.883+/-197.622 χ^2/NDF:20.1/19

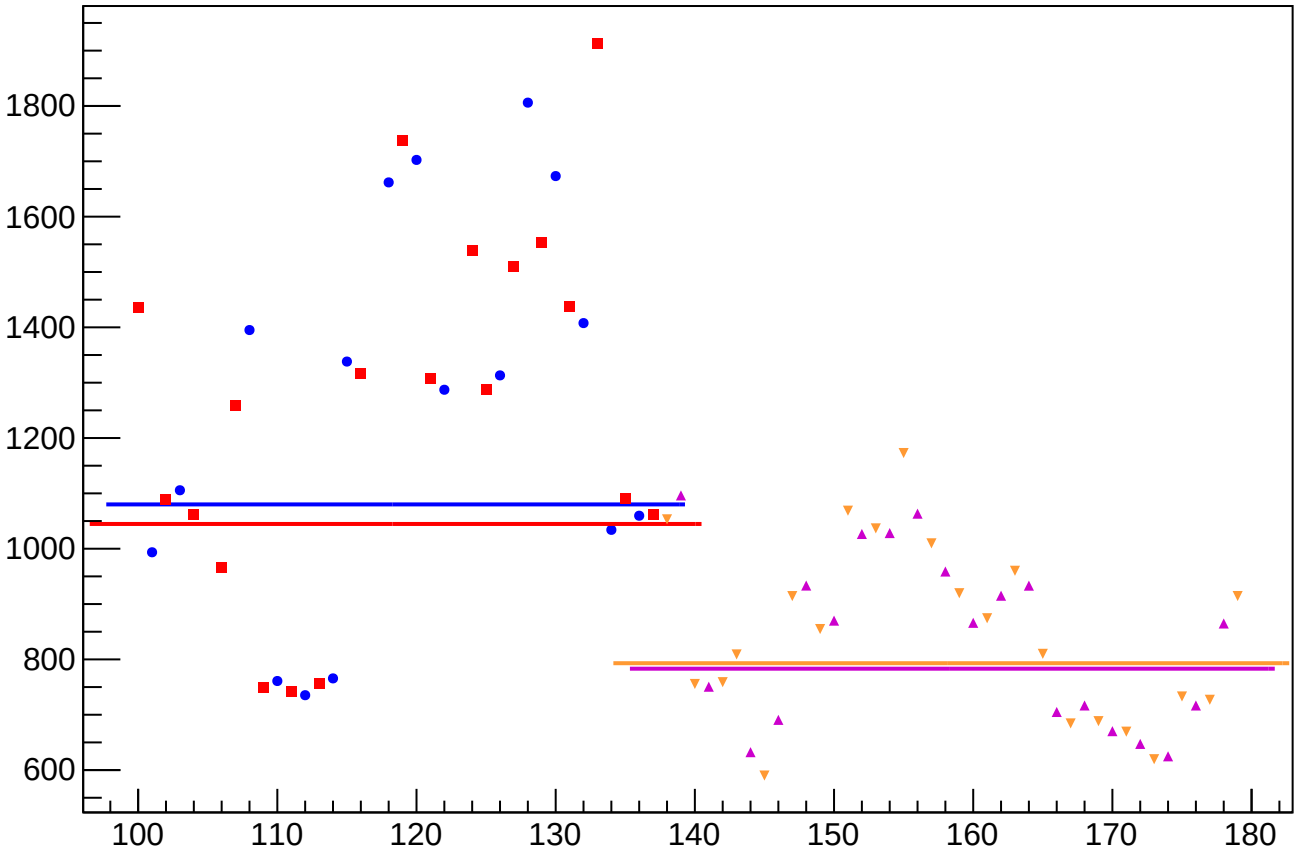
Left: -419.556+/-138.298 χ^2/NDF: 101.9/41

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 139.394+/-178.784 χ^2/NDF:44.7/35

Out: -664.273+/-174.400 χ^2/NDF:93.1/40

All: -272.414+/-124.840 χ^2/NDF: 148.1/76



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

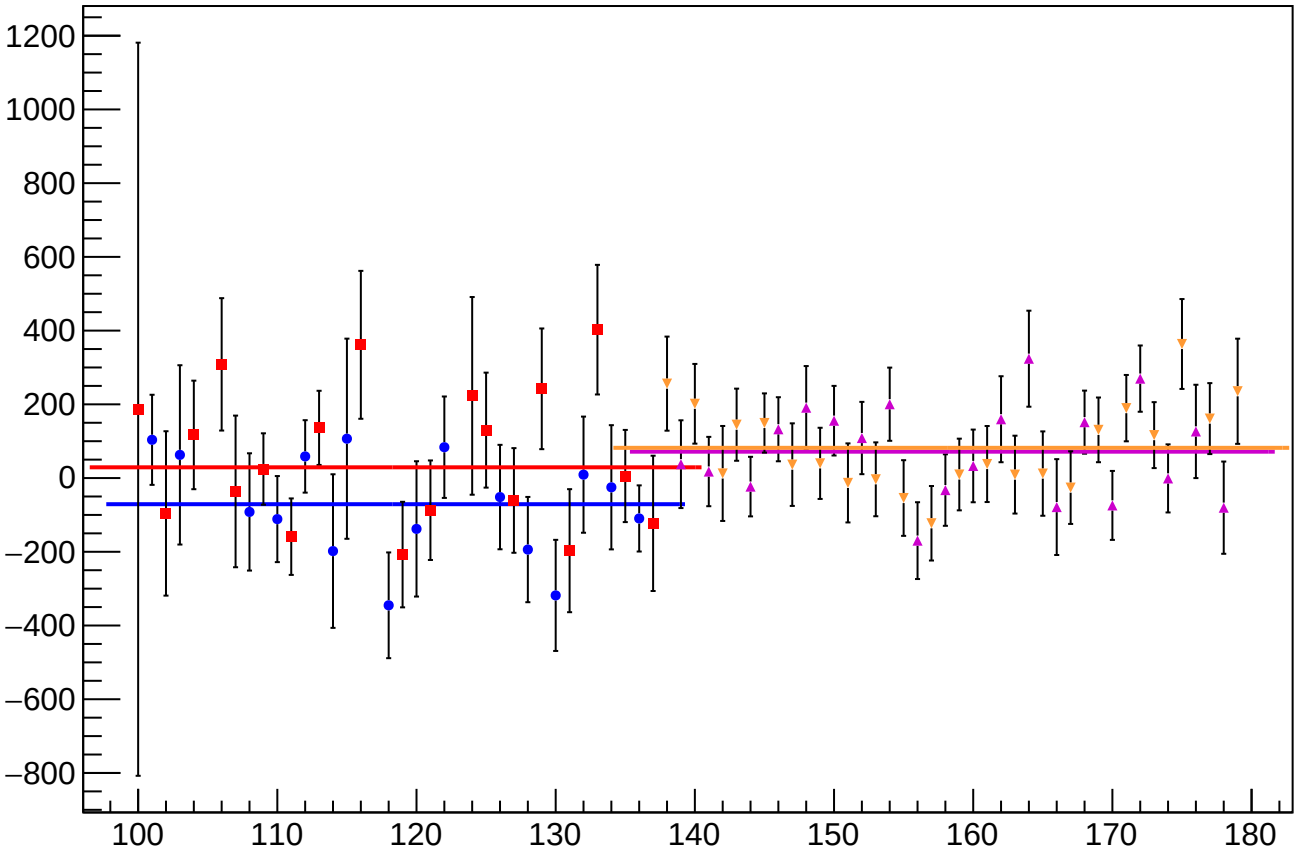
Left: 788.261+/-0.098 χ^2/NDF: 2246057.8/41

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 837.102+/-0.126 χ^2/NDF:2934523.3/35

Out: 840.554+/-0.123 χ^2/NDF:3020477.2/40

All: 838.871+/-0.088 χ^2/NDF: 5955382.5/76



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 82.028+/-21.798 χ^2/NDF:24.1/21

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 71.571+/-22.493 χ^2/NDF:28.8/19

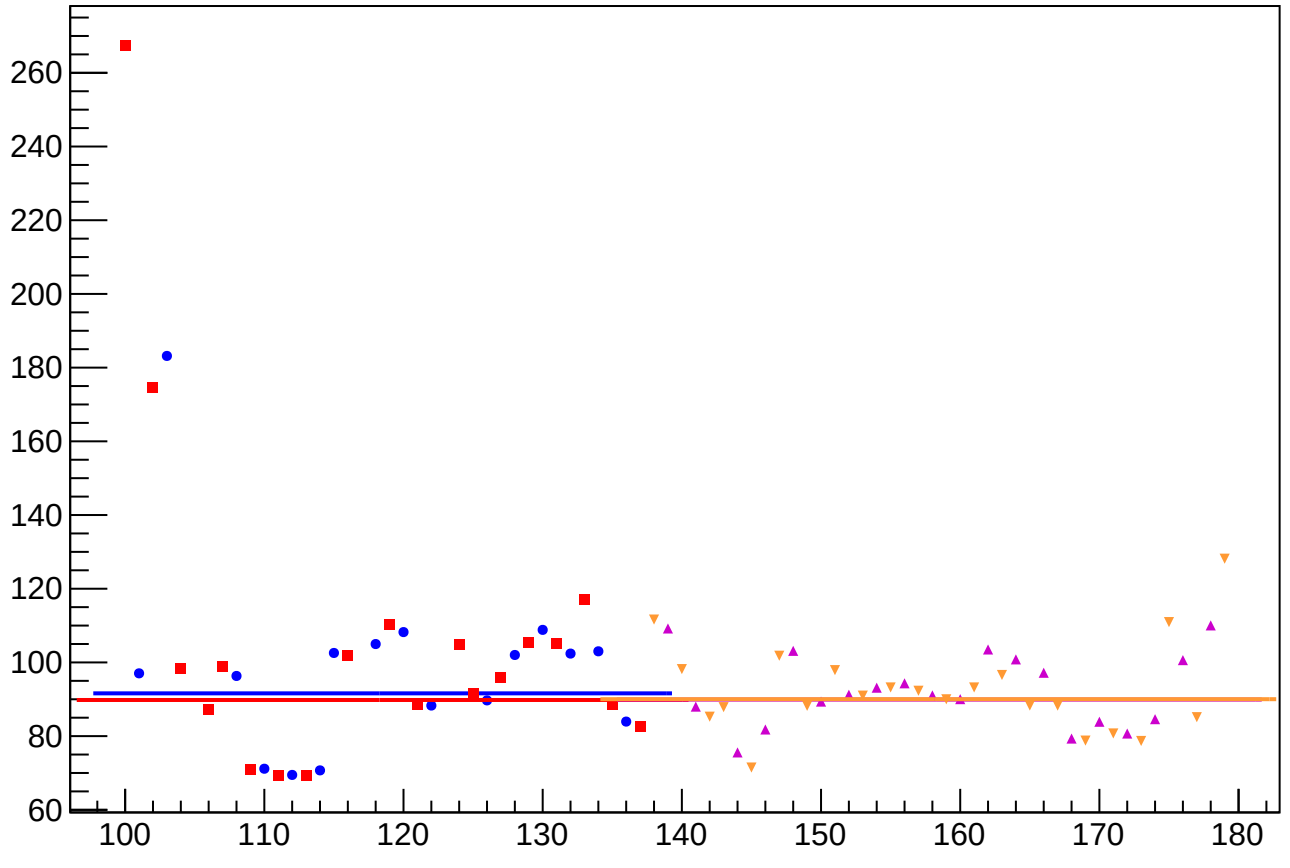
Left: 76.963+/-15.654 χ^2/NDF: 53.0/41

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.131+/-18.942 χ^2/NDF:54.5/35

Out: 66.784+/-18.389 χ^2/NDF:49.7/40

All: 49.000+/-13.194 χ^2/NDF: 106.2/76



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.023+/-0.015 χ^2/NDF:519634.2/21

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

Left: 89.969+/-0.011 χ^2/NDF: 867395.0/41

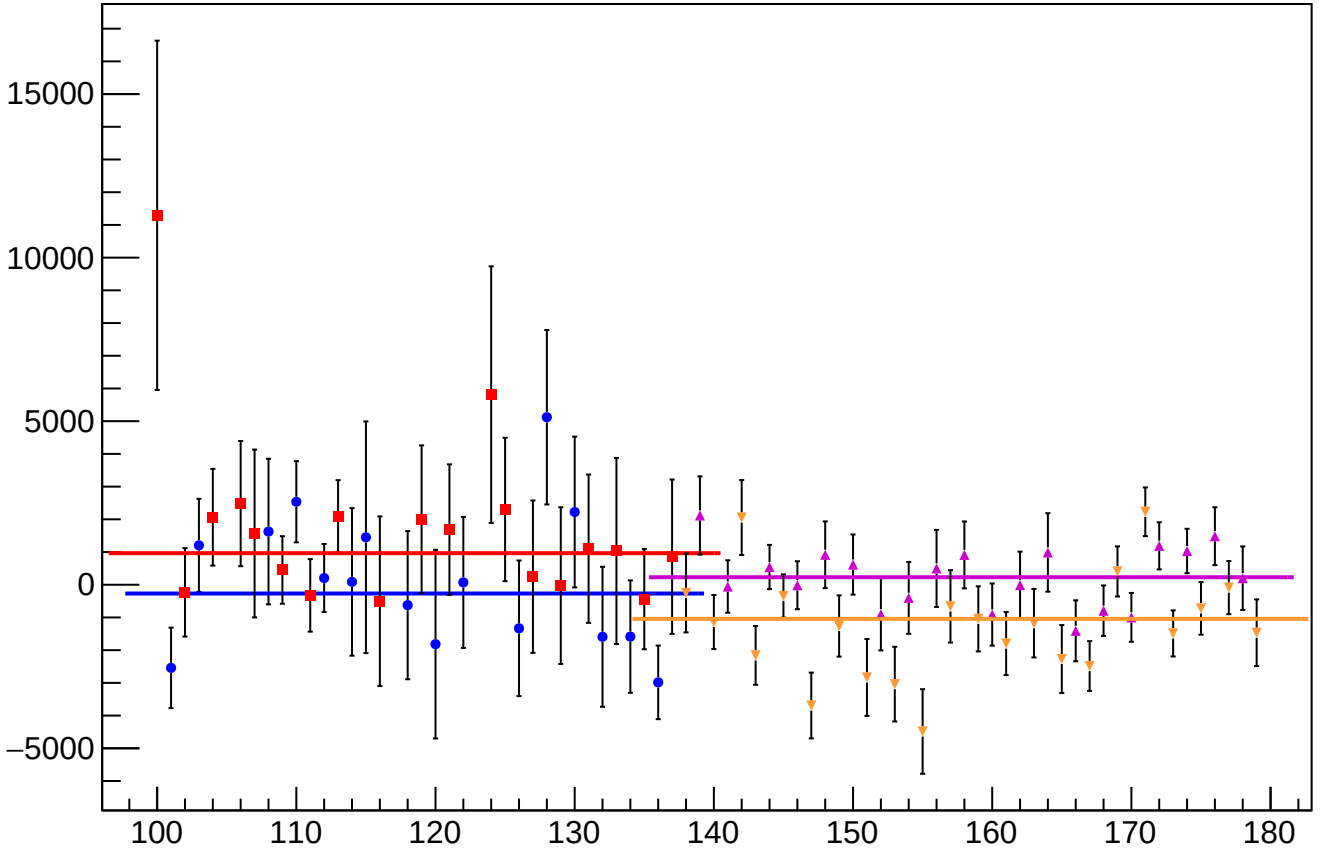
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.405+/-0.013 χ^2/NDF:931718.6/35

Out: 89.960+/-0.013 χ^2/NDF:1266524.1/40

All: 90.176+/-0.009 χ^2/NDF: 2198810.7/76

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1042.858+/-193.604 χ^2/NDF:60.7/21

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 229.883+/-197.622 χ^2/NDF:20.1/19

Left: -419.556+/-138.298 χ^2/NDF: 101.9/41

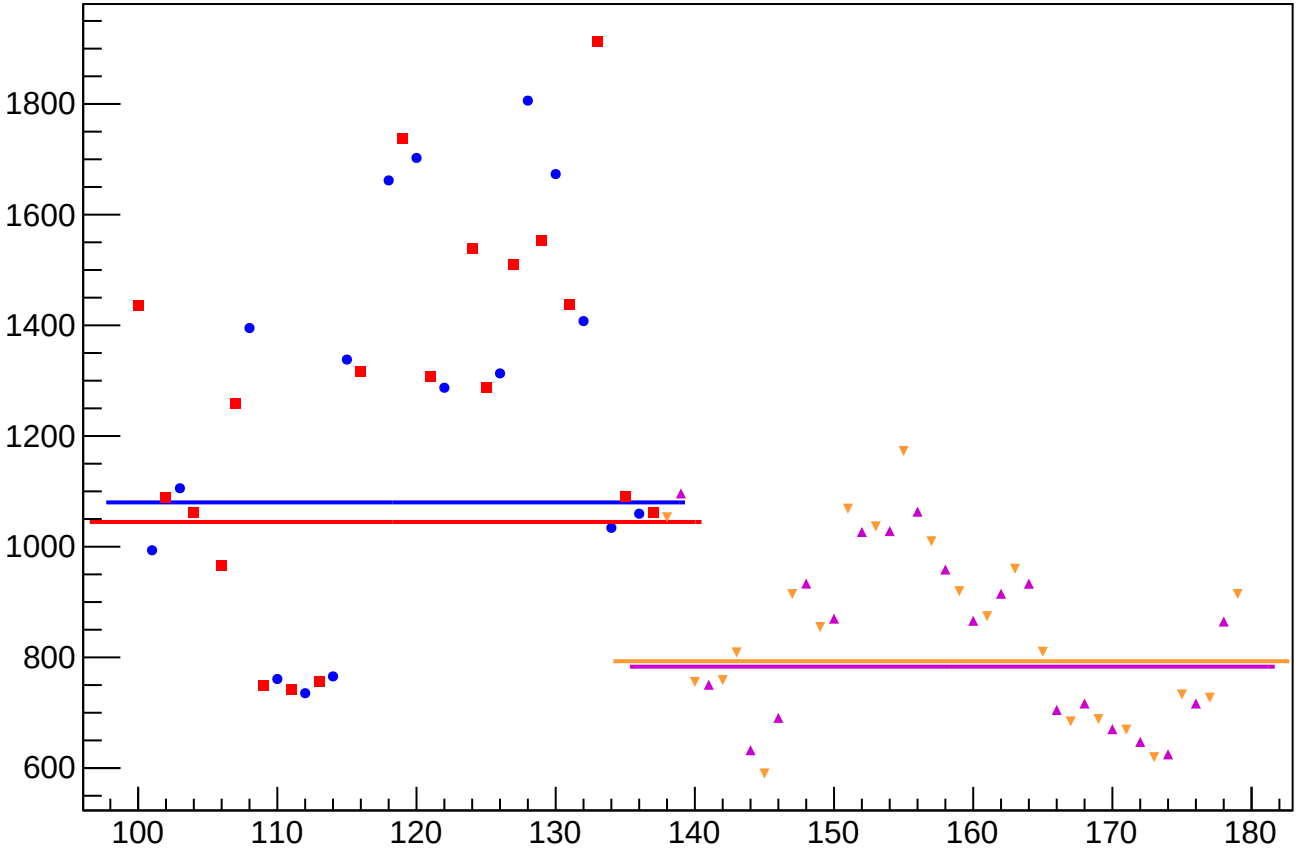
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 139.394+/-178.784 χ^2/NDF:44.7/35

Out: -664.273+/-174.400 χ^2/NDF:93.1/40

All: -272.414+/-124.840 χ^2/NDF: 148.1/76

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 793.113+/-0.137 χ^2/NDF:1181760.3/21

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

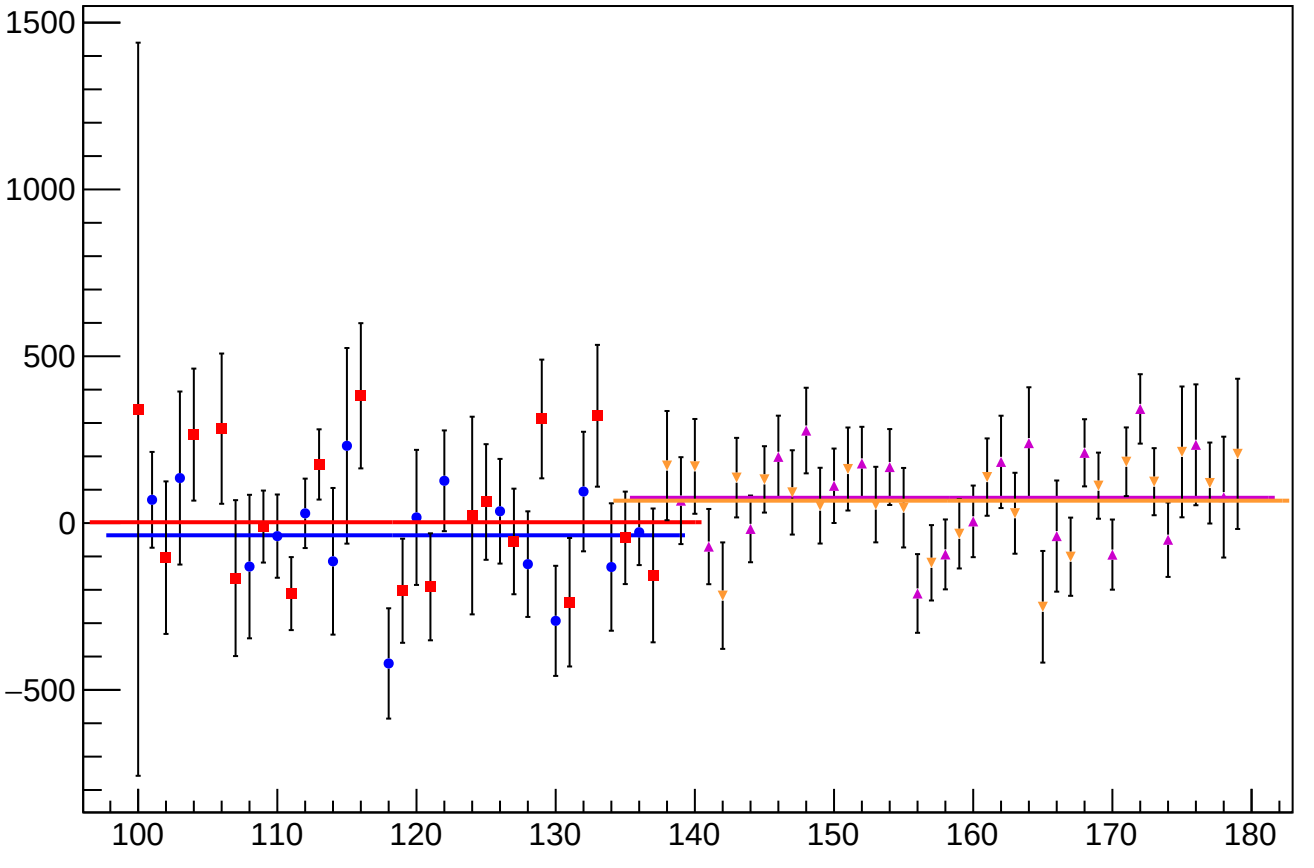
Left: 788.261+/-0.098 χ^2/NDF: 2246057.8/41

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 837.102+/-0.126 χ^2/NDF:2934523.3/35

Out: 840.554+/-0.123 χ^2/NDF:3020477.2/40

All: 838.871+/-0.088 χ^2/NDF: 5955382.5/76



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.166+/-25.982 χ^2/NDF:18.2/21

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 75.806+/-26.714 χ^2/NDF:31.7/19

Left: 71.366+/-18.626 χ^2/NDF: 50.0/41

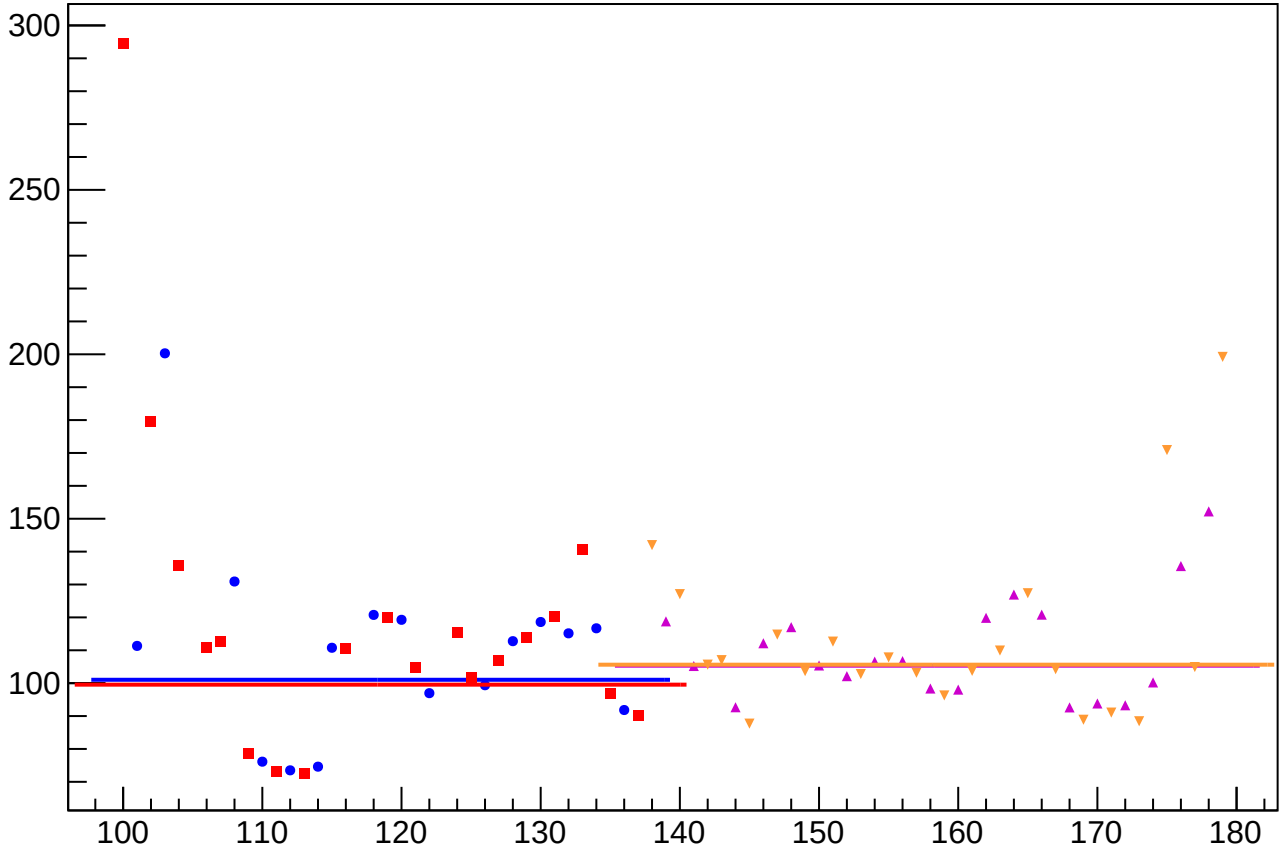
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 39.900+/-22.038 χ^2/NDF:50.2/35

Out: 46.708+/-21.477 χ^2/NDF:44.9/40

All: 43.391+/-15.381 χ^2/NDF: 95.2/76

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 105.619+/-0.018 χ^2/NDF:1006014.7/21

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.309+/-0.019 χ^2/NDF:445993.2/19

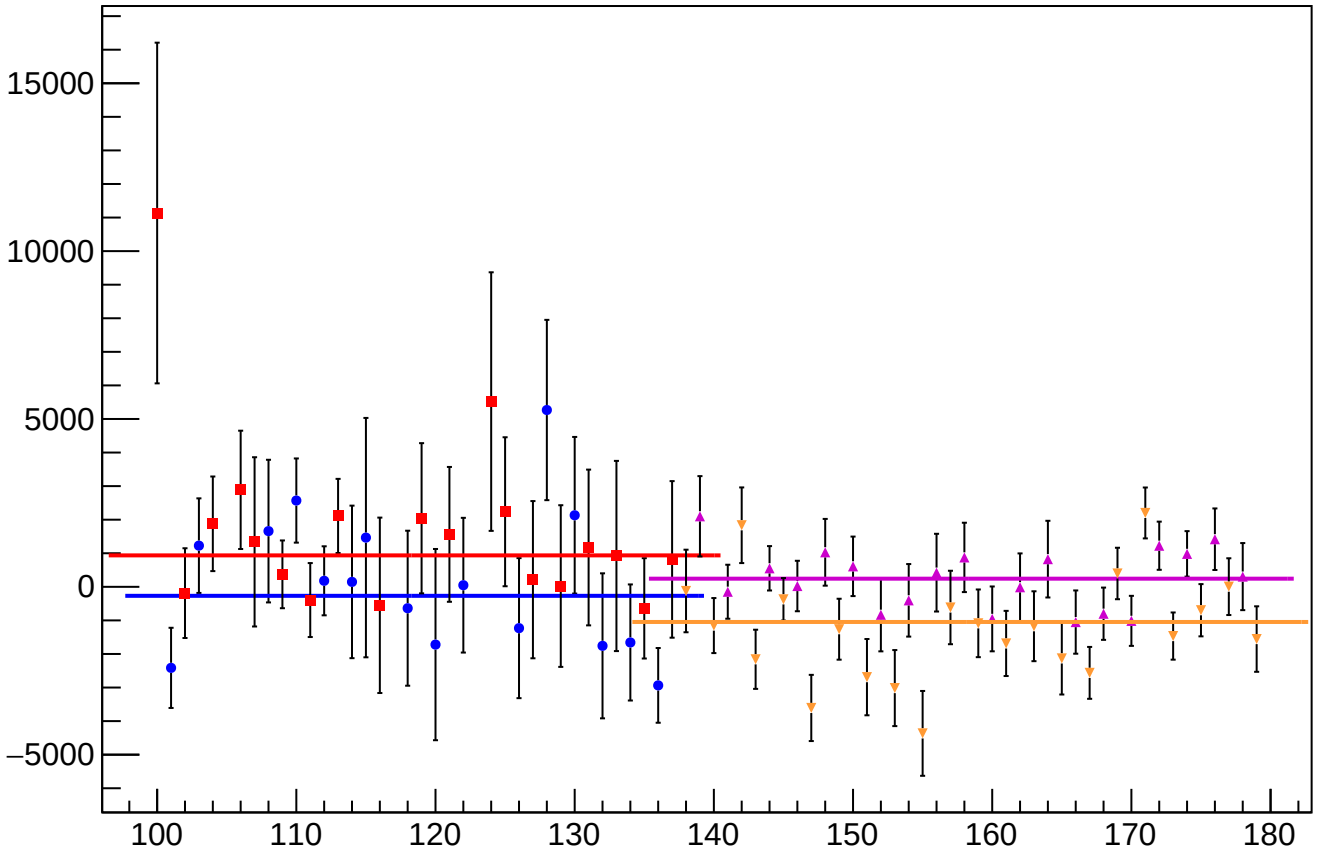
Left: 105.468+/-0.013 χ^2/NDF: 1452145.9/41

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.942+/-0.016 χ^2/NDF:1178473.6/35

Out: 103.696+/-0.015 χ^2/NDF:1921099.2/40

All: 103.816+/-0.011 χ^2/NDF: 3099701.3/76



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1046.693+/-192.268 χ^2/NDF:58.4/21

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 242.845+/-197.315 χ^2/NDF:18.6/19

Left: -418.627+/-137.703 χ^2/NDF: 98.9/41

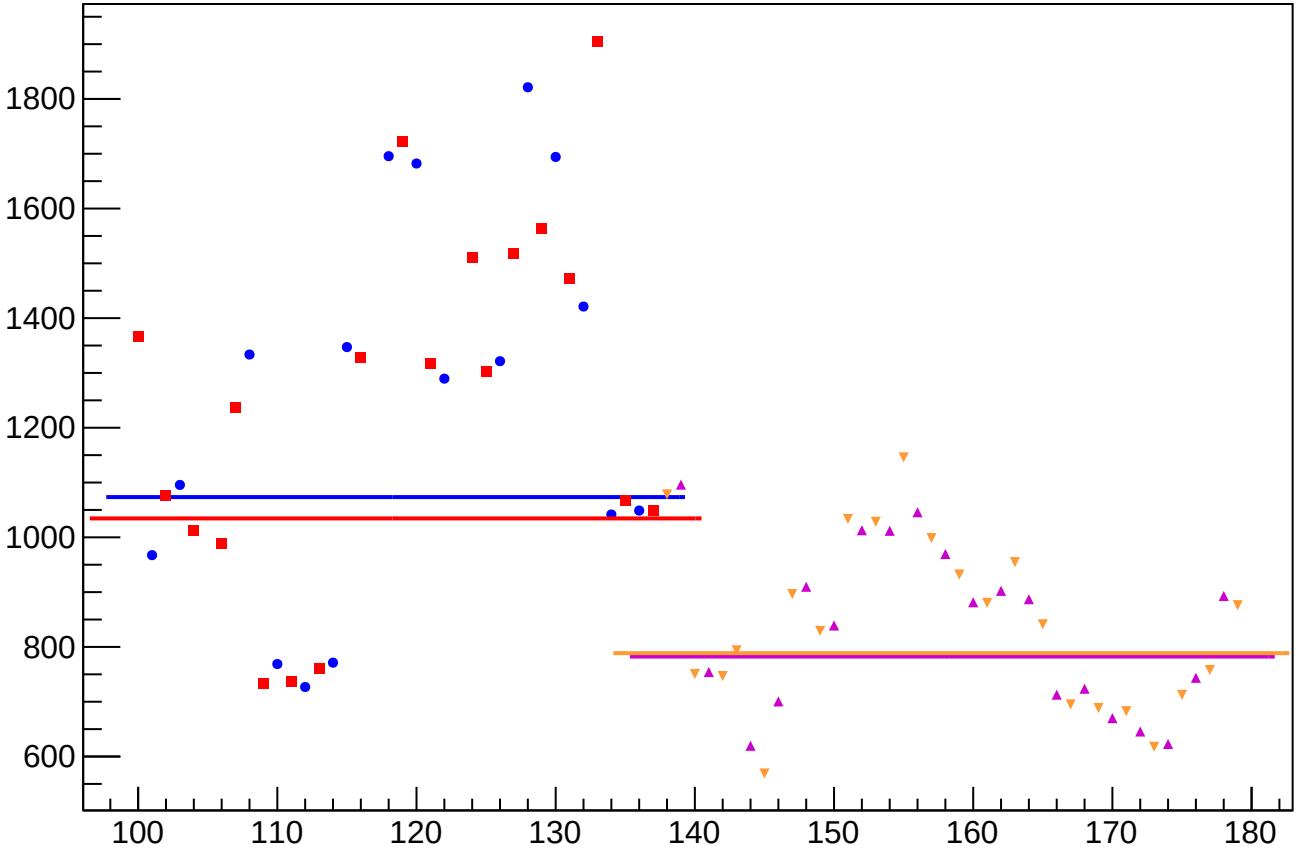
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 149.436+/-178.361 χ^2/NDF:43.3/35

Out: -668.688+/-172.979 χ^2/NDF:91.8/40

All: -272.155+/-124.173 χ^2/NDF: 145.9/76

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 788.646+/-0.136 χ^2/NDF:1174892.9/21

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 782.444+/-0.140 χ^2/NDF:1020685.5/19

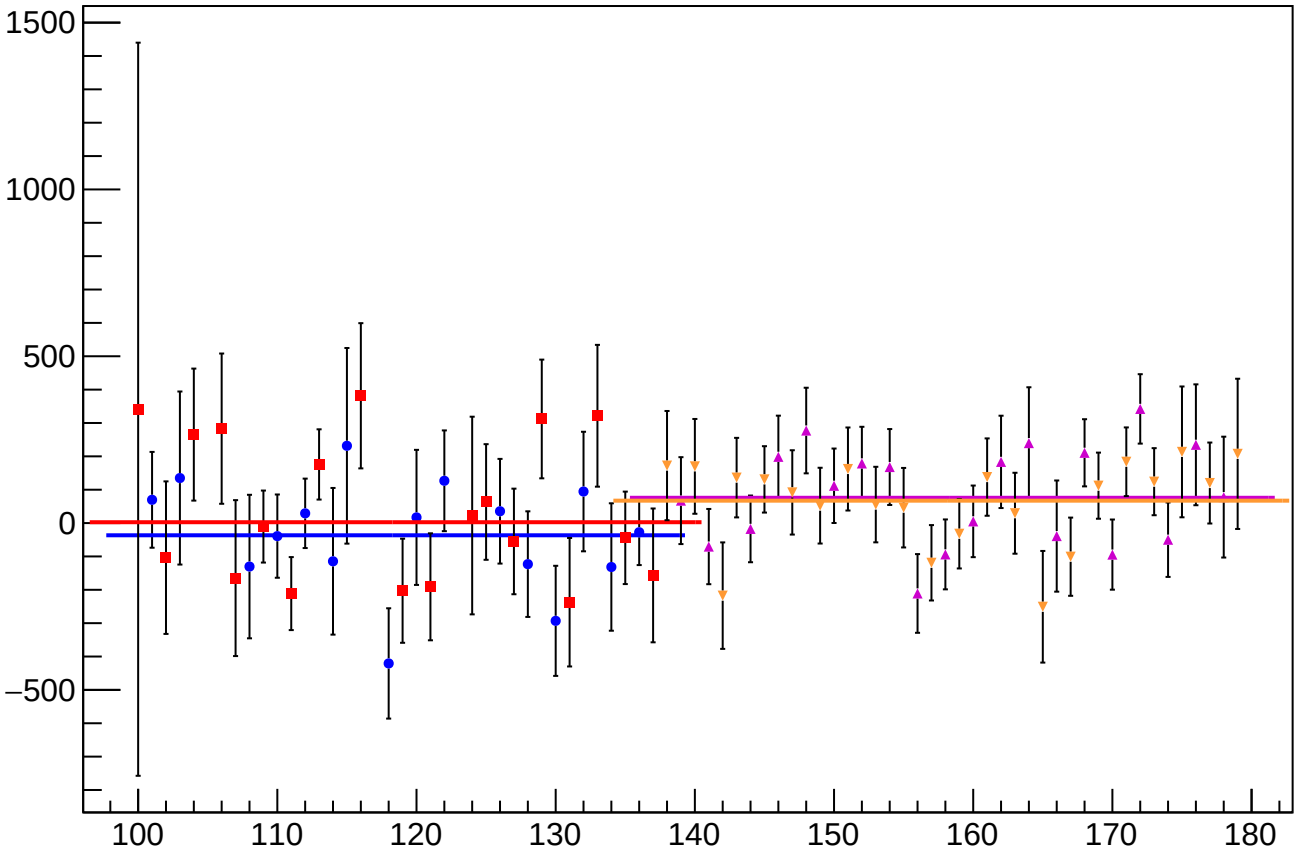
Left: 785.625+/-0.097 χ^2/NDF: 2196592.2/41

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 835.668+/-0.126 χ^2/NDF:2893405.4/35

Out: 835.508+/-0.122 χ^2/NDF:3027649.8/40

All: 835.586+/-0.088 χ^2/NDF: 5921056.1/76



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 67.167+/-25.982 χ^2/NDF:18.2/21

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 75.805+/-26.714 χ^2/NDF:31.7/19

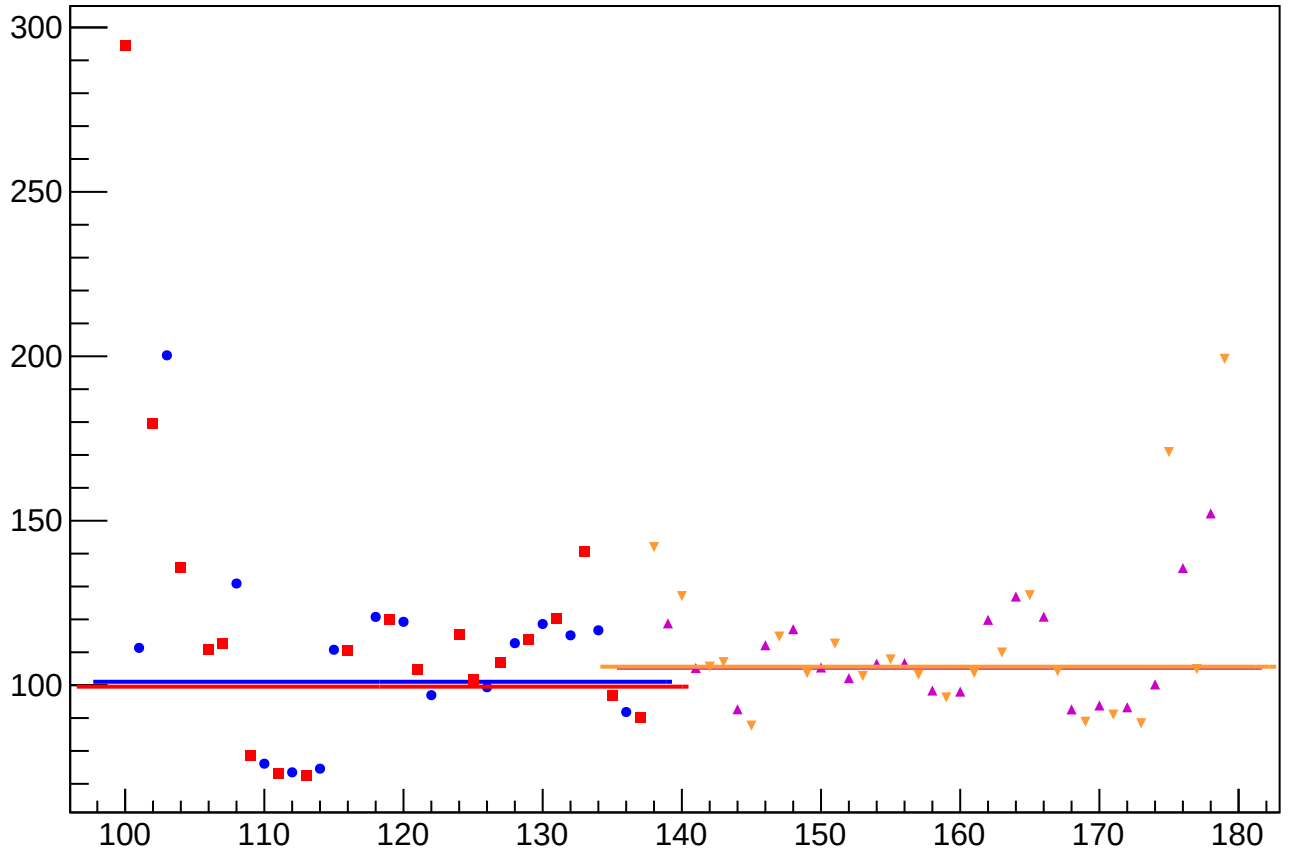
Left: 71.366+/-18.626 χ^2/NDF: 50.0/41

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 39.899+/-22.038 χ^2/NDF:50.2/35

Out: 46.708+/-21.478 χ^2/NDF:44.9/40

All: 43.391+/-15.381 χ^2/NDF: 95.2/76



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 105.619+/-0.018 χ^2/NDF:1006015.7/21

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.309+/-0.019 χ^2/NDF:445984.2/19

Left: 105.468+/-0.013 χ^2/NDF: 1452137.8/41

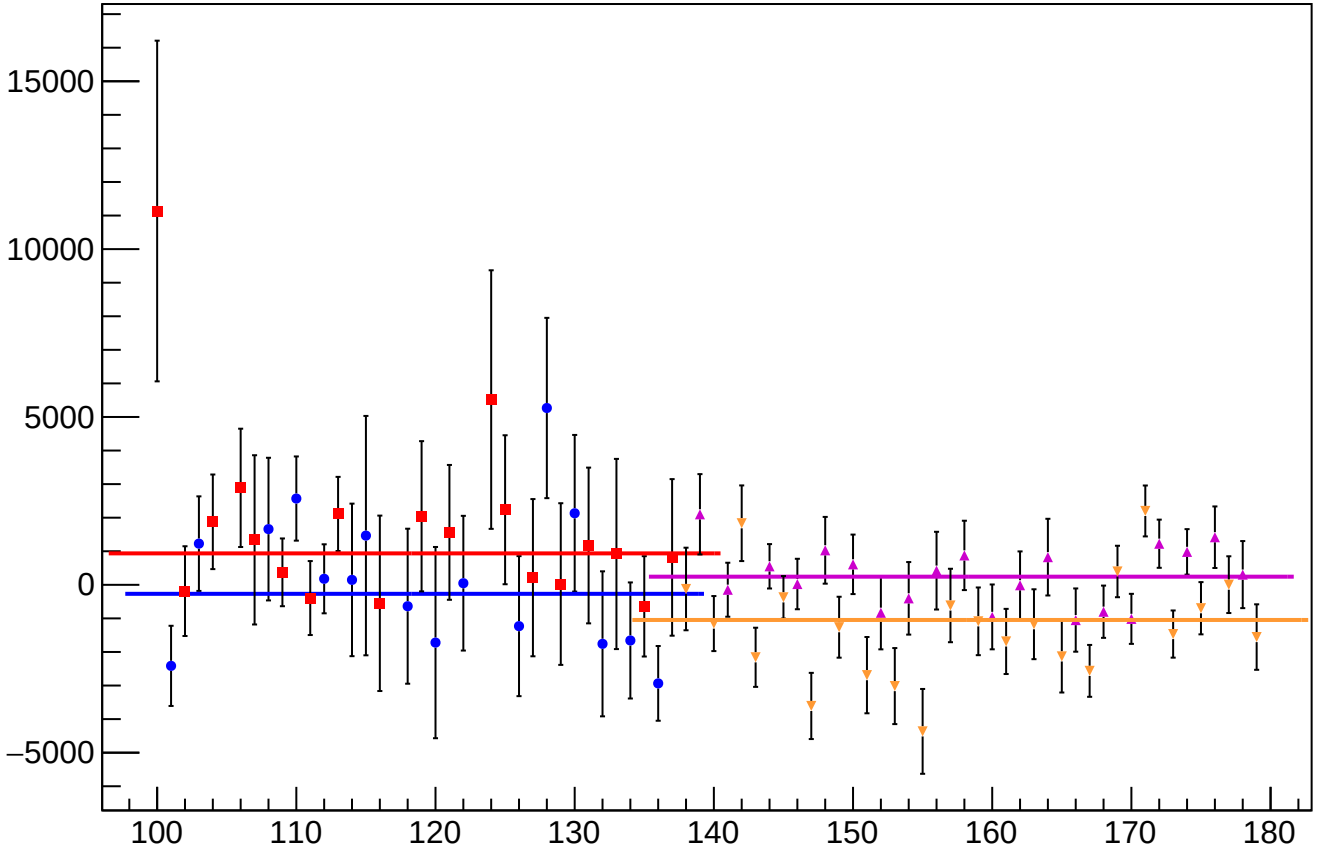
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.943+/-0.016 χ^2/NDF:1178464.5/35

Out: 103.696+/-0.015 χ^2/NDF:1921104.0/40

All: 103.816+/-0.011 χ^2/NDF: 3099697.1/76

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1046.692+/-192.267 χ^2/NDF:58.4/21

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 242.844+/-197.314 χ^2/NDF:18.6/19

Left: -418.627+/-137.703 χ^2/NDF: 98.9/41

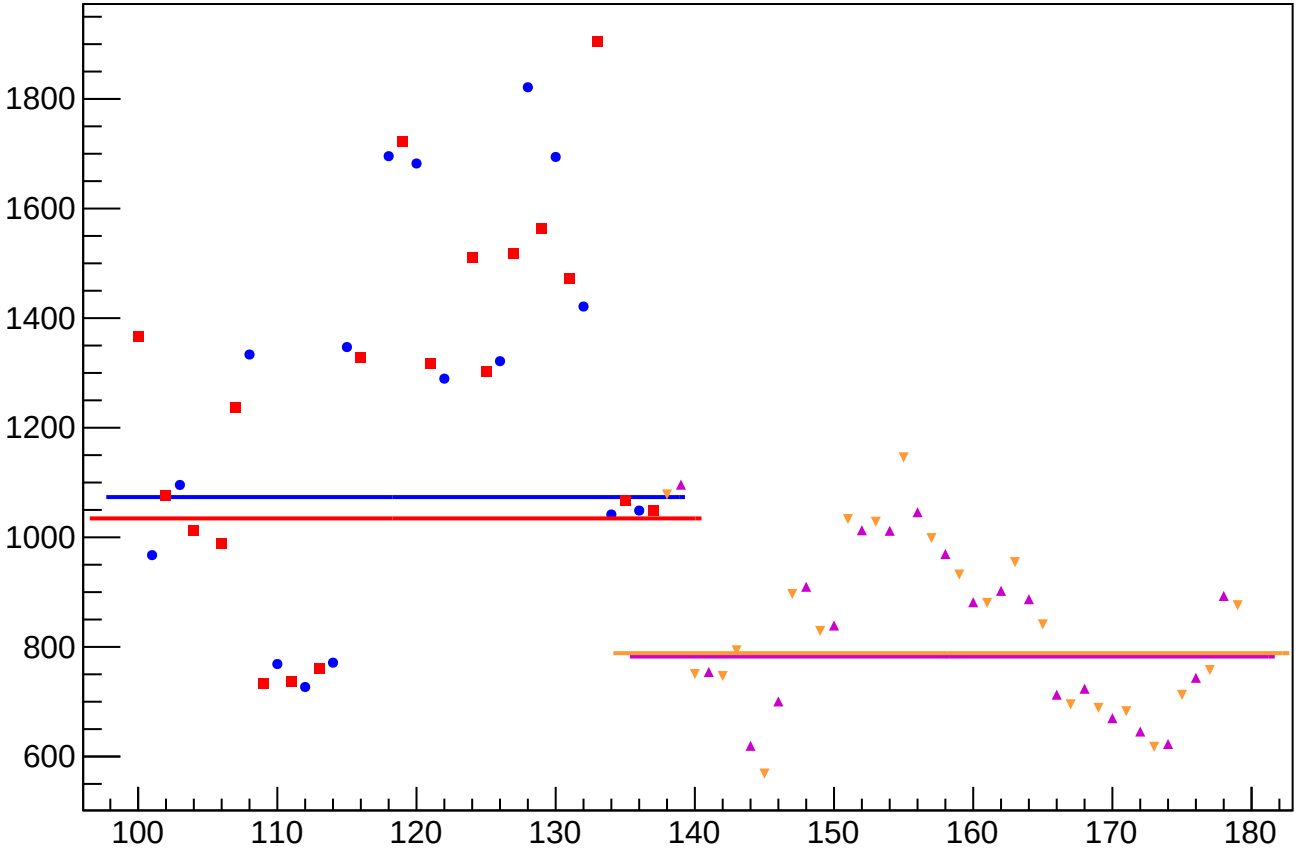
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 149.435+/-178.360 χ^2/NDF:43.3/35

Out: -668.688+/-172.978 χ^2/NDF:91.8/40

All: -272.156+/-124.173 χ^2/NDF: 145.9/76

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 788.645+/-0.136 χ^2/NDF:1174895.6/21

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 782.443+/-0.140 χ^2/NDF:1020686.4/19

Left: 785.624+/-0.097 χ^2/NDF: 2196595.6/41

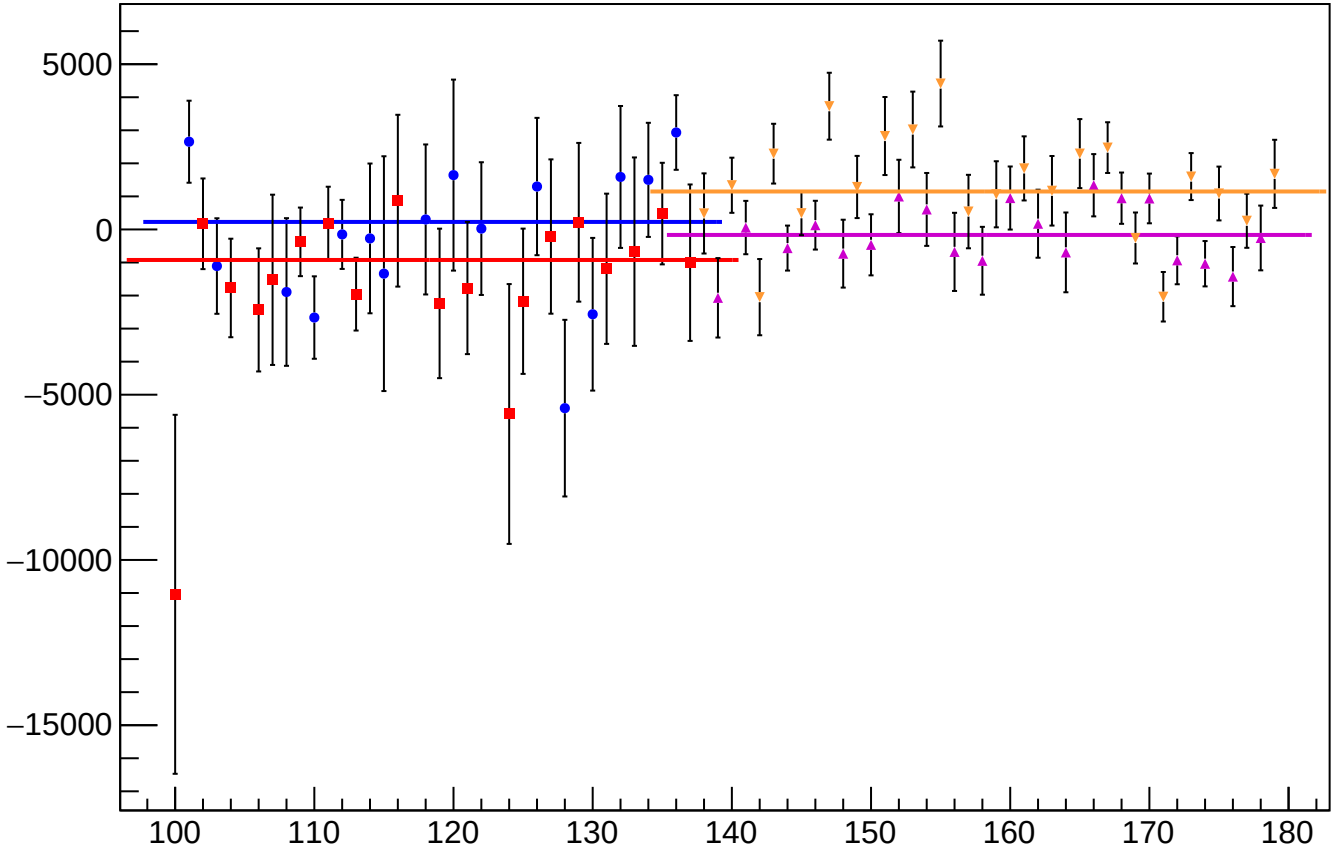
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 835.667+/-0.126 χ^2/NDF:2893411.5/35

Out: 835.507+/-0.122 χ^2/NDF:3027655.7/40

All: 835.584+/-0.088 χ^2/NDF: 5921068.0/76

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1148.558+/-194.970 χ^2/NDF:56.4/21

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -166.321+/-199.039 χ^2/NDF:19.0/19

Left: 504.695+/-139.281 χ^2/NDF: 97.7/41

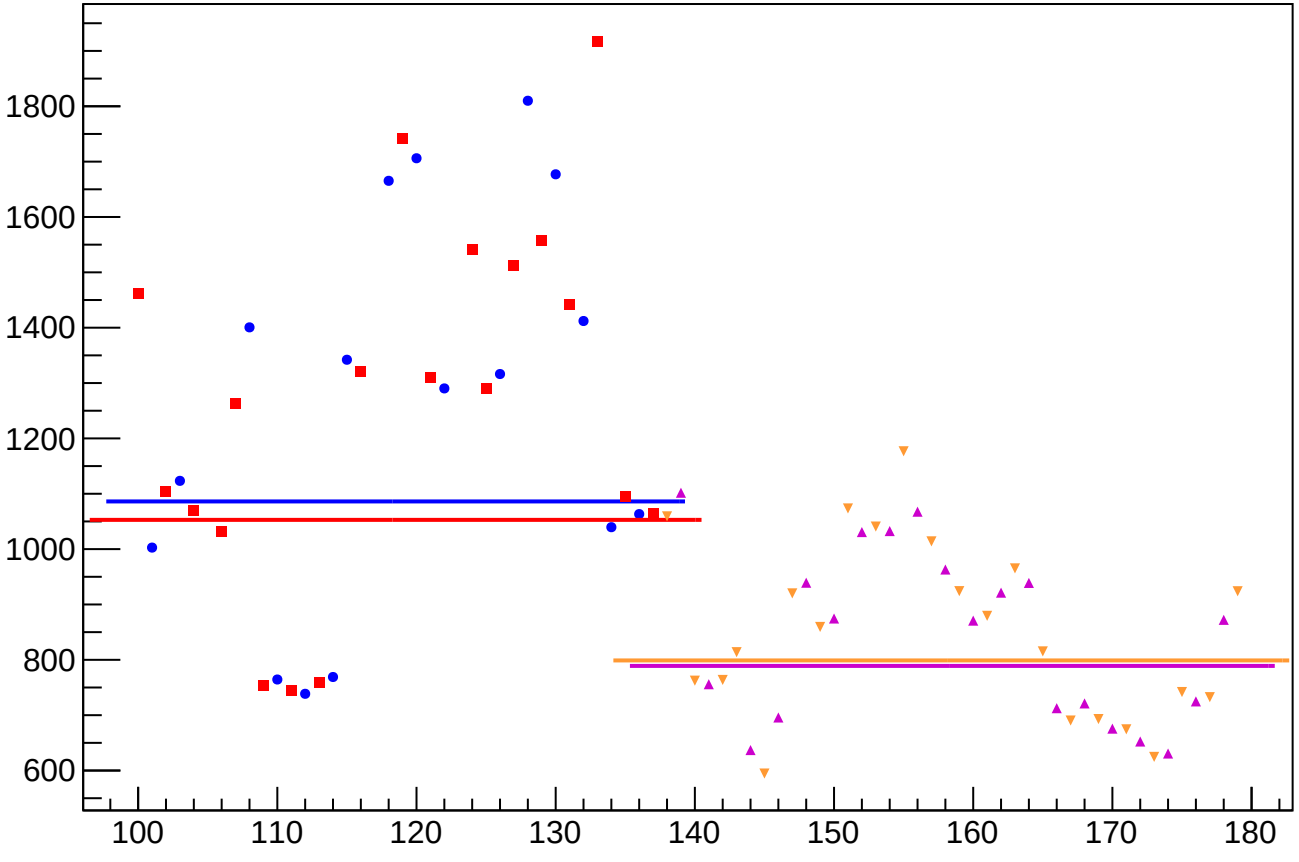
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -94.609+/-180.007 χ^2/NDF:44.2/35

Out: 755.692+/-175.518 χ^2/NDF:89.0/40

All: 341.278+/-125.667 χ^2/NDF: 144.6/76

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 798.900+/-0.138 χ^2/NDF:1166904.0/21

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 789.020+/-0.141 χ^2/NDF:1046146.9/19

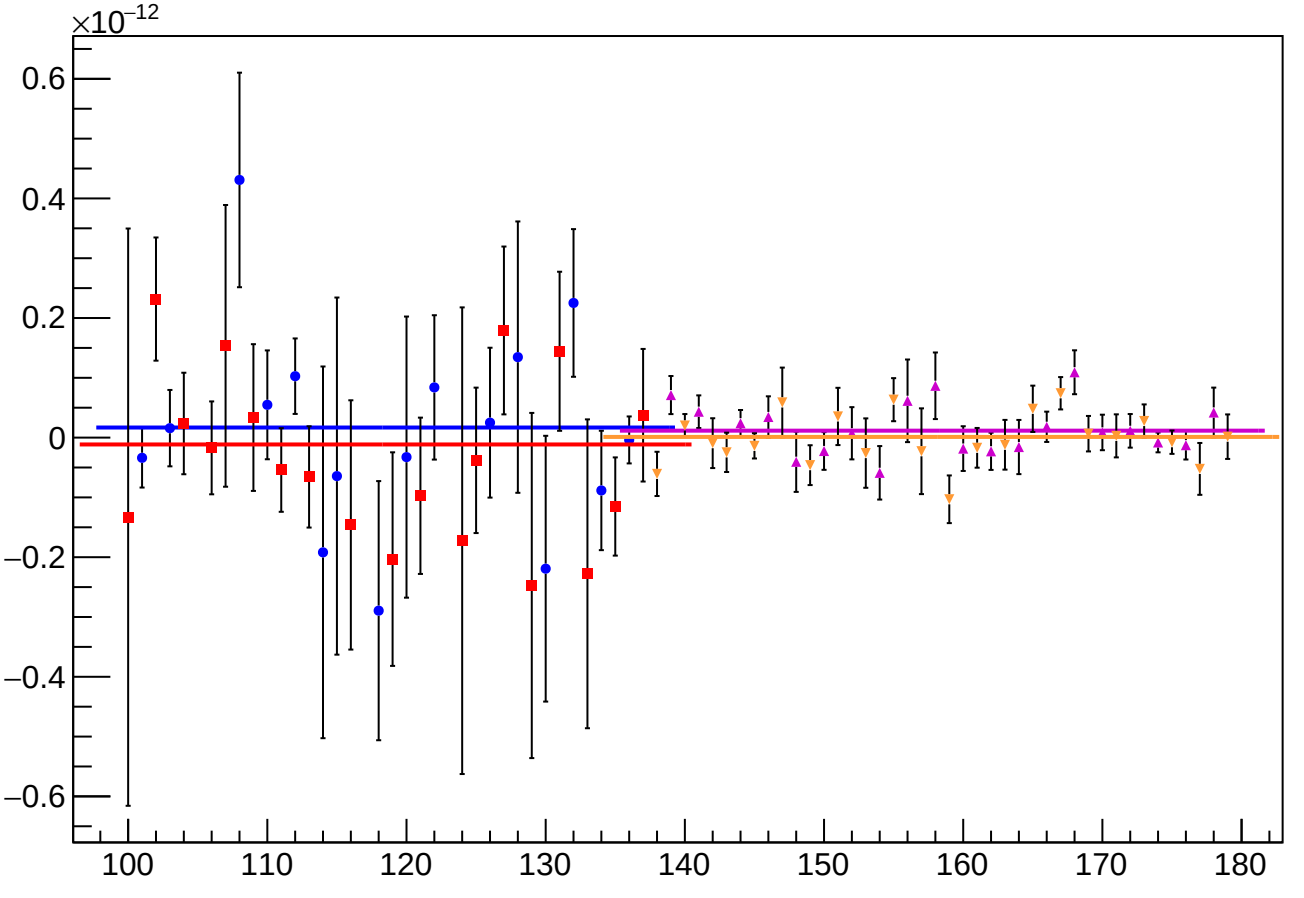
Left: 794.062+/-0.098 χ^2/NDF: 2215565.5/41

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 843.123+/-0.127 χ^2/NDF:2905147.5/35

Out: 847.042+/-0.124 χ^2/NDF:3004512.9/40

All: 845.132+/-0.089 χ^2/NDF: 5910146.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:25.0/19

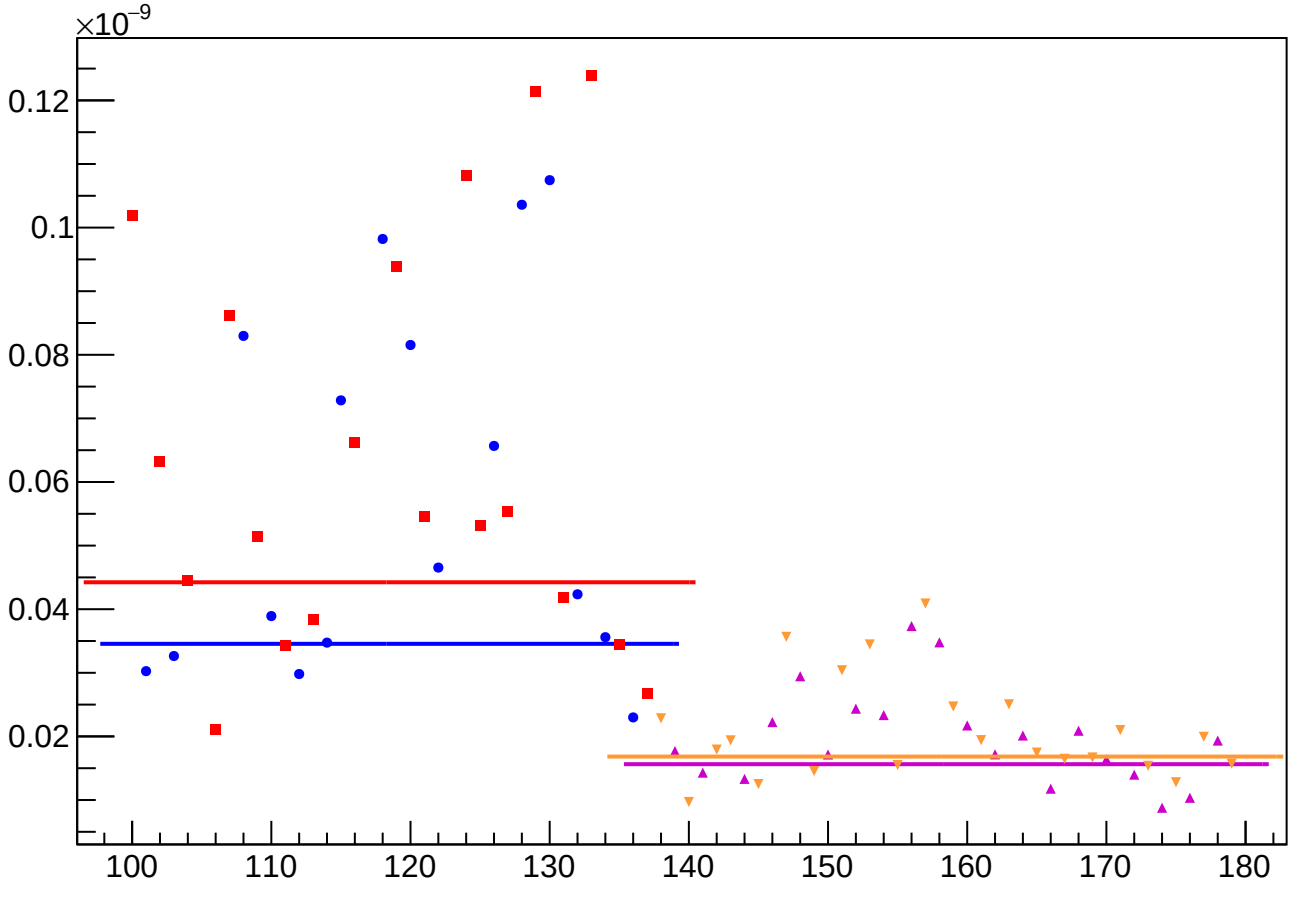
Left: 0.000+/-0.000 χ^2/NDF: 56.7/41

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:42.0/35

Out: 0.000+/-0.000 χ^2/NDF:46.5/40

All: 0.000+/-0.000 χ^2/NDF: 90.1/76



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517509.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1466523.9/19

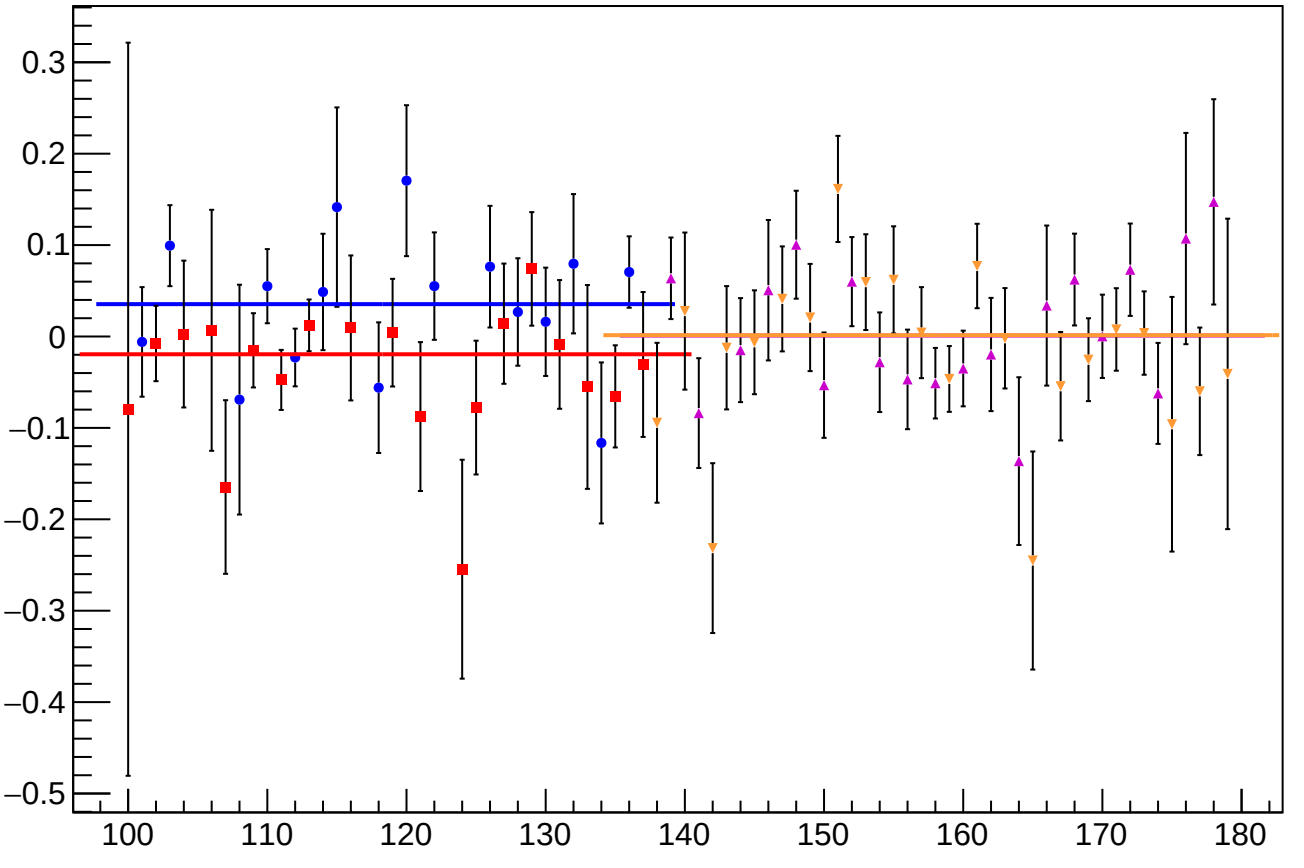
Left: 0.000+/-0.000 χ^2/NDF: 3014378.1/41

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4023147.7/35

Out: 0.000+/-0.000 χ^2/NDF:4540609.0/40

All: 0.000+/-0.000 χ^2/NDF: 8594118.5/76



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:23.2/19

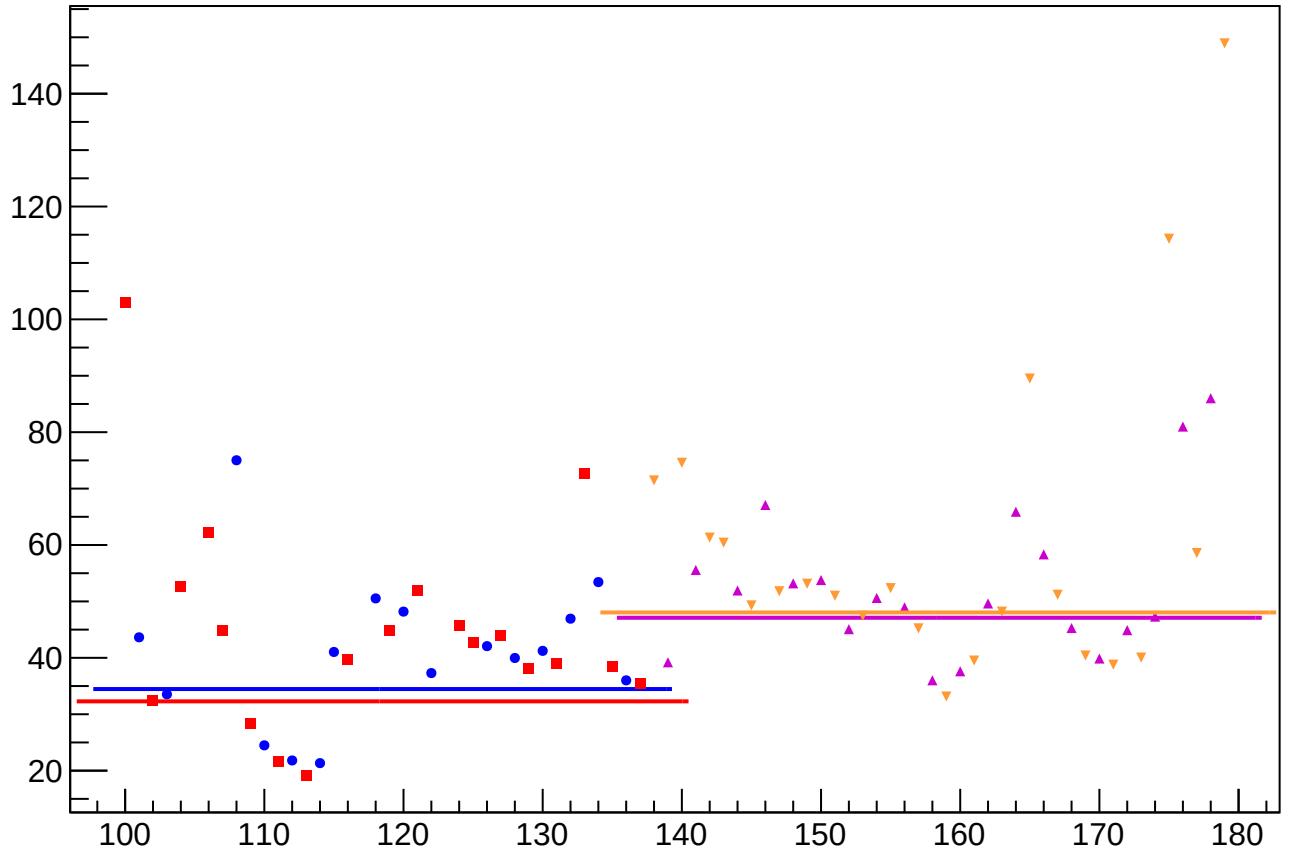
Left: 0.001+/-0.009 χ^2/NDF: 52.6/41

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.2/40

All: 0.004+/-0.006 χ^2/NDF: 91.3/76



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.045+/-0.009 χ^2/NDF:2553757.2/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.103+/-0.009 χ^2/NDF:1173570.3/19

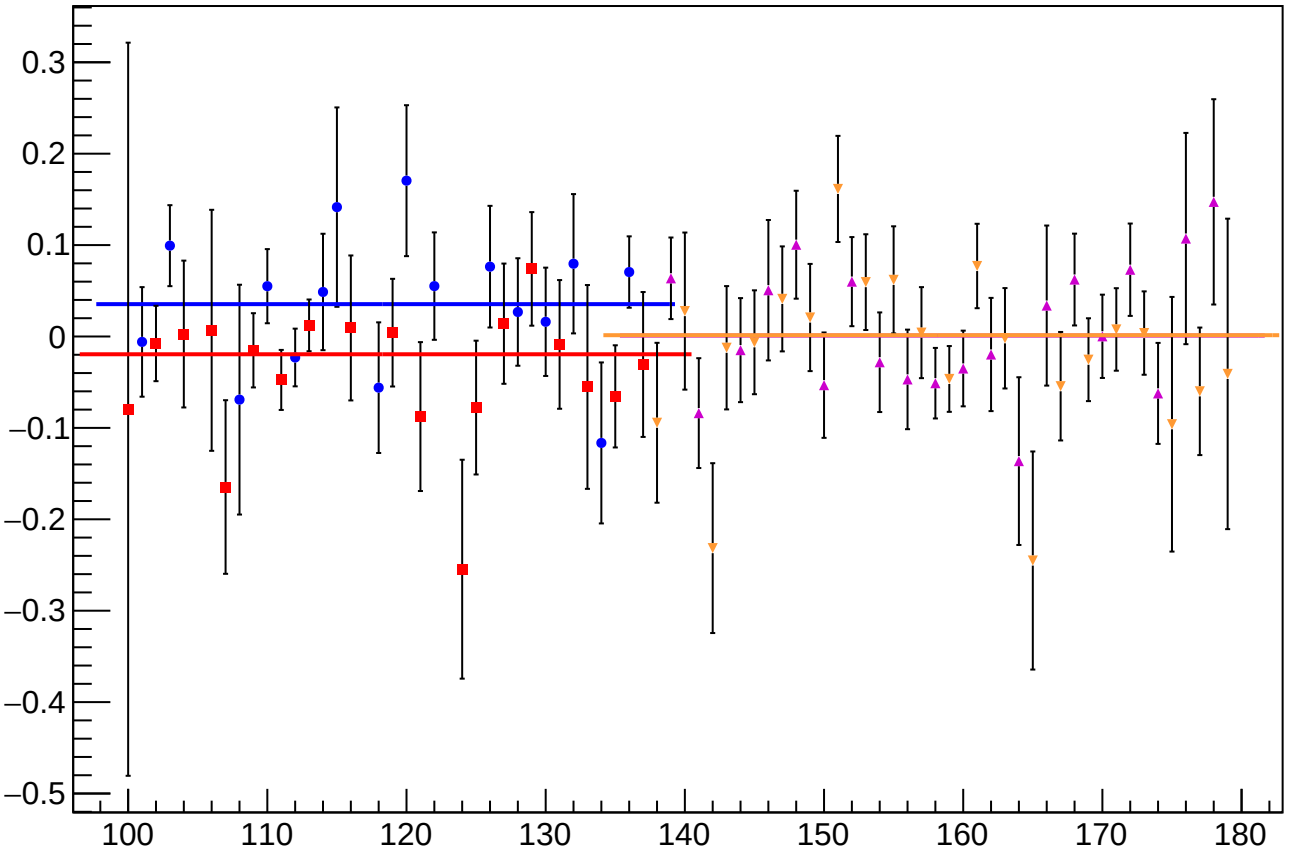
Left: 47.577+/-0.006 χ^2/NDF: 3733099.7/41

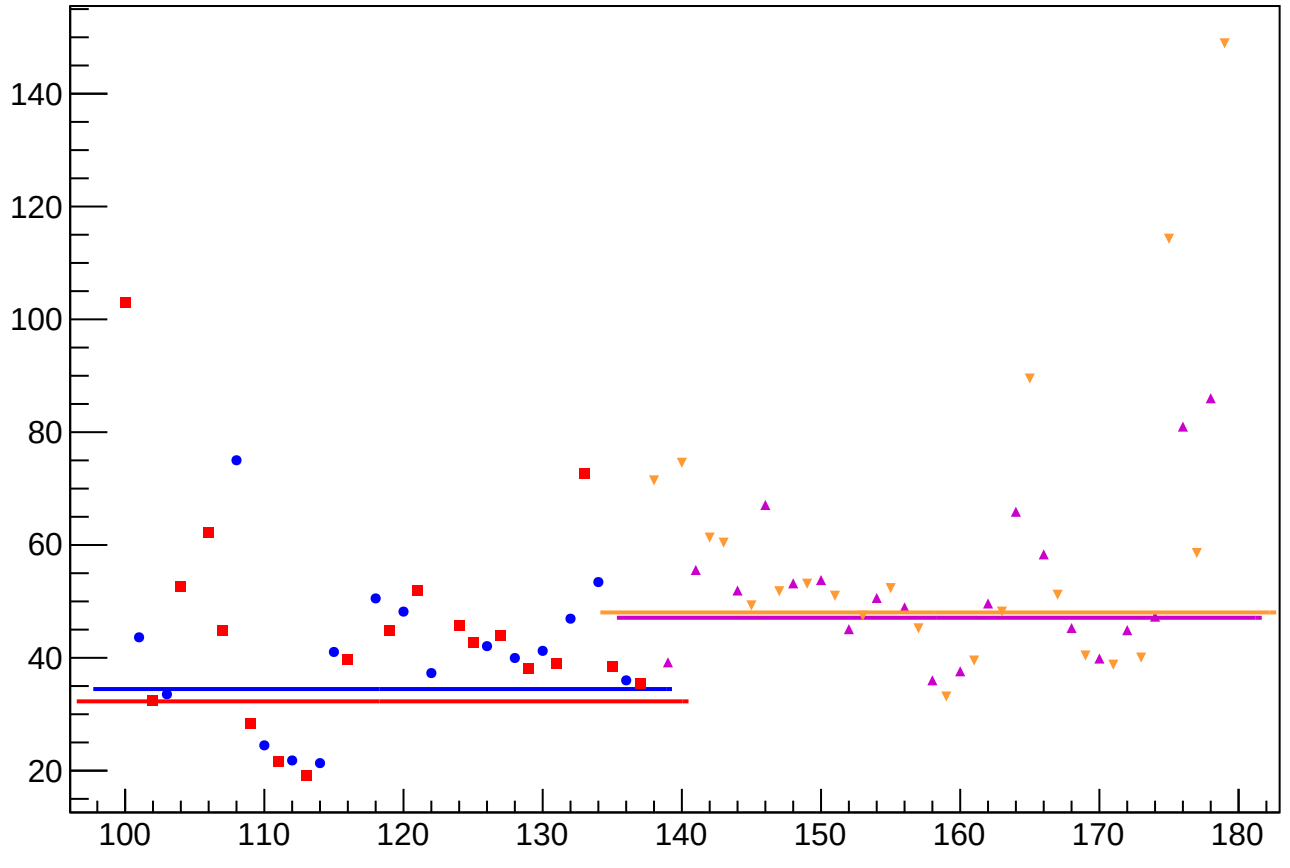
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.477+/-0.007 χ^2/NDF:3262613.9/35

Out: 40.632+/-0.006 χ^2/NDF:5754212.3/40

All: 41.042+/-0.005 χ^2/NDF: 9025378.8/76


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.001+/-0.012 χ²/NDF:29.4/21
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.001+/-0.012 χ²/NDF:23.2/19
Left: 0.001+/-0.009 χ²/NDF: 52.6/41
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.016+/-0.009 χ²/NDF:43.5/35
Out: -0.008+/-0.009 χ²/NDF:44.2/40
All: 0.004+/-0.006 χ²/NDF: 91.3/76



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 48.045+/-0.009 χ^2/NDF:2553757.2/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 47.103+/-0.009 χ^2/NDF:1173570.3/19

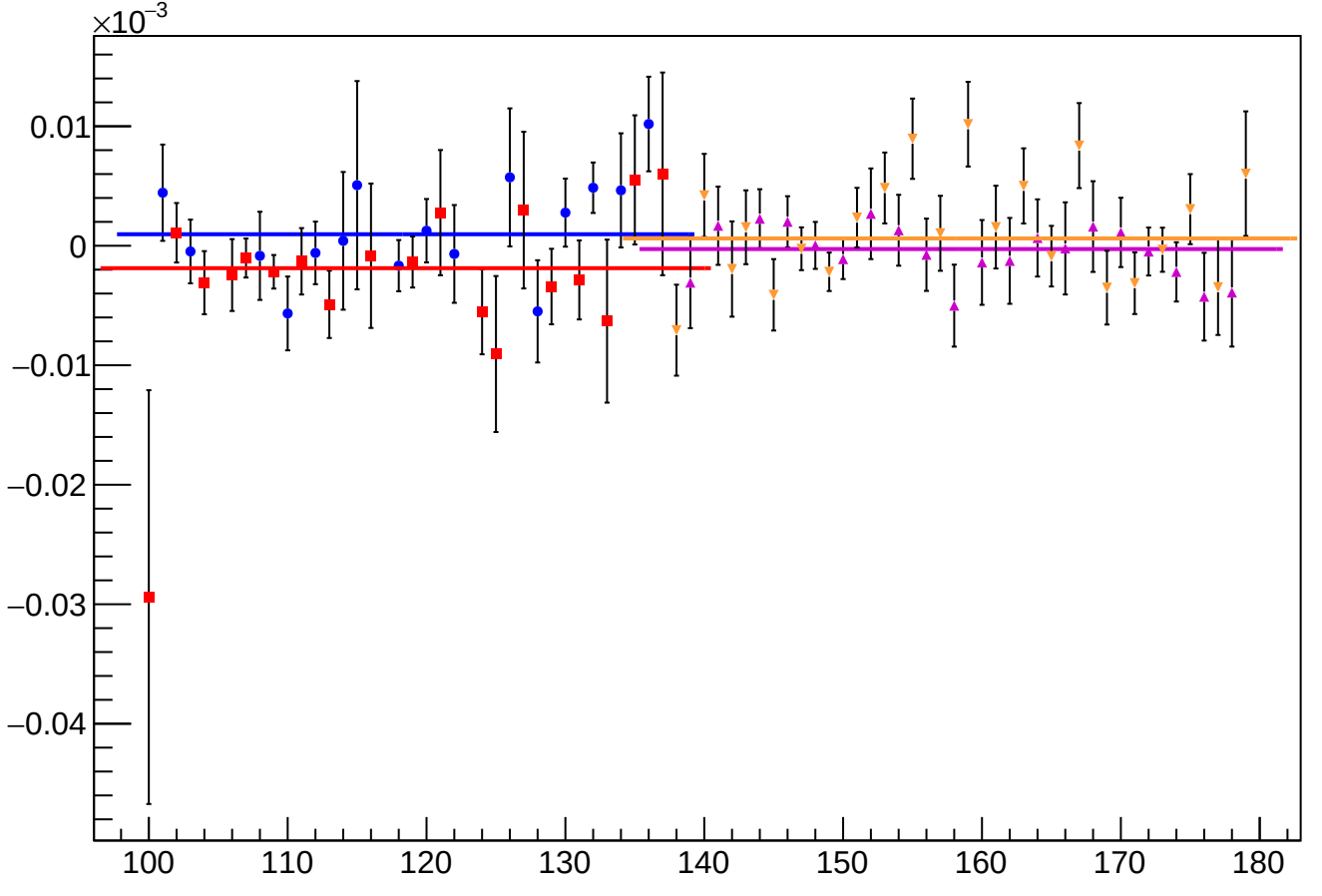
Left: 47.577+/-0.006 χ^2/NDF: 3733099.7/41

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.477+/-0.007 χ^2/NDF:3262613.9/35

Out: 40.632+/-0.006 χ^2/NDF:5754212.3/40

All: 41.042+/-0.005 χ^2/NDF: 9025378.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/21

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/19

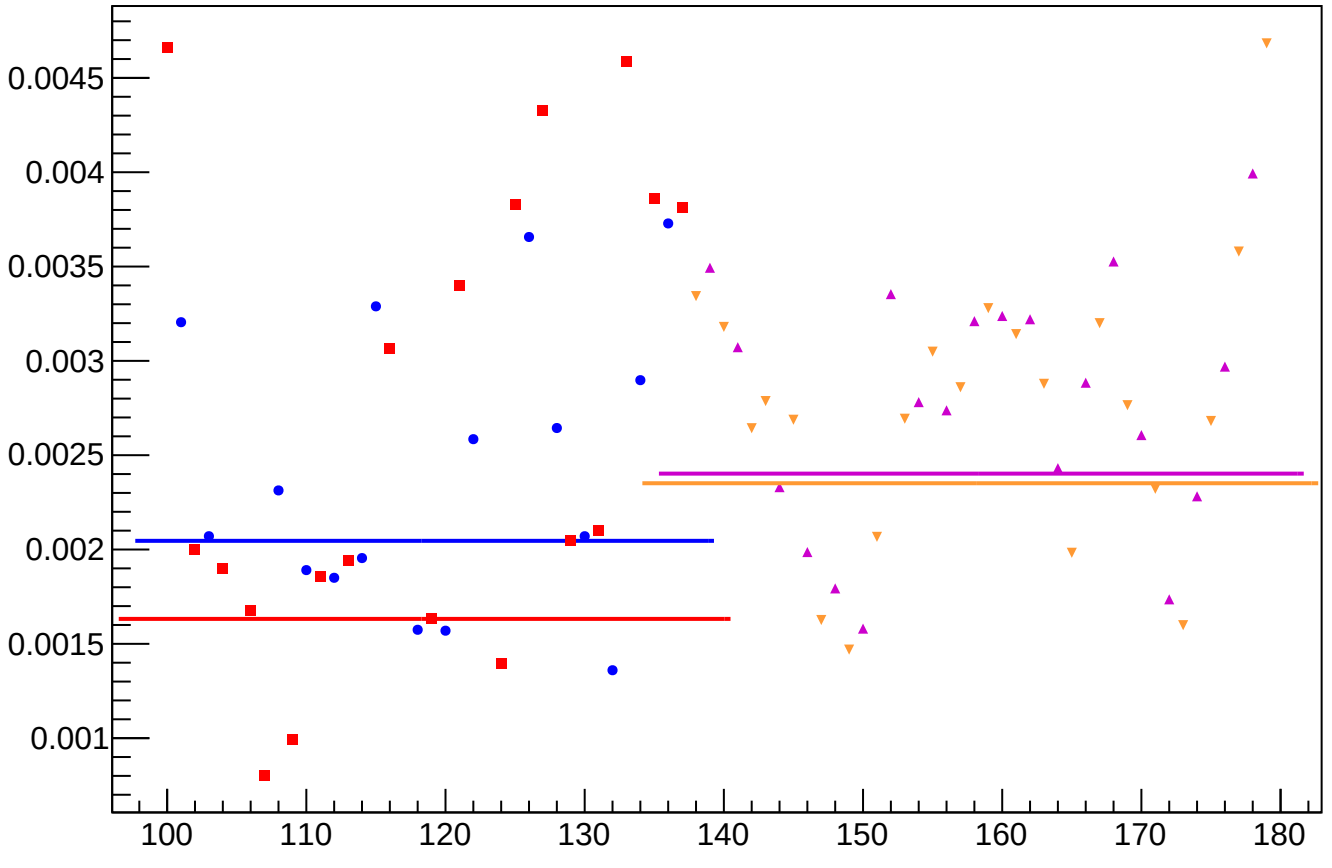
Left: 0.000+/-0.000 χ^2/NDF: 51.9/41

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:31.8/35

Out: -0.000+/-0.000 χ^2/NDF:62.1/40

All: -0.000+/-0.000 χ^2/NDF: 94.9/76



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2882162.5/21

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:2245896.8/19

Left: 0.002+/-0.000 χ^2/NDF: 5135115.2/41

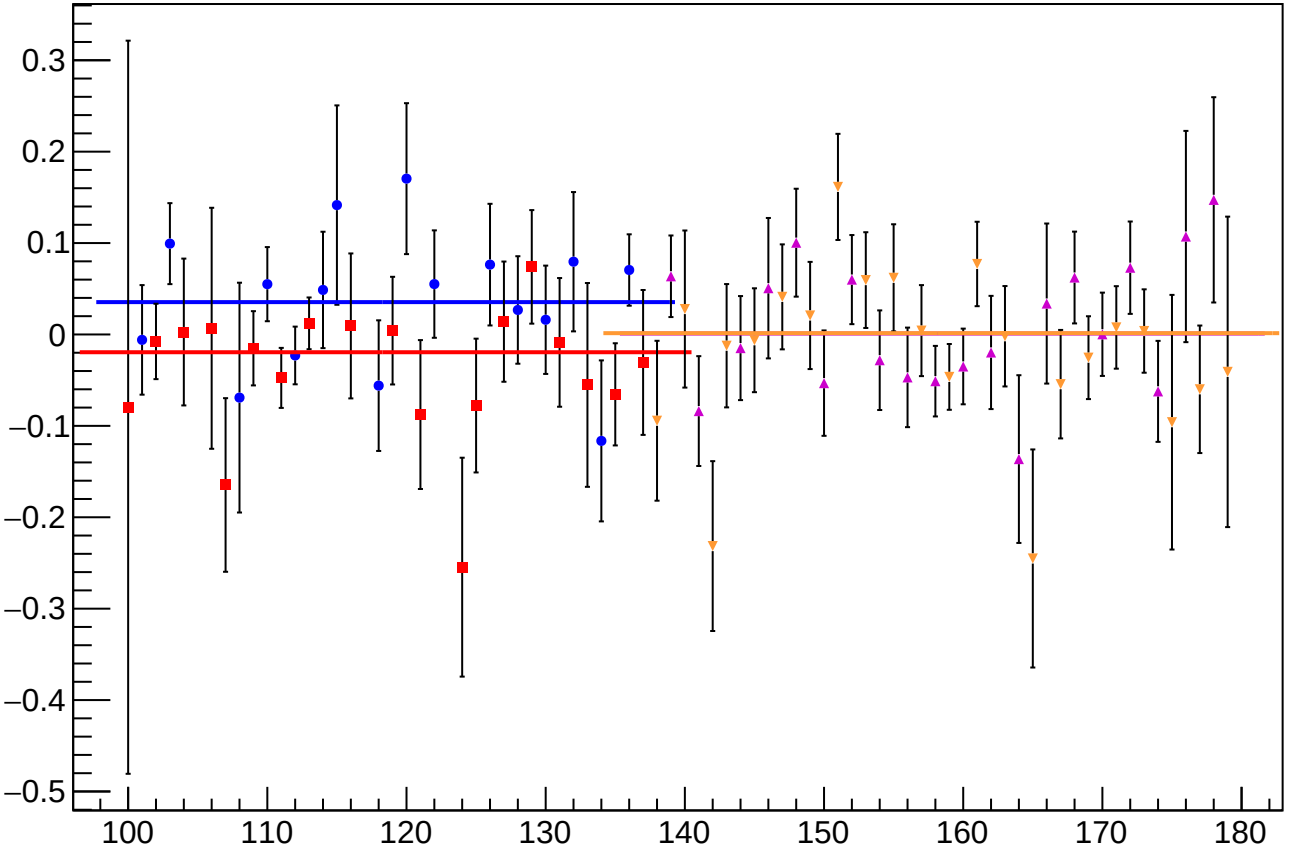
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3750231.1/35

Out: 0.002+/-0.000 χ^2/NDF:7104918.0/40

All: 0.002+/-0.000 χ^2/NDF: 11102458.8/76

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:23.2/19

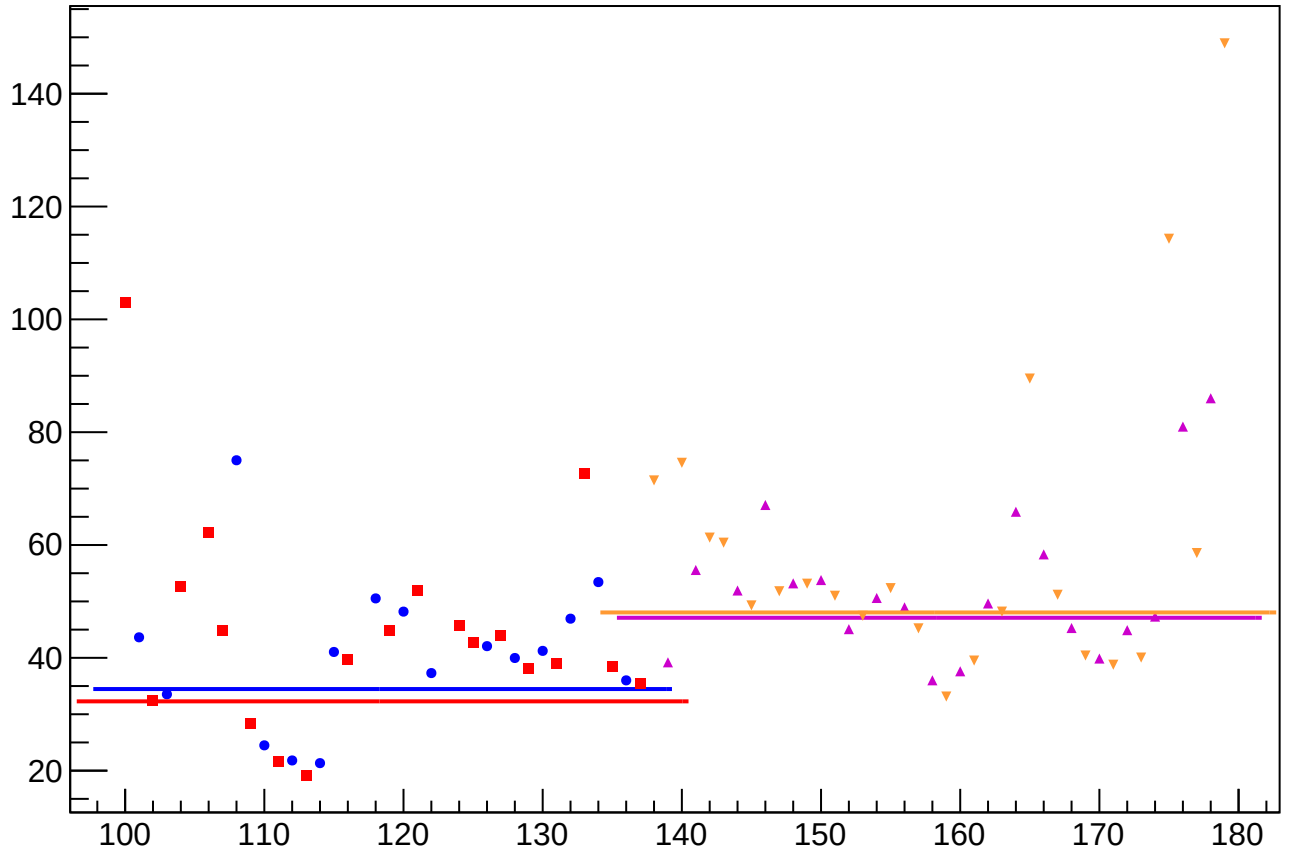
Left: 0.001+/-0.009 χ^2/NDF: 52.6/41

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.2/40

All: 0.004+/-0.006 χ^2/NDF: 91.3/76



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 48.046+/-0.009 χ^2/NDF:2553749.5/21

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.103+/-0.009 χ^2/NDF:1173563.3/19

Left: 47.578+/-0.006 χ^2/NDF: 3733085.4/41

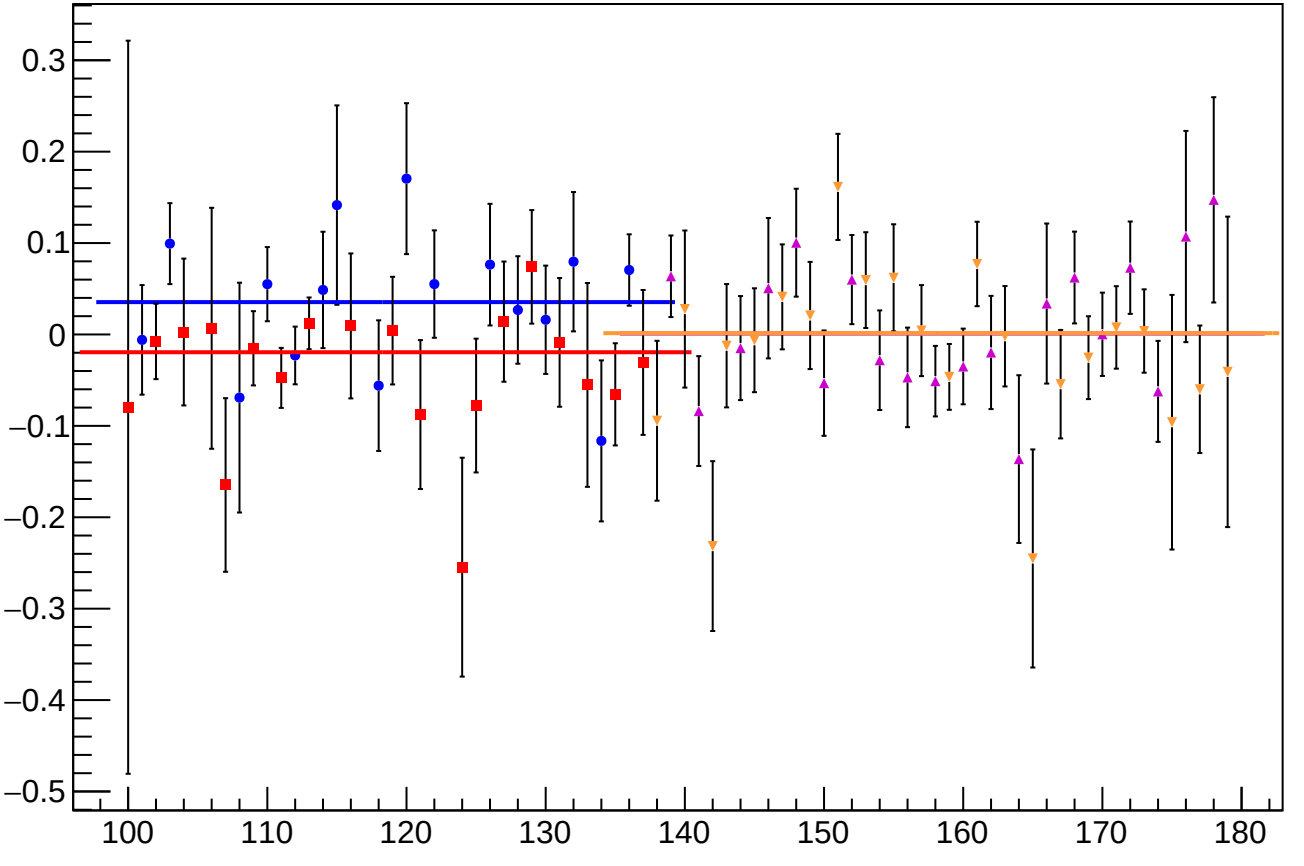
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.477+/-0.007 χ^2/NDF:3262571.7/35

Out: 40.632+/-0.006 χ^2/NDF:5754179.4/40

All: 41.042+/-0.005 χ^2/NDF: 9025303.0/76

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.001+/-0.012 χ^2/NDF:29.4/21

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.012 χ^2/NDF:23.2/19

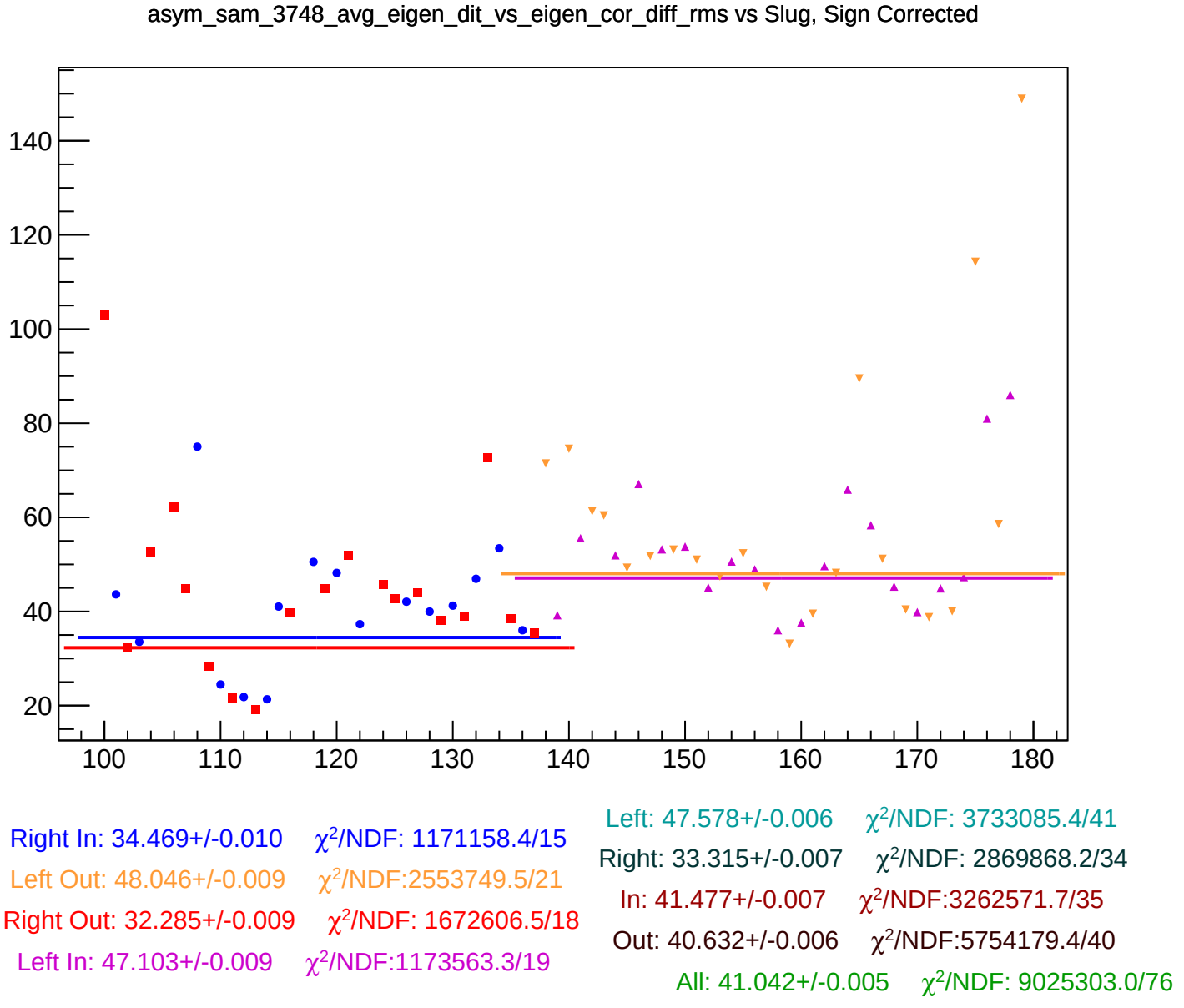
Left: 0.001+/-0.009 χ^2/NDF: 52.6/41

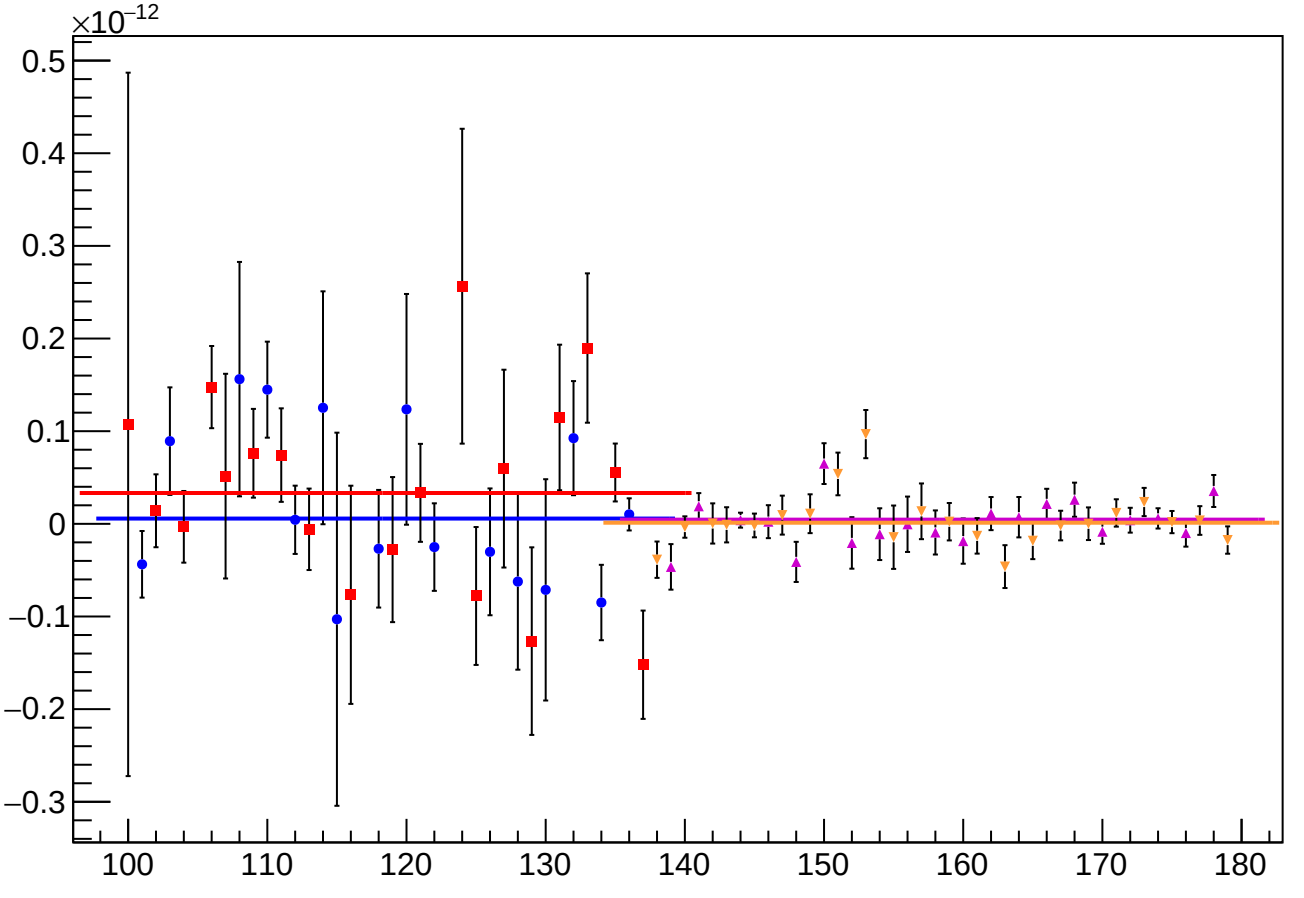
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.2/40

All: 0.004+/-0.006 χ^2/NDF: 91.3/76


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 34.469+/-0.010 χ2/NDF: 1171158.4/15
Left Out: 48.046+/-0.009 χ2/NDF:2553749.5/21
Right Out: 32.285+/-0.009 χ2/NDF: 1672606.5/18
Left In: 47.103+/-0.009 χ2/NDF:1173563.3/19
Left: 47.578+/-0.006 χ2/NDF: 3733085.4/41
Right: 33.315+/-0.007 χ2/NDF: 2869868.2/34
In: 41.477+/-0.007 χ2/NDF:3262571.7/35
Out: 40.632+/-0.006 χ2/NDF:5754179.4/40
All: 41.042+/-0.005 χ2/NDF: 9025303.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.9/21

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/19

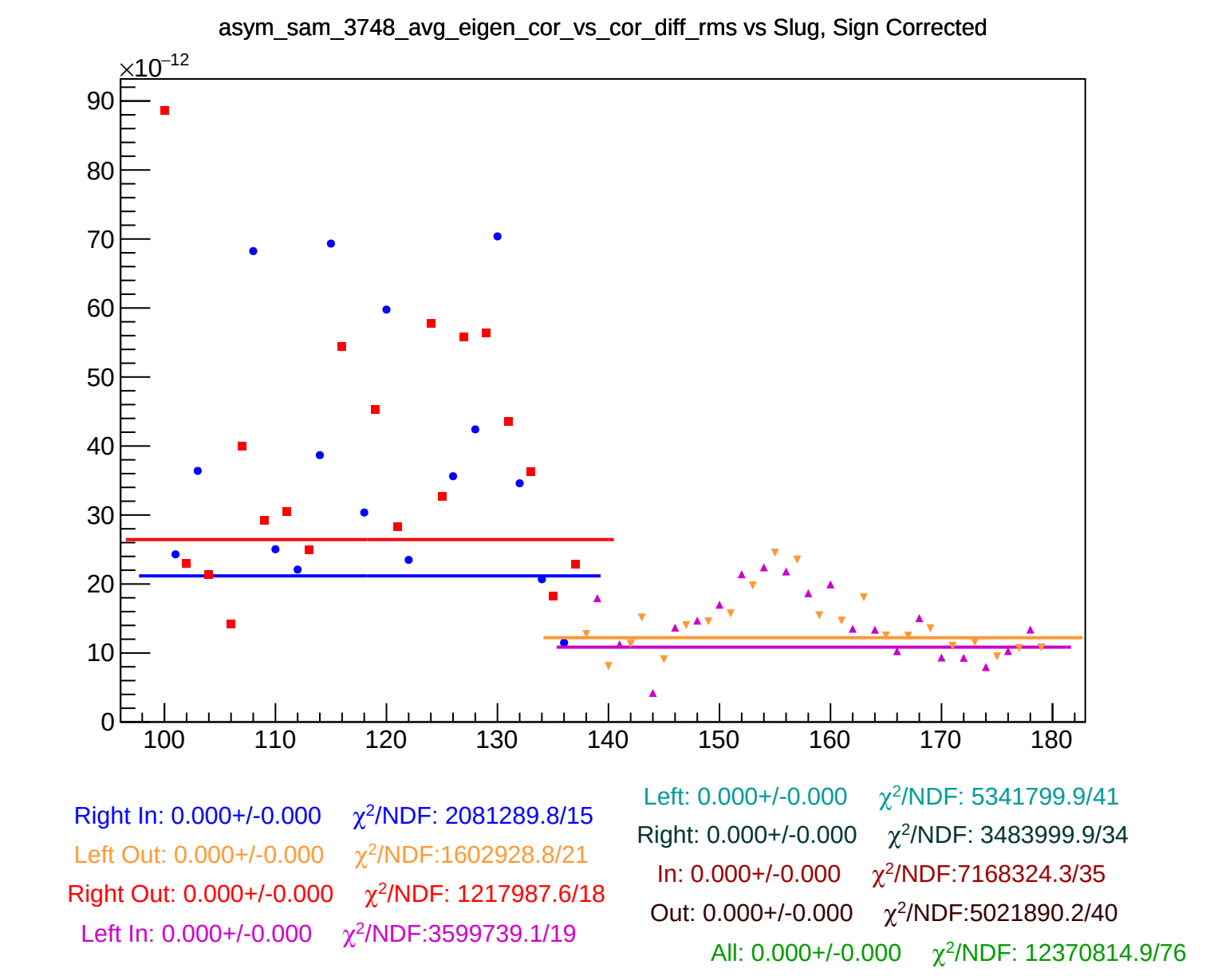
Left: 0.000+/-0.000 χ^2/NDF: 61.8/41

Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

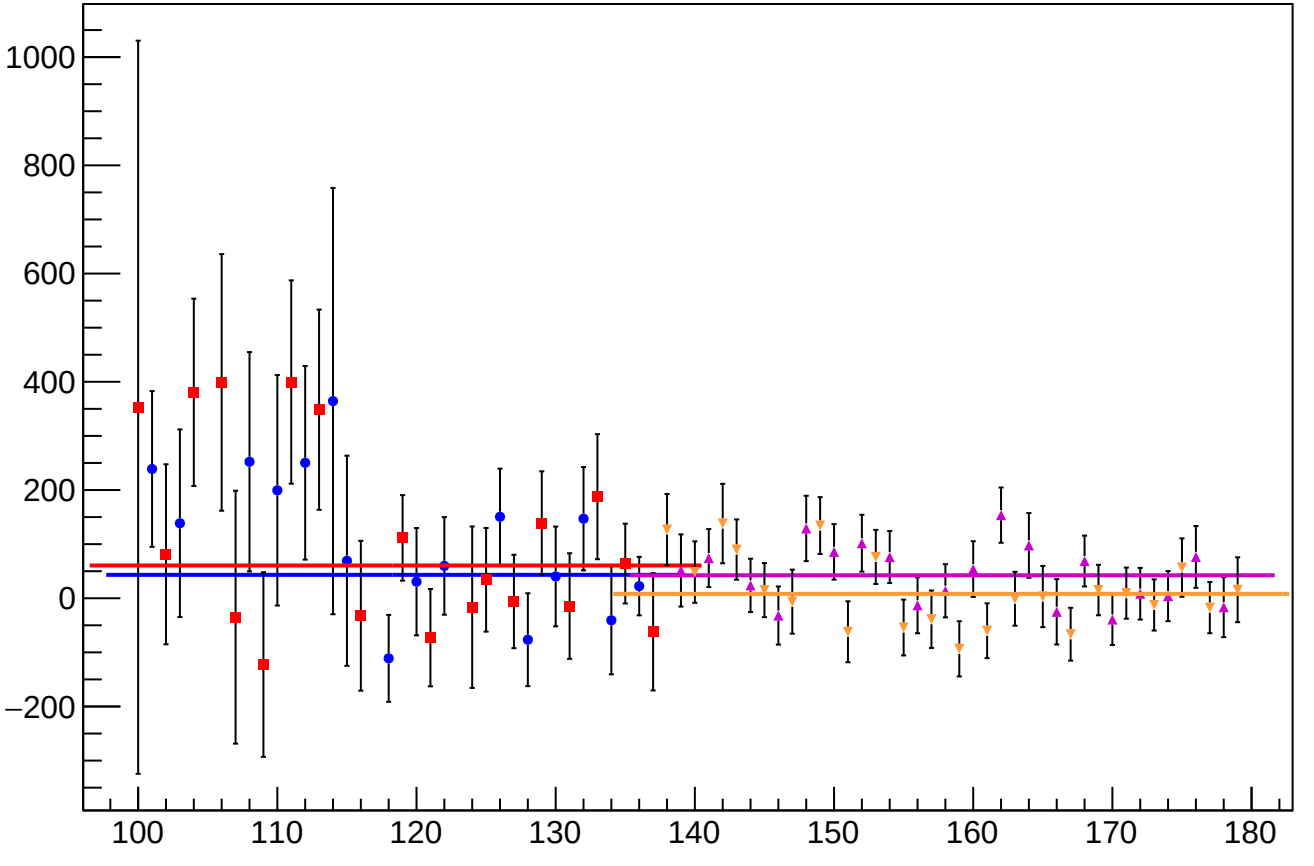
In: 0.000+/-0.000 χ^2/NDF:51.1/35

Out: 0.000+/-0.000 χ^2/NDF:73.0/40

All: 0.000+/-0.000 χ^2/NDF: 124.1/76


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1602928.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3599739.1/19
Left: 0.000+/-0.000 χ²/NDF: 5341799.9/41
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7168324.3/35
Out: 0.000+/-0.000 χ²/NDF:5021890.2/40
All: 0.000+/-0.000 χ²/NDF: 12370814.9/76

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.116+/-11.267 χ^2/NDF:30.0/21

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 42.468+/-11.681 χ^2/NDF:21.4/19

Left: 24.673+/-8.110 χ^2/NDF: 55.9/41

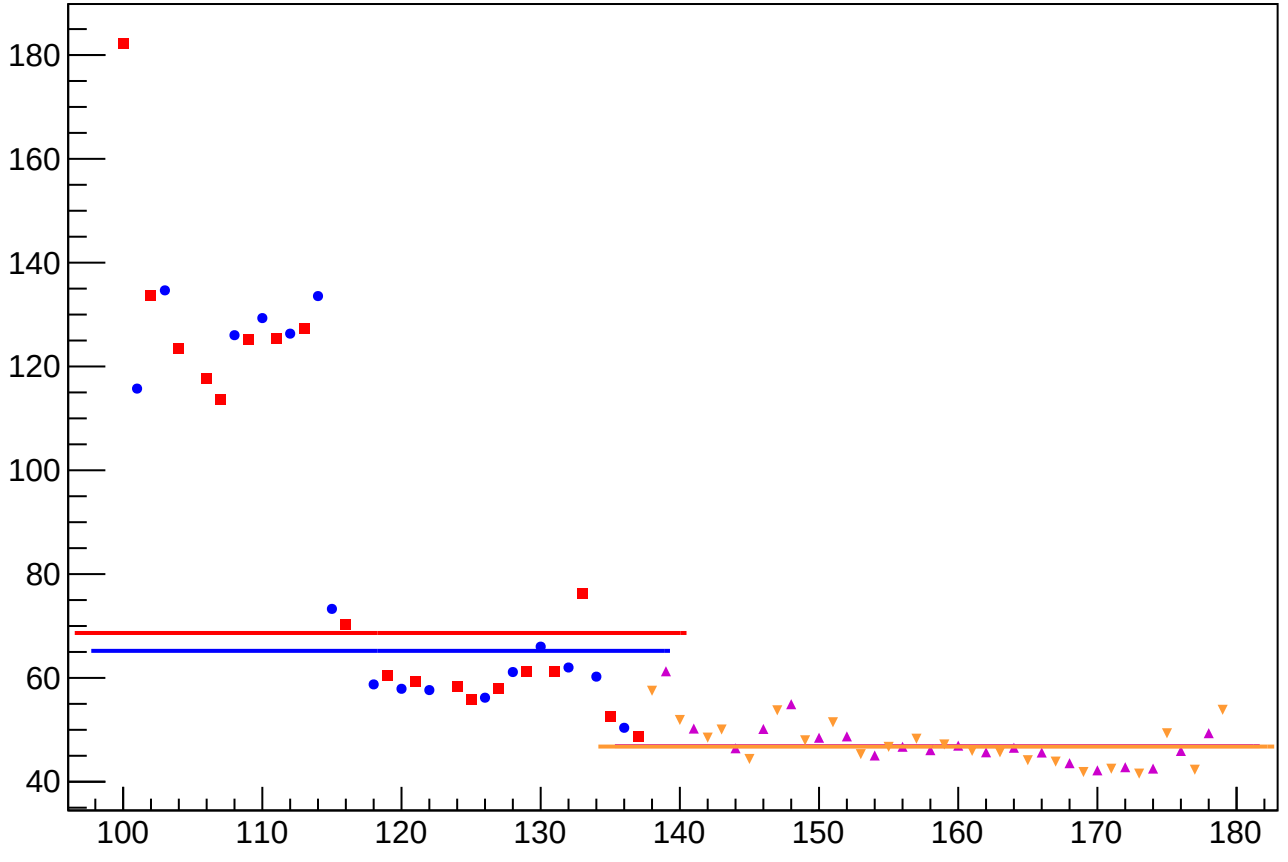
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 42.601+/-10.640 χ^2/NDF:36.3/35

Out: 15.950+/-10.392 χ^2/NDF:53.7/40

All: 28.961+/-7.434 χ^2/NDF: 93.2/76

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

Left: 46.818+/-0.006 χ^2/NDF: 475281.6/41

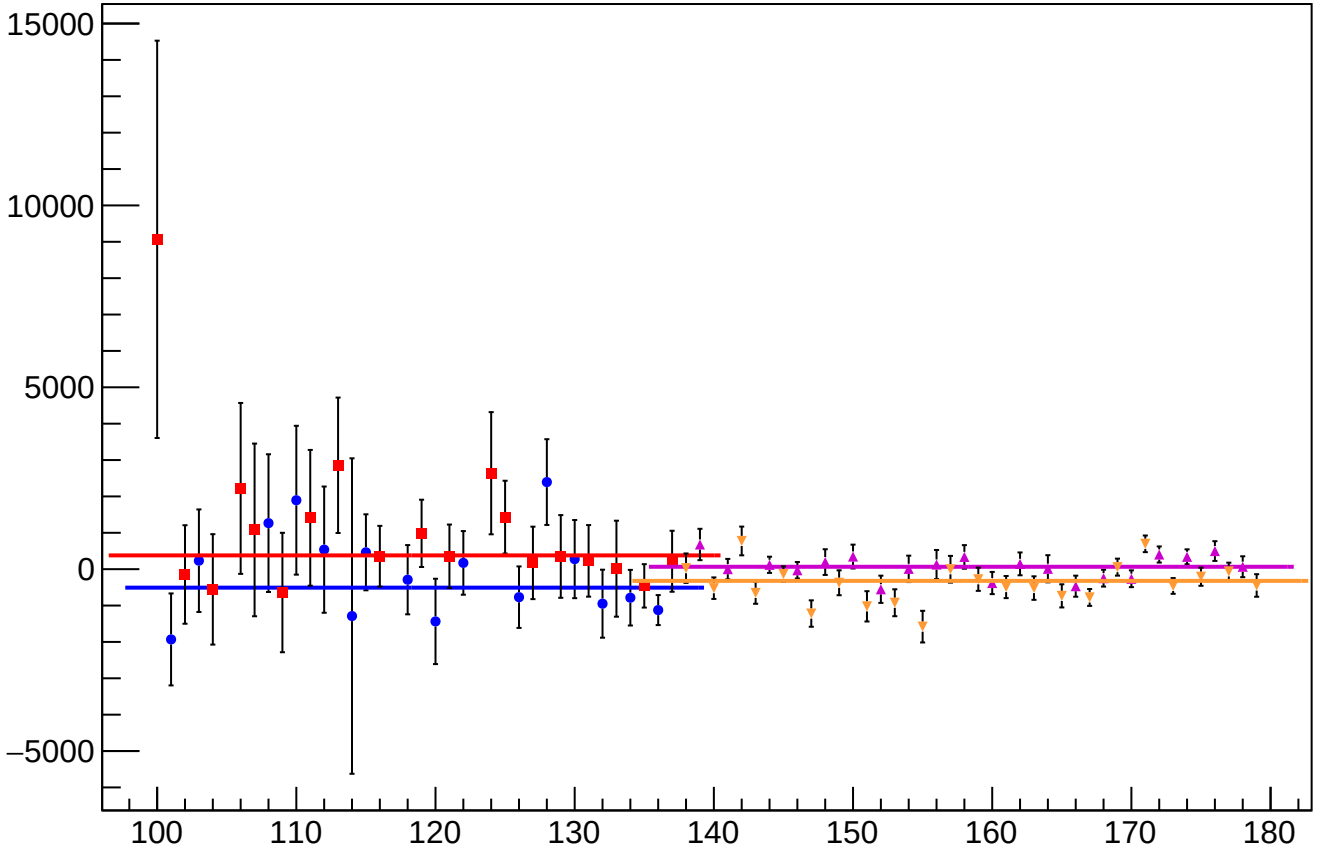
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 49.990+/-0.008 χ^2/NDF:2507799.0/35

Out: 50.041+/-0.007 χ^2/NDF:3021615.3/40

All: 50.016+/-0.005 χ^2/NDF: 5529438.1/76

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.788+/-61.958 χ^2/NDF:62.3/21

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 65.809+/-62.903 χ^2/NDF:22.8/19

Left: -130.922+/-44.141 χ^2/NDF: 104.4/41

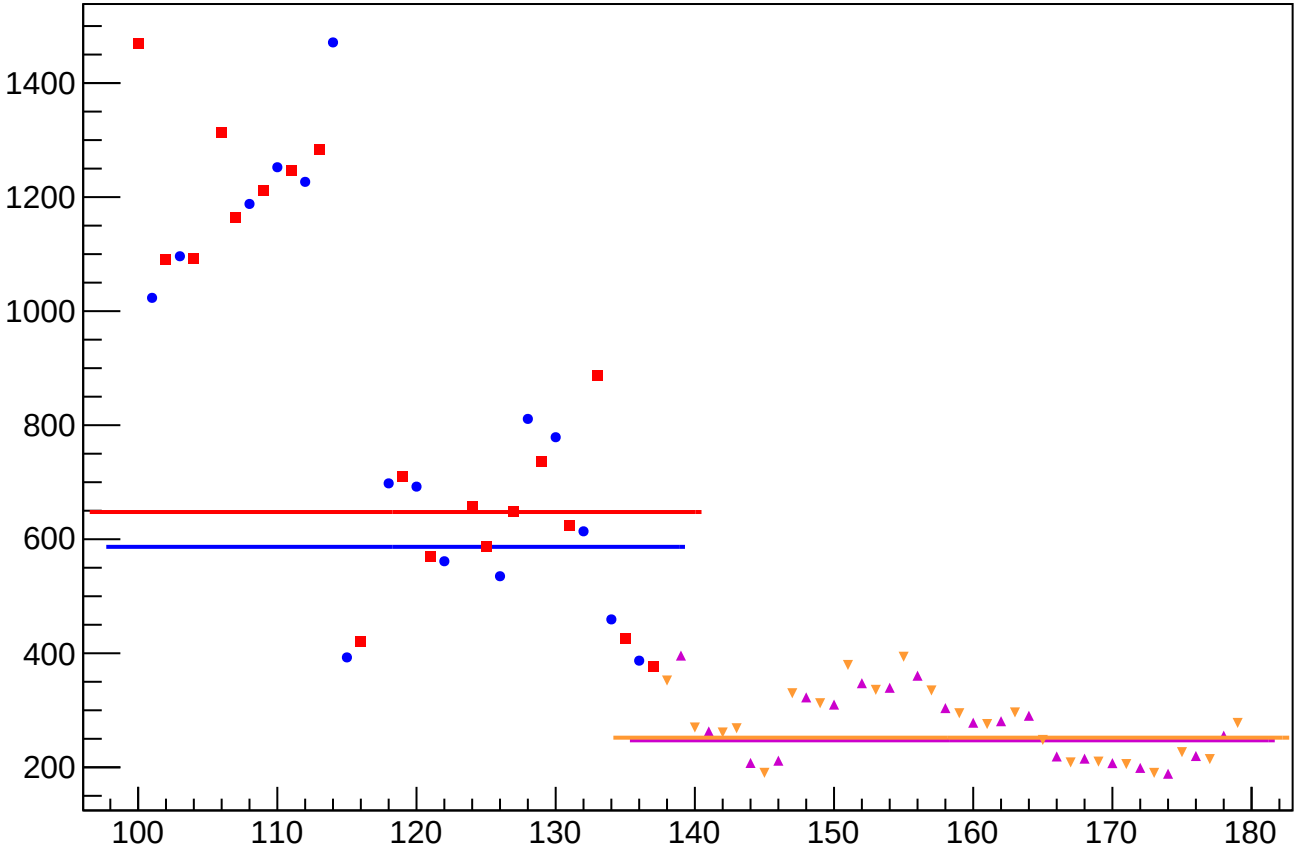
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 28.036+/-60.797 χ^2/NDF:43.9/35

Out: -283.132+/-60.225 χ^2/NDF:81.1/40

All: -129.020+/-42.786 χ^2/NDF: 138.2/76

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 251.981+/-0.044 χ^2/NDF:1613444.3/21

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 247.323+/-0.044 χ^2/NDF:1482604.3/19

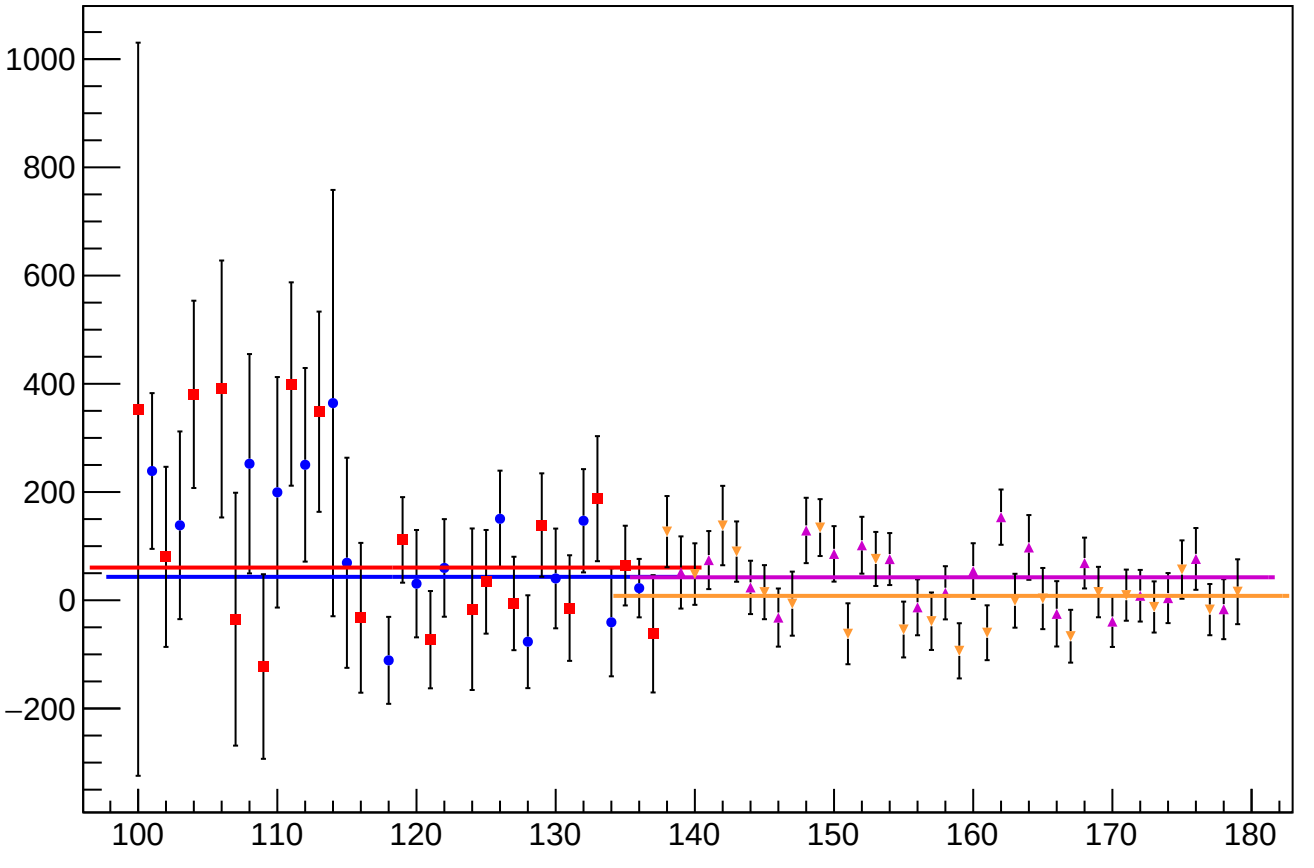
Left: 249.687+/-0.031 χ^2/NDF: 3101614.7/41

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 269.663+/-0.043 χ^2/NDF:7367366.1/35

Out: 273.814+/-0.043 χ^2/NDF:8220796.6/40

All: 271.758+/-0.030 χ^2/NDF: 15592868.1/76



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 42.468+/-11.681 χ^2/NDF:21.4/19

Left: 24.673+/-8.110 χ^2/NDF: 55.9/41

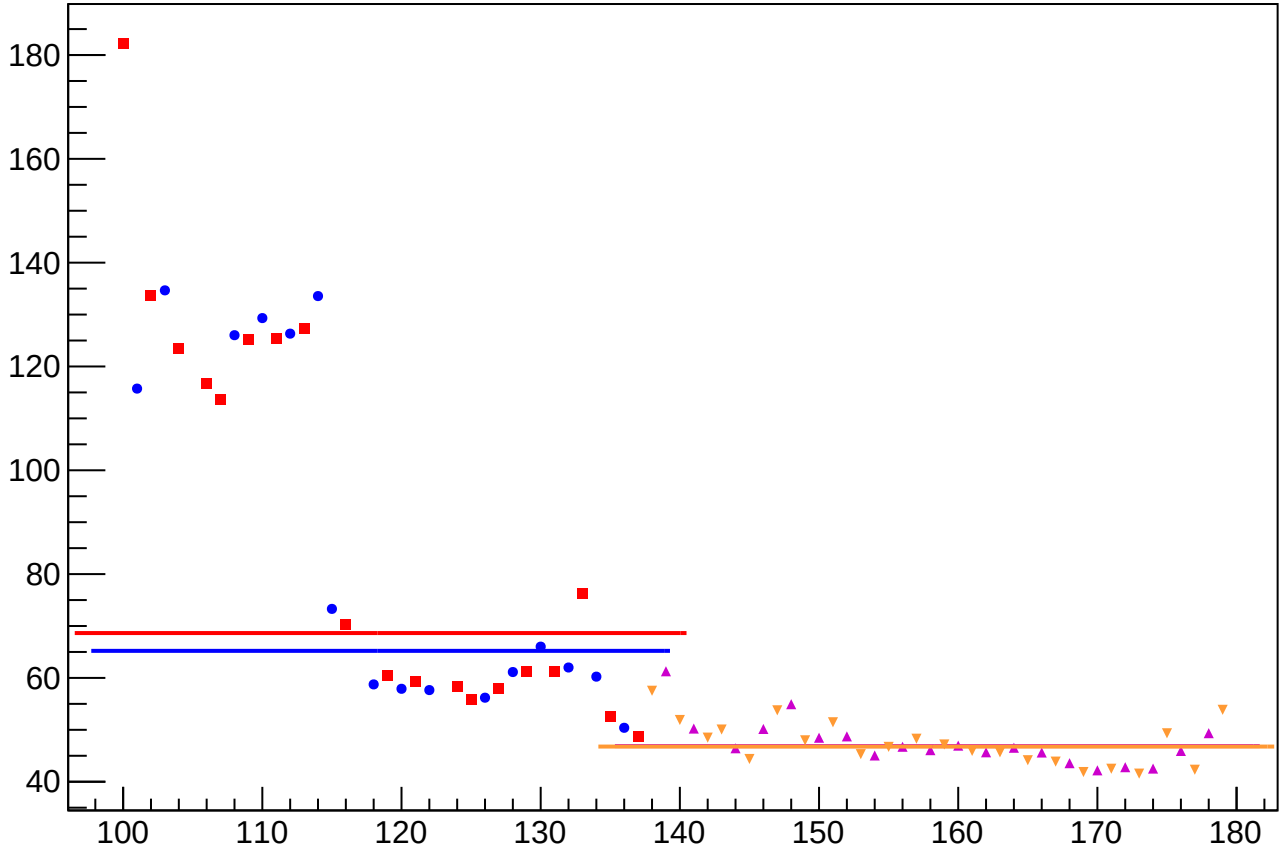
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.599+/-10.640 χ^2/NDF:36.3/35

Out: 15.927+/-10.392 χ^2/NDF:53.5/40

All: 28.949+/-7.434 χ^2/NDF: 93.1/76

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

Left: 46.818+/-0.006 χ^2/NDF: 475281.5/41

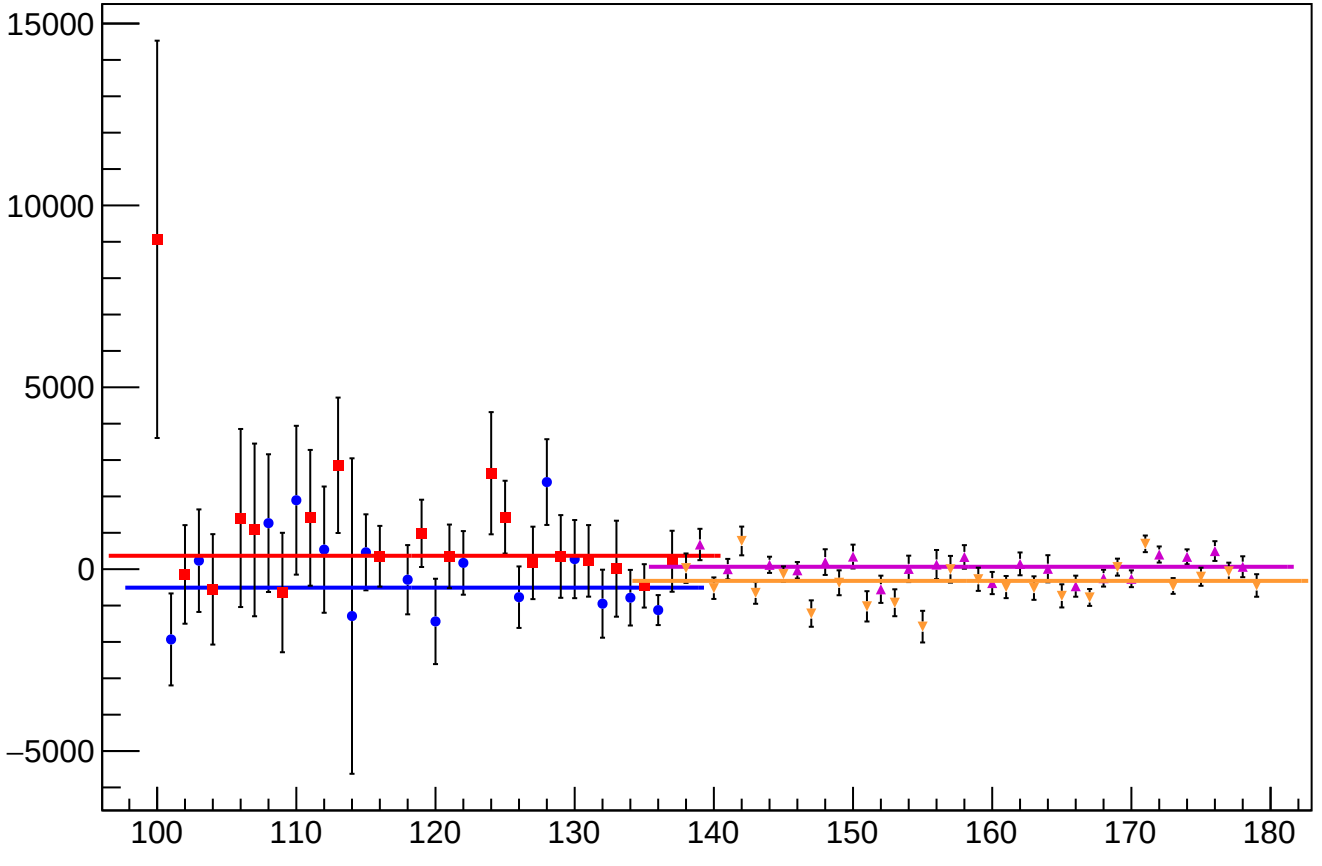
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 49.990+/-0.008 χ^2/NDF:2507801.0/35

Out: 50.039+/-0.007 χ^2/NDF:3016733.8/40

All: 50.015+/-0.005 χ^2/NDF: 5524556.5/76

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.784+/-61.958 χ^2/NDF:62.3/21

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 65.807+/-62.903 χ^2/NDF:22.8/19

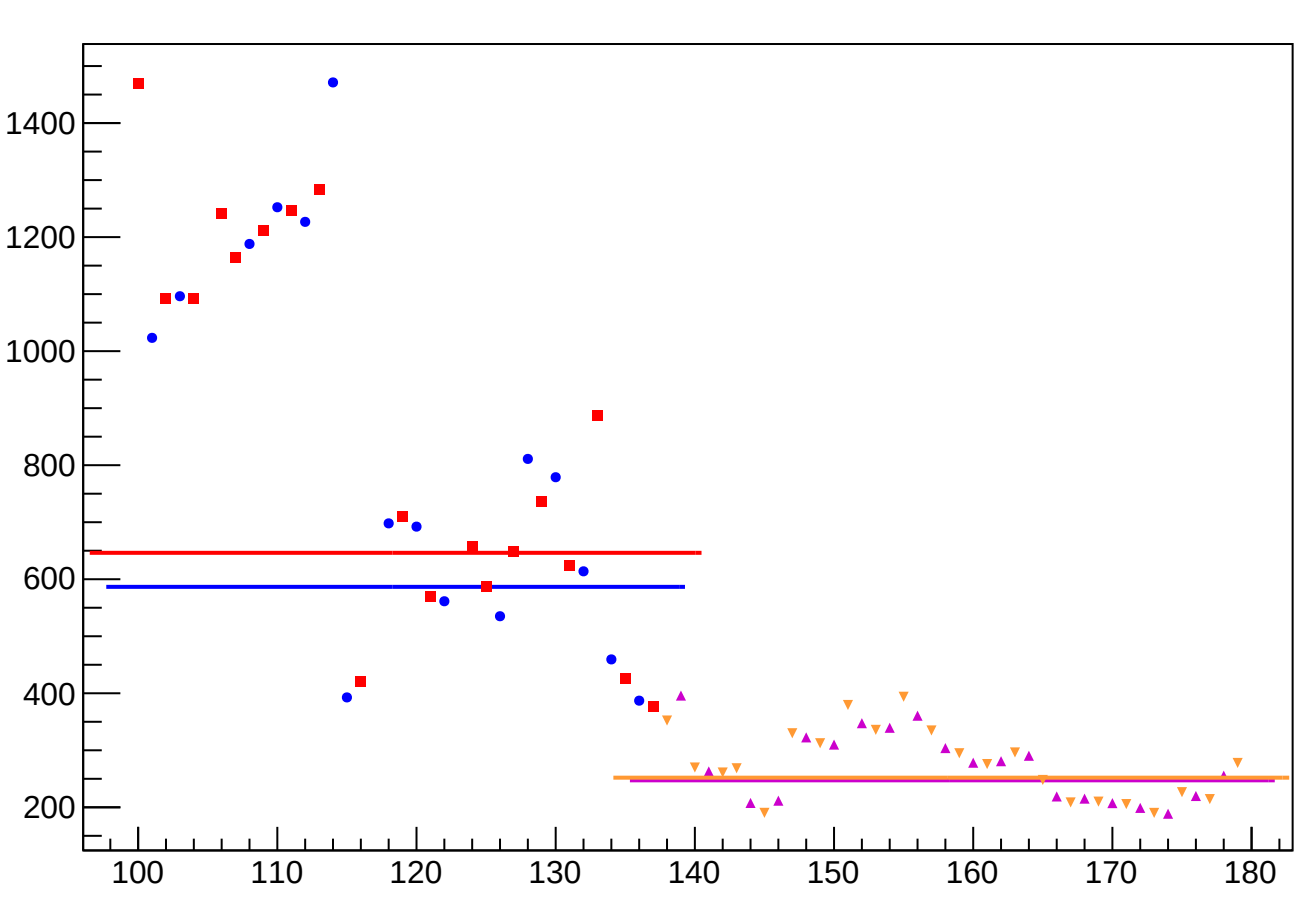
Left: -130.922+/-44.141 χ^2/NDF: 104.4/41

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 28.035+/-60.797 χ^2/NDF:43.9/35

Out: -283.748+/-60.226 χ^2/NDF:80.4/40

All: -129.327+/-42.787 χ^2/NDF: 137.6/76



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

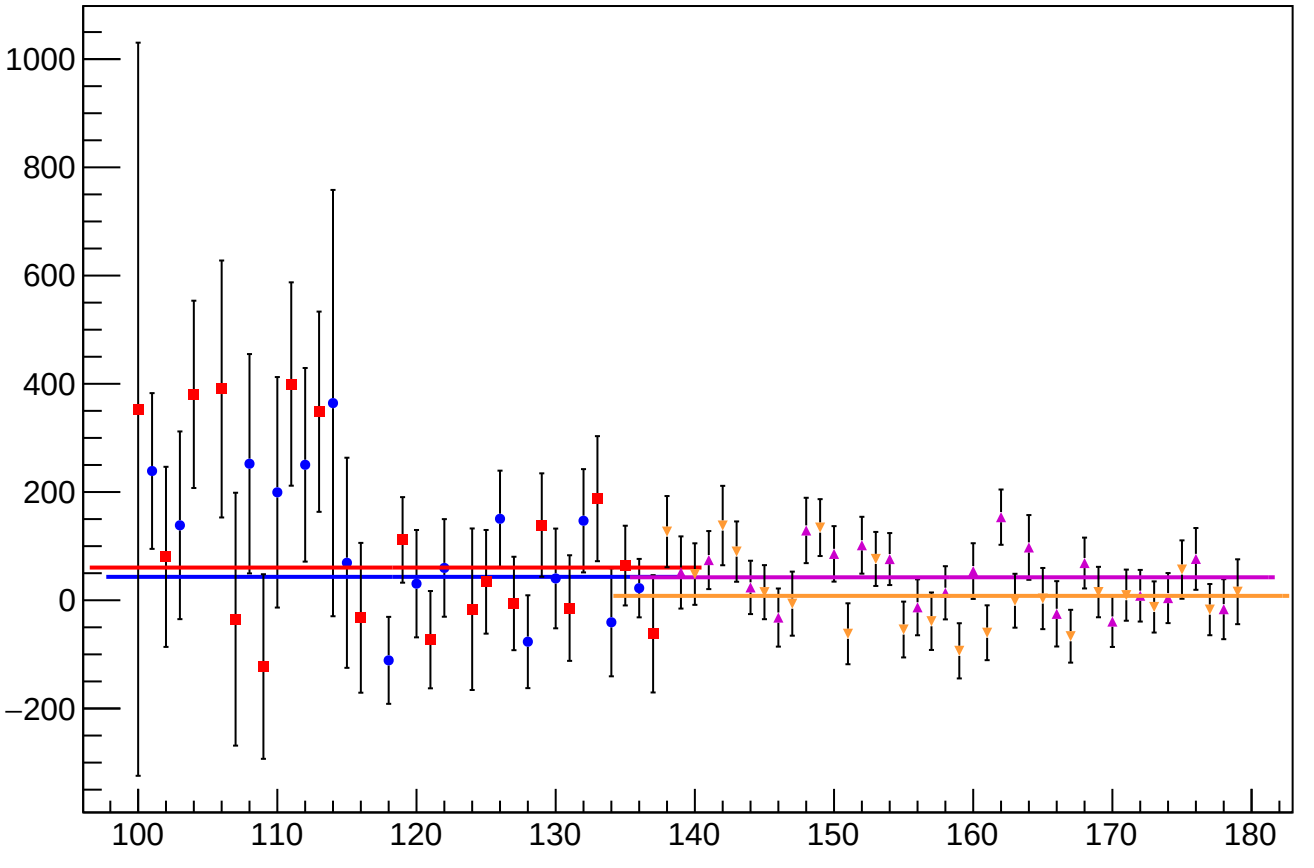
Left: 249.687+/-0.031 χ^2/NDF: 3101620.5/41

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 269.663+/-0.043 χ^2/NDF:7367378.6/35

Out: 273.715+/-0.043 χ^2/NDF:8142208.1/40

All: 271.708+/-0.030 χ^2/NDF: 15514071.7/76



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.117+/-11.267 χ^2/NDF:30.0/21

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 42.468+/-11.681 χ^2/NDF:21.4/19

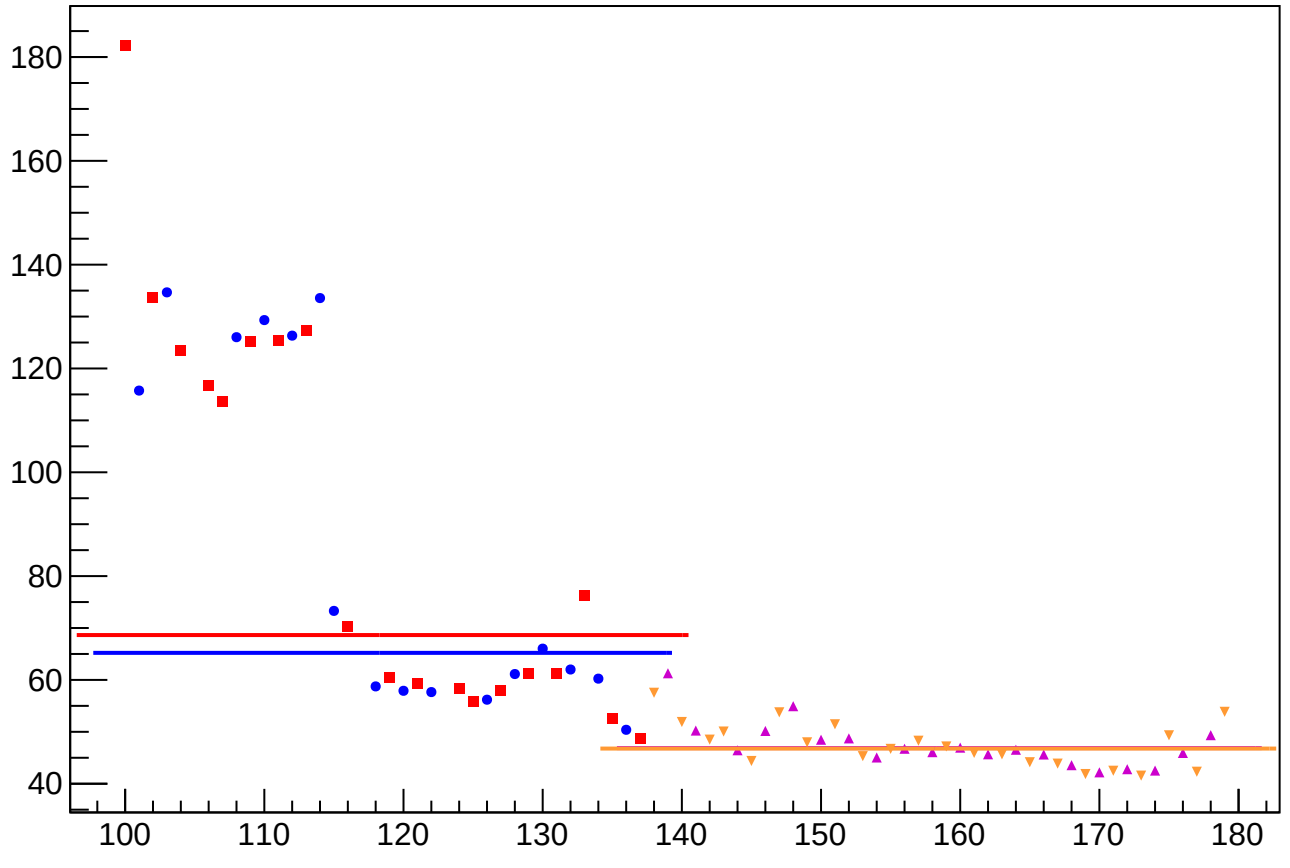
Left: 24.673+/-8.110 χ^2/NDF: 55.9/41

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.599+/-10.640 χ^2/NDF:36.3/35

Out: 15.927+/-10.392 χ^2/NDF:53.5/40

All: 28.949+/-7.434 χ^2/NDF: 93.1/76



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.774+/-0.008 χ^2/NDF:254376.5/21

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.865+/-0.008 χ^2/NDF:220842.5/19

Left: 46.818+/-0.006 χ^2/NDF: 475281.5/41

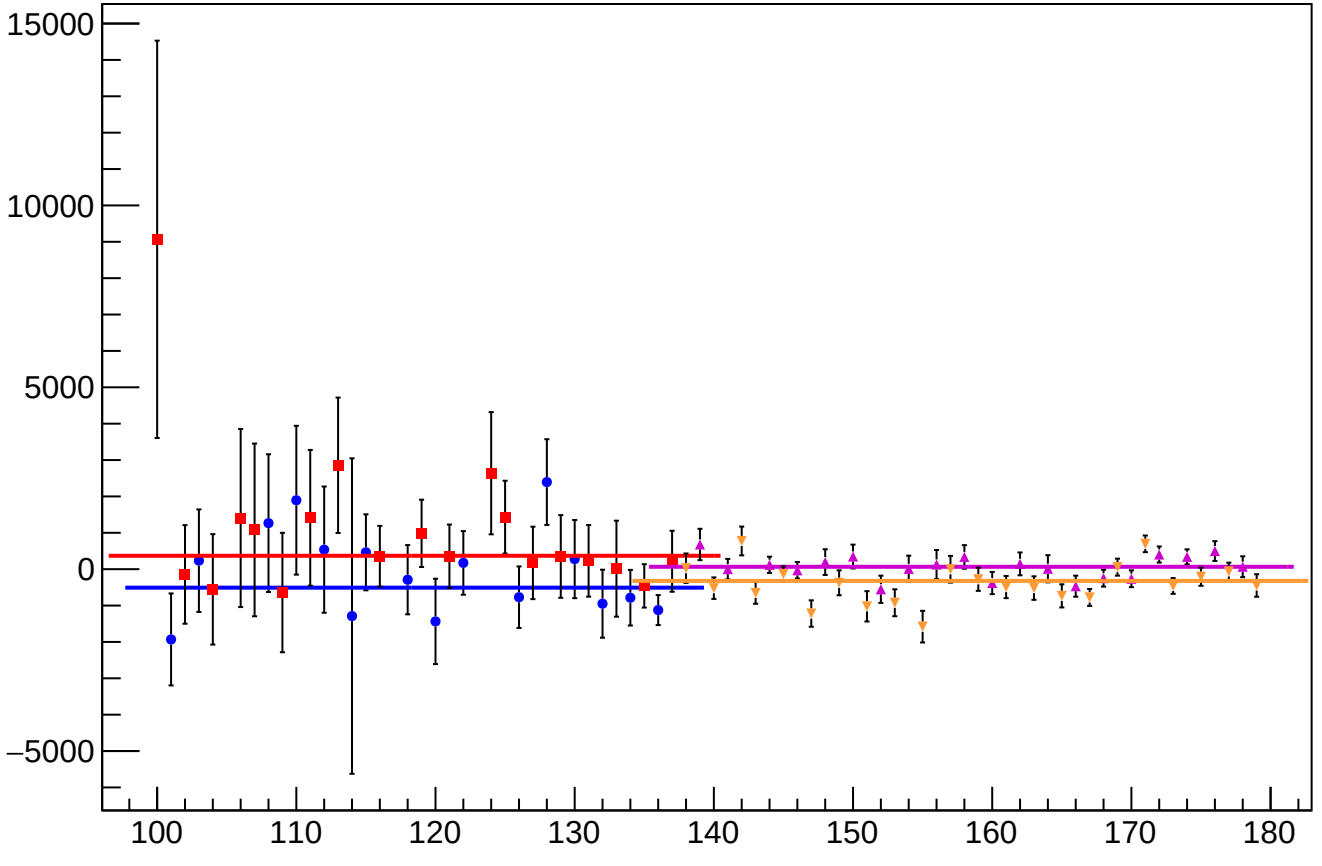
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 49.990+/-0.008 χ^2/NDF:2507801.0/35

Out: 50.039+/-0.007 χ^2/NDF:3016733.8/40

All: 50.015+/-0.005 χ^2/NDF: 5524556.5/76

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -321.784+/-61.958 χ^2/NDF:62.3/21

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 65.807+/-62.903 χ^2/NDF:22.8/19

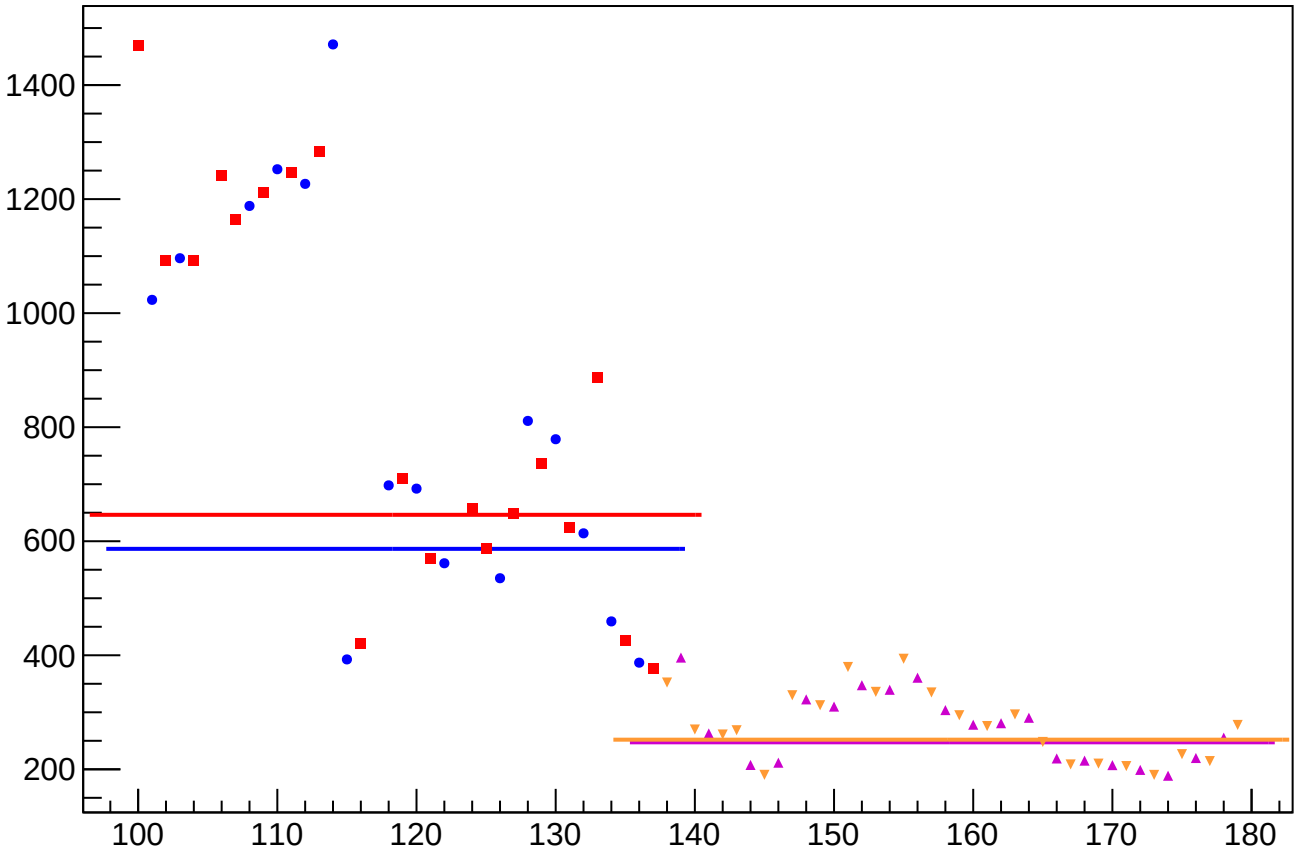
Left: -130.922+/-44.141 χ^2/NDF: 104.4/41

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 28.035+/-60.797 χ^2/NDF:43.9/35

Out: -283.748+/-60.226 χ^2/NDF:80.4/40

All: -129.327+/-42.787 χ^2/NDF: 137.6/76



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 251.980+/-0.044 χ^2/NDF:1613456.1/21

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

Left: 249.687+/-0.031 χ^2/NDF: 3101620.5/41

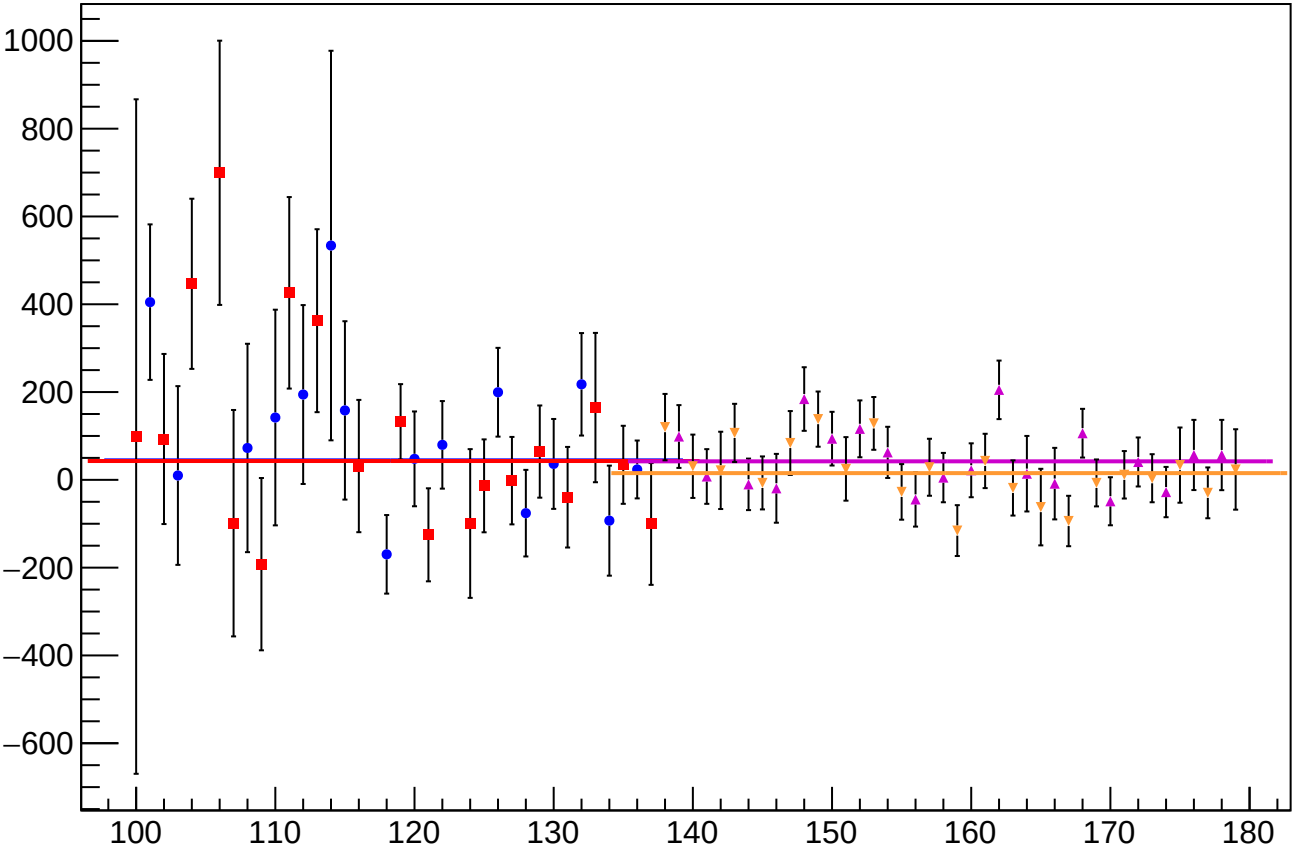
Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 269.663+/-0.043 χ^2/NDF:7367378.6/35

Out: 273.715+/-0.043 χ^2/NDF:8142208.1/40

All: 271.708+/-0.030 χ^2/NDF: 15514071.7/76

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.335+/-13.841 χ^2/NDF:23.7/21

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 42.178+/-14.365 χ^2/NDF:22.9/19

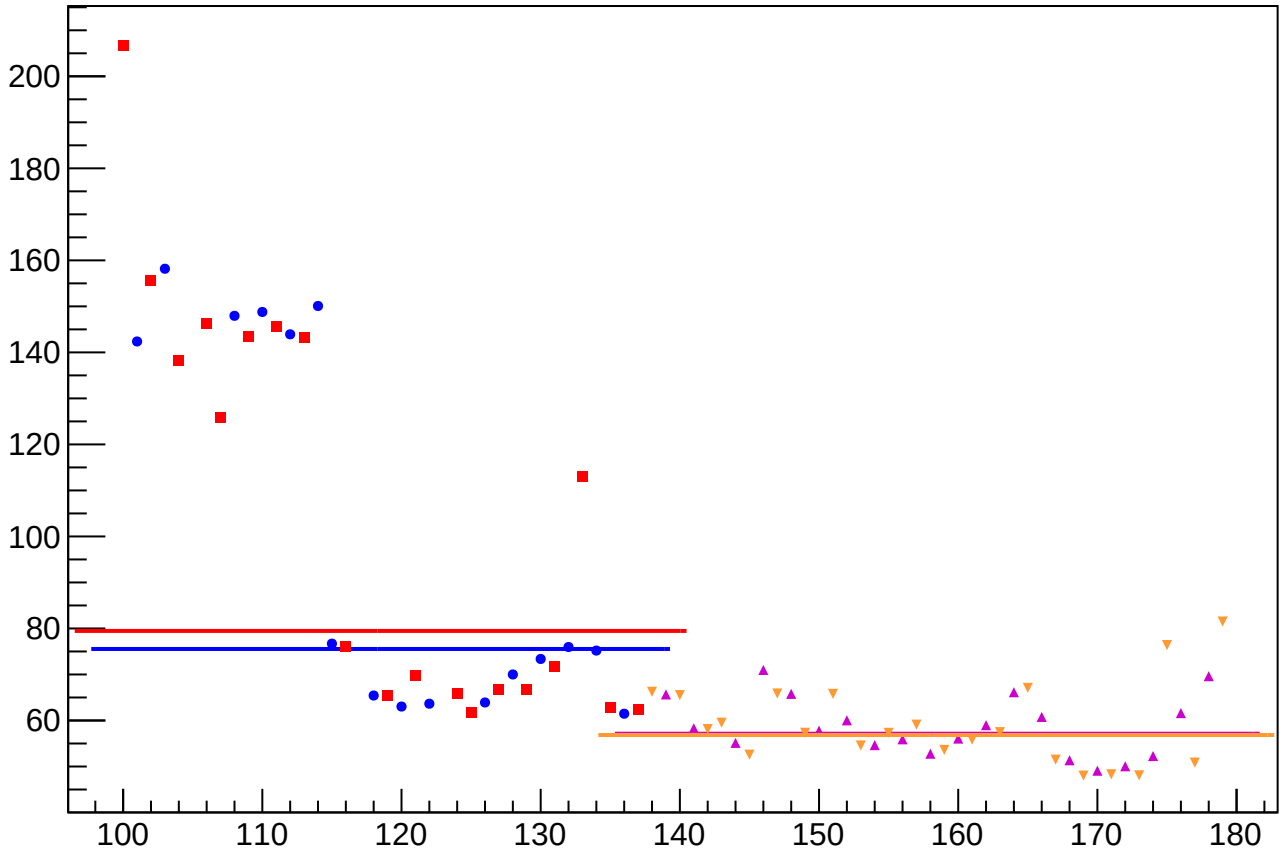
Left: 28.257+/-9.967 χ^2/NDF: 48.4/41

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.592+/-12.949 χ^2/NDF:42.6/35

Out: 19.856+/-12.655 χ^2/NDF:47.6/40

All: 30.963+/-9.051 χ^2/NDF: 91.7/76



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.846+/-0.010 χ^2/NDF:618311.6/21

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 57.130+/-0.010 χ^2/NDF:337568.3/19

Left: 56.983+/-0.007 χ^2/NDF: 956286.3/41

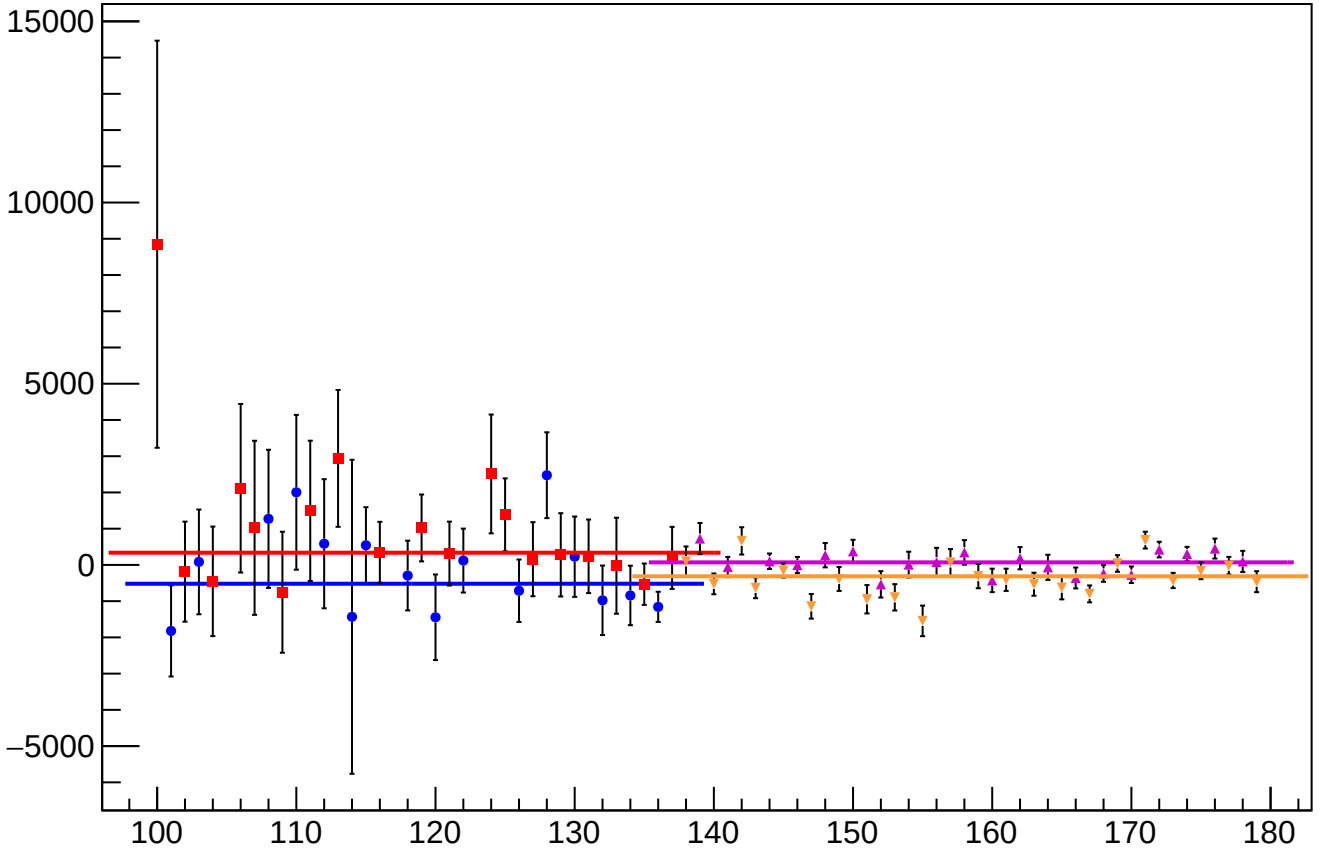
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.582+/-0.009 χ^2/NDF:2419121.2/35

Out: 60.556+/-0.009 χ^2/NDF:3178020.5/40

All: 60.569+/-0.006 χ^2/NDF: 5597145.9/76

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -313.203+/-60.490 χ^2/NDF:60.2/21

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 70.299+/-61.978 χ^2/NDF:22.3/19

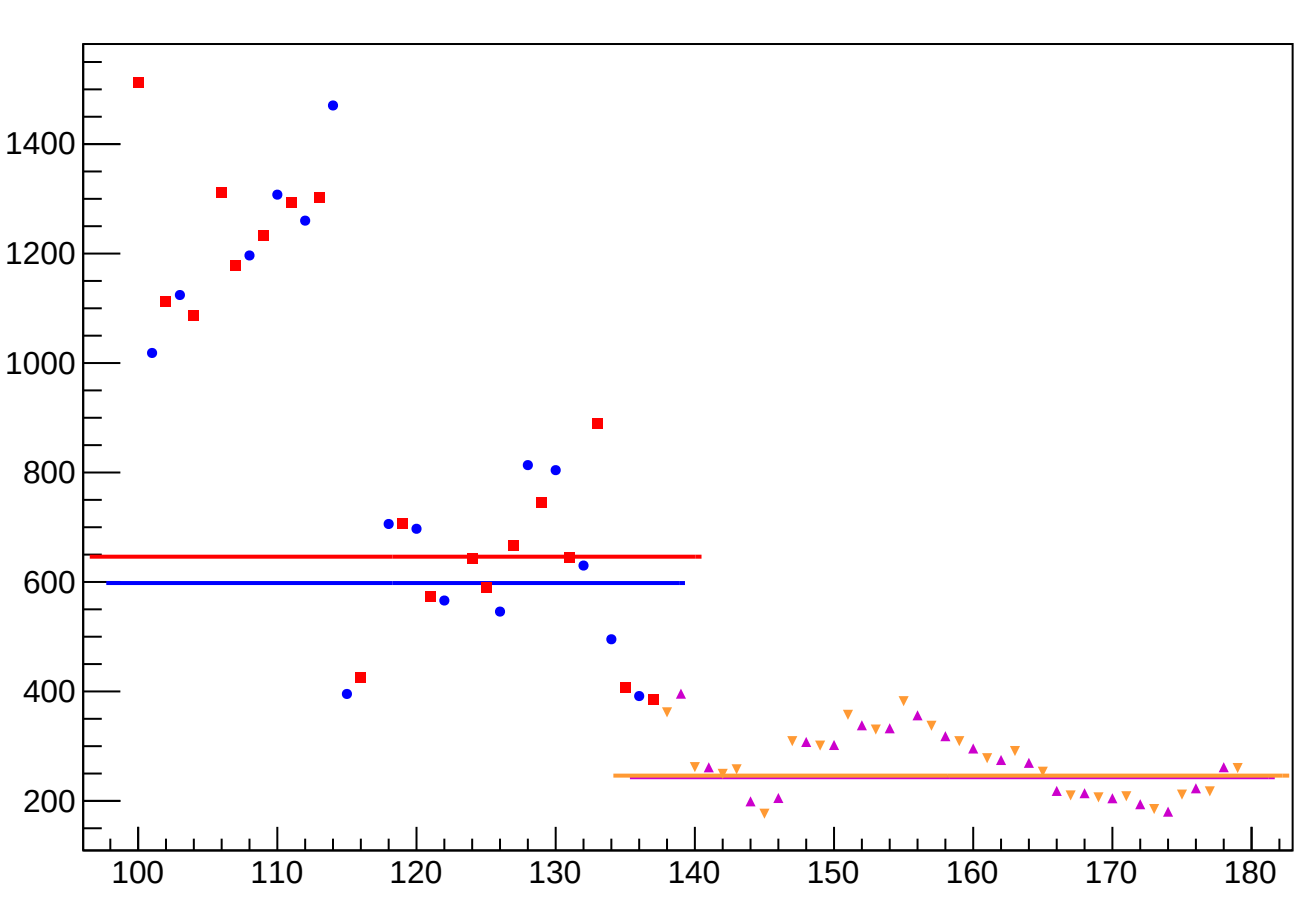
Left: -126.112+/-43.289 χ^2/NDF: 102.1/41

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 33.817+/-60.030 χ^2/NDF:43.7/35

Out: -278.992+/-58.876 χ^2/NDF:78.2/40

All: -125.622+/-42.034 χ^2/NDF: 135.7/76



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 246.198+/-0.043 χ^2/NDF:1678433.5/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 243.258+/-0.044 χ^2/NDF:1586441.8/19

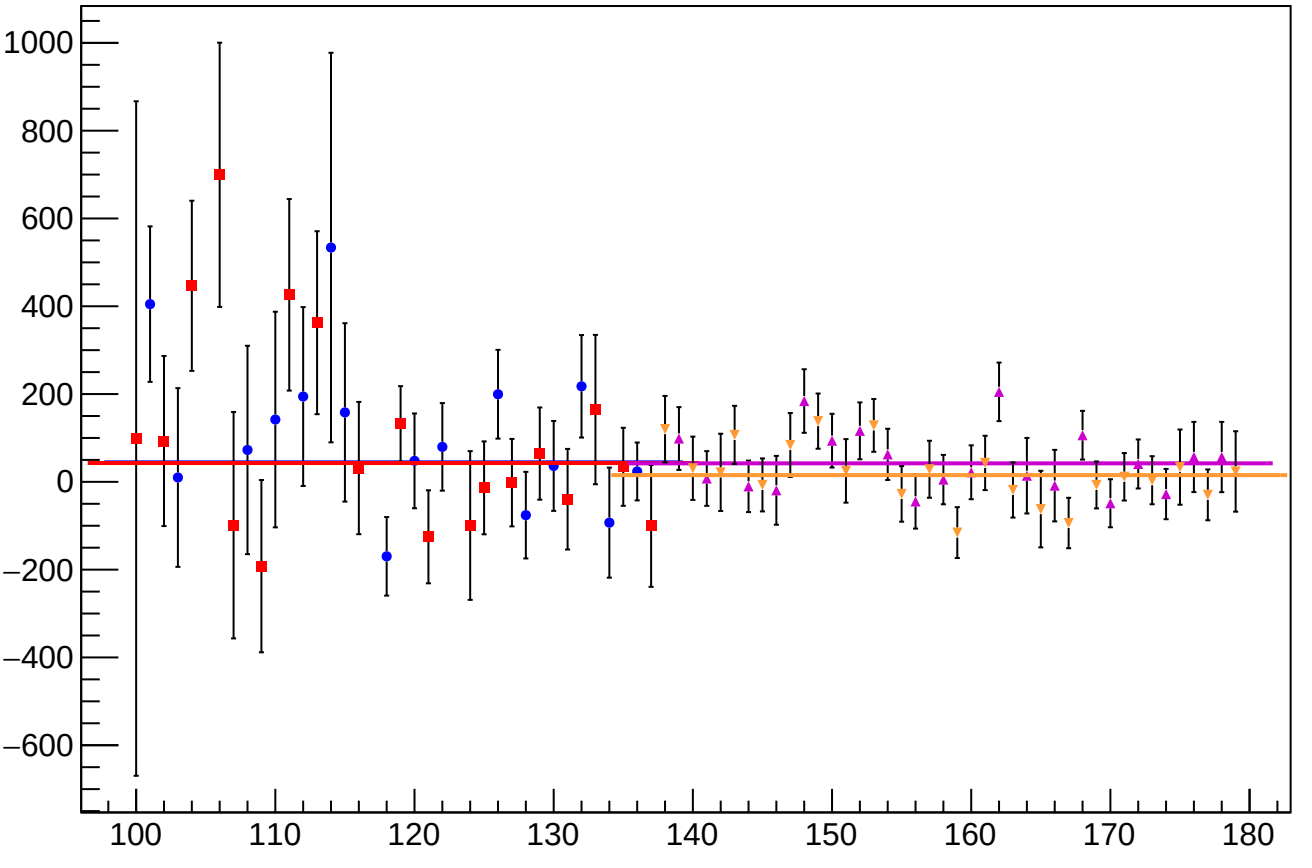
Left: 244.764+/-0.031 χ^2/NDF: 3267179.9/41

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 265.213+/-0.042 χ^2/NDF:7689779.6/35

Out: 267.253+/-0.042 χ^2/NDF:8487227.0/40

All: 266.253+/-0.030 χ^2/NDF: 16178184.3/76



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.334+/-13.841 χ^2/NDF:23.7/21

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 42.177+/-14.365 χ^2/NDF:22.9/19

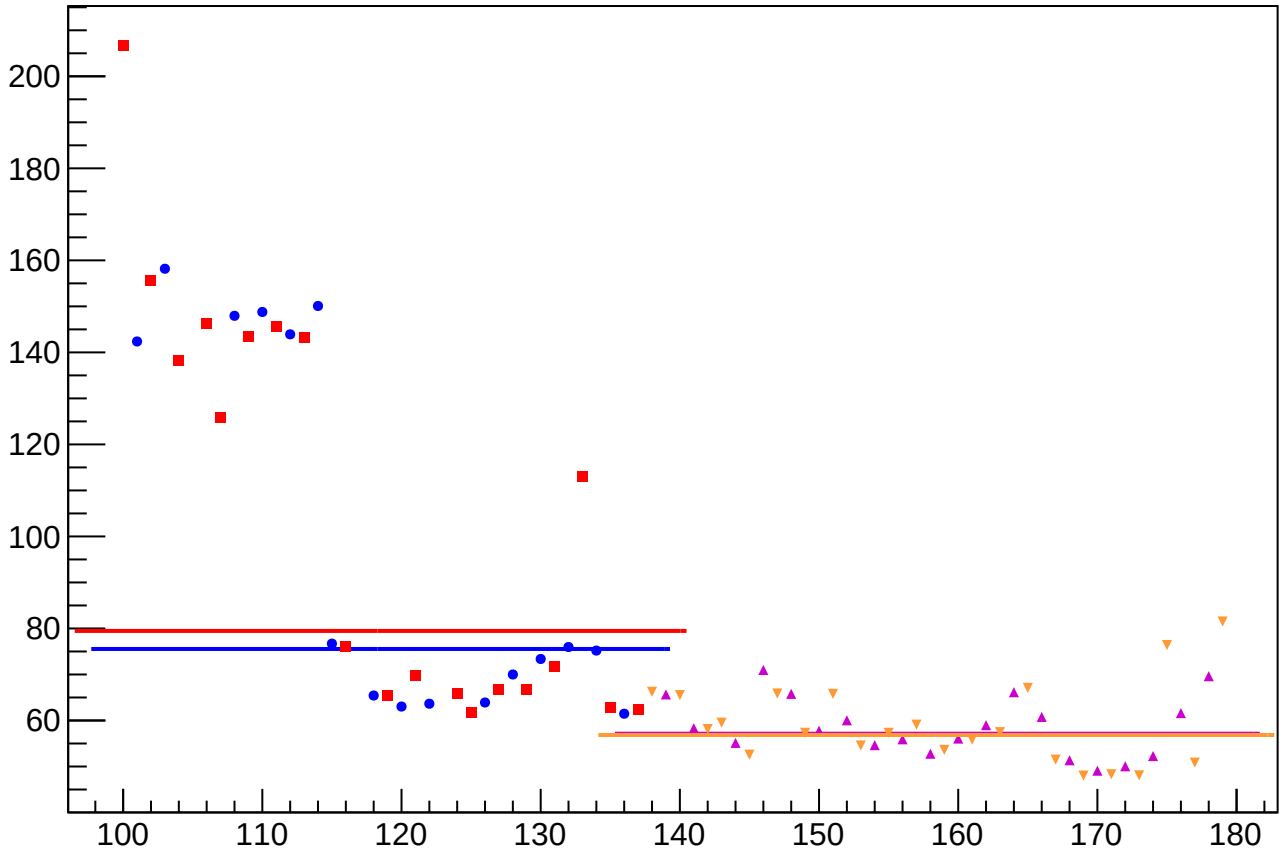
Left: 28.256+/-9.967 χ^2/NDF: 48.4/41

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.591+/-12.949 χ^2/NDF:42.6/35

Out: 19.855+/-12.655 χ^2/NDF:47.6/40

All: 30.962+/-9.051 χ^2/NDF: 91.7/76



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.846+/-0.010 χ^2/NDF:618320.1/21

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.131+/-0.010 χ^2/NDF:337566.9/19

Left: 56.983+/-0.007 χ^2/NDF: 956293.7/41

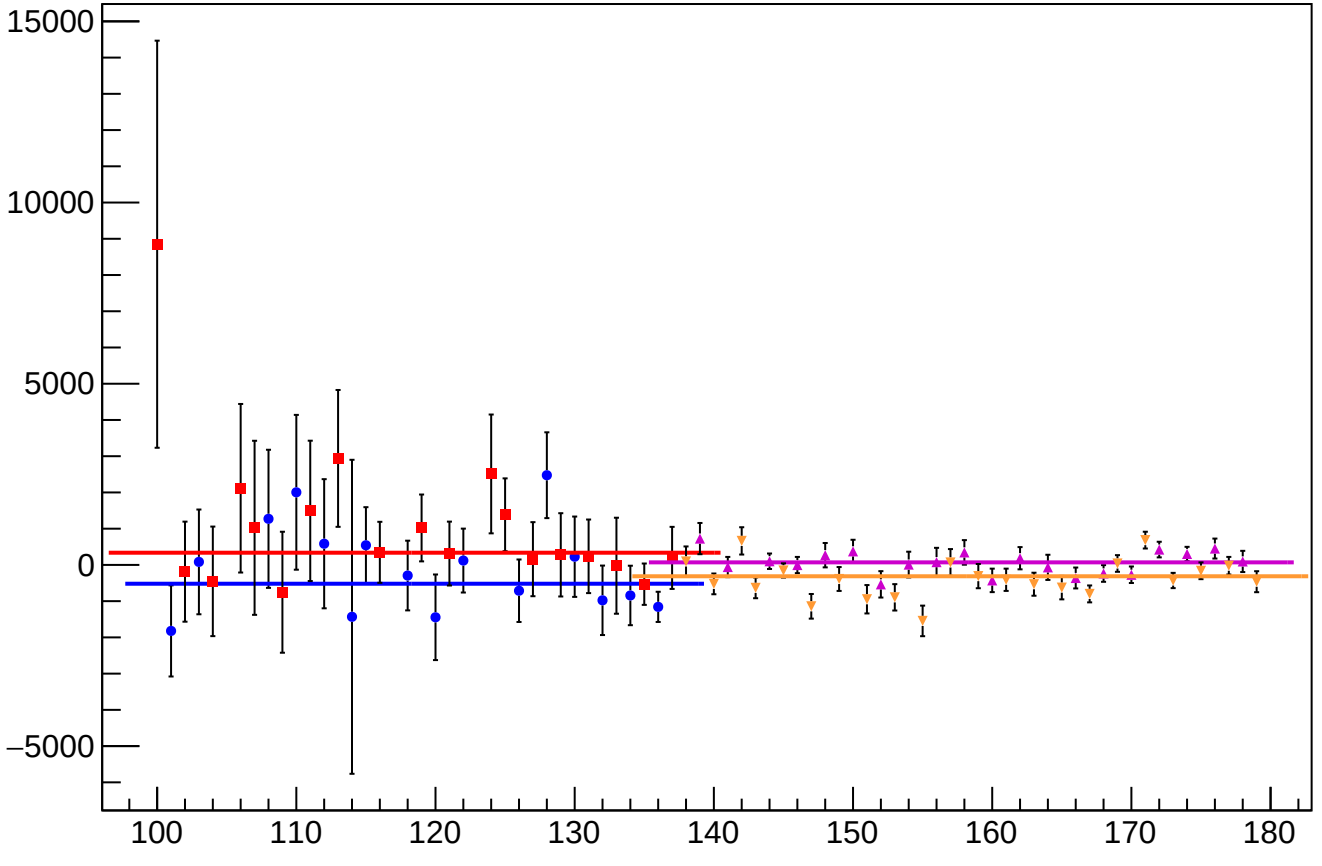
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.582+/-0.009 χ^2/NDF:2419076.3/35

Out: 60.556+/-0.009 χ^2/NDF:3177997.7/40

All: 60.569+/-0.006 χ^2/NDF: 5597078.2/76

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -313.202+/-60.489 χ^2/NDF:60.2/21

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 70.298+/-61.978 χ^2/NDF:22.3/19

Left: -126.112+/-43.289 χ^2/NDF: 102.1/41

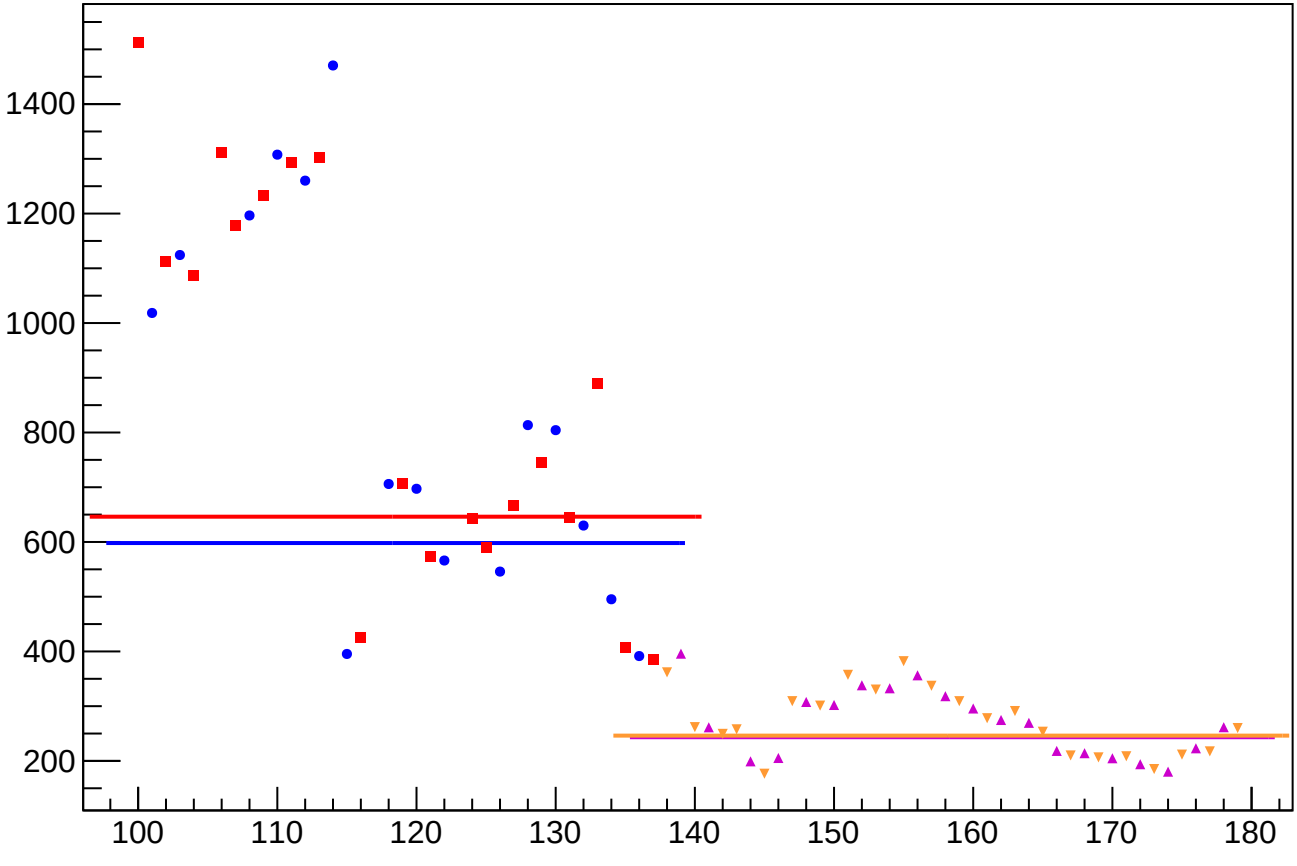
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 33.816+/-60.029 χ^2/NDF:43.7/35

Out: -278.990+/-58.876 χ^2/NDF:78.2/40

All: -125.622+/-42.033 χ^2/NDF: 135.7/76

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 246.198+/-0.043 χ^2/NDF:1678433.9/21

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 243.258+/-0.044 χ^2/NDF:1586432.7/19

Left: 244.764+/-0.031 χ^2/NDF: 3267170.9/41

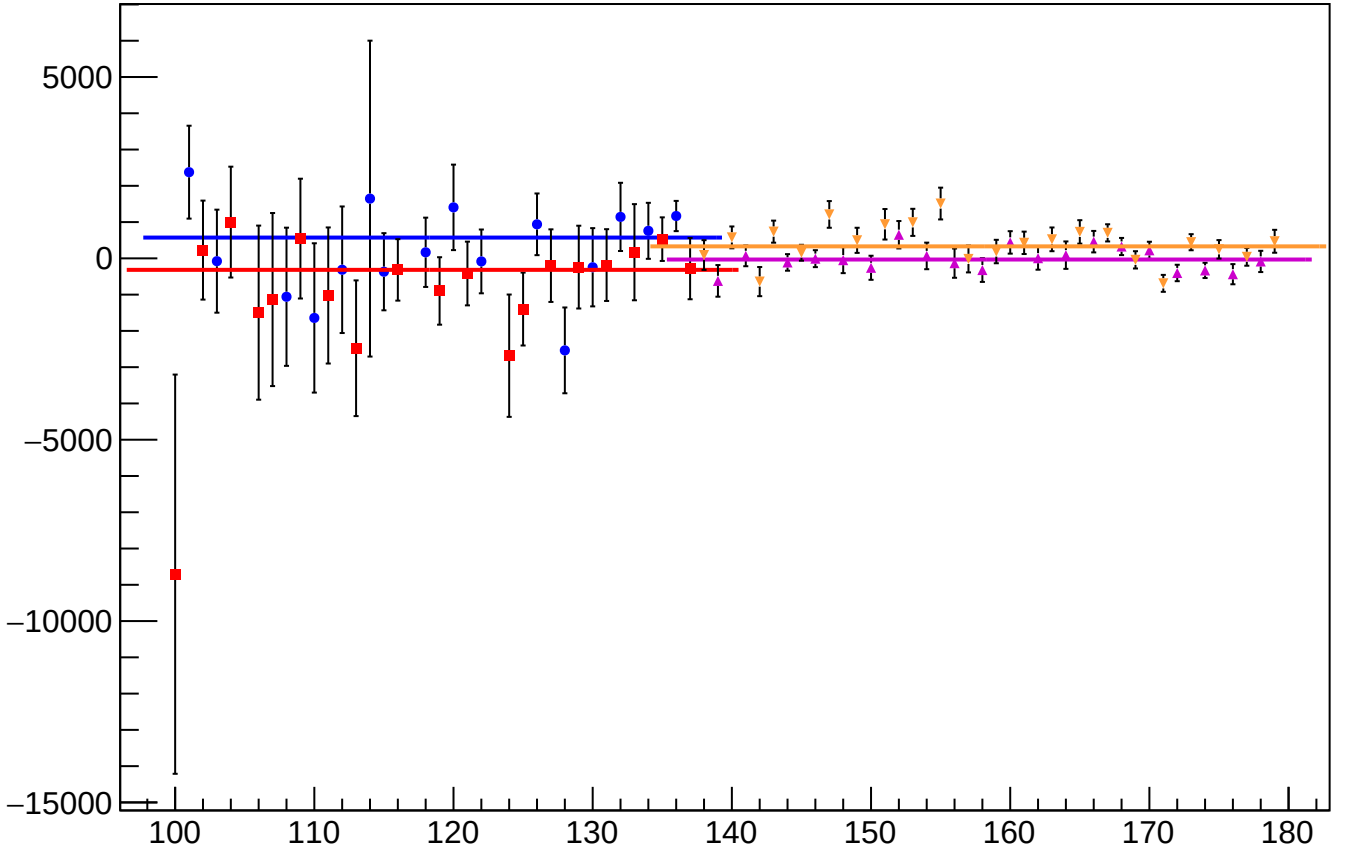
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 265.213+/-0.042 χ^2/NDF:7689758.2/35

Out: 267.253+/-0.042 χ^2/NDF:8487223.2/40

All: 266.252+/-0.030 χ^2/NDF: 16178158.8/76

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 330.770+/-63.106 χ^2/NDF:56.7/21

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -32.084+/-64.152 χ^2/NDF:22.3/19

Left: 152.325+/-44.988 χ^2/NDF: 95.3/41

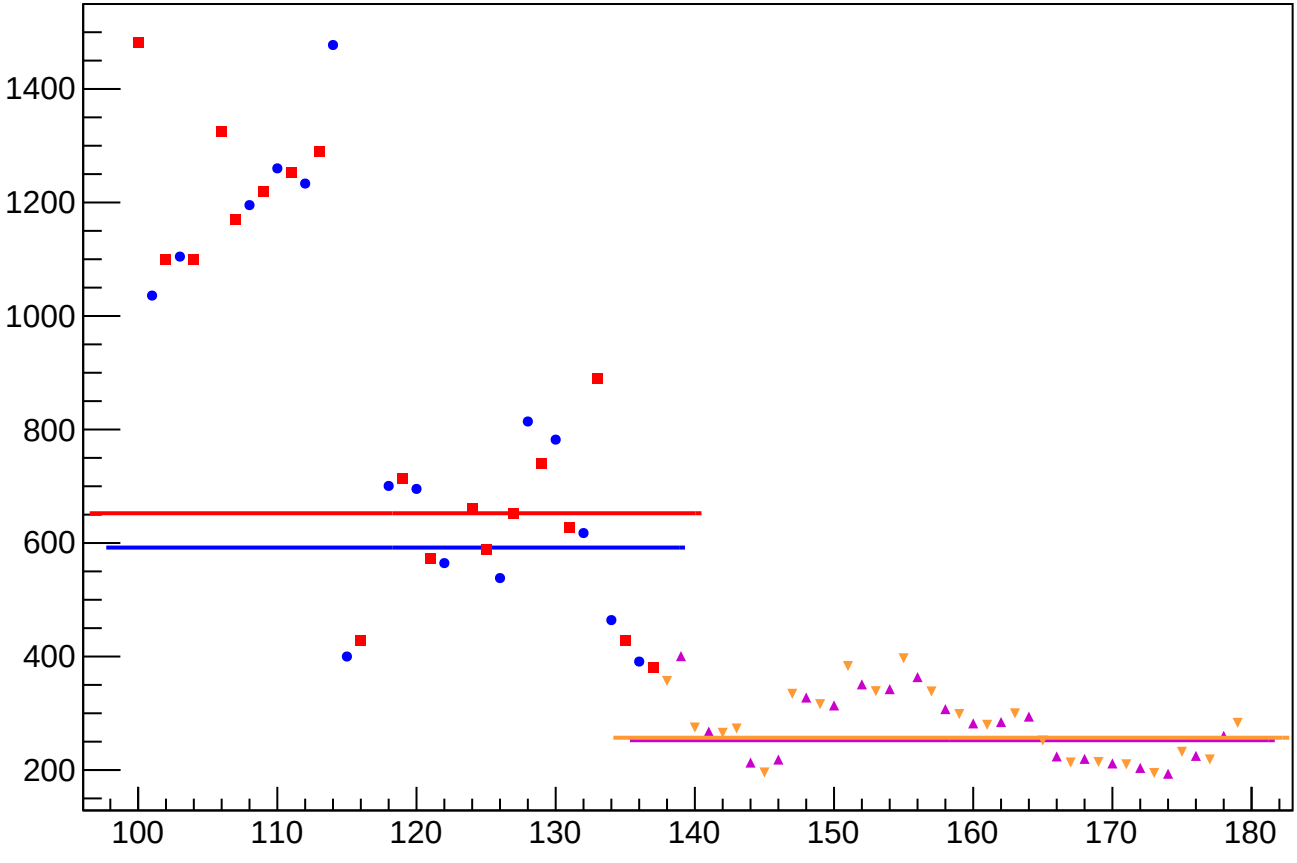
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 8.631+/-61.957 χ^2/NDF:44.8/35

Out: 294.276+/-61.302 χ^2/NDF:73.7/40

All: 152.973+/-43.577 χ^2/NDF: 129.2/76

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 256.937+/-0.045 χ^2/NDF:1543988.4/21

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.548+/-0.045 χ^2/NDF:1410314.7/19

Left: 254.779+/-0.032 χ^2/NDF: 2959060.5/41

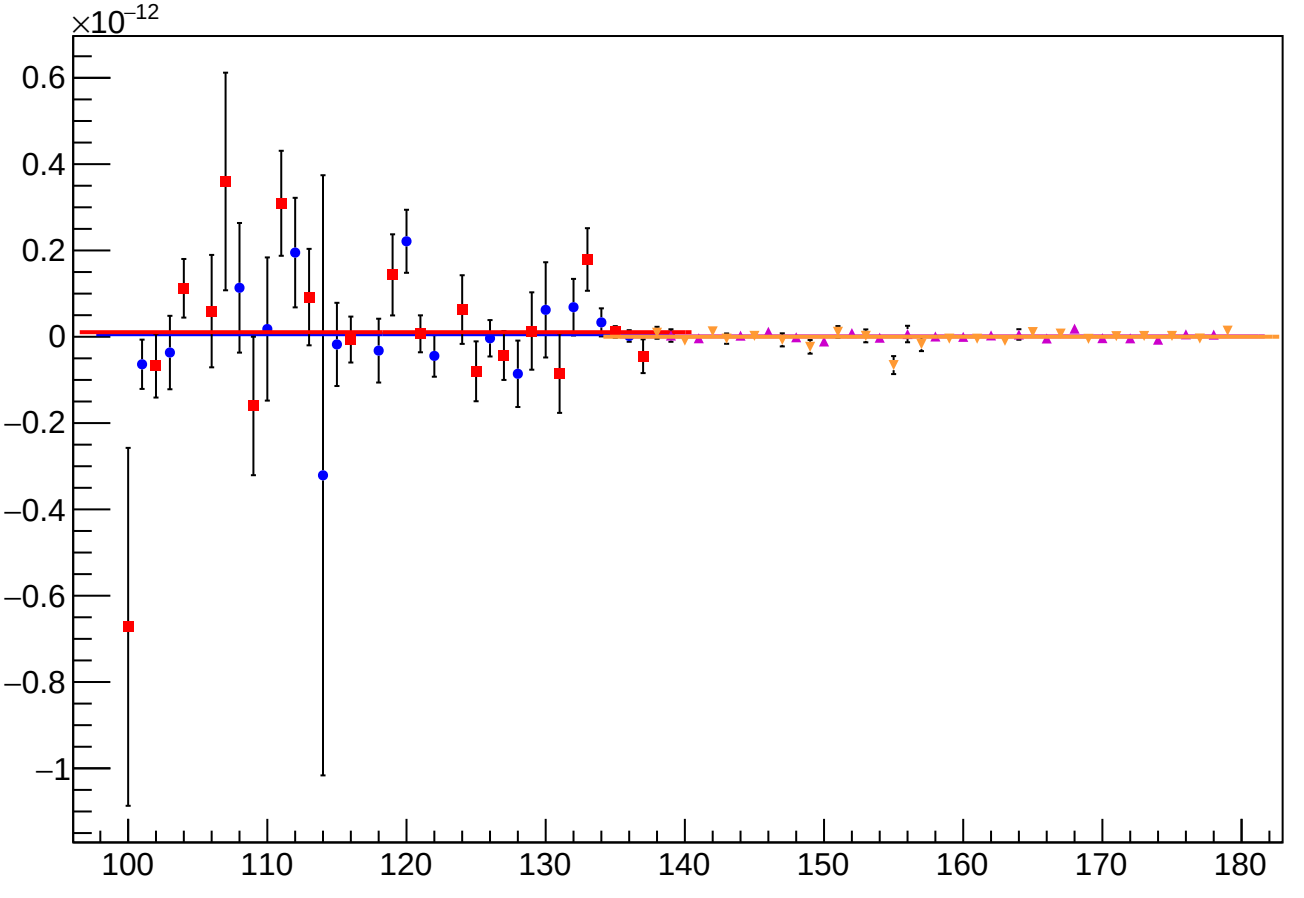
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 275.374+/-0.044 χ^2/NDF:7211121.0/35

Out: 279.225+/-0.043 χ^2/NDF:8061275.3/40

All: 277.320+/-0.031 χ^2/NDF: 15276302.2/76

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/19

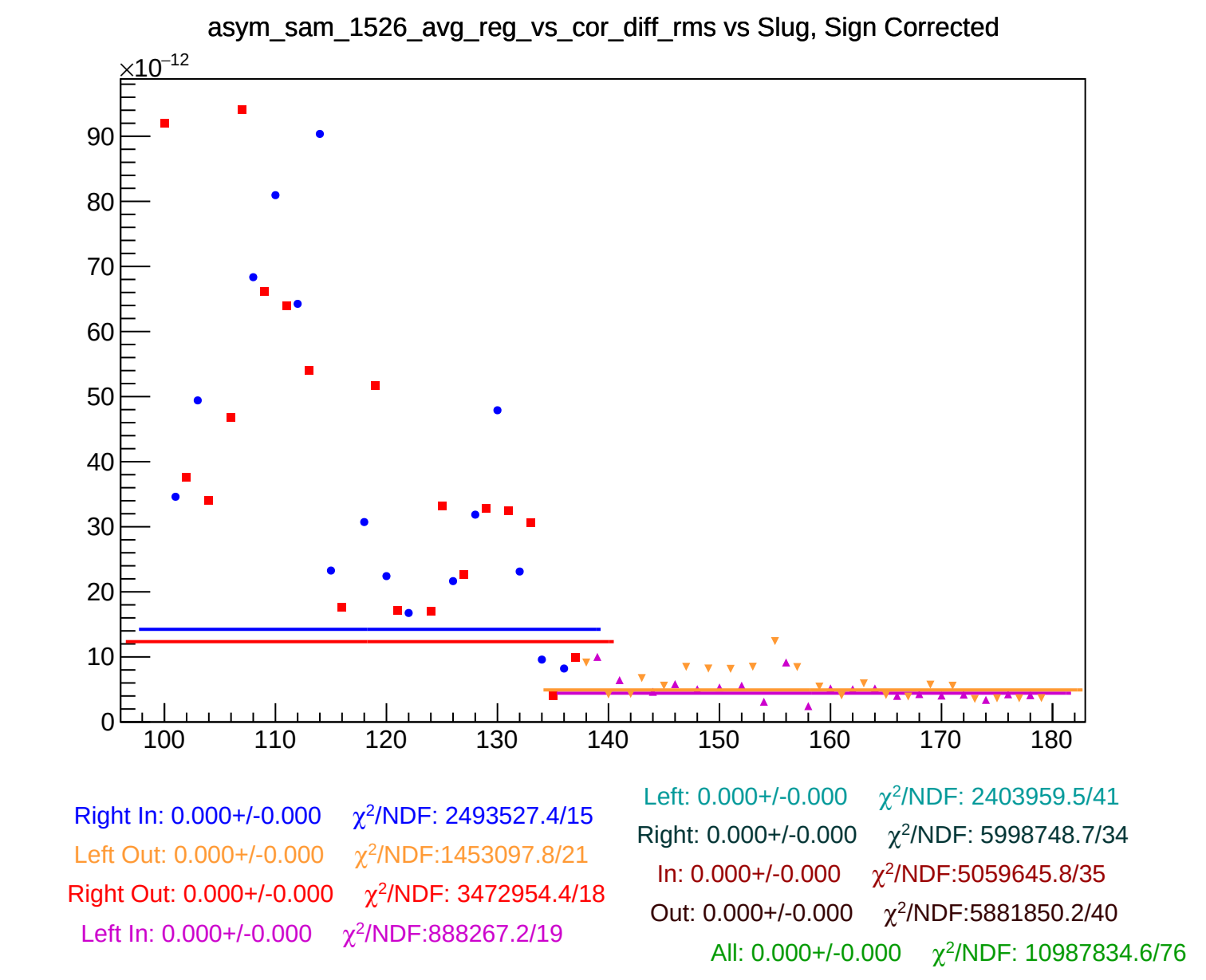
Left: 0.000+/-0.000 χ^2/NDF: 36.1/41

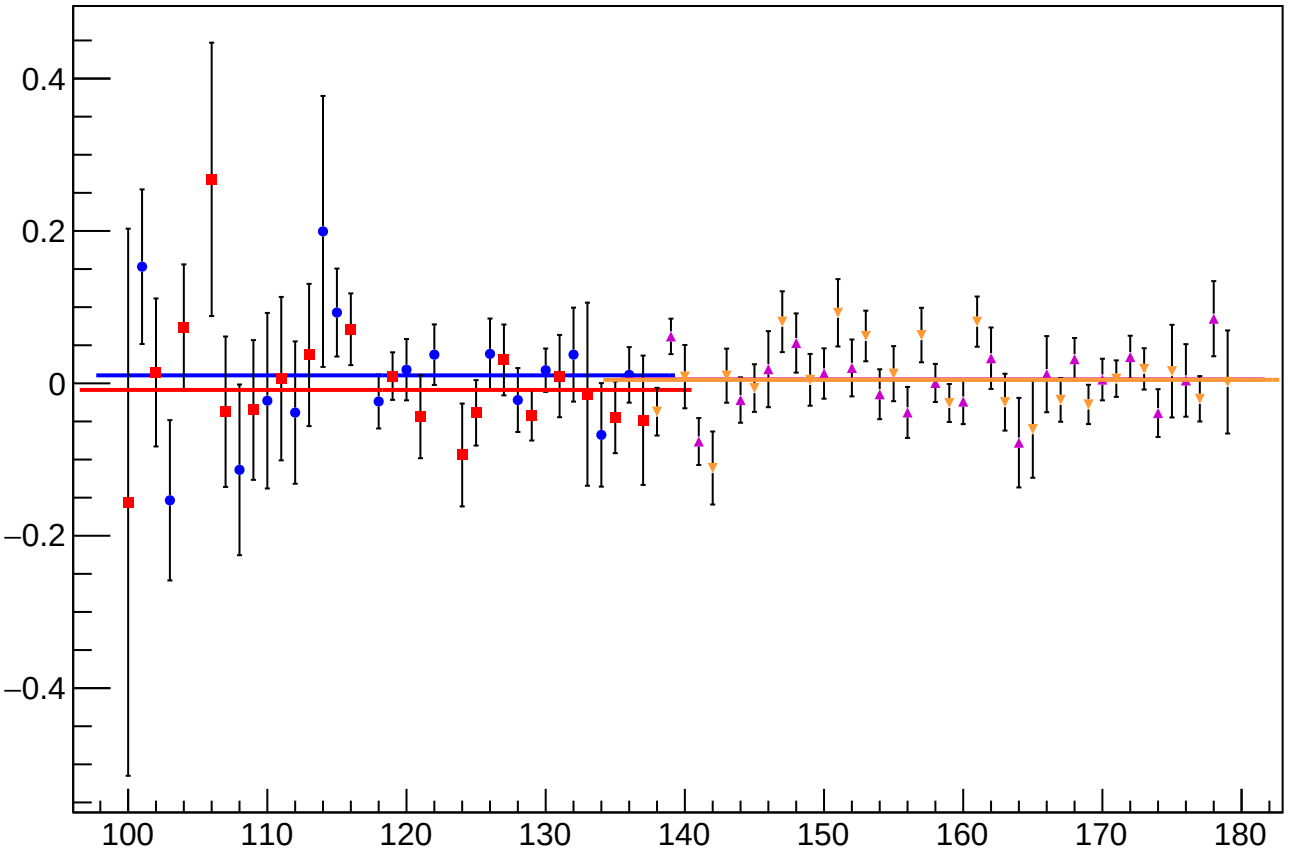
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:30.2/35

Out: 0.000+/-0.000 χ^2/NDF:54.7/40

All: 0.000+/-0.000 χ^2/NDF: 85.0/76


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1453097.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:888267.2/19
Left: 0.000+/-0.000 χ²/NDF: 2403959.5/41
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5059645.8/35
Out: 0.000+/-0.000 χ²/NDF:5881850.2/40
All: 0.000+/-0.000 χ²/NDF: 10987834.6/76



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.005+/-0.007 χ^2/NDF:27.6/19

Left: 0.005+/-0.005 χ^2/NDF: 60.7/41

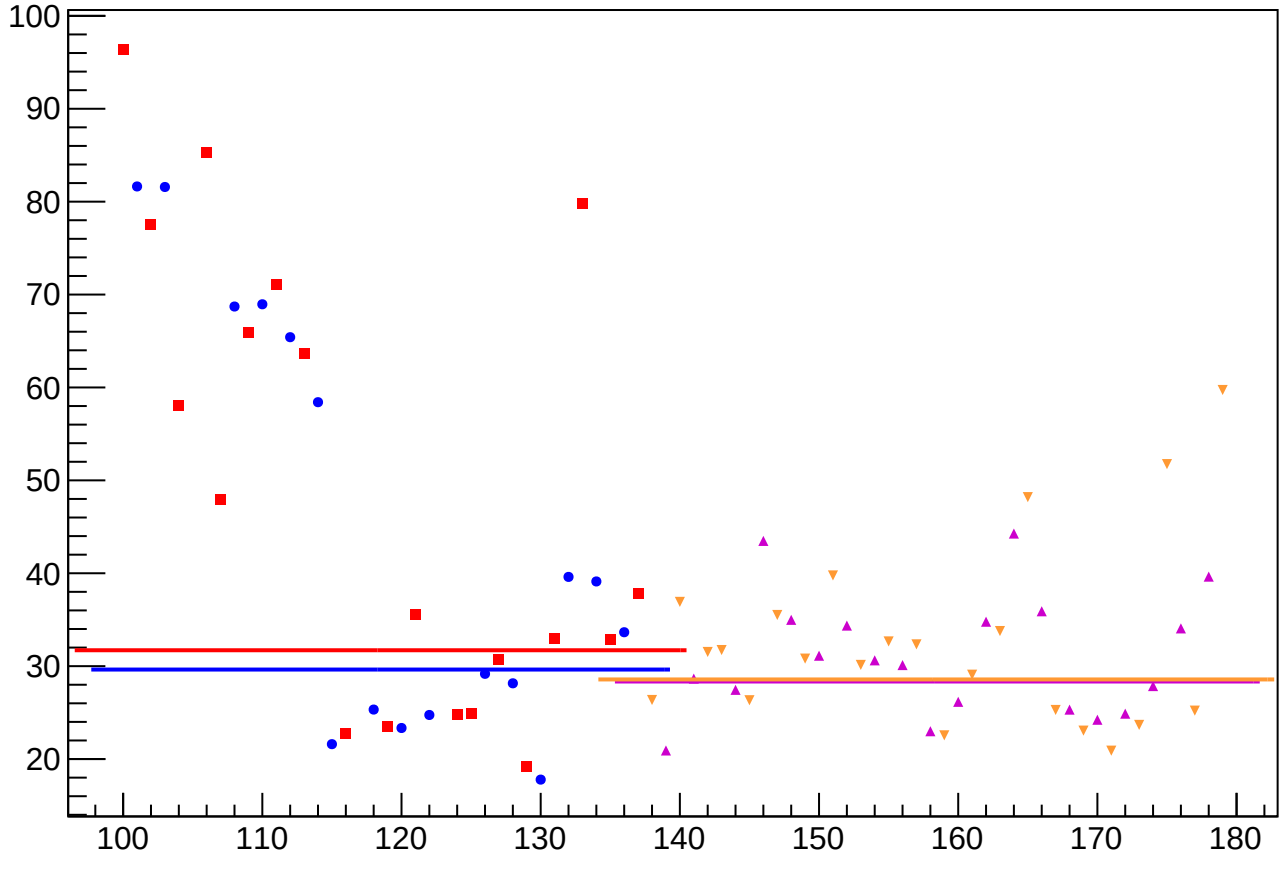
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.004+/-0.004 χ^2/NDF: 87.5/76

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847316.1/21

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.348+/-0.005 χ^2/NDF:1109227.2/19

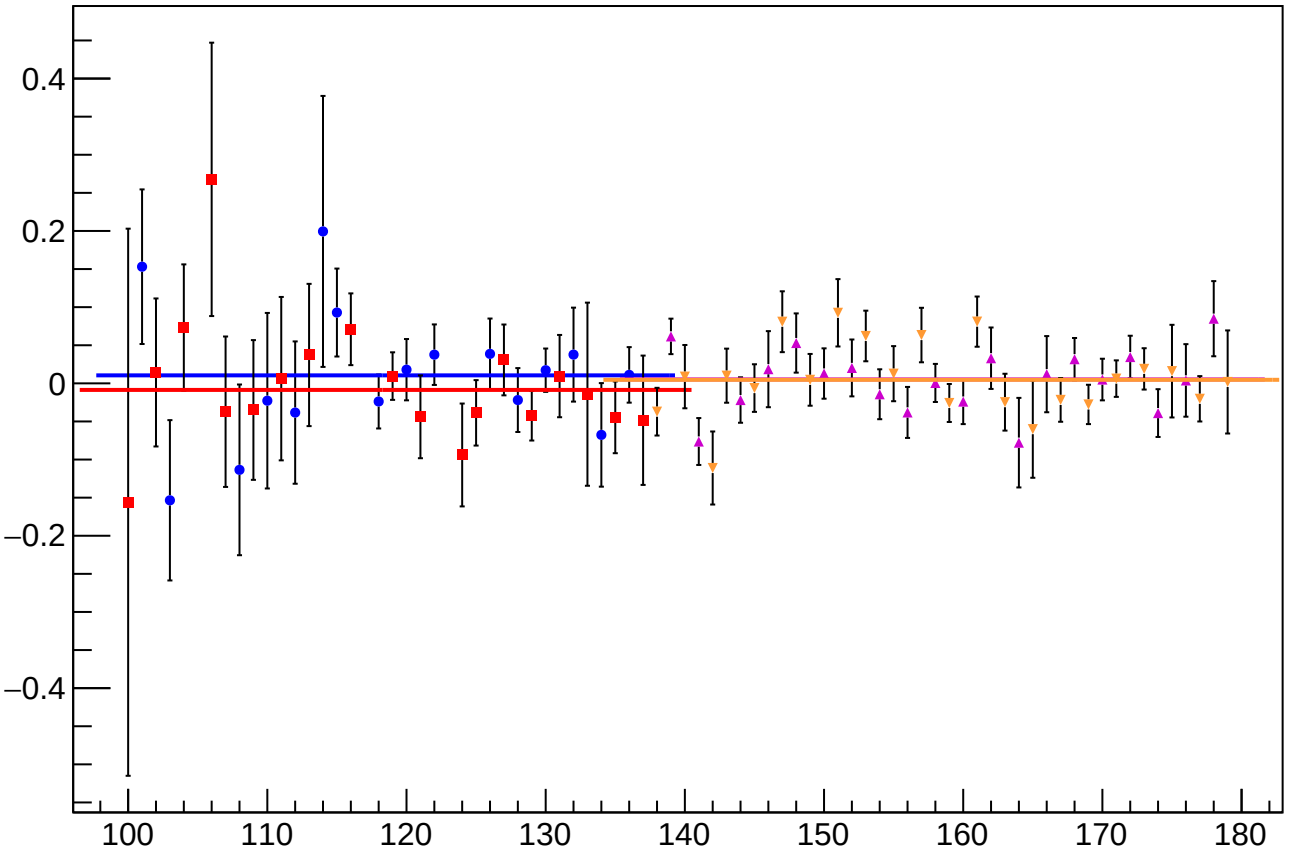
Left: 28.461+/-0.004 χ^2/NDF: 2957462.1/41

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.678+/-0.004 χ^2/NDF:3573300.5/35

Out: 29.288+/-0.004 χ^2/NDF:4585711.6/40

All: 28.984+/-0.003 χ^2/NDF: 8168242.3/76



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.005+/-0.007 χ^2/NDF:27.6/19

Left: 0.005+/-0.005 χ^2/NDF: 60.7/41

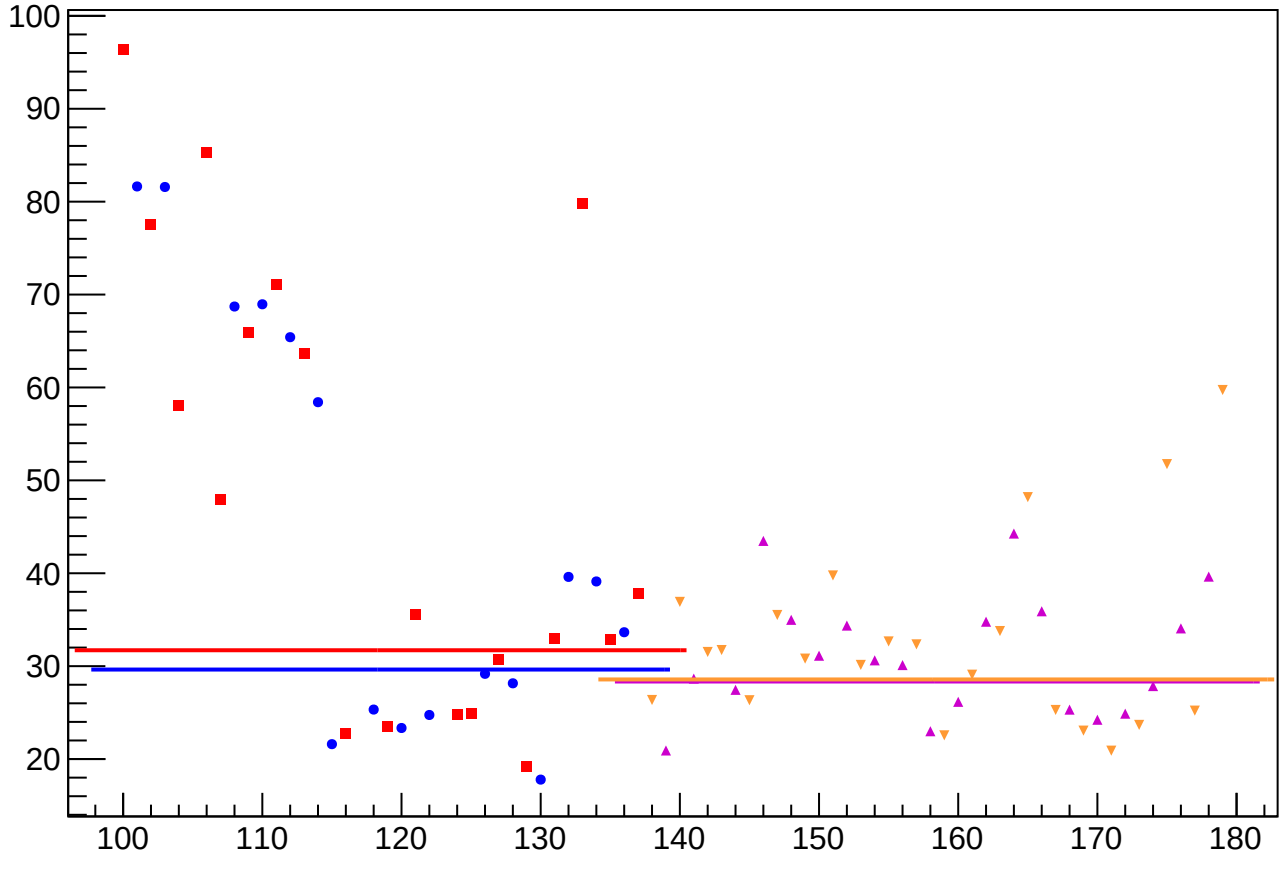
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.004+/-0.004 χ^2/NDF: 87.5/76

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847316.1/21

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.348+/-0.005 χ^2/NDF:1109227.2/19

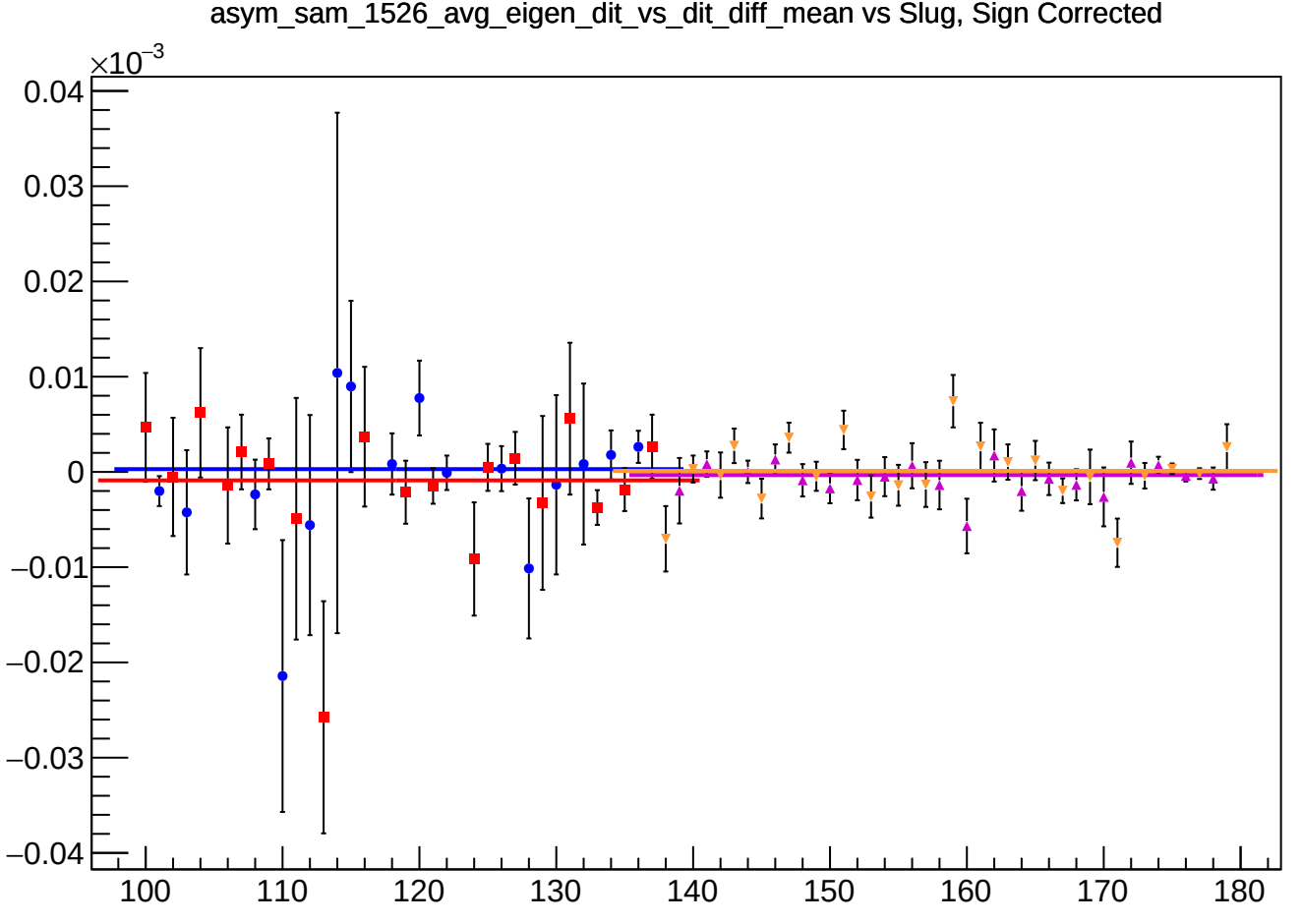
Left: 28.461+/-0.004 χ^2/NDF: 2957462.1/41

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.678+/-0.004 χ^2/NDF:3573300.5/35

Out: 29.288+/-0.004 χ^2/NDF:4585711.6/40

All: 28.984+/-0.003 χ^2/NDF: 8168242.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/19

Left: -0.000+/-0.000 χ^2/NDF: 54.1/41

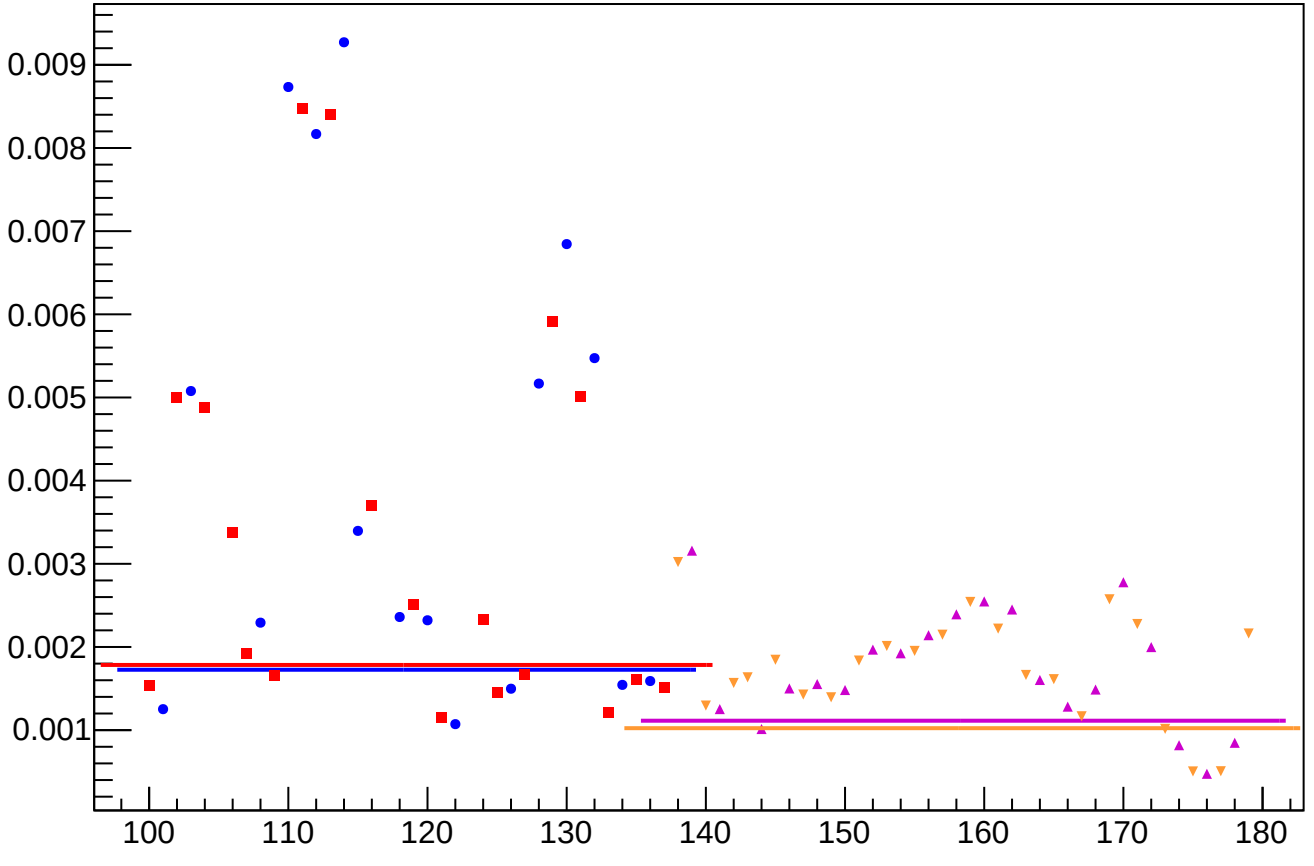
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:26.3/35

Out: -0.000+/-0.000 χ^2/NDF:59.0/40

All: -0.000+/-0.000 χ^2/NDF: 85.6/76

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9634967.1/21

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7430689.2/19

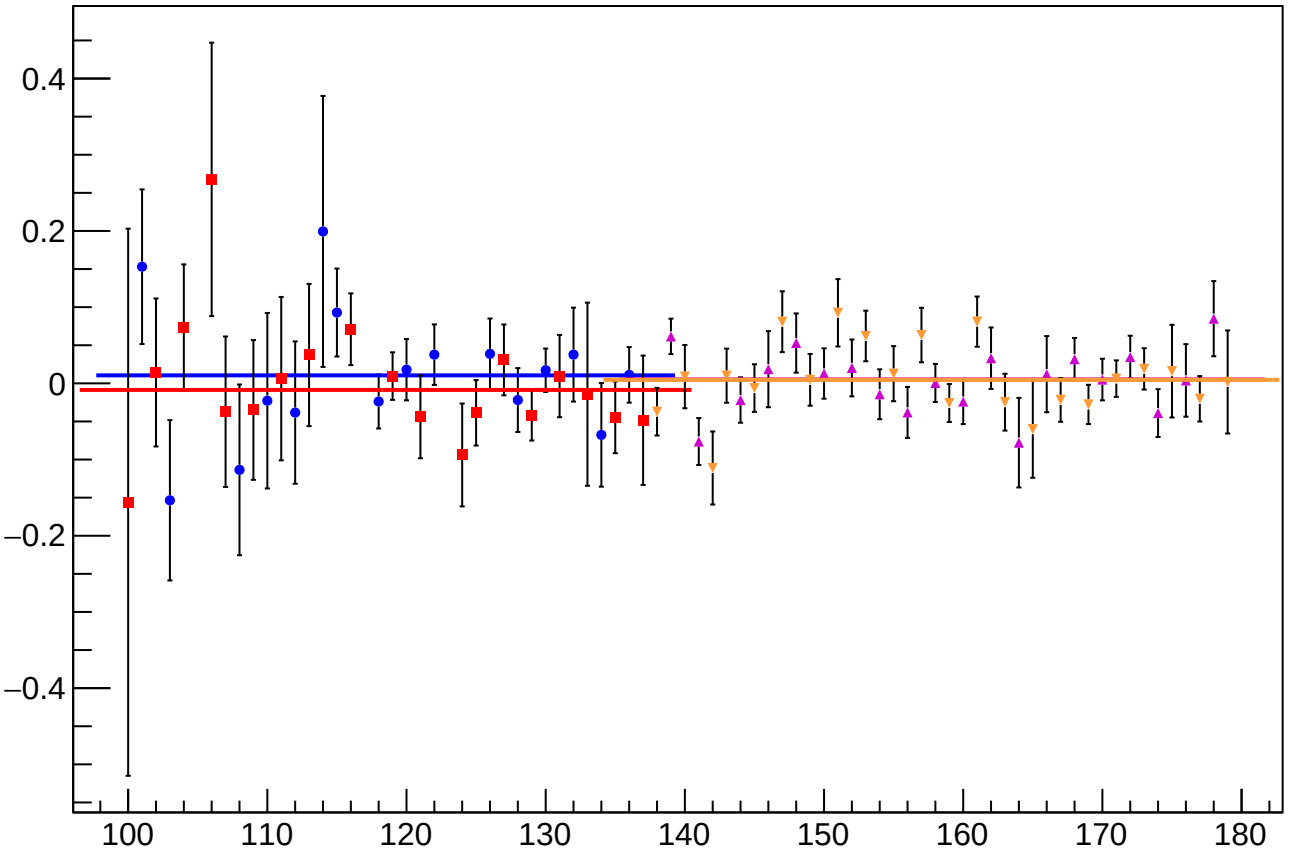
Left: 0.001+/-0.000 χ^2/NDF: 17151366.1/41

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:12462505.8/35

Out: 0.001+/-0.000 χ^2/NDF:15035252.9/40

All: 0.001+/-0.000 χ^2/NDF: 27592662.3/76



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.005+/-0.007 χ^2/NDF:27.6/19

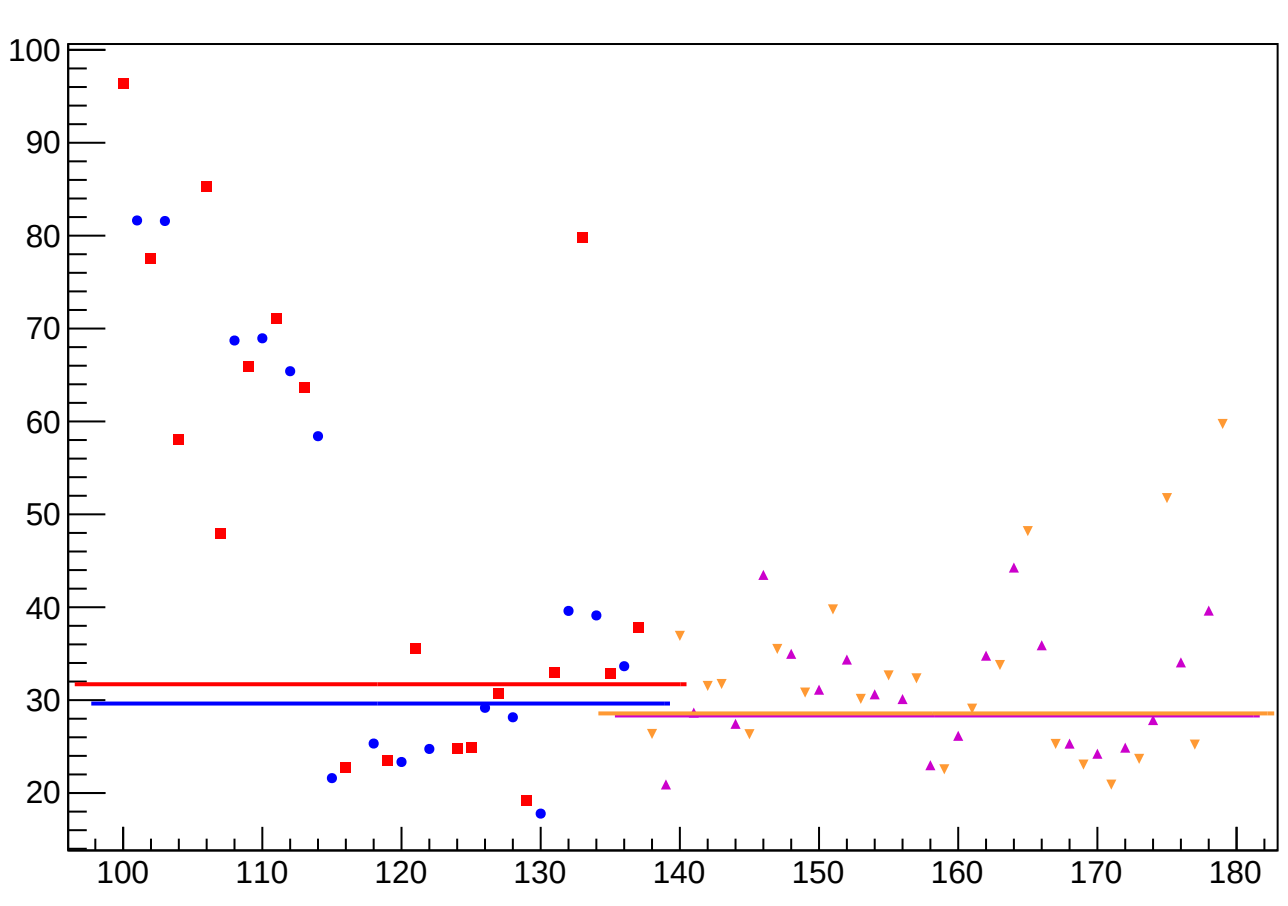
Left: 0.005+/-0.005 χ^2/NDF: 60.7/41

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.004+/-0.004 χ^2/NDF: 87.5/76



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847368.1/21

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

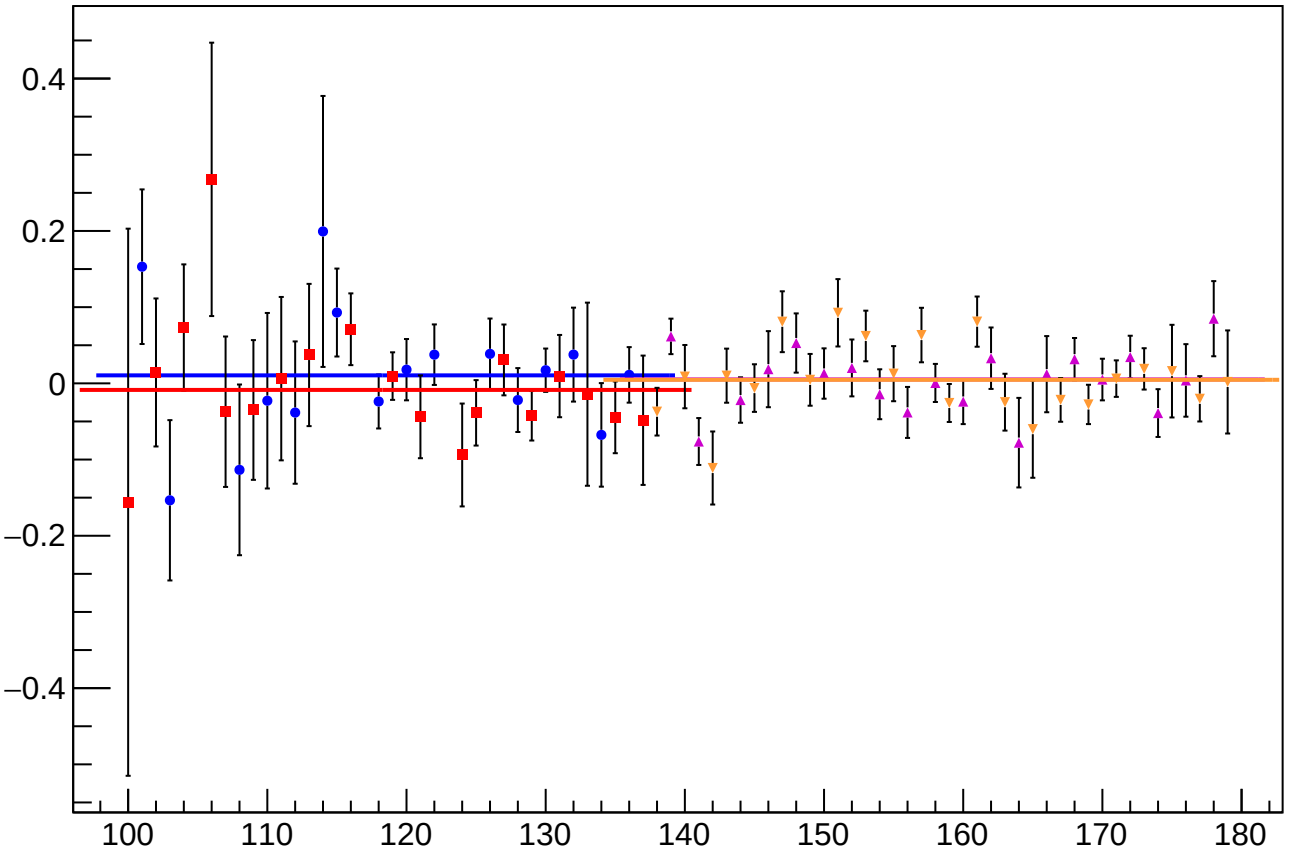
Left: 28.461+/-0.004 χ^2/NDF: 2957505.7/41

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.678+/-0.004 χ^2/NDF:3573457.7/35

Out: 29.288+/-0.004 χ^2/NDF:4585856.2/40

All: 28.984+/-0.003 χ^2/NDF: 8168540.9/76



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/21

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.005+/-0.007 χ^2/NDF:27.6/19

Left: 0.005+/-0.005 χ^2/NDF: 60.7/41

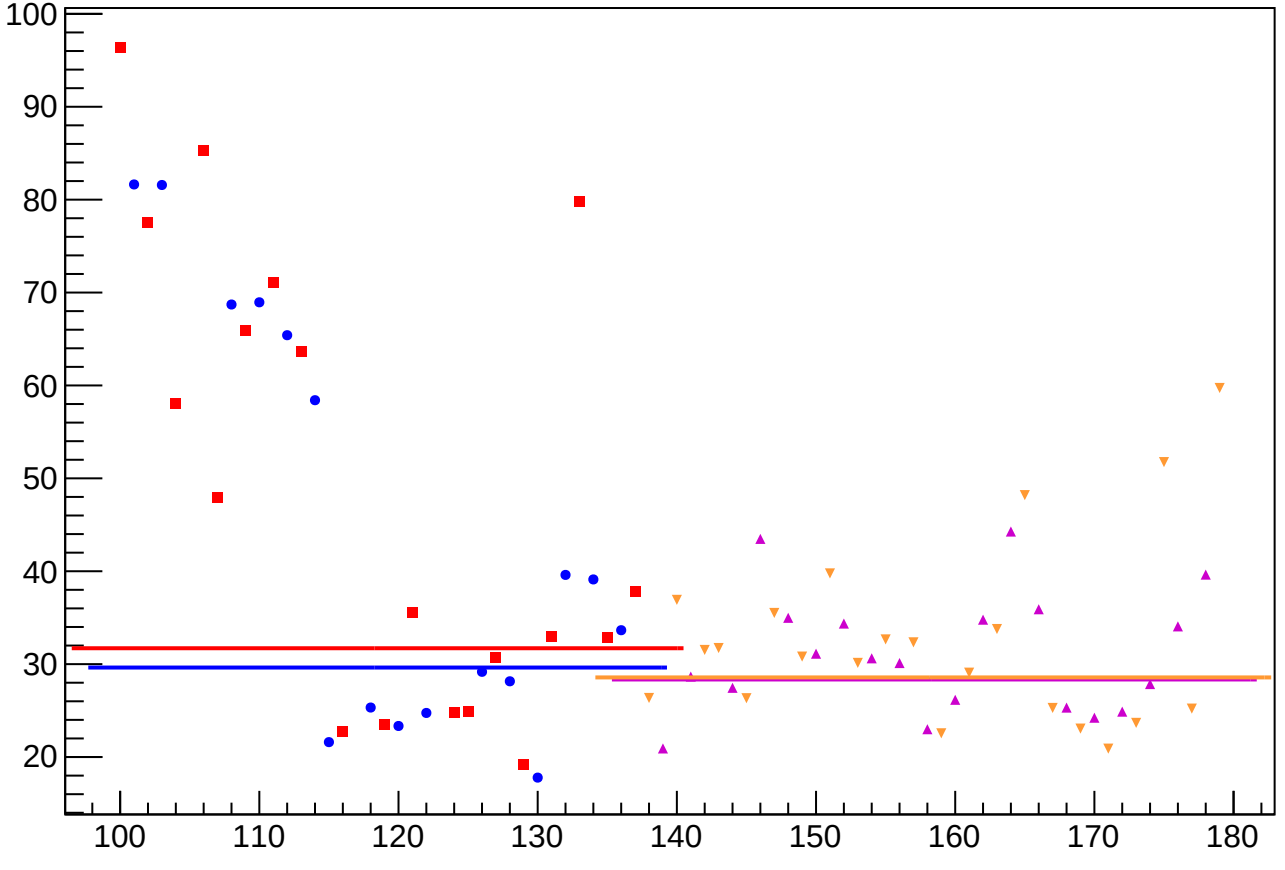
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/40

All: 0.004+/-0.004 χ^2/NDF: 87.5/76

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.569+/-0.005 χ^2/NDF:1847368.1/21

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

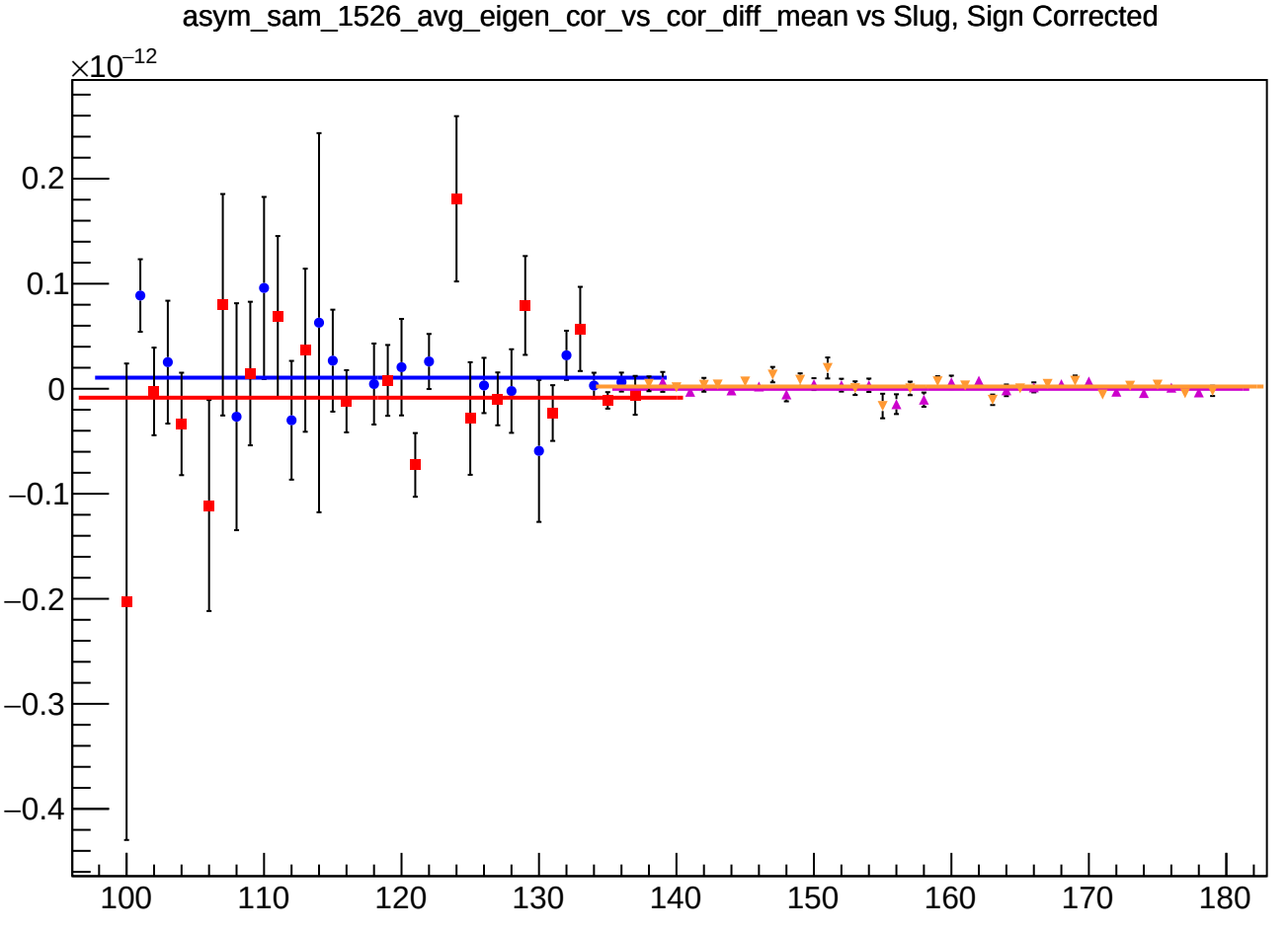
Left: 28.461+/-0.004 χ^2/NDF: 2957505.7/41

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.678+/-0.004 χ^2/NDF:3573457.7/35

Out: 29.288+/-0.004 χ^2/NDF:4585856.2/40

All: 28.984+/-0.003 χ^2/NDF: 8168540.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.0/19

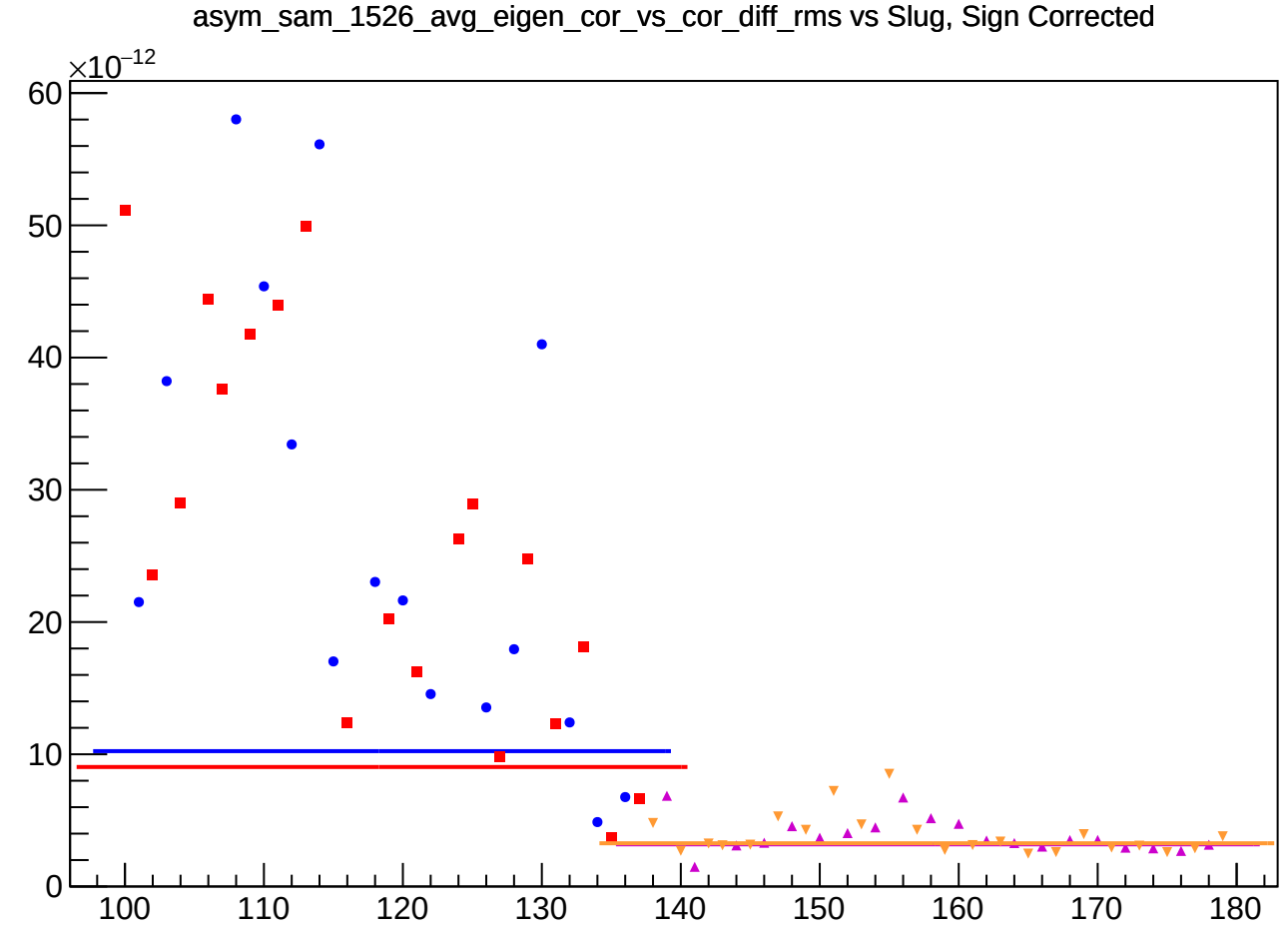
Left: 0.000+/-0.000 χ^2/NDF: 47.4/41

Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: 0.000+/-0.000 χ^2/NDF:31.1/35

Out: 0.000+/-0.000 χ^2/NDF:51.7/40

All: 0.000+/-0.000 χ^2/NDF: 84.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1548877.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1975635.6/19

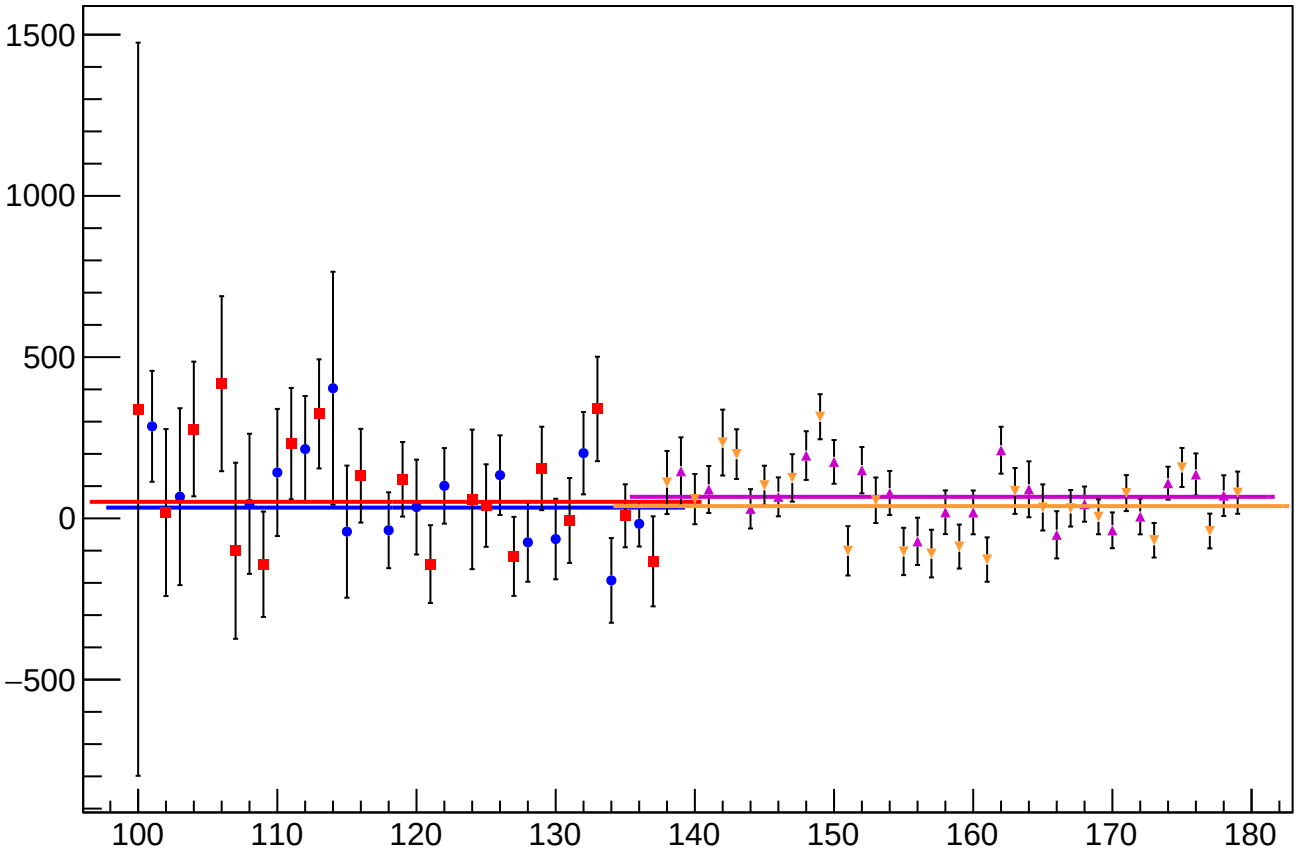
Left: 0.000+/-0.000 χ^2/NDF: 3530482.6/41

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8167305.9/35

Out: 0.000+/-0.000 χ^2/NDF:7904250.1/40

All: 0.000+/-0.000 χ^2/NDF: 16073057.4/76



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.983+/-14.246 χ^2/NDF:58.8/21

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 66.906+/-14.728 χ^2/NDF:25.7/19

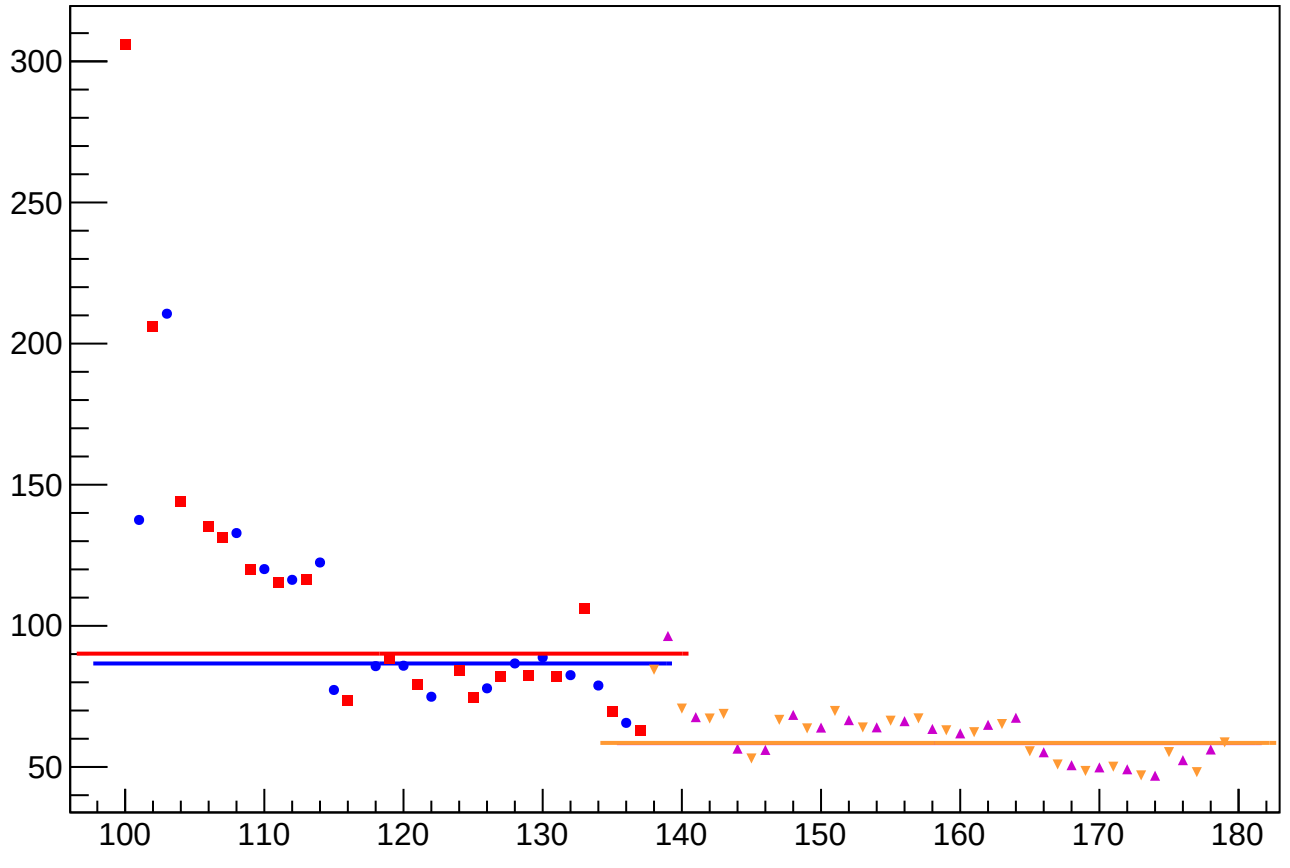
Left: 51.963+/-10.240 χ^2/NDF: 86.5/41

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 61.585+/-13.507 χ^2/NDF:39.3/35

Out: 39.895+/-13.187 χ^2/NDF:78.5/40

All: 50.480+/-9.436 χ^2/NDF: 119.2/76



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

Left: 58.487+/-0.007 χ^2/NDF: 1487437.9/41

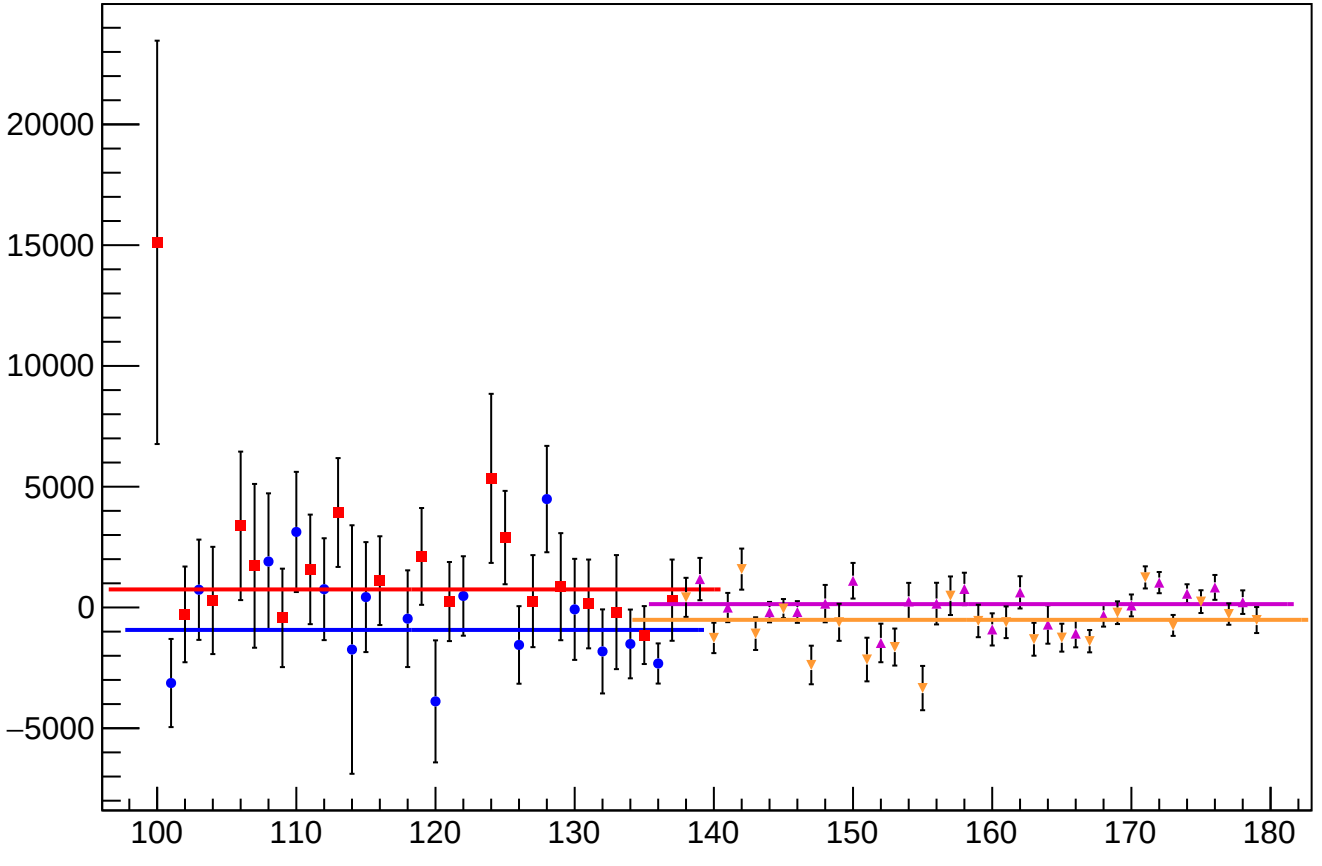
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 62.932+/-0.010 χ^2/NDF:2938553.0/35

Out: 63.053+/-0.009 χ^2/NDF:3315896.9/40

All: 62.994+/-0.007 χ^2/NDF: 6254531.4/76

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -512.165+/-123.976 χ^2/NDF:57.9/21

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 138.287+/-125.711 χ^2/NDF:26.2/19

Left: -191.459+/-88.271 χ^2/NDF: 97.7/41

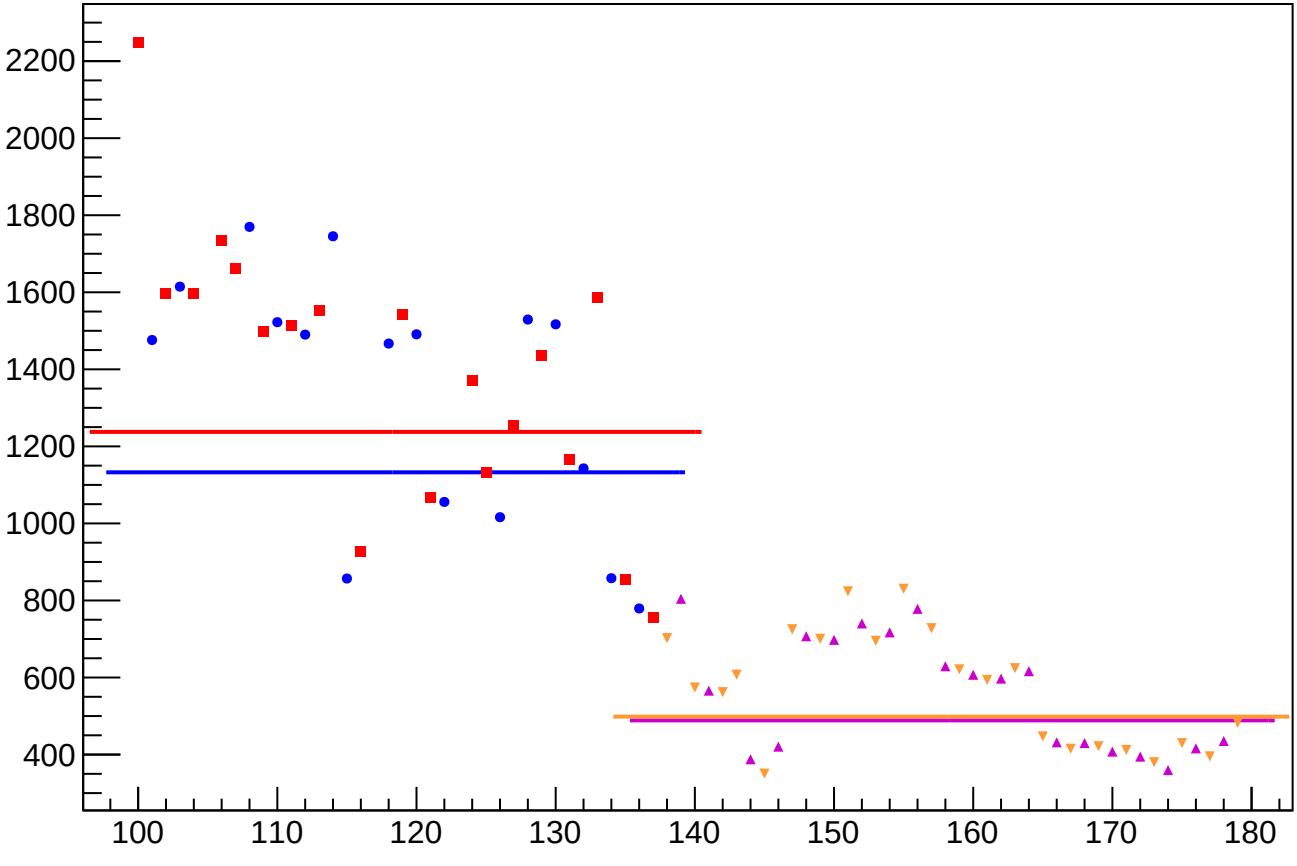
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 57.981+/-120.893 χ^2/NDF:50.1/35

Out: -429.552+/-119.841 χ^2/NDF:77.7/40

All: -187.917+/-85.110 χ^2/NDF: 136.0/76

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 498.485+/-0.088 χ^2/NDF:2304056.1/21

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 488.770+/-0.089 χ^2/NDF:2118097.0/19

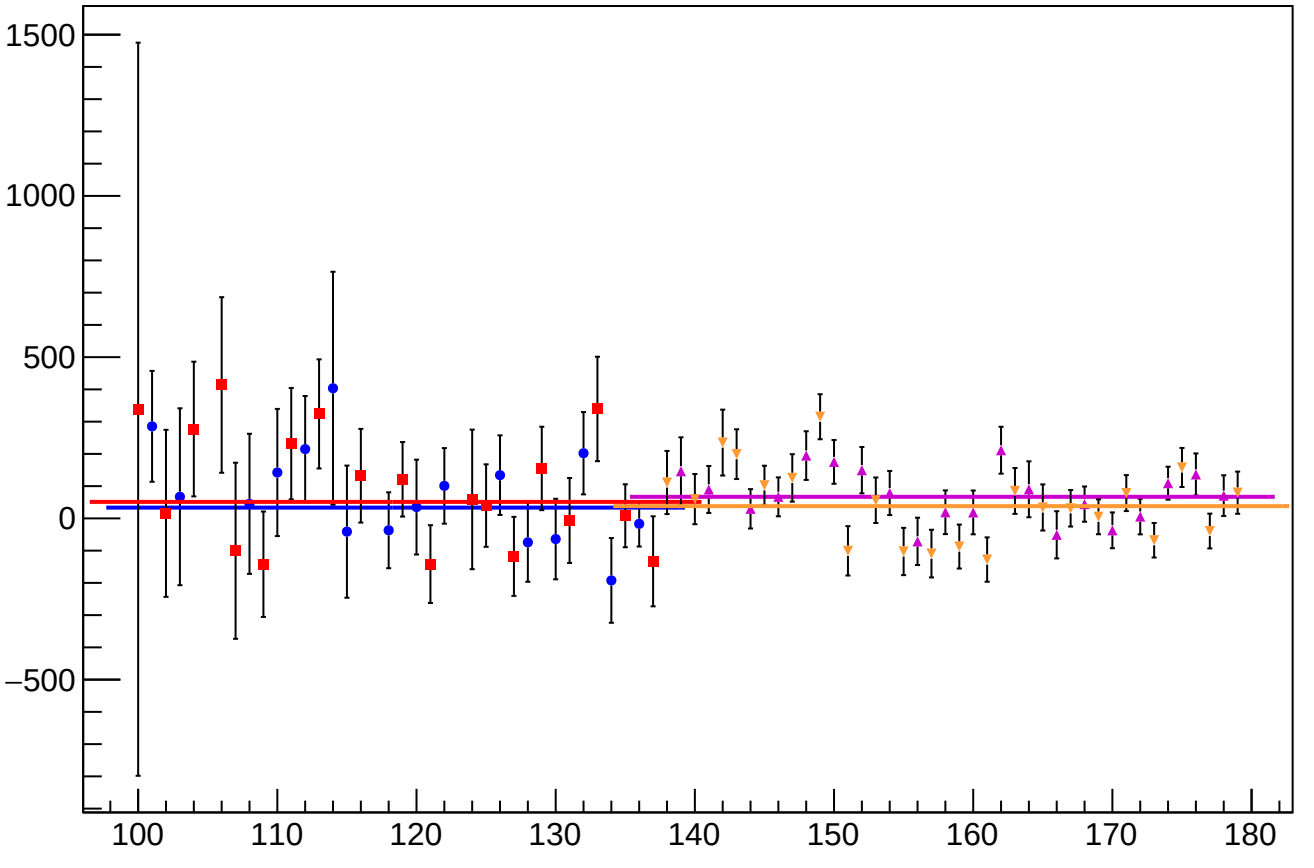
Left: 493.695+/-0.062 χ^2/NDF: 4428207.8/41

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 537.184+/-0.085 χ^2/NDF:7187538.3/35

Out: 546.969+/-0.085 χ^2/NDF:7862382.8/40

All: 542.119+/-0.060 χ^2/NDF: 15056530.7/76



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.904+/-14.728 χ^2/NDF:25.7/19

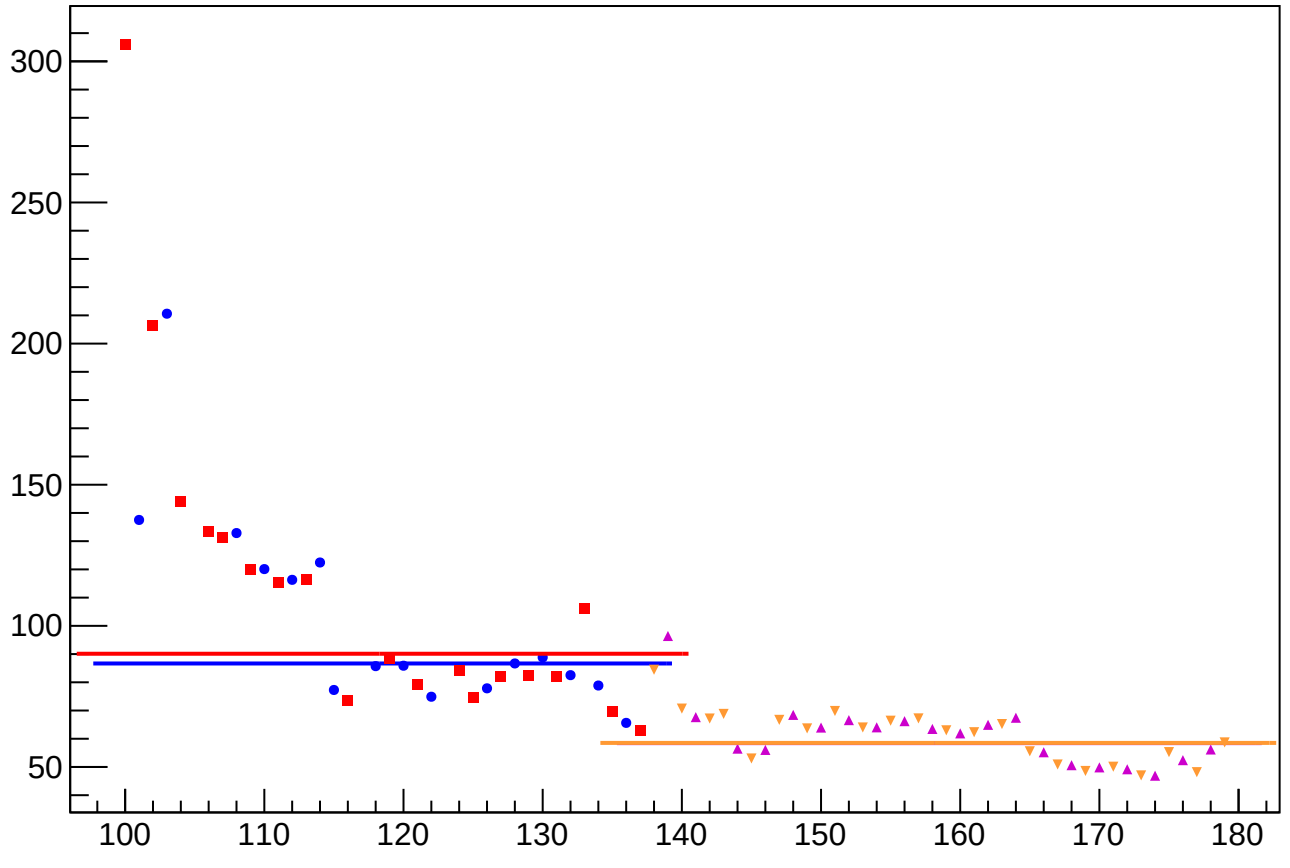
Left: 51.963+/-10.240 χ^2/NDF: 86.5/41

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.583+/-13.507 χ^2/NDF:39.3/35

Out: 39.875+/-13.187 χ^2/NDF:78.4/40

All: 50.468+/-9.436 χ^2/NDF: 119.1/76



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

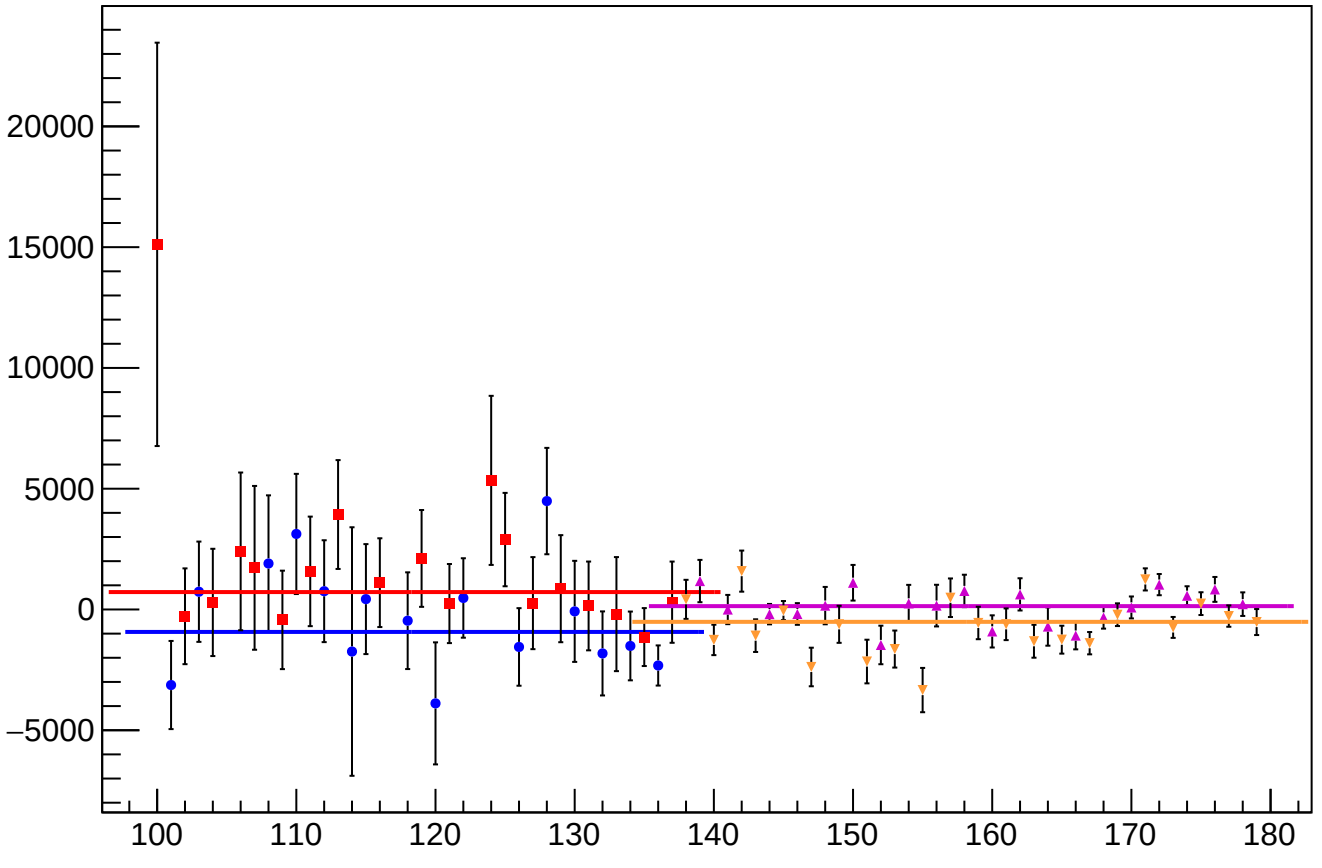
Left: 58.487+/-0.007 χ^2/NDF: 1487437.9/41

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.932+/-0.010 χ^2/NDF:2938555.2/35

Out: 63.047+/-0.009 χ^2/NDF:3307747.9/40

All: 62.991+/-0.007 χ^2/NDF: 6246377.1/76



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -512.161+/-123.976 χ^2/NDF:57.9/21

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 138.285+/-125.711 χ^2/NDF:26.2/19

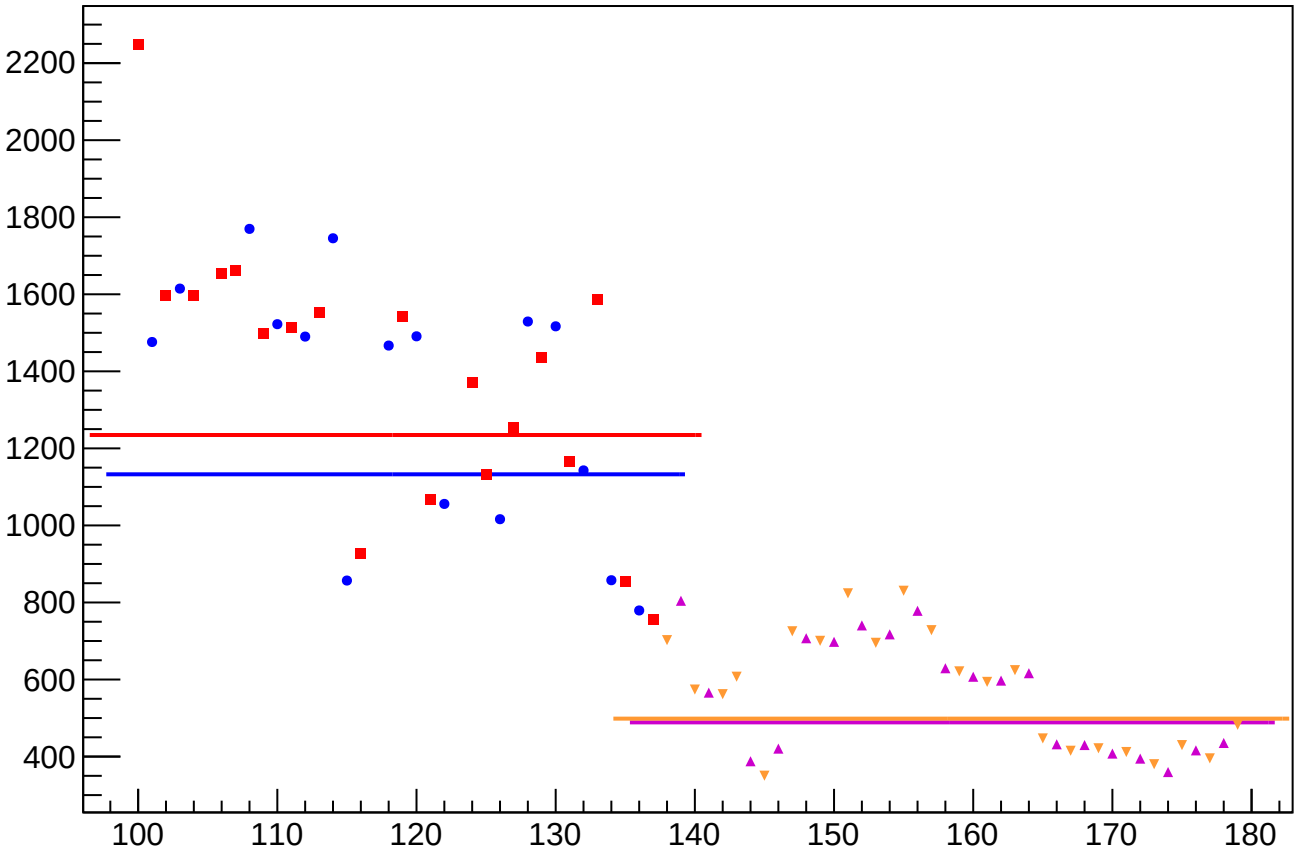
Left: -191.458+/-88.271 χ^2/NDF: 97.7/41

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 57.981+/-120.893 χ^2/NDF:50.1/35

Out: -431.499+/-119.851 χ^2/NDF:76.9/40

All: -188.877+/-85.114 χ^2/NDF: 135.3/76



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 488.770+/-0.089 χ^2/NDF:2118098.2/19

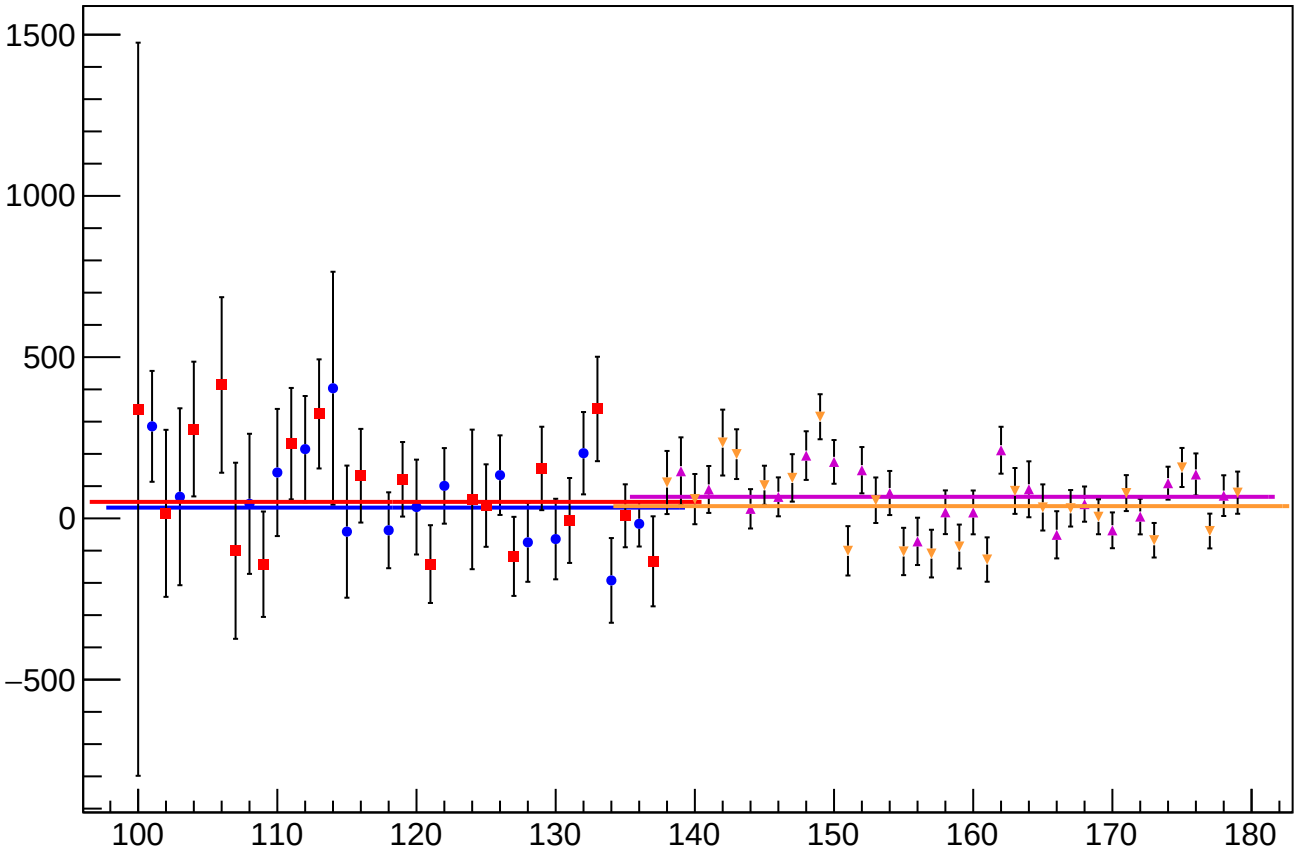
Left: 493.695+/-0.062 χ^2/NDF: 4428213.8/41

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 537.184+/-0.085 χ^2/NDF:7187570.6/35

Out: 546.657+/-0.085 χ^2/NDF:7795293.7/40

All: 541.961+/-0.060 χ^2/NDF: 14989058.5/76



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 37.985+/-14.246 χ^2/NDF:58.8/21

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.904+/-14.728 χ^2/NDF:25.7/19

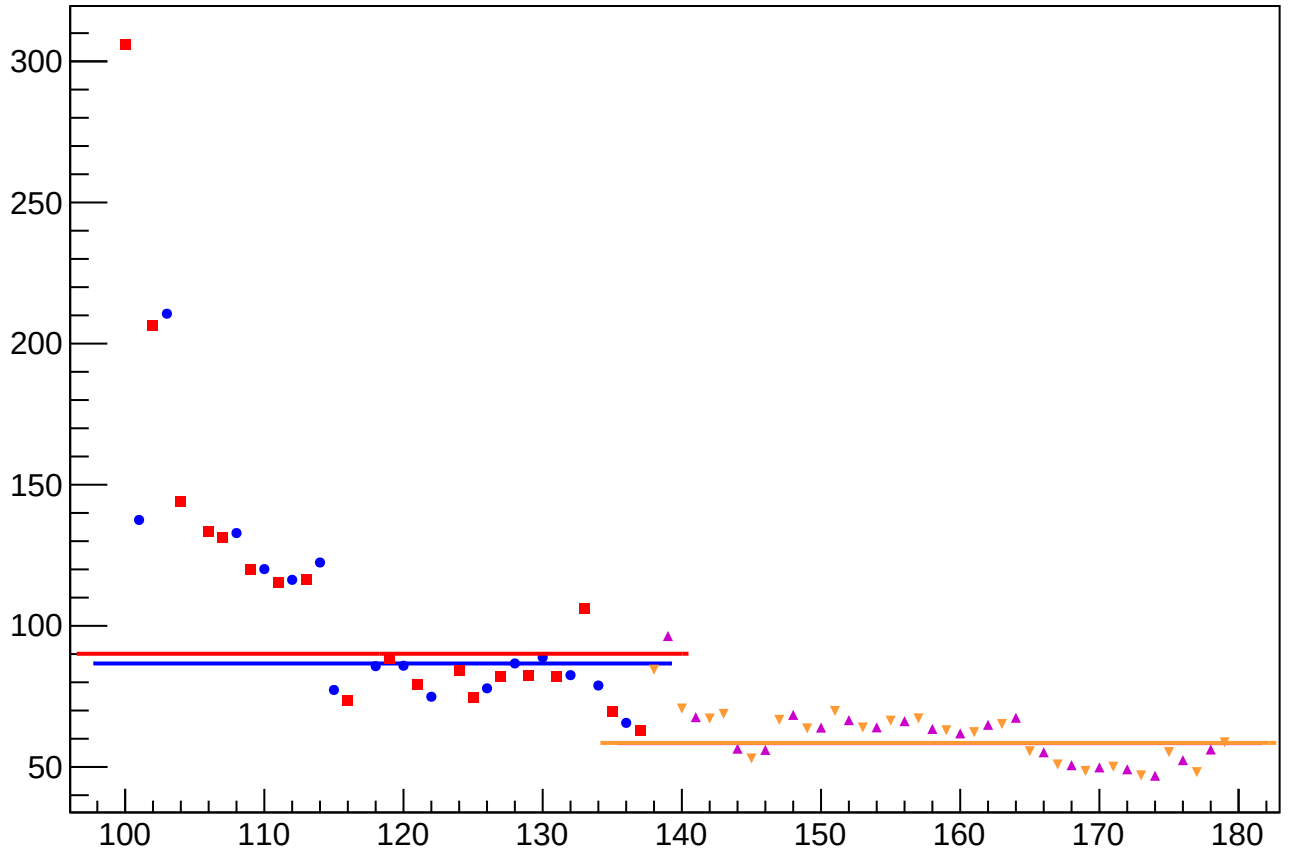
Left: 51.963+/-10.240 χ^2/NDF: 86.5/41

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.583+/-13.507 χ^2/NDF:39.3/35

Out: 39.875+/-13.187 χ^2/NDF:78.4/40

All: 50.468+/-9.436 χ^2/NDF: 119.1/76



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.525+/-0.010 χ^2/NDF:754553.4/21

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.447+/-0.010 χ^2/NDF:732855.9/19

Left: 58.487+/-0.007 χ^2/NDF: 1487437.9/41

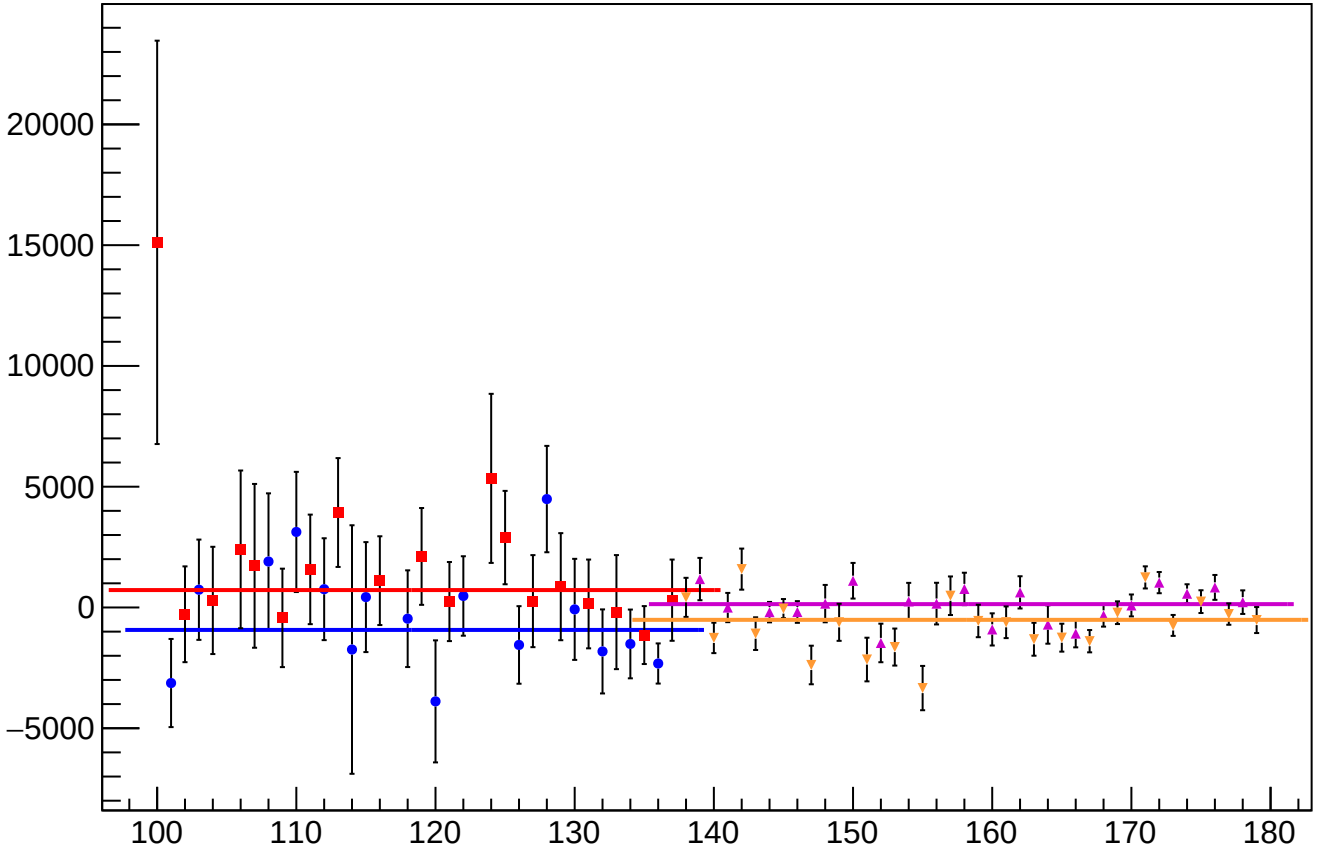
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.932+/-0.010 χ^2/NDF:2938555.2/35

Out: 63.047+/-0.009 χ^2/NDF:3307747.9/40

All: 62.991+/-0.007 χ^2/NDF: 6246377.1/76

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -512.161+/-123.976 χ^2/NDF:57.9/21

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 138.285+/-125.711 χ^2/NDF:26.2/19

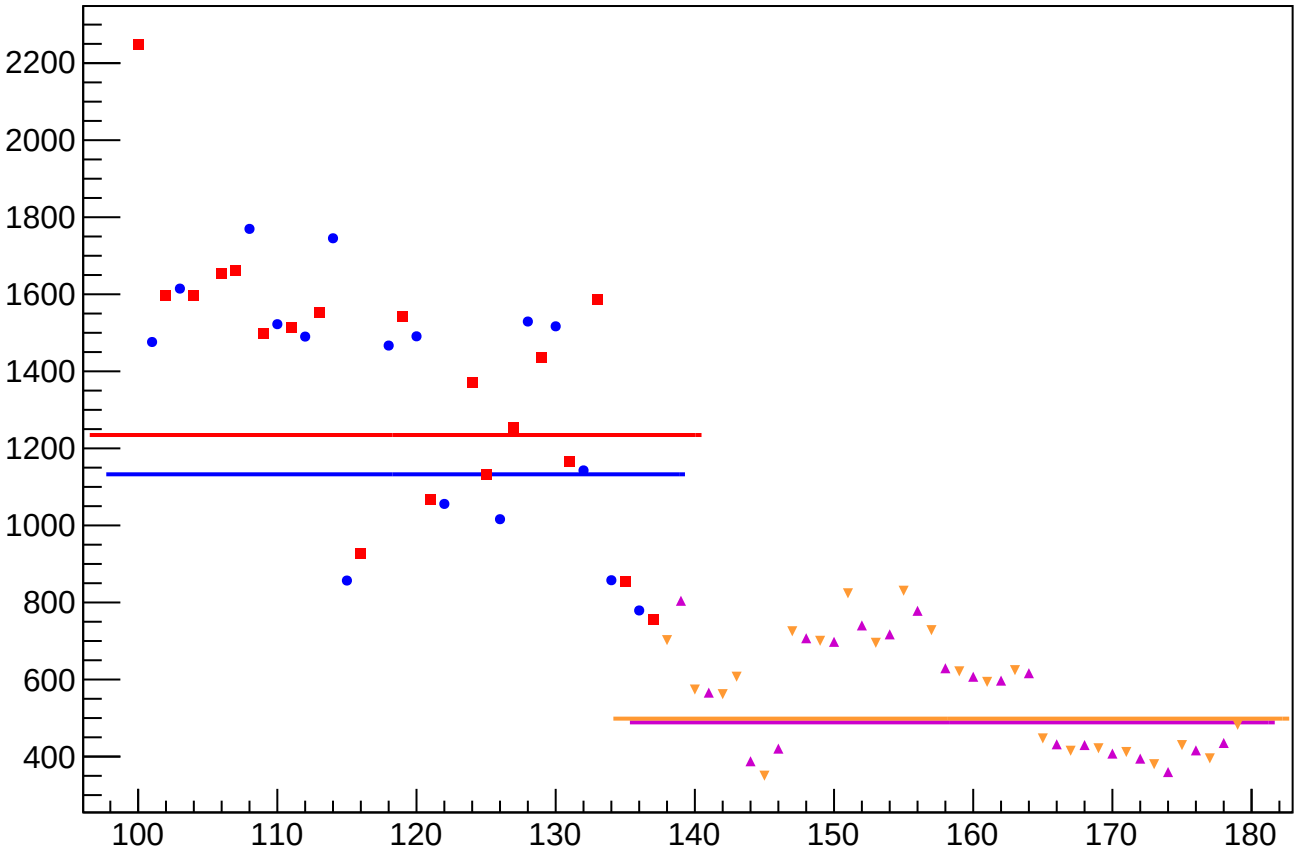
Left: -191.458+/-88.271 χ^2/NDF: 97.7/41

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 57.981+/-120.893 χ^2/NDF:50.1/35

Out: -431.499+/-119.851 χ^2/NDF:76.9/40

All: -188.877+/-85.114 χ^2/NDF: 135.3/76



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 498.484+/-0.088 χ^2/NDF:2304061.4/21

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 488.770+/-0.089 χ^2/NDF:2118098.2/19

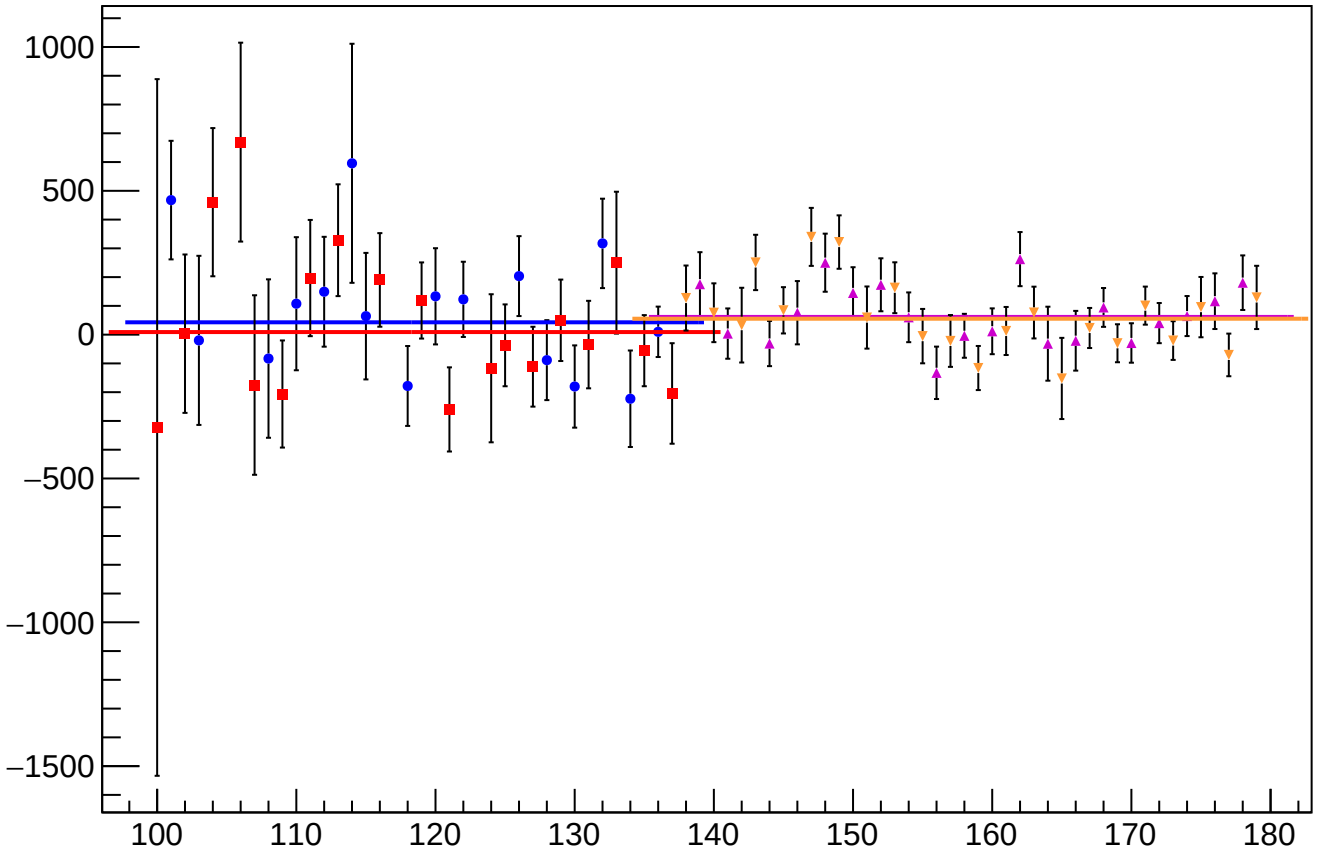
Left: 493.695+/-0.062 χ^2/NDF: 4428213.8/41

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 537.184+/-0.085 χ^2/NDF:7187570.6/35

Out: 546.657+/-0.085 χ^2/NDF:7795293.7/40

All: 541.961+/-0.060 χ^2/NDF: 14989058.5/76



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.361+/-18.611 χ^2/NDF:38.2/21

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 61.599+/-19.214 χ^2/NDF:24.1/19

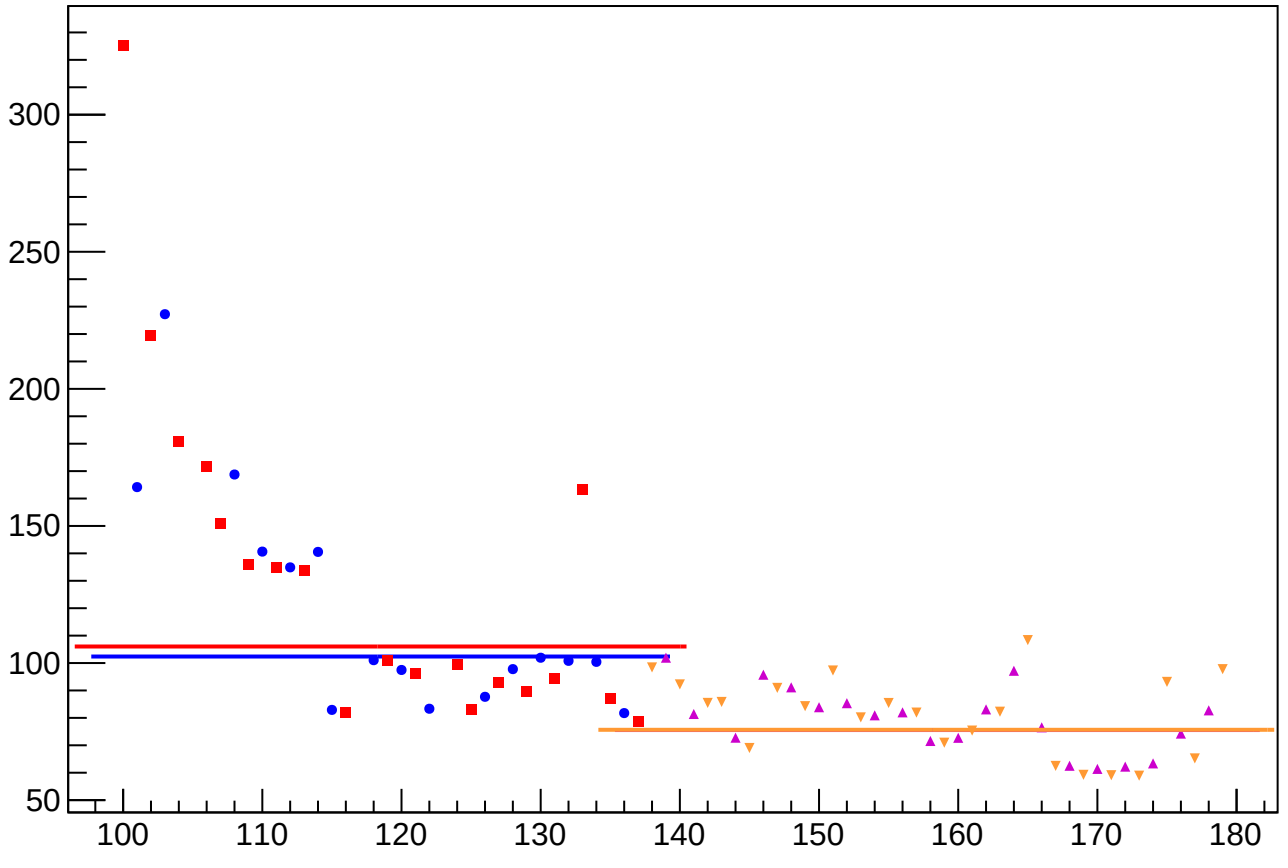
Left: 58.381+/-13.368 χ^2/NDF: 62.3/41

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 58.089+/-17.315 χ^2/NDF:44.6/35

Out: 47.458+/-16.951 χ^2/NDF:60.6/40

All: 52.660+/-12.113 χ^2/NDF: 105.4/76



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.652+/-0.013 χ^2/NDF:1106971.0/21

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.565+/-0.014 χ^2/NDF:680203.5/19

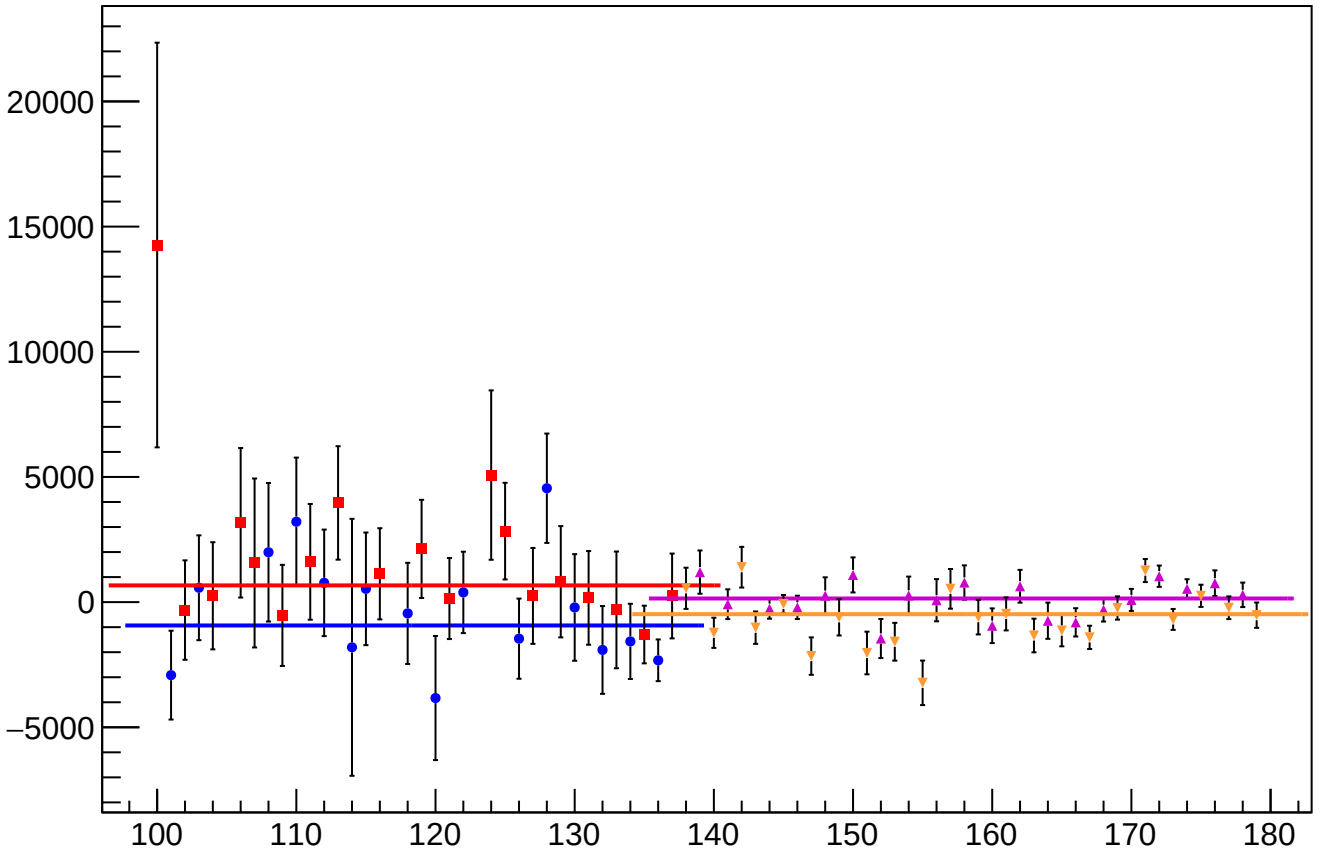
Left: 75.610+/-0.009 χ^2/NDF: 1787195.2/41

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.603+/-0.012 χ^2/NDF:2394262.9/35

Out: 80.829+/-0.012 χ^2/NDF:3206608.8/40

All: 80.719+/-0.009 χ^2/NDF: 5601046.7/76



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 145.326+/-123.572 χ^2/NDF:25.4/19

Left: -174.761+/-86.460 χ^2/NDF: 95.3/41

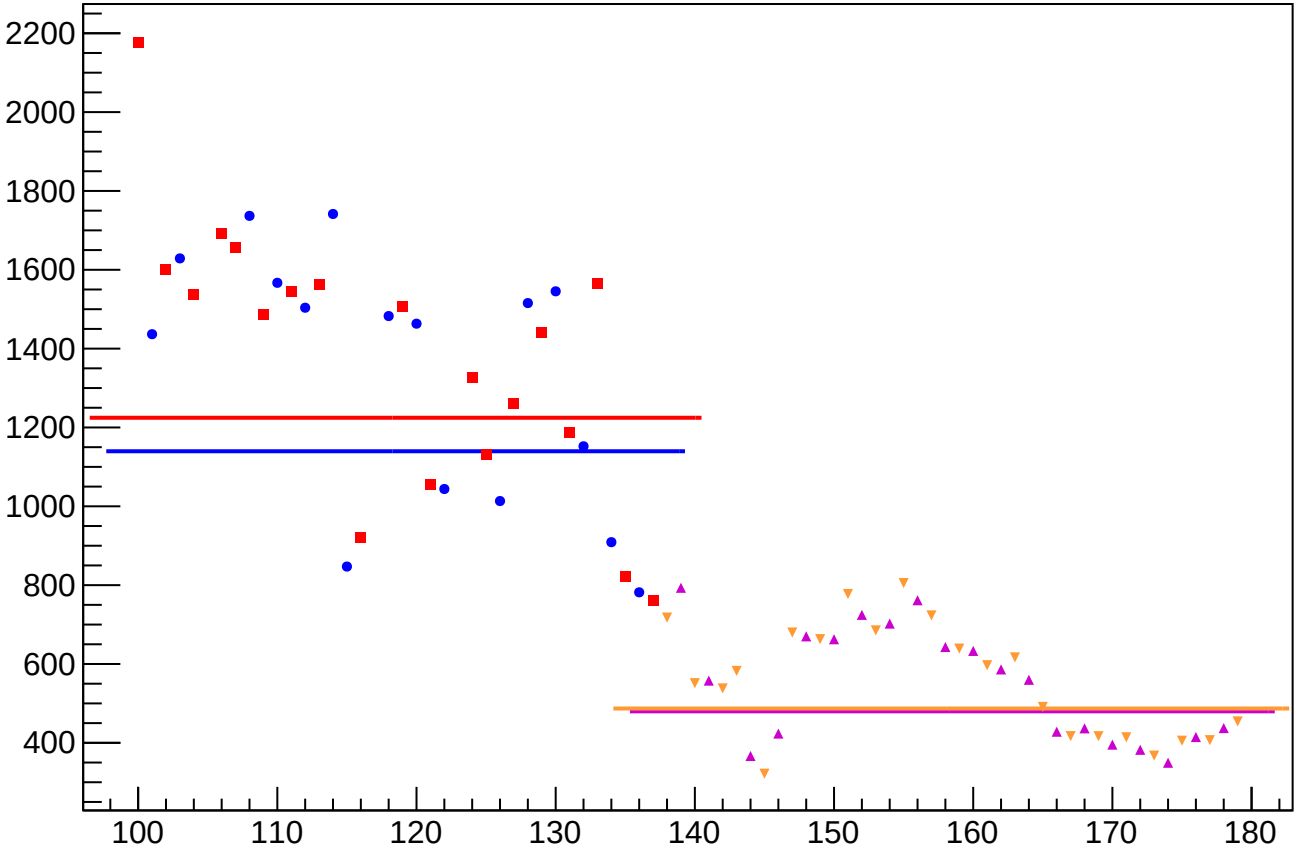
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 67.434+/-119.022 χ^2/NDF:49.4/35

Out: -408.249+/-117.086 χ^2/NDF:75.9/40

All: -174.309+/-83.468 χ^2/NDF: 133.5/76

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 487.049+/-0.086 χ^2/NDF:2380953.5/21

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 479.859+/-0.087 χ^2/NDF:2138775.0/19

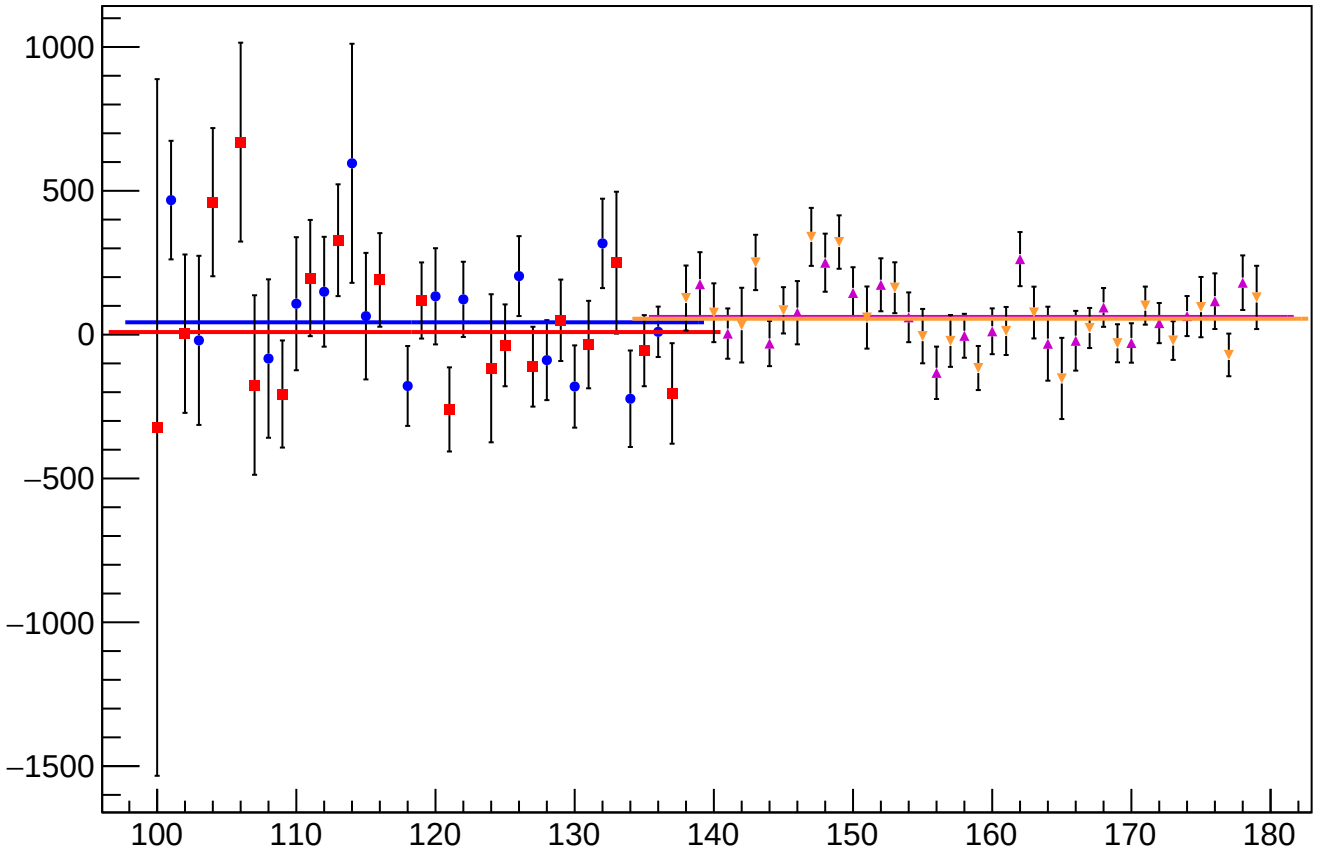
Left: 483.529+/-0.061 χ^2/NDF: 4523184.8/41

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 527.546+/-0.084 χ^2/NDF:7353203.9/35

Out: 534.175+/-0.083 χ^2/NDF:8050375.4/40

All: 530.915+/-0.059 χ^2/NDF: 15406732.1/76



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 55.360+/-18.611 χ^2/NDF:38.2/21

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 61.598+/-19.214 χ^2/NDF:24.1/19

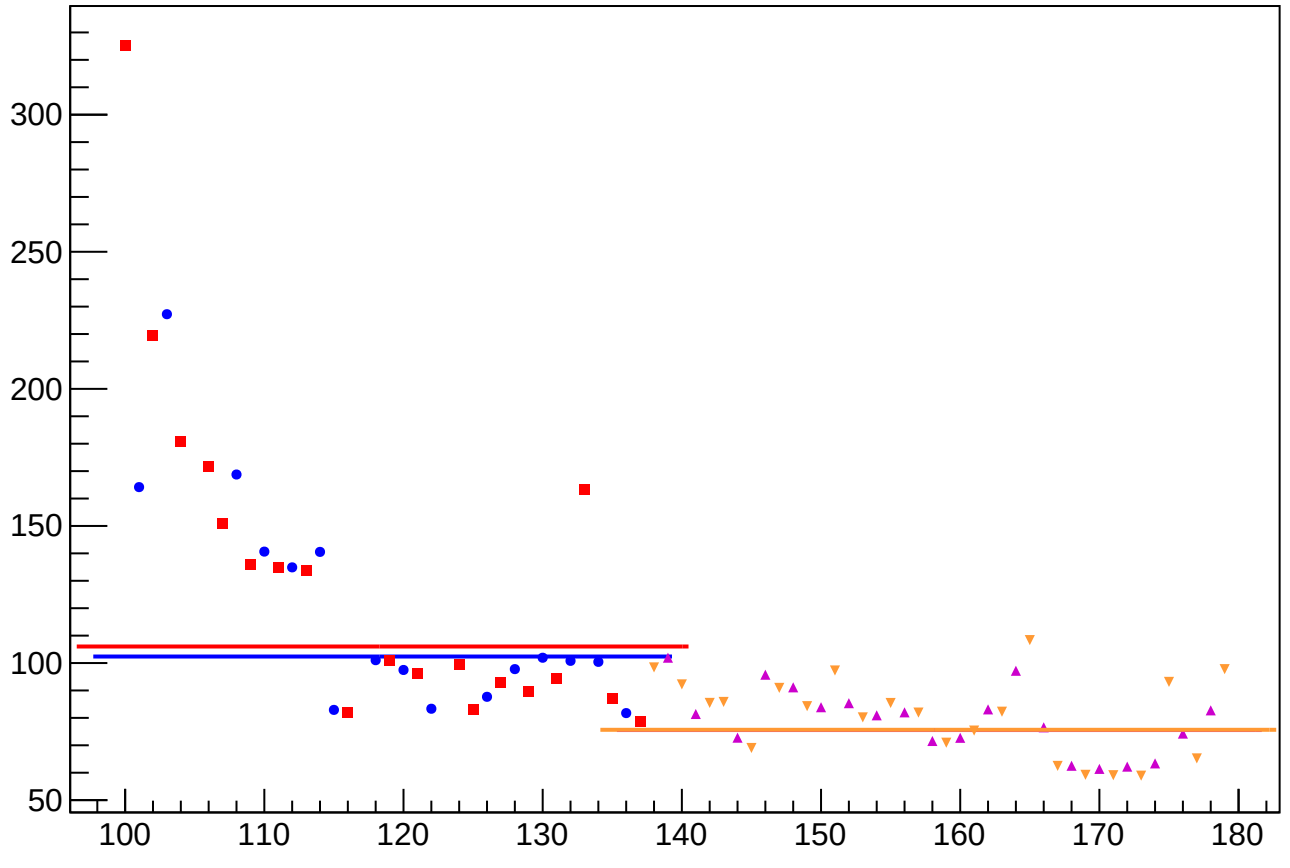
Left: 58.380+/-13.368 χ^2/NDF: 62.3/41

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 58.088+/-17.315 χ^2/NDF:44.6/35

Out: 47.457+/-16.951 χ^2/NDF:60.6/40

All: 52.659+/-12.113 χ^2/NDF: 105.4/76



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.652+/-0.013 χ^2/NDF:1106974.3/21

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.566+/-0.014 χ^2/NDF:680198.8/19

Left: 75.610+/-0.009 χ^2/NDF: 1787193.8/41

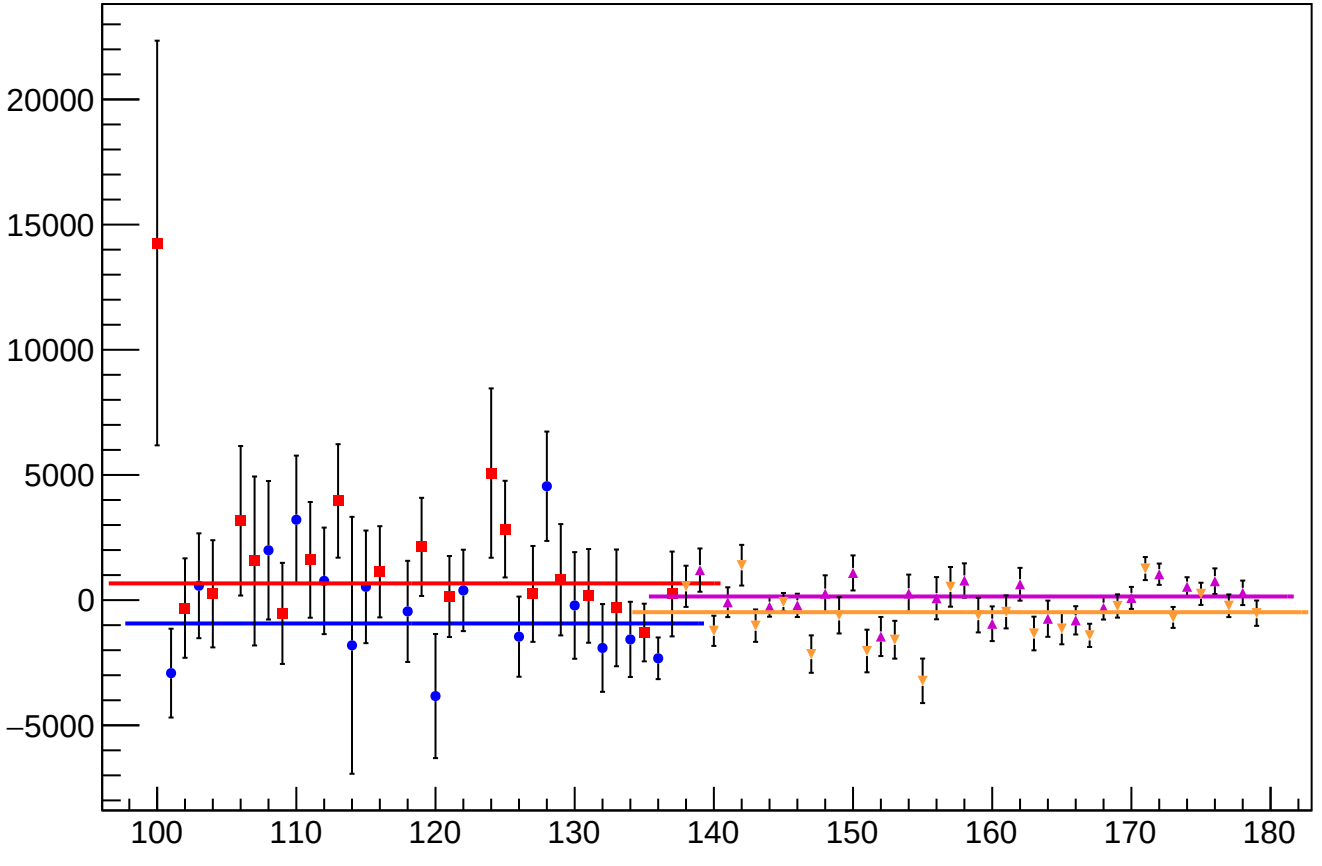
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.603+/-0.012 χ^2/NDF:2394226.3/35

Out: 80.830+/-0.012 χ^2/NDF:3206593.9/40

All: 80.719+/-0.009 χ^2/NDF: 5600995.3/76

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -481.742+/-121.015 χ^2/NDF:56.7/21

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 145.325+/-123.572 χ^2/NDF:25.4/19

Left: -174.762+/-86.460 χ^2/NDF: 95.3/41

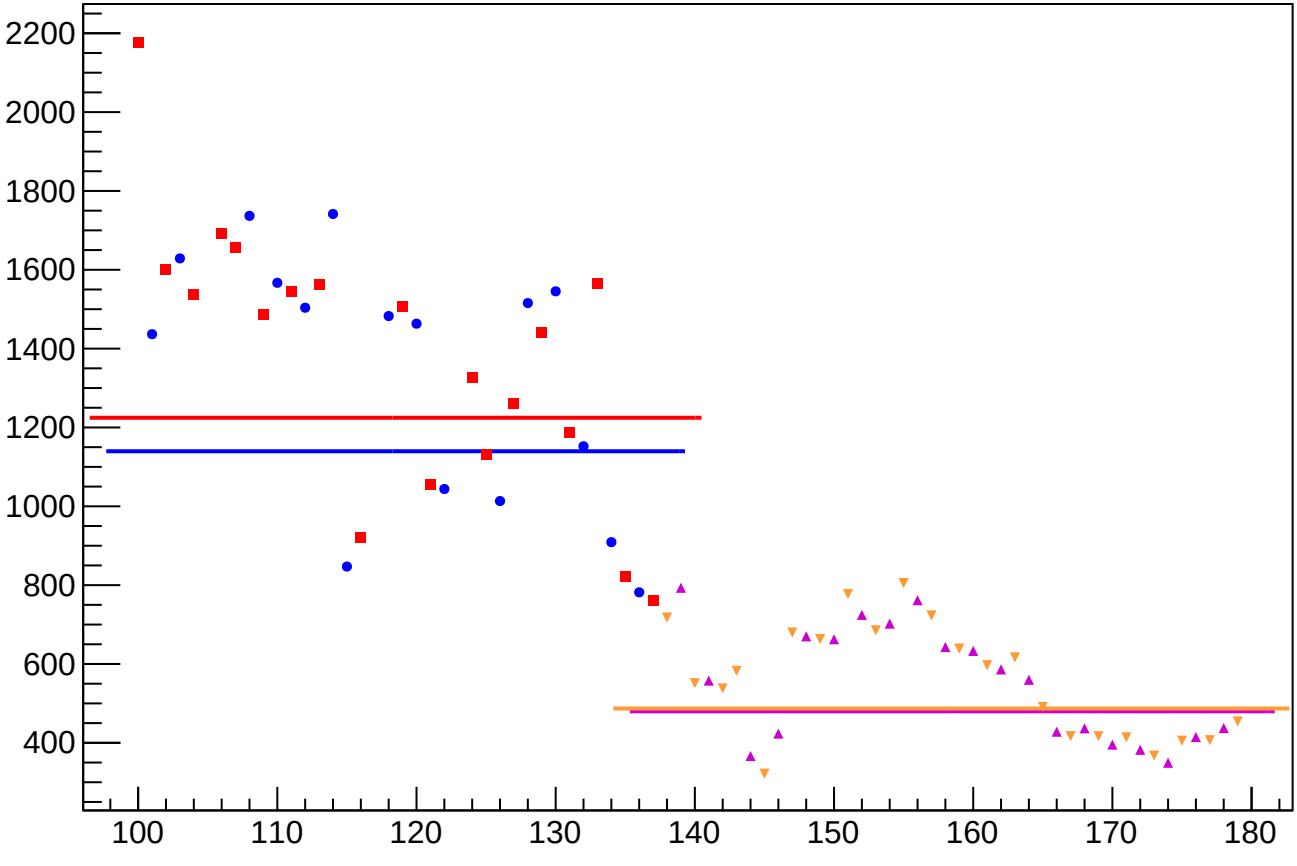
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 67.433+/-119.022 χ^2/NDF:49.4/35

Out: -408.249+/-117.086 χ^2/NDF:75.9/40

All: -174.309+/-83.468 χ^2/NDF: 133.5/76

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 487.049+/-0.086 χ^2/NDF:2380957.7/21

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 479.859+/-0.087 χ^2/NDF:2138768.2/19

Left: 483.529+/-0.061 χ^2/NDF: 4523182.0/41

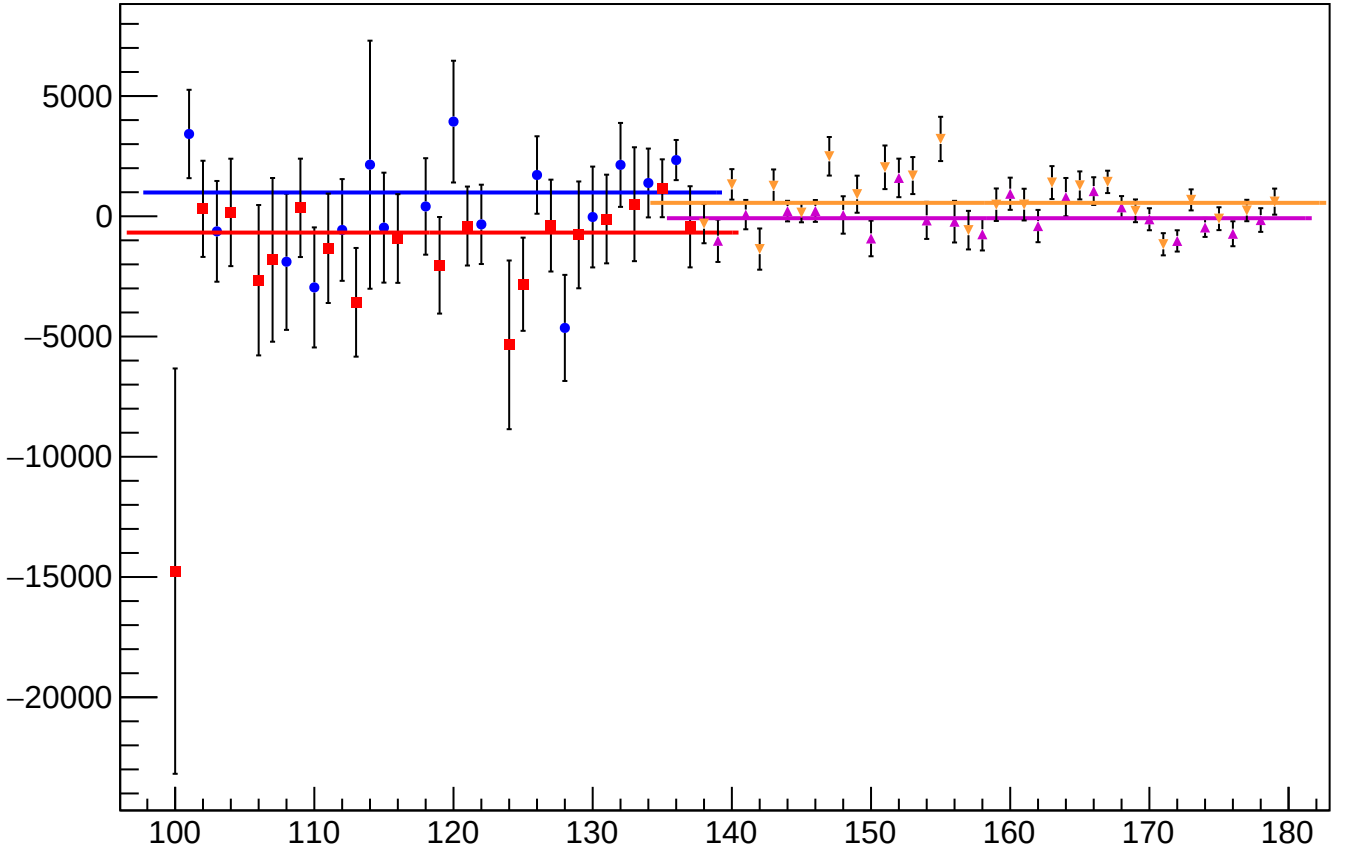
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 527.546+/-0.084 χ^2/NDF:7353181.8/35

Out: 534.175+/-0.083 χ^2/NDF:8050367.8/40

All: 530.915+/-0.059 χ^2/NDF: 15406702.0/76

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 558.669+/-124.888 χ^2/NDF:54.5/21

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -80.188+/-126.690 χ^2/NDF:24.4/19

Left: 243.816+/-88.939 χ^2/NDF: 91.8/41

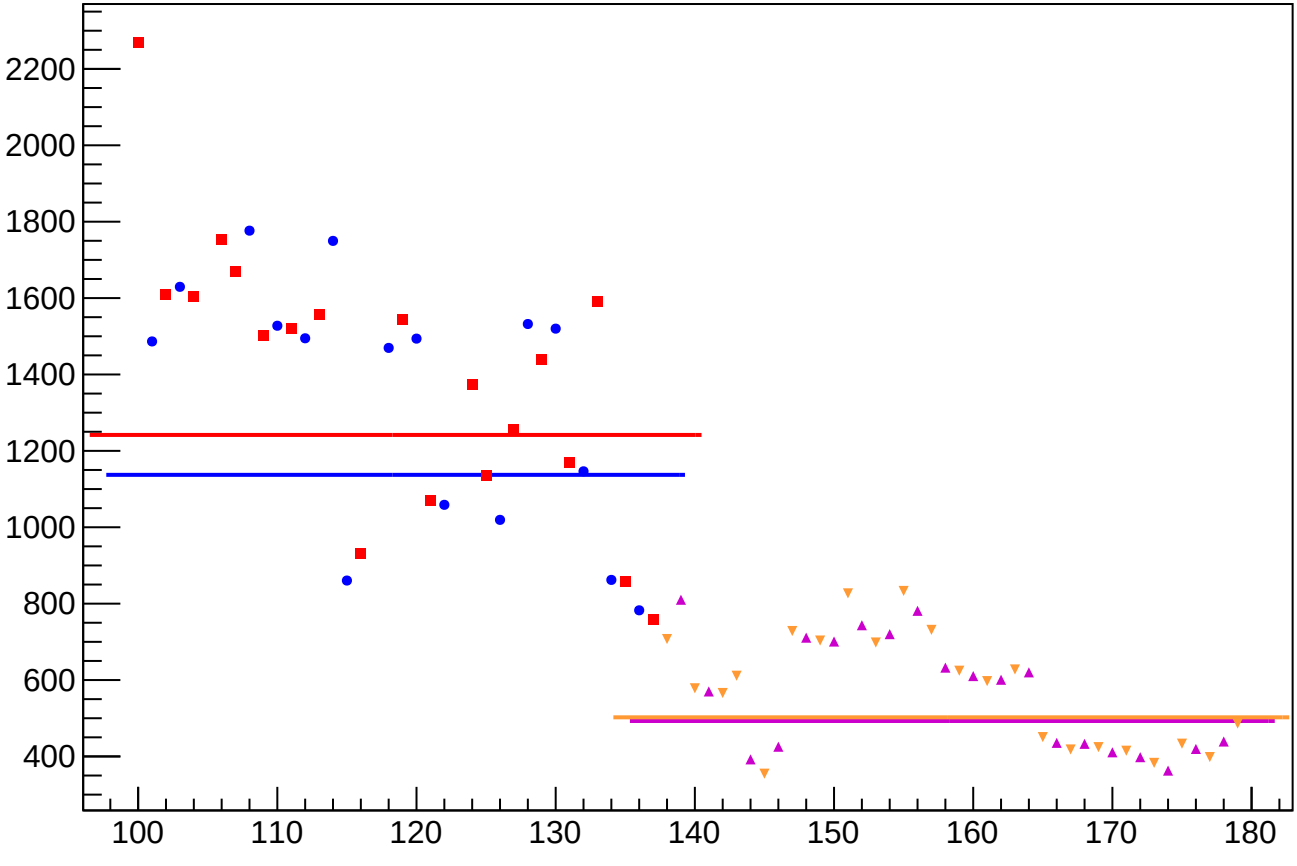
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 0.793+/-121.799 χ^2/NDF:48.9/35

Out: 477.023+/-120.693 χ^2/NDF:72.9/40

All: 241.079+/-85.731 χ^2/NDF: 129.5/76

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 502.373+/-0.088 χ^2/NDF:2275187.8/21

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 492.799+/-0.090 χ^2/NDF:2091295.5/19

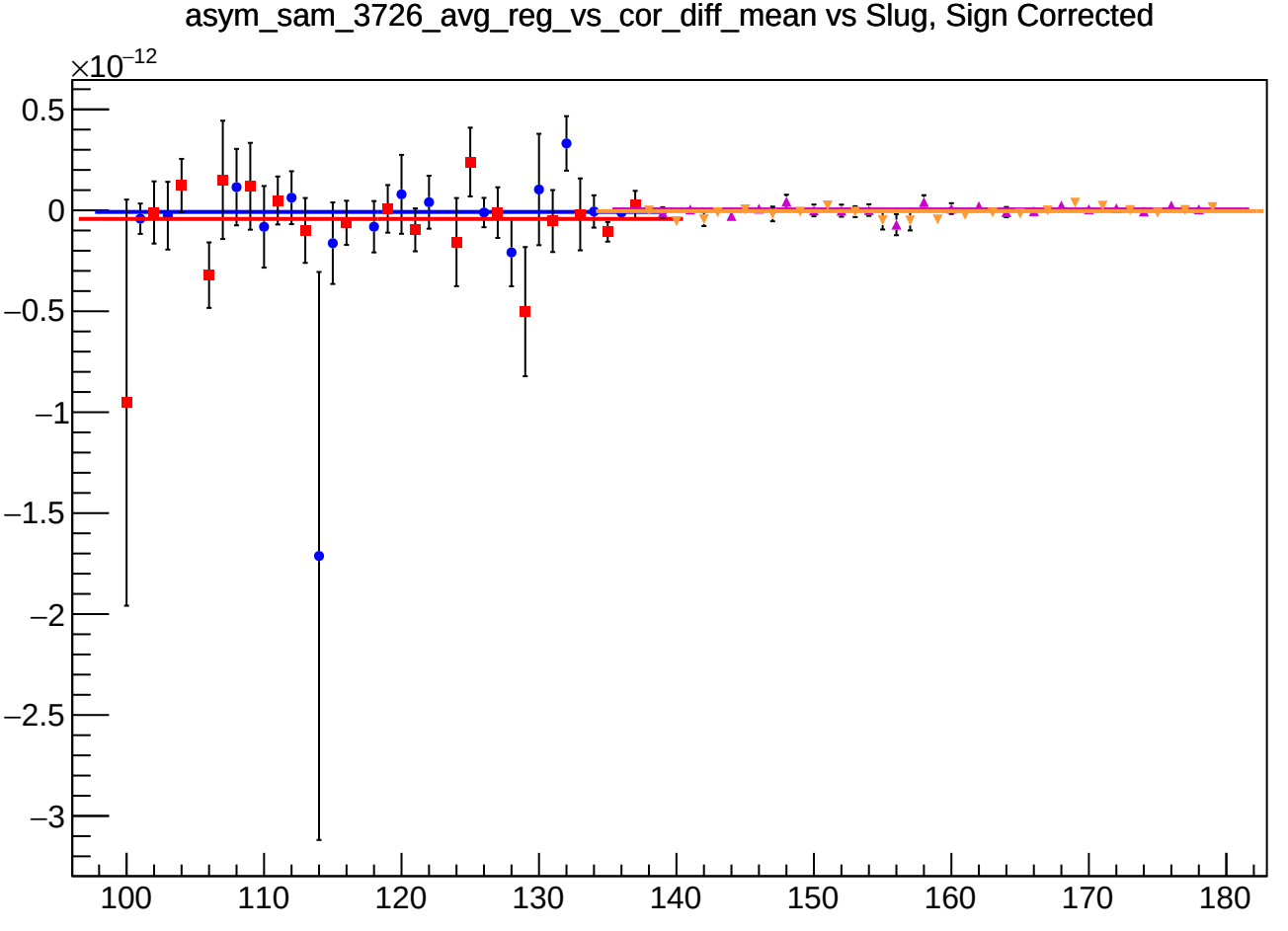
Left: 497.654+/-0.063 χ^2/NDF: 4372275.2/41

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 541.593+/-0.086 χ^2/NDF:7133151.1/35

Out: 551.199+/-0.085 χ^2/NDF:7803636.7/40

All: 546.440+/-0.061 χ^2/NDF: 14943064.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/19

Left: -0.000+/-0.000 χ^2/NDF: 43.5/41

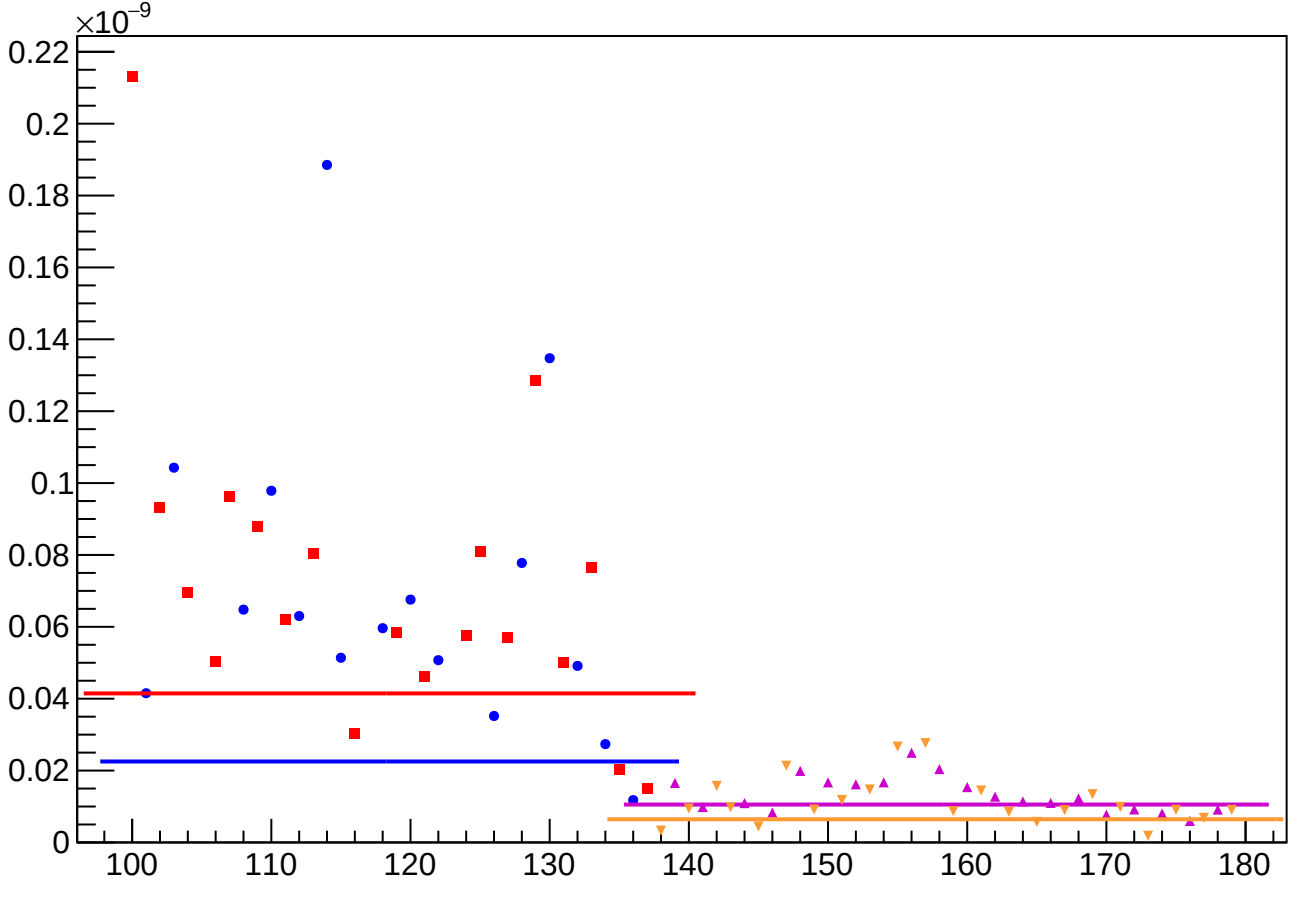
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.3/35

Out: -0.000+/-0.000 χ^2/NDF:45.5/40

All: -0.000+/-0.000 χ^2/NDF: 73.2/76

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3713727.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1350531.8/19

Left: 0.000+/-0.000 χ^2/NDF: 6120296.9/41

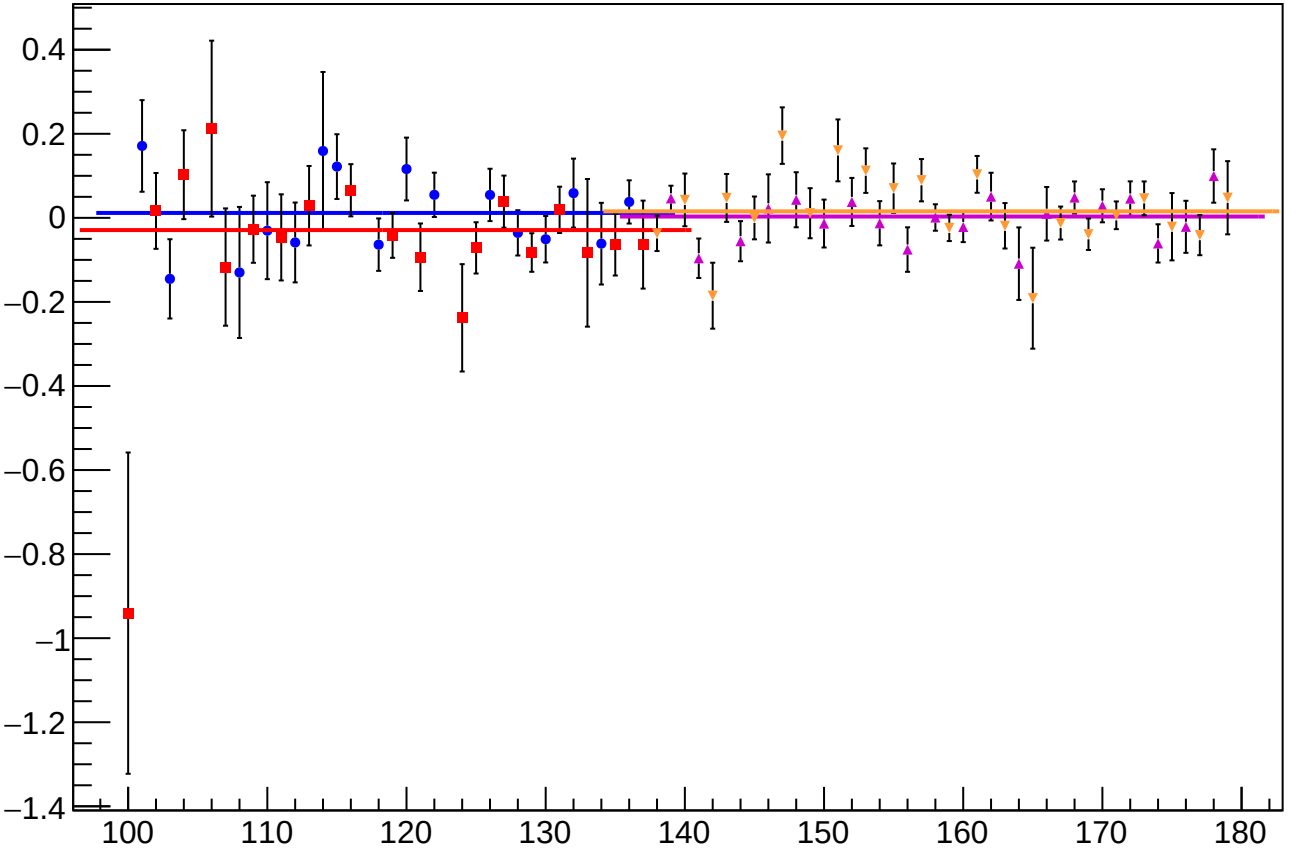
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:5094753.2/35

Out: 0.000+/-0.000 χ^2/NDF:8861385.9/40

All: 0.000+/-0.000 χ^2/NDF: 15231726.1/76

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

Left: 0.009+/-0.007 χ^2/NDF: 62.3/41

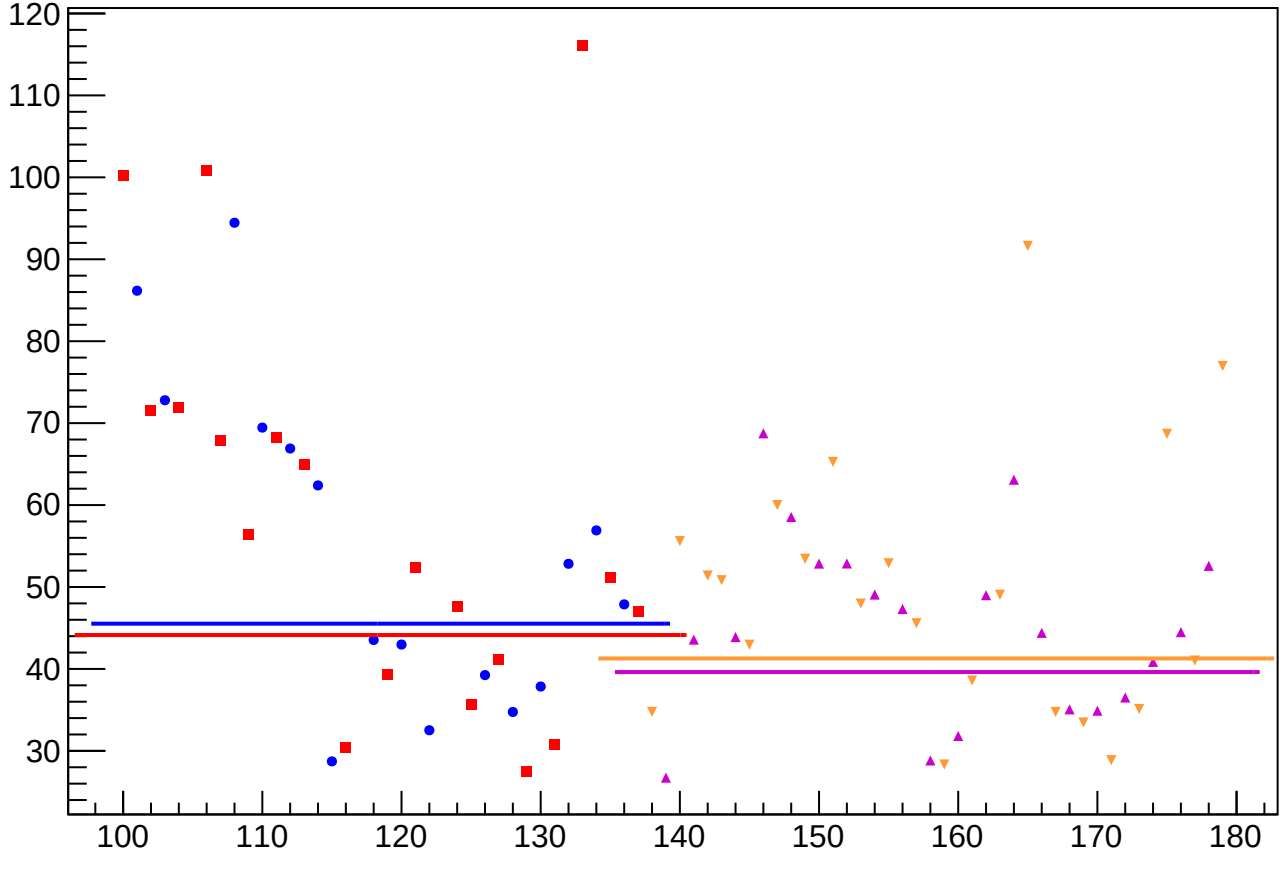
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.005+/-0.006 χ^2/NDF: 102.8/76

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.279+/-0.007 χ^2/NDF:2605693.2/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

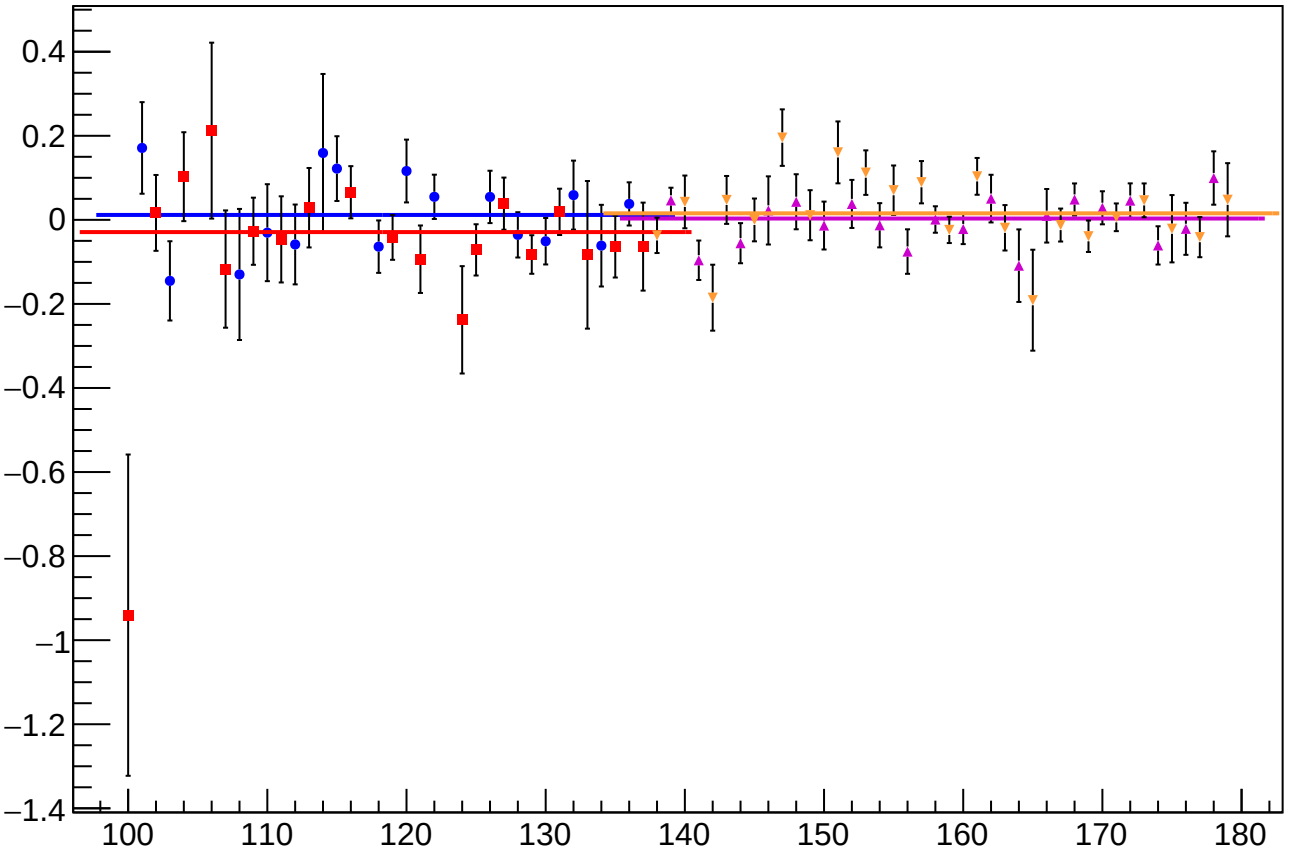
Left: 40.445+/-0.005 χ^2/NDF: 4483181.9/41

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.077+/-0.006 χ^2/NDF:3263090.9/35

Out: 42.018+/-0.006 χ^2/NDF:4387117.3/40

All: 41.548+/-0.005 χ^2/NDF: 7660921.9/76



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

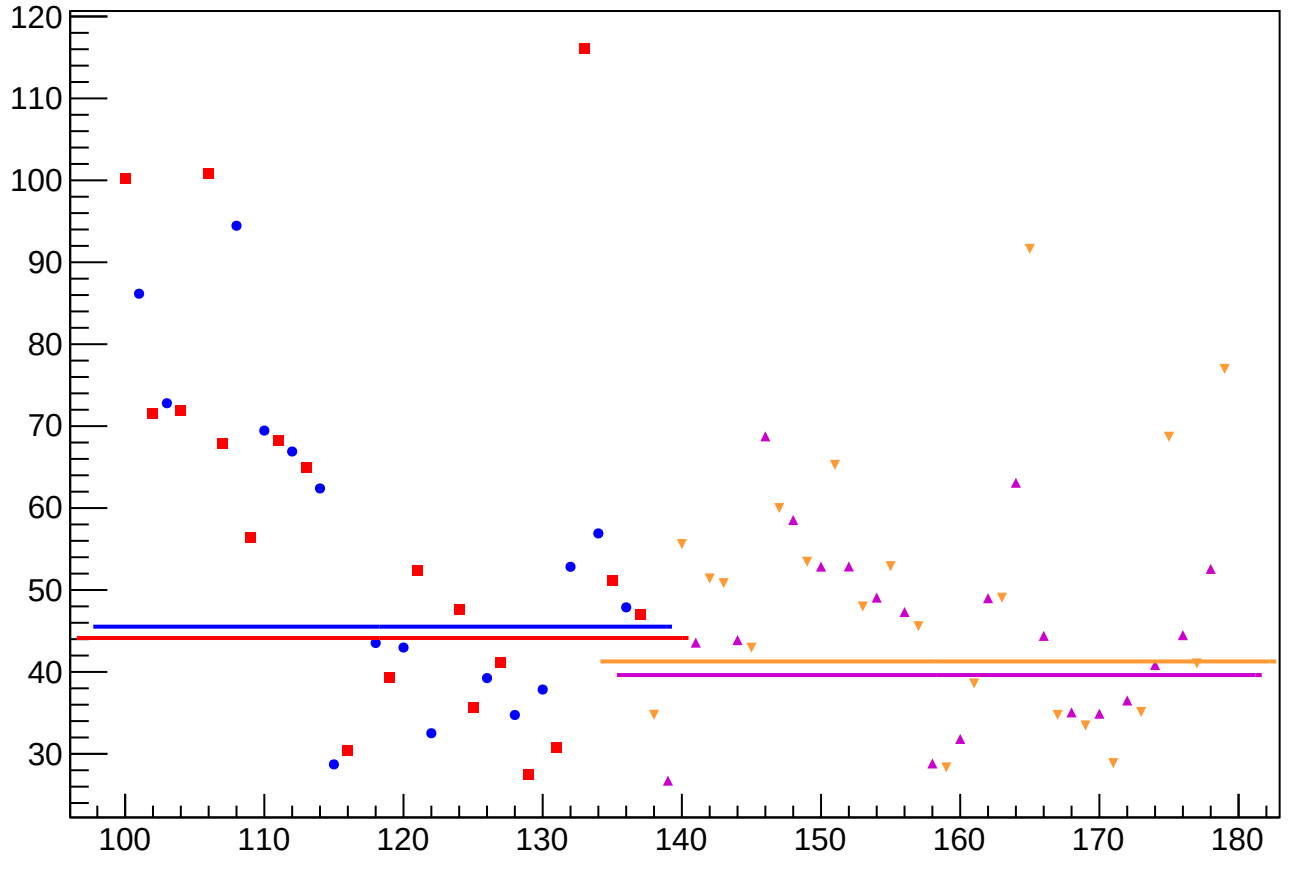
Left: 0.009+/-0.007 χ^2/NDF: 62.3/41

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.005+/-0.006 χ^2/NDF: 102.8/76



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 41.279+/-0.007 χ^2/NDF:2605693.2/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

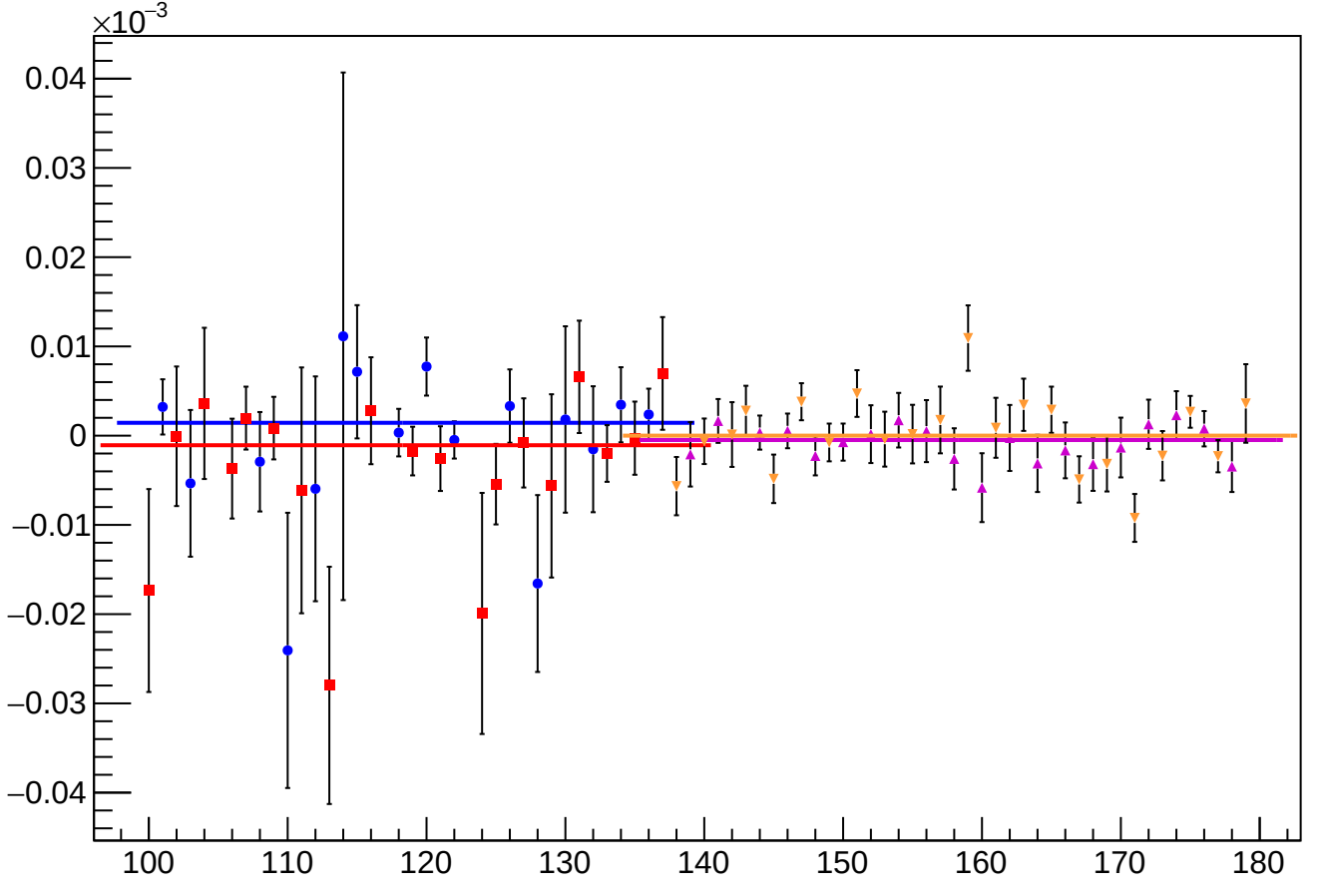
Left: 40.445+/-0.005 χ^2/NDF: 4483181.9/41

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.077+/-0.006 χ^2/NDF:3263090.9/35

Out: 42.018+/-0.006 χ^2/NDF:4387117.3/40

All: 41.548+/-0.005 χ^2/NDF: 7660921.9/76



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/19

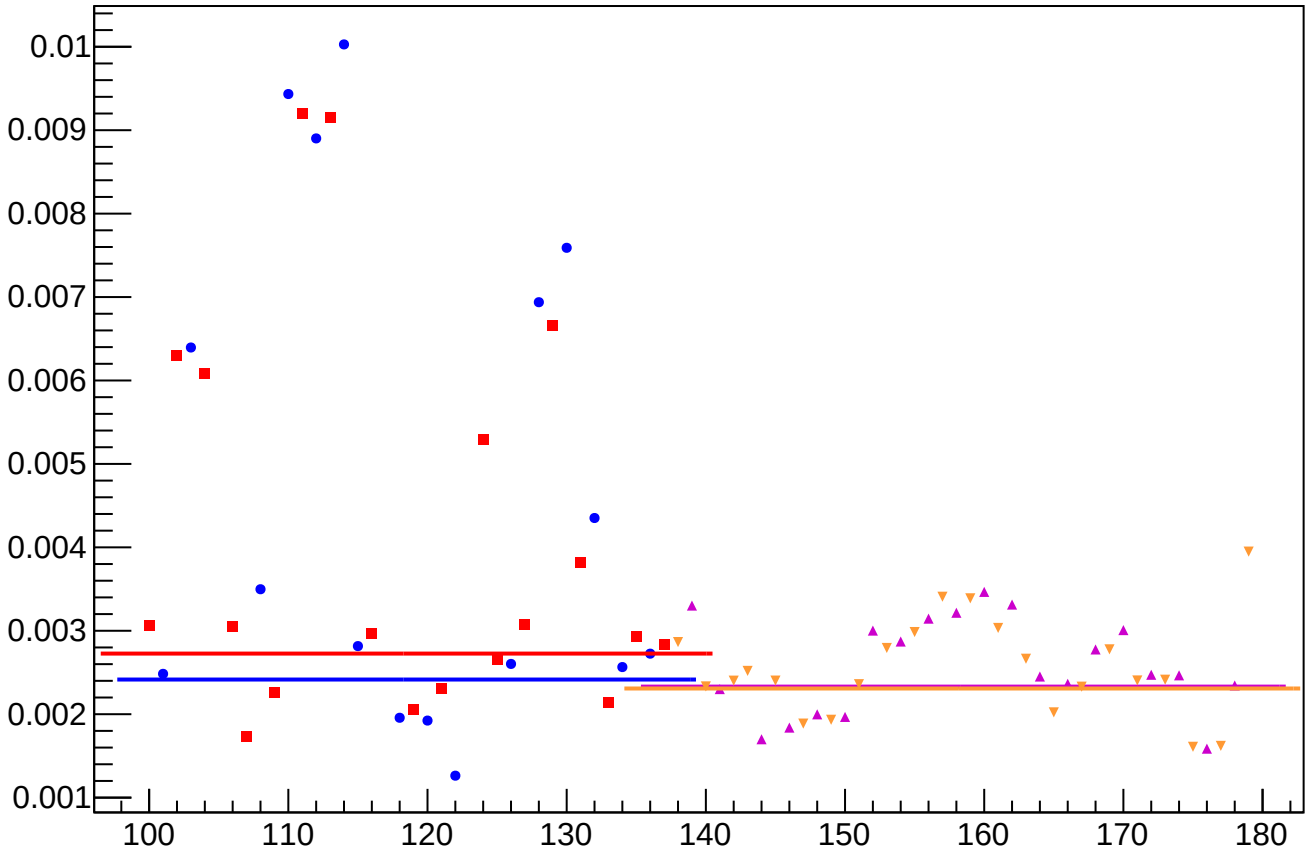
Left: -0.000+/-0.000 χ^2/NDF: 57.5/41

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: -0.000+/-0.000 χ^2/NDF:26.5/35

Out: -0.000+/-0.000 χ^2/NDF:63.0/40

All: -0.000+/-0.000 χ^2/NDF: 89.6/76



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1774253.4/21

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1726655.5/19

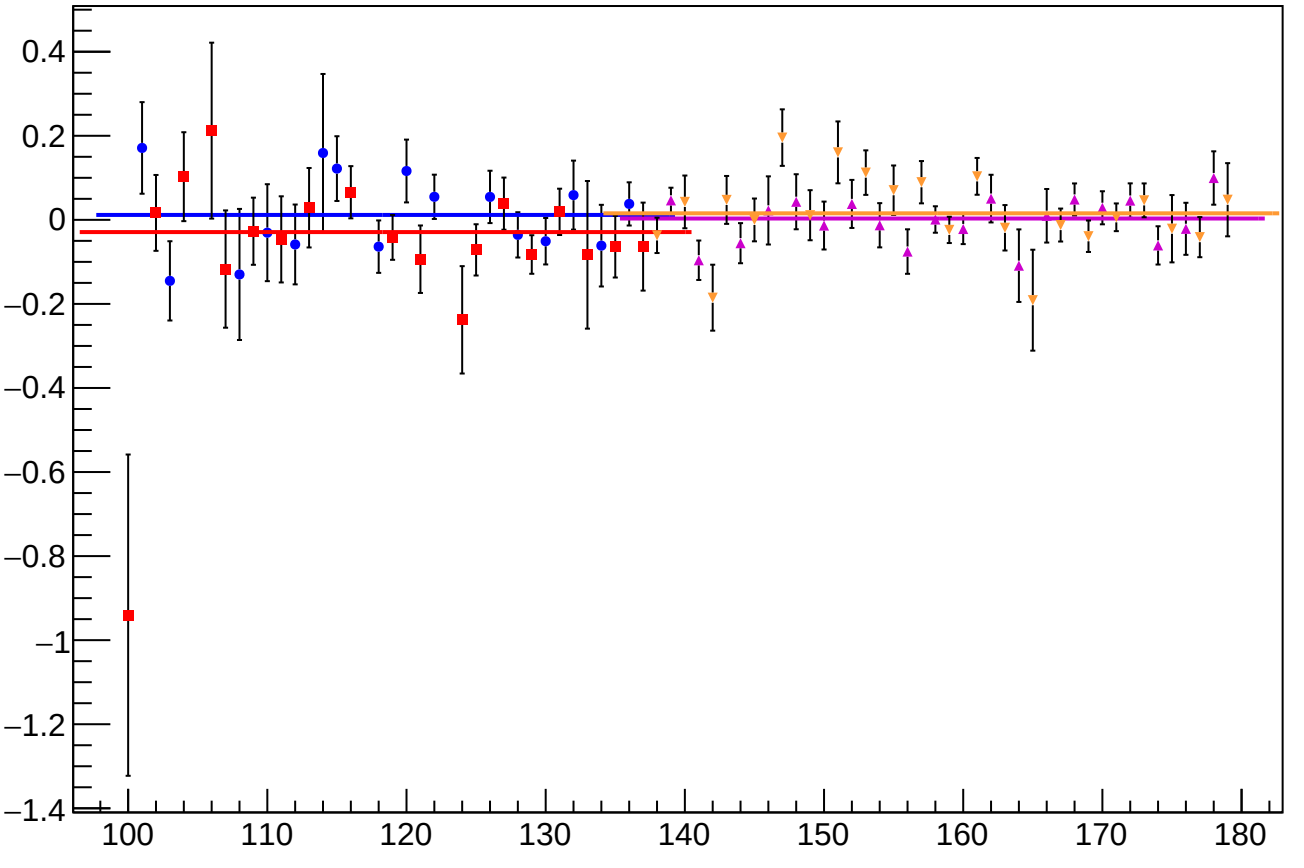
Left: 0.002+/-0.000 χ^2/NDF: 3502412.4/41

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5168714.1/35

Out: 0.002+/-0.000 χ^2/NDF:4500597.9/40

All: 0.002+/-0.000 χ^2/NDF: 9675991.6/76



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

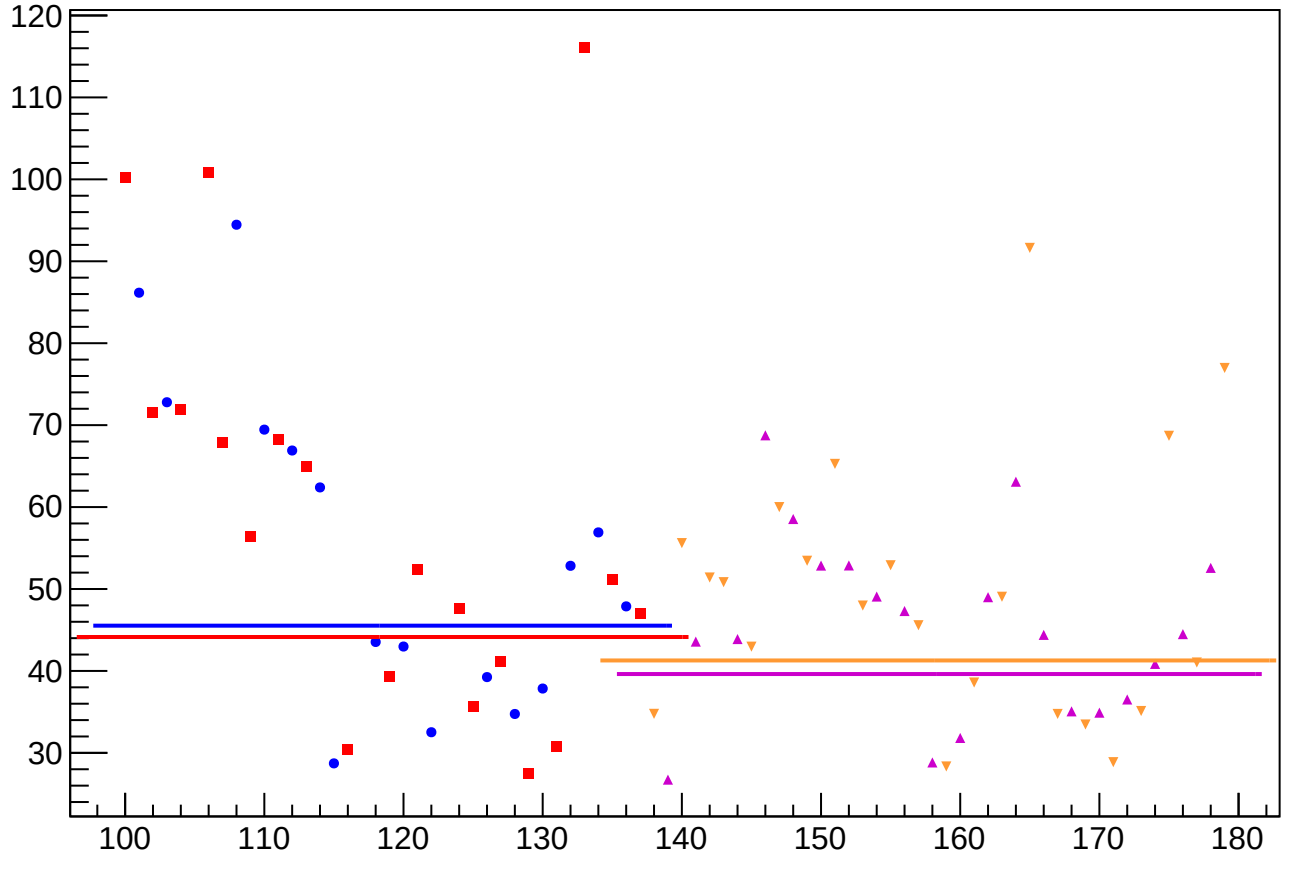
Left: 0.009+/-0.007 χ^2/NDF: 62.3/41

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.005+/-0.006 χ^2/NDF: 102.8/76



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.280+/-0.007 χ^2/NDF:2605732.5/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

Left: 40.445+/-0.005 χ^2/NDF: 4483255.2/41

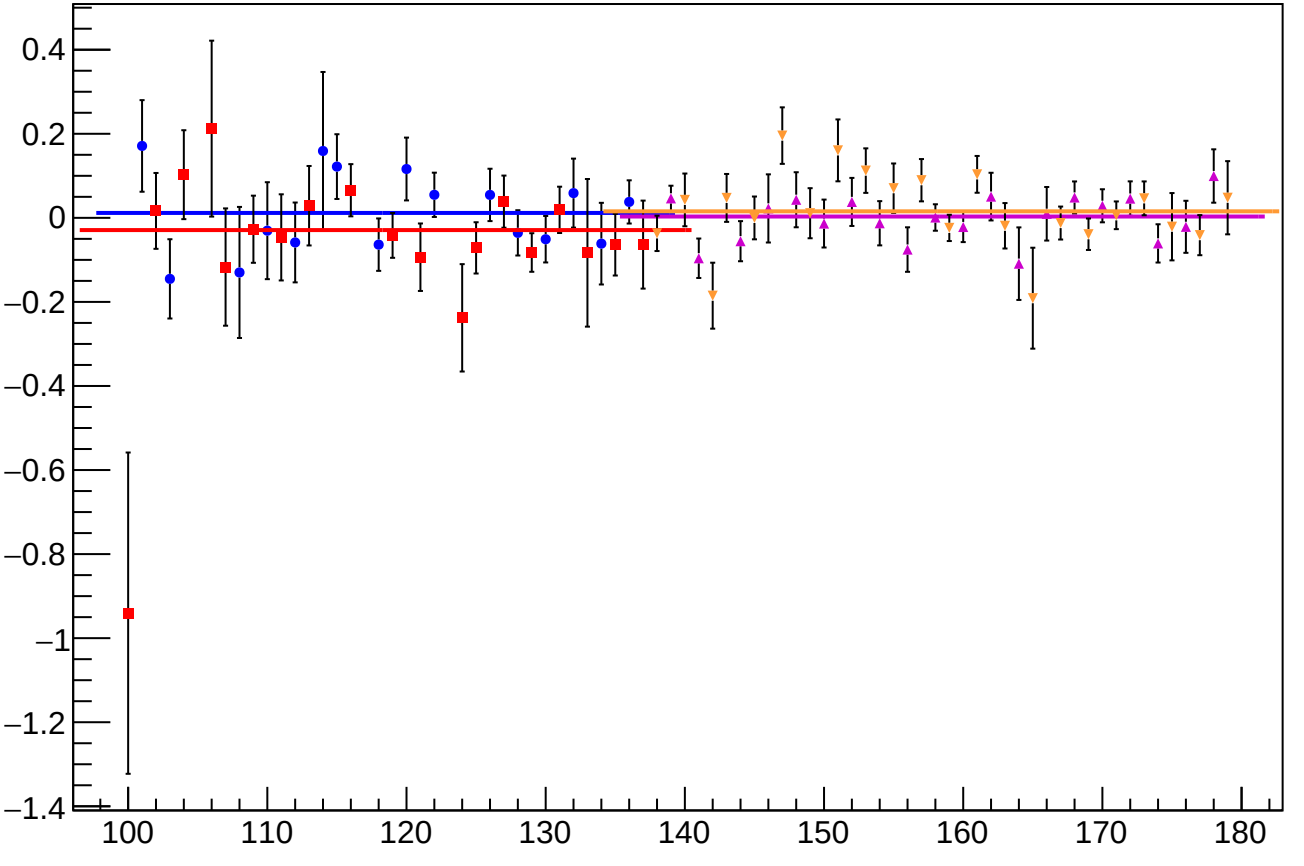
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.077+/-0.006 χ^2/NDF:3263064.0/35

Out: 42.018+/-0.006 χ^2/NDF:4387078.6/40

All: 41.548+/-0.005 χ^2/NDF: 7660856.7/76

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:40.2/21

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

Left: 0.009+/-0.007 χ^2/NDF: 62.3/41

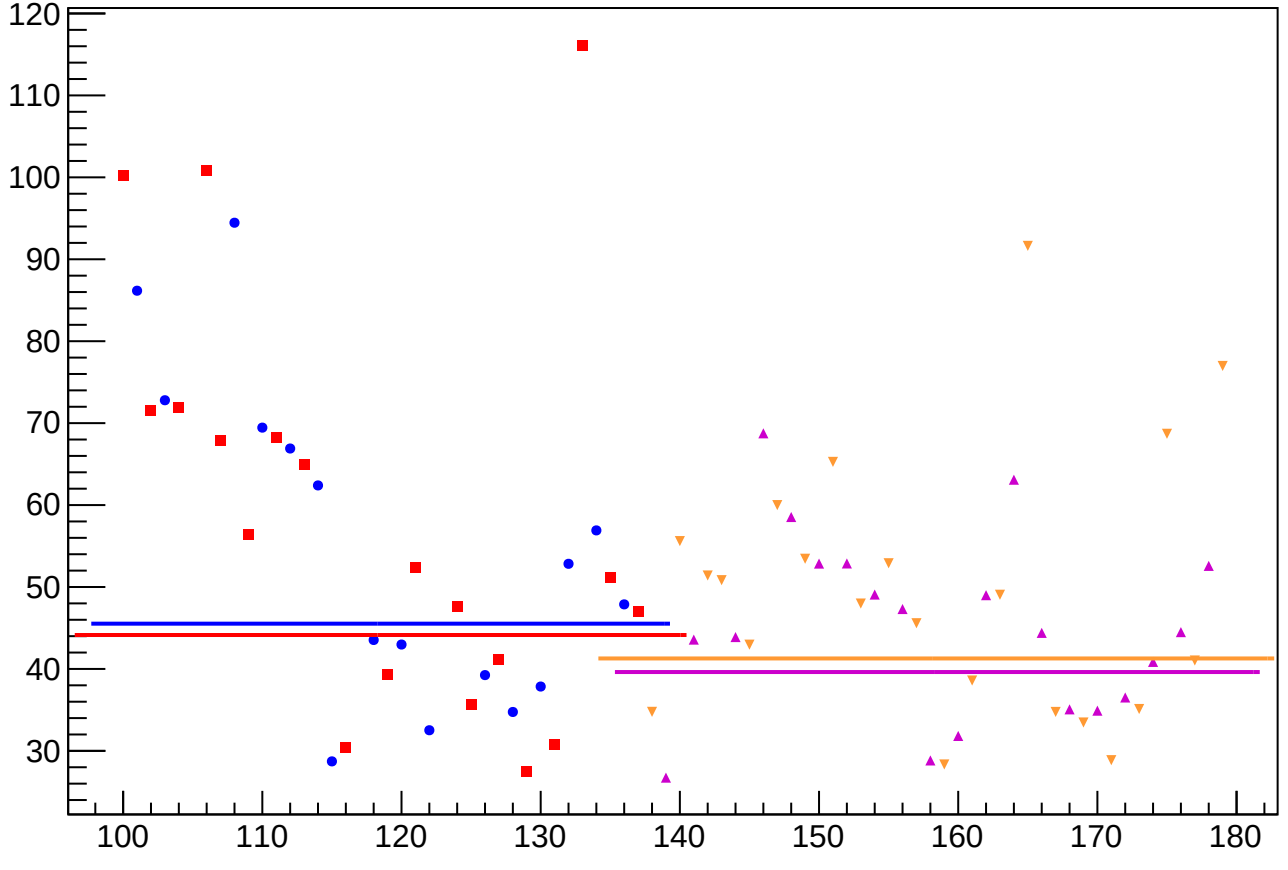
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.4/40

All: 0.005+/-0.006 χ^2/NDF: 102.8/76

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 41.280+/-0.007 χ^2/NDF:2605732.5/21

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

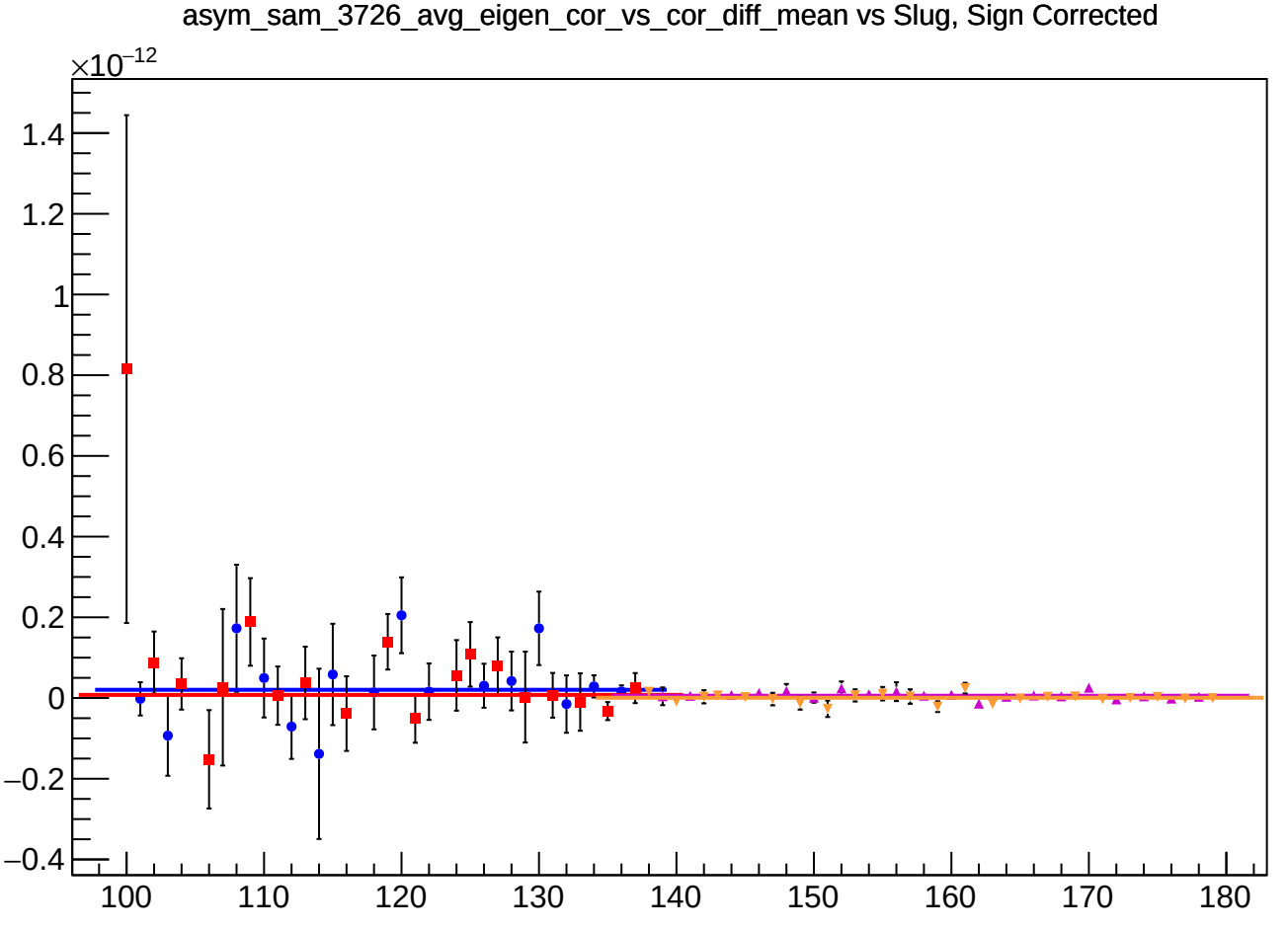
Left: 40.445+/-0.005 χ^2/NDF: 4483255.2/41

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.077+/-0.006 χ^2/NDF:3263064.0/35

Out: 42.018+/-0.006 χ^2/NDF:4387078.6/40

All: 41.548+/-0.005 χ^2/NDF: 7660856.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/19

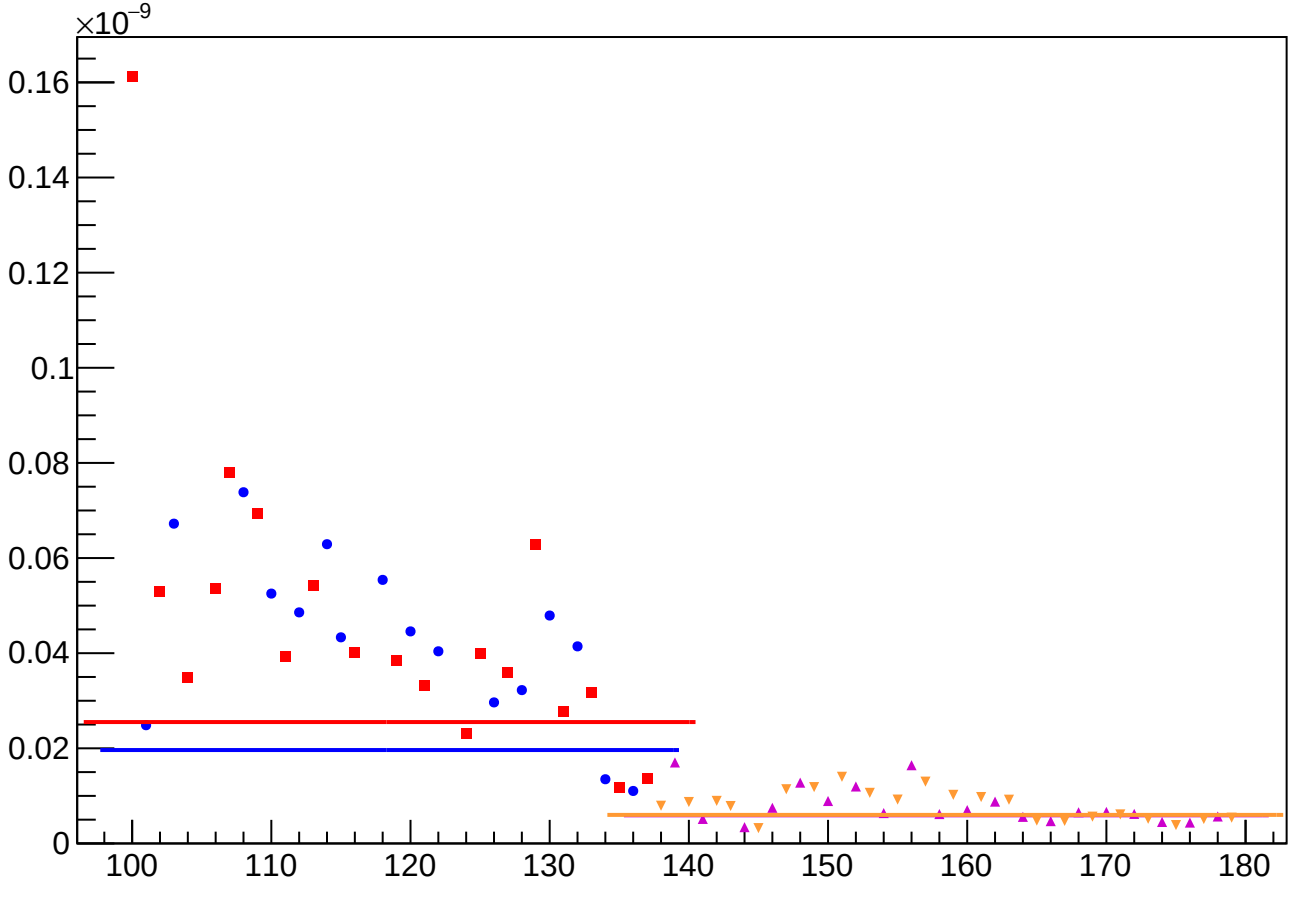
Left: 0.000+/-0.000 χ^2/NDF: 29.4/41

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.0/35

Out: 0.000+/-0.000 χ^2/NDF:33.0/40

All: 0.000+/-0.000 χ^2/NDF: 62.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3133109.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2442390.5/19

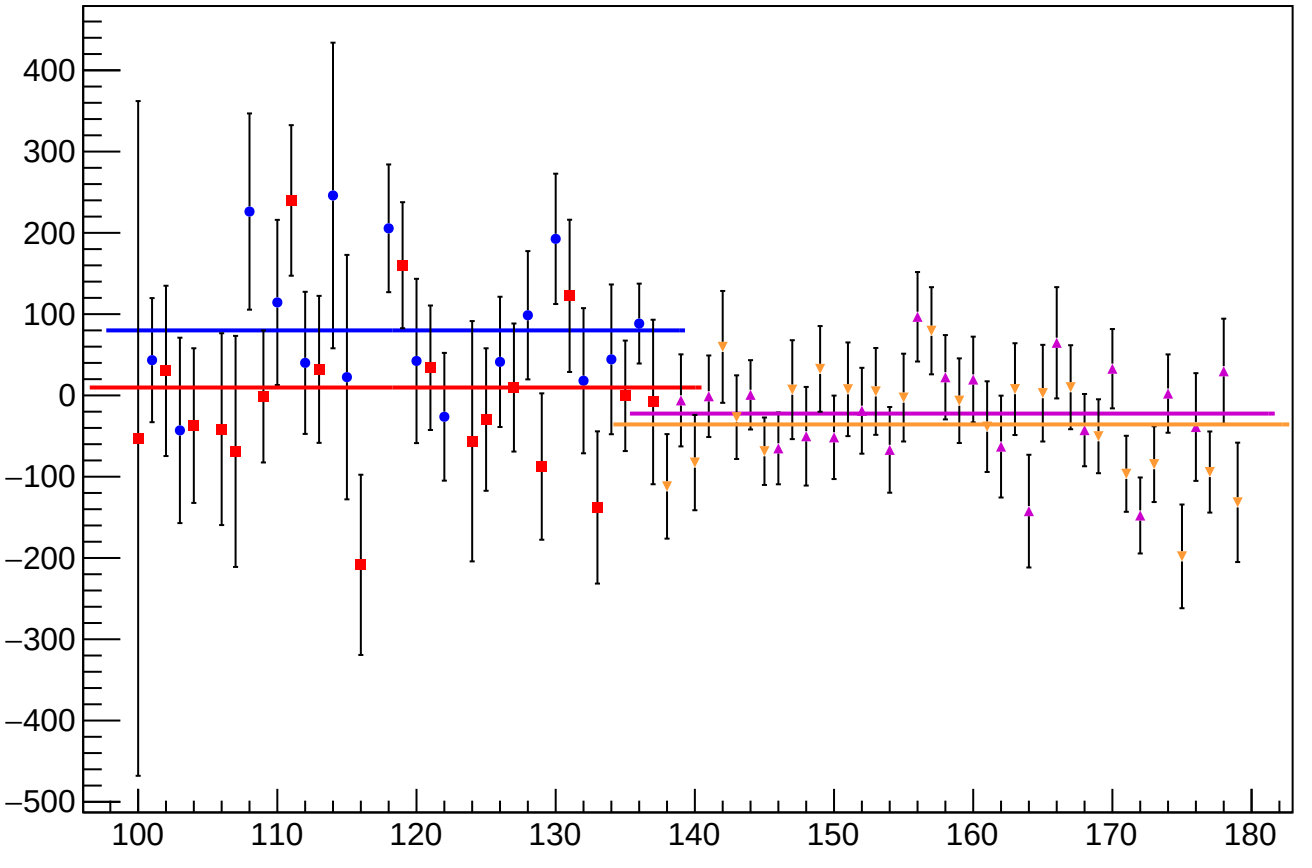
Left: 0.000+/-0.000 χ^2/NDF: 5577624.6/41

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8599751.8/35

Out: 0.000+/-0.000 χ^2/NDF:9811041.7/40

All: 0.000+/-0.000 χ^2/NDF: 18411425.8/76



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.674+/-11.494 χ^2/NDF:27.5/21

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -22.346+/-11.820 χ^2/NDF:23.5/19

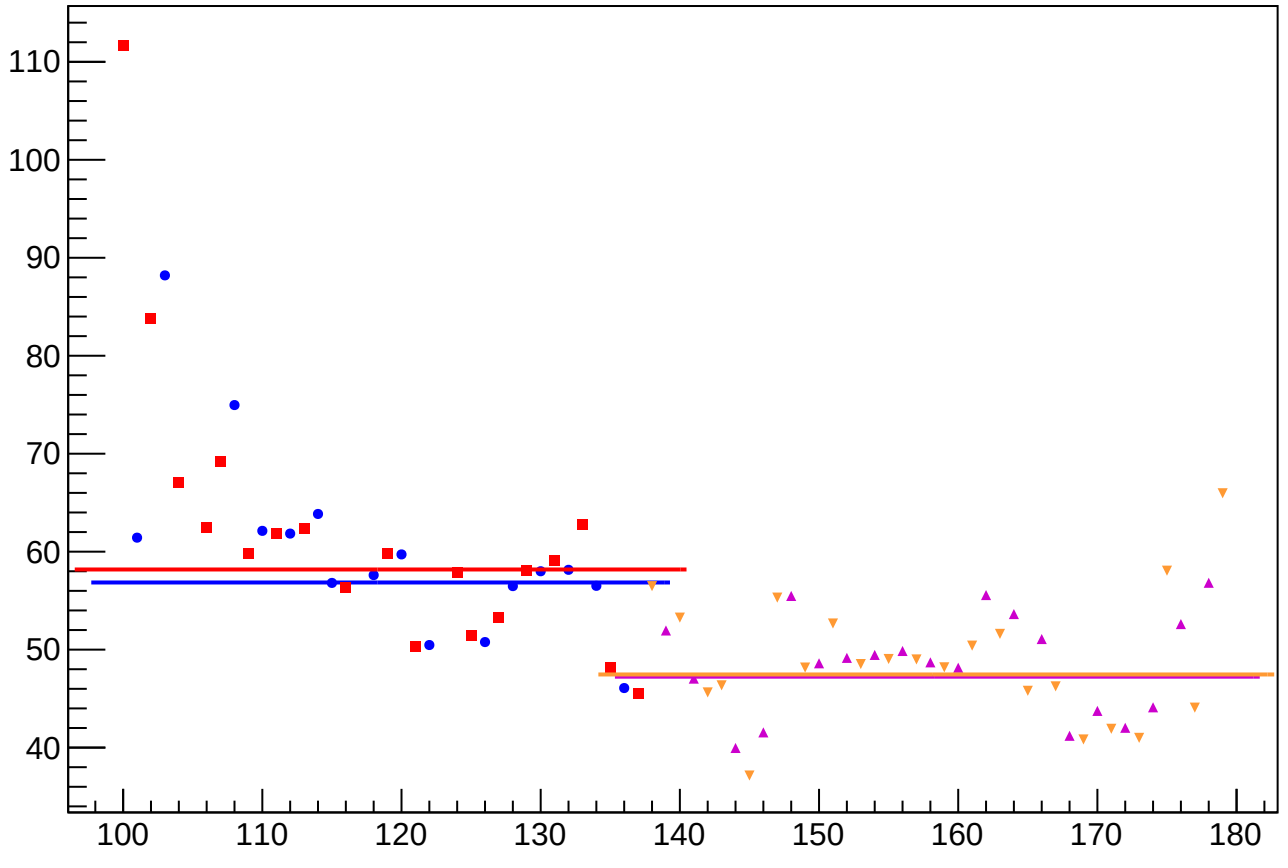
Left: -29.196+/-8.240 χ^2/NDF: 51.6/41

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 1.449+/-10.355 χ^2/NDF:52.5/35

Out: -25.667+/-10.148 χ^2/NDF:51.3/40

All: -12.382+/-7.248 χ^2/NDF: 107.3/76



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

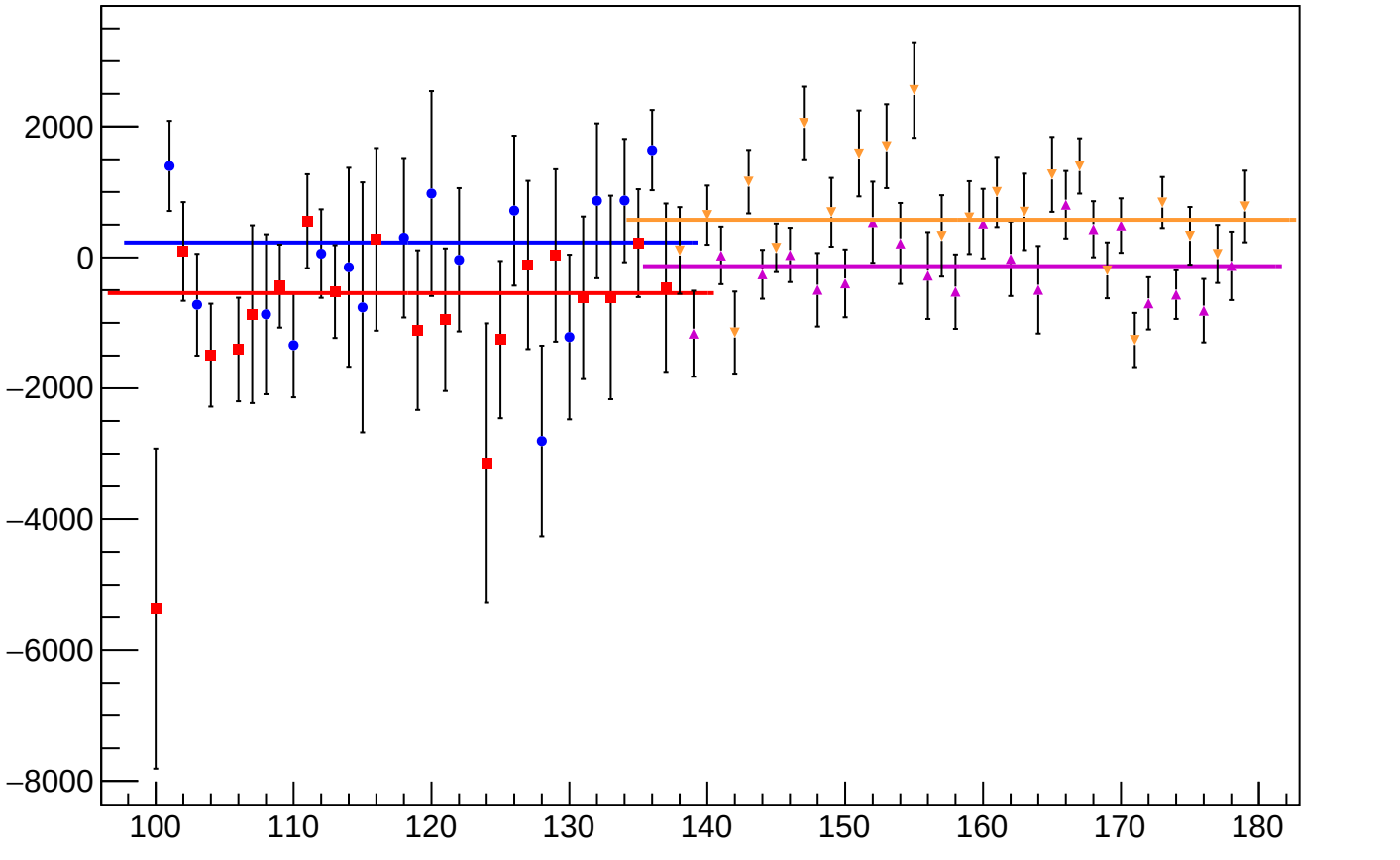
Left: 47.355+/-0.006 χ^2/NDF: 911687.5/41

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.475+/-0.007 χ^2/NDF:1001889.4/35

Out: 49.827+/-0.007 χ^2/NDF:1256583.8/40

All: 49.654+/-0.005 χ^2/NDF: 2259649.2/76



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 572.807+/-107.135 χ^2/NDF:62.2/21

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -132.696+/-109.583 χ^2/NDF:20.0/19

Left: 228.023+/-76.607 χ^2/NDF: 103.4/41

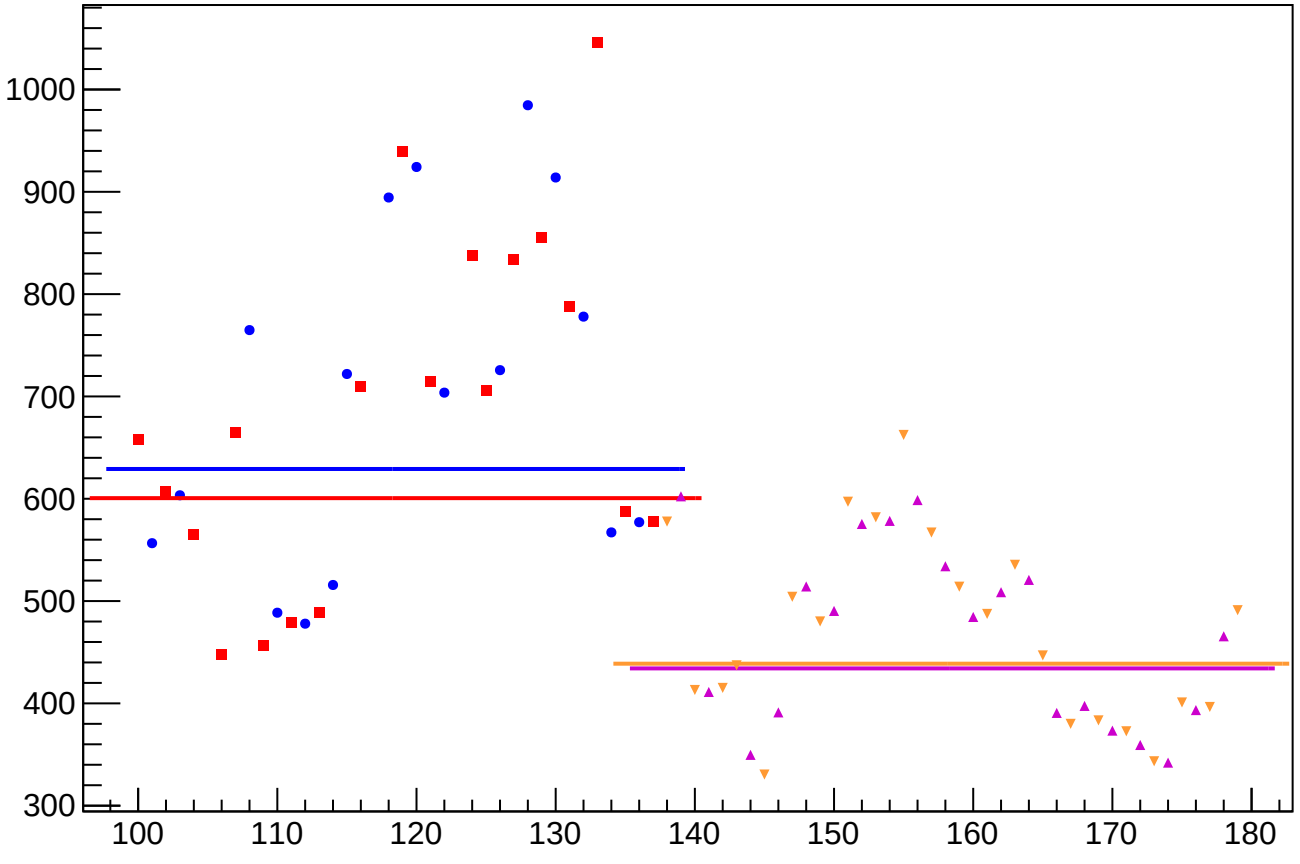
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -71.078+/-99.771 χ^2/NDF:43.5/35

Out: 369.574+/-96.905 χ^2/NDF:95.4/40

All: 155.666+/-69.513 χ^2/NDF: 148.9/76

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.7/21

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 434.178+/-0.077 χ^2/NDF:1093639.8/19

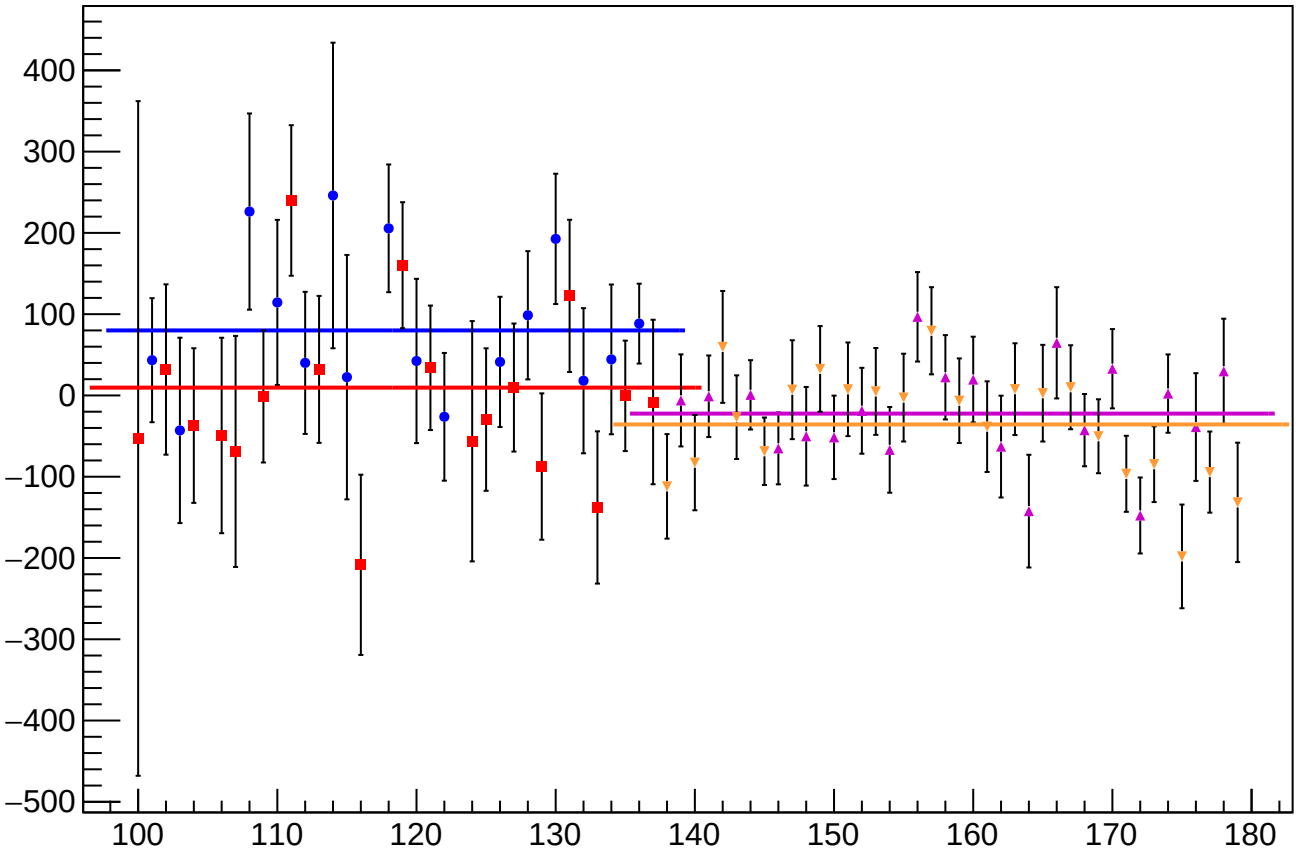
Left: 436.536+/-0.054 χ^2/NDF: 2295451.7/41

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 467.521+/-0.071 χ^2/NDF:2868819.0/35

Out: 468.214+/-0.069 χ^2/NDF:2904195.4/40

All: 467.878+/-0.049 χ^2/NDF: 5773064.0/76



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -22.347+/-11.820 χ^2/NDF:23.5/19

Left: -29.198+/-8.240 χ^2/NDF: 51.6/41

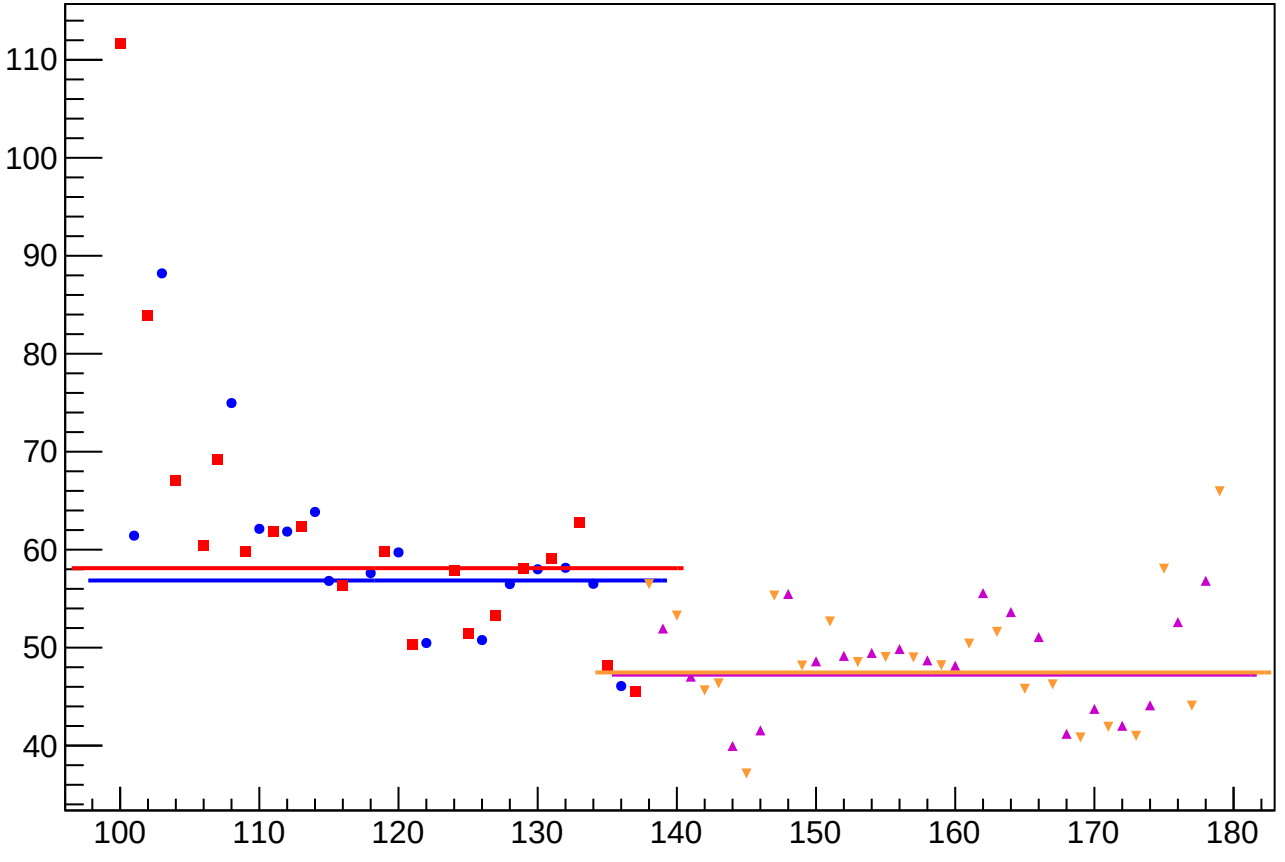
Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.449+/-10.355 χ^2/NDF:52.5/35

Out: -25.704+/-10.150 χ^2/NDF:51.3/40

All: -12.399+/-7.248 χ^2/NDF: 107.3/76

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

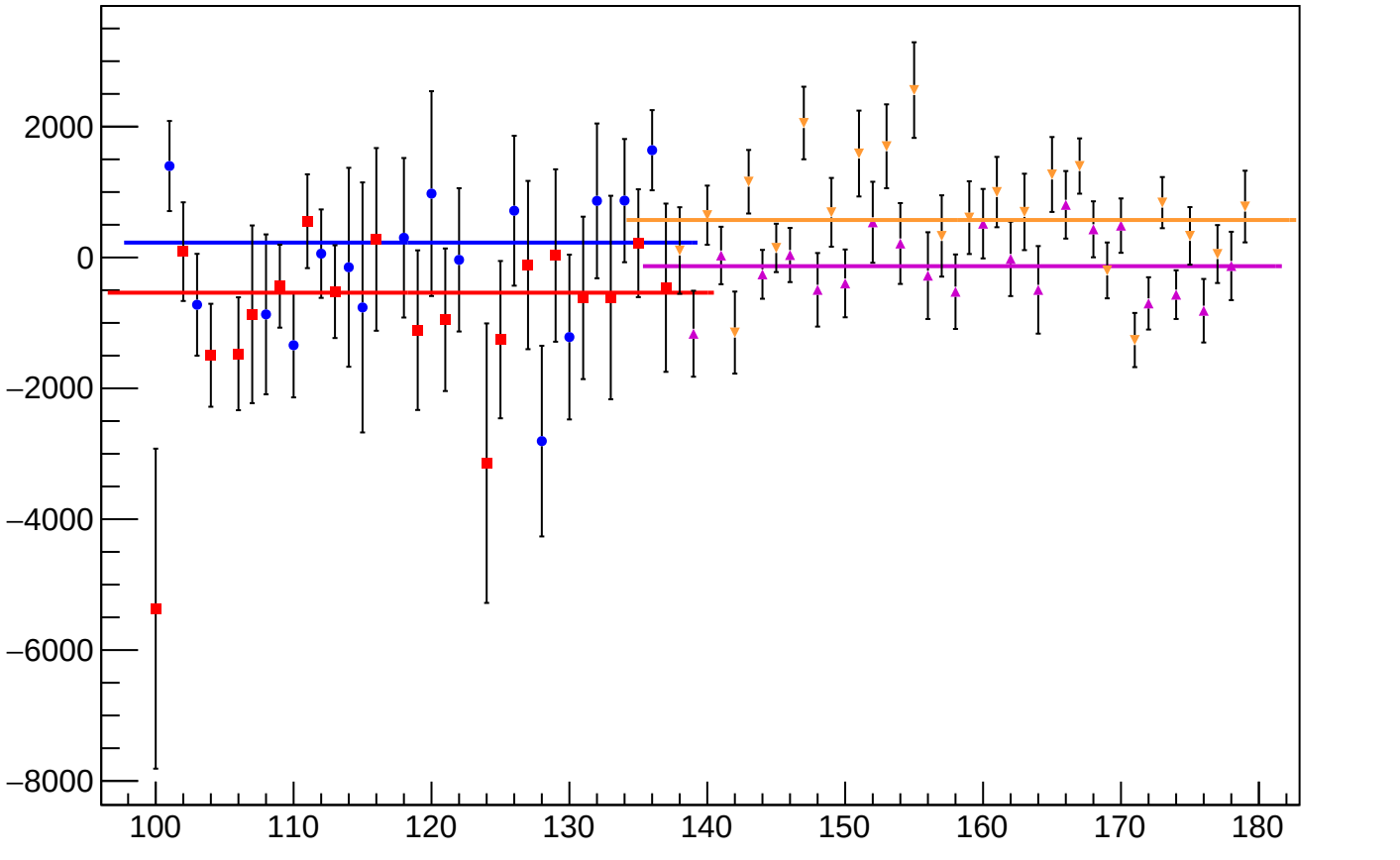
Left: 47.355+/-0.006 χ^2/NDF: 911687.5/41

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.475+/-0.007 χ^2/NDF:1001893.5/35

Out: 49.809+/-0.007 χ^2/NDF:1249450.2/40

All: 49.645+/-0.005 χ^2/NDF: 2252402.9/76



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 572.804+/-107.135 χ^2/NDF:62.2/21

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -132.698+/-109.583 χ^2/NDF:20.0/19

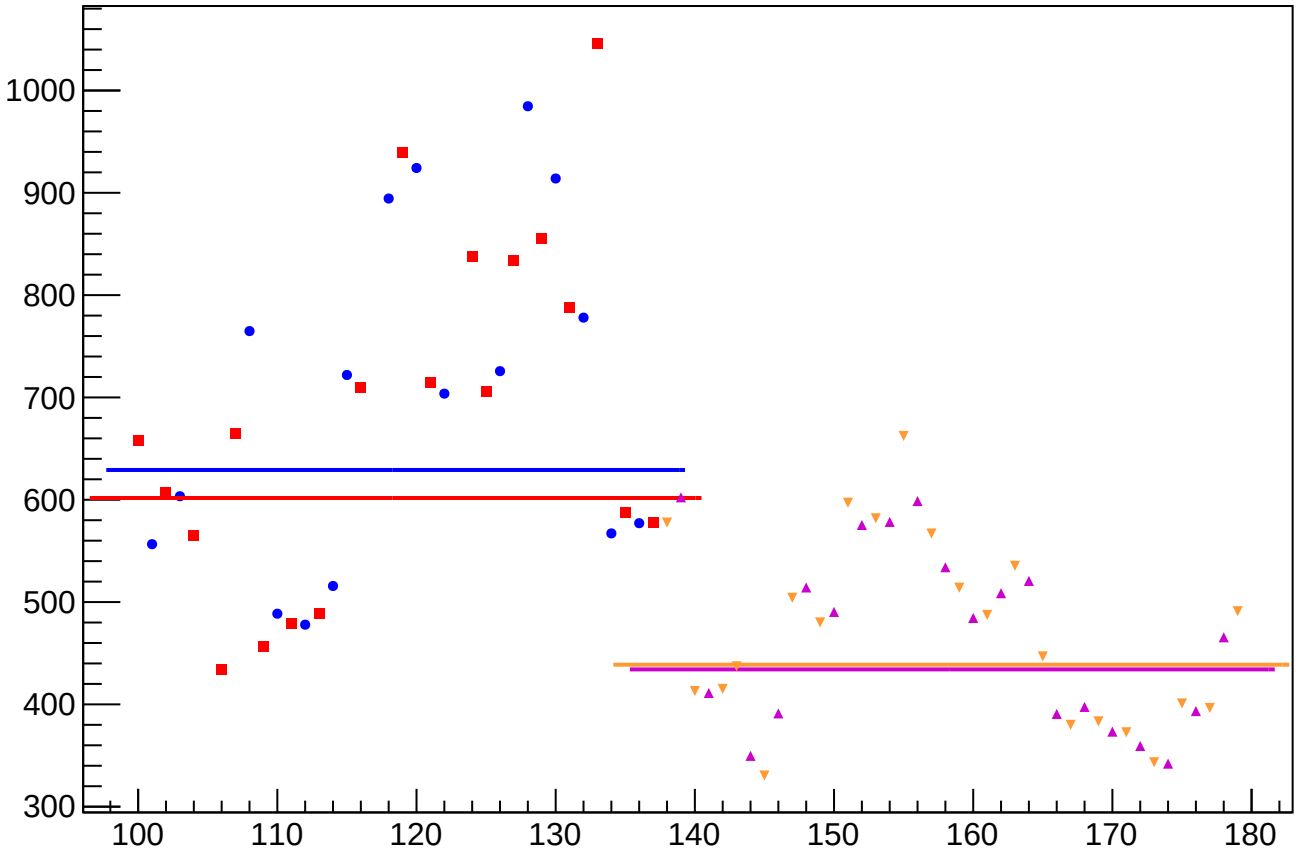
Left: 228.020+/-76.607 χ^2/NDF: 103.4/41

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -71.074+/-99.771 χ^2/NDF:43.5/35

Out: 372.964+/-97.022 χ^2/NDF:94.9/40

All: 157.147+/-69.556 χ^2/NDF: 148.6/76



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 434.178+/-0.077 χ^2/NDF:1093639.6/19

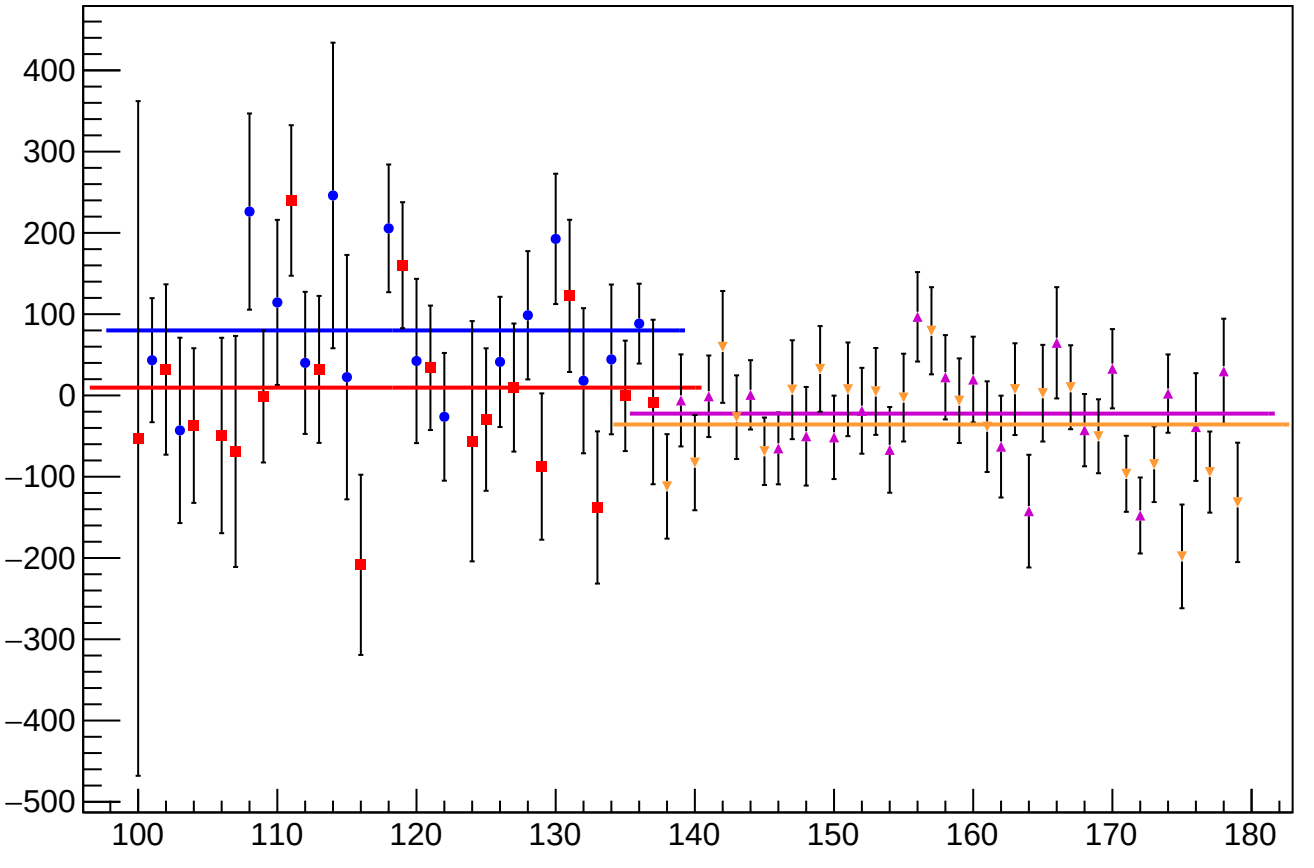
Left: 436.536+/-0.054 χ^2/NDF: 2295451.0/41

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.522+/-0.071 χ^2/NDF:2868848.7/35

Out: 468.099+/-0.069 χ^2/NDF:2906139.1/40

All: 467.818+/-0.049 χ^2/NDF: 5775022.1/76



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -35.677+/-11.494 χ^2/NDF:27.5/21

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -22.347+/-11.820 χ^2/NDF:23.5/19

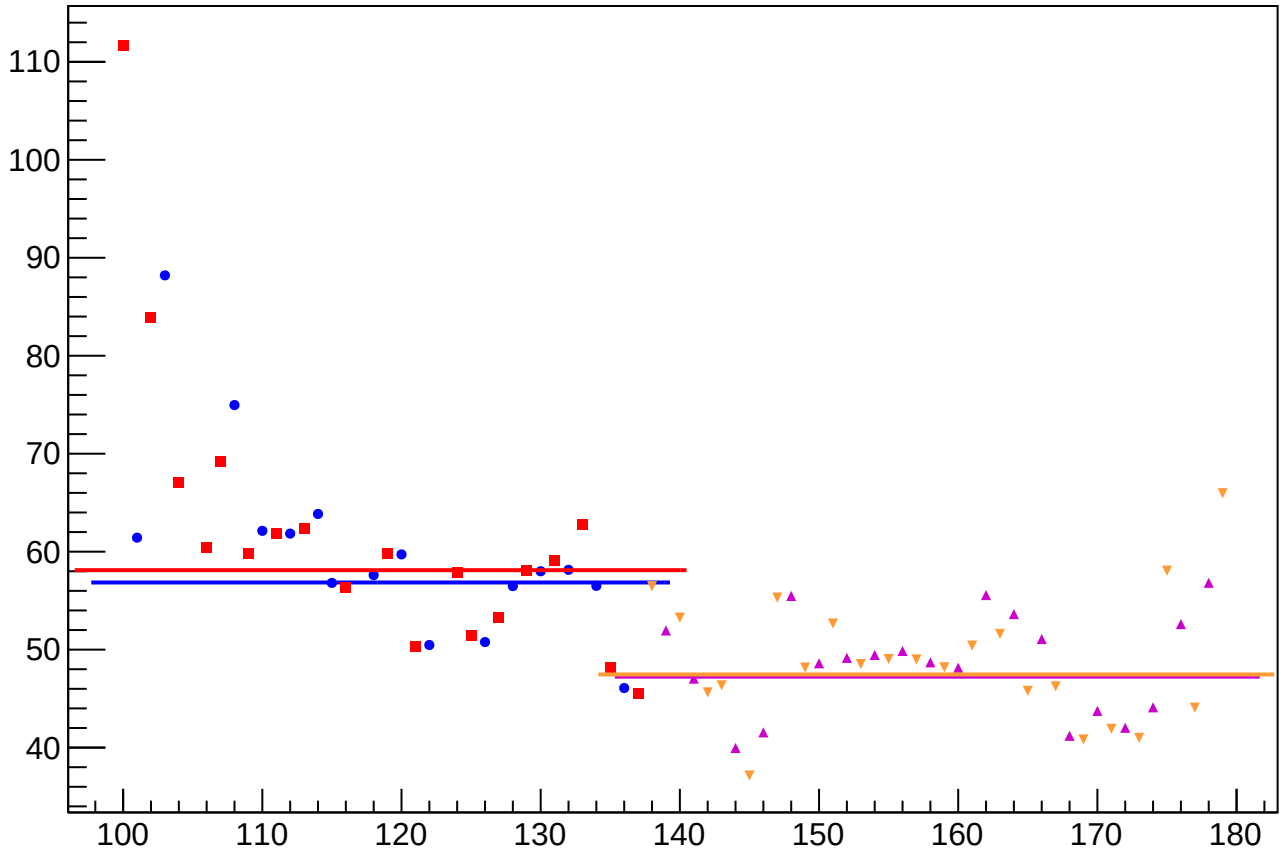
Left: -29.198+/-8.240 χ^2/NDF: 51.6/41

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.449+/-10.355 χ^2/NDF:52.5/35

Out: -25.704+/-10.150 χ^2/NDF:51.3/40

All: -12.399+/-7.248 χ^2/NDF: 107.3/76



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.465+/-0.008 χ^2/NDF:558729.4/21

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.240+/-0.008 χ^2/NDF:352584.5/19

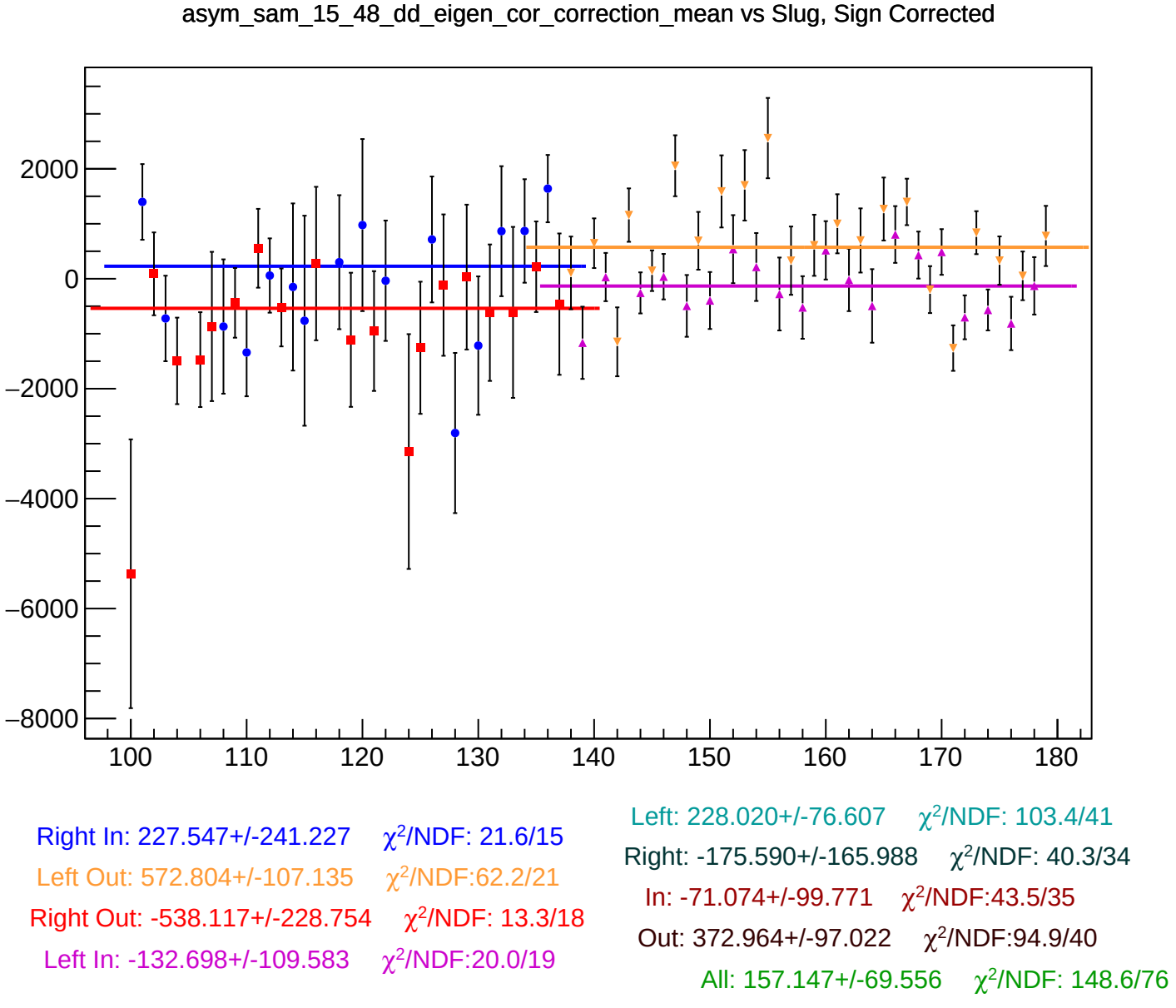
Left: 47.355+/-0.006 χ^2/NDF: 911687.5/41

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

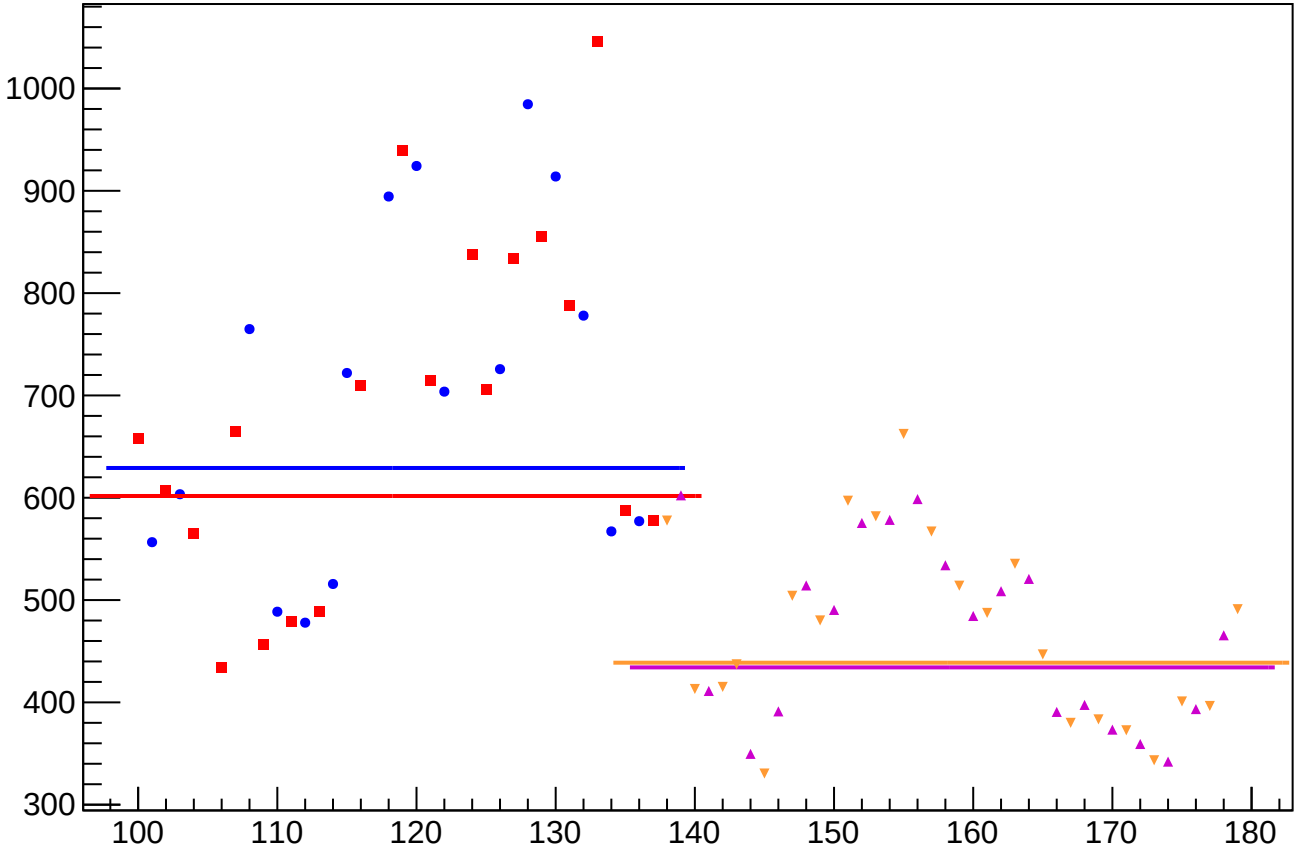
In: 49.475+/-0.007 χ^2/NDF:1001893.5/35

Out: 49.809+/-0.007 χ^2/NDF:1249450.2/40

All: 49.645+/-0.005 χ^2/NDF: 2252402.9/76


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 572.804+/-107.135 χ²/NDF:62.2/21
Right Out: -538.117+/-228.754 χ²/NDF: 13.3/18
Left In: -132.698+/-109.583 χ²/NDF:20.0/19
Left: 228.020+/-76.607 χ²/NDF: 103.4/41
Right: -175.590+/-165.988 χ²/NDF: 40.3/34
In: -71.074+/-99.771 χ²/NDF:43.5/35
Out: 372.964+/-97.022 χ²/NDF:94.9/40
All: 157.147+/-69.556 χ²/NDF: 148.6/76

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 438.790+/-0.076 χ^2/NDF:1200000.4/21

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 434.178+/-0.077 χ^2/NDF:1093639.6/19

Left: 436.536+/-0.054 χ^2/NDF: 2295451.0/41

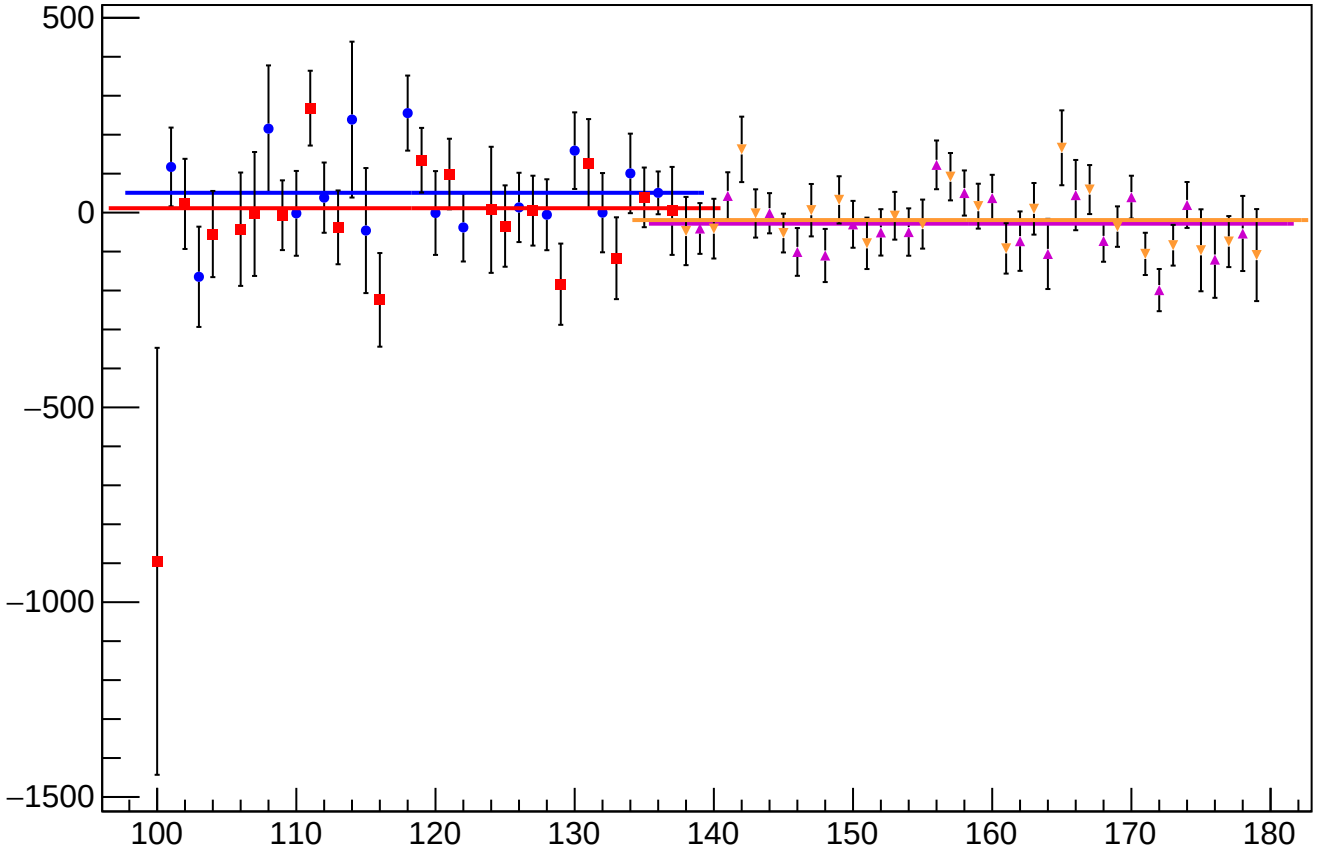
Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.522+/-0.071 χ^2/NDF:2868848.7/35

Out: 468.099+/-0.069 χ^2/NDF:2906139.1/40

All: 467.818+/-0.049 χ^2/NDF: 5775022.1/76

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -19.180+/-13.842 χ^2/NDF:23.6/21

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -28.438+/-14.192 χ^2/NDF:29.2/19

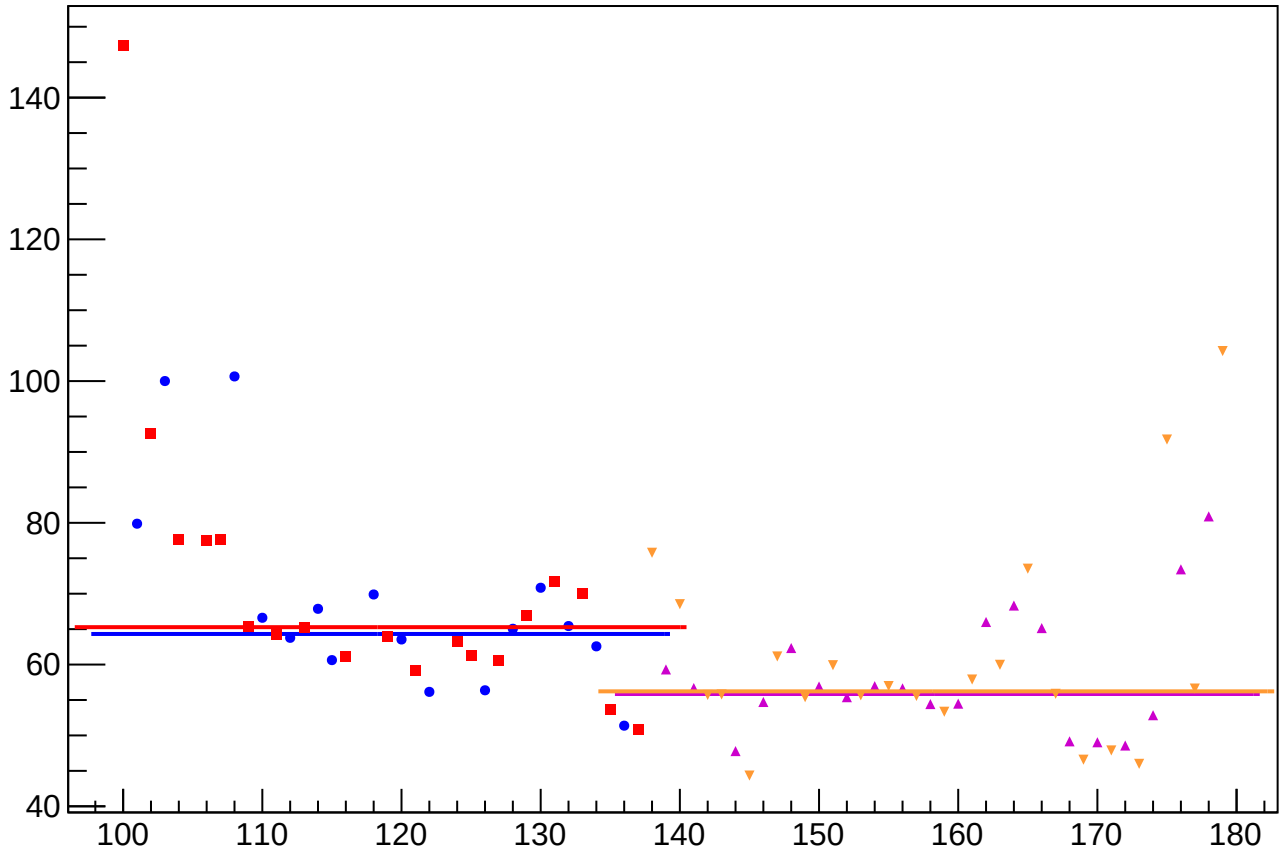
Left: -23.694+/-9.909 χ^2/NDF: 53.0/41

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -8.505+/-12.279 χ^2/NDF:50.8/35

Out: -11.734+/-12.030 χ^2/NDF:48.8/40

All: -10.153+/-8.593 χ^2/NDF: 99.7/76



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112669.5/21

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.848+/-0.010 χ^2/NDF:474926.0/19

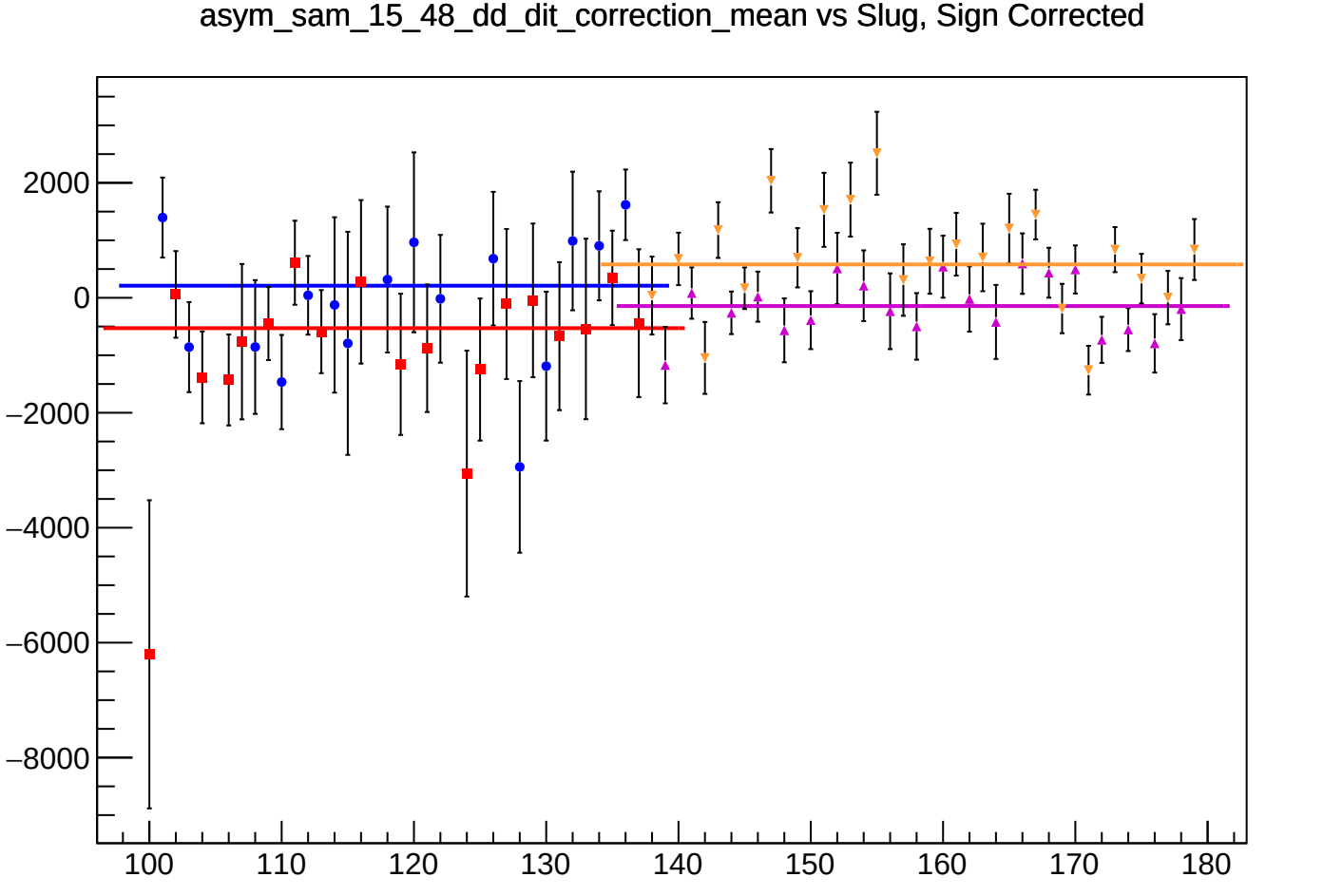
Left: 56.039+/-0.007 χ^2/NDF: 1588301.3/41

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.977+/-0.009 χ^2/NDF:1118900.2/35

Out: 58.436+/-0.009 χ^2/NDF:1641262.8/40

All: 58.211+/-0.006 χ^2/NDF: 2761589.3/76



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -143.589+/-110.588 χ^2/NDF:18.4/19

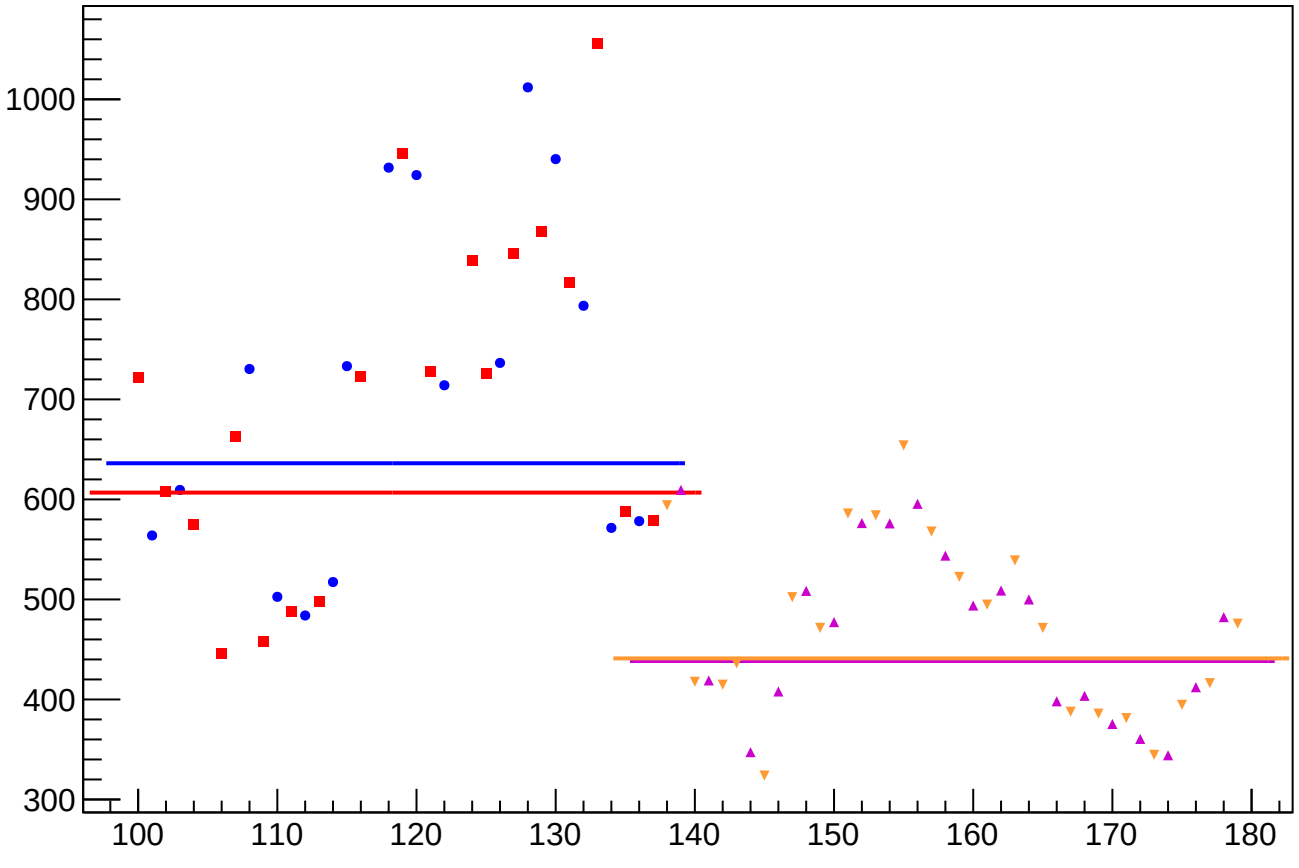
Left: 228.541+/-77.107 χ^2/NDF: 100.6/41

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -83.247+/-100.711 χ^2/NDF:42.6/35

Out: 381.073+/-97.413 χ^2/NDF:93.0/40

All: 156.641+/-70.018 χ^2/NDF: 146.6/76



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 441.044+/-0.076 χ^2/NDF:1193751.8/21

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 438.428+/-0.078 χ^2/NDF:1050446.3/19

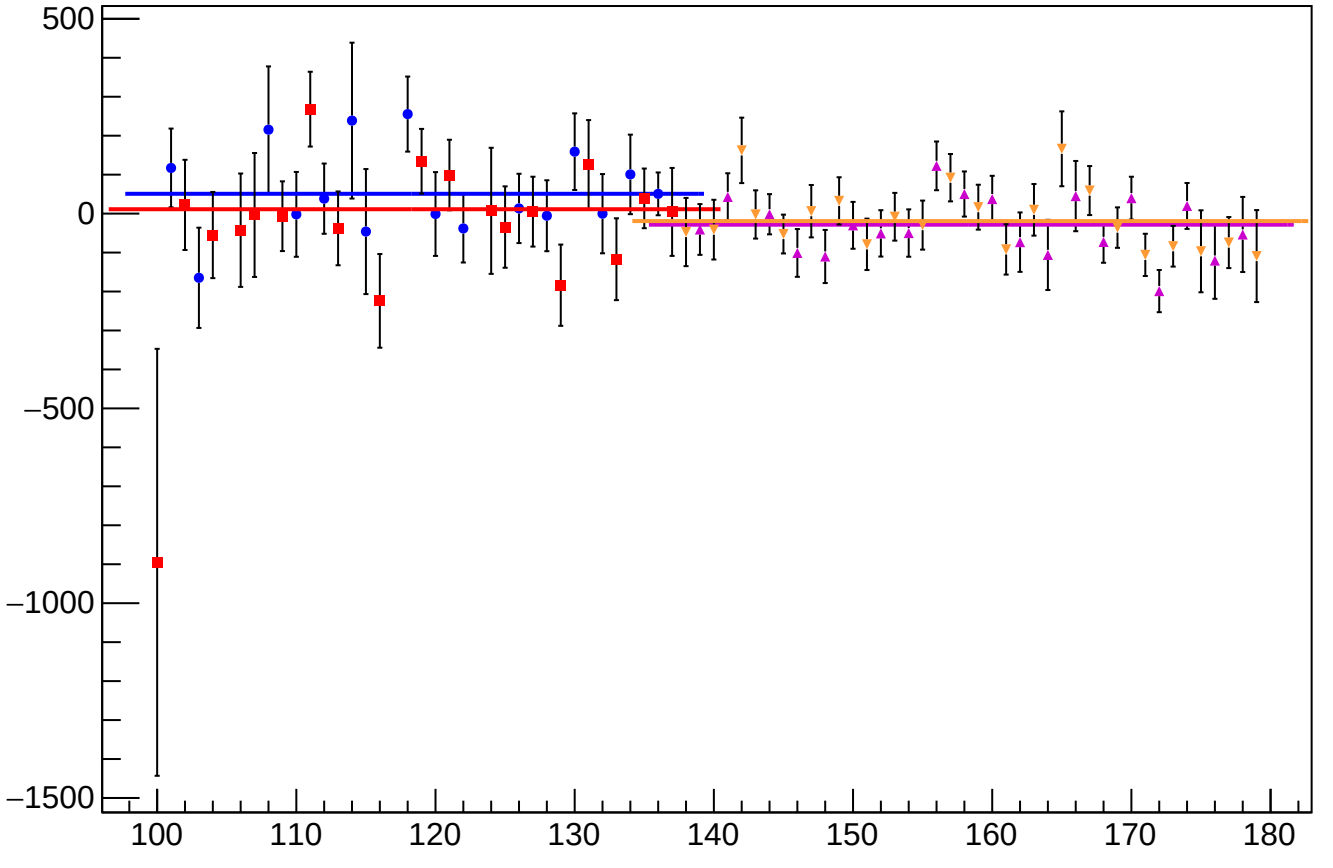
Left: 439.772+/-0.055 χ^2/NDF: 2244773.3/41

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 472.168+/-0.071 χ^2/NDF:2846610.9/35

Out: 470.862+/-0.069 χ^2/NDF:2941941.9/40

All: 471.493+/-0.050 χ^2/NDF: 5788726.5/76



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -19.181+/-13.842 χ^2/NDF:23.6/21

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -28.438+/-14.192 χ^2/NDF:29.2/19

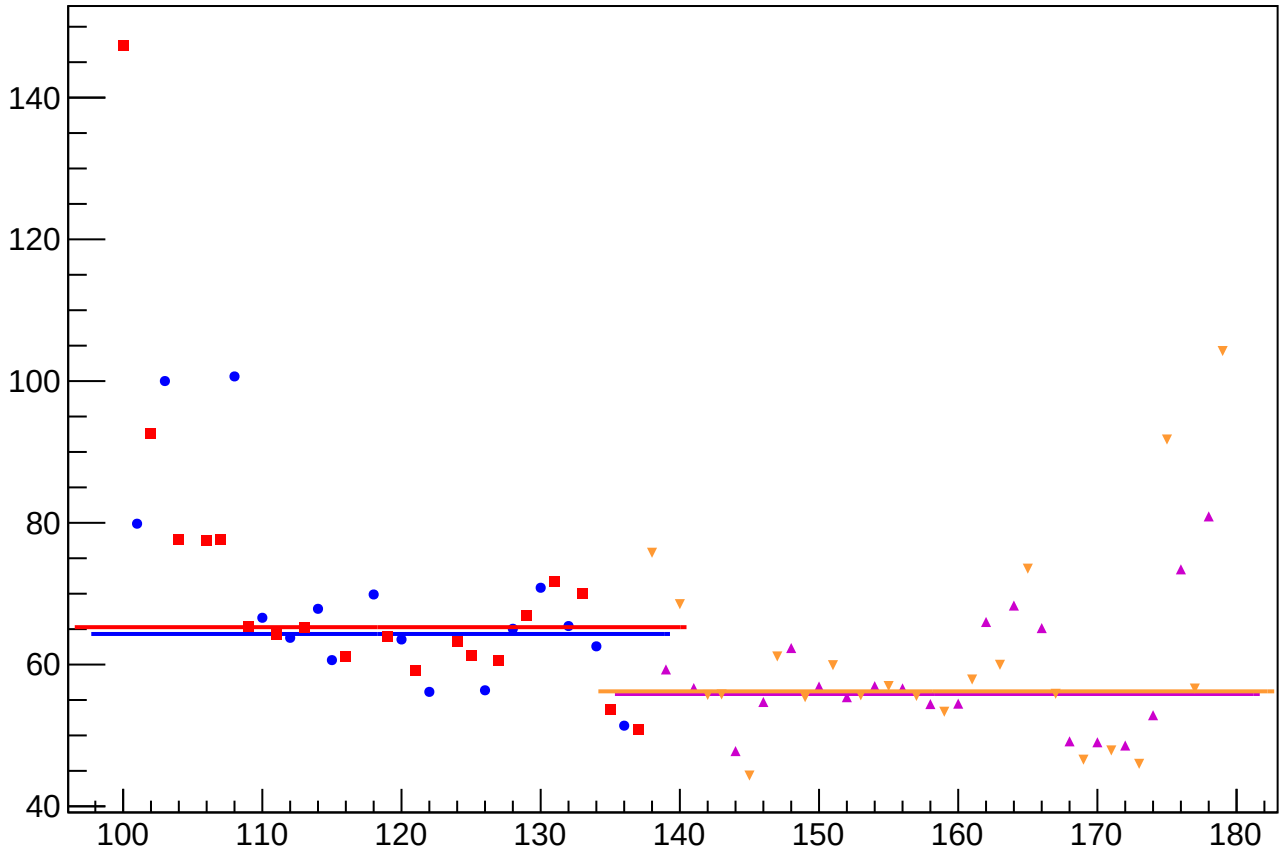
Left: -23.694+/-9.909 χ^2/NDF: 53.0/41

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -8.506+/-12.279 χ^2/NDF:50.8/35

Out: -11.735+/-12.030 χ^2/NDF:48.8/40

All: -10.153+/-8.593 χ^2/NDF: 99.7/76



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.220+/-0.010 χ^2/NDF:1112668.8/21

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.848+/-0.010 χ^2/NDF:474920.5/19

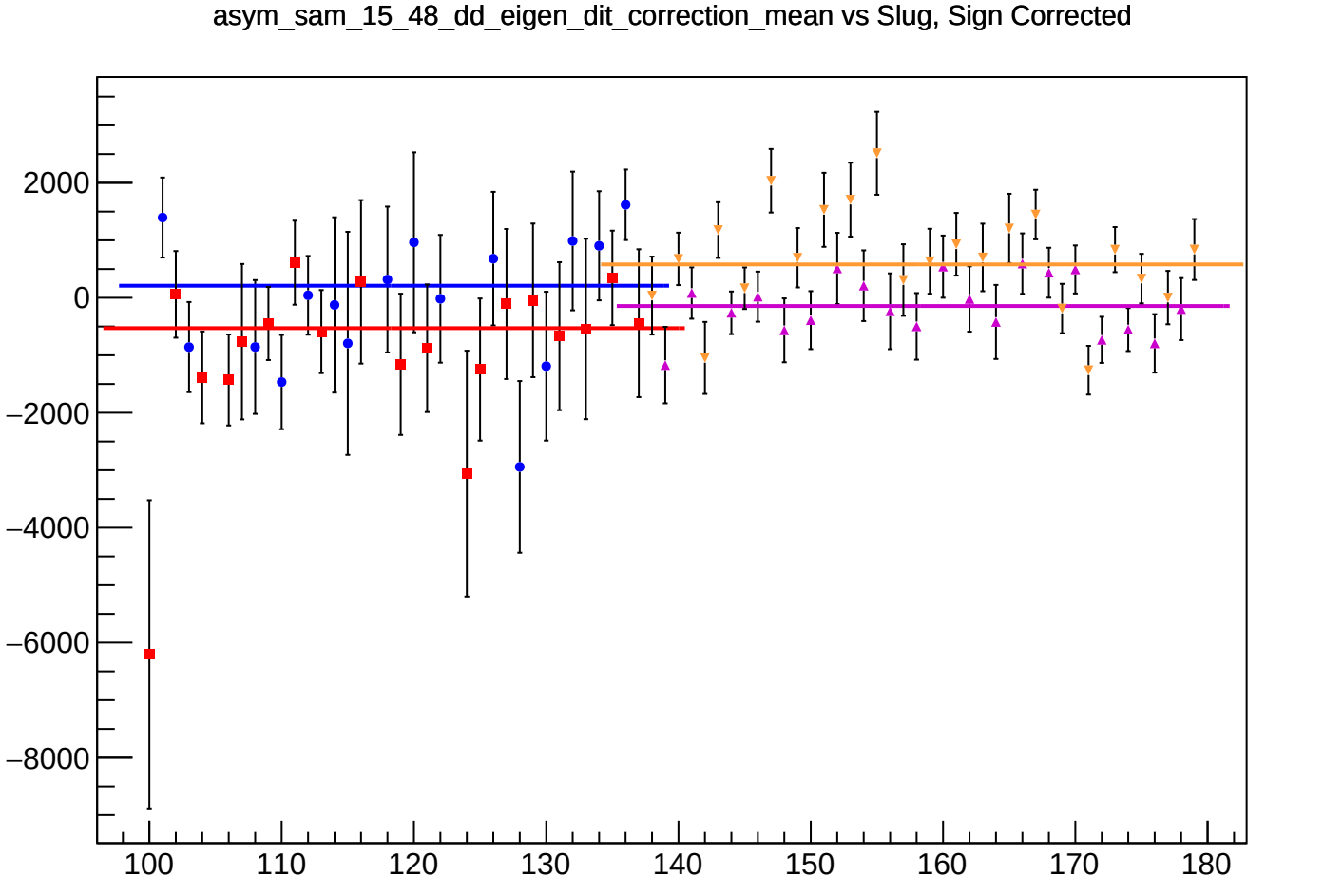
Left: 56.039+/-0.007 χ^2/NDF: 1588295.4/41

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.977+/-0.009 χ^2/NDF:1118887.2/35

Out: 58.436+/-0.009 χ^2/NDF:1641253.9/40

All: 58.211+/-0.006 χ^2/NDF: 2761567.6/76



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 580.616+/-107.567 χ^2/NDF:60.1/21

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -143.588+/-110.588 χ^2/NDF:18.4/19

Left: 228.541+/-77.107 χ^2/NDF: 100.6/41

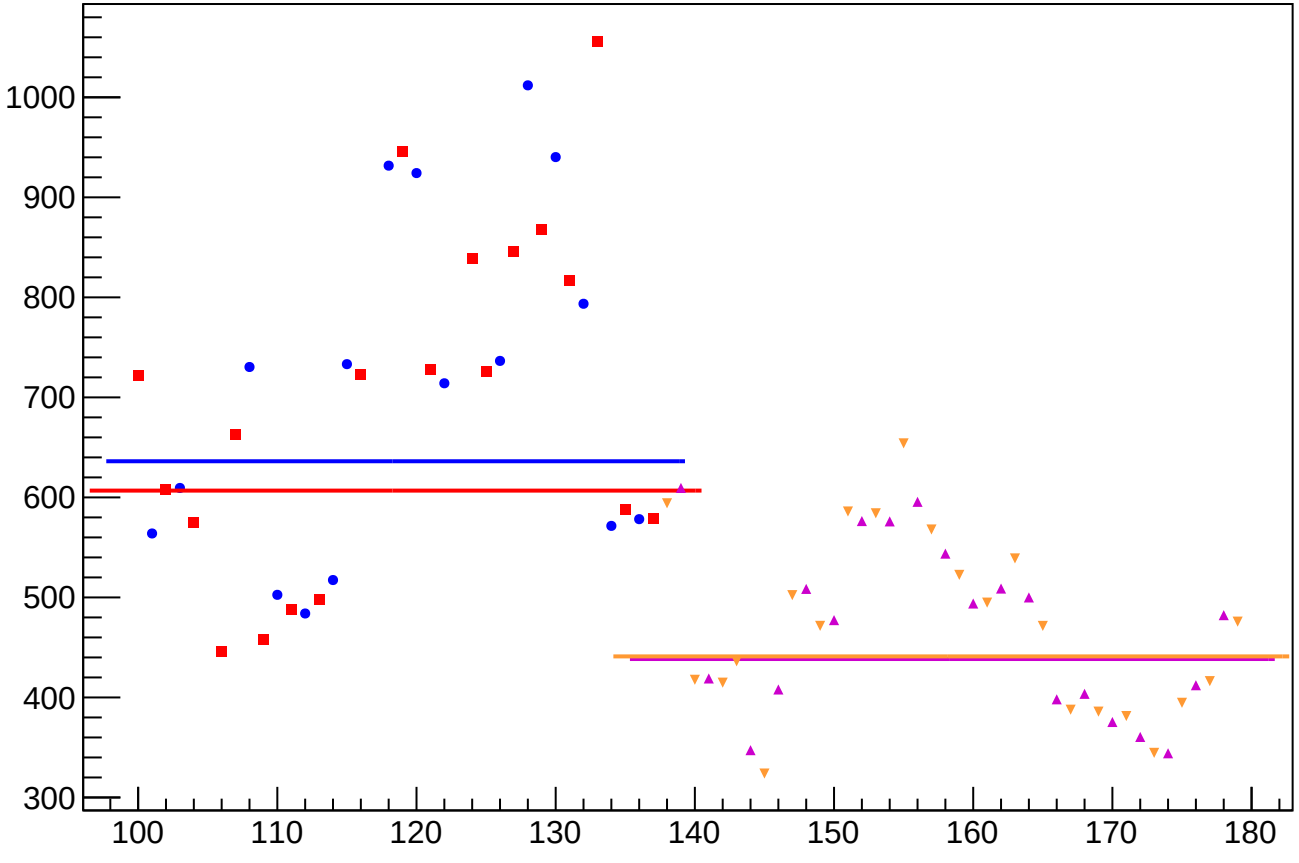
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -83.247+/-100.711 χ^2/NDF:42.6/35

Out: 381.073+/-97.413 χ^2/NDF:93.0/40

All: 156.641+/-70.018 χ^2/NDF: 146.6/76

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 441.043+/-0.076 χ^2/NDF:1193759.8/21

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 438.427+/-0.078 χ^2/NDF:1050453.9/19

Left: 439.771+/-0.055 χ^2/NDF: 2244789.0/41

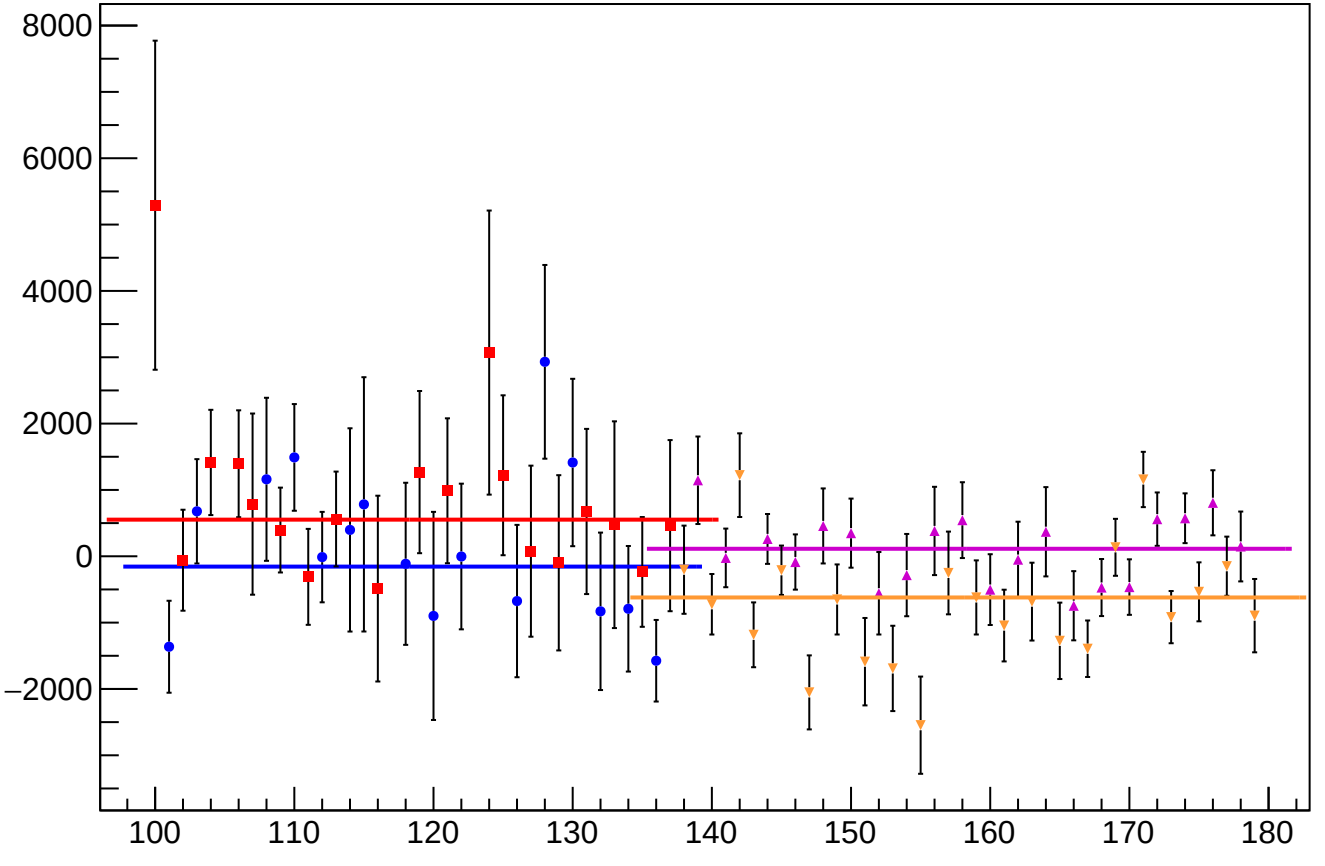
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 472.166+/-0.071 χ^2/NDF:2846629.5/35

Out: 470.861+/-0.069 χ^2/NDF:2941958.2/40

All: 471.492+/-0.050 χ^2/NDF: 5788761.4/76

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -620.864+/-107.825 χ^2/NDF:58.8/21

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 113.028+/-110.295 χ^2/NDF:18.6/19

Left: -262.227+/-77.102 χ^2/NDF: 100.0/41

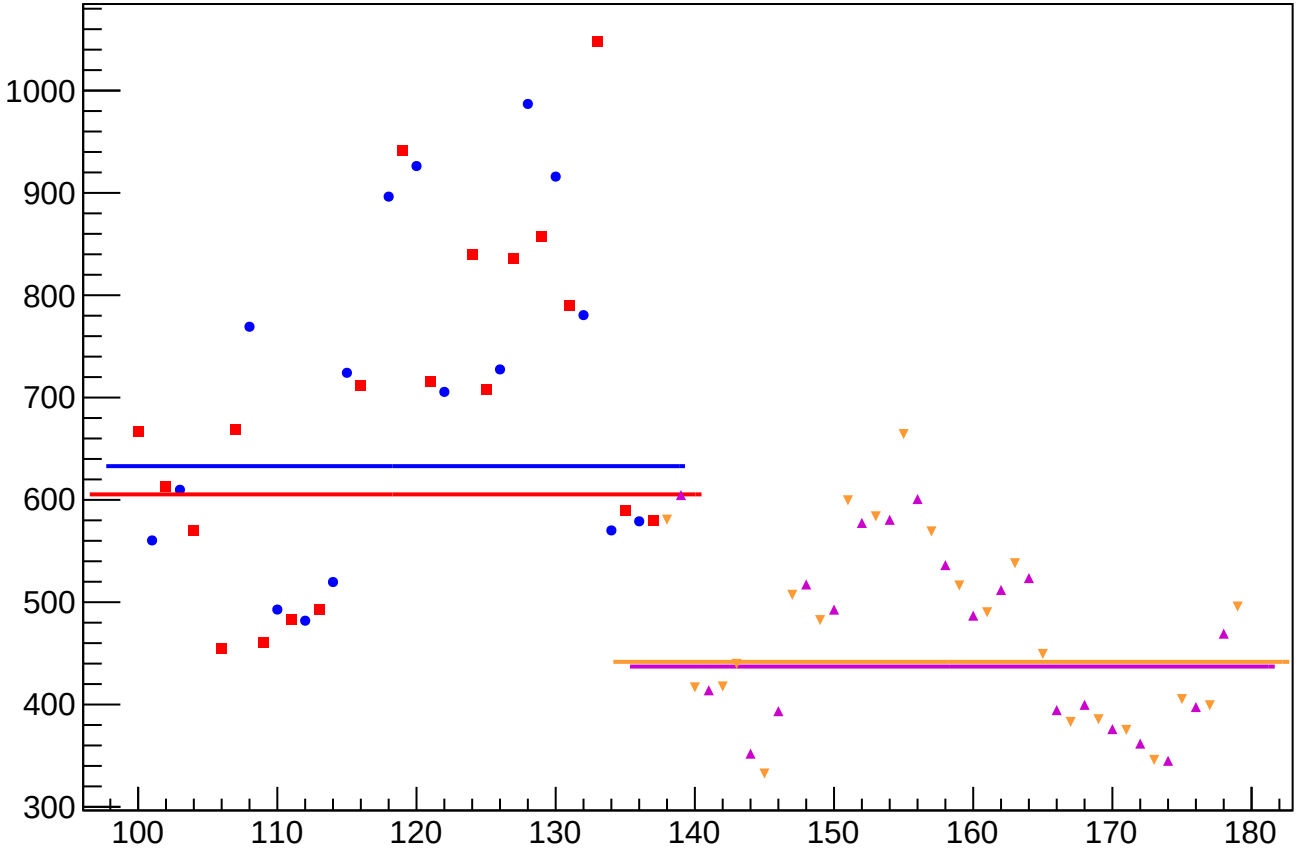
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 67.005+/-100.405 χ^2/NDF:42.1/35

Out: -407.825+/-97.544 χ^2/NDF:92.4/40

All: -177.272+/-69.964 χ^2/NDF: 146.0/76

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 441.716+/-0.076 χ^2/NDF:1186936.6/21

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.104+/-0.078 χ^2/NDF:1079134.3/19

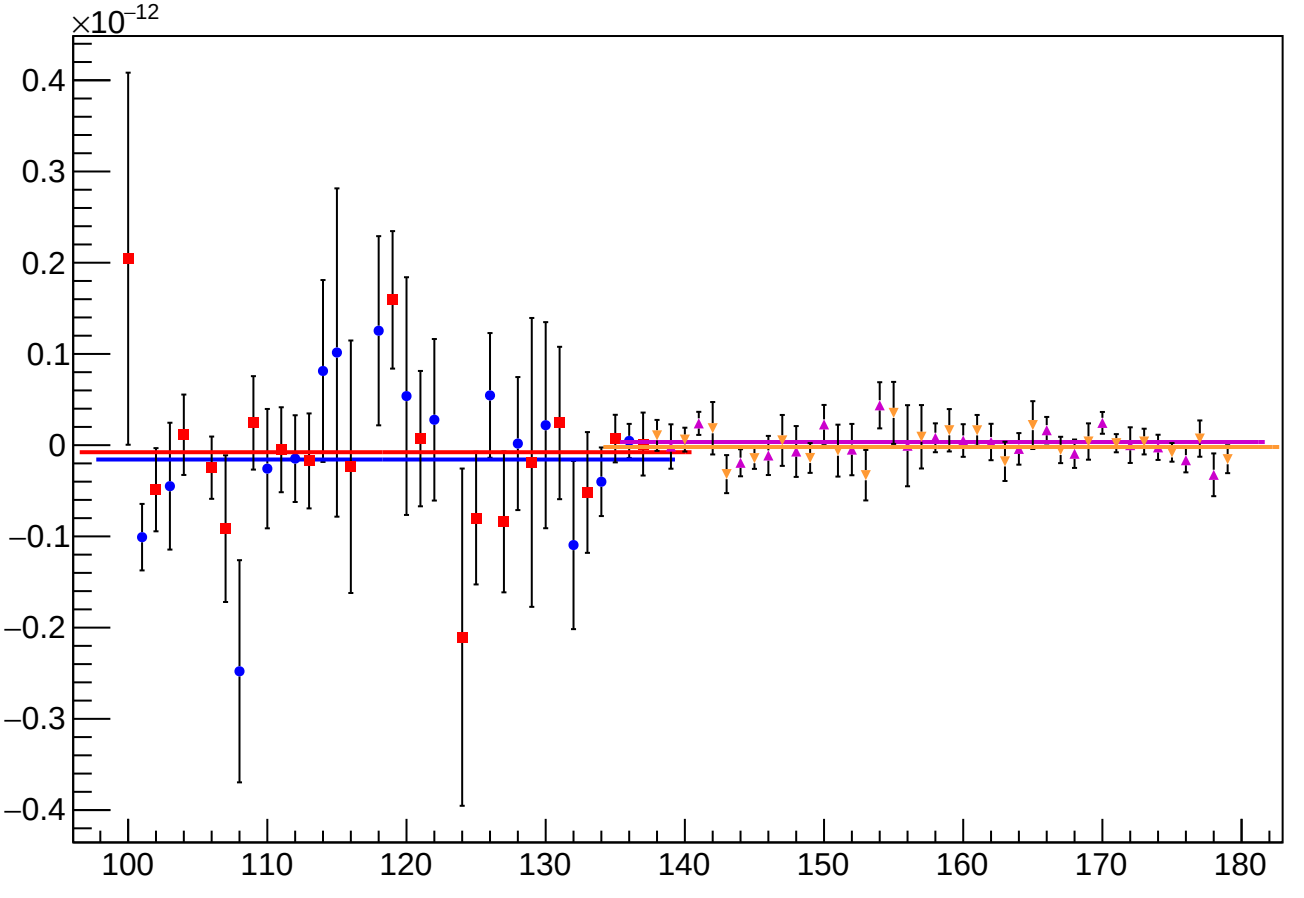
Left: 439.462+/-0.055 χ^2/NDF: 2267858.8/41

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 470.654+/-0.071 χ^2/NDF:2840630.2/35

Out: 471.438+/-0.069 χ^2/NDF:2877704.4/40

All: 471.057+/-0.049 χ^2/NDF: 5718397.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/19

Left: 0.000+/-0.000 χ^2/NDF: 32.5/41

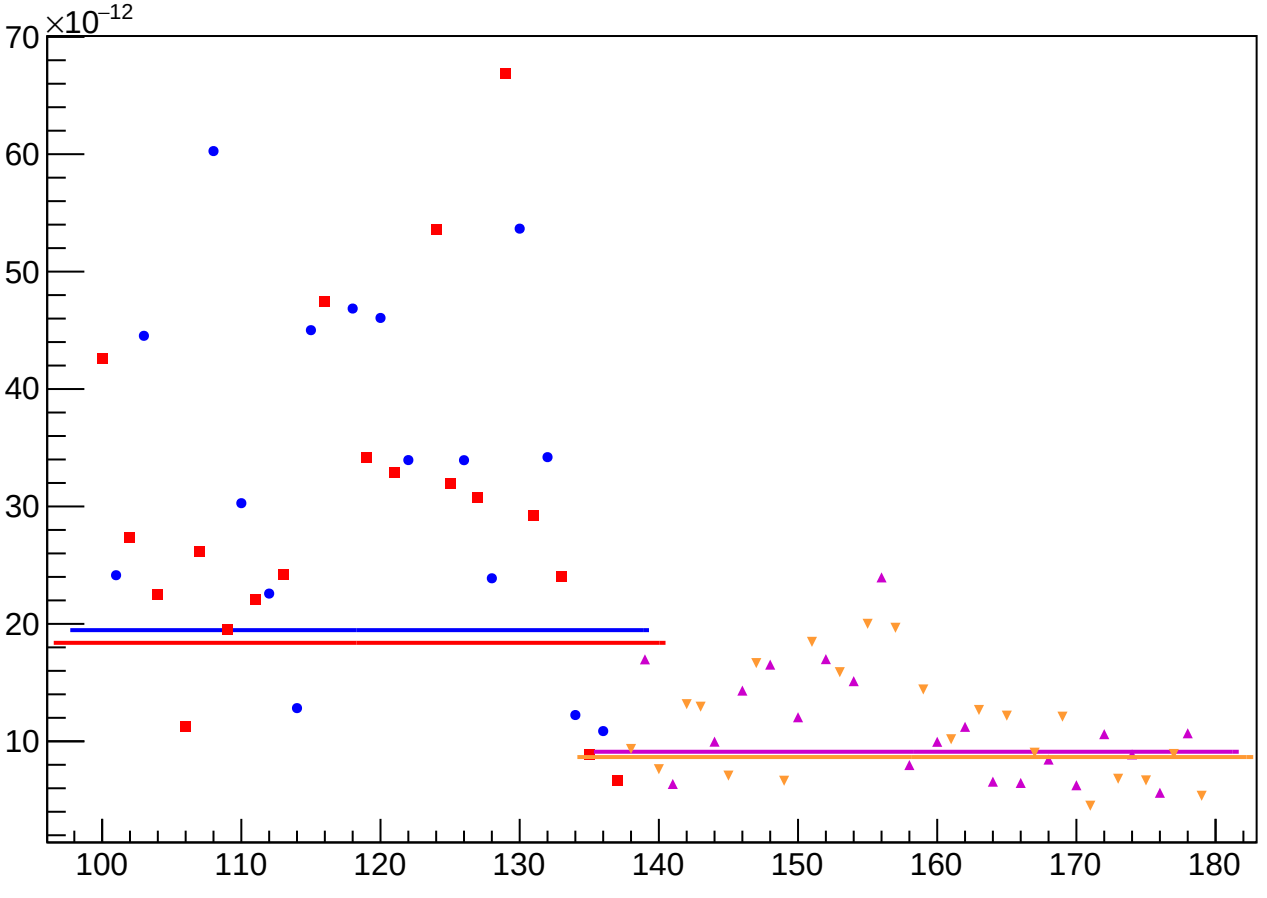
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:37.7/35

Out: -0.000+/-0.000 χ^2/NDF:25.9/40

All: -0.000+/-0.000 χ^2/NDF: 64.3/76

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2033798.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1524220.8/19

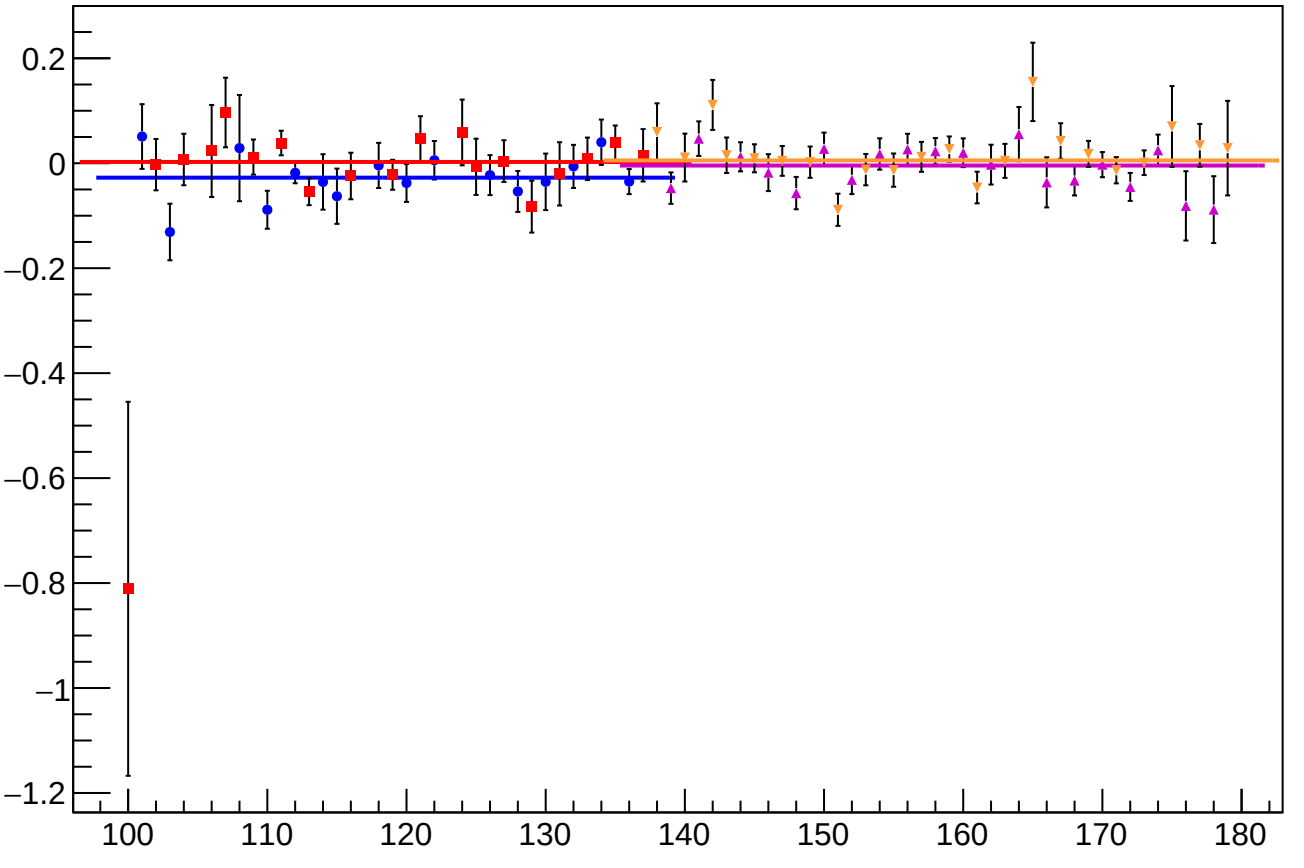
Left: 0.000+/-0.000 χ^2/NDF: 3572515.0/41

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4491076.4/35

Out: 0.000+/-0.000 χ^2/NDF:4655380.2/40

All: 0.000+/-0.000 χ^2/NDF: 9172045.9/76



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:22.7/19

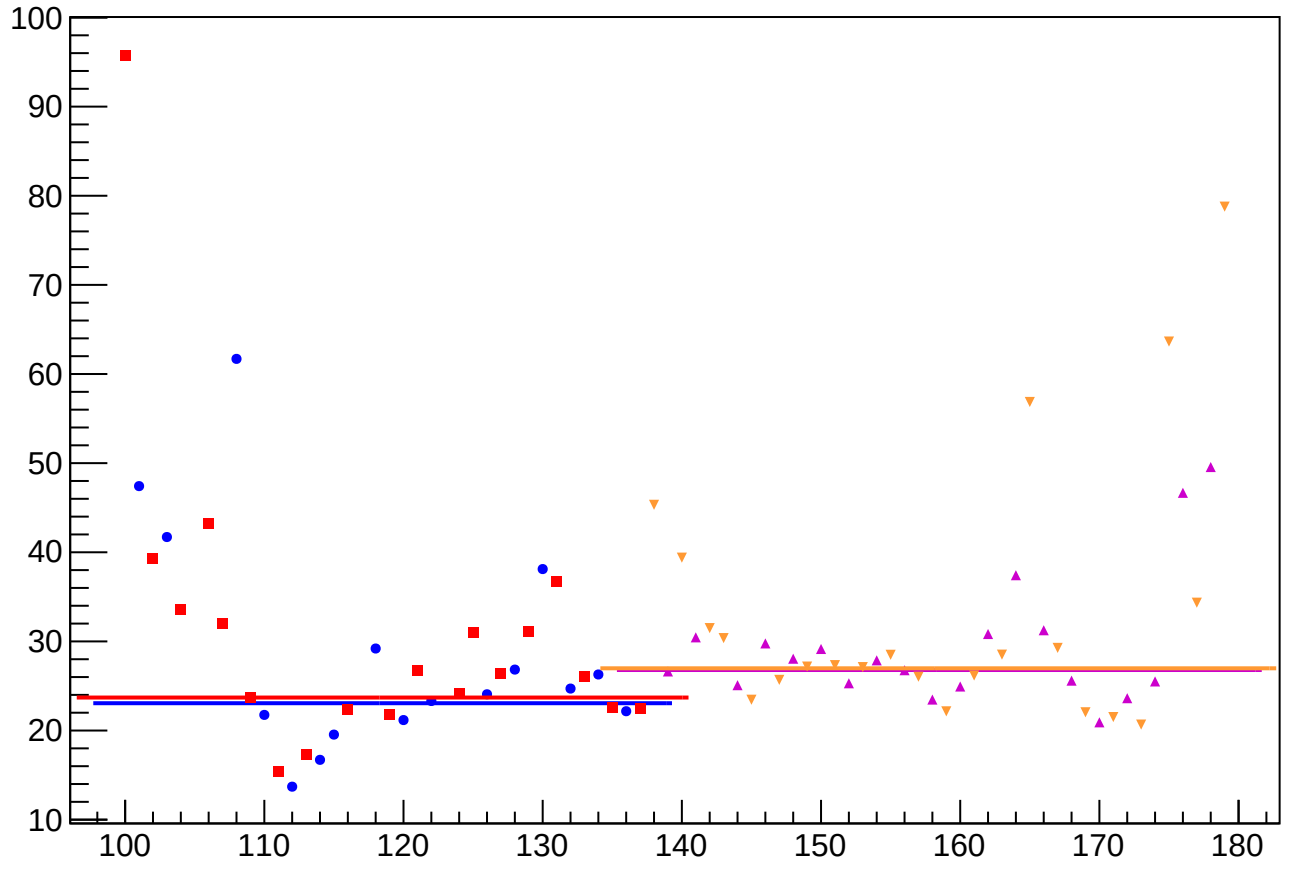
Left: 0.001+/-0.005 χ^2/NDF: 51.0/41

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.5/40

All: -0.004+/-0.004 χ^2/NDF: 94.4/76



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.792+/-0.005 χ^2/NDF:831403.1/19

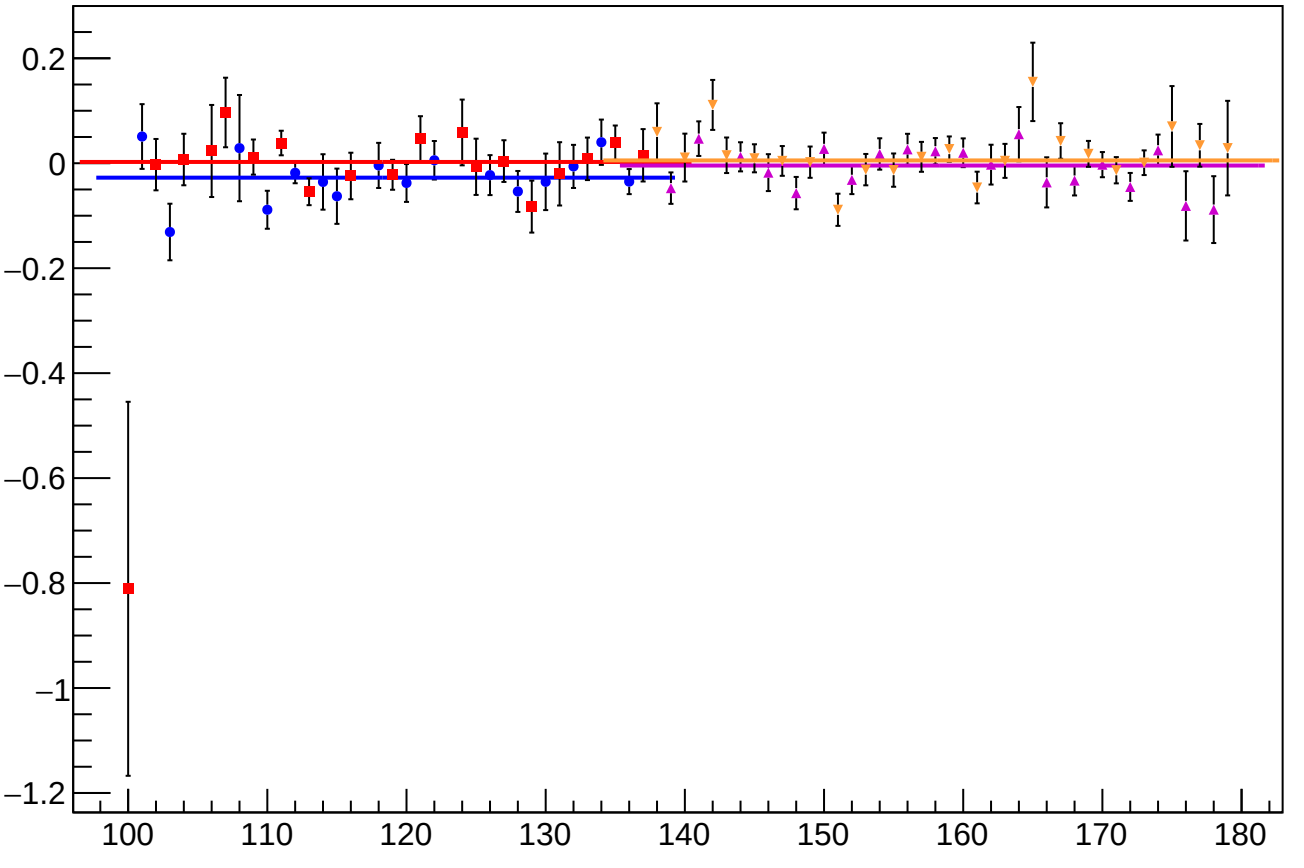
Left: 26.889+/-0.003 χ^2/NDF: 3206258.5/41

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.455+/-0.004 χ^2/NDF:2597647.3/35

Out: 25.820+/-0.004 χ^2/NDF:3623499.0/40

All: 25.640+/-0.003 χ^2/NDF: 6225413.9/76



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:22.7/19

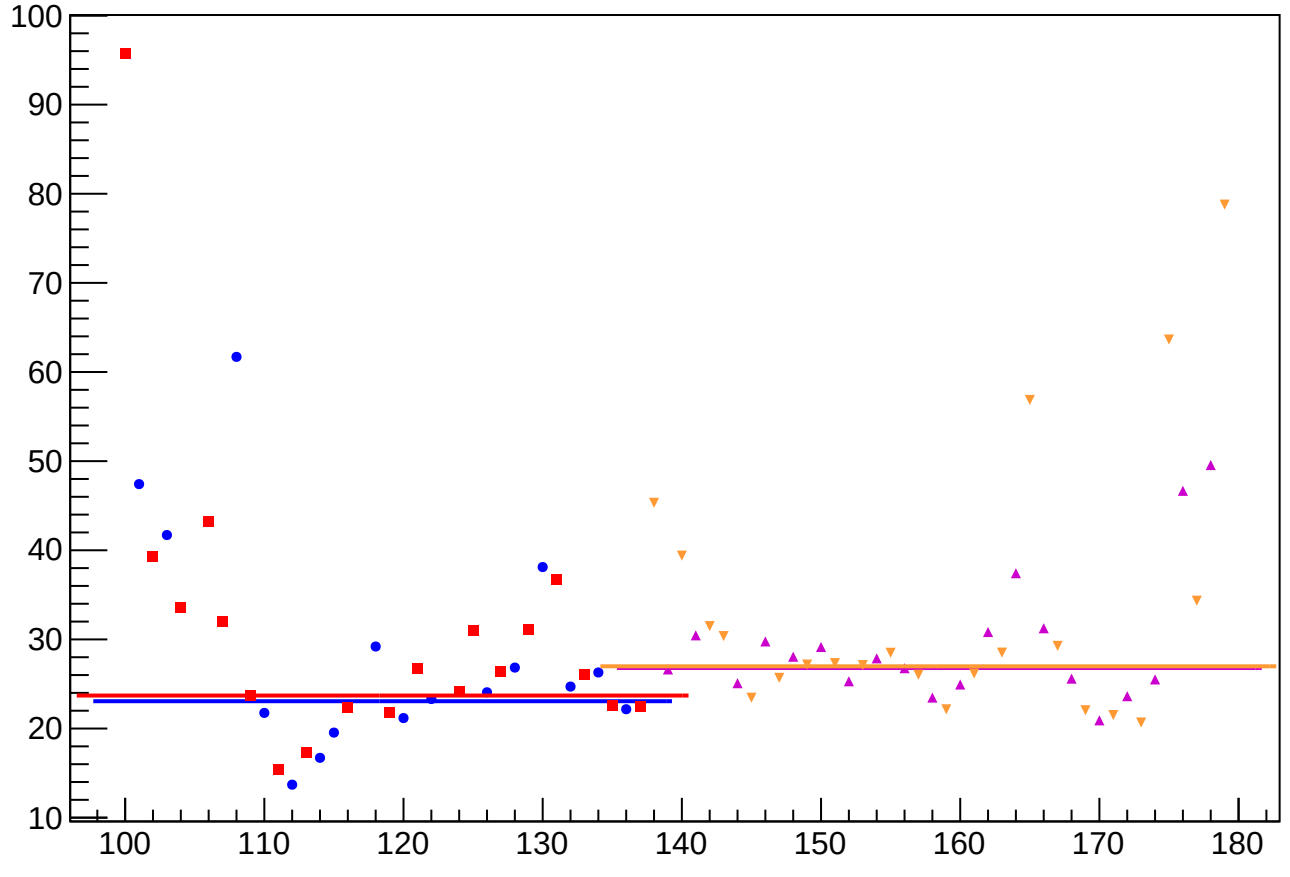
Left: 0.001+/-0.005 χ^2/NDF: 51.0/41

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.5/40

All: -0.004+/-0.004 χ^2/NDF: 94.4/76



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374098.2/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.792+/-0.005 χ^2/NDF:831403.1/19

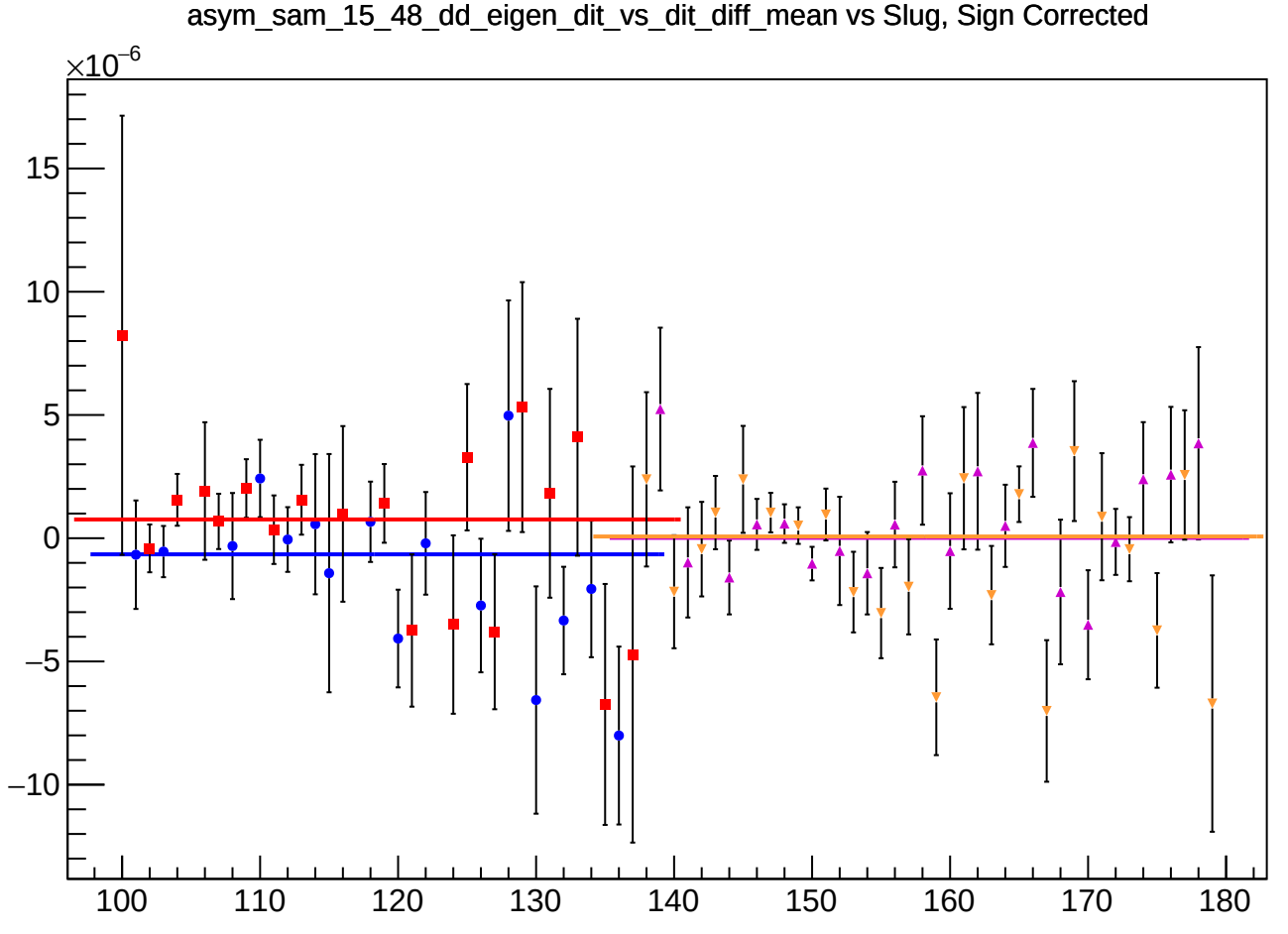
Left: 26.889+/-0.003 χ^2/NDF: 3206258.5/41

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.455+/-0.004 χ^2/NDF:2597647.3/35

Out: 25.820+/-0.004 χ^2/NDF:3623499.0/40

All: 25.640+/-0.003 χ^2/NDF: 6225413.9/76



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/19

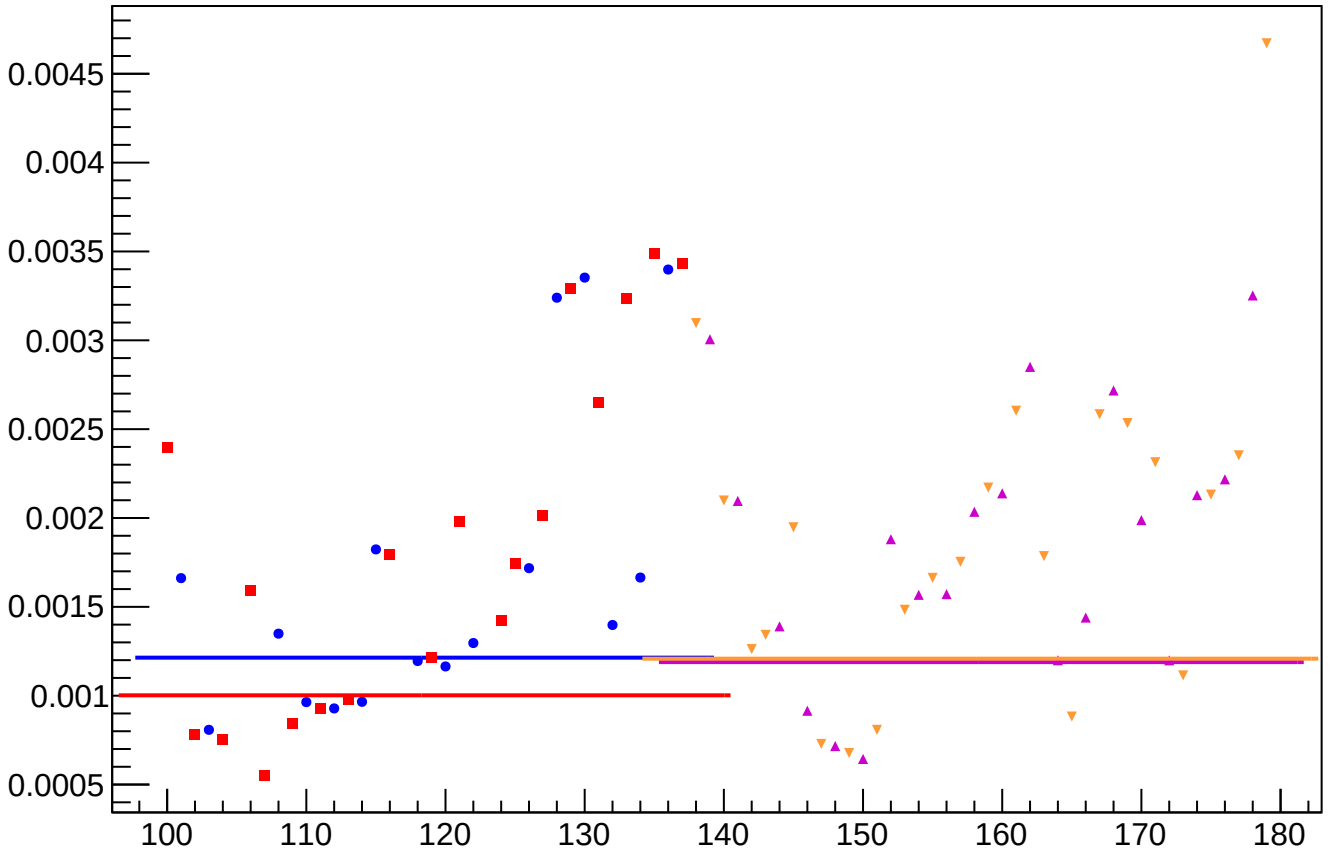
Left: 0.000+/-0.000 χ^2/NDF: 56.1/41

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:38.2/35

Out: 0.000+/-0.000 χ^2/NDF:53.5/40

All: 0.000+/-0.000 χ^2/NDF: 93.7/76



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7486750.6/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:6689756.4/19

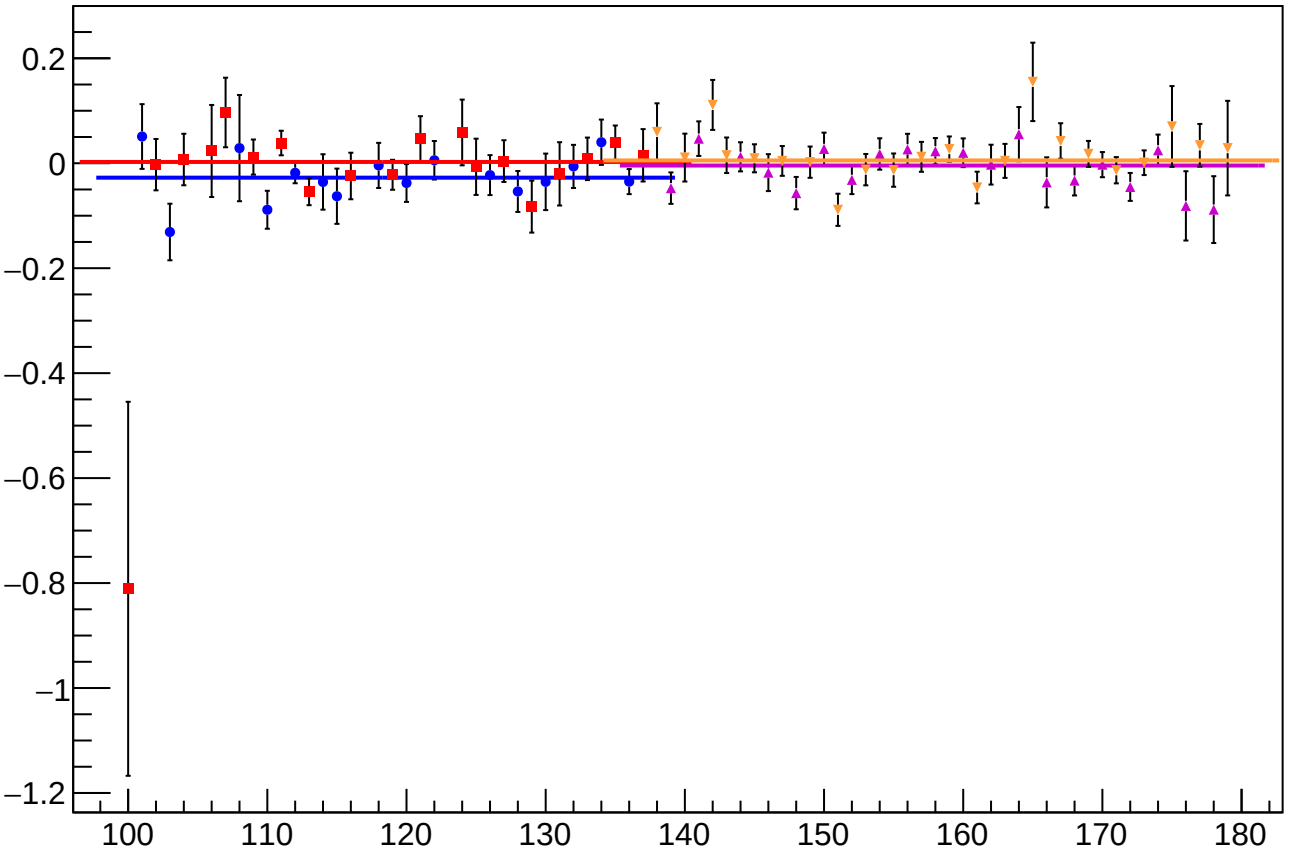
Left: 0.001+/-0.000 χ^2/NDF: 14179820.0/41

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:8960584.1/35

Out: 0.001+/-0.000 χ^2/NDF:11062069.1/40

All: 0.001+/-0.000 χ^2/NDF: 20085584.2/76



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:22.7/19

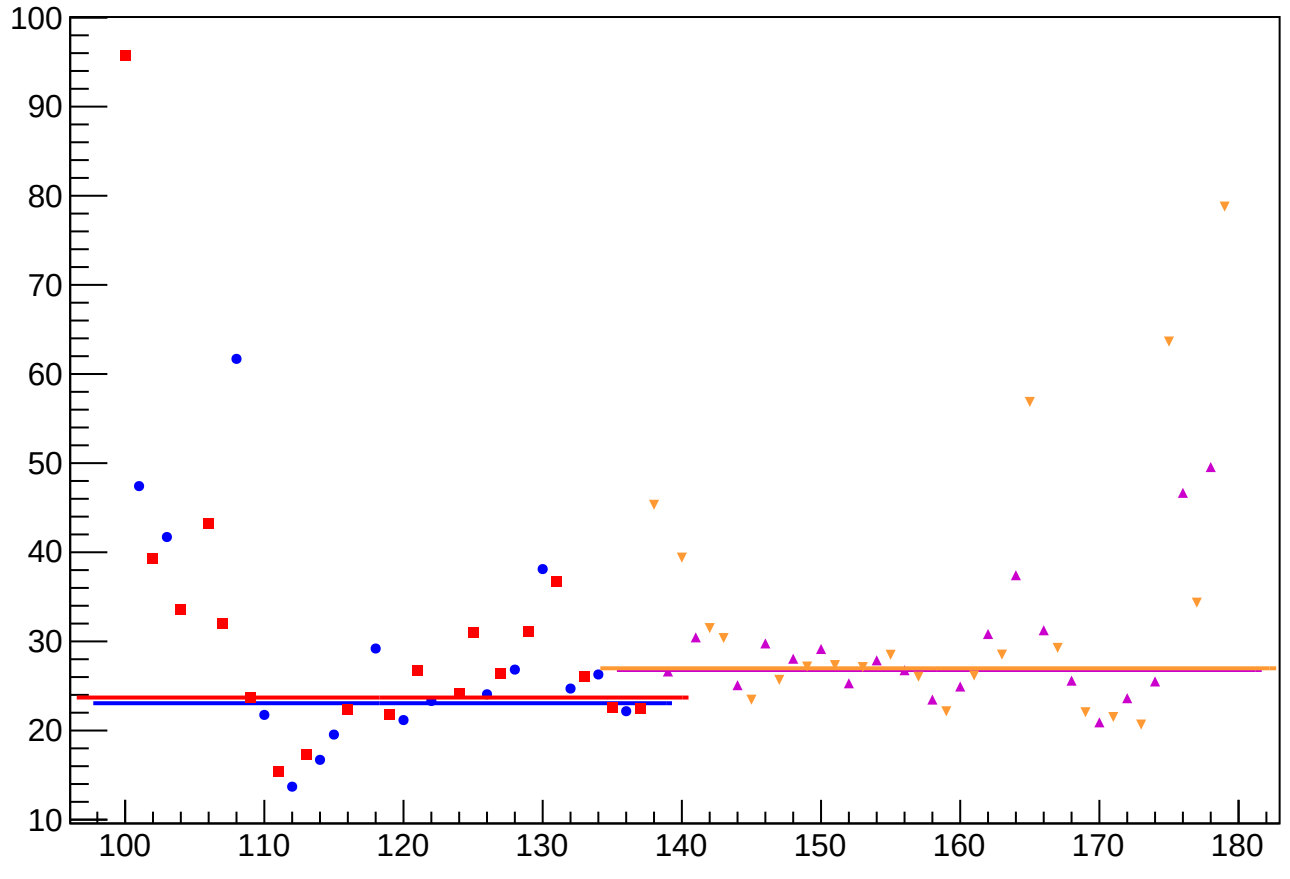
Left: 0.001+/-0.005 χ^2/NDF: 51.0/41

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.4/40

All: -0.004+/-0.004 χ^2/NDF: 94.4/76



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374051.3/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

Left: 26.889+/-0.003 χ^2/NDF: 3206199.2/41

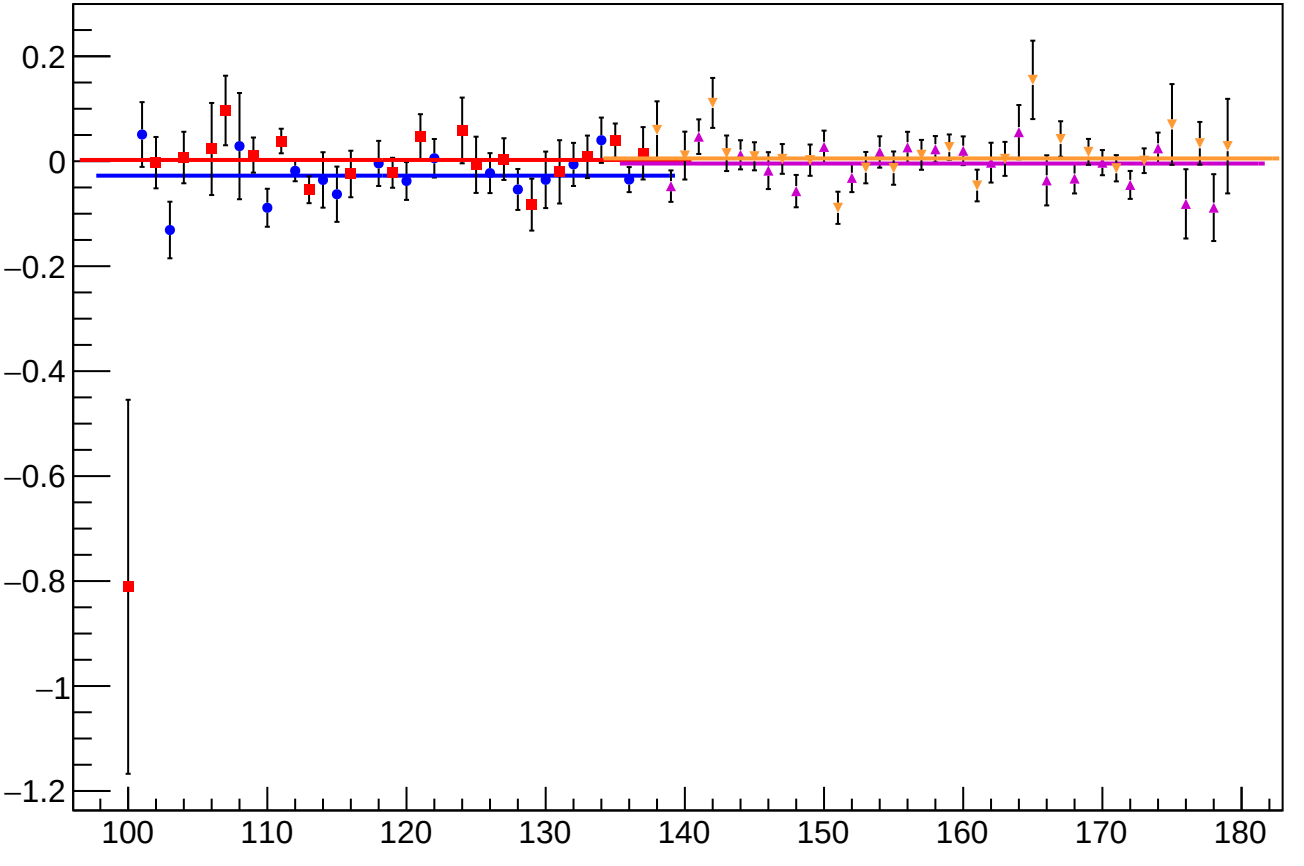
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.455+/-0.004 χ^2/NDF:2597690.5/35

Out: 25.820+/-0.004 χ^2/NDF:3623545.1/40

All: 25.640+/-0.003 χ^2/NDF: 6225504.9/76

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.3/21

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:22.7/19

Left: 0.001+/-0.005 χ^2/NDF: 51.0/41

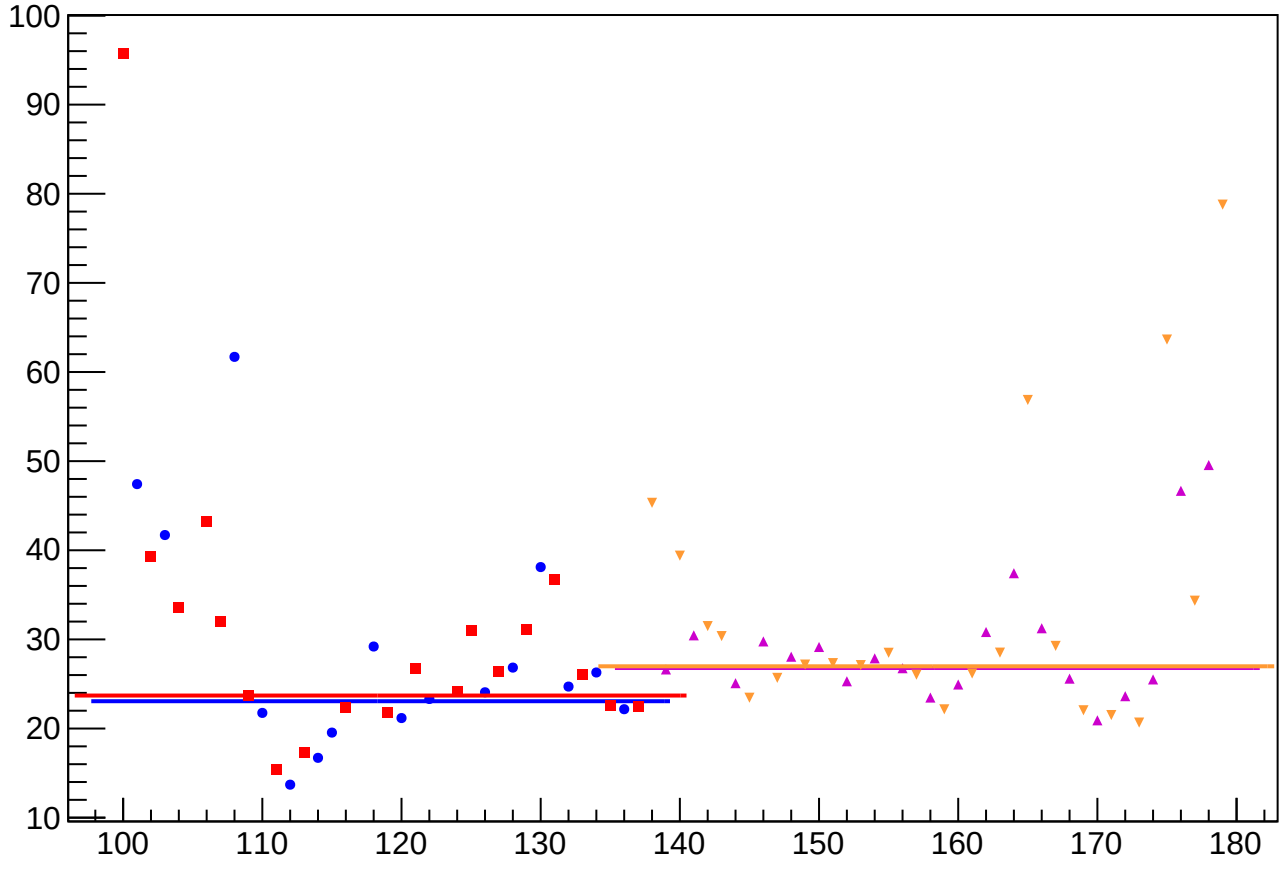
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.4/40

All: -0.004+/-0.004 χ^2/NDF: 94.4/76

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.983+/-0.005 χ^2/NDF:2374051.3/21

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

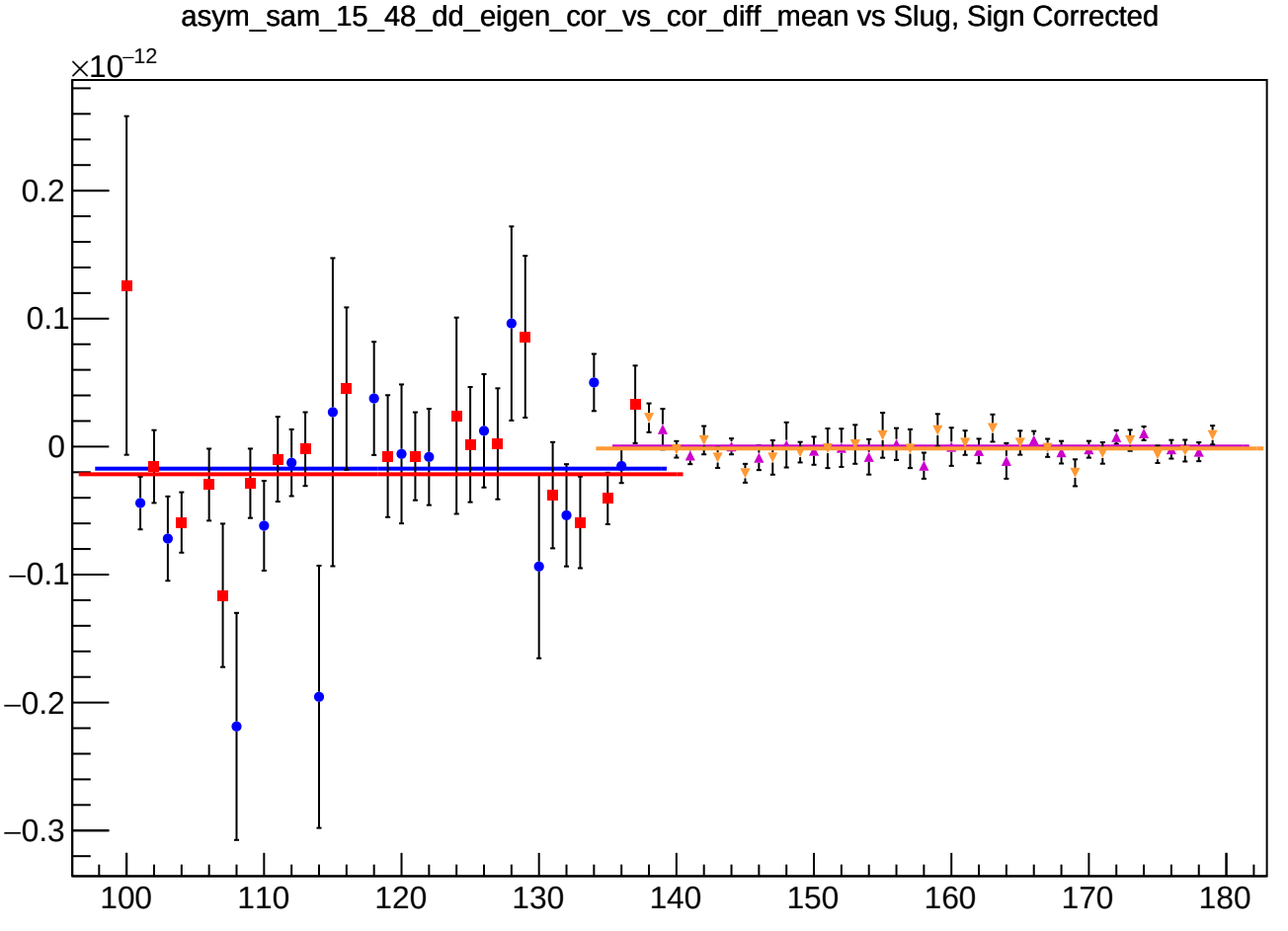
Left: 26.889+/-0.003 χ^2/NDF: 3206199.2/41

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.455+/-0.004 χ^2/NDF:2597690.5/35

Out: 25.820+/-0.004 χ^2/NDF:3623545.1/40

All: 25.640+/-0.003 χ^2/NDF: 6225504.9/76



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/19

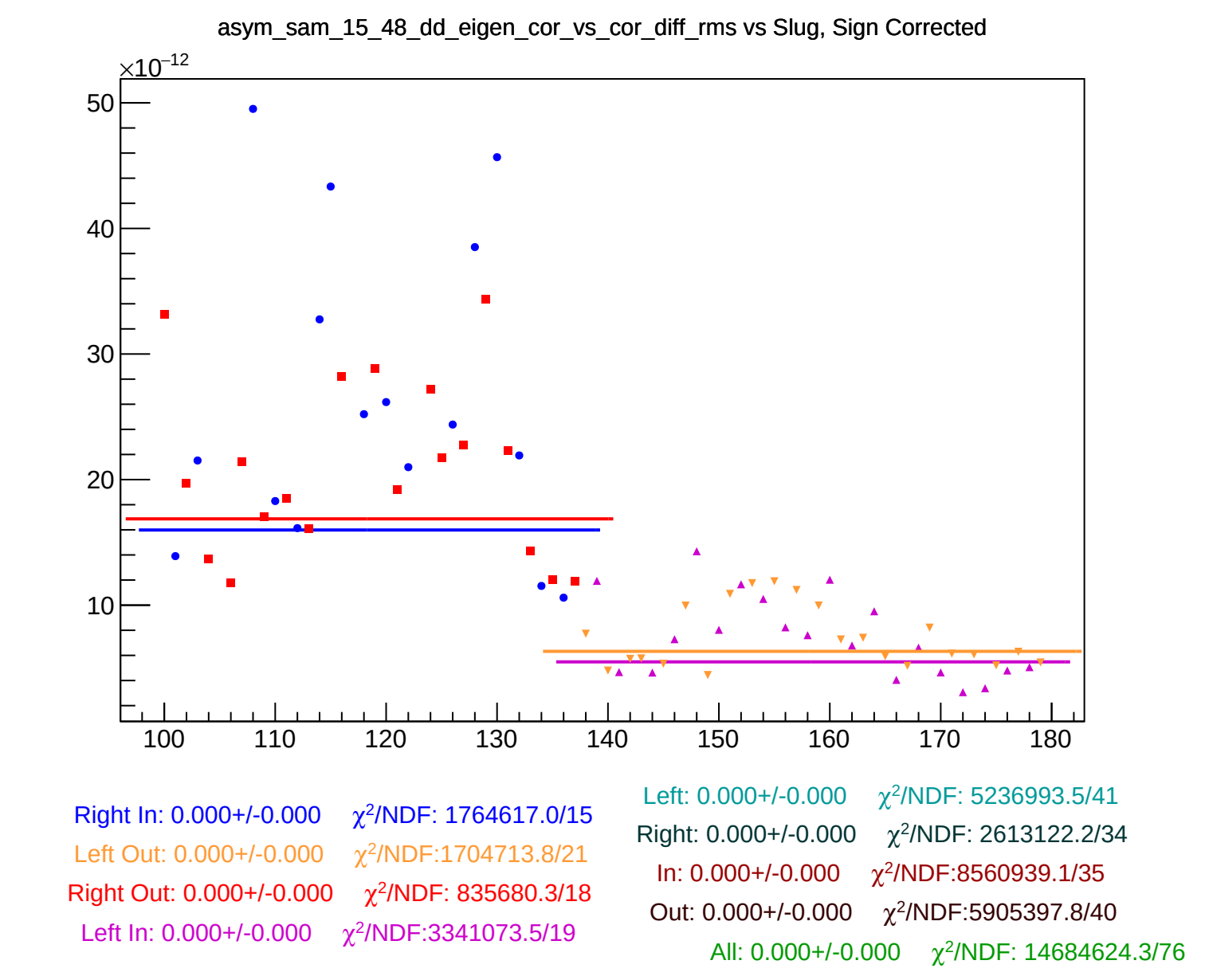
Left: -0.000+/-0.000 χ^2/NDF: 37.1/41

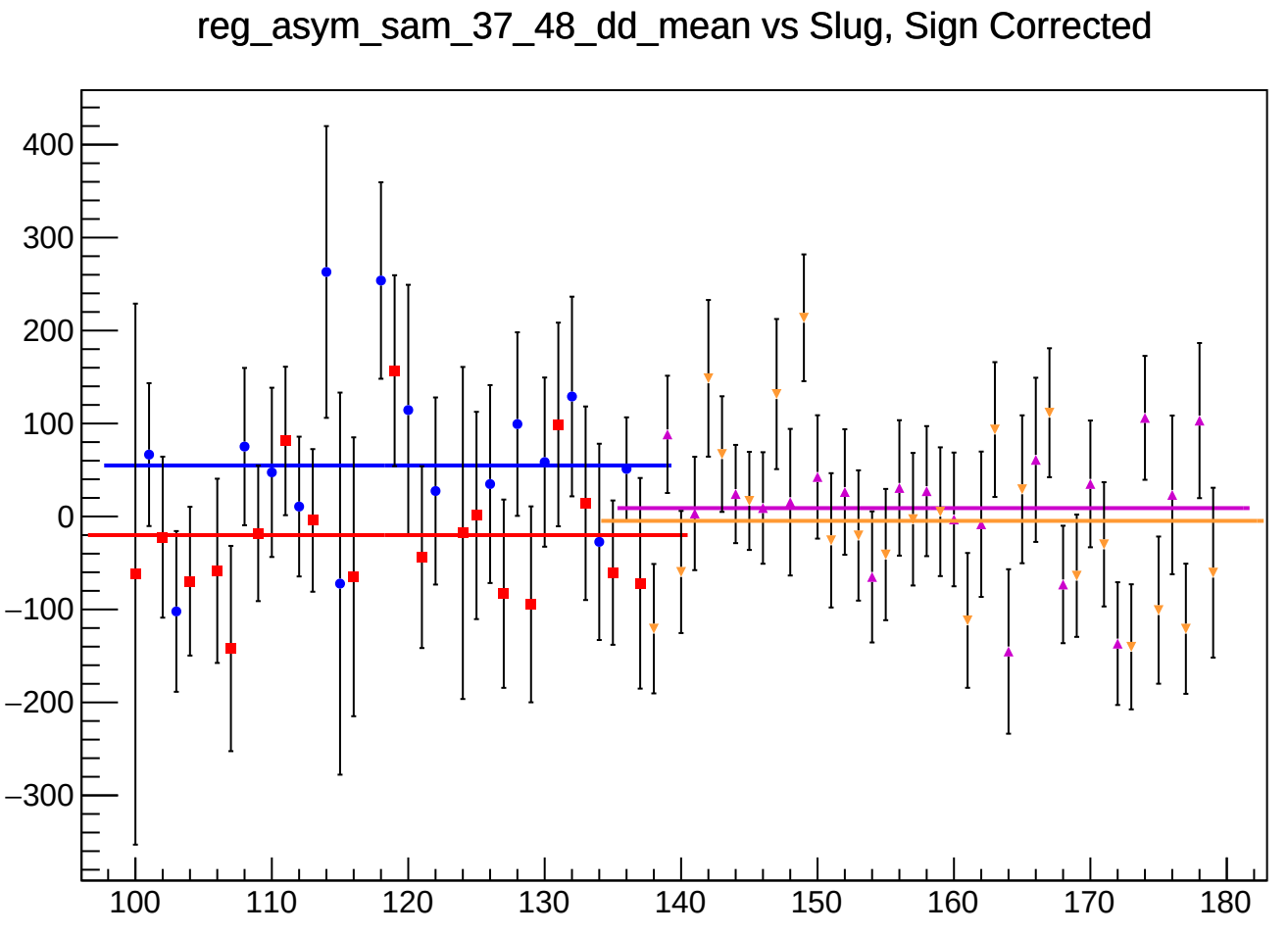
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.4/35

Out: -0.000+/-0.000 χ^2/NDF:48.0/40

All: -0.000+/-0.000 χ^2/NDF: 95.9/76


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1704713.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3341073.5/19
Left: 0.000+/-0.000 χ²/NDF: 5236993.5/41
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8560939.1/35
Out: 0.000+/-0.000 χ²/NDF:5905397.8/40
All: 0.000+/-0.000 χ²/NDF: 14684624.3/76



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -4.717+/-14.954 χ^2/NDF:38.4/21

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 8.995+/-15.482 χ^2/NDF:16.9/19

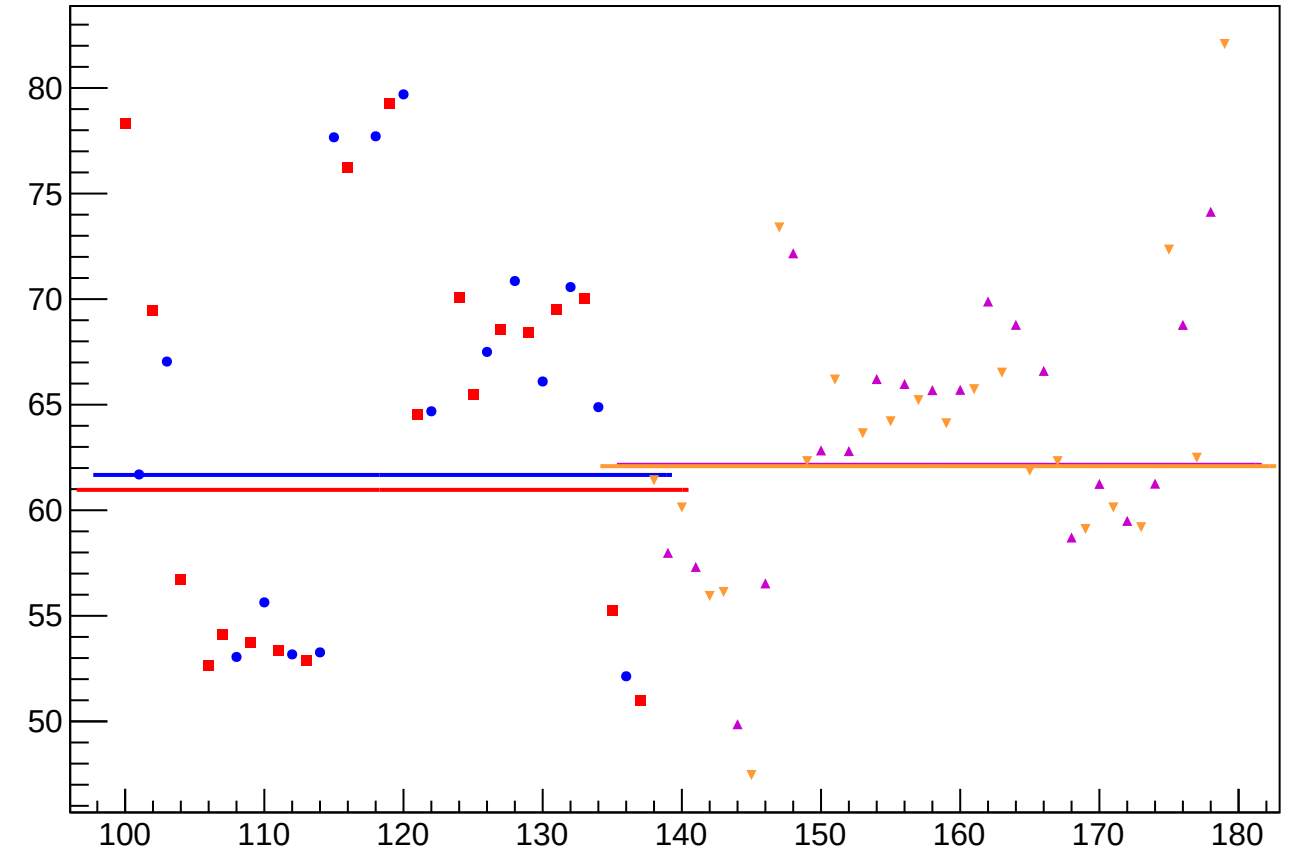
Left: 1.901+/-10.756 χ^2/NDF: 55.7/41

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 23.152+/-12.874 χ^2/NDF:30.6/35

Out: -9.385+/-12.466 χ^2/NDF:48.0/40

All: 6.360+/-8.956 χ^2/NDF: 81.9/76



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

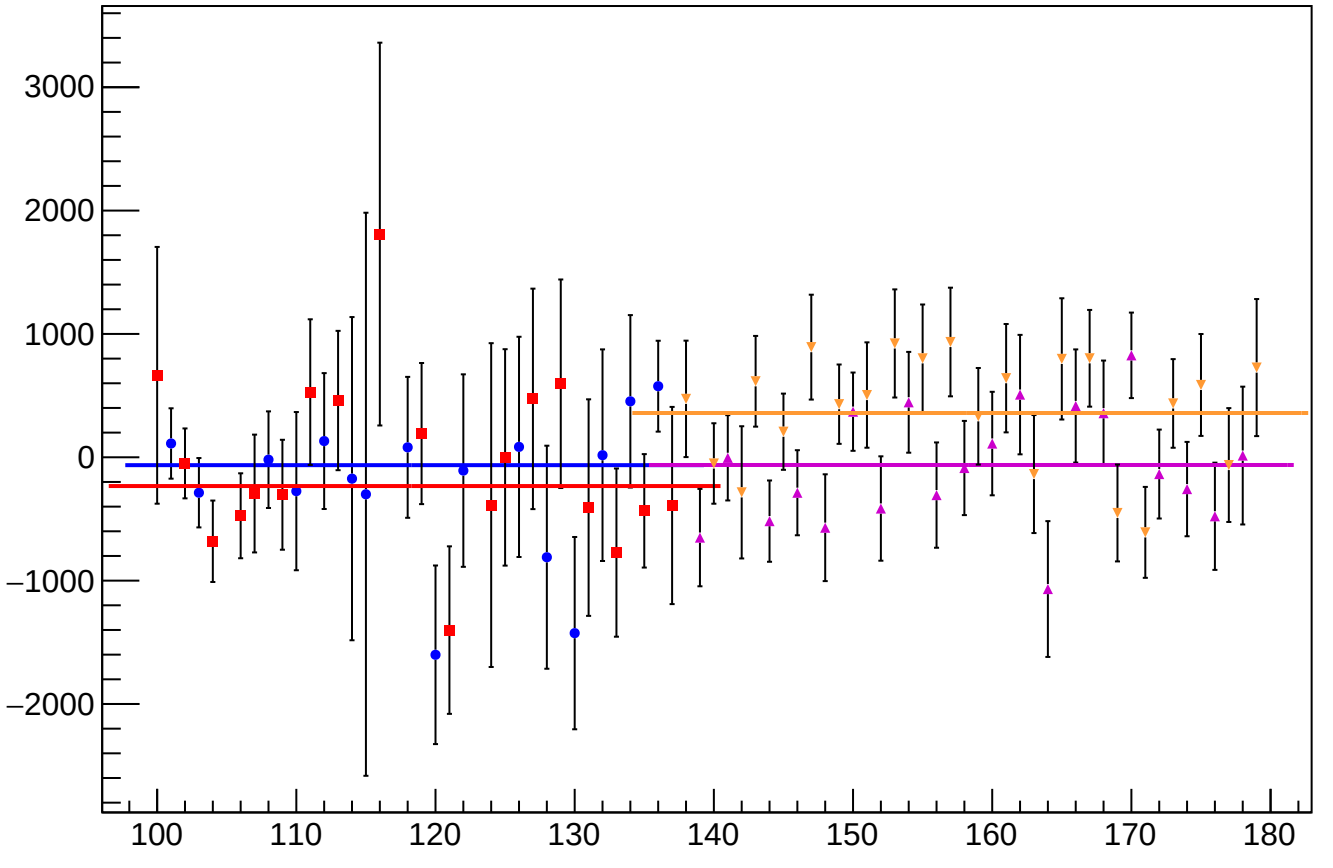
Left: 62.120+/-0.008 χ^2/NDF: 691139.3/41

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 62.005+/-0.009 χ^2/NDF:568627.6/35

Out: 61.746+/-0.009 χ^2/NDF:677812.0/40

All: 61.871+/-0.006 χ^2/NDF: 1246856.7/76



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 359.021+/-86.502 χ^2/NDF:26.3/21

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -62.484+/-88.932 χ^2/NDF:25.2/19

Left: 154.105+/-62.007 χ^2/NDF: 63.0/41

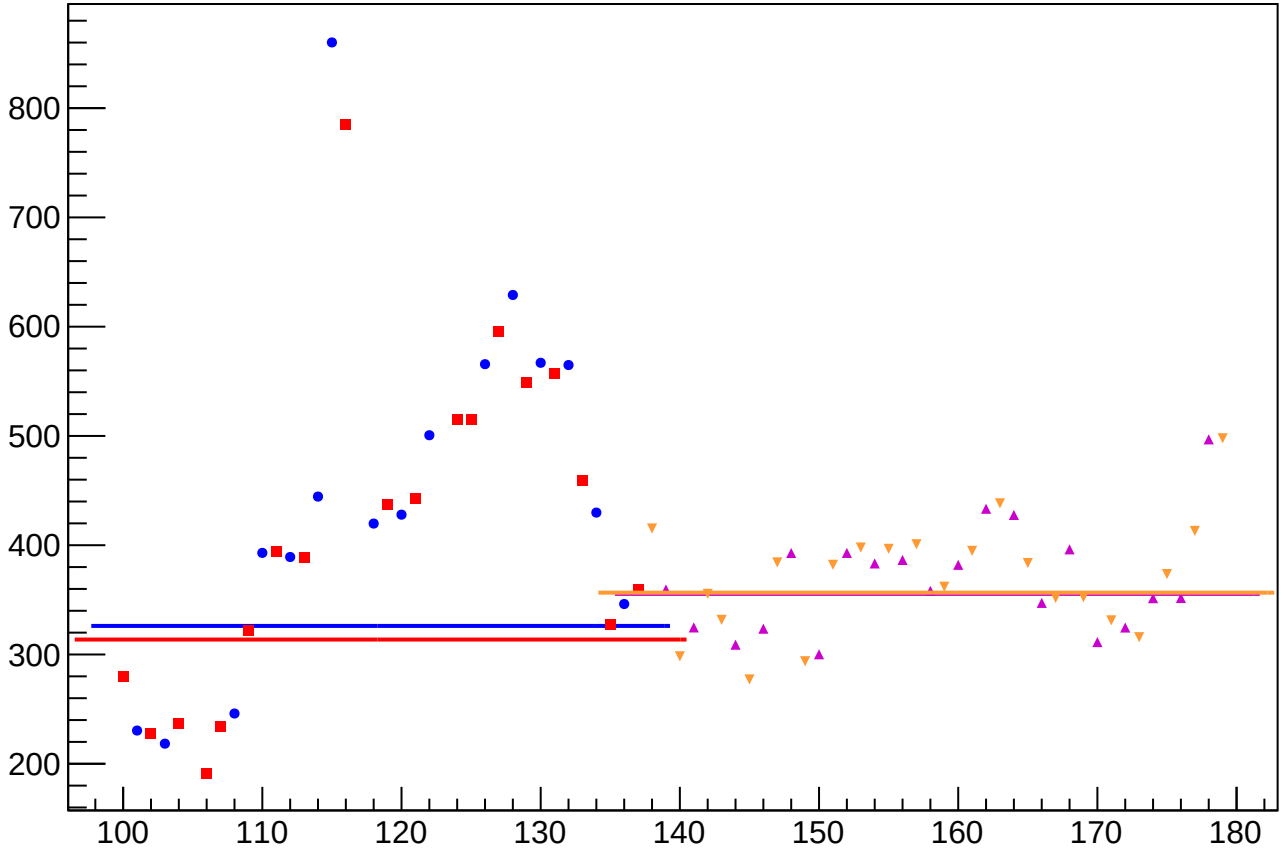
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -62.916+/-73.341 χ^2/NDF:38.3/35

Out: 162.597+/-70.716 χ^2/NDF:56.3/40

All: 53.948+/-50.907 χ^2/NDF: 99.6/76

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 356.594+/-0.061 χ^2/NDF:661280.4/21

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 355.456+/-0.063 χ^2/NDF:472747.0/19

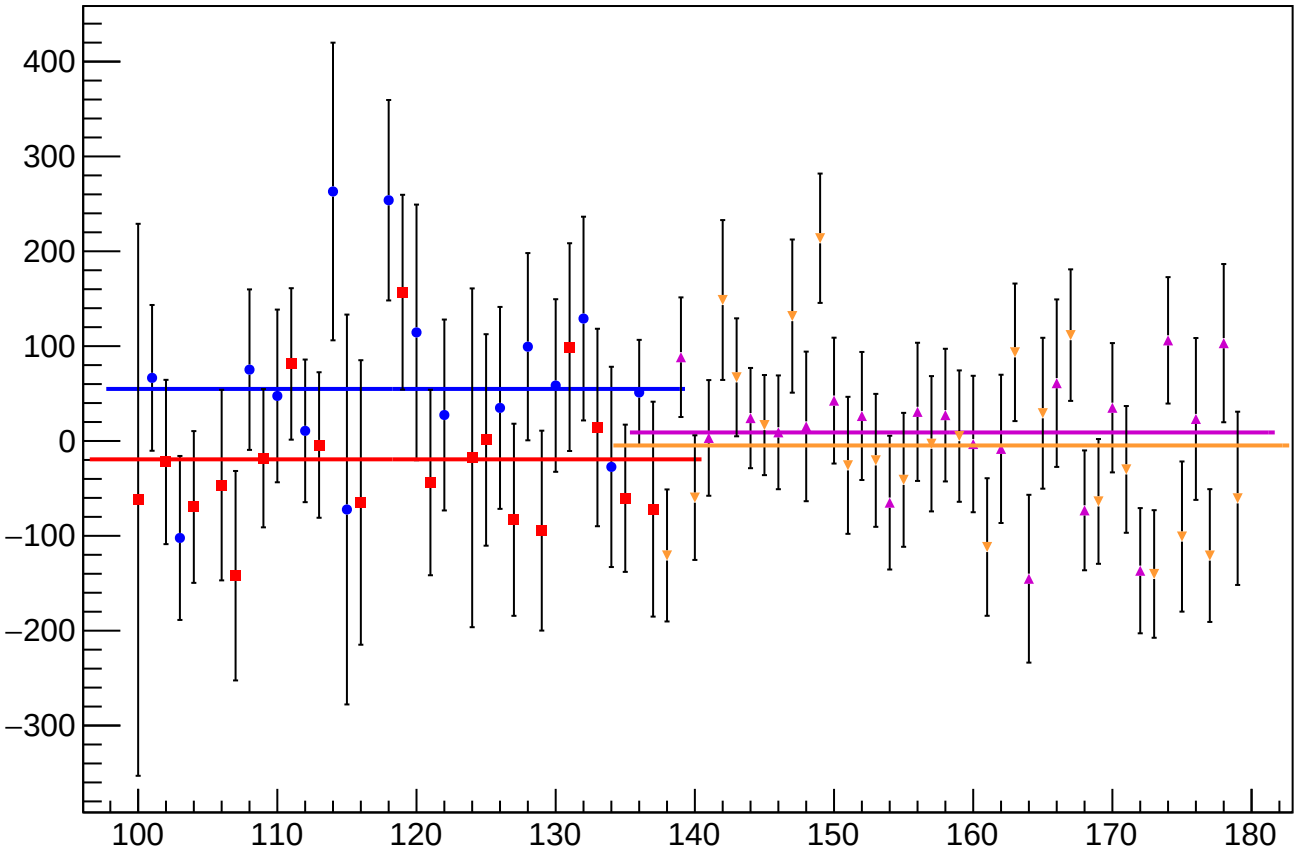
Left: 356.041+/-0.044 χ^2/NDF: 1134195.9/41

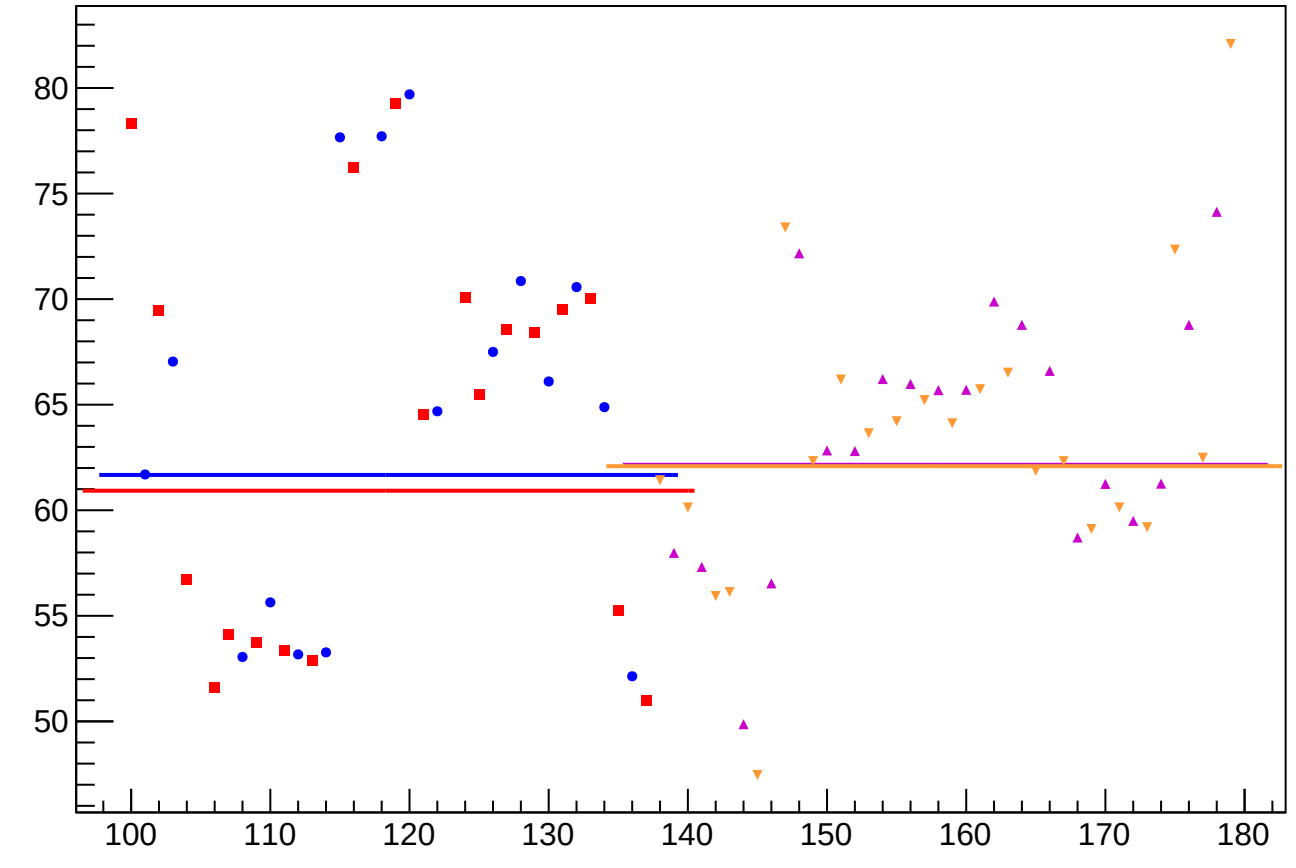
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 346.080+/-0.052 χ^2/NDF:2276226.3/35

Out: 342.358+/-0.050 χ^2/NDF:2611952.2/40

All: 344.152+/-0.036 χ^2/NDF: 4890848.1/76


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -4.720+/-14.954 χ²/NDF:38.4/21
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 8.994+/-15.482 χ²/NDF:16.9/19
Left: 1.899+/-10.756 χ²/NDF: 55.7/41
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 23.149+/-12.874 χ²/NDF:30.6/35
Out: -9.179+/-12.469 χ²/NDF:47.9/40
All: 6.468+/-8.957 χ²/NDF: 81.7/76



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

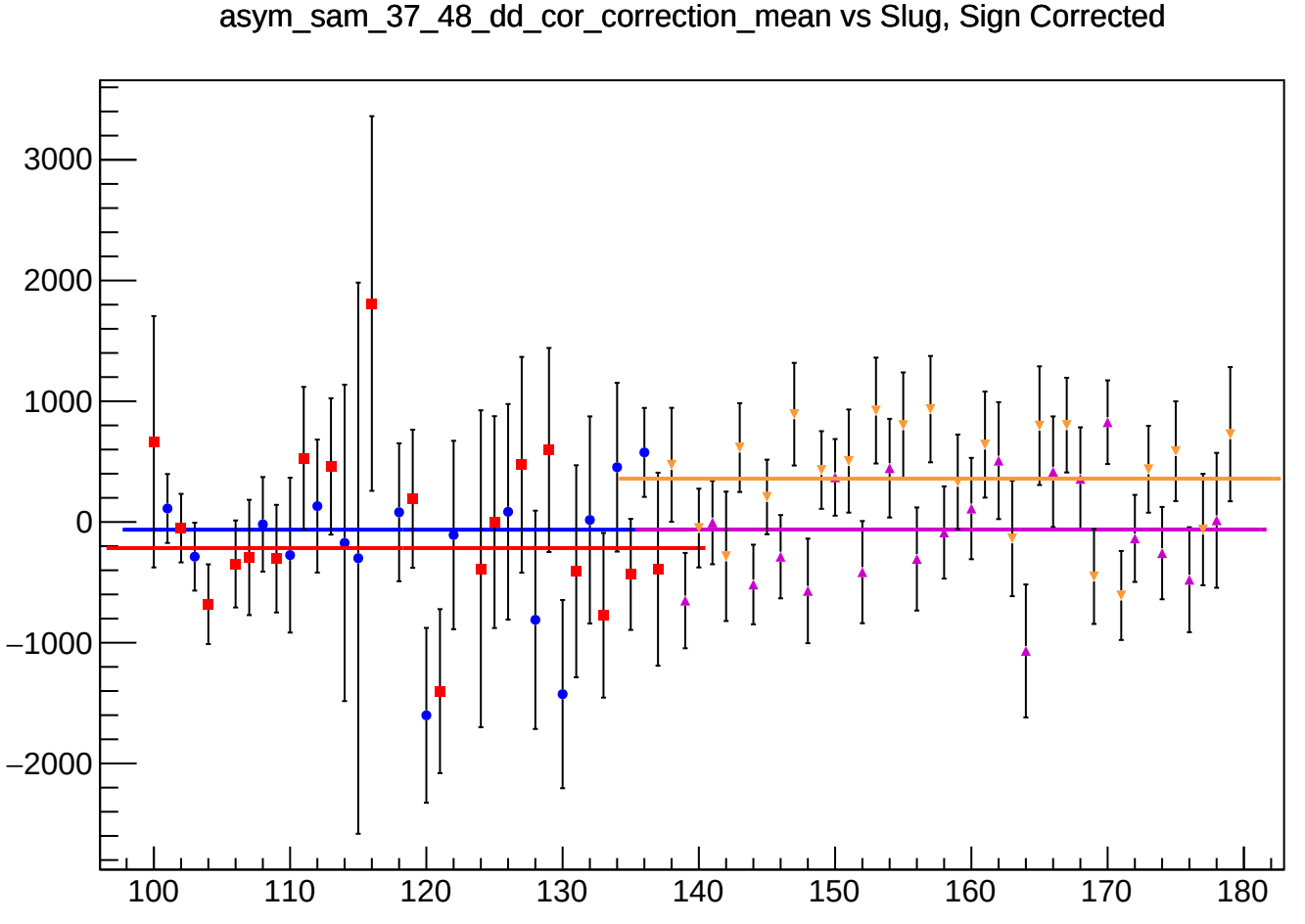
Left: 62.120+/-0.008 χ^2/NDF: 691139.3/41

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.005+/-0.009 χ^2/NDF:568627.8/35

Out: 61.734+/-0.009 χ^2/NDF:681459.0/40

All: 61.865+/-0.006 χ^2/NDF: 1250543.7/76



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 359.020+/-86.502 χ^2/NDF:26.3/21

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -62.484+/-88.932 χ^2/NDF:25.2/19

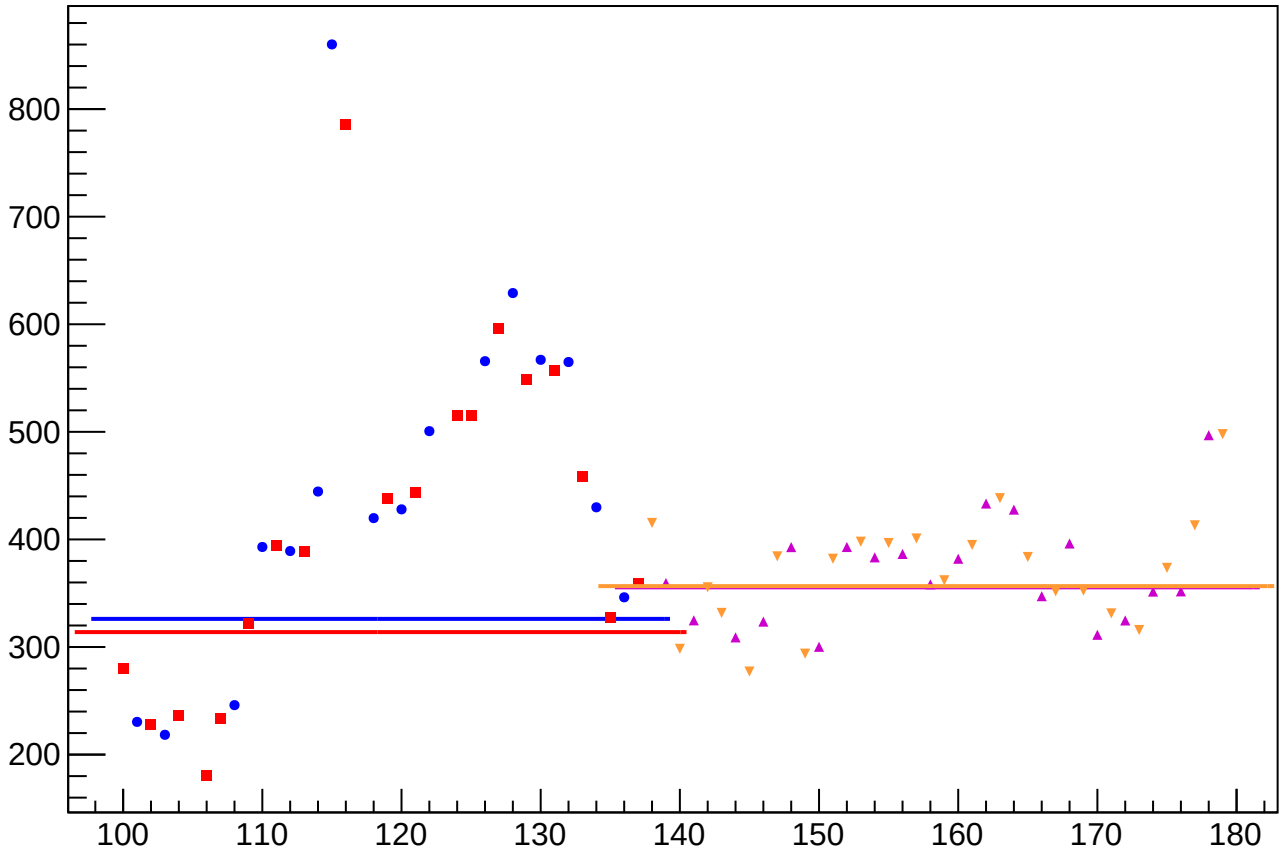
Left: 154.105+/-62.007 χ^2/NDF: 63.0/41

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -62.911+/-73.341 χ^2/NDF:38.3/35

Out: 169.779+/-70.849 χ^2/NDF:54.9/40

All: 57.454+/-50.956 χ^2/NDF: 98.5/76



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.456+/-0.063 χ^2/NDF:472749.7/19

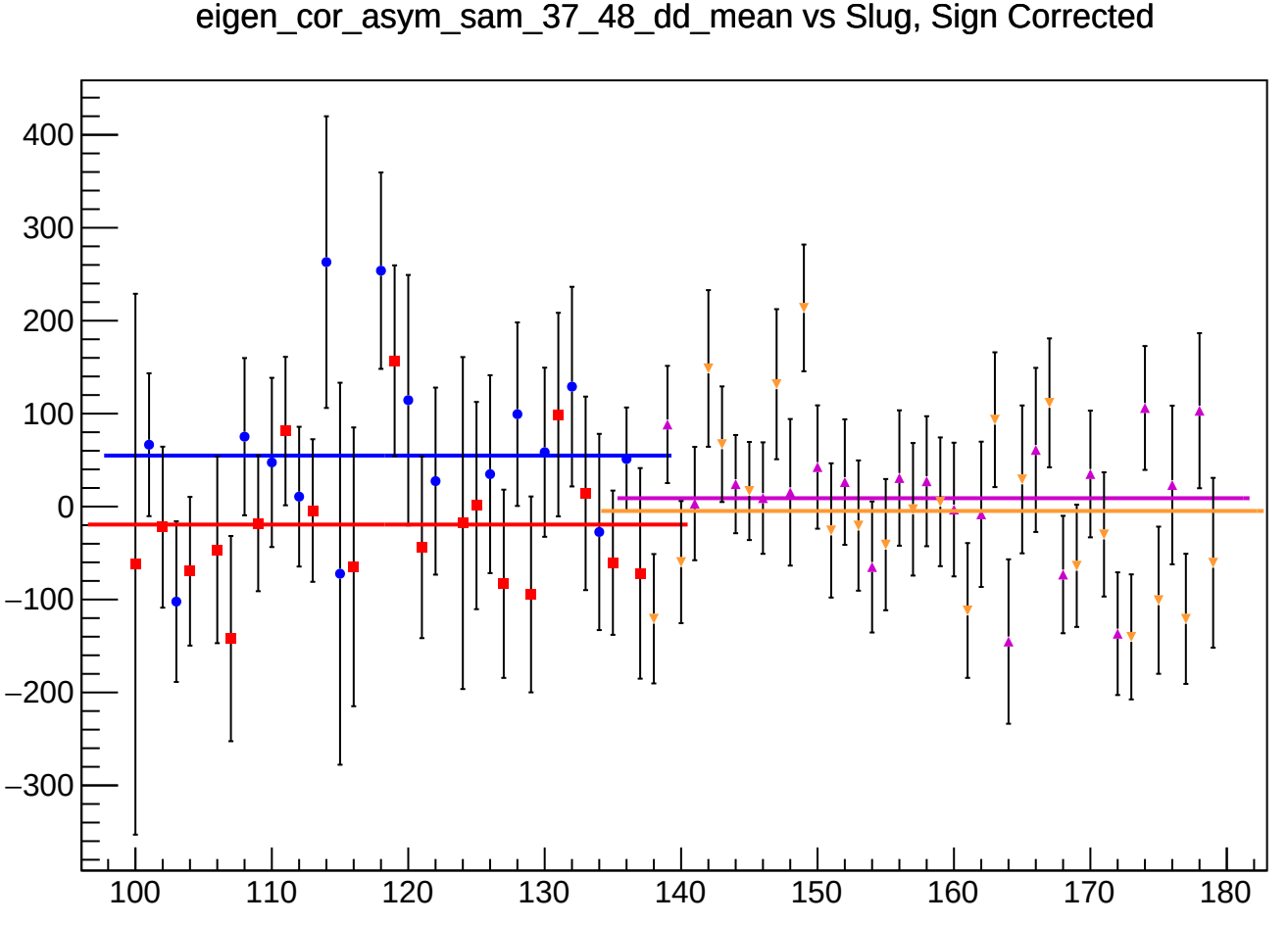
Left: 356.041+/-0.044 χ^2/NDF: 1134195.8/41

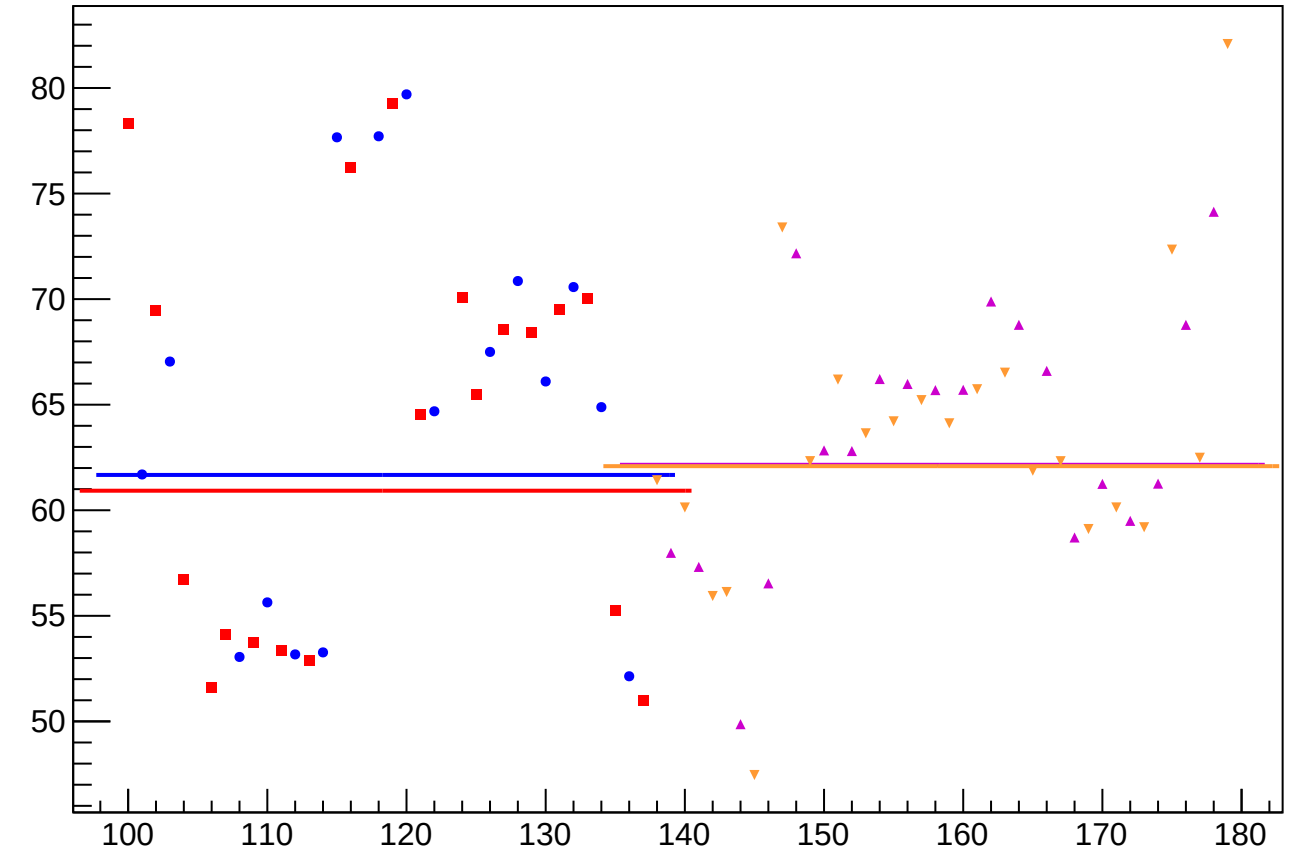
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 346.081+/-0.052 χ^2/NDF:2276154.2/35

Out: 342.528+/-0.050 χ^2/NDF:2627720.5/40

All: 344.244+/-0.036 χ^2/NDF: 4906302.6/76


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -4.720+/-14.954 χ²/NDF:38.4/21
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 8.994+/-15.482 χ²/NDF:16.9/19
Left: 1.899+/-10.756 χ²/NDF: 55.7/41
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 23.149+/-12.874 χ²/NDF:30.6/35
Out: -9.179+/-12.469 χ²/NDF:47.9/40
All: 6.468+/-8.957 χ²/NDF: 81.7/76



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 62.088+/-0.011 χ^2/NDF:390195.2/21

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 62.153+/-0.011 χ^2/NDF:300926.0/19

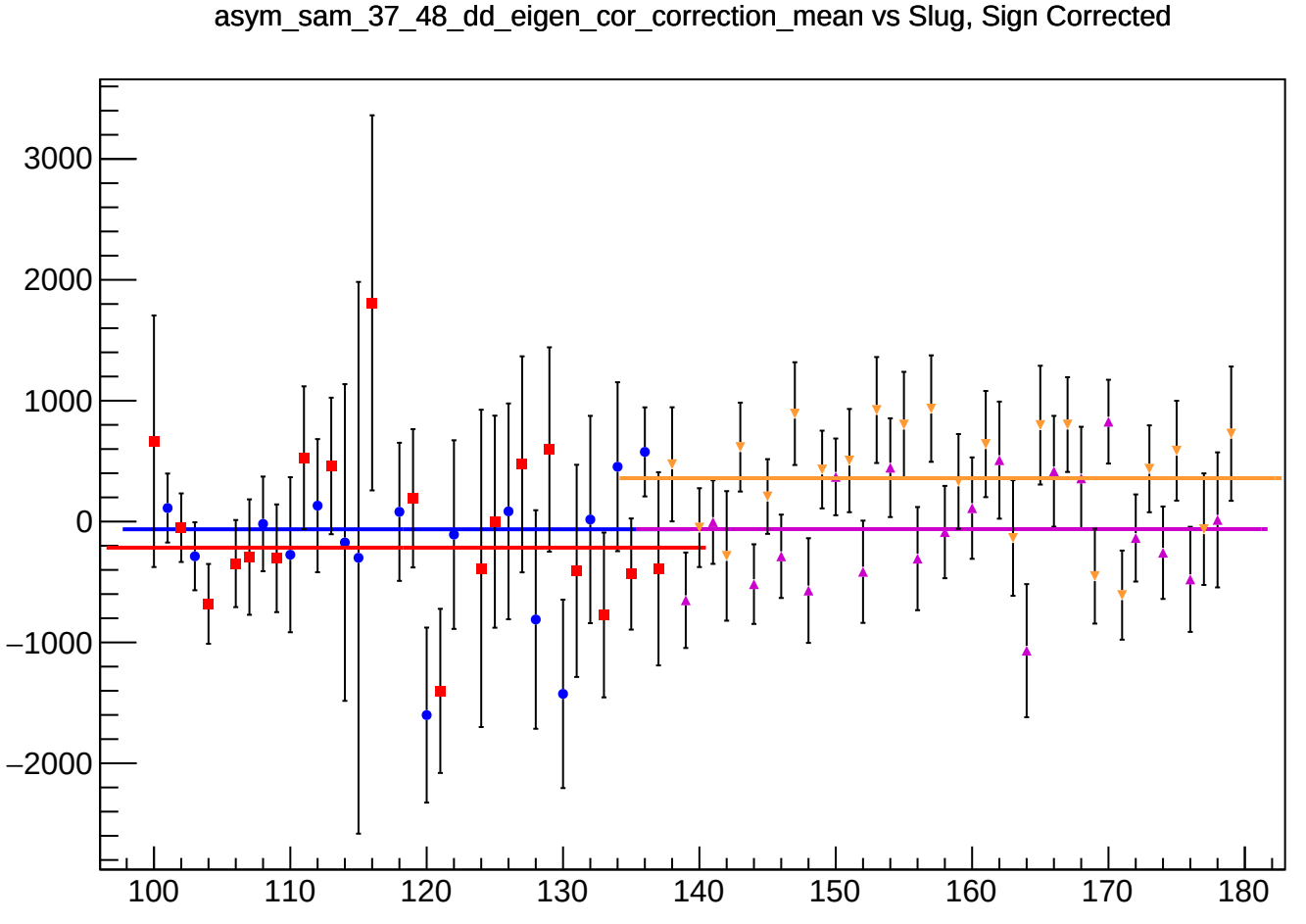
Left: 62.120+/-0.008 χ^2/NDF: 691139.3/41

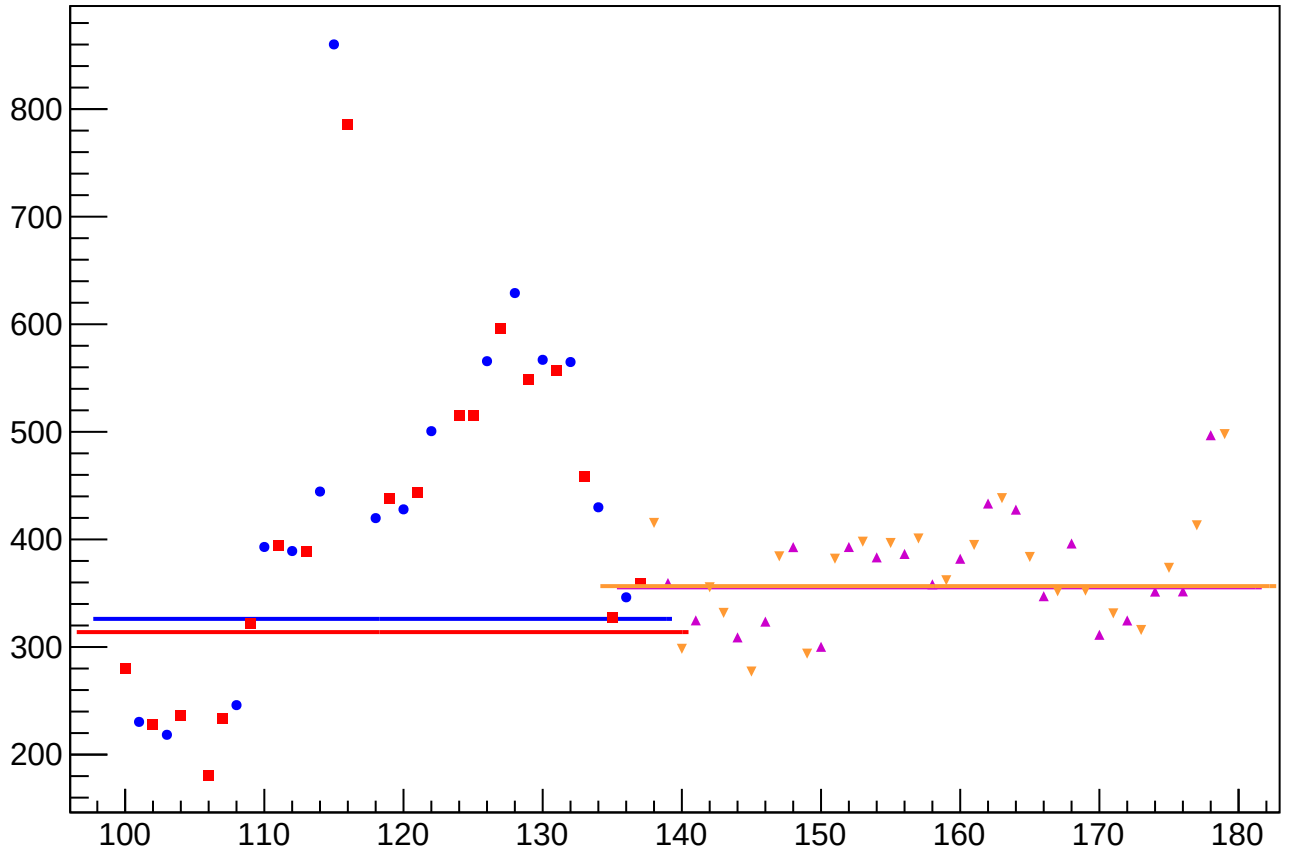
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.005+/-0.009 χ^2/NDF:568627.8/35

Out: 61.734+/-0.009 χ^2/NDF:681459.0/40

All: 61.865+/-0.006 χ^2/NDF: 1250543.7/76


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 359.020+/-86.502 χ²/NDF:26.3/21
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -62.484+/-88.932 χ²/NDF:25.2/19
Left: 154.105+/-62.007 χ²/NDF: 63.0/41
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -62.911+/-73.341 χ²/NDF:38.3/35
Out: 169.779+/-70.849 χ²/NDF:54.9/40
All: 57.454+/-50.956 χ²/NDF: 98.5/76



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 356.594+/-0.061 χ^2/NDF:661277.6/21

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.456+/-0.063 χ^2/NDF:472749.7/19

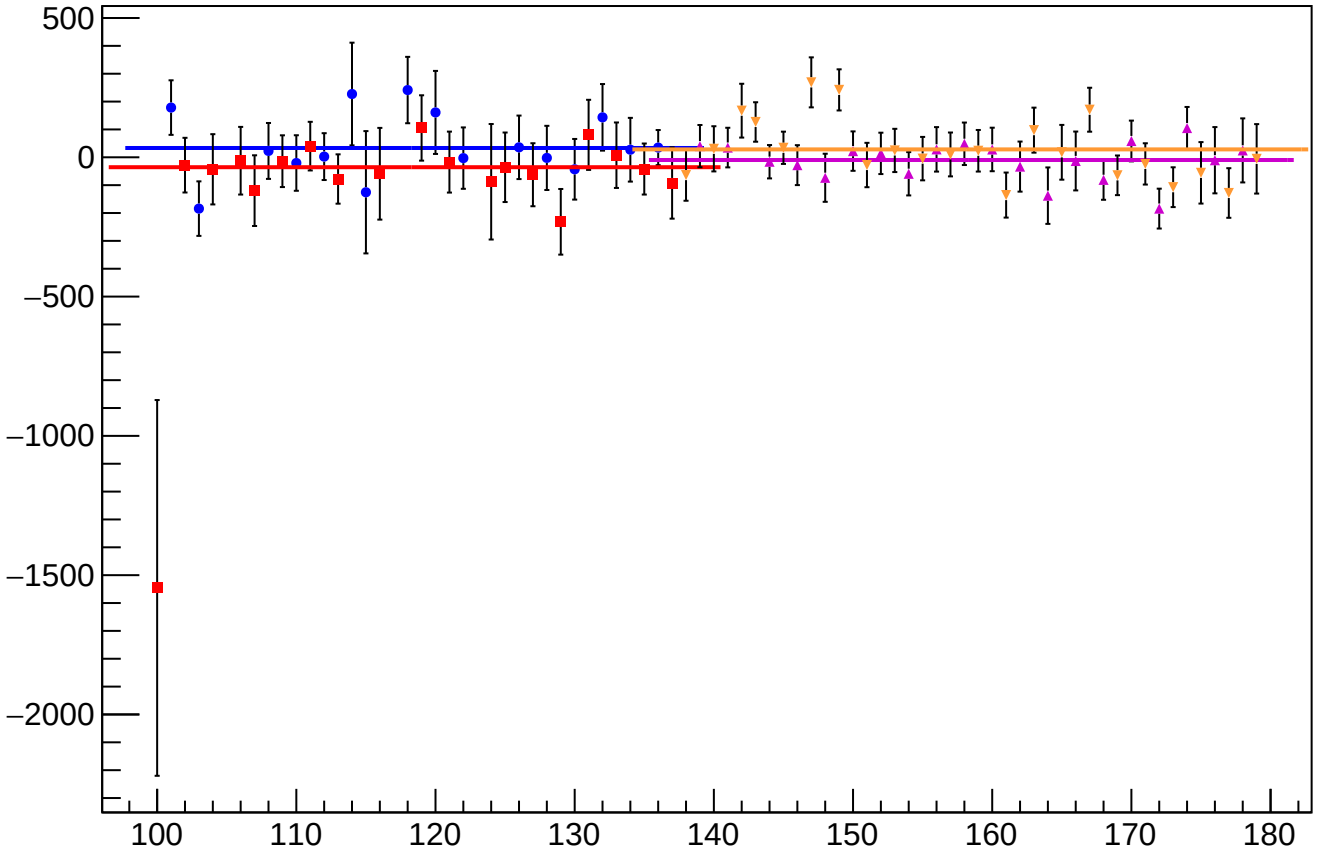
Left: 356.041+/-0.044 χ^2/NDF: 1134195.8/41

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 346.081+/-0.052 χ^2/NDF:2276154.2/35

Out: 342.528+/-0.050 χ^2/NDF:2627720.5/40

All: 344.244+/-0.036 χ^2/NDF: 4906302.6/76



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 28.362+/-17.075 χ^2/NDF:39.0/21

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -9.718+/-17.601 χ^2/NDF:15.1/19

Left: 9.900+/-12.255 χ^2/NDF: 56.5/41

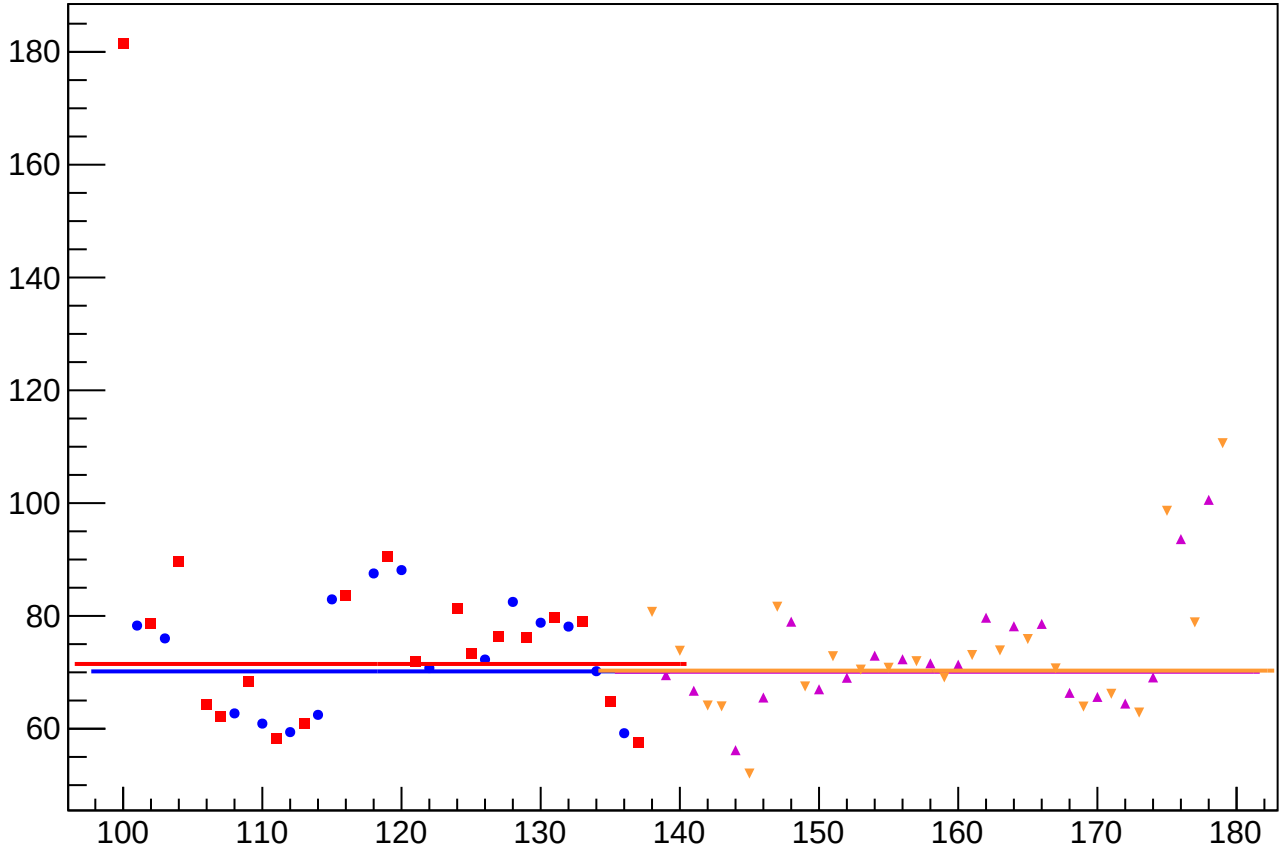
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.540+/-14.647 χ^2/NDF:31.4/35

Out: 9.641+/-14.359 χ^2/NDF:55.2/40

All: 6.651+/-10.254 χ^2/NDF: 86.7/76

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 70.303+/-0.012 χ^2/NDF:706786.5/21

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 70.101+/-0.012 χ^2/NDF:444245.9/19

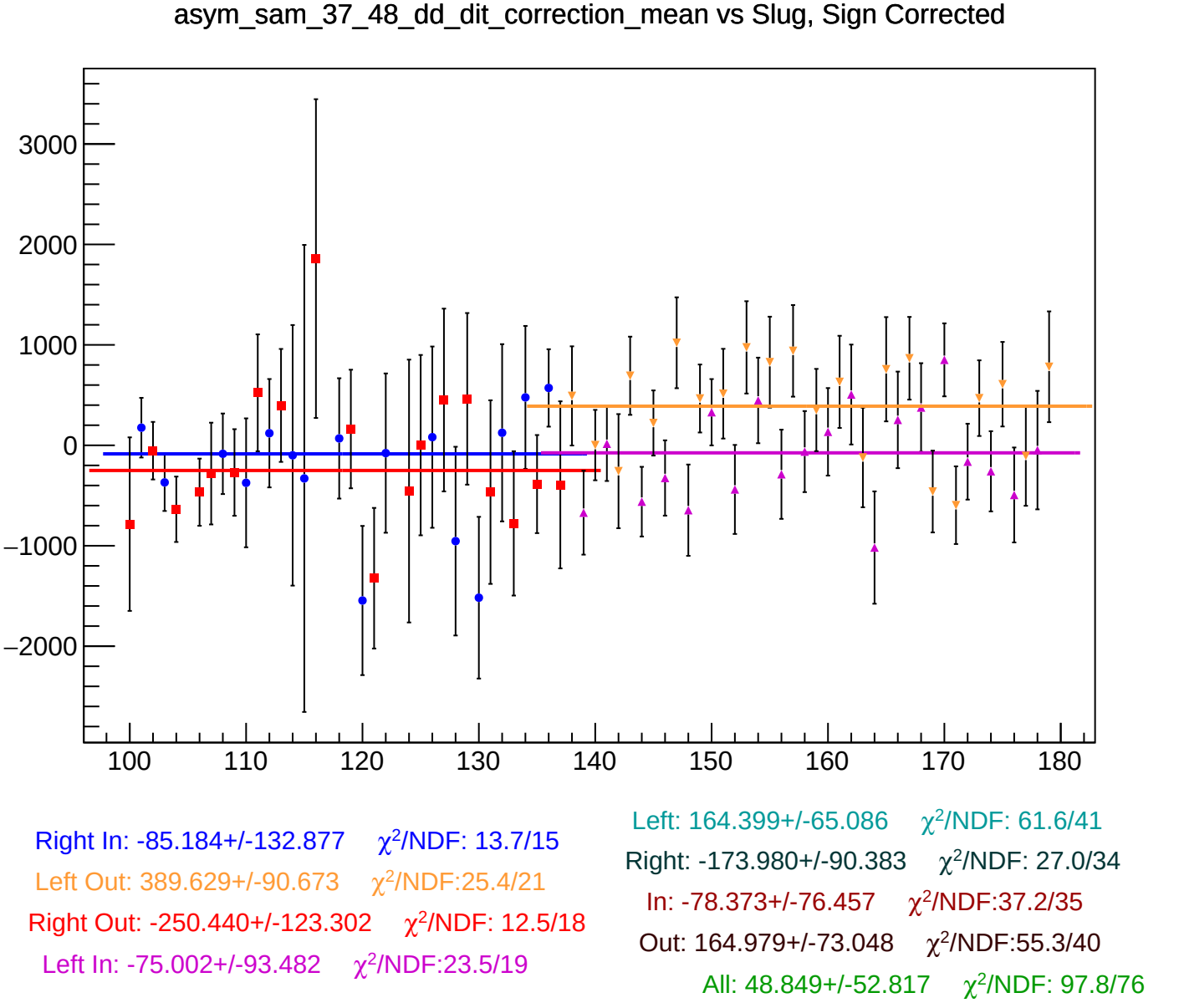
Left: 70.205+/-0.009 χ^2/NDF: 1151168.0/41

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

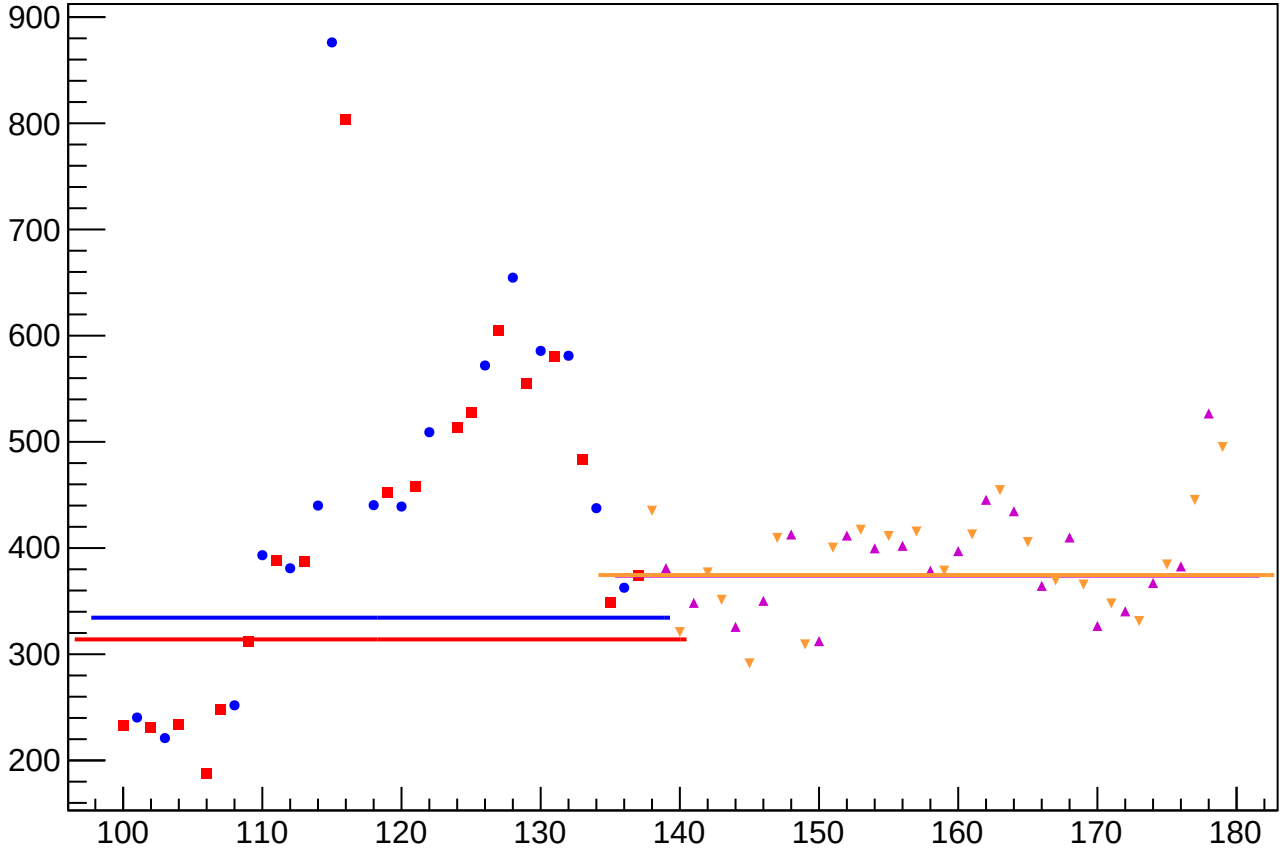
In: 70.121+/-0.010 χ^2/NDF:713504.6/35

Out: 70.648+/-0.010 χ^2/NDF:1035299.3/40

All: 70.390+/-0.007 χ^2/NDF: 1750124.5/76


asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -85.184+/-132.877 χ²/NDF: 13.7/15
Left Out: 389.629+/-90.673 χ²/NDF:25.4/21
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -75.002+/-93.482 χ²/NDF:23.5/19
Left: 164.399+/-65.086 χ²/NDF: 61.6/41
Right: -173.980+/-90.383 χ²/NDF: 27.0/34
In: -78.373+/-76.457 χ²/NDF:37.2/35
Out: 164.979+/-73.048 χ²/NDF:55.3/40
All: 48.849+/-52.817 χ²/NDF: 97.8/76

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 374.568+/-0.064 χ^2/NDF:603208.4/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 374.008+/-0.066 χ^2/NDF:441013.9/19

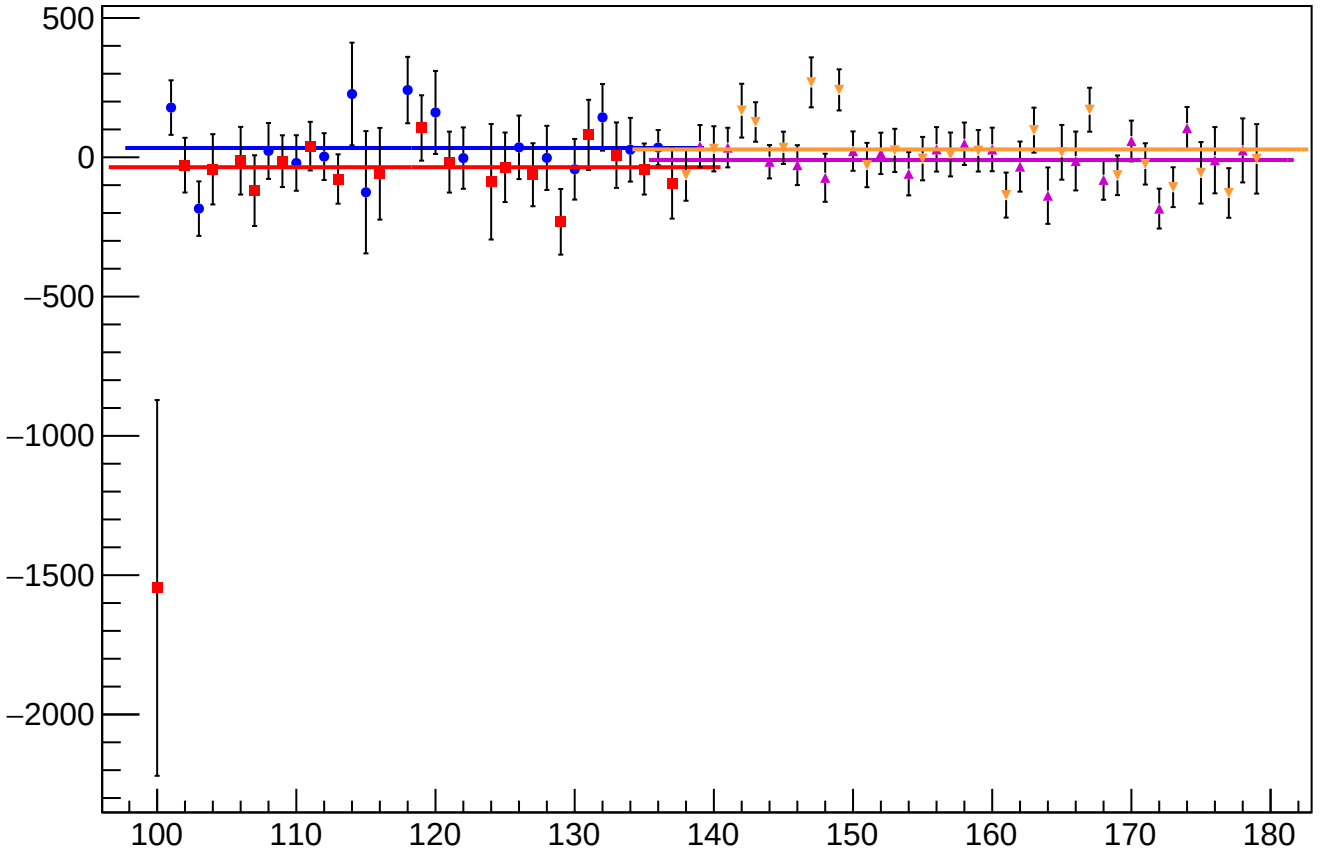
Left: 374.297+/-0.046 χ^2/NDF: 1044259.3/41

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 360.905+/-0.054 χ^2/NDF:2290308.7/35

Out: 353.300+/-0.052 χ^2/NDF:2821325.6/40

All: 356.929+/-0.037 χ^2/NDF: 5121979.0/76



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 28.361+/-17.075 χ^2/NDF:39.0/21

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -9.717+/-17.601 χ^2/NDF:15.1/19

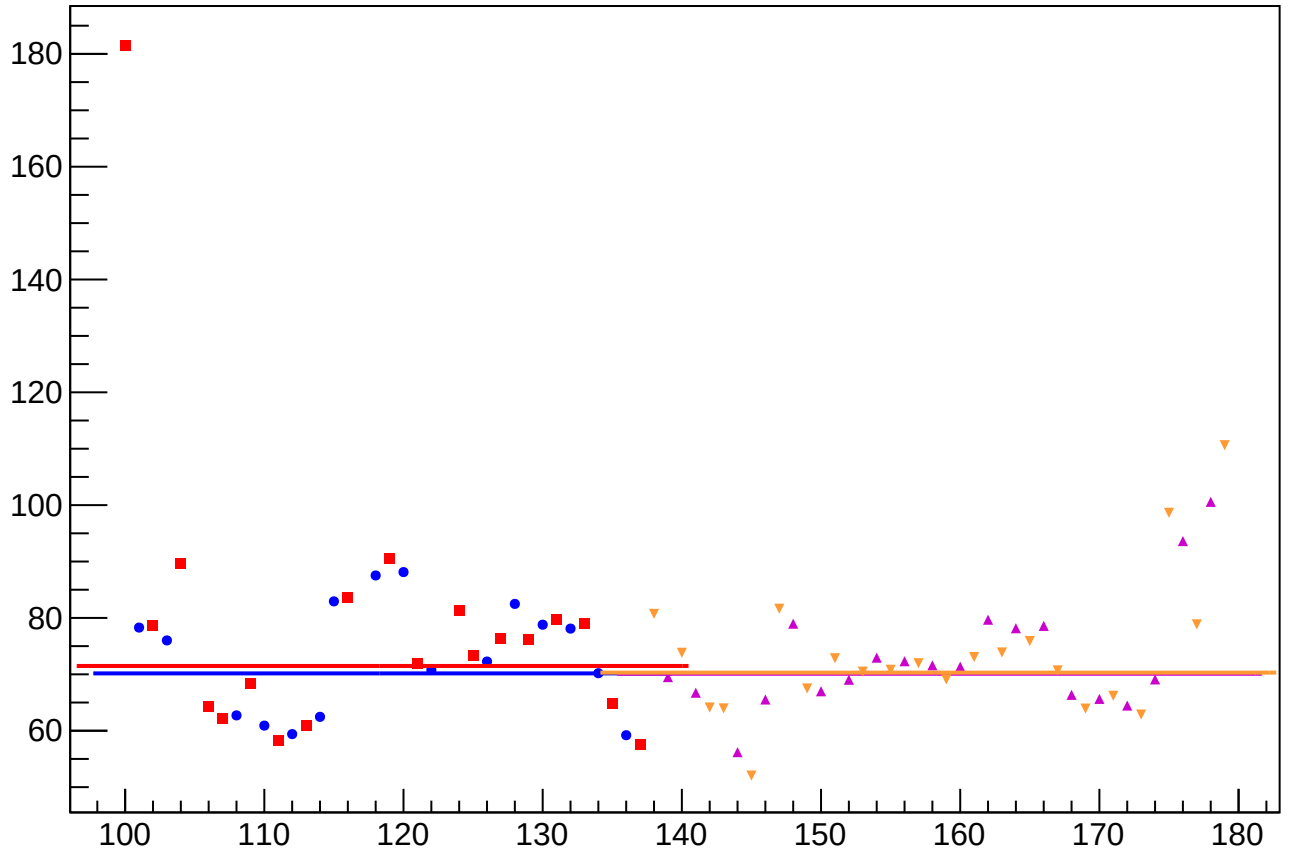
Left: 9.900+/-12.255 χ^2/NDF: 56.5/41

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.540+/-14.647 χ^2/NDF:31.4/35

Out: 9.640+/-14.359 χ^2/NDF:55.2/40

All: 6.650+/-10.254 χ^2/NDF: 86.7/76



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 70.303+/-0.012 χ^2/NDF:706793.5/21

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 70.101+/-0.012 χ^2/NDF:444241.7/19

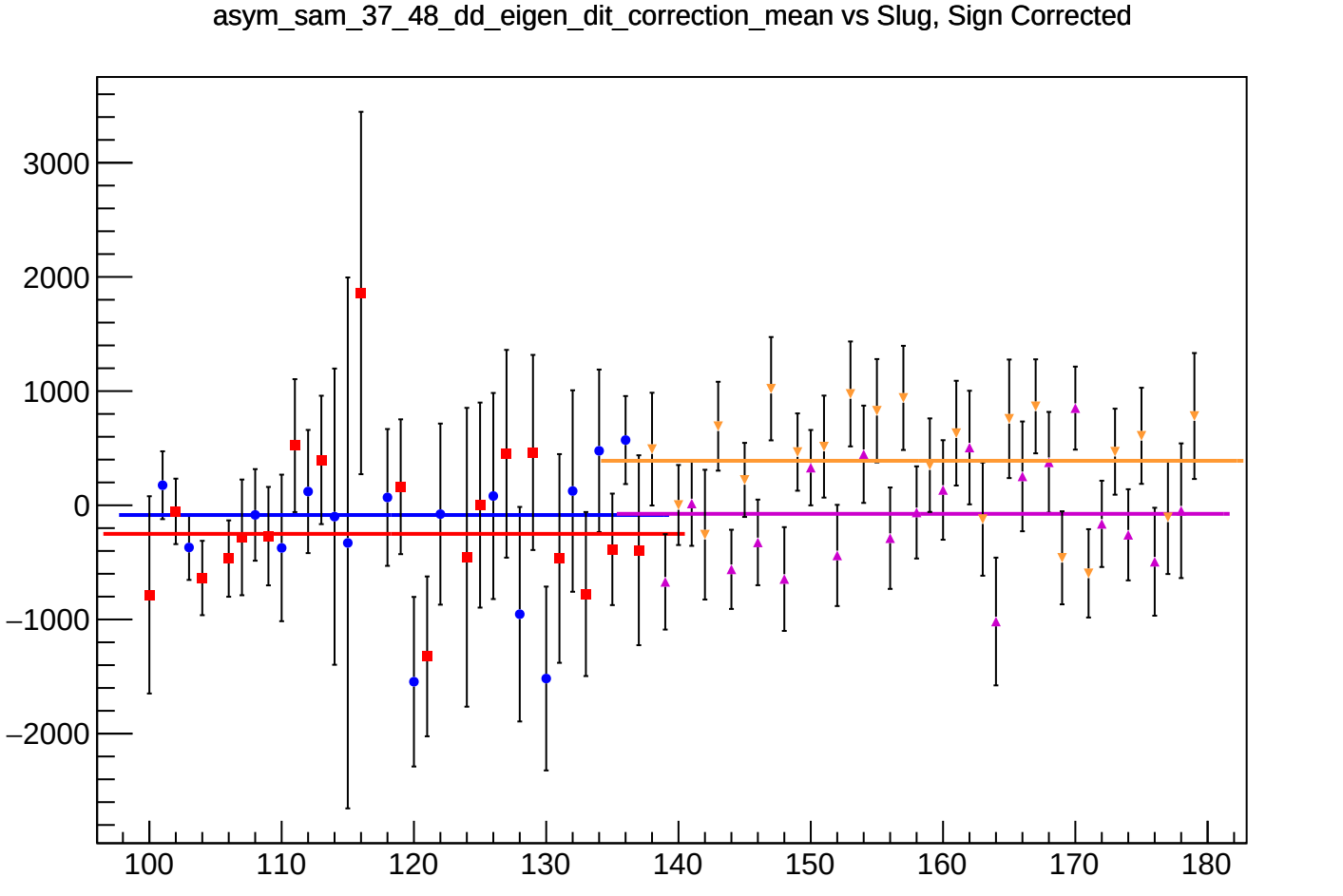
Left: 70.205+/-0.009 χ^2/NDF: 1151170.7/41

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 70.121+/-0.010 χ^2/NDF:713503.4/35

Out: 70.648+/-0.010 χ^2/NDF:1035313.4/40

All: 70.390+/-0.007 χ^2/NDF: 1750137.4/76



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 389.628+/-90.673 χ^2/NDF:25.4/21

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -75.001+/-93.482 χ^2/NDF:23.5/19

Left: 164.398+/-65.086 χ^2/NDF: 61.6/41

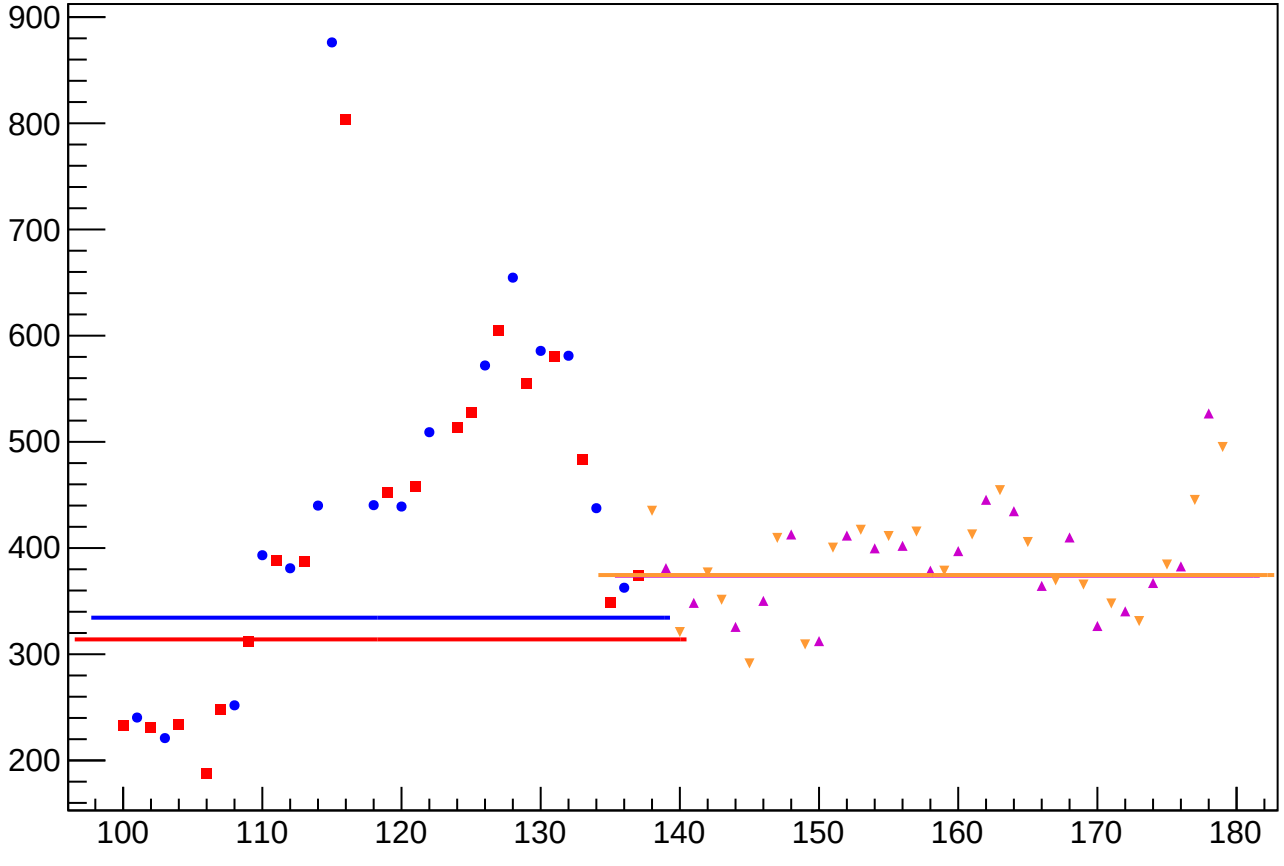
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -78.373+/-76.457 χ^2/NDF:37.2/35

Out: 164.979+/-73.048 χ^2/NDF:55.3/40

All: 48.848+/-52.817 χ^2/NDF: 97.8/76

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 374.568+/-0.064 χ^2/NDF:603208.5/21

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 374.008+/-0.066 χ^2/NDF:441011.6/19

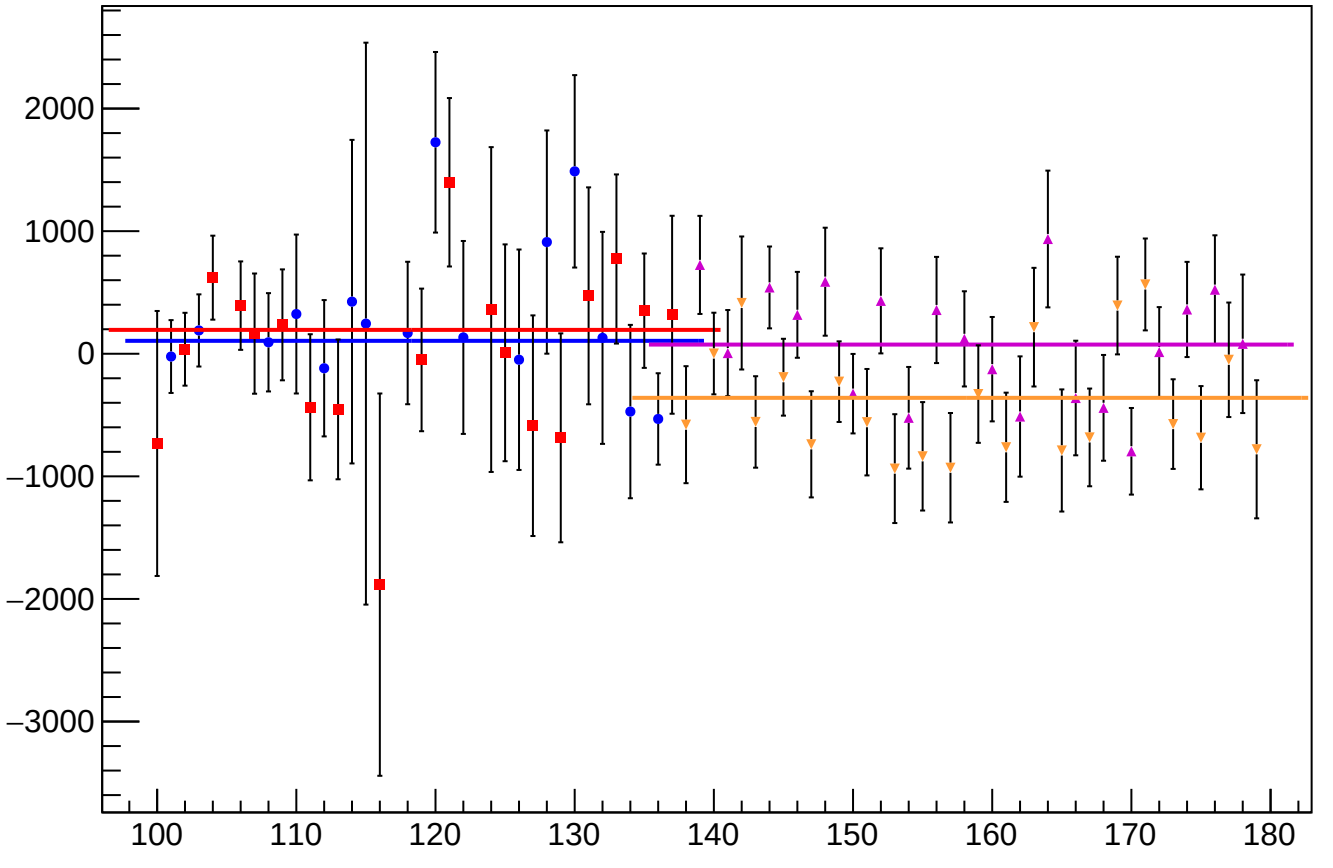
Left: 374.296+/-0.046 χ^2/NDF: 1044257.1/41

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 360.905+/-0.054 χ^2/NDF:2290302.7/35

Out: 353.300+/-0.052 χ^2/NDF:2821320.8/40

All: 356.929+/-0.037 χ^2/NDF: 5121968.6/76



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -359.610+/-87.872 χ^2/NDF:24.9/21

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 74.861+/-90.346 χ^2/NDF:25.2/19

Left: -148.406+/-62.991 χ^2/NDF: 61.9/41

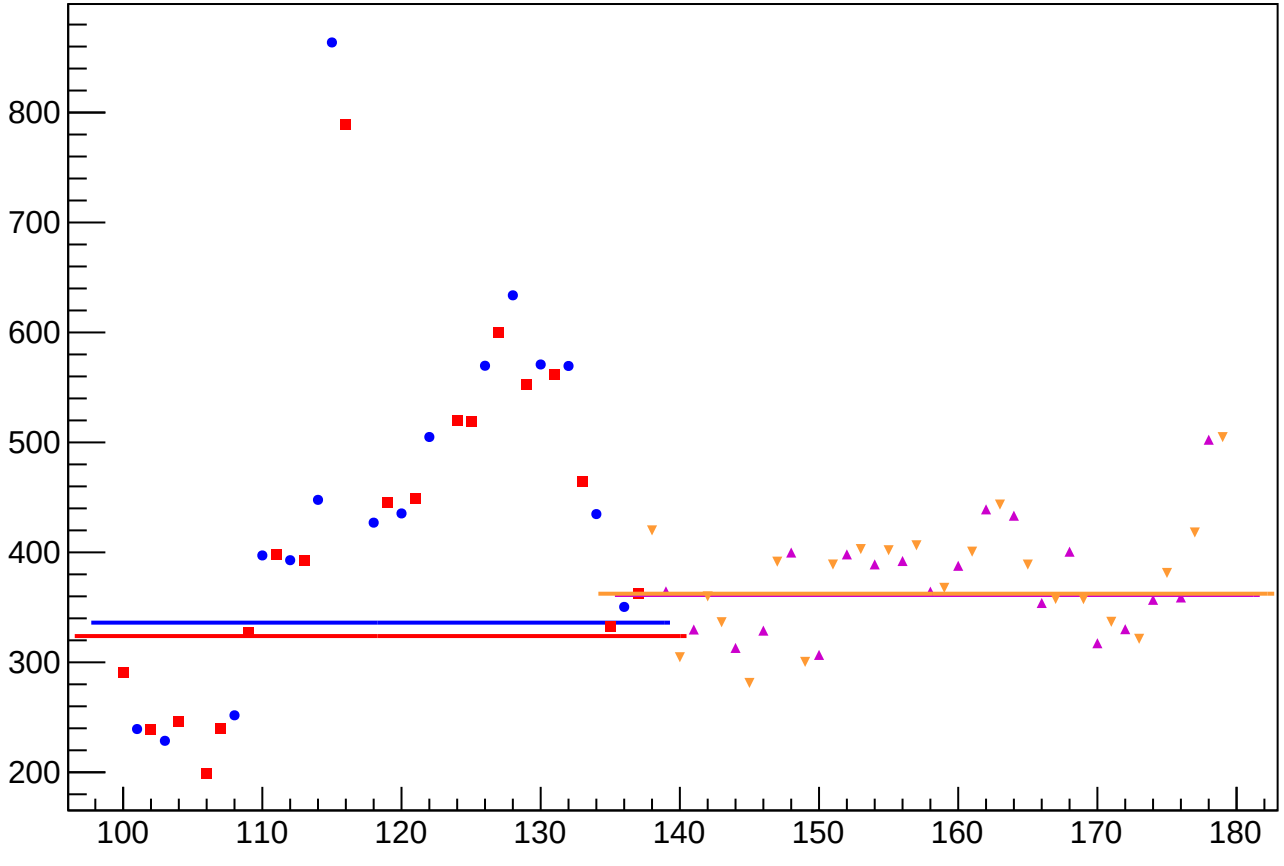
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 84.496+/-74.742 χ^2/NDF:38.2/35

Out: -178.611+/-72.113 χ^2/NDF:51.0/40

All: -51.768+/-51.896 χ^2/NDF: 95.6/76

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 362.410+/-0.062 χ^2/NDF:645162.3/21

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.232+/-0.064 χ^2/NDF:460043.3/19

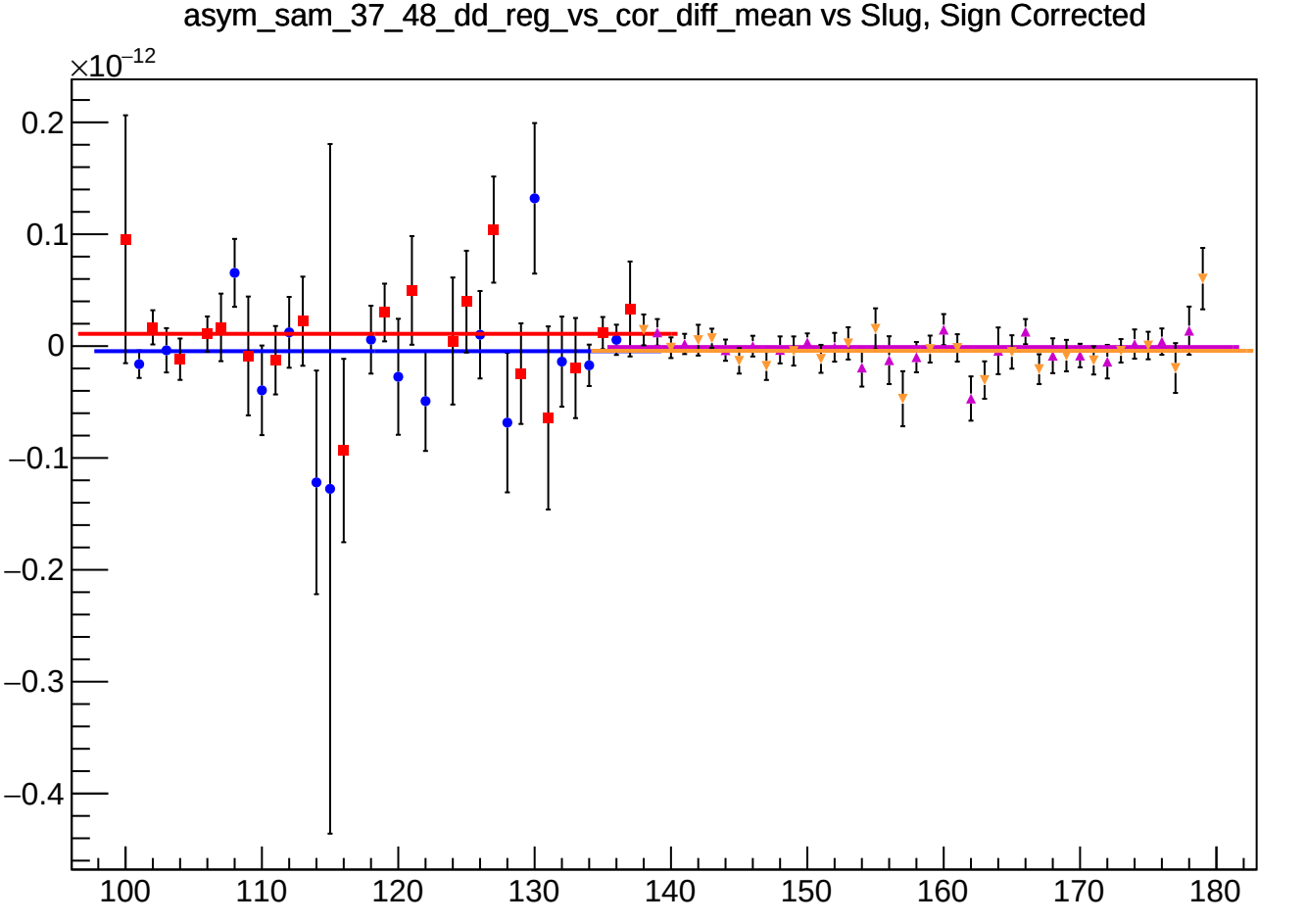
Left: 361.837+/-0.045 χ^2/NDF: 1105380.3/41

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 353.298+/-0.053 χ^2/NDF:2127914.7/35

Out: 349.831+/-0.051 χ^2/NDF:2436106.0/40

All: 351.502+/-0.037 χ^2/NDF: 4566249.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/19

Left: -0.000+/-0.000 χ^2/NDF: 36.1/41

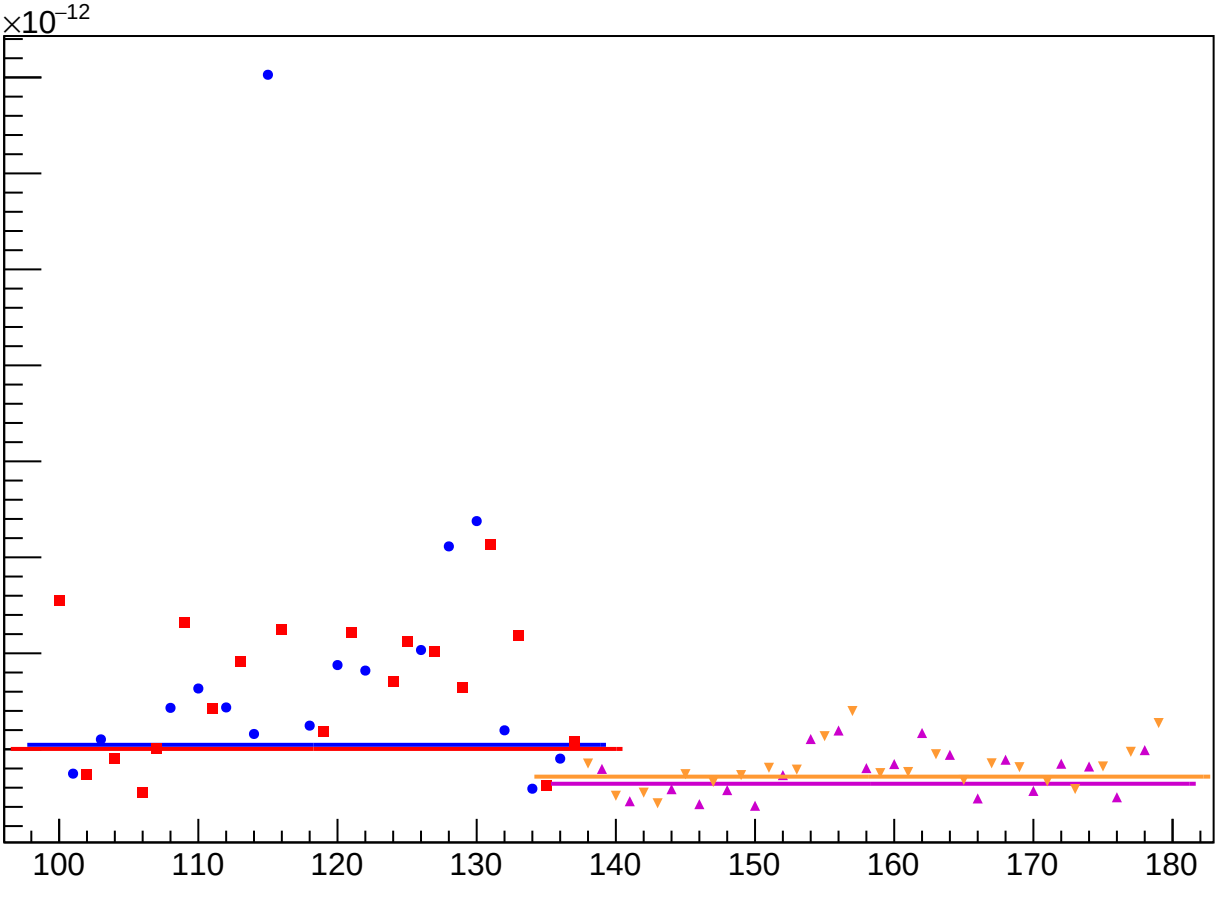
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.8/35

Out: -0.000+/-0.000 χ^2/NDF:38.4/40

All: -0.000+/-0.000 χ^2/NDF: 69.2/76

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:866111.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1203971.5/19

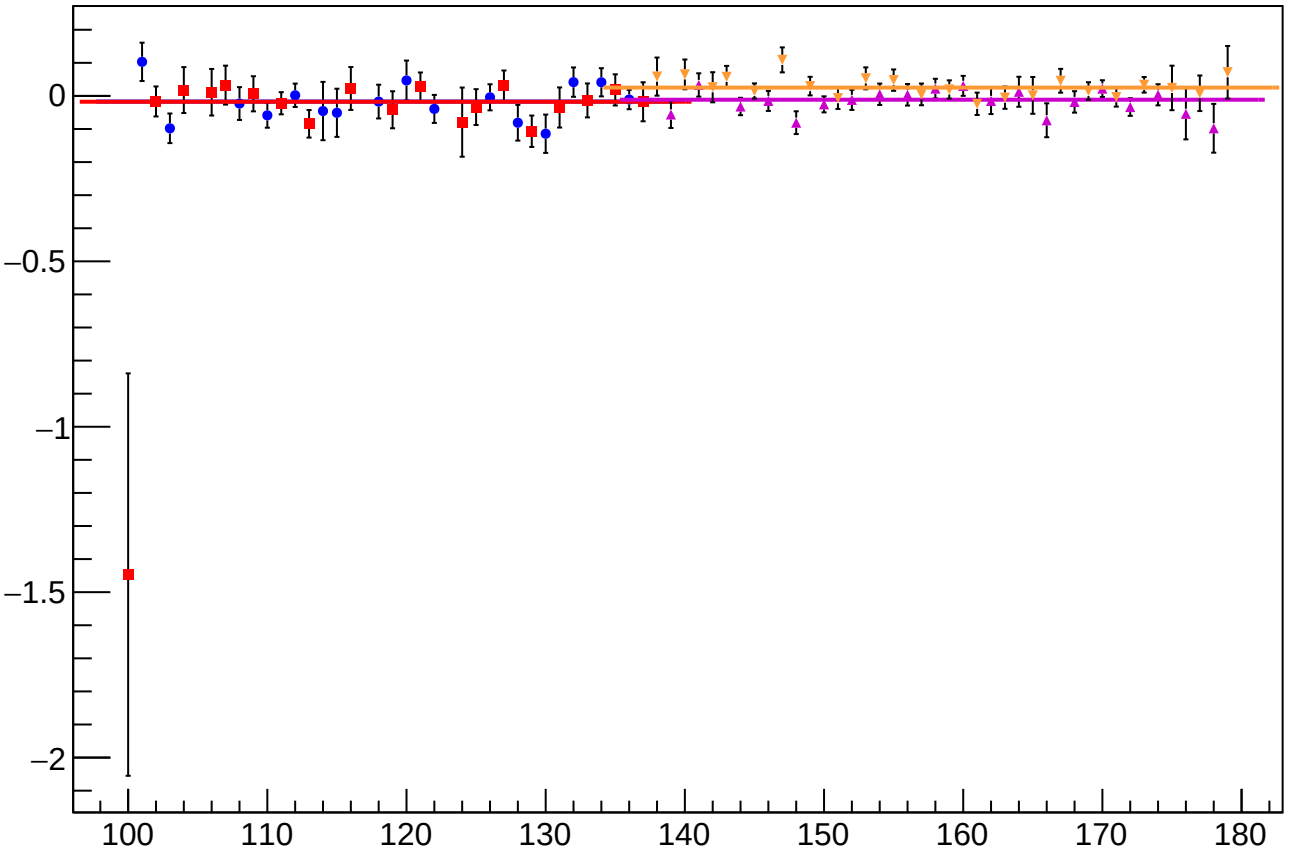
Left: 0.000+/-0.000 χ^2/NDF: 2141877.4/41

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3058030.3/35

Out: 0.000+/-0.000 χ^2/NDF:2623010.7/40

All: 0.000+/-0.000 χ^2/NDF: 5732034.4/76



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:17.6/19

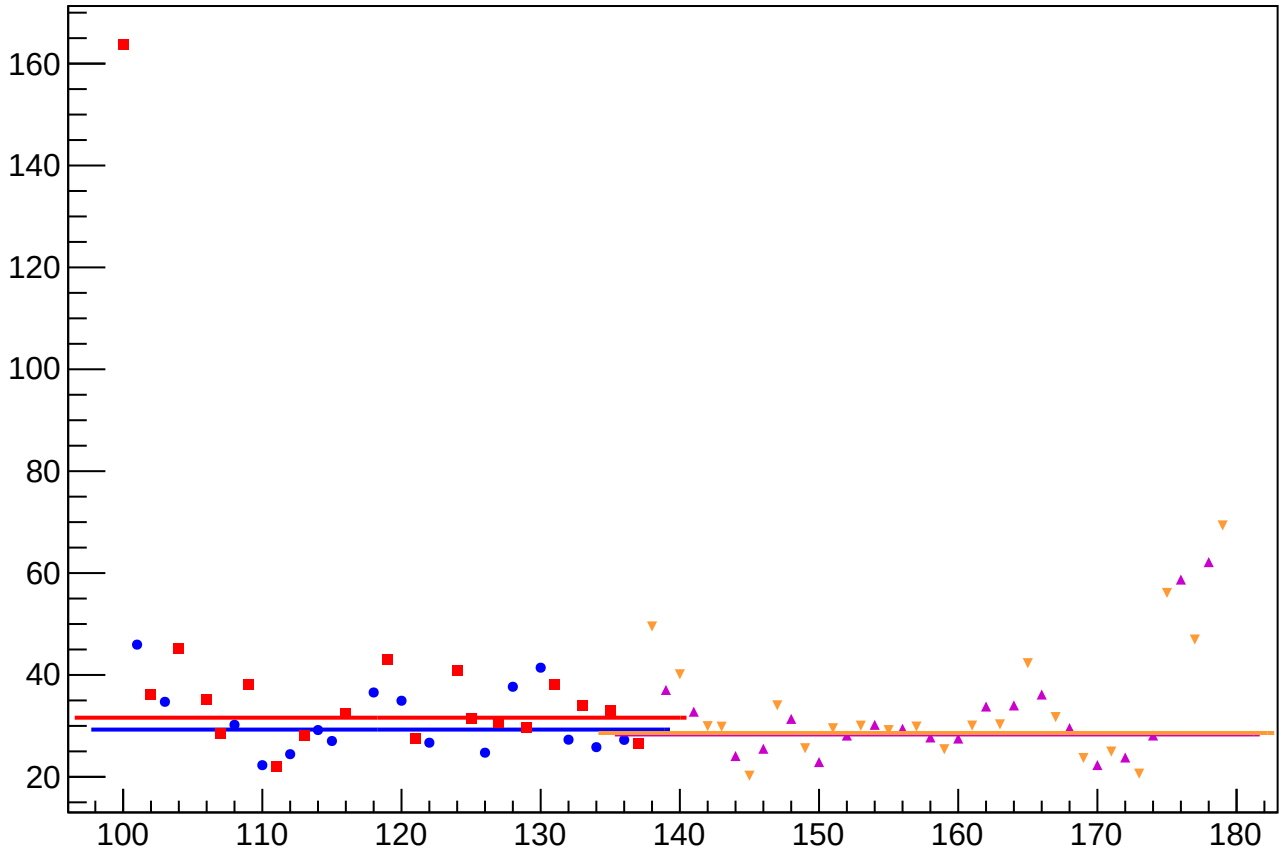
Left: 0.007+/-0.005 χ^2/NDF: 45.3/41

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.2/76



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337328.8/21

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.320+/-0.005 χ^2/NDF:1339642.1/19

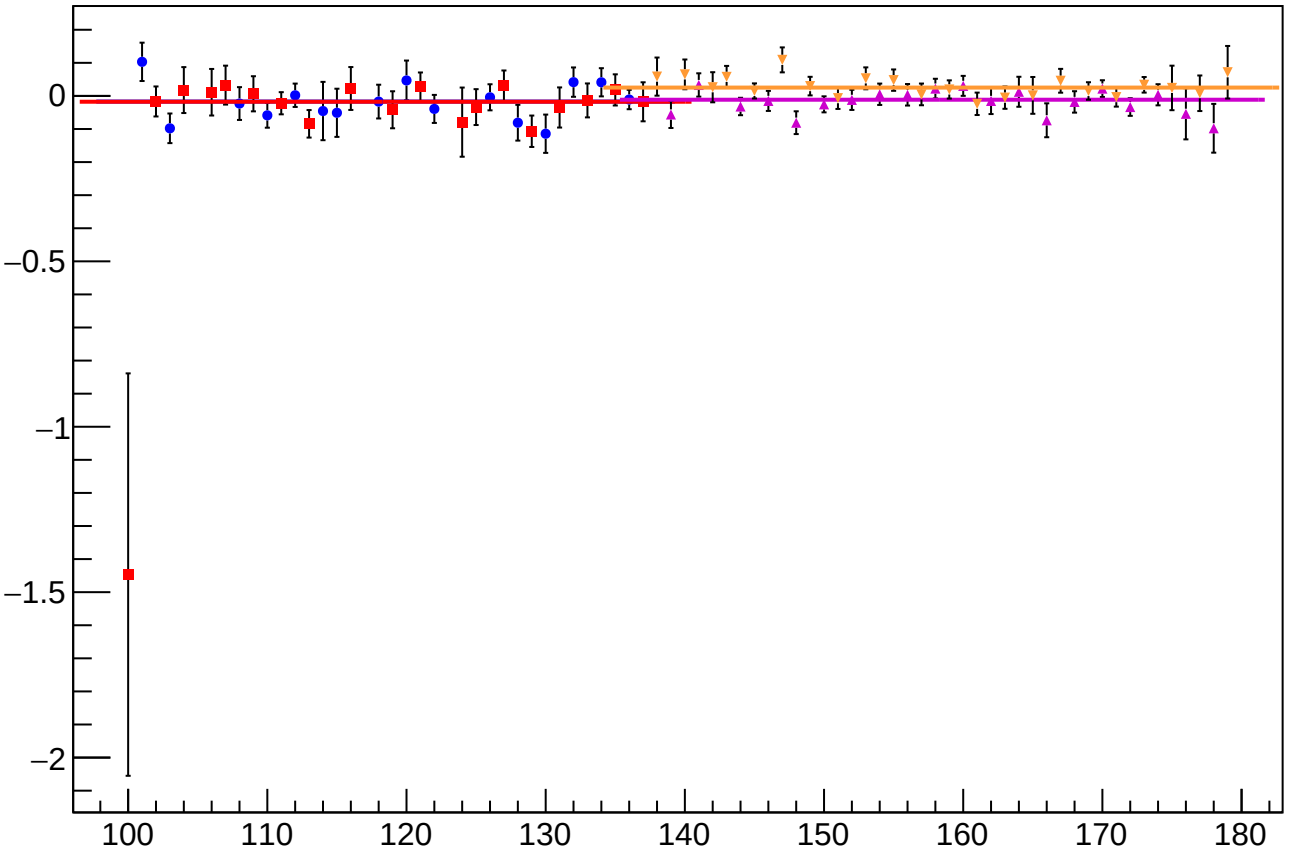
Left: 28.467+/-0.004 χ^2/NDF: 3678553.6/41

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.604+/-0.004 χ^2/NDF:1910349.3/35

Out: 29.399+/-0.004 χ^2/NDF:3000351.8/40

All: 29.000+/-0.003 χ^2/NDF: 4927229.7/76



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:17.6/19

Left: 0.007+/-0.005 χ^2/NDF: 45.3/41

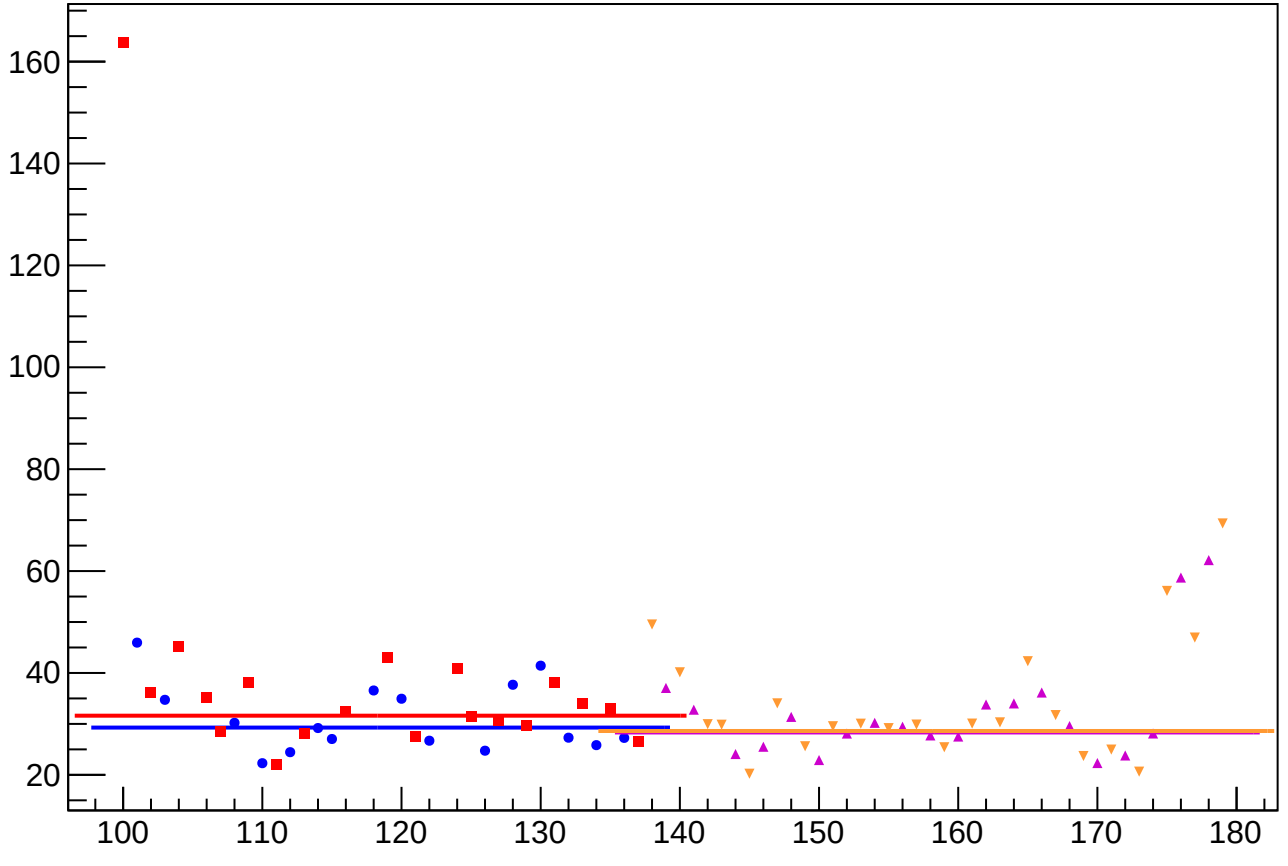
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.2/76

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337328.8/21

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.320+/-0.005 χ^2/NDF:1339642.1/19

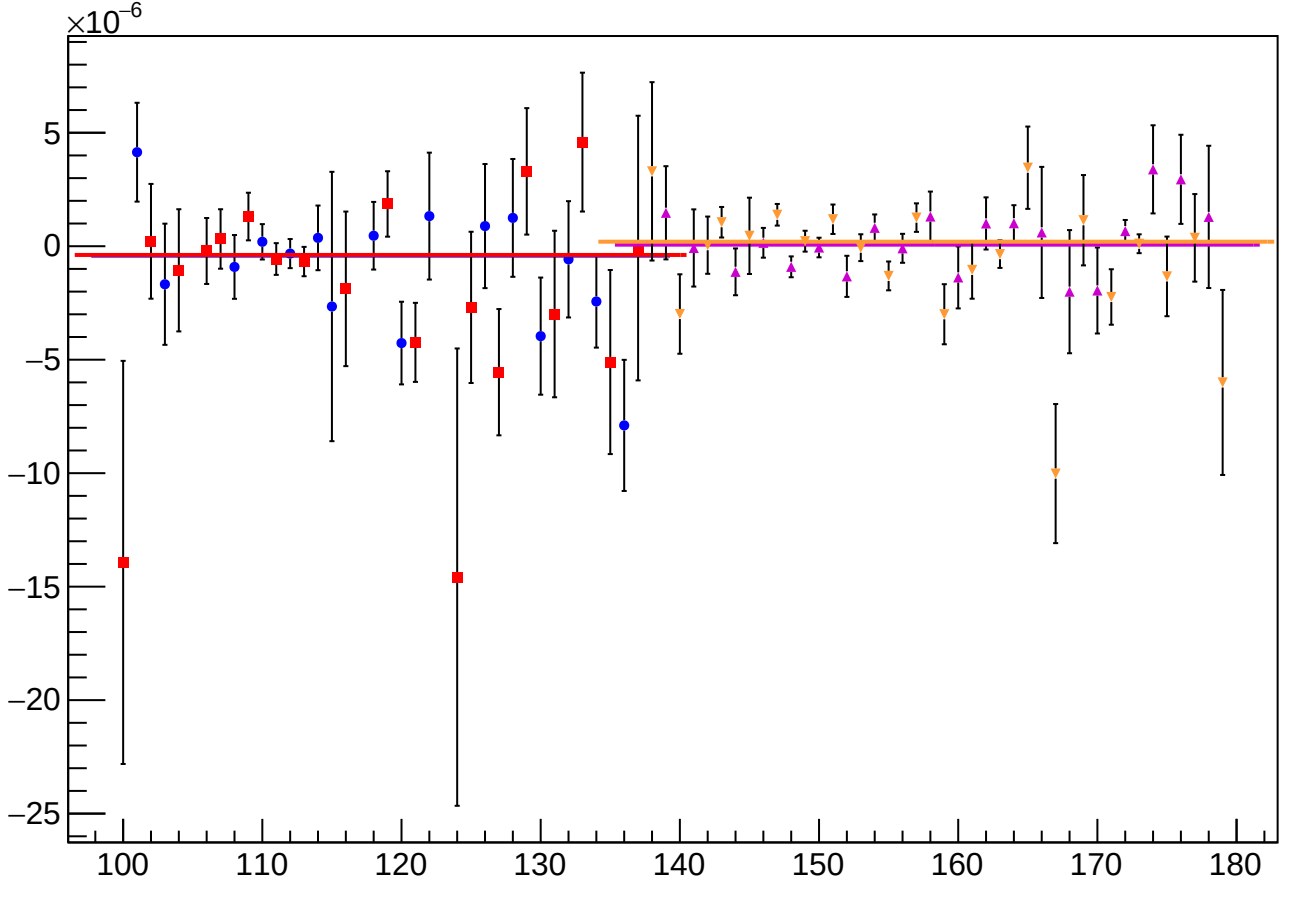
Left: 28.467+/-0.004 χ^2/NDF: 3678553.6/41

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.604+/-0.004 χ^2/NDF:1910349.3/35

Out: 29.399+/-0.004 χ^2/NDF:3000351.8/40

All: 29.000+/-0.003 χ^2/NDF: 4927229.7/76



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.4/19

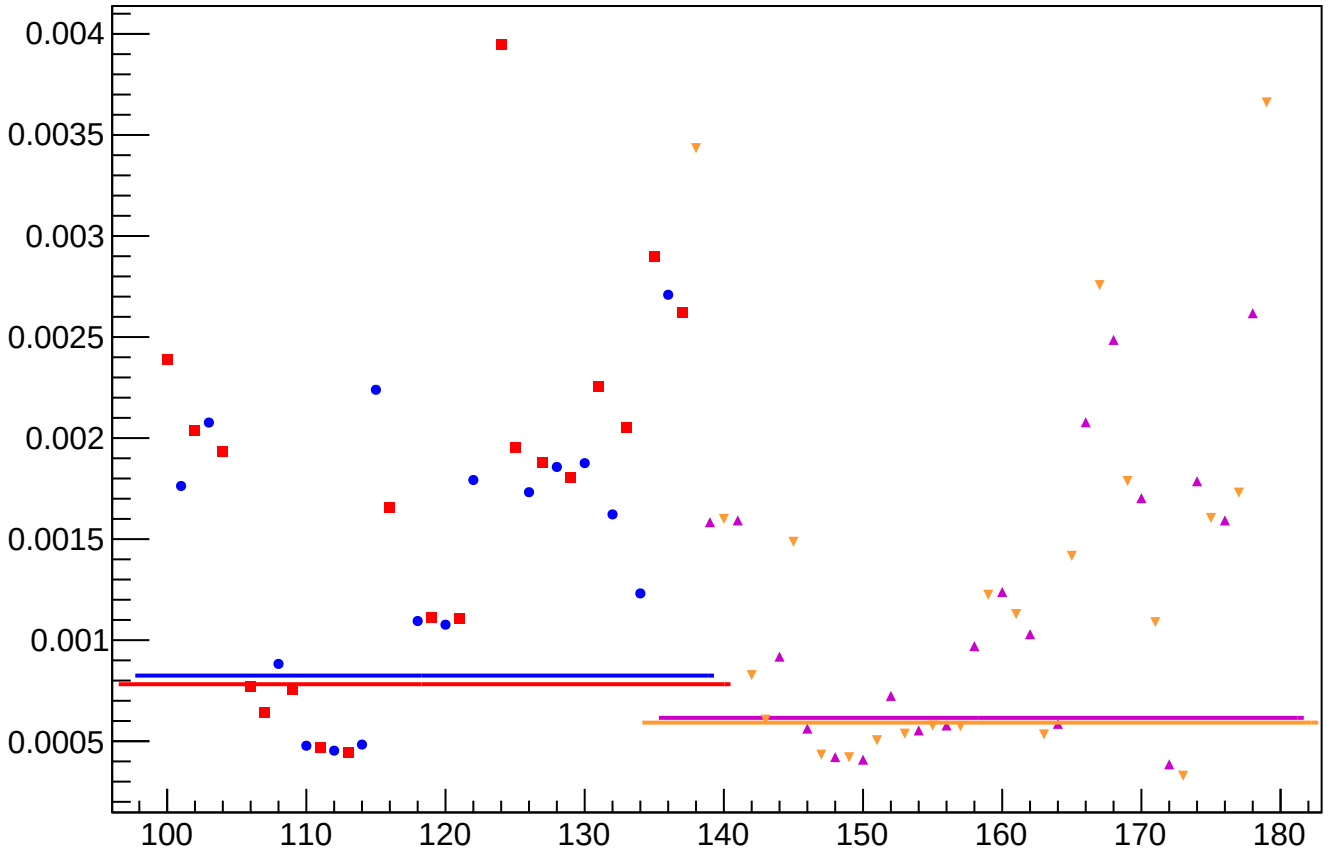
Left: 0.000+/-0.000 χ^2/NDF: 75.8/41

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:46.0/35

Out: 0.000+/-0.000 χ^2/NDF:79.7/40

All: 0.000+/-0.000 χ^2/NDF: 125.9/76



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9497438.0/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7655324.9/19

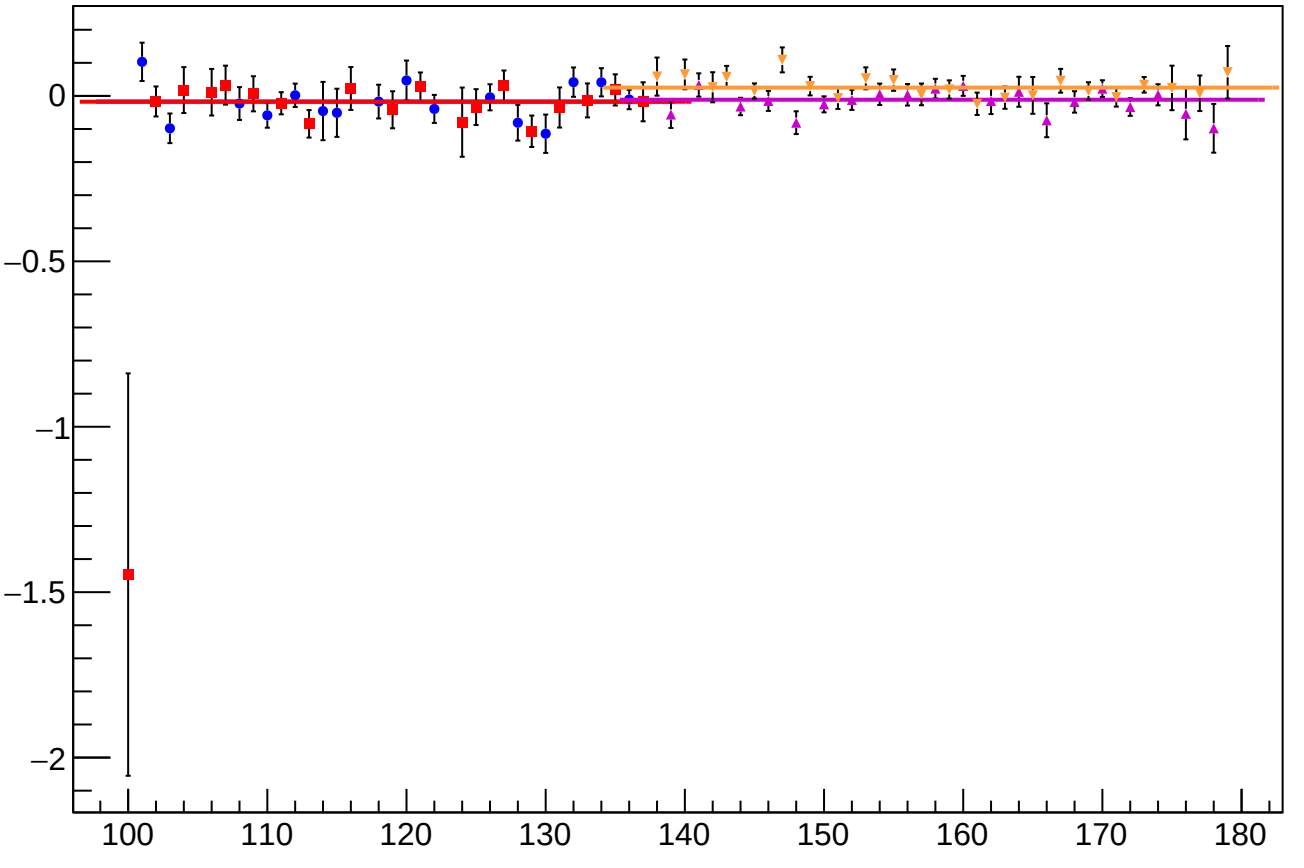
Left: 0.001+/-0.000 χ^2/NDF: 17170395.6/41

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:12615133.7/35

Out: 0.001+/-0.000 χ^2/NDF:14615608.5/40

All: 0.001+/-0.000 χ^2/NDF: 27262778.8/76



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:17.6/19

Left: 0.007+/-0.005 χ^2/NDF: 45.3/41

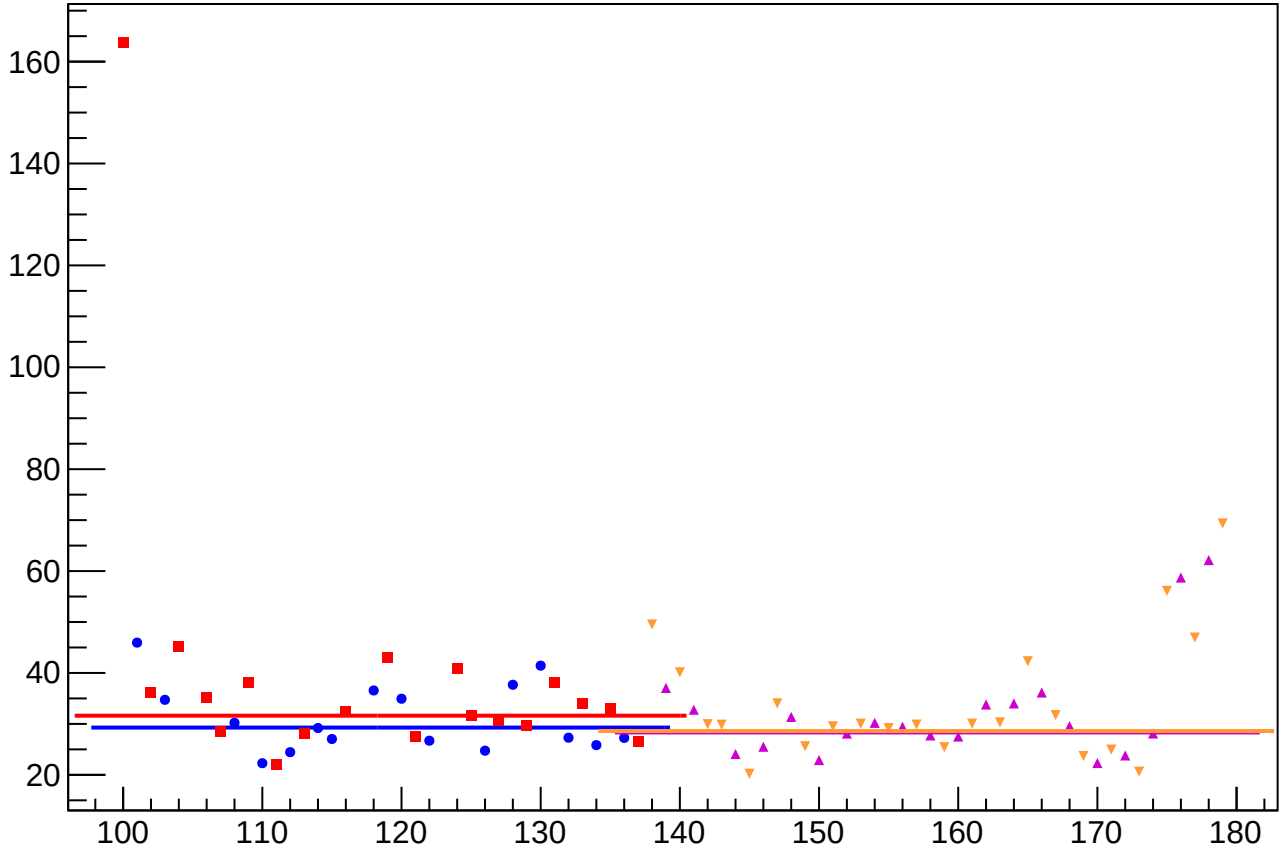
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.2/76

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337385.2/21

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.319+/-0.005 χ^2/NDF:1339606.7/19

Left: 28.467+/-0.004 χ^2/NDF: 3678574.3/41

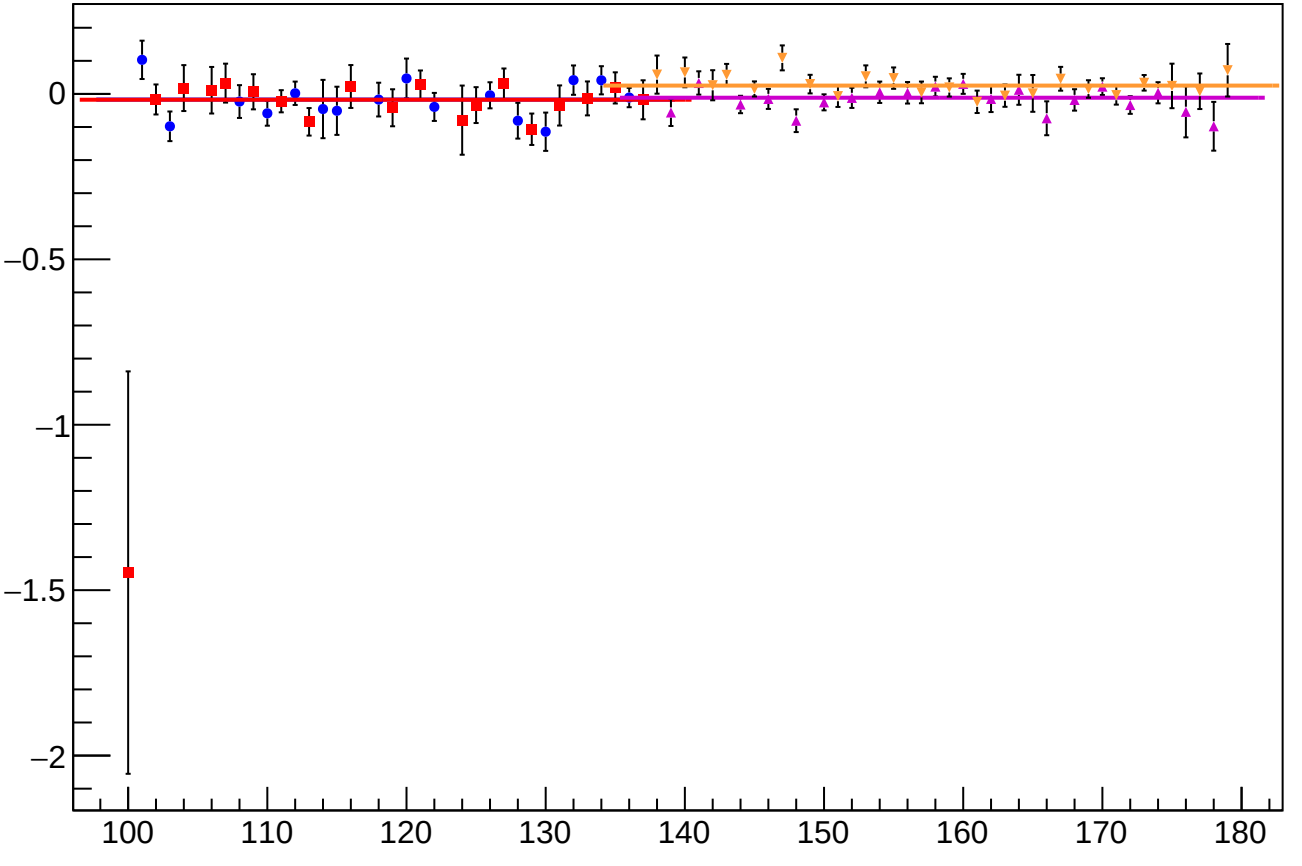
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.604+/-0.004 χ^2/NDF:1910319.7/35

Out: 29.399+/-0.004 χ^2/NDF:3000433.3/40

All: 29.000+/-0.003 χ^2/NDF: 4927281.0/76

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:15.0/21

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:17.6/19

Left: 0.007+/-0.005 χ^2/NDF: 45.3/41

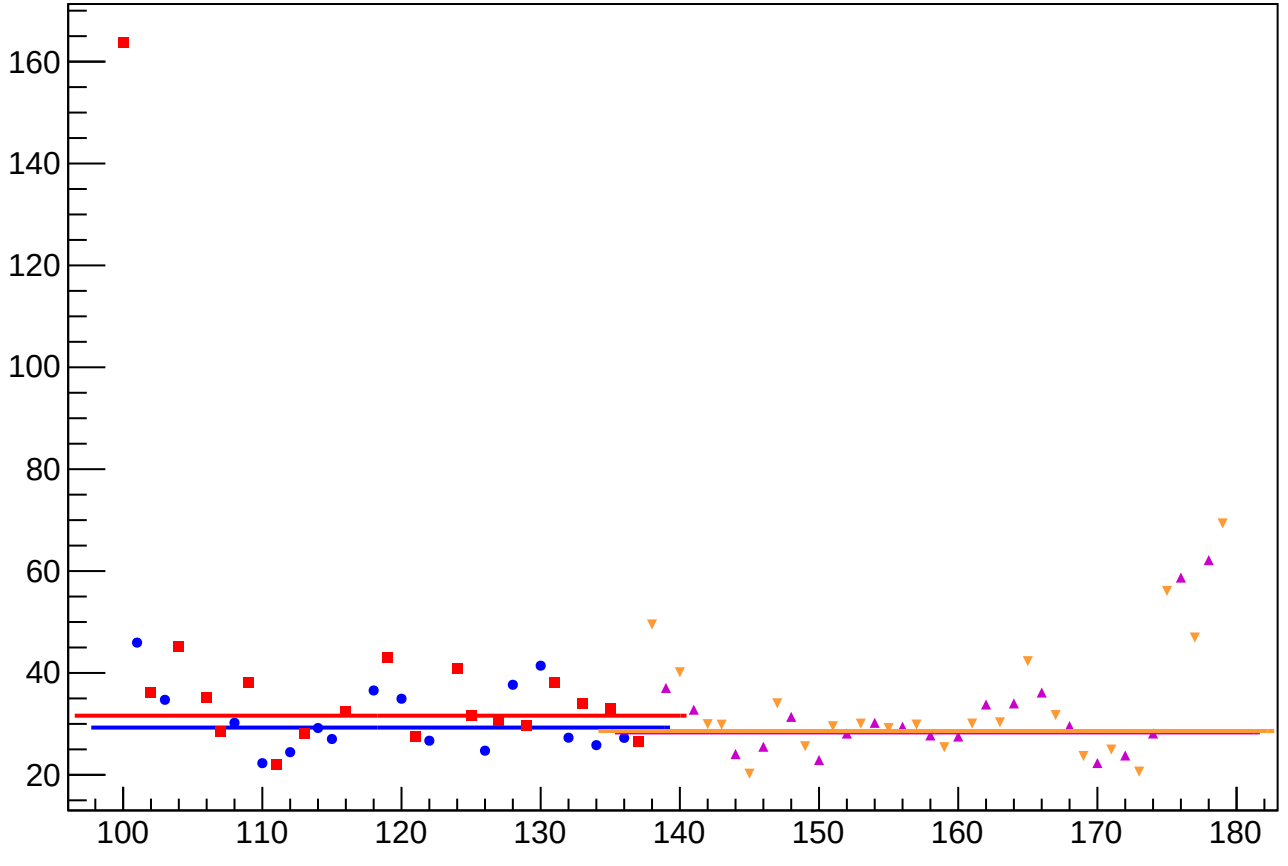
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:41.0/40

All: 0.000+/-0.004 χ^2/NDF: 87.2/76

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.610+/-0.005 χ^2/NDF:2337385.2/21

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.319+/-0.005 χ^2/NDF:1339606.7/19

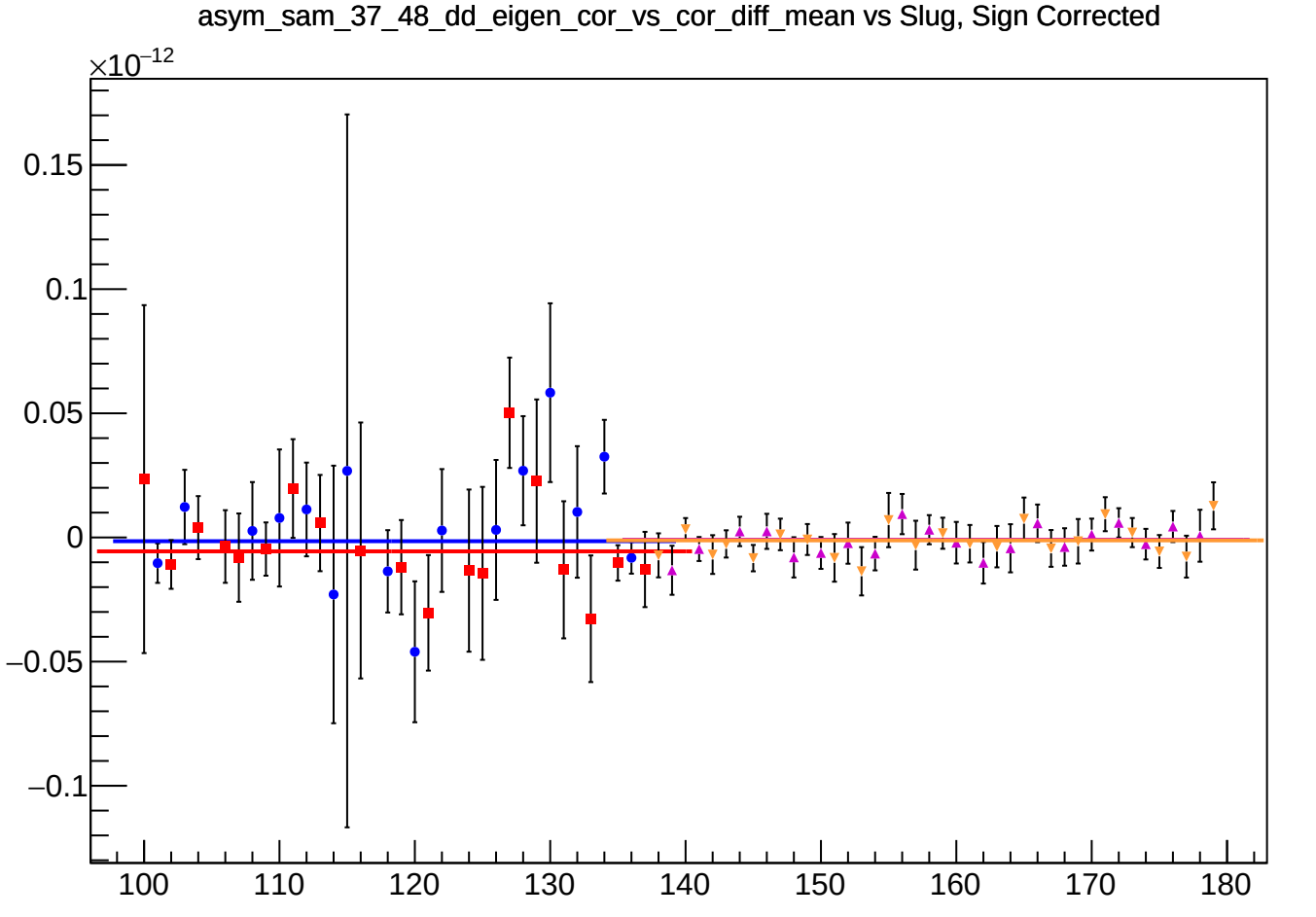
Left: 28.467+/-0.004 χ^2/NDF: 3678574.3/41

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.604+/-0.004 χ^2/NDF:1910319.7/35

Out: 29.399+/-0.004 χ^2/NDF:3000433.3/40

All: 29.000+/-0.003 χ^2/NDF: 4927281.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/19

Left: -0.000+/-0.000 χ^2/NDF: 25.8/41

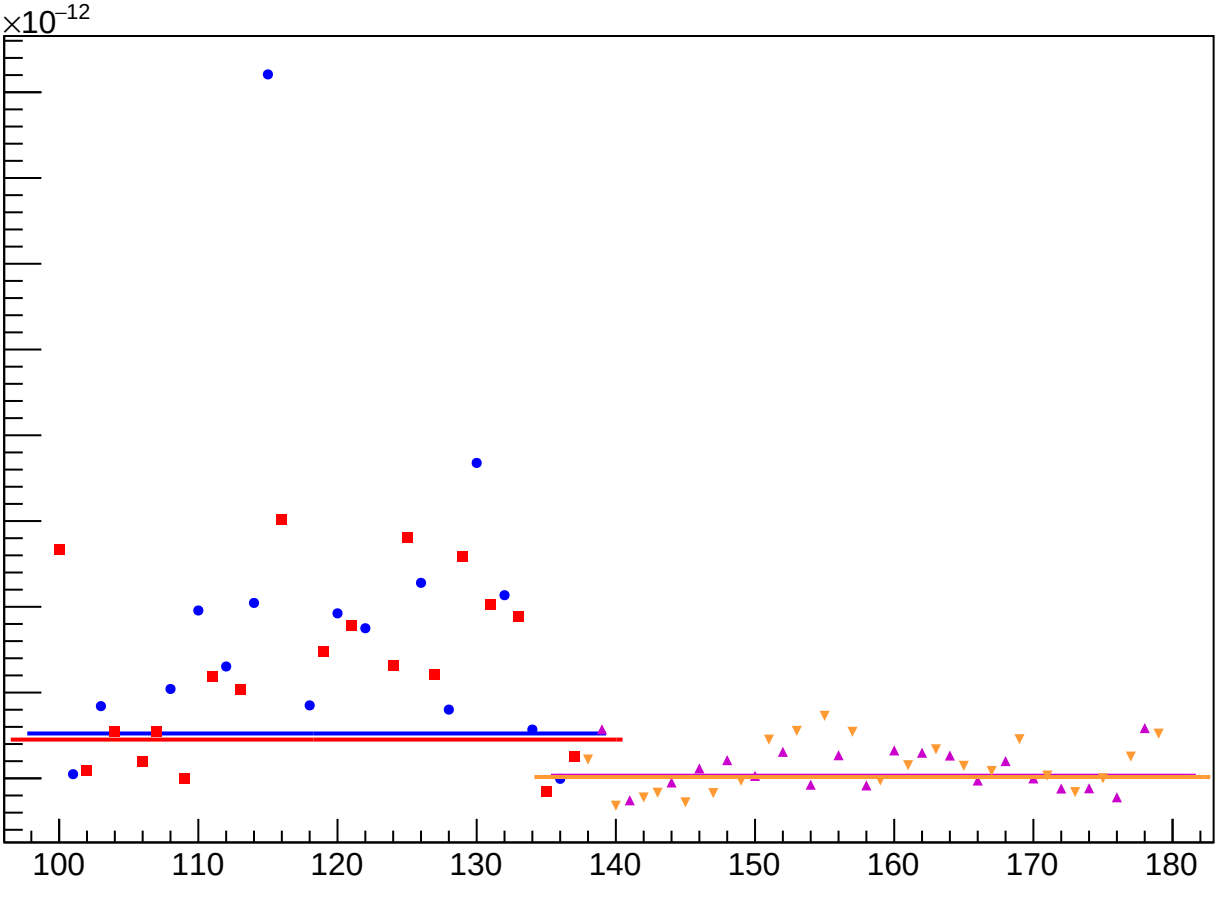
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:28.5/35

Out: -0.000+/-0.000 χ^2/NDF:28.8/40

All: -0.000+/-0.000 χ^2/NDF: 57.4/76

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1678681.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:951644.3/19

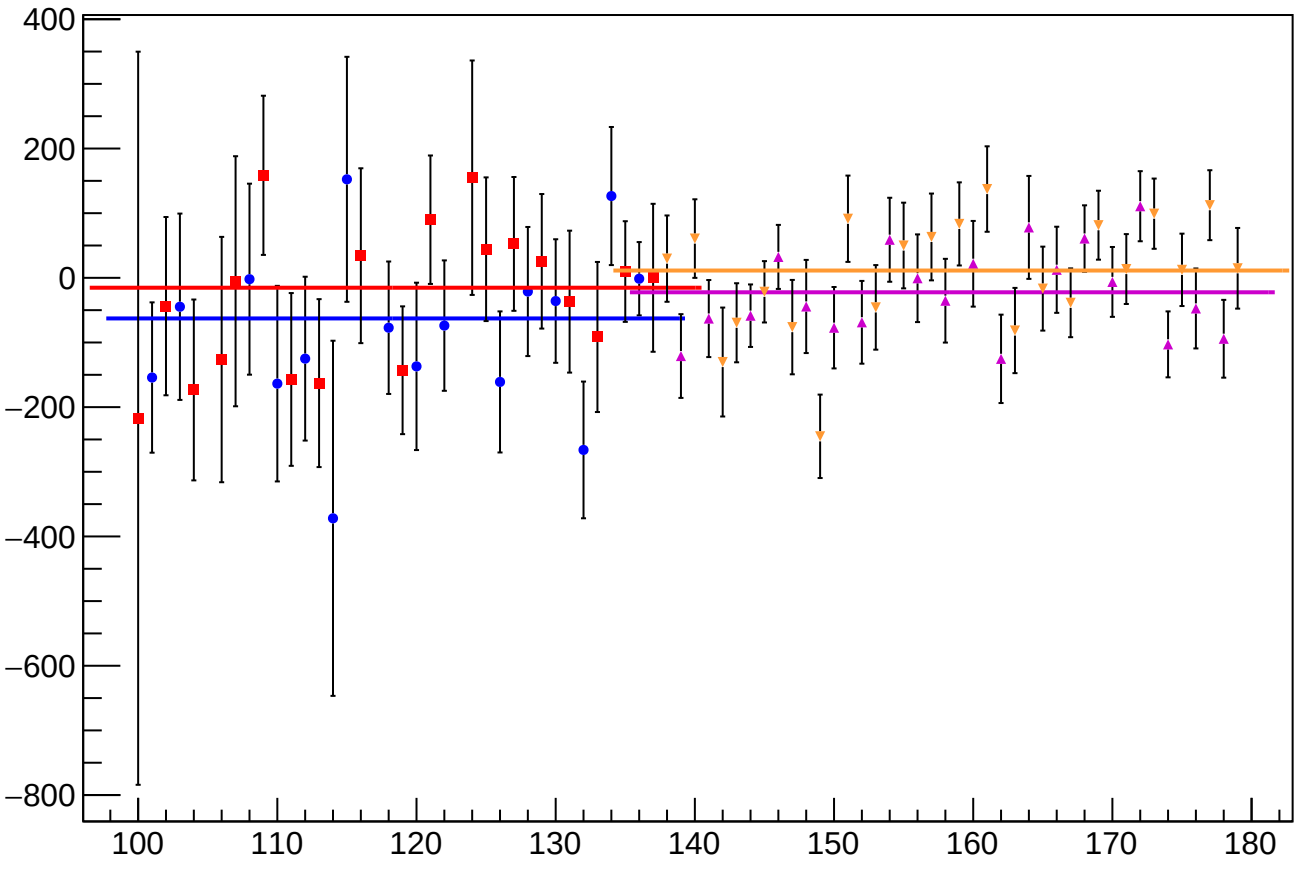
Left: 0.000+/-0.000 χ^2/NDF: 2632747.4/41

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3684447.0/35

Out: 0.000+/-0.000 χ^2/NDF:4287387.0/40

All: 0.000+/-0.000 χ^2/NDF: 7977691.1/76



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -22.354+/-13.428 χ^2/NDF:25.0/19

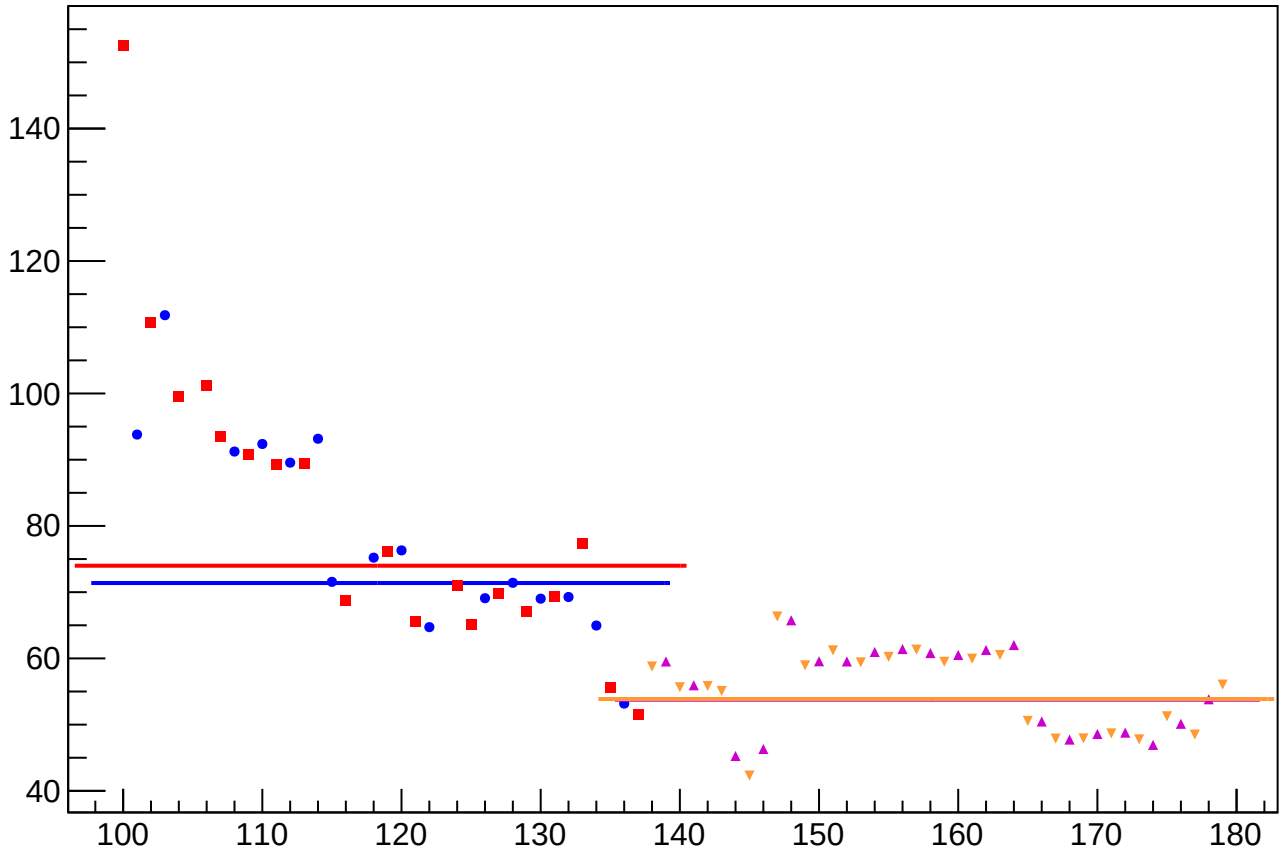
Left: -4.966+/-9.337 χ^2/NDF: 70.2/41

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -30.273+/-12.042 χ^2/NDF:40.3/35

Out: 6.533+/-11.767 χ^2/NDF:54.2/40

All: -11.446+/-8.416 χ^2/NDF: 99.3/76



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

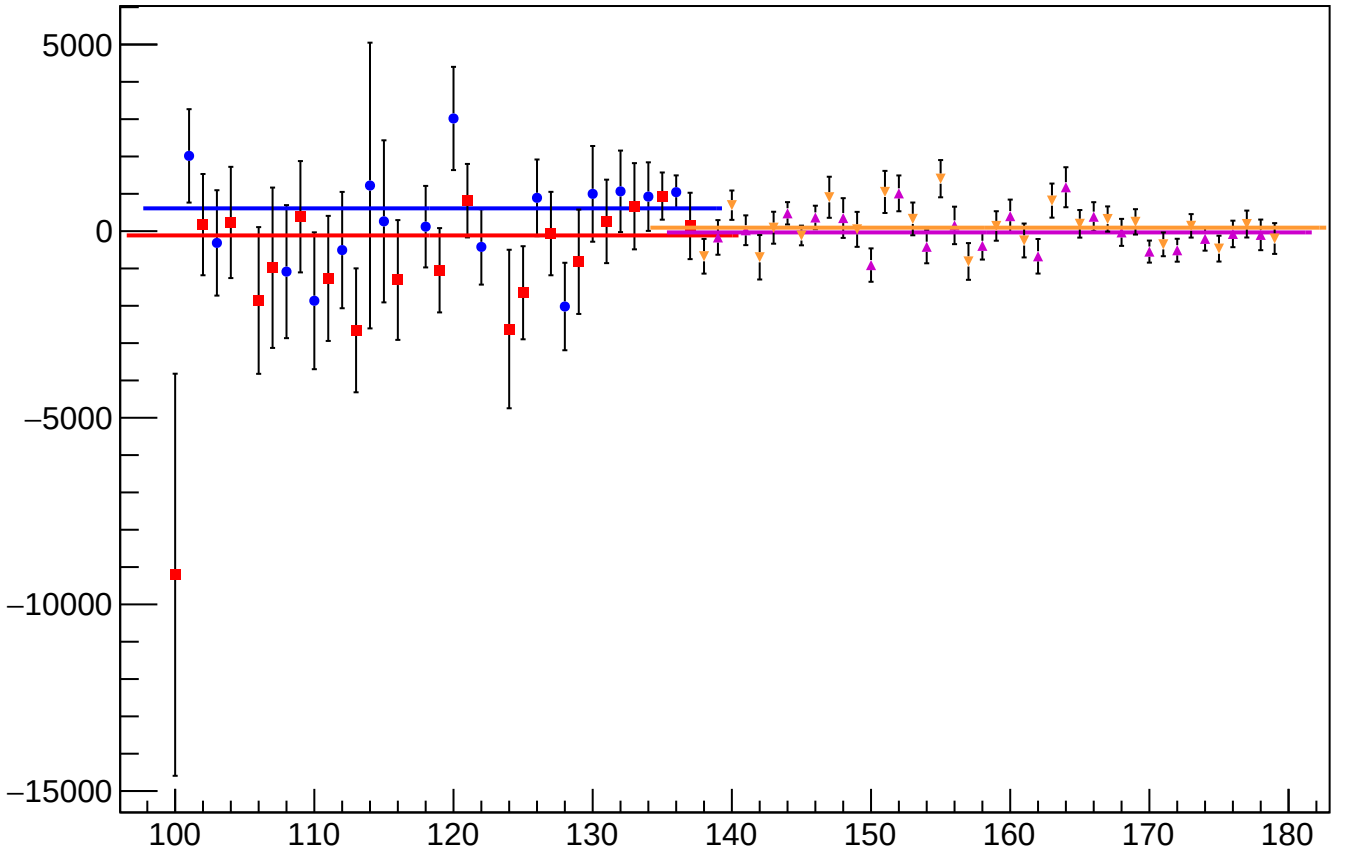
Left: 53.814+/-0.007 χ^2/NDF: 927919.4/41

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 57.209+/-0.009 χ^2/NDF:1730122.1/35

Out: 57.481+/-0.008 χ^2/NDF:1963739.8/40

All: 57.348+/-0.006 χ^2/NDF: 3694383.6/76



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -33.964+/-86.099 χ^2/NDF:30.5/19

Left: 31.001+/-60.224 χ^2/NDF: 63.8/41

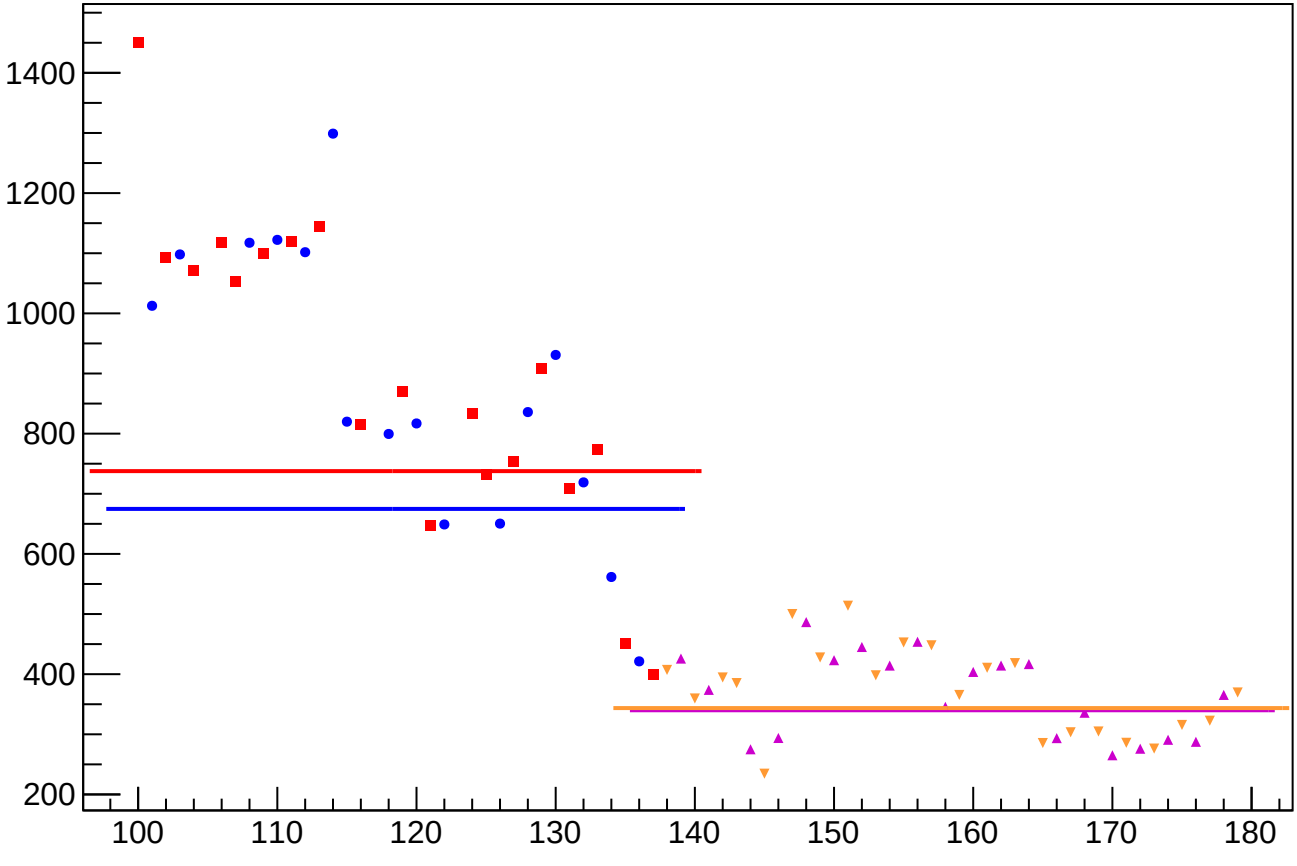
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 26.826+/-81.938 χ^2/NDF:51.5/35

Out: 76.449+/-80.796 χ^2/NDF:48.2/40

All: 51.986+/-57.531 χ^2/NDF: 99.9/76

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434076.4/21

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 339.995+/-0.061 χ^2/NDF:1174069.4/19

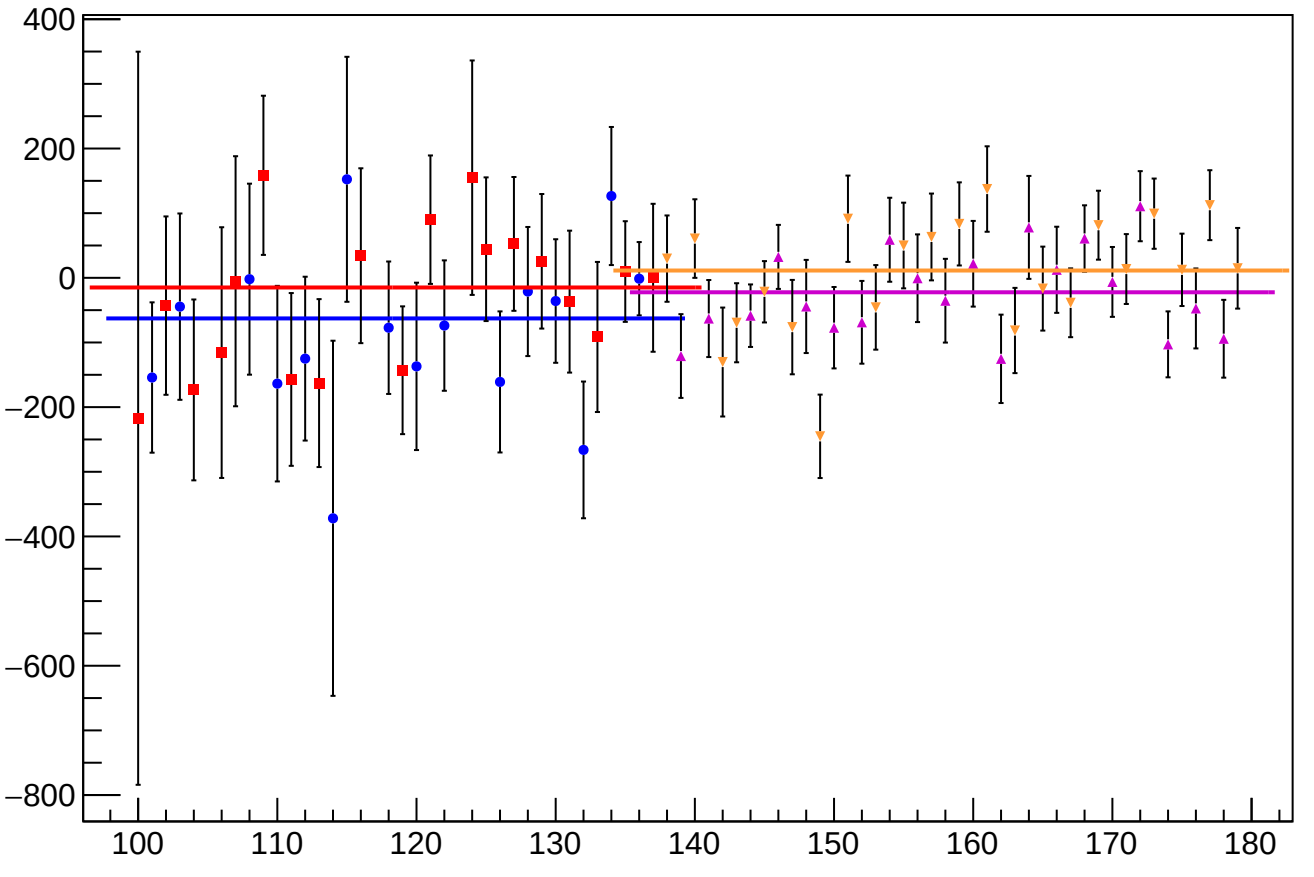
Left: 341.839+/-0.043 χ^2/NDF: 2609942.6/41

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 371.576+/-0.058 χ^2/NDF:5644594.0/35

Out: 375.430+/-0.057 χ^2/NDF:6482760.7/40

All: 373.530+/-0.041 χ^2/NDF: 12129598.7/76



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.353+/-13.428 χ^2/NDF:25.0/19

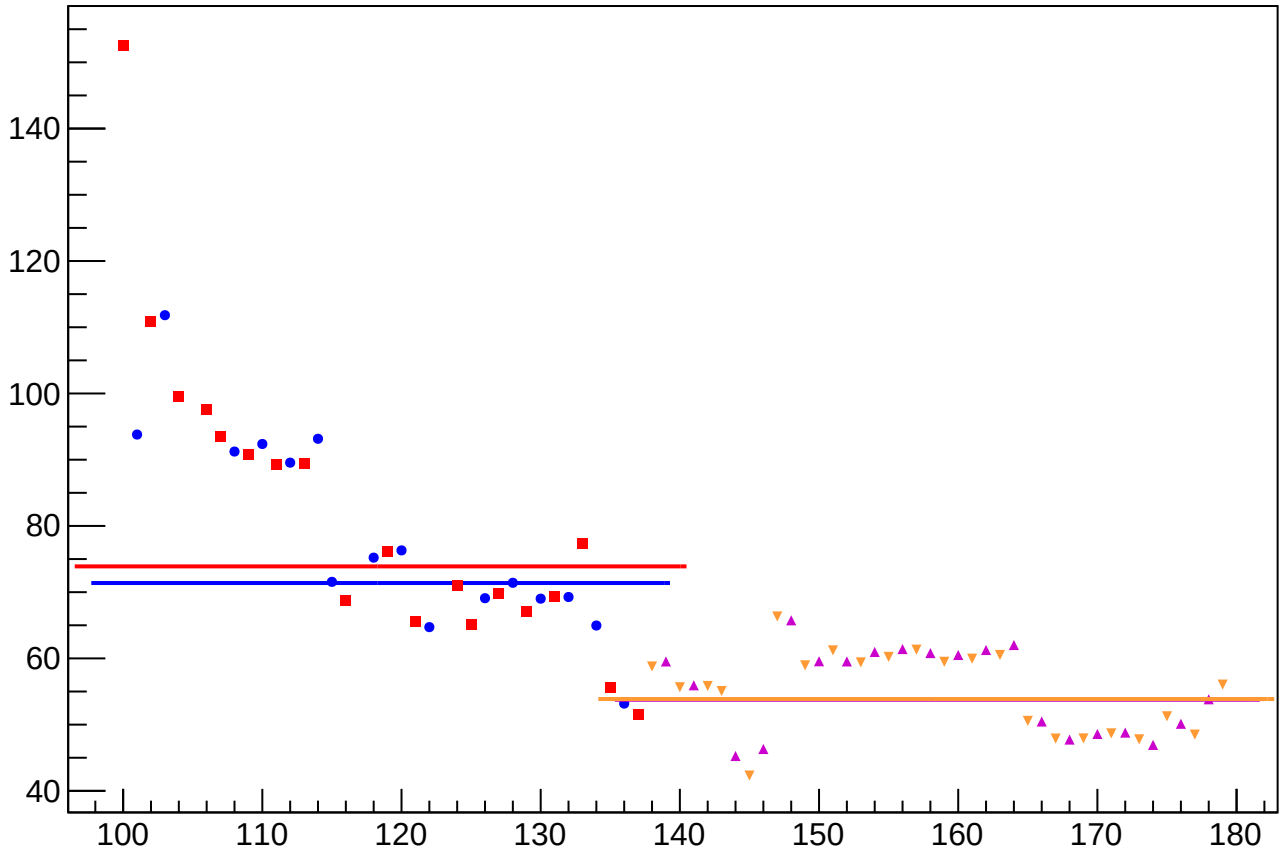
Left: -4.965+/-9.337 χ^2/NDF: 70.2/41

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -30.271+/-12.042 χ^2/NDF:40.3/35

Out: 6.601+/-11.768 χ^2/NDF:54.1/40

All: -11.411+/-8.416 χ^2/NDF: 99.2/76



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

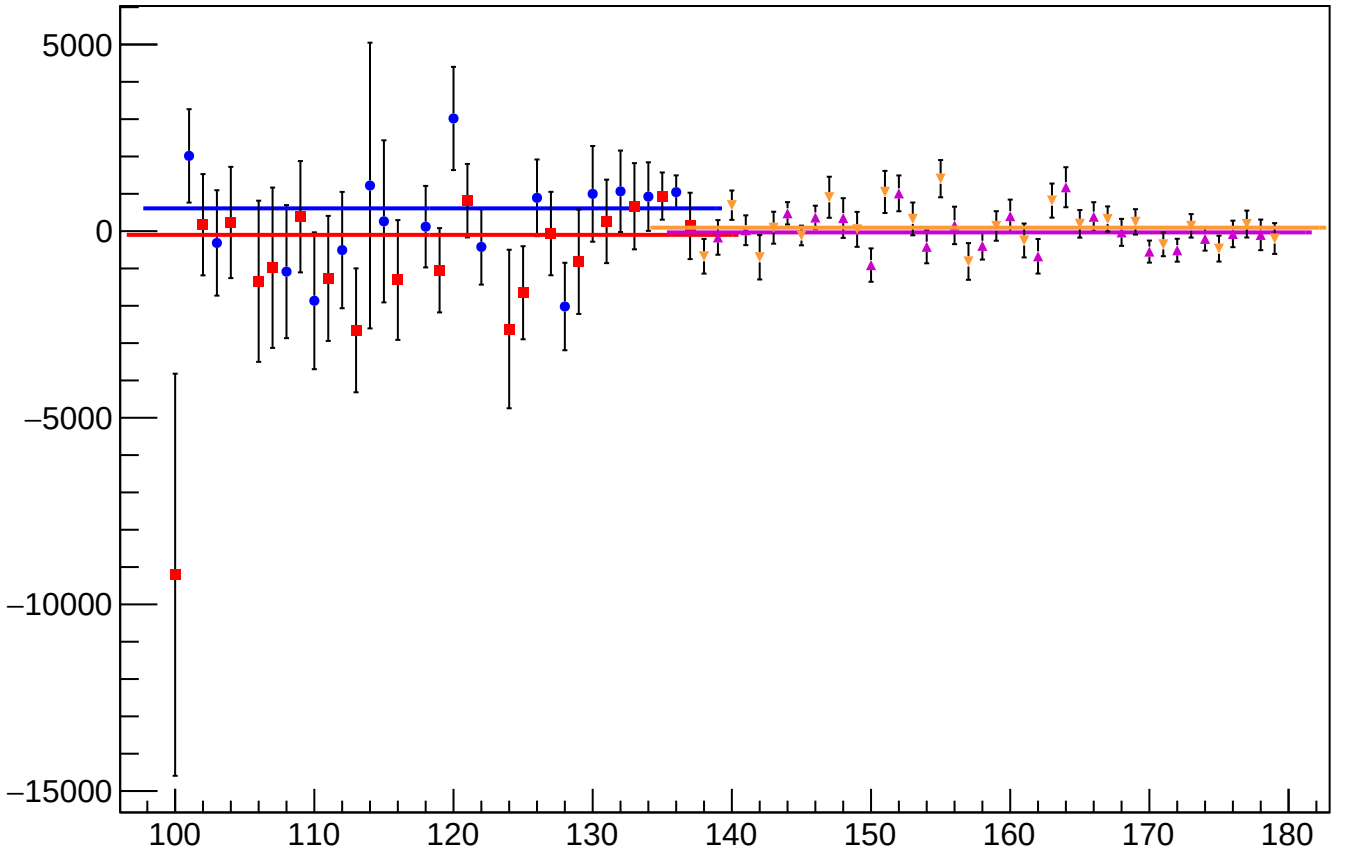
Left: 53.814+/-0.007 χ^2/NDF: 927919.4/41

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.209+/-0.009 χ^2/NDF:1730124.7/35

Out: 57.460+/-0.008 χ^2/NDF:1943118.9/40

All: 57.337+/-0.006 χ^2/NDF: 3673688.7/76



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -33.965+/-86.099 χ^2/NDF:30.5/19

Left: 31.000+/-60.224 χ^2/NDF: 63.8/41

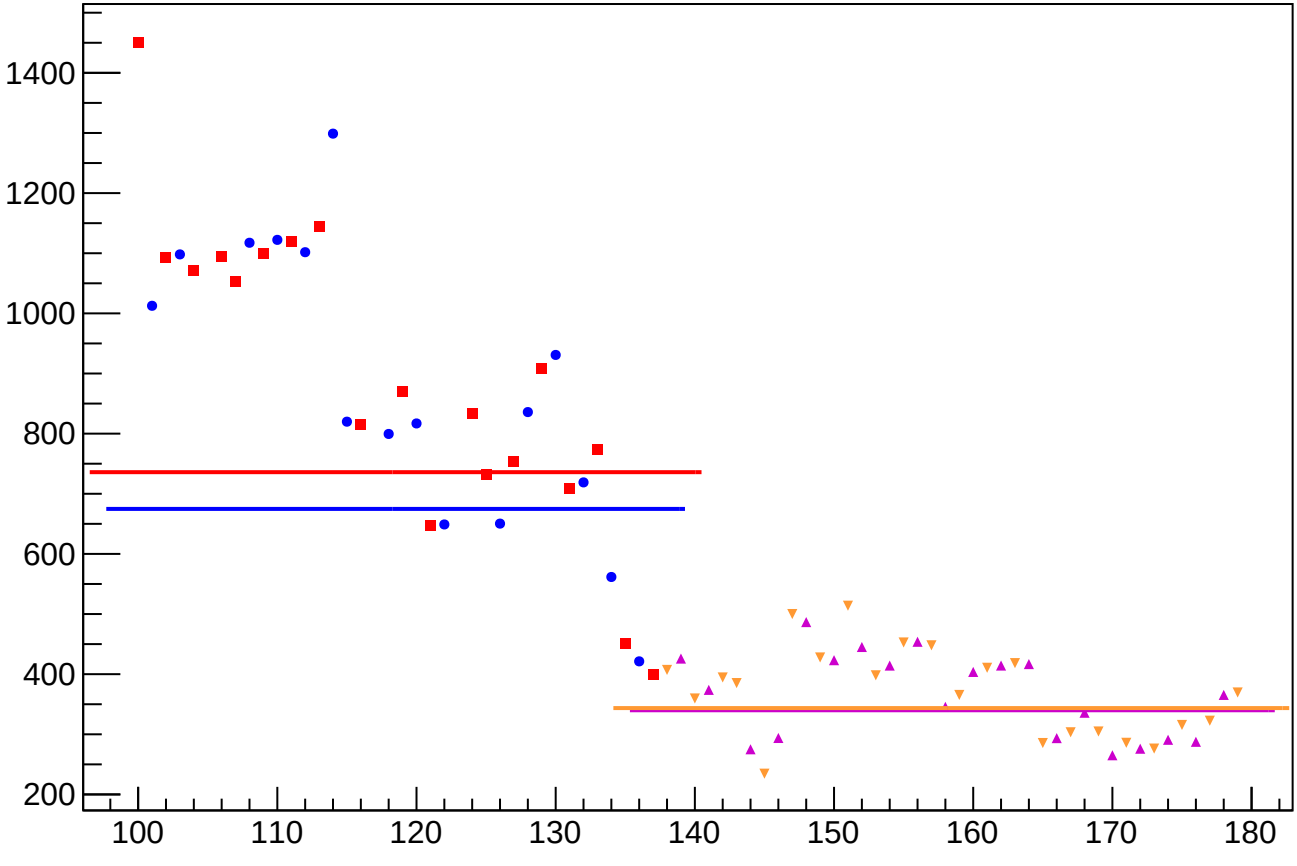
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 26.824+/-81.938 χ^2/NDF:51.5/35

Out: 77.718+/-80.808 χ^2/NDF:47.7/40

All: 52.624+/-57.535 χ^2/NDF: 99.4/76

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 339.995+/-0.061 χ^2/NDF:1174079.7/19

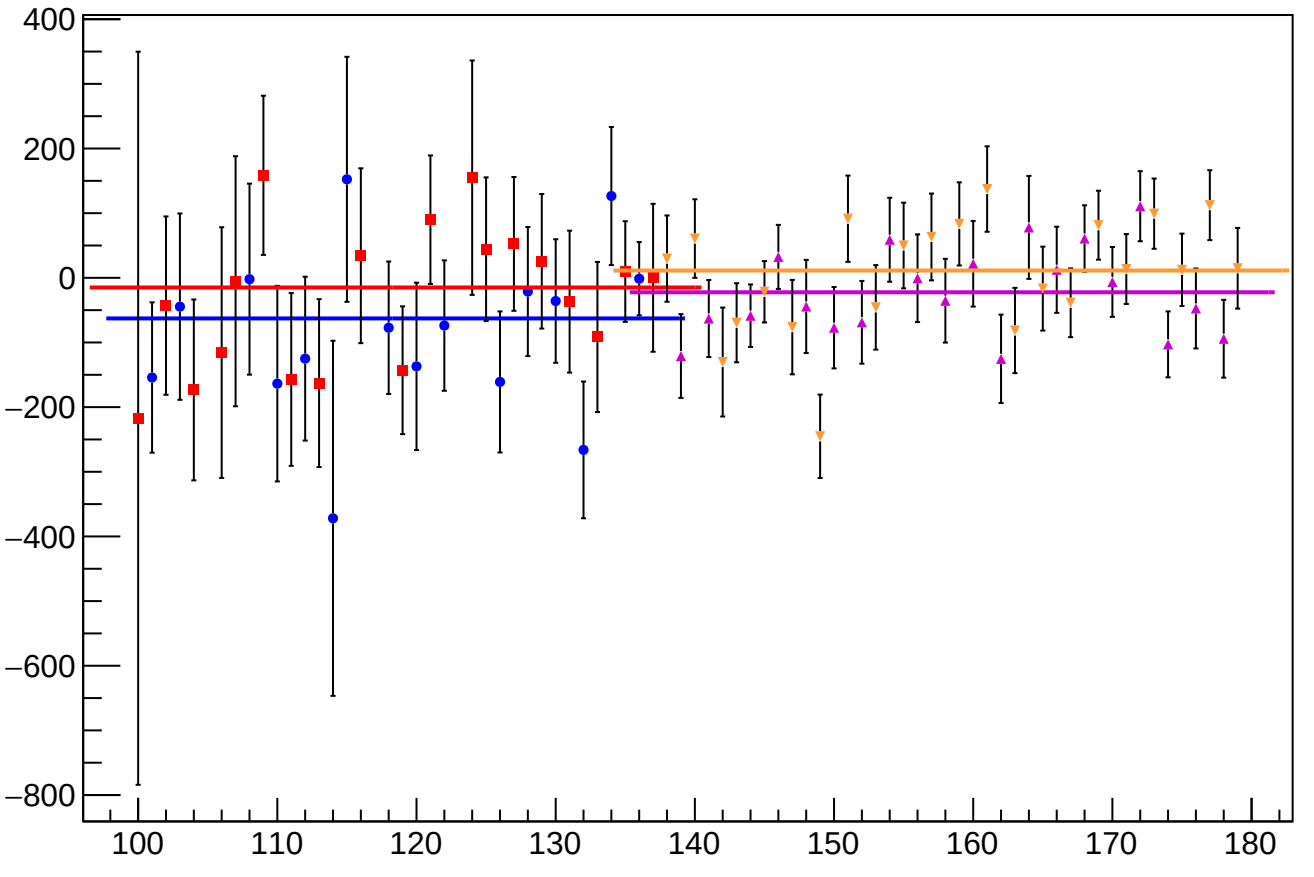
Left: 341.839+/-0.043 χ^2/NDF: 2609954.0/41

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.576+/-0.058 χ^2/NDF:5644629.0/35

Out: 375.183+/-0.057 χ^2/NDF:6419881.8/40

All: 373.404+/-0.041 χ^2/NDF: 12066475.5/76



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.308+/-12.991 χ^2/NDF:41.9/21

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -22.353+/-13.428 χ^2/NDF:25.0/19

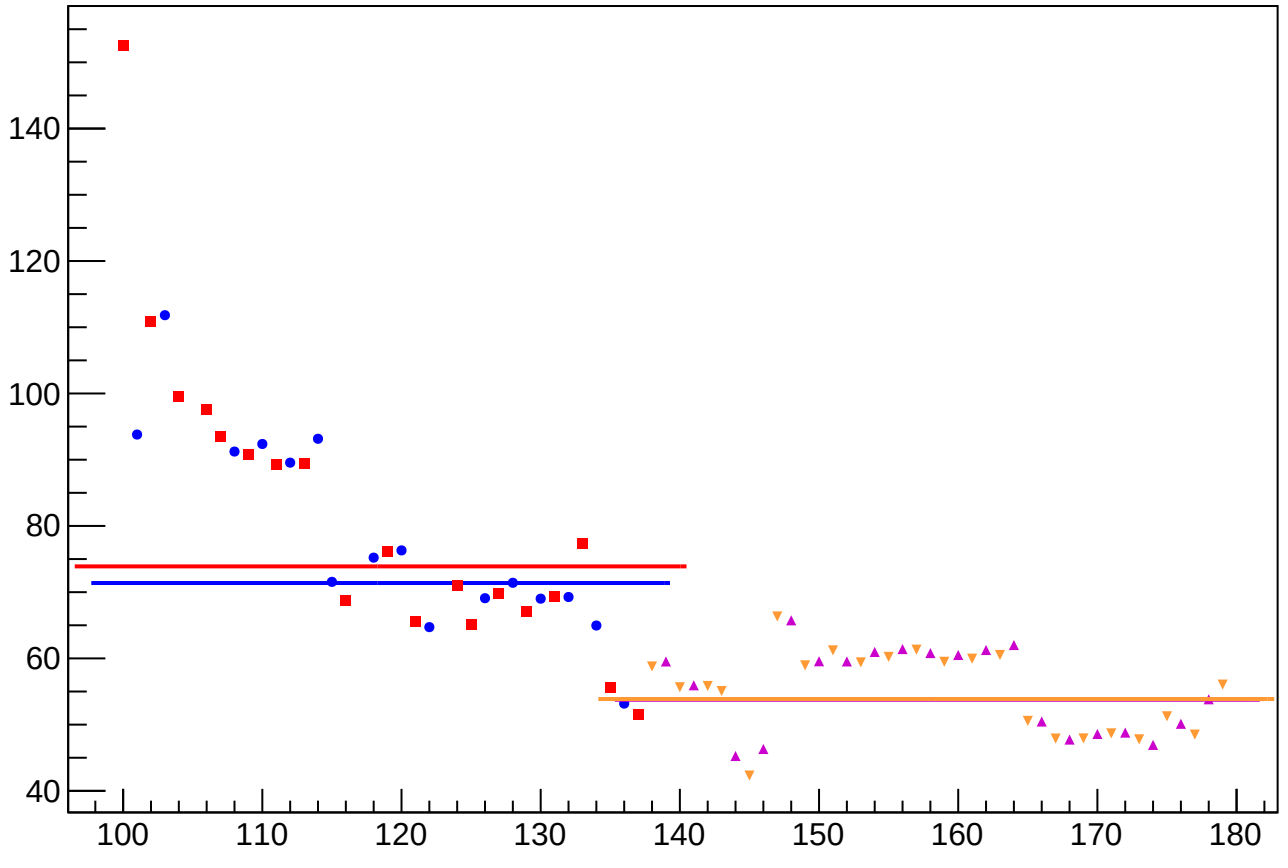
Left: -4.965+/-9.337 χ^2/NDF: 70.2/41

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -30.271+/-12.042 χ^2/NDF:40.3/35

Out: 6.601+/-11.768 χ^2/NDF:54.1/40

All: -11.411+/-8.416 χ^2/NDF: 99.2/76



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.867+/-0.009 χ^2/NDF:463358.7/21

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.758+/-0.009 χ^2/NDF:464492.0/19

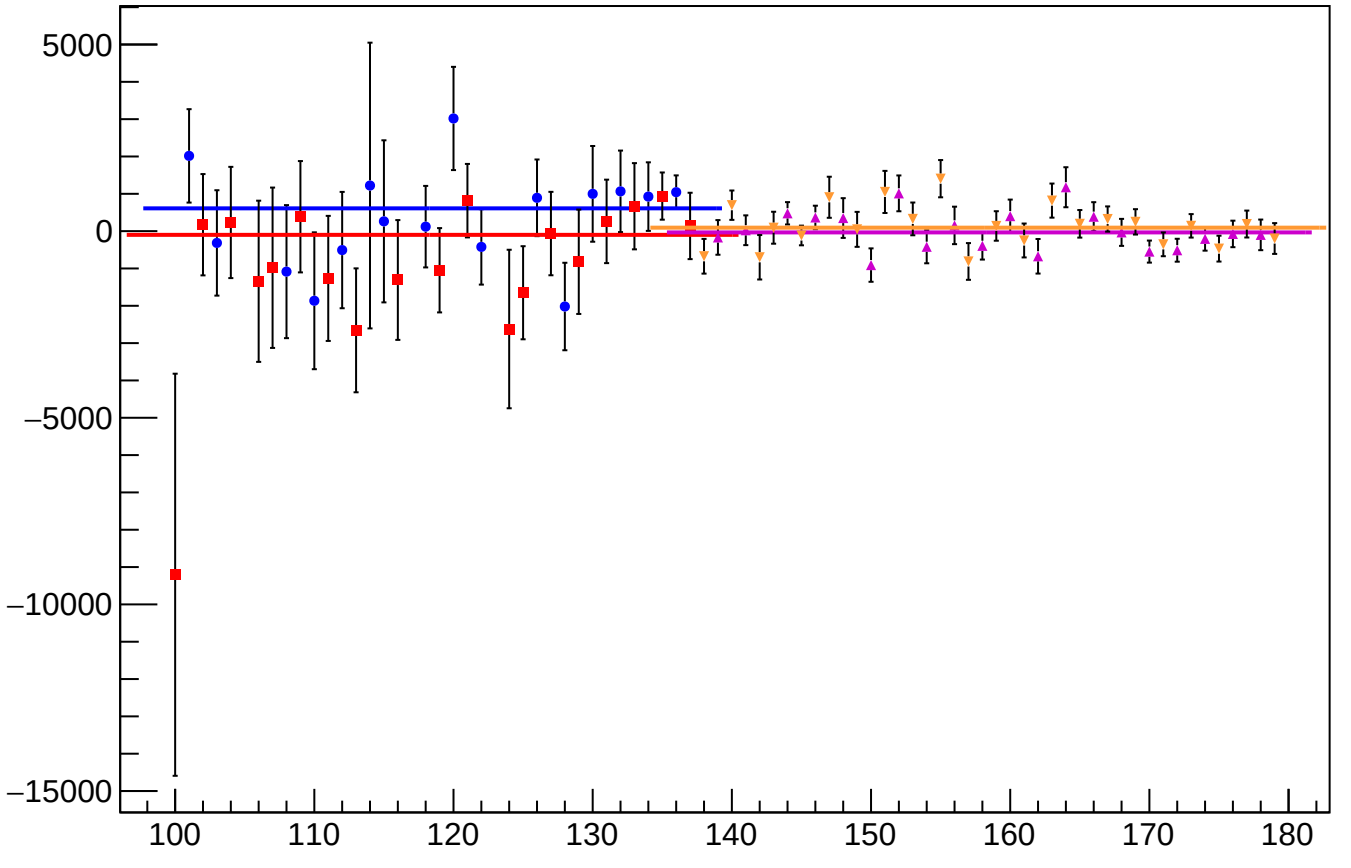
Left: 53.814+/-0.007 χ^2/NDF: 927919.4/41

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.209+/-0.009 χ^2/NDF:1730124.7/35

Out: 57.460+/-0.008 χ^2/NDF:1943118.9/40

All: 57.337+/-0.006 χ^2/NDF: 3673688.7/76



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 93.236+/-84.271 χ^2/NDF:32.2/21

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -33.965+/-86.099 χ^2/NDF:30.5/19

Left: 31.000+/-60.224 χ^2/NDF: 63.8/41

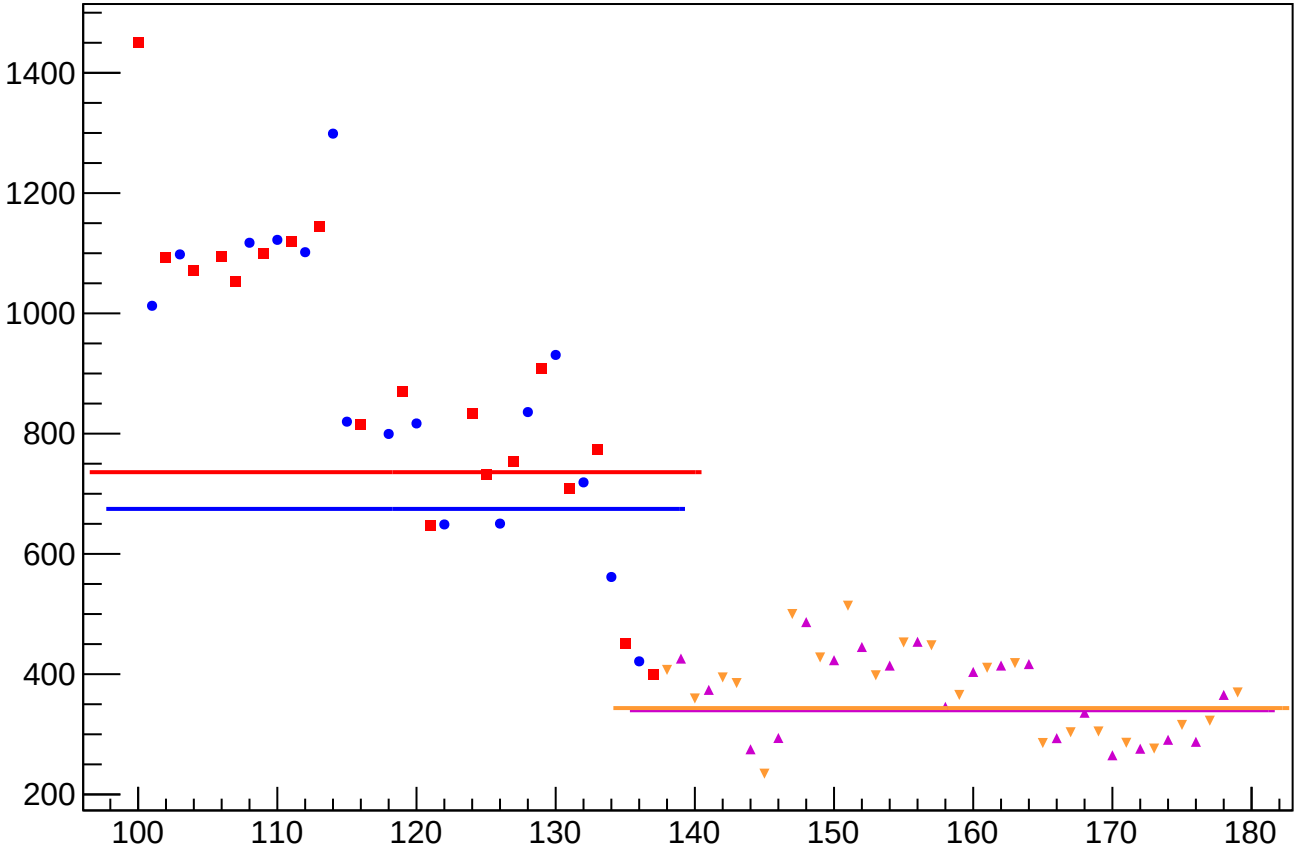
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 26.824+/-81.938 χ^2/NDF:51.5/35

Out: 77.718+/-80.808 χ^2/NDF:47.7/40

All: 52.624+/-57.535 χ^2/NDF: 99.4/76

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 343.606+/-0.060 χ^2/NDF:1434077.4/21

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 339.995+/-0.061 χ^2/NDF:1174079.7/19

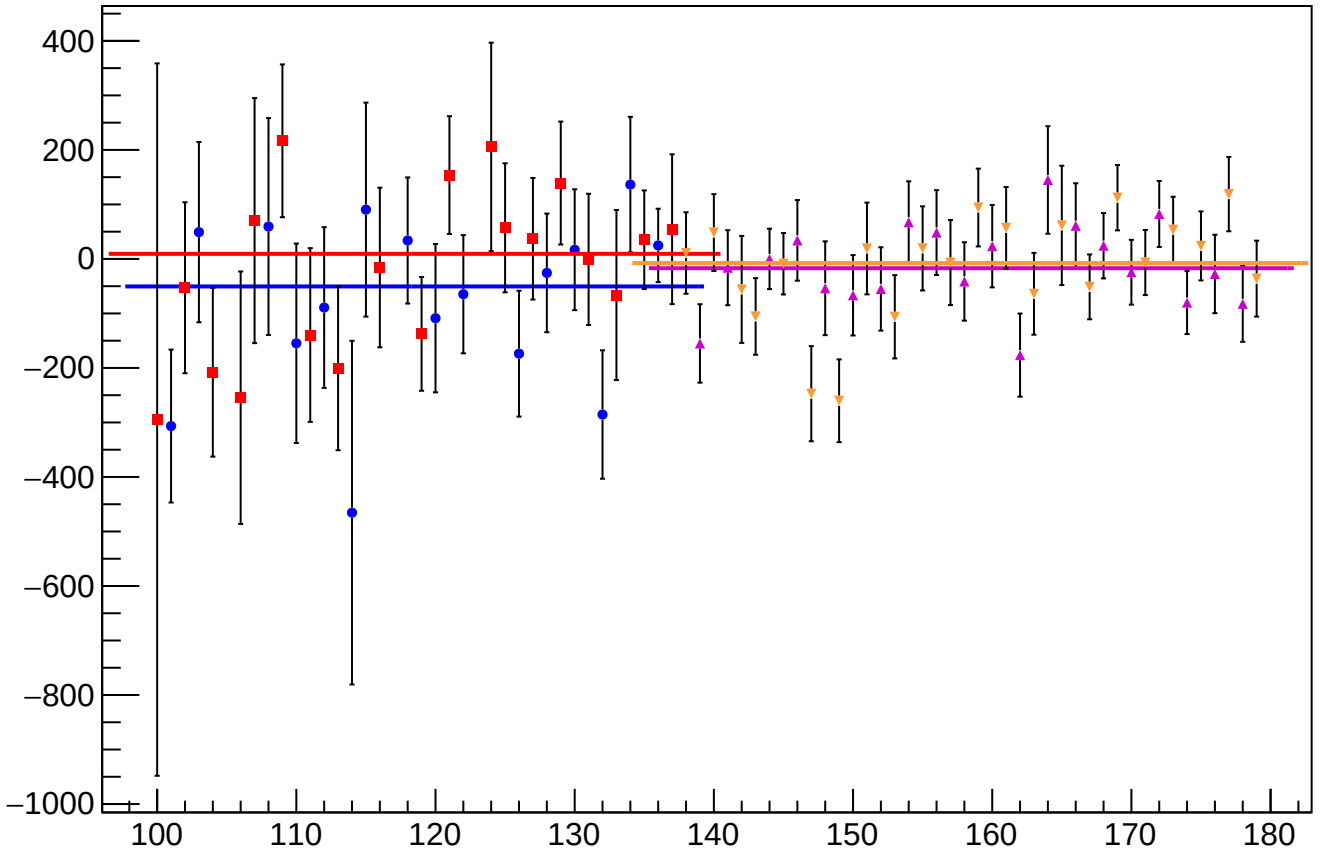
Left: 341.839+/-0.043 χ^2/NDF: 2609954.0/41

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.576+/-0.058 χ^2/NDF:5644629.0/35

Out: 375.183+/-0.057 χ^2/NDF:6419881.8/40

All: 373.404+/-0.041 χ^2/NDF: 12066475.5/76



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -7.545+/-15.123 χ^2/NDF:36.5/21

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -17.004+/-15.649 χ^2/NDF:20.8/19

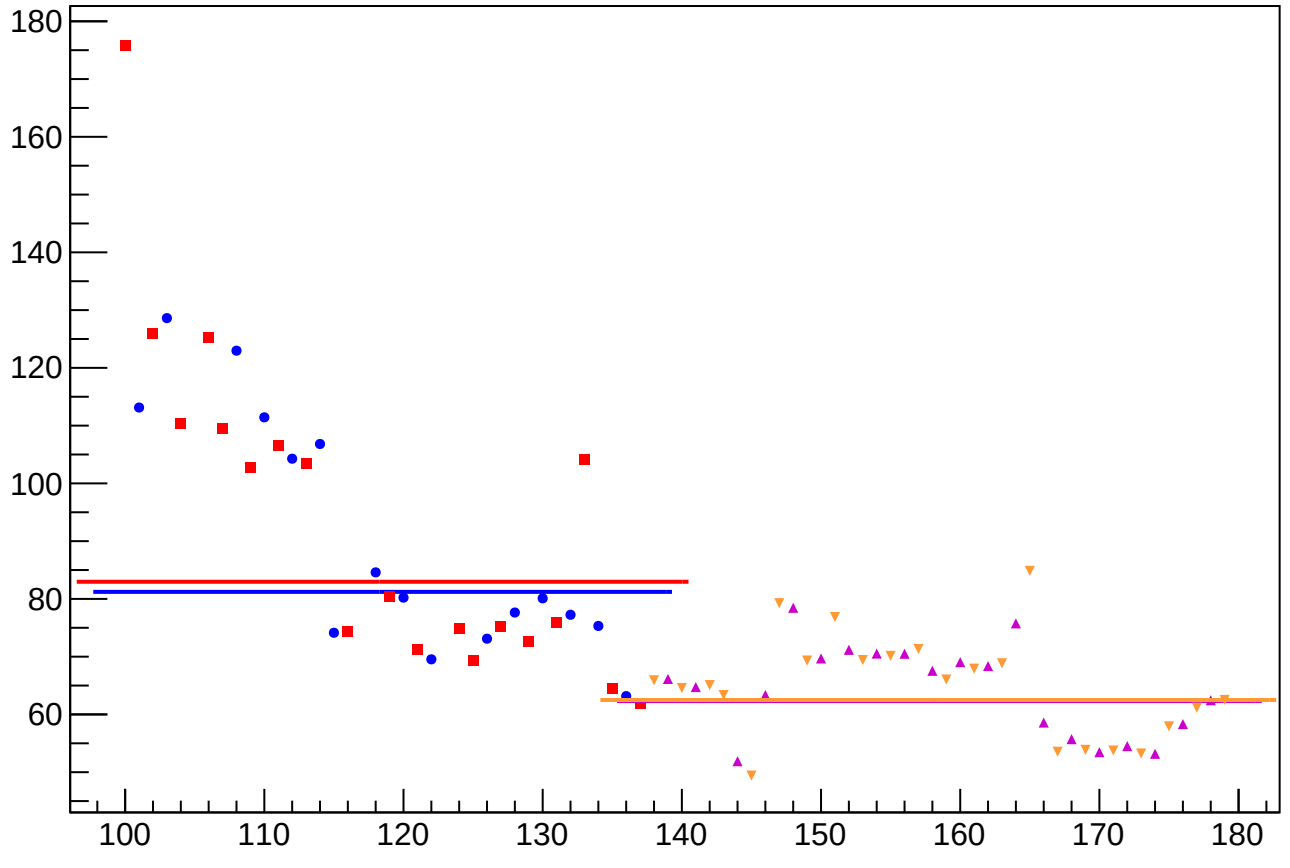
Left: -12.113+/-10.875 χ^2/NDF: 57.6/41

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.778+/-13.975 χ^2/NDF:38.2/35

Out: -4.331+/-13.611 χ^2/NDF:52.3/40

All: -13.798+/-9.751 χ^2/NDF: 91.5/76



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.497+/-0.011 χ^2/NDF:626168.8/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.313+/-0.011 χ^2/NDF:481176.9/19

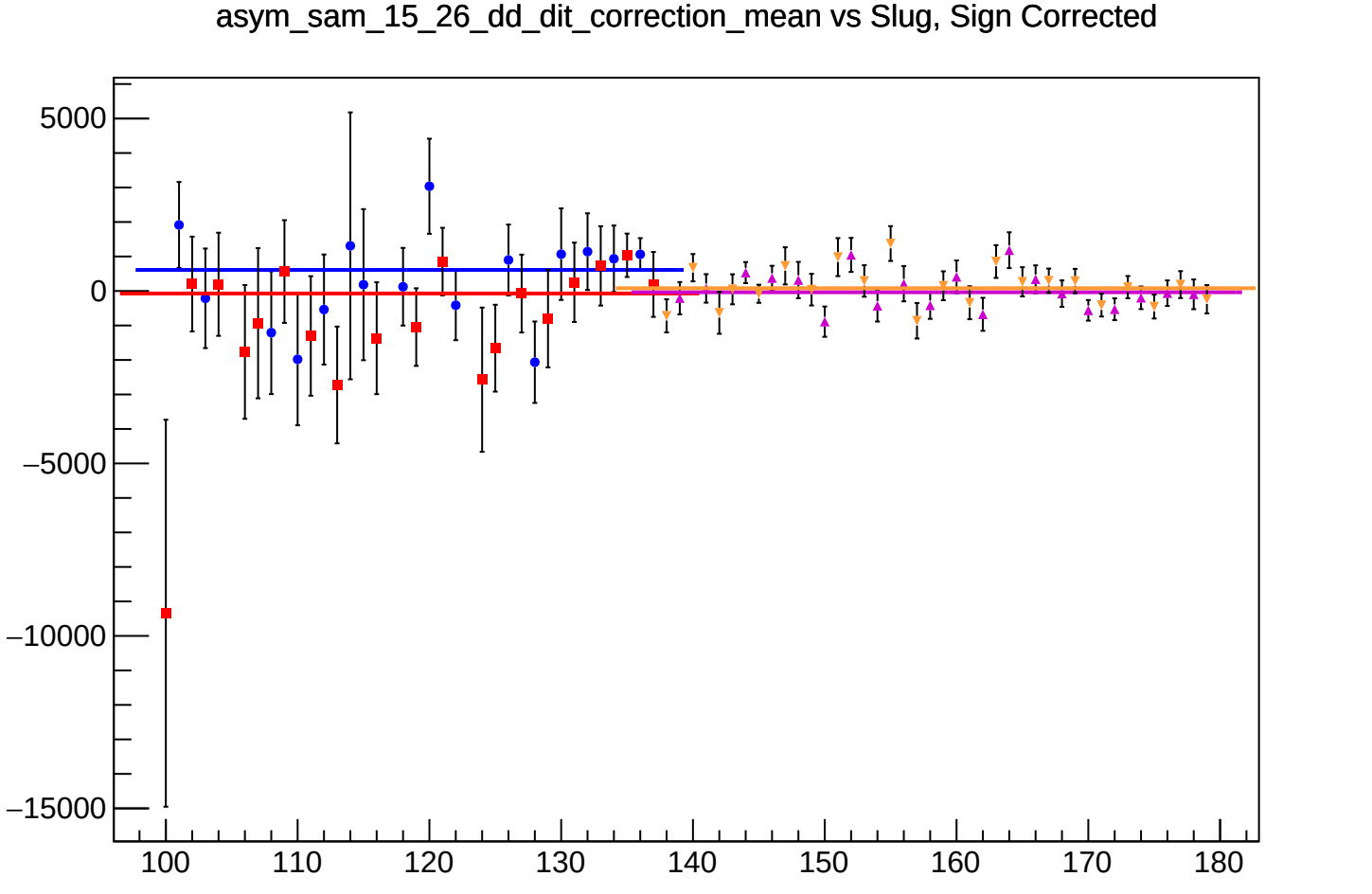
Left: 62.408+/-0.008 χ^2/NDF: 1107489.4/41

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.140+/-0.010 χ^2/NDF:1734975.4/35

Out: 66.385+/-0.010 χ^2/NDF:2052688.7/40

All: 66.266+/-0.007 χ^2/NDF: 3787980.4/76



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 80.638+/-86.684 χ^2/NDF:30.7/21

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -35.908+/-89.218 χ^2/NDF:30.8/19

Left: 24.044+/-62.172 χ^2/NDF: 62.4/41

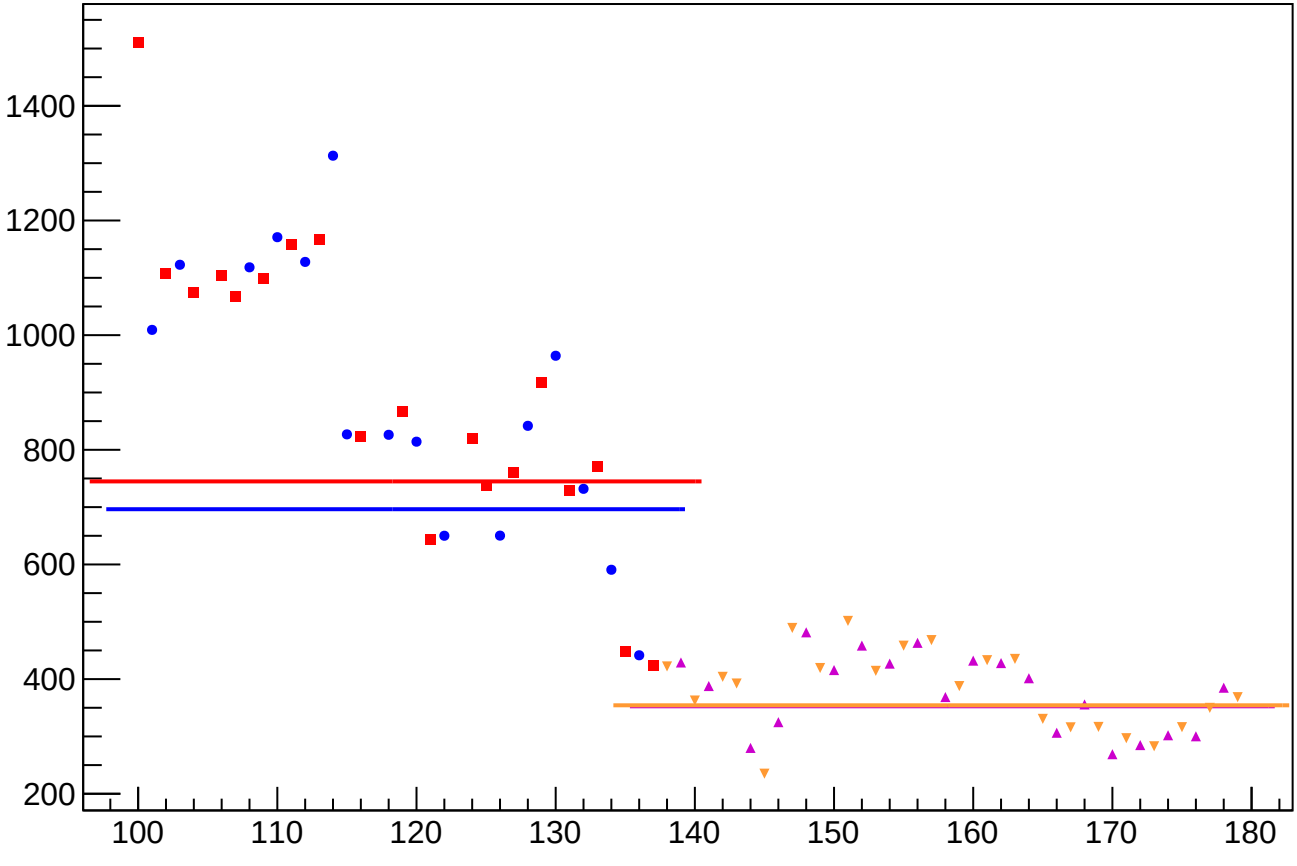
Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 26.054+/-84.834 χ^2/NDF:51.6/35

Out: 67.838+/-82.978 χ^2/NDF:47.2/40

All: 47.408+/-59.319 χ^2/NDF: 98.9/76

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 354.313+/-0.061 χ^2/NDF:1373269.1/21

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 352.553+/-0.063 χ^2/NDF:1092949.6/19

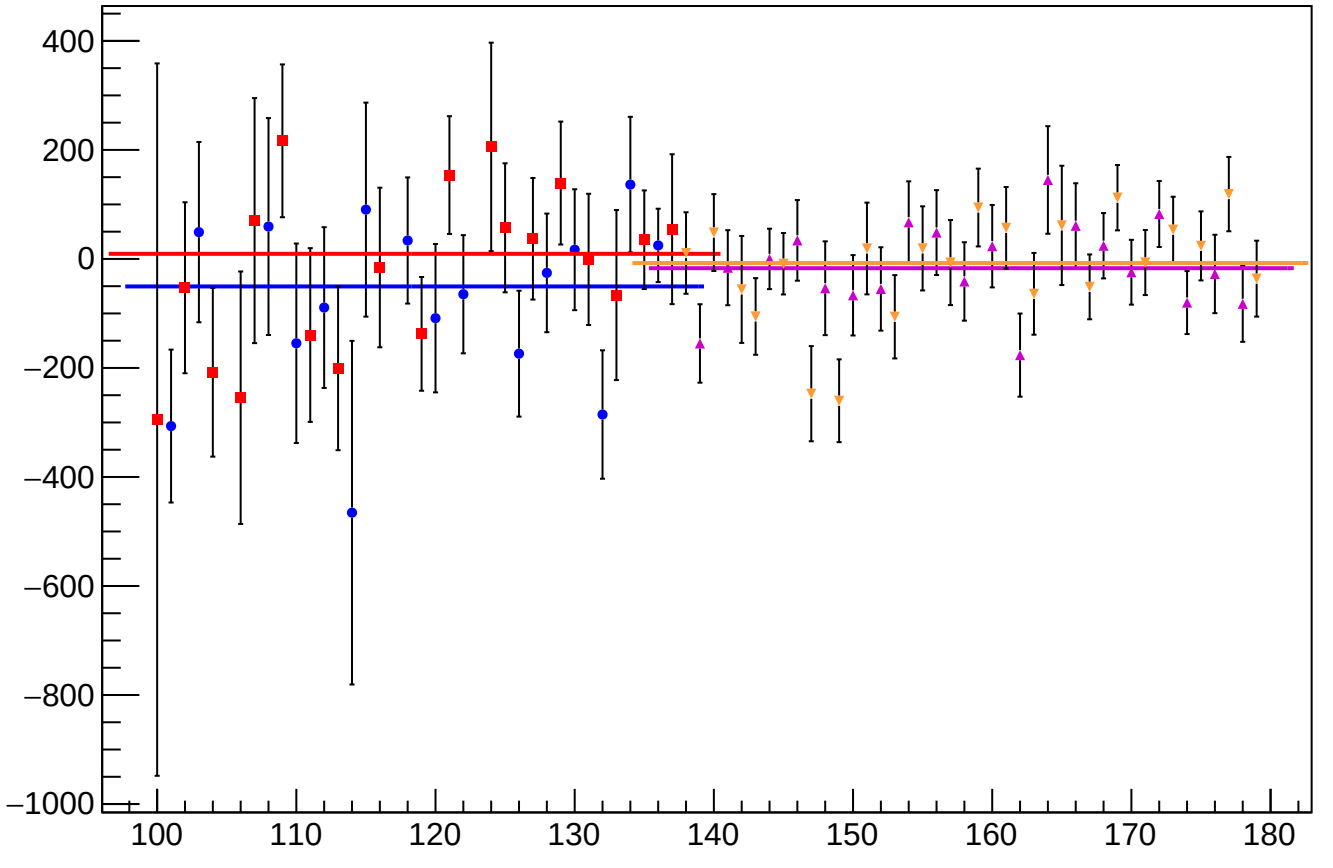
Left: 353.458+/-0.044 χ^2/NDF: 2466619.2/41

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 385.516+/-0.060 χ^2/NDF:5455988.4/35

Out: 386.999+/-0.059 χ^2/NDF:6269463.5/40

All: 386.274+/-0.042 χ^2/NDF: 11725764.5/76



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -7.544+/-15.123 χ^2/NDF:36.5/21

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -17.004+/-15.649 χ^2/NDF:20.8/19

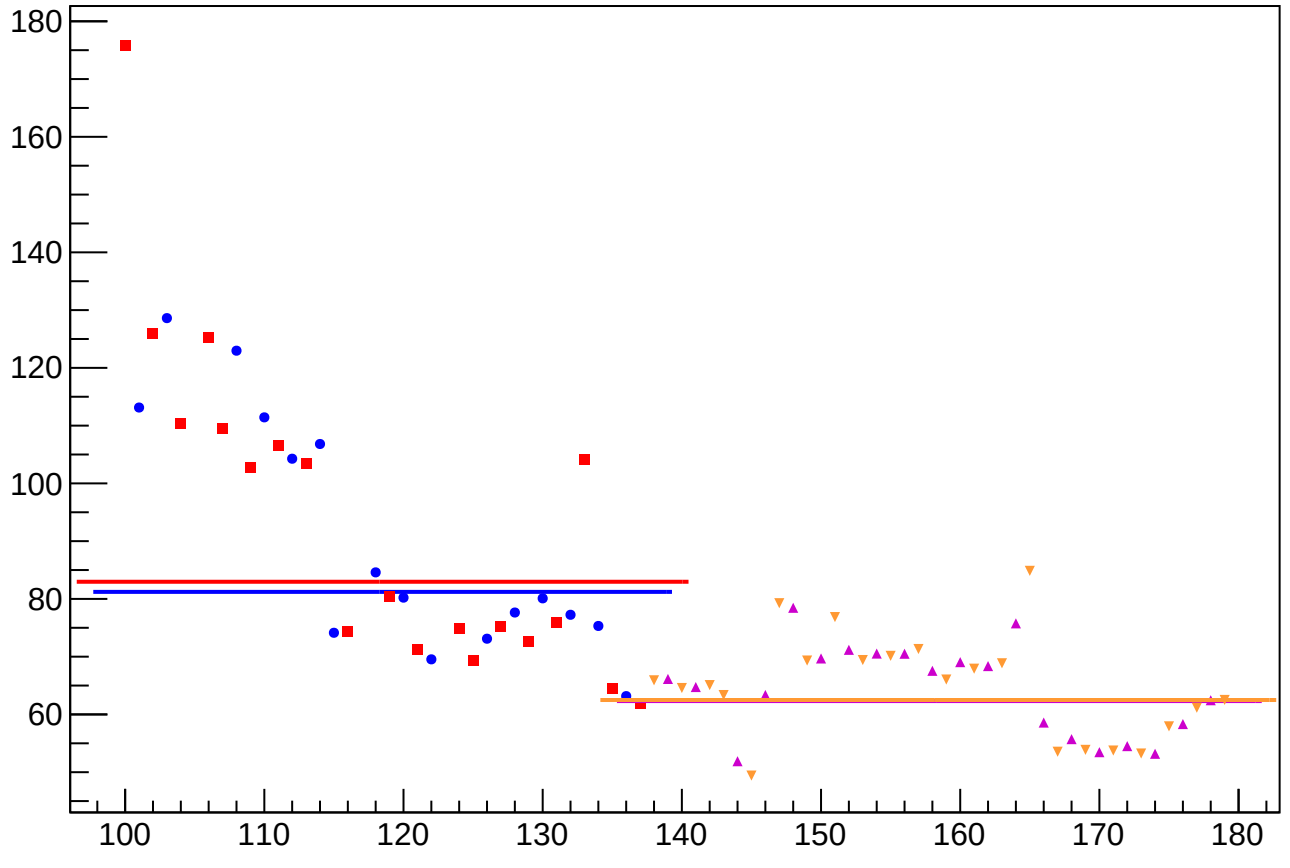
Left: -12.112+/-10.875 χ^2/NDF: 57.6/41

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.778+/-13.975 χ^2/NDF:38.2/35

Out: -4.330+/-13.611 χ^2/NDF:52.3/40

All: -13.797+/-9.751 χ^2/NDF: 91.5/76



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.497+/-0.011 χ^2/NDF:626166.6/21

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.313+/-0.011 χ^2/NDF:481169.5/19

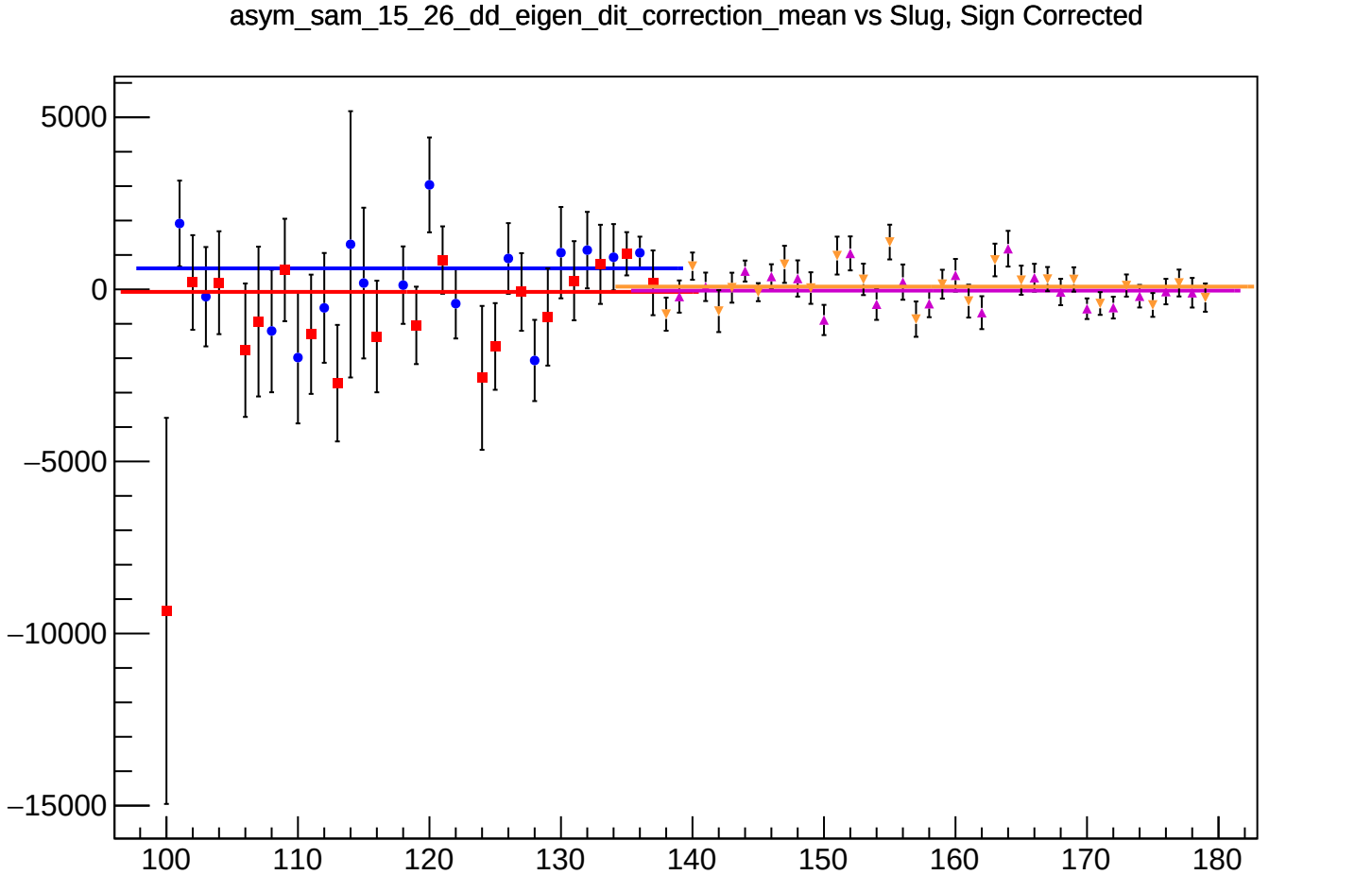
Left: 62.408+/-0.008 χ^2/NDF: 1107479.6/41

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.140+/-0.010 χ^2/NDF:1734921.6/35

Out: 66.385+/-0.010 χ^2/NDF:2052654.8/40

All: 66.266+/-0.007 χ^2/NDF: 3787892.6/76



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 80.639+/-86.684 χ^2/NDF:30.7/21

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -35.908+/-89.219 χ^2/NDF:30.8/19

Left: 24.044+/-62.172 χ^2/NDF: 62.4/41

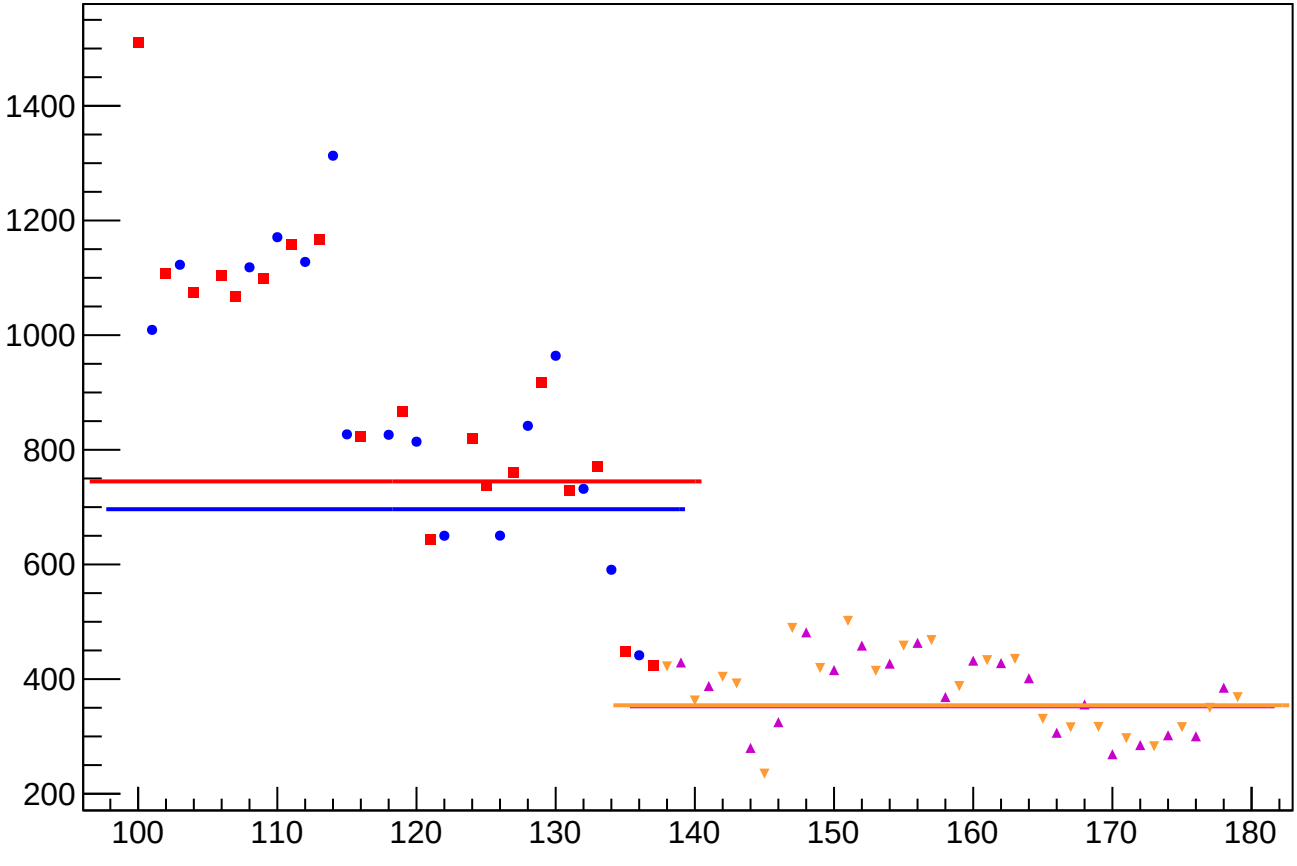
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 26.054+/-84.834 χ^2/NDF:51.6/35

Out: 67.838+/-82.978 χ^2/NDF:47.2/40

All: 47.408+/-59.320 χ^2/NDF: 98.9/76

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 354.314+/-0.061 χ^2/NDF:1373284.0/21

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 352.553+/-0.063 χ^2/NDF:1092955.7/19

Left: 353.459+/-0.044 χ^2/NDF: 2466640.1/41

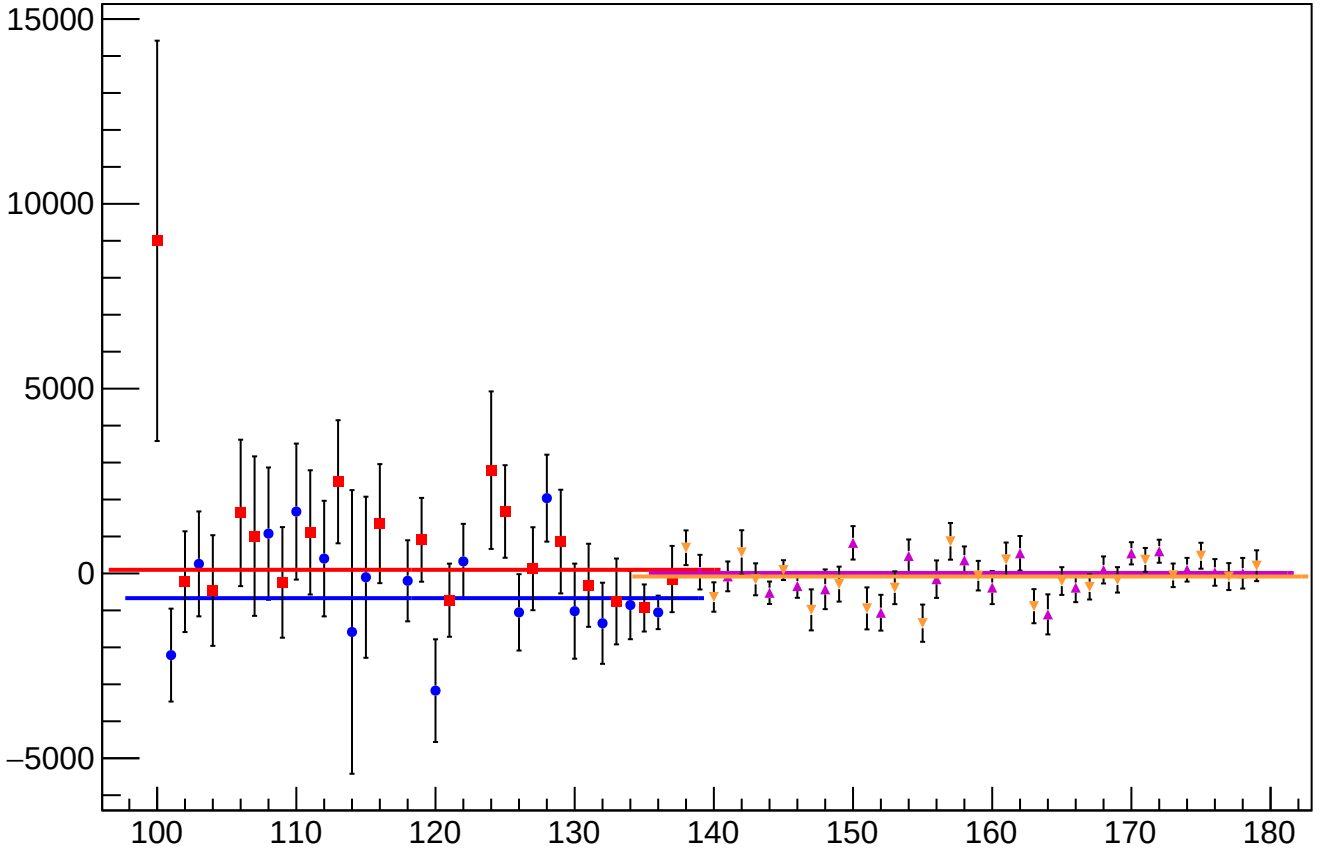
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 385.516+/-0.060 χ^2/NDF:5455966.6/35

Out: 387.000+/-0.059 χ^2/NDF:6269453.9/40

All: 386.274+/-0.042 χ^2/NDF: 11725733.1/76

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -82.906+/-85.321 χ^2/NDF:31.8/21

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 11.567+/-87.205 χ^2/NDF:29.4/19

Left: -36.700+/-60.986 χ^2/NDF: 61.8/41

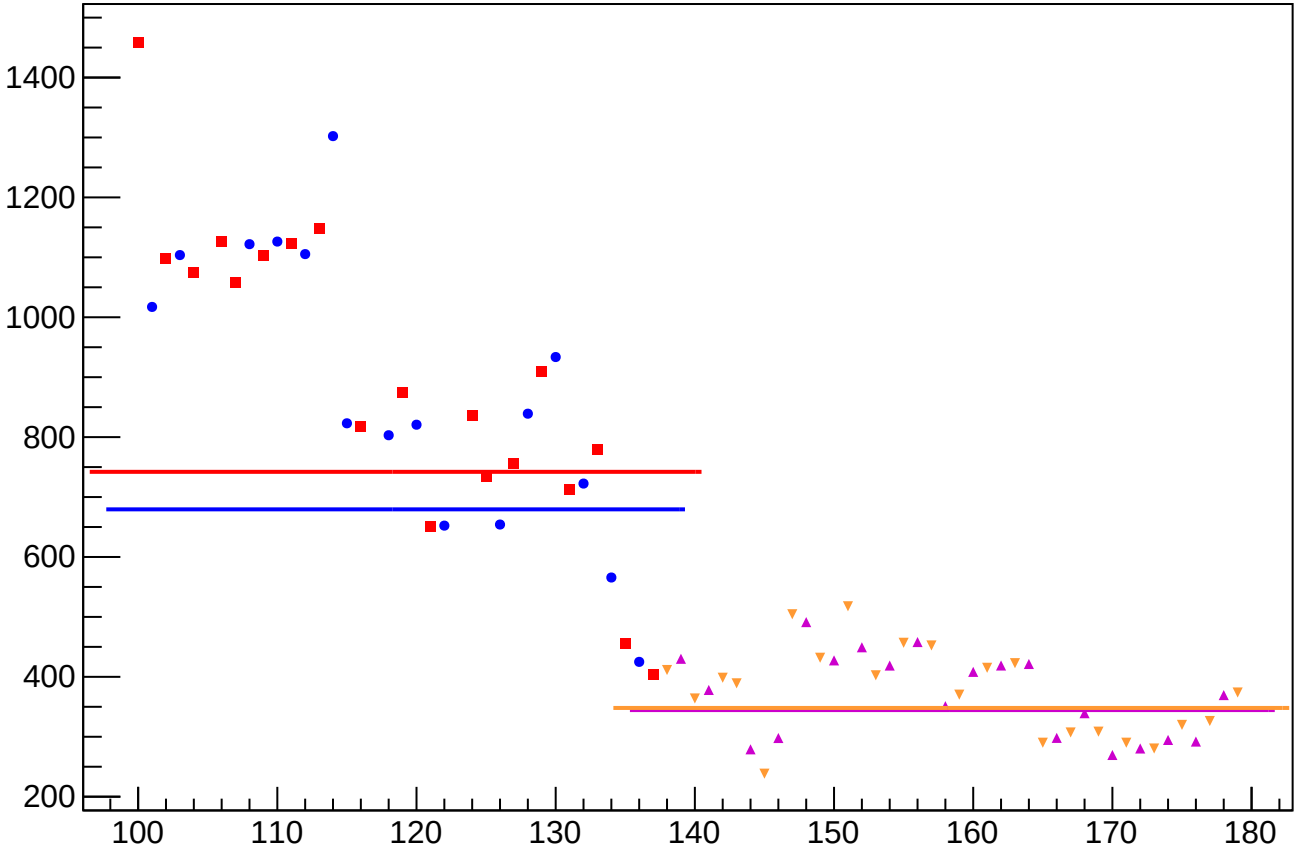
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -53.345+/-82.938 χ^2/NDF:51.4/35

Out: -68.110+/-81.758 χ^2/NDF:47.0/40

All: -60.833+/-58.224 χ^2/NDF: 98.3/76

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 348.083+/-0.060 χ^2/NDF:1404098.1/21

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 344.536+/-0.062 χ^2/NDF:1148998.5/19

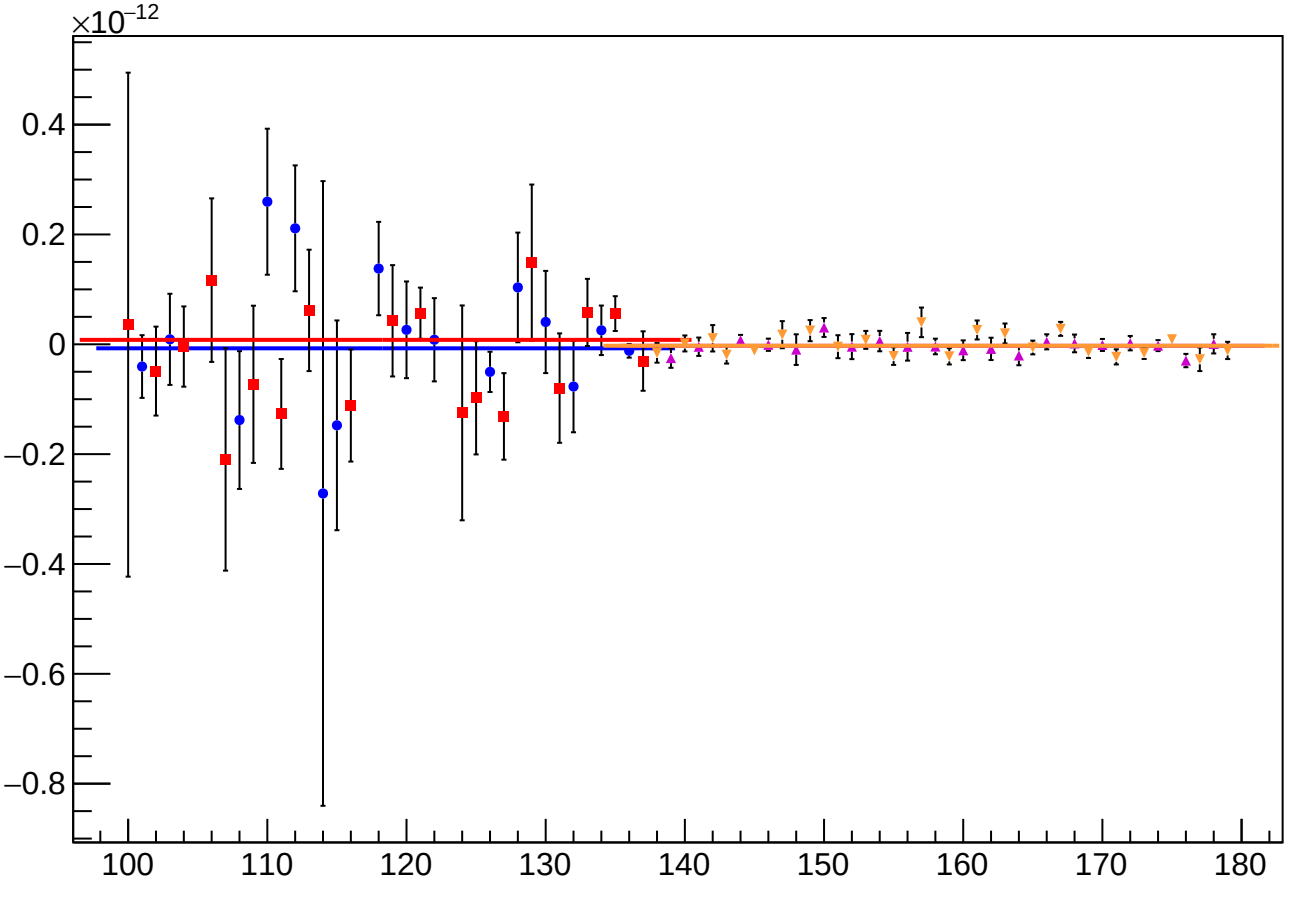
Left: 346.348+/-0.043 χ^2/NDF: 2554786.5/41

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 376.505+/-0.059 χ^2/NDF:5565986.6/35

Out: 380.307+/-0.058 χ^2/NDF:6396592.0/40

All: 378.433+/-0.041 χ^2/NDF: 11964709.1/76



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/19

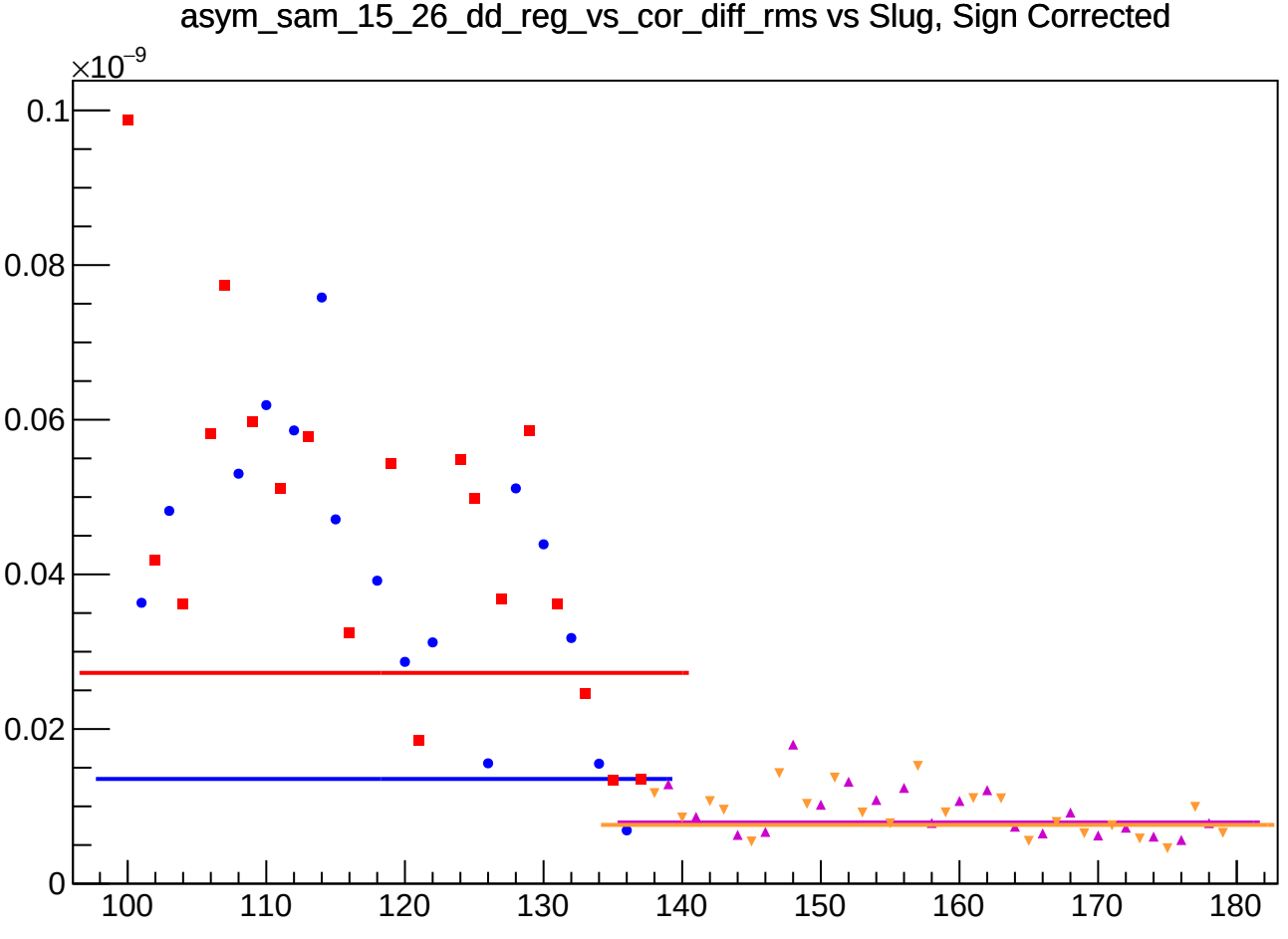
Left: -0.000+/-0.000 χ^2/NDF: 43.5/41

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:30.8/35

Out: -0.000+/-0.000 χ^2/NDF:47.5/40

All: -0.000+/-0.000 χ^2/NDF: 78.3/76



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456805.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1107543.4/19

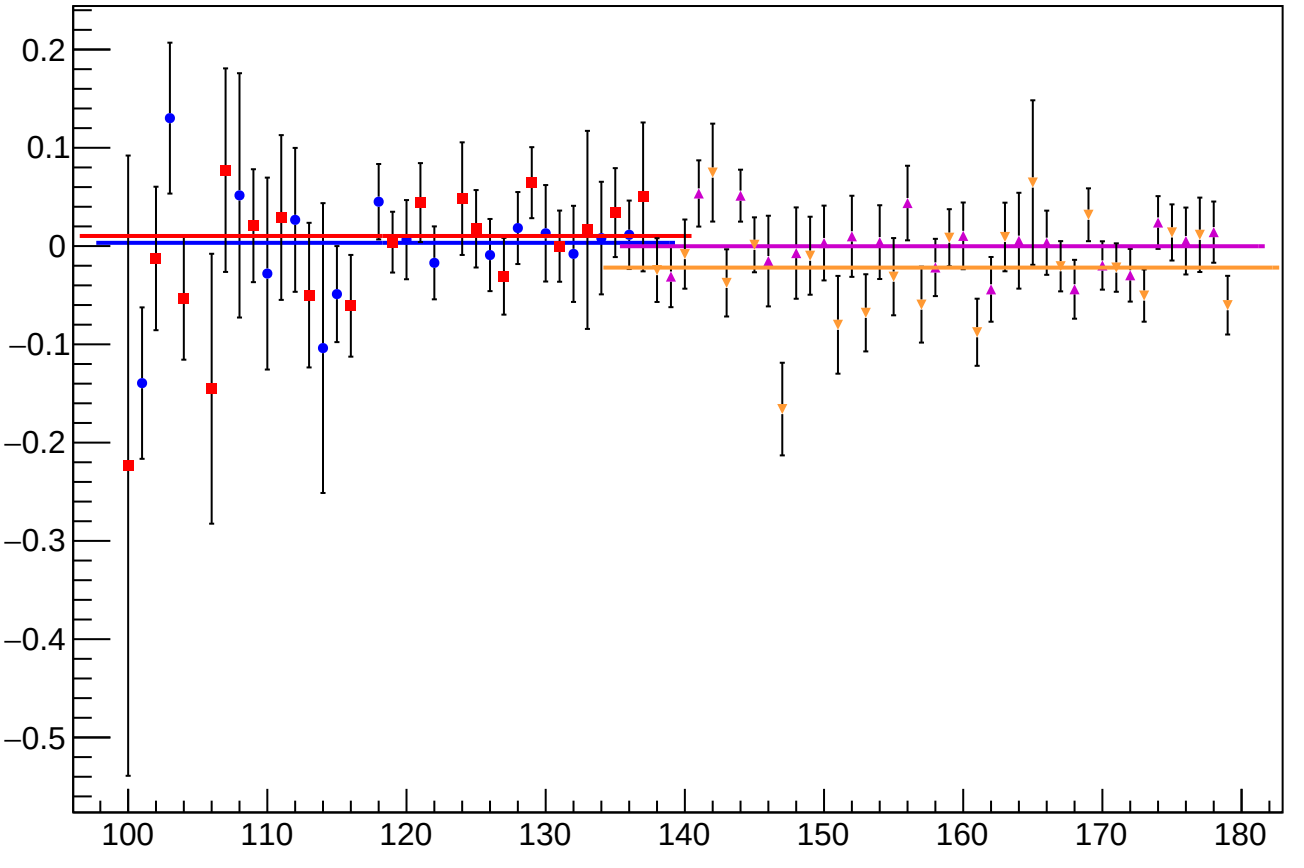
Left: 0.000+/-0.000 χ^2/NDF: 2574648.6/41

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4679181.3/35

Out: 0.000+/-0.000 χ^2/NDF:5693438.0/40

All: 0.000+/-0.000 χ^2/NDF: 10378690.7/76



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.000+/-0.007 χ^2/NDF:16.3/19

Left: -0.011+/-0.005 χ^2/NDF: 54.7/41

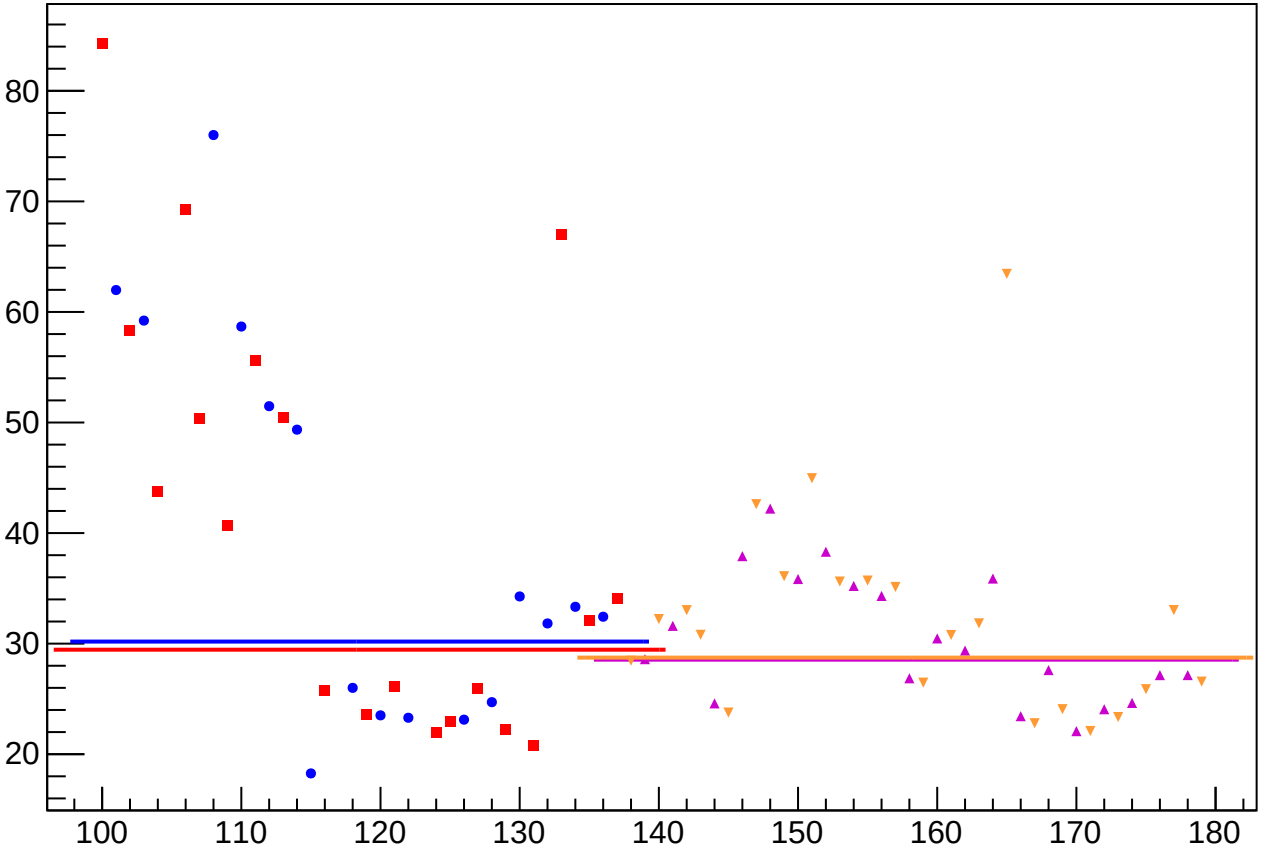
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 79.6/76

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.734+/-0.005 χ^2/NDF:1569456.7/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.550+/-0.005 χ^2/NDF:965676.2/19

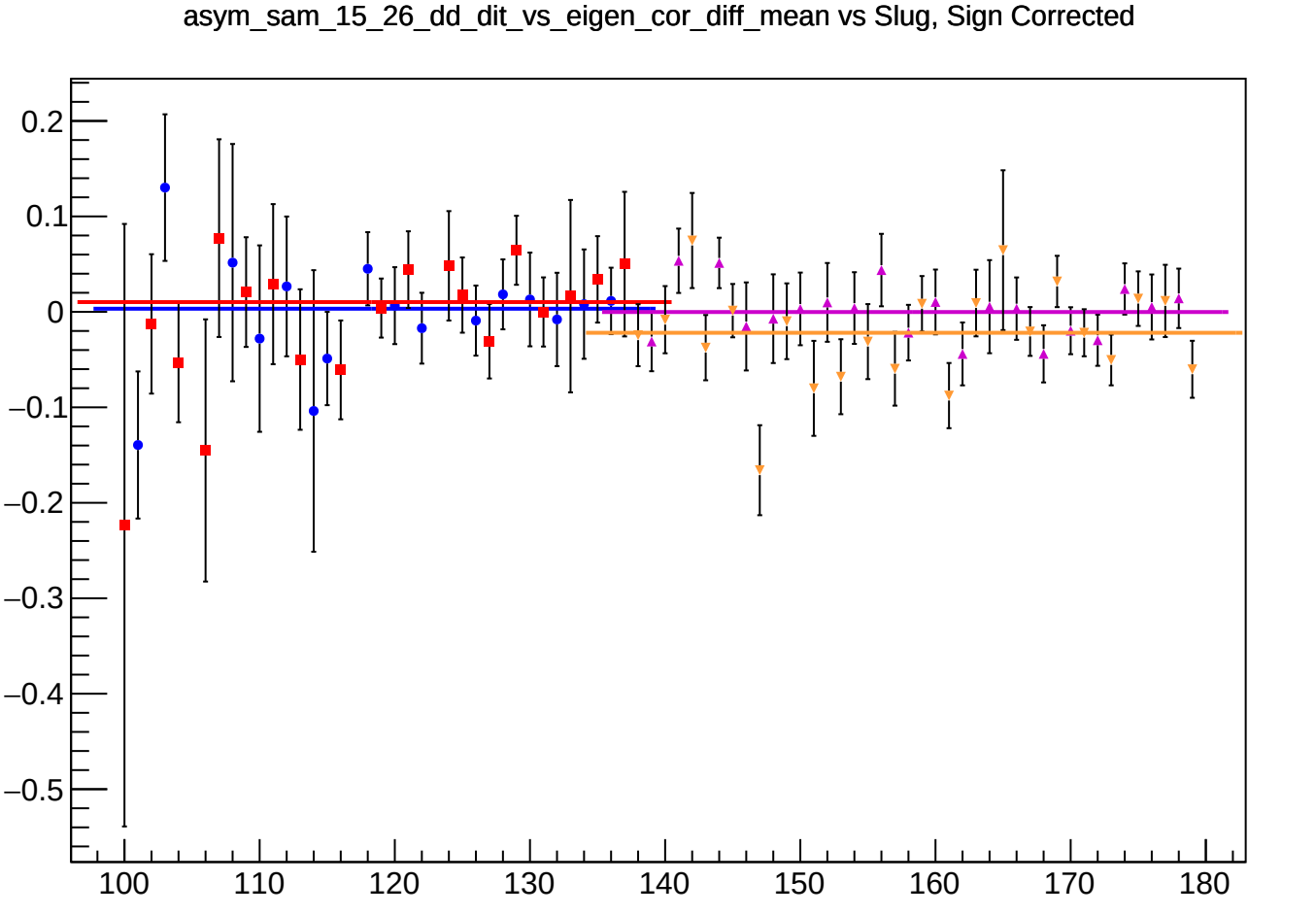
Left: 28.645+/-0.004 χ^2/NDF: 2535785.4/41

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.978+/-0.004 χ^2/NDF:2679272.5/35

Out: 28.925+/-0.004 χ^2/NDF:3423499.4/40

All: 28.951+/-0.003 χ^2/NDF: 6102845.6/76



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.000+/-0.007 χ^2/NDF:16.3/19

Left: -0.011+/-0.005 χ^2/NDF: 54.7/41

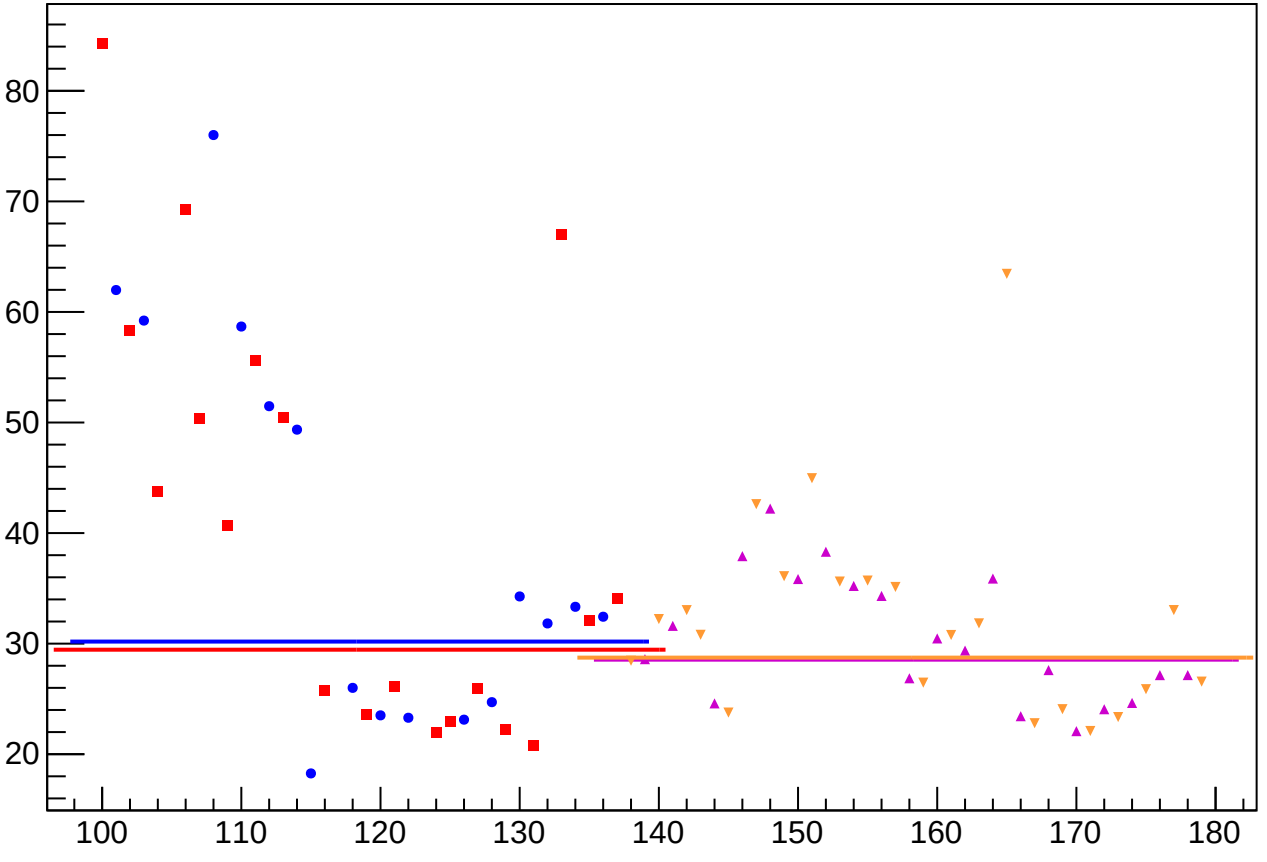
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 79.6/76

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.734+/-0.005 χ^2/NDF:1569456.7/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.550+/-0.005 χ^2/NDF:965676.2/19

Left: 28.645+/-0.004 χ^2/NDF: 2535785.4/41

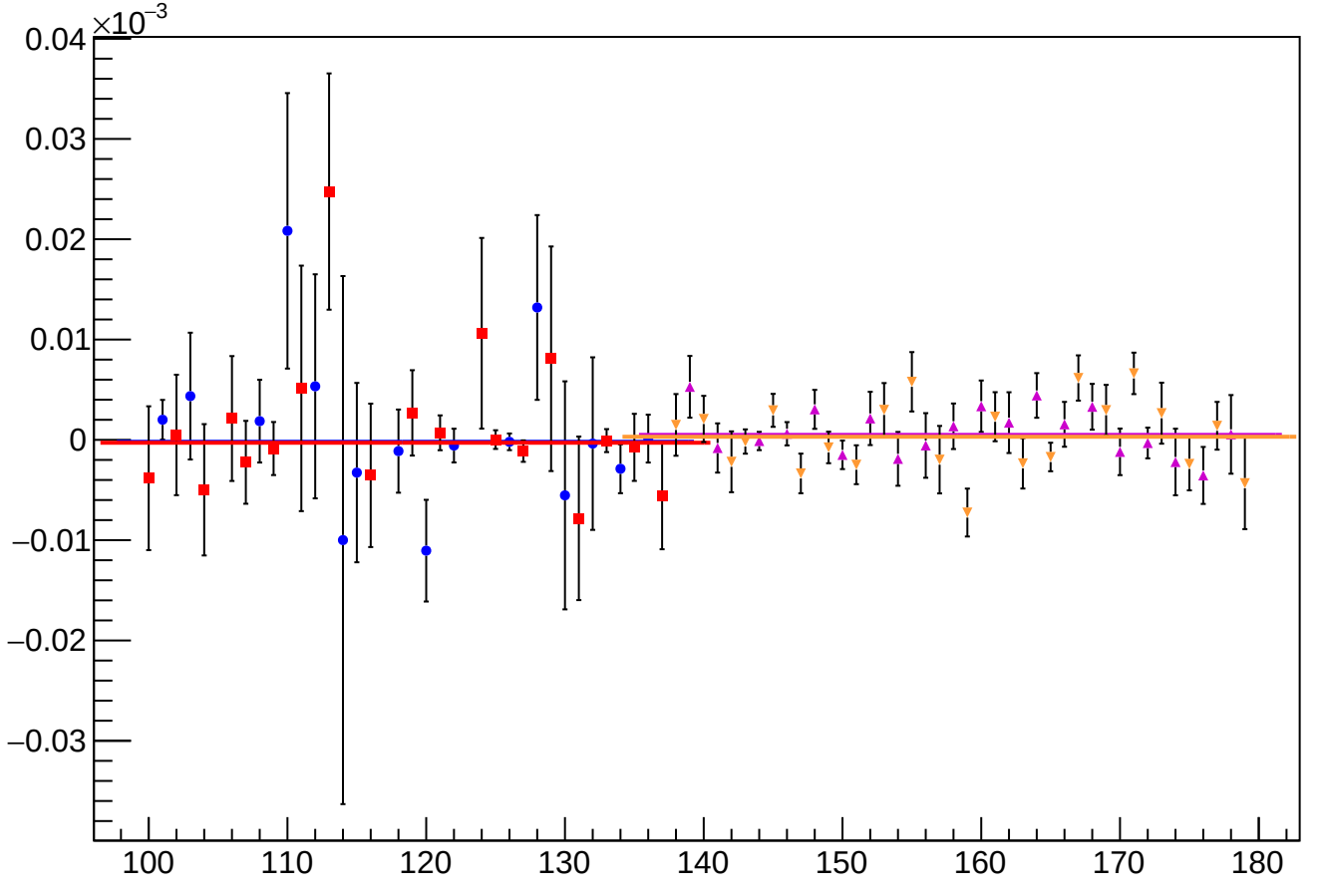
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.978+/-0.004 χ^2/NDF:2679272.5/35

Out: 28.925+/-0.004 χ^2/NDF:3423499.4/40

All: 28.951+/-0.003 χ^2/NDF: 6102845.6/76

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/19

Left: 0.000+/-0.000 χ^2/NDF: 67.0/41

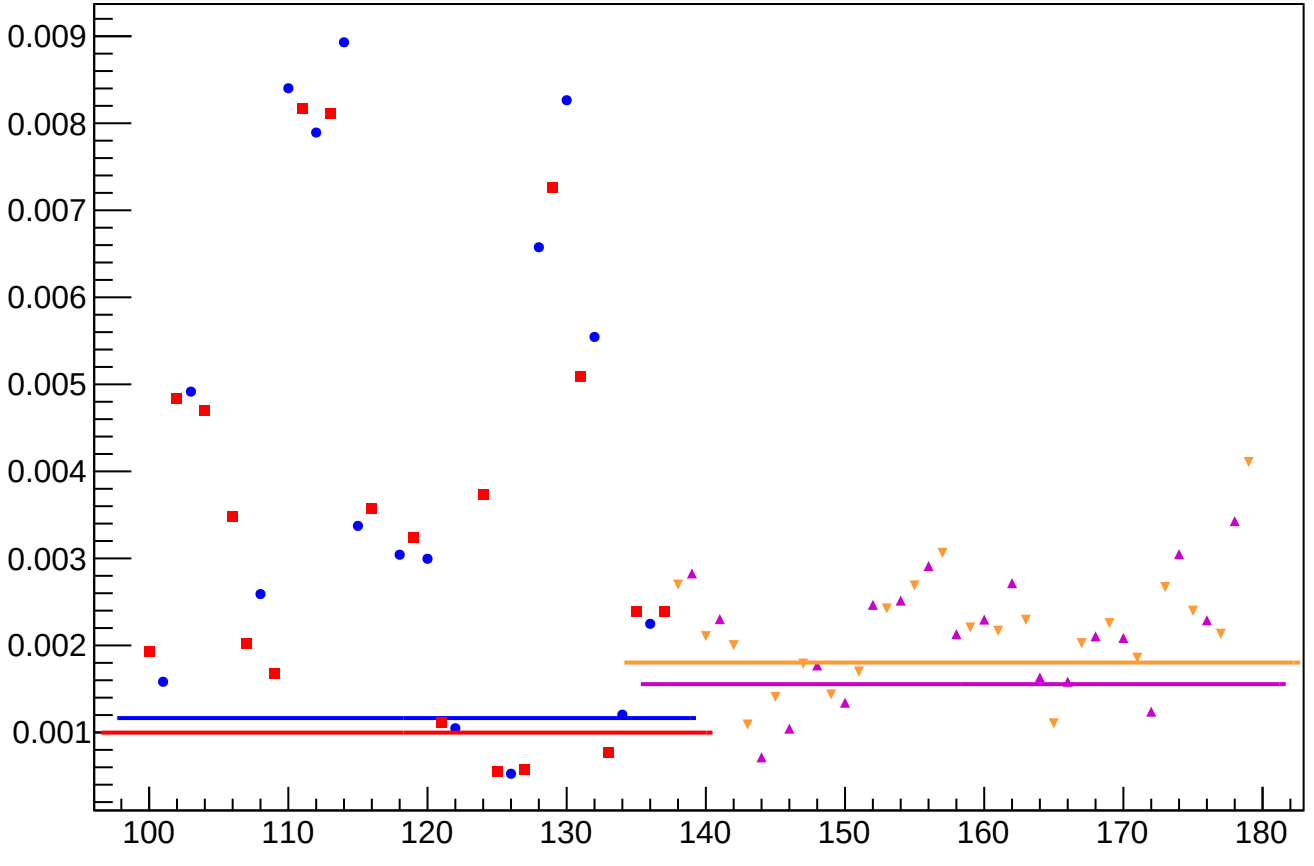
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:32.0/35

Out: 0.000+/-0.000 χ^2/NDF:61.1/40

All: 0.000+/-0.000 χ^2/NDF: 93.2/76

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3260827.9/21

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5431037.8/19

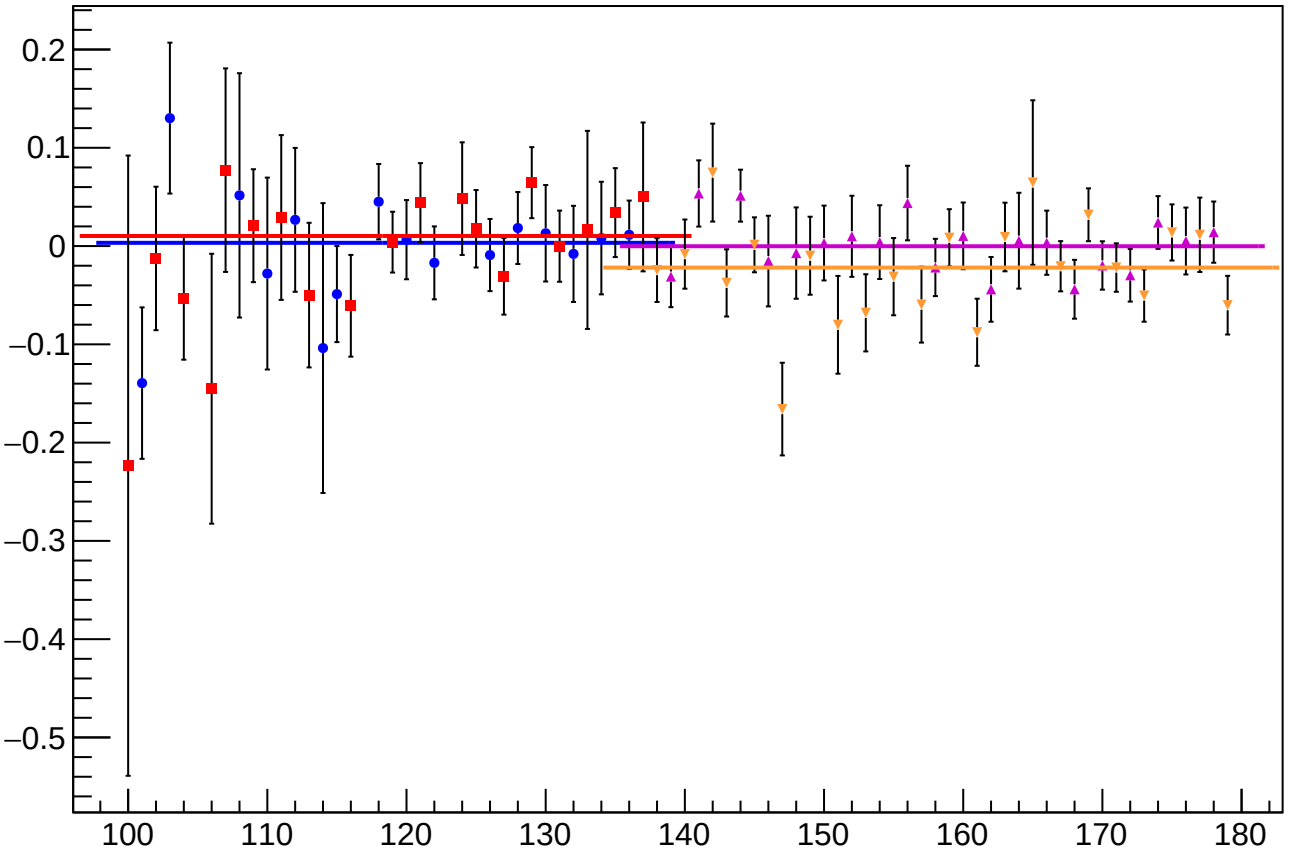
Left: 0.002+/-0.000 χ^2/NDF: 9001991.6/41

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:12849895.7/35

Out: 0.001+/-0.000 χ^2/NDF:12889706.1/40

All: 0.001+/-0.000 χ^2/NDF: 25746503.6/76



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.000+/-0.007 χ^2/NDF:16.3/19

Left: -0.011+/-0.005 χ^2/NDF: 54.7/41

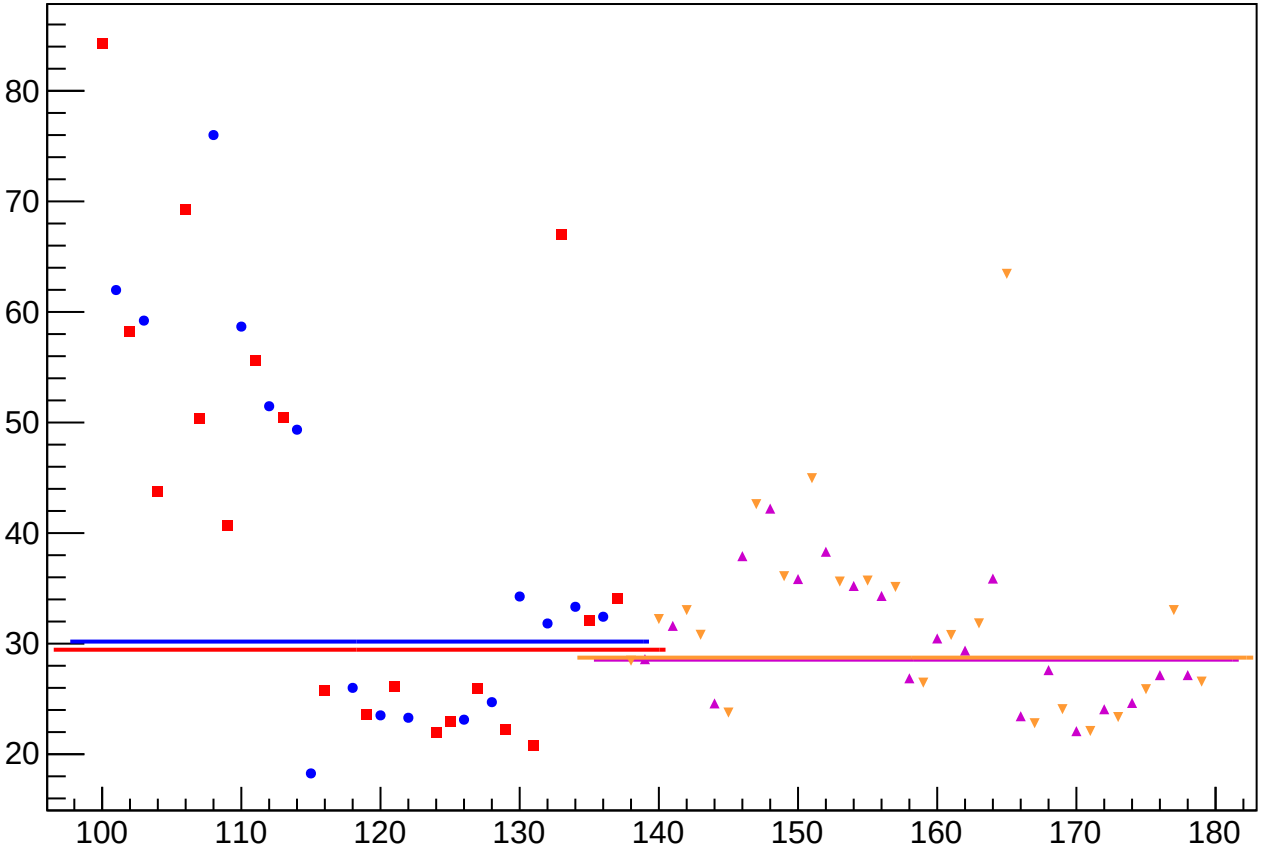
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 79.6/76

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.735+/-0.005 χ^2/NDF:1569426.5/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.551+/-0.005 χ^2/NDF:965638.7/19

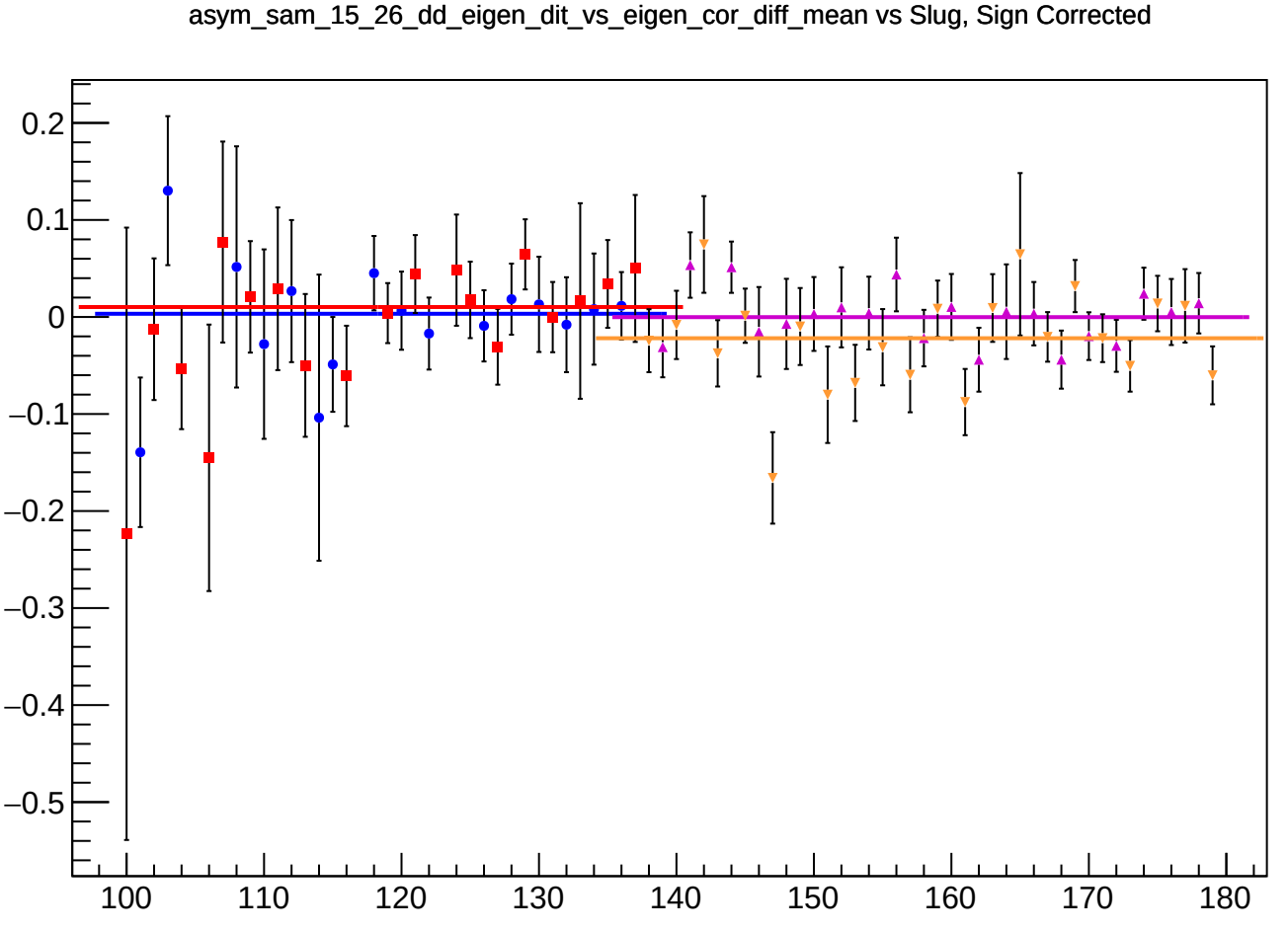
Left: 28.645+/-0.004 χ^2/NDF: 2535716.8/41

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.978+/-0.004 χ^2/NDF:2679043.0/35

Out: 28.925+/-0.004 χ^2/NDF:3423454.9/40

All: 28.951+/-0.003 χ^2/NDF: 6102572.3/76



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.007 χ^2/NDF:33.8/21

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.000+/-0.007 χ^2/NDF:16.3/19

Left: -0.011+/-0.005 χ^2/NDF: 54.7/41

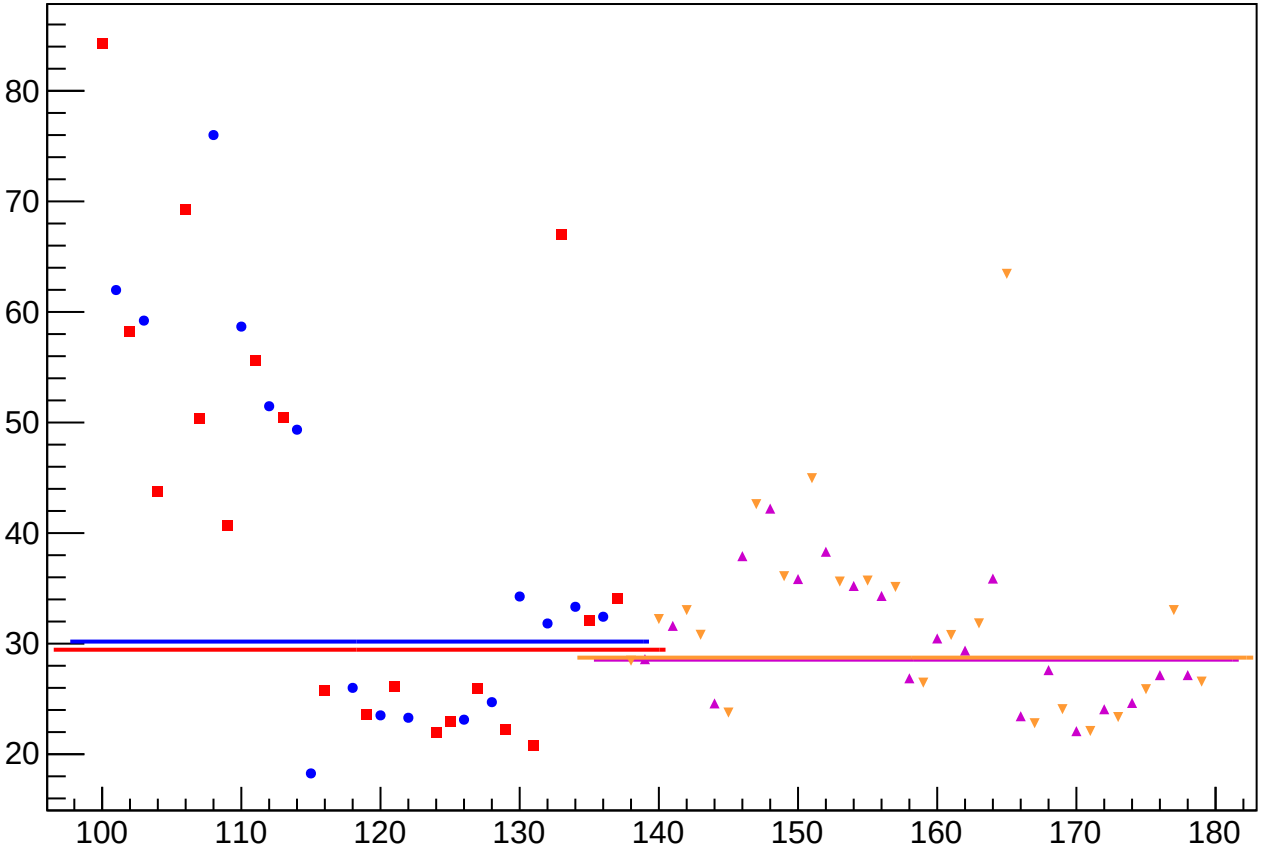
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.013+/-0.006 χ^2/NDF:50.5/40

All: -0.007+/-0.004 χ^2/NDF: 79.6/76

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.735+/-0.005 χ^2/NDF:1569426.5/21

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.551+/-0.005 χ^2/NDF:965638.7/19

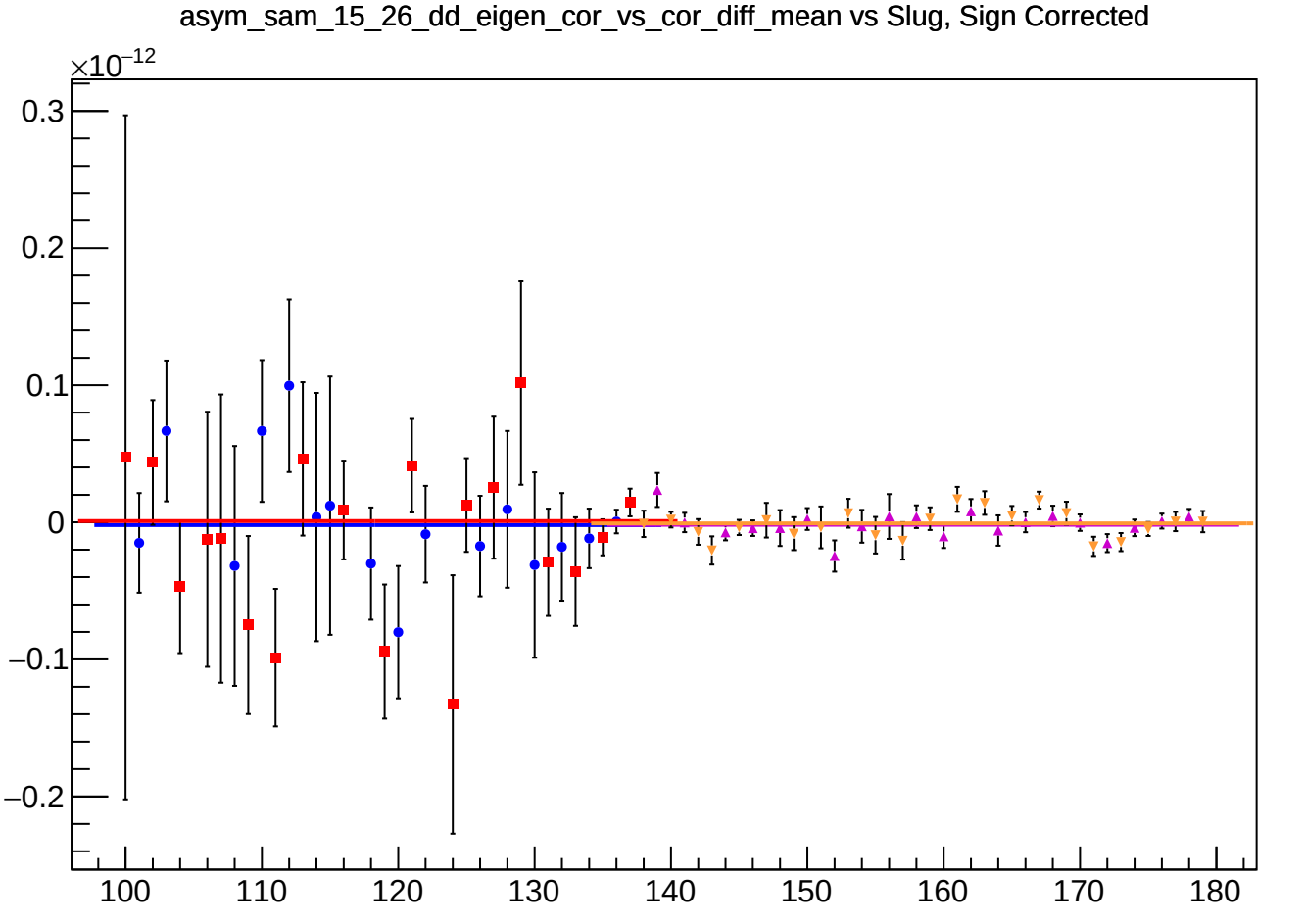
Left: 28.645+/-0.004 χ^2/NDF: 2535716.8/41

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.978+/-0.004 χ^2/NDF:2679043.0/35

Out: 28.925+/-0.004 χ^2/NDF:3423454.9/40

All: 28.951+/-0.003 χ^2/NDF: 6102572.3/76



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.5/21

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:19.0/19

Left: -0.000+/-0.000 χ^2/NDF: 52.7/41

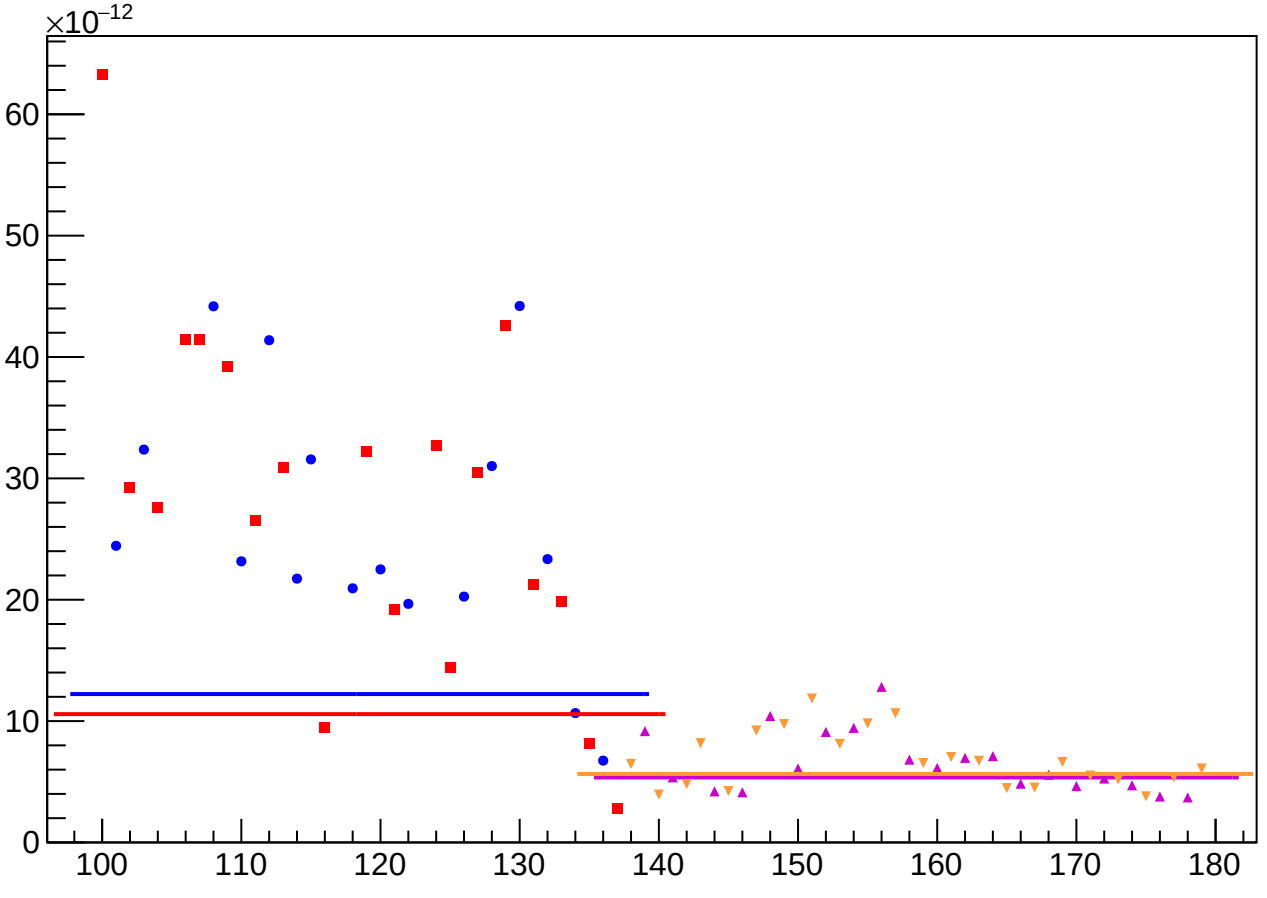
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:29.4/35

Out: -0.000+/-0.000 χ^2/NDF:54.9/40

All: -0.000+/-0.000 χ^2/NDF: 84.6/76

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2289653.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2132278.3/19

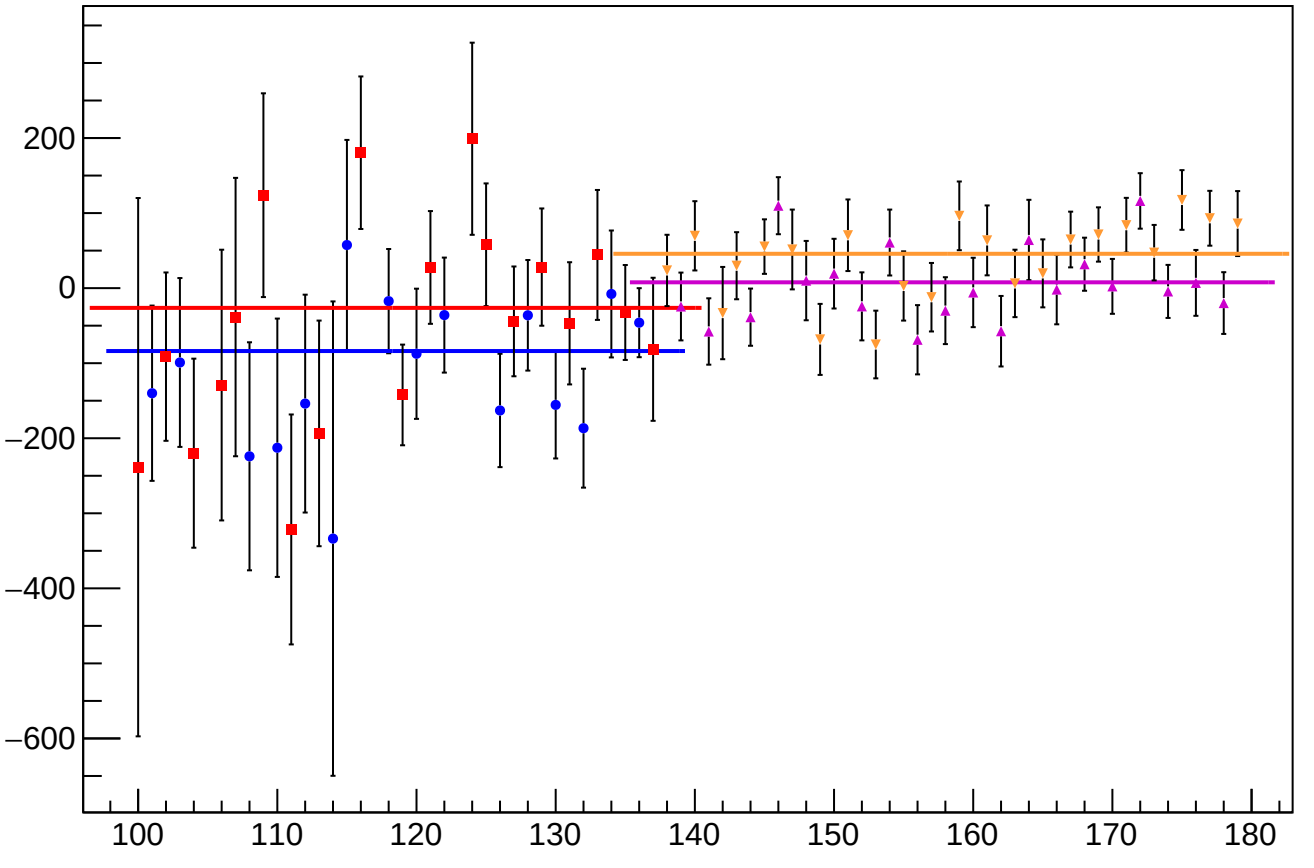
Left: 0.000+/-0.000 χ^2/NDF: 4451214.6/41

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:7485269.7/35

Out: 0.000+/-0.000 χ^2/NDF:8090056.6/40

All: 0.000+/-0.000 χ^2/NDF: 15589075.0/76



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.773+/-9.156 χ^2/NDF:28.2/21

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 7.763+/-9.488 χ^2/NDF:29.7/19

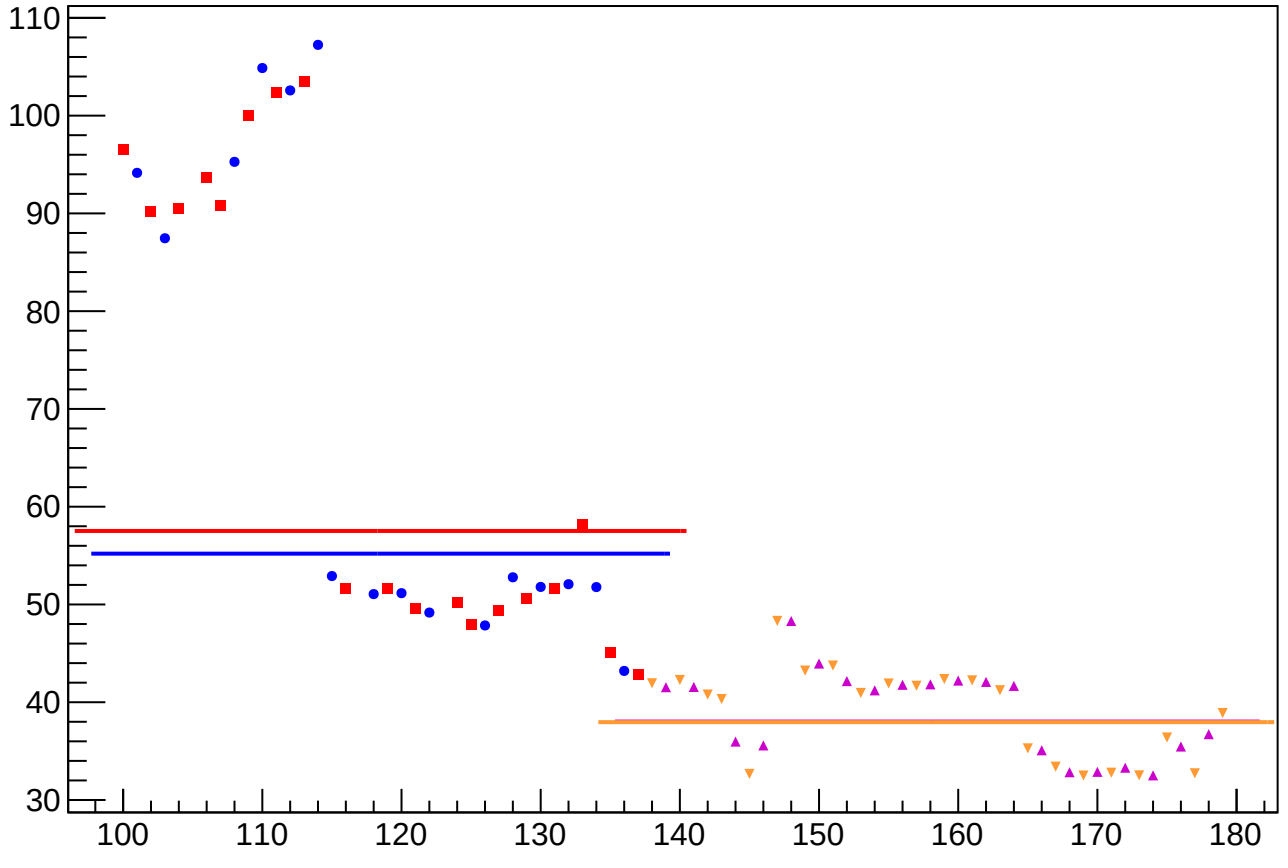
Left: 27.444+/-6.588 χ^2/NDF: 66.2/41

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -7.239+/-8.676 χ^2/NDF:55.5/35

Out: 35.188+/-8.457 χ^2/NDF:60.3/40

All: 14.517+/-6.056 χ^2/NDF: 128.1/76



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

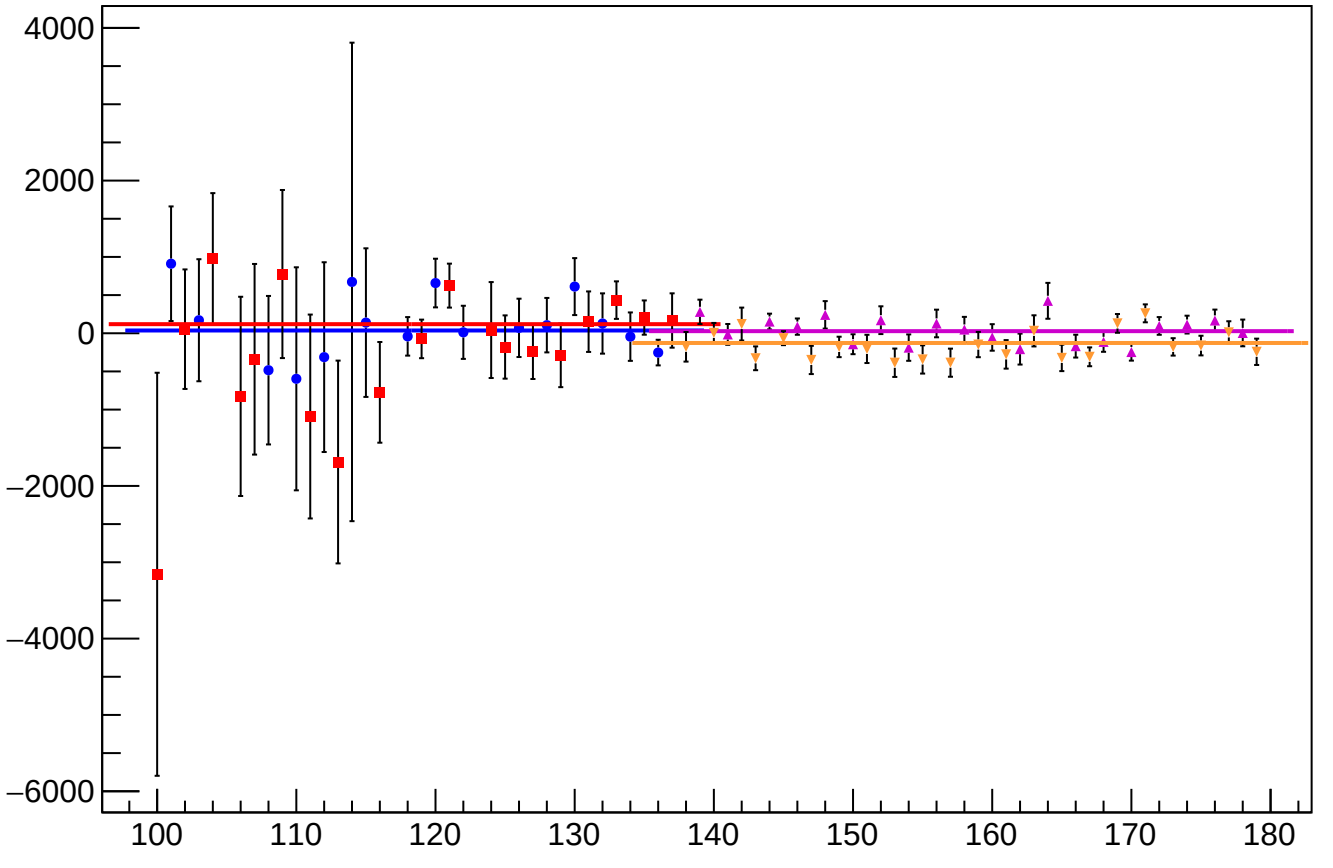
Left: 37.992+/-0.005 χ^2/NDF: 931586.1/41

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 40.837+/-0.006 χ^2/NDF:2649612.9/35

Out: 40.835+/-0.006 χ^2/NDF:3130066.4/40

All: 40.836+/-0.004 χ^2/NDF: 5779679.4/76



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 27.585+/-31.929 χ^2/NDF:25.0/19

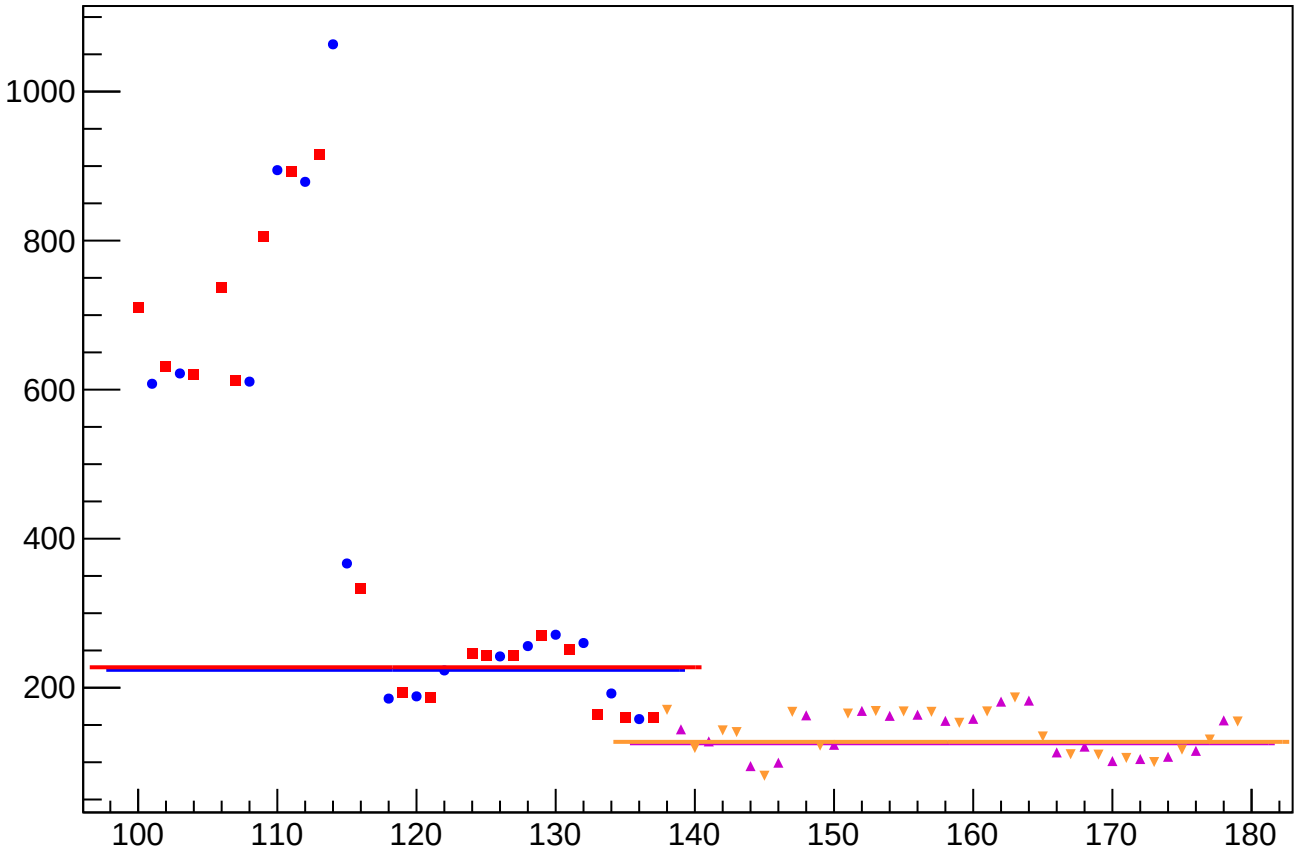
Left: -51.102+/-22.387 χ^2/NDF: 70.2/41

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 28.497+/-30.218 χ^2/NDF:36.4/35

Out: -103.309+/-29.836 χ^2/NDF:55.2/40

All: -38.243+/-21.231 χ^2/NDF: 101.3/76



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734386.5/21

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 125.469+/-0.023 χ^2/NDF:1402387.2/19

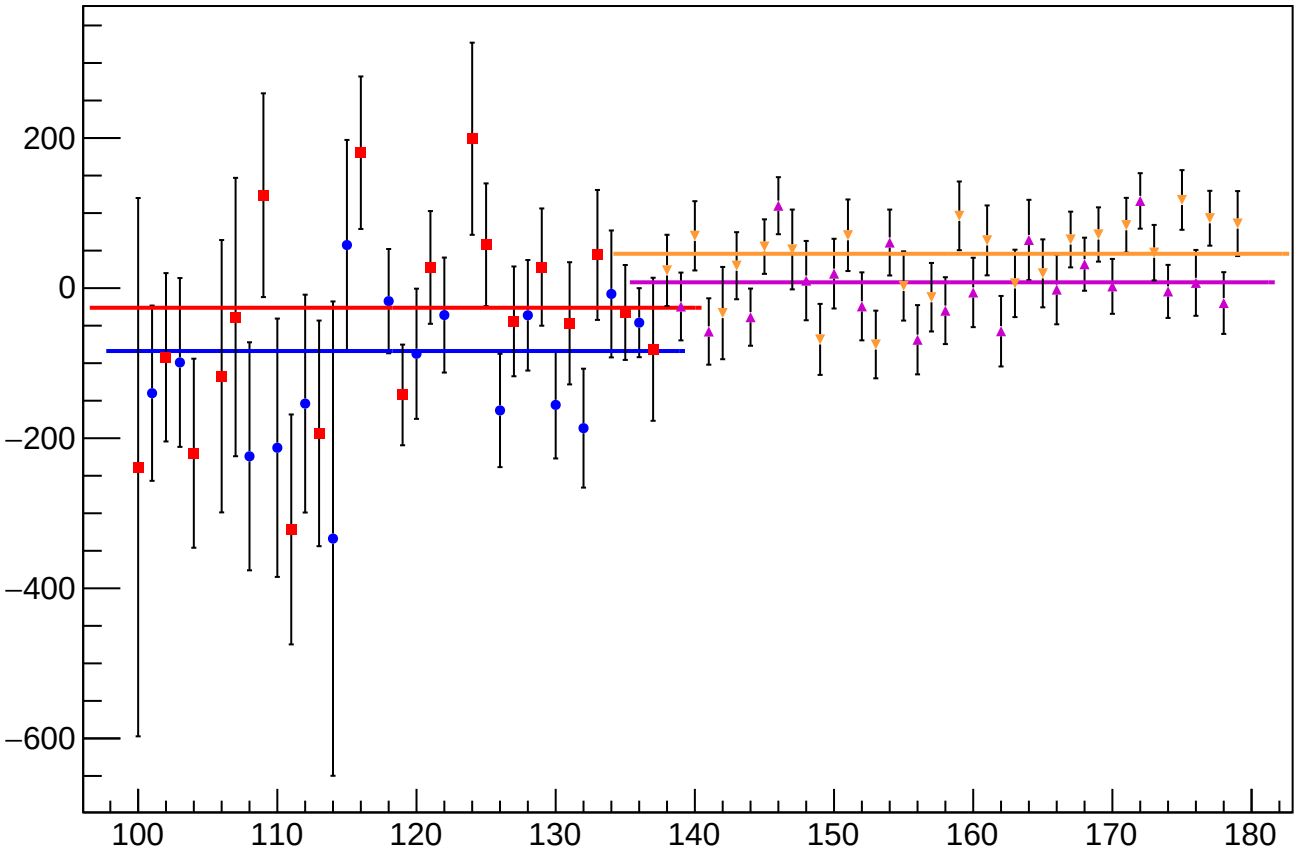
Left: 126.433+/-0.016 χ^2/NDF: 3140360.0/41

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

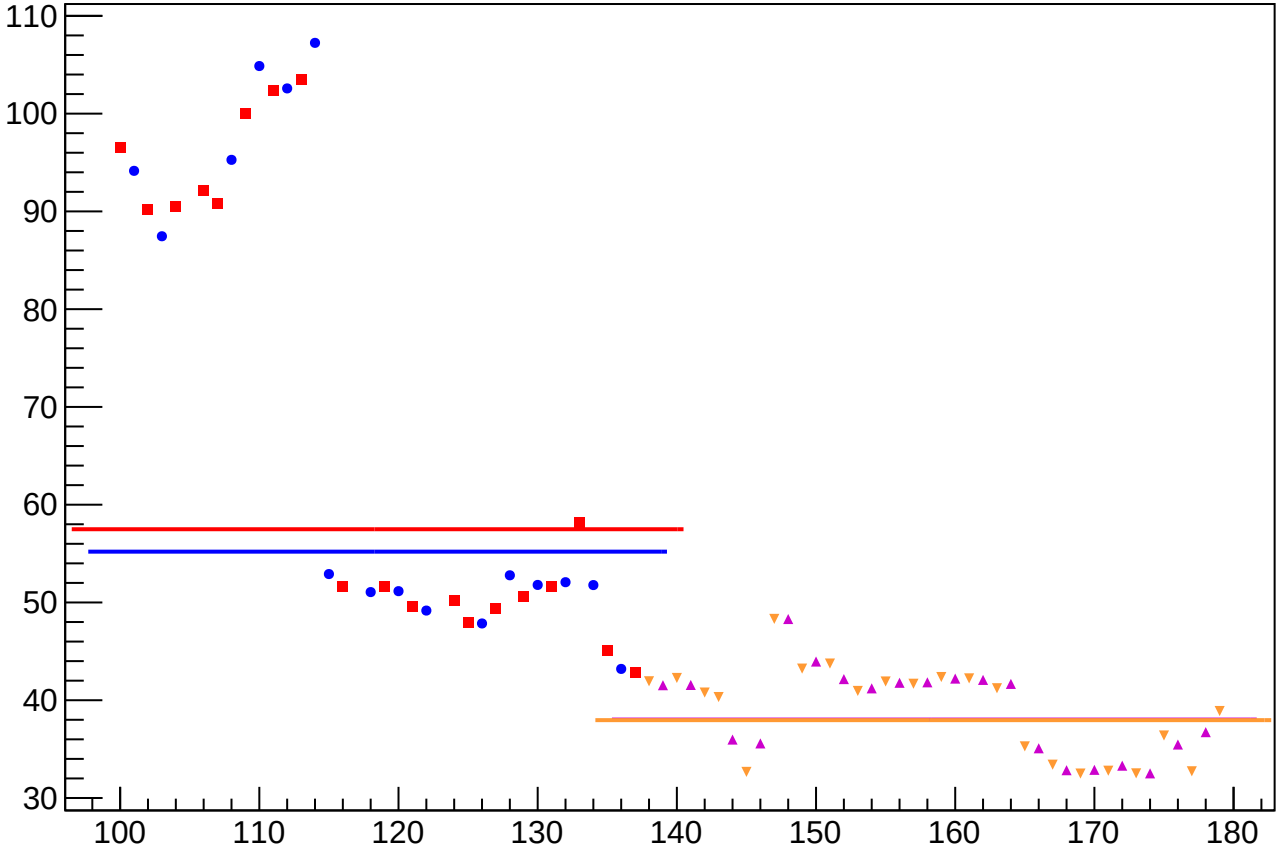
In: 135.750+/-0.021 χ^2/NDF:6358816.6/35

Out: 137.066+/-0.021 χ^2/NDF:7345010.5/40

All: 136.417+/-0.015 χ^2/NDF: 13705746.8/76


cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 45.774+/-9.156 χ²/NDF:28.2/21
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 7.763+/-9.488 χ²/NDF:29.7/19
Left: 27.445+/-6.588 χ²/NDF: 66.2/41
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -7.238+/-8.676 χ²/NDF:55.5/35
Out: 35.214+/-8.457 χ²/NDF:60.2/40
All: 14.530+/-6.056 χ²/NDF: 128.0/76

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

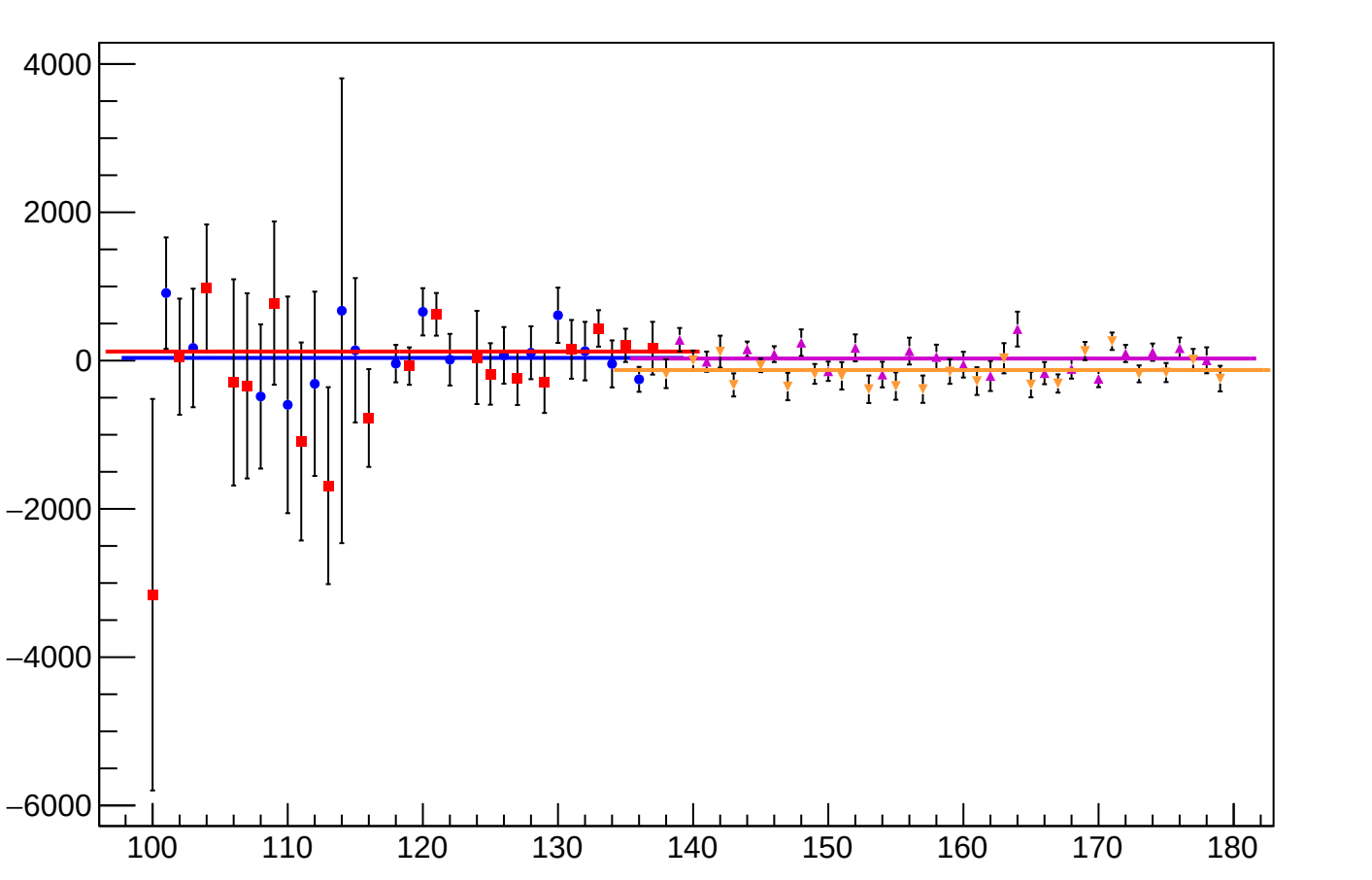
Left: 37.992+/-0.005 χ^2/NDF: 931586.0/41

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.837+/-0.006 χ^2/NDF:2649613.1/35

Out: 40.830+/-0.006 χ^2/NDF:3118487.2/40

All: 40.833+/-0.004 χ^2/NDF: 5768100.9/76



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 27.586+/-31.929 χ^2/NDF:25.0/19

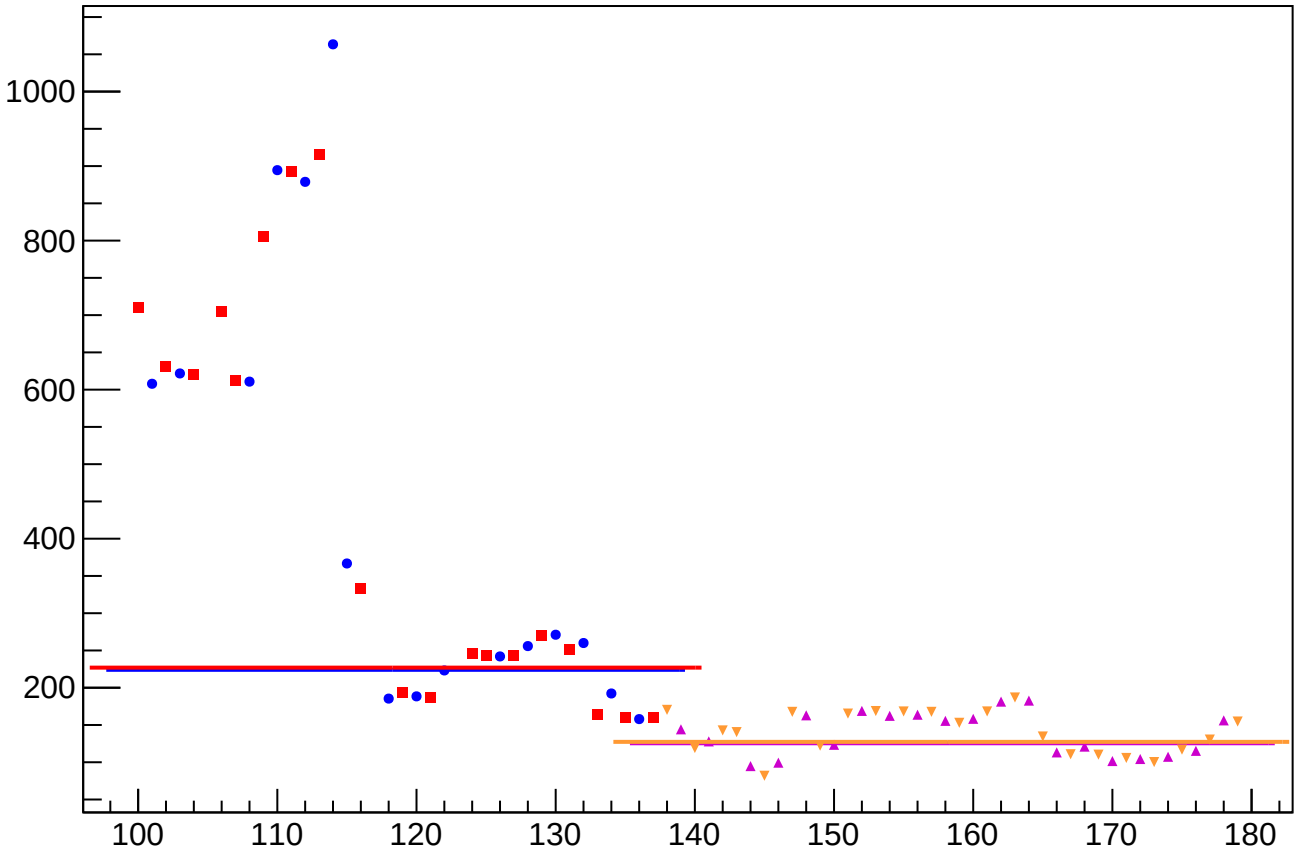
Left: -51.101+/-22.387 χ^2/NDF: 70.2/41

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 28.498+/-30.218 χ^2/NDF:36.4/35

Out: -103.021+/-29.837 χ^2/NDF:54.9/40

All: -38.095+/-21.231 χ^2/NDF: 100.9/76



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.469+/-0.023 χ^2/NDF:1402395.9/19

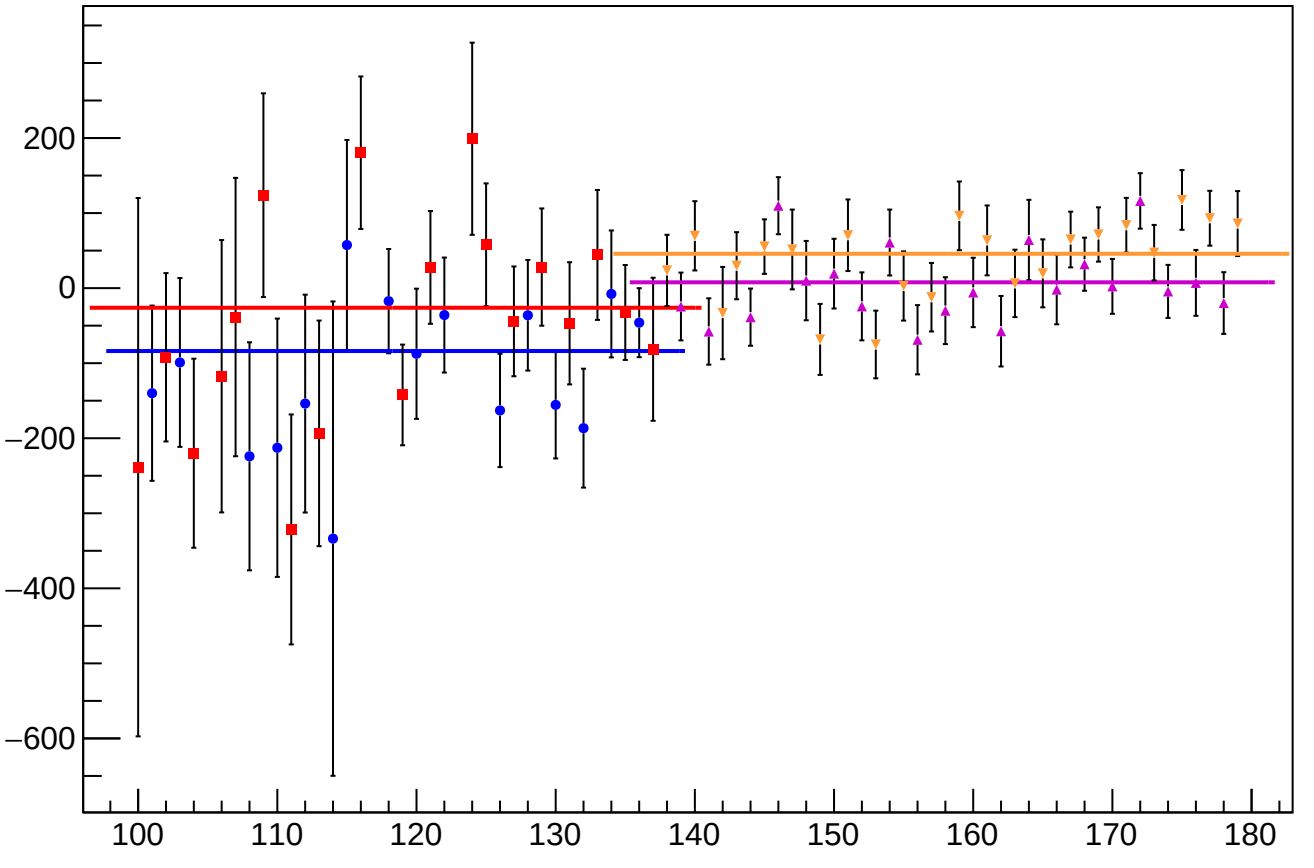
Left: 126.433+/-0.016 χ^2/NDF: 3140364.9/41

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.750+/-0.021 χ^2/NDF:6358836.1/35

Out: 137.014+/-0.021 χ^2/NDF:7256322.4/40

All: 136.390+/-0.015 χ^2/NDF: 13616929.1/76



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 45.774+/-9.156 χ^2/NDF:28.2/21

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 7.763+/-9.488 χ^2/NDF:29.7/19

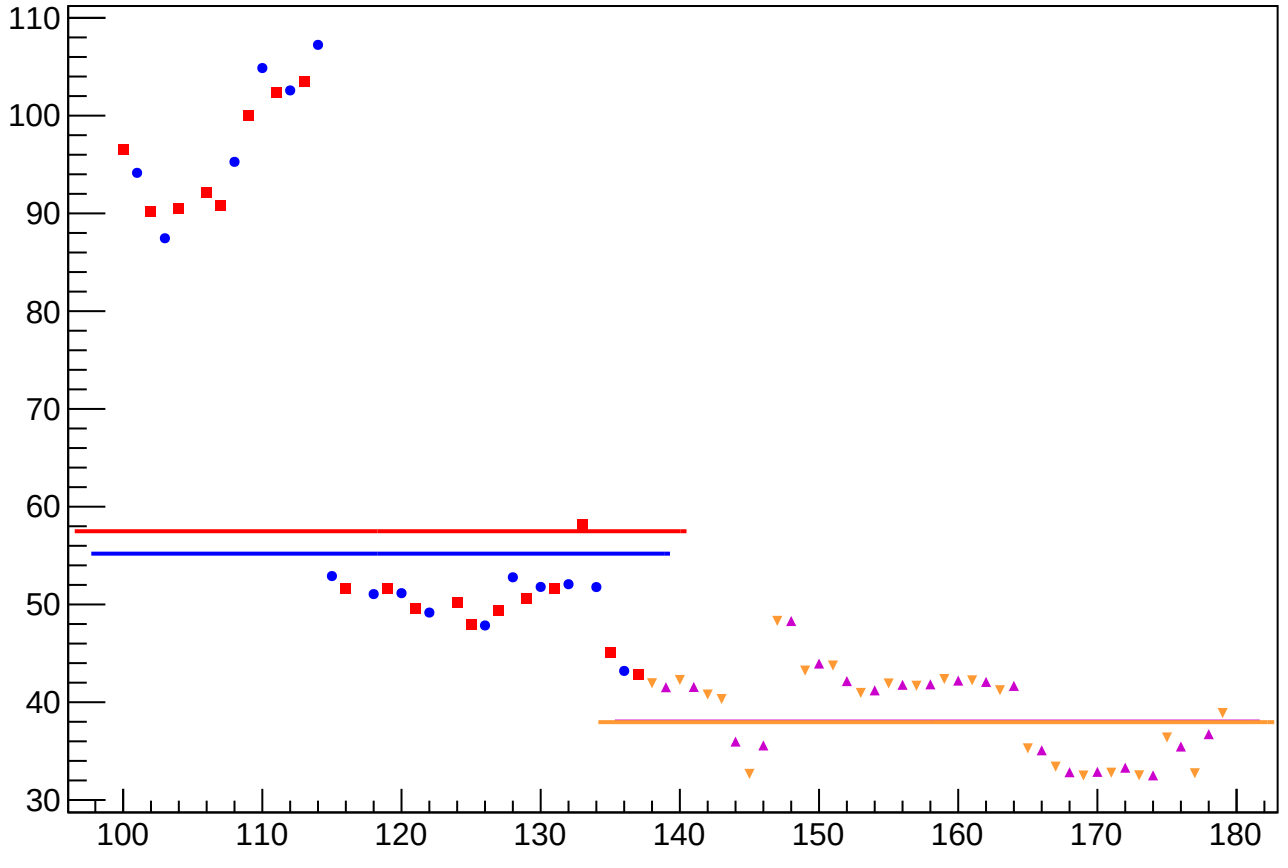
Left: 27.445+/-6.588 χ^2/NDF: 66.2/41

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.238+/-8.676 χ^2/NDF:55.5/35

Out: 35.214+/-8.457 χ^2/NDF:60.2/40

All: 14.530+/-6.056 χ^2/NDF: 128.0/76



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.963+/-0.006 χ^2/NDF:508150.5/21

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.023+/-0.007 χ^2/NDF:423393.2/19

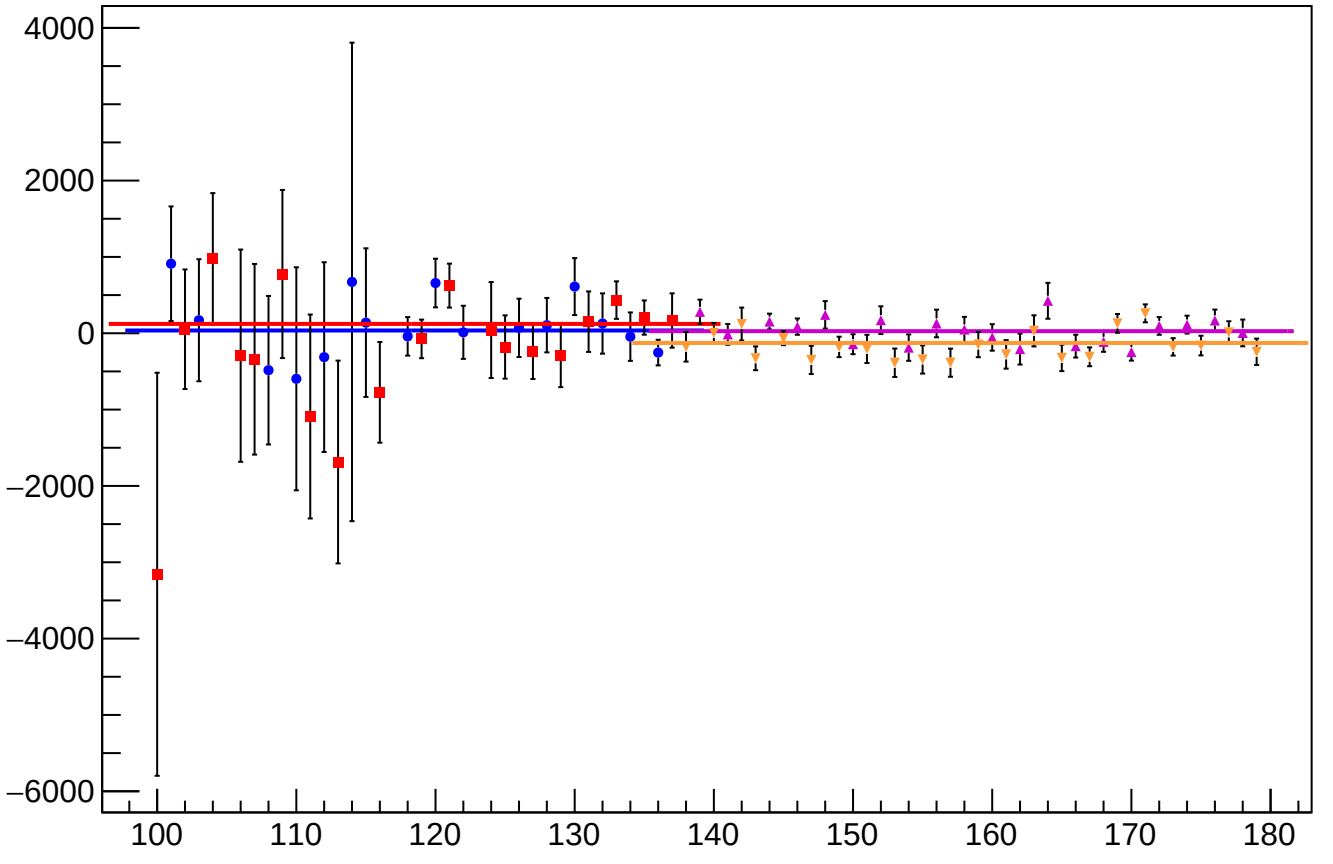
Left: 37.992+/-0.005 χ^2/NDF: 931586.0/41

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.837+/-0.006 χ^2/NDF:2649613.1/35

Out: 40.830+/-0.006 χ^2/NDF:3118487.2/40

All: 40.833+/-0.004 χ^2/NDF: 5768100.9/76



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.188+/-31.397 χ^2/NDF:33.2/21

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 27.586+/-31.929 χ^2/NDF:25.0/19

Left: -51.101+/-22.387 χ^2/NDF: 70.2/41

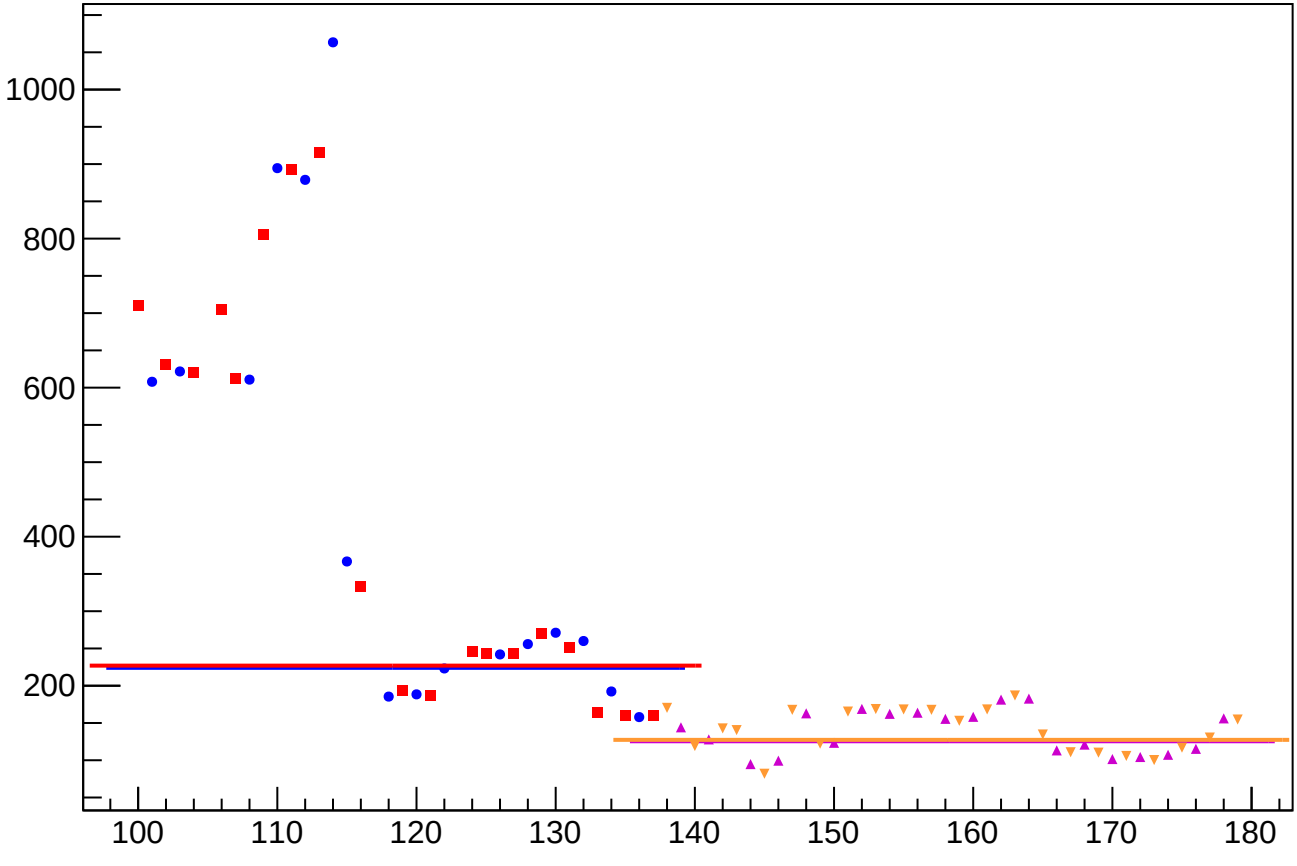
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 28.498+/-30.218 χ^2/NDF:36.4/35

Out: -103.021+/-29.837 χ^2/NDF:54.9/40

All: -38.095+/-21.231 χ^2/NDF: 100.9/76

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 127.365+/-0.022 χ^2/NDF:1734382.3/21

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 125.469+/-0.023 χ^2/NDF:1402395.9/19

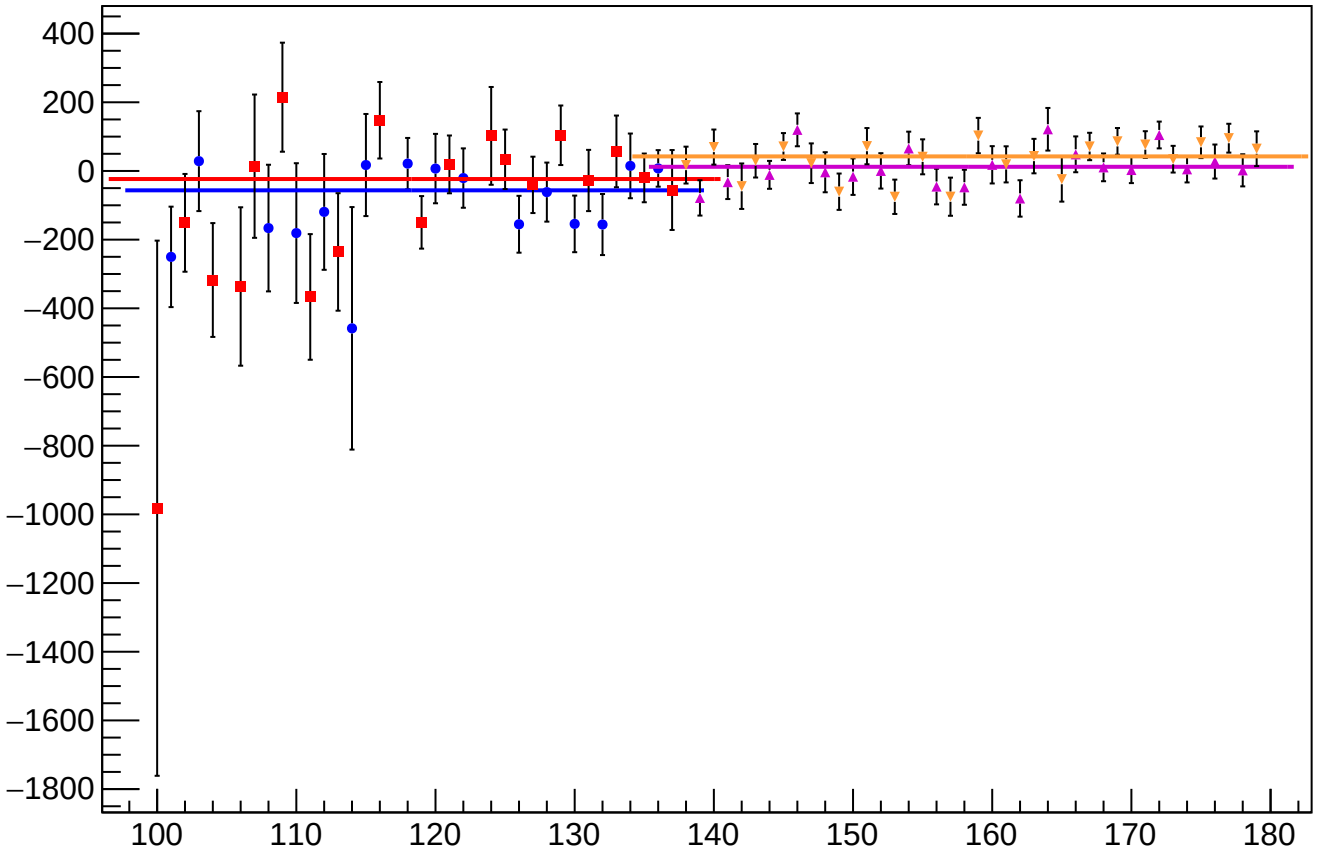
Left: 126.433+/-0.016 χ^2/NDF: 3140364.9/41

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.750+/-0.021 χ^2/NDF:6358836.1/35

Out: 137.014+/-0.021 χ^2/NDF:7256322.4/40

All: 136.390+/-0.015 χ^2/NDF: 13616929.1/76



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 42.385+/-10.221 χ^2/NDF:24.9/21

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 12.127+/-10.627 χ^2/NDF:26.0/19

Left: 27.844+/-7.367 χ^2/NDF: 55.1/41

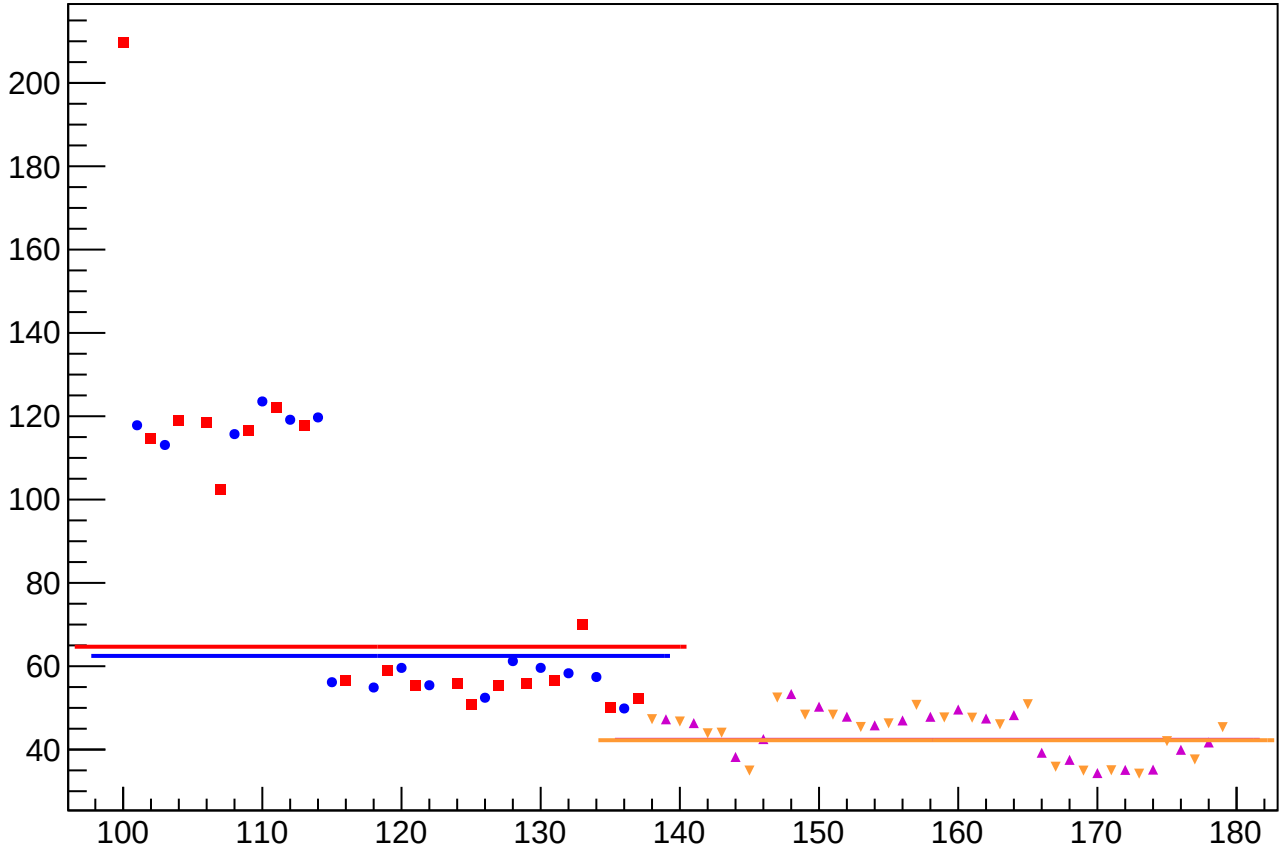
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 1.265+/-9.749 χ^2/NDF:44.9/35

Out: 33.052+/-9.470 χ^2/NDF:54.8/40

All: 17.620+/-6.793 χ^2/NDF: 105.2/76

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.240+/-0.007 χ^2/NDF:688374.2/21

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.335+/-0.008 χ^2/NDF:579312.1/19

Left: 42.286+/-0.005 χ^2/NDF: 1267769.4/41

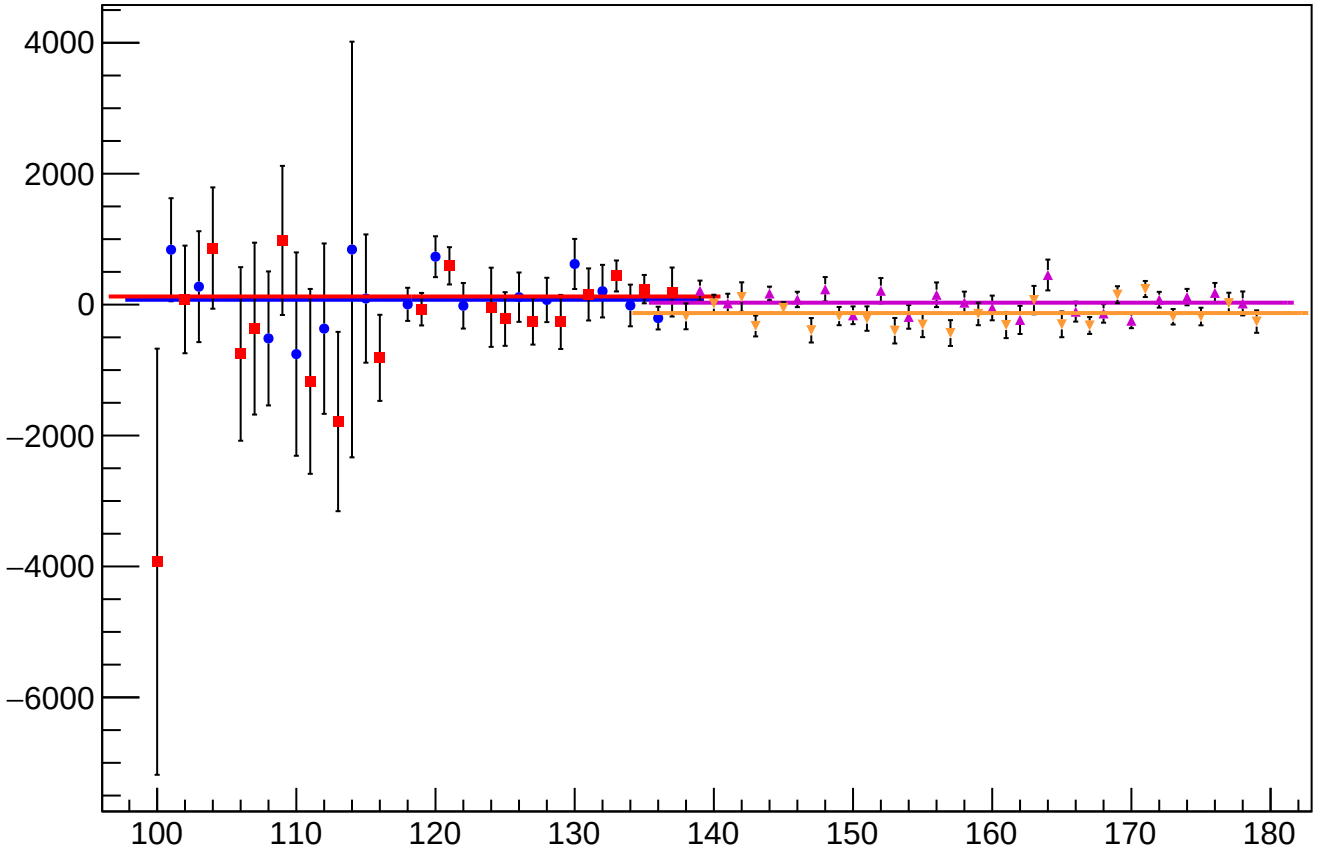
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.527+/-0.007 χ^2/NDF:3065772.2/35

Out: 45.419+/-0.007 χ^2/NDF:3644339.4/40

All: 45.471+/-0.005 χ^2/NDF: 6710237.0/76

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -128.807+/-32.593 χ^2/NDF:32.2/21

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 29.544+/-33.333 χ^2/NDF:23.8/19

Left: -51.408+/-23.304 χ^2/NDF: 67.6/41

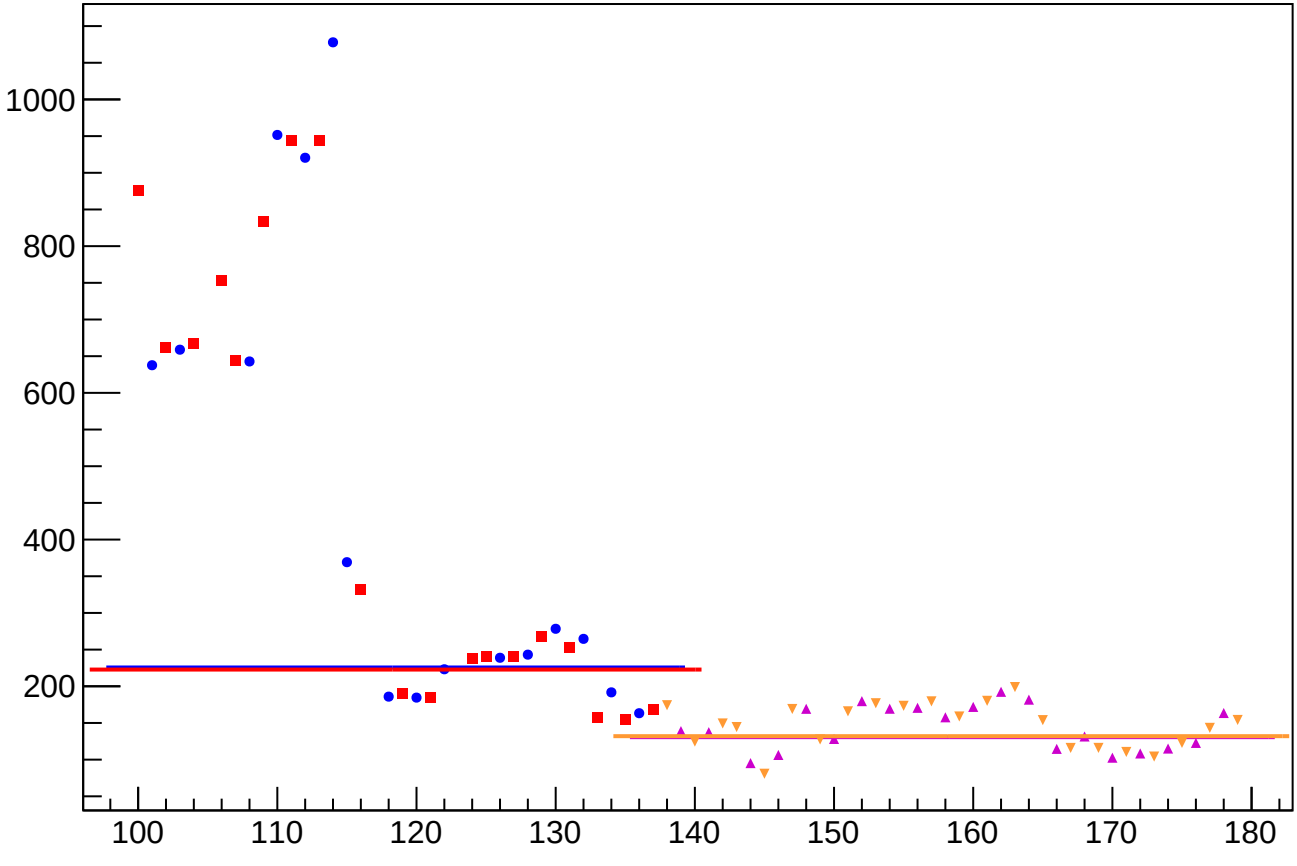
Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 34.497+/-31.435 χ^2/NDF:35.2/35

Out: -101.993+/-30.818 χ^2/NDF:54.9/40

All: -35.100+/-22.006 χ^2/NDF: 99.8/76

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.985+/-0.023 χ^2/NDF:1896155.0/21

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 130.649+/-0.024 χ^2/NDF:1439510.1/19

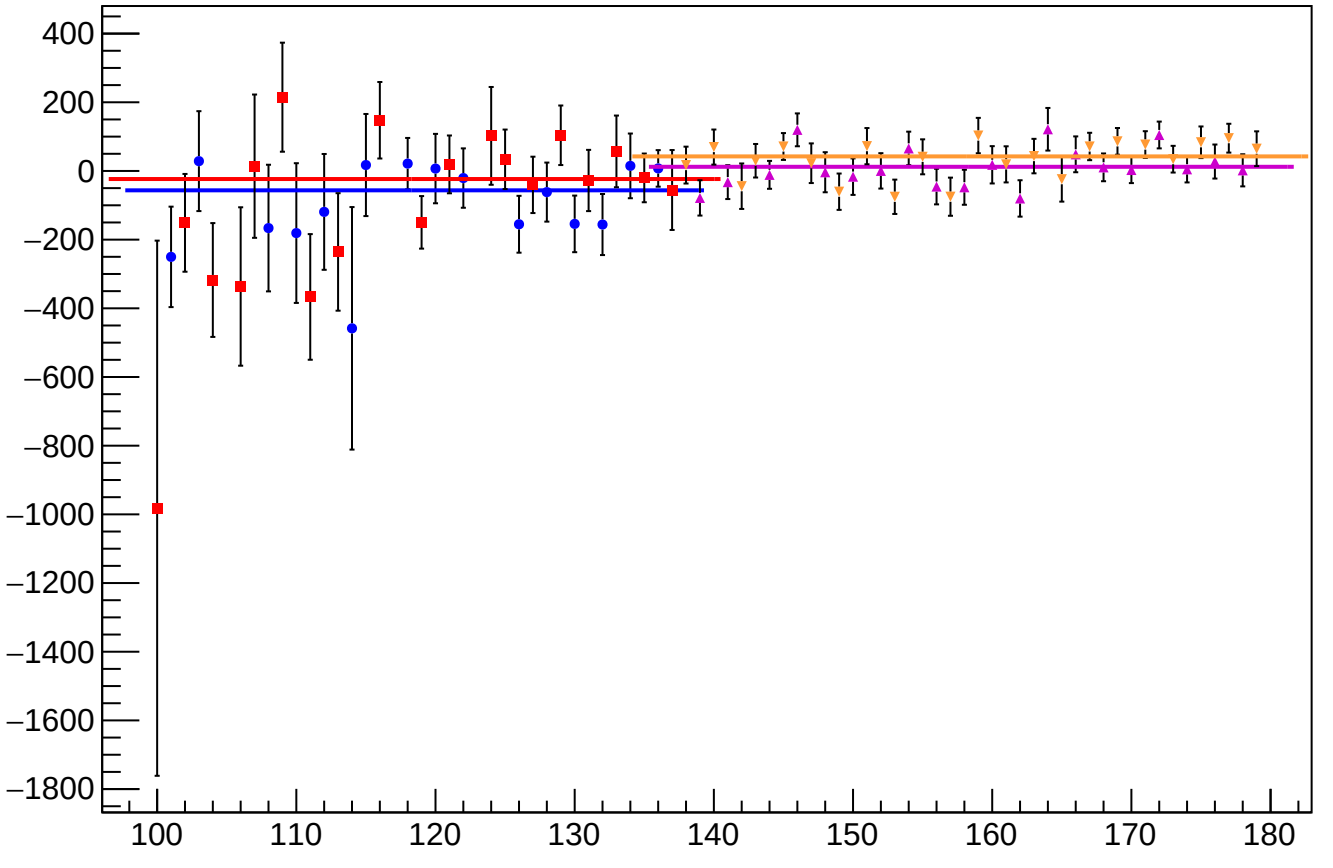
Left: 131.332+/-0.016 χ^2/NDF: 3337308.7/41

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 141.158+/-0.022 χ^2/NDF:6262040.7/35

Out: 141.608+/-0.022 χ^2/NDF:7389345.1/40

All: 141.388+/-0.016 χ^2/NDF: 13651594.6/76



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 42.386+/-10.221 χ^2/NDF:24.9/21

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 12.127+/-10.627 χ^2/NDF:26.0/19

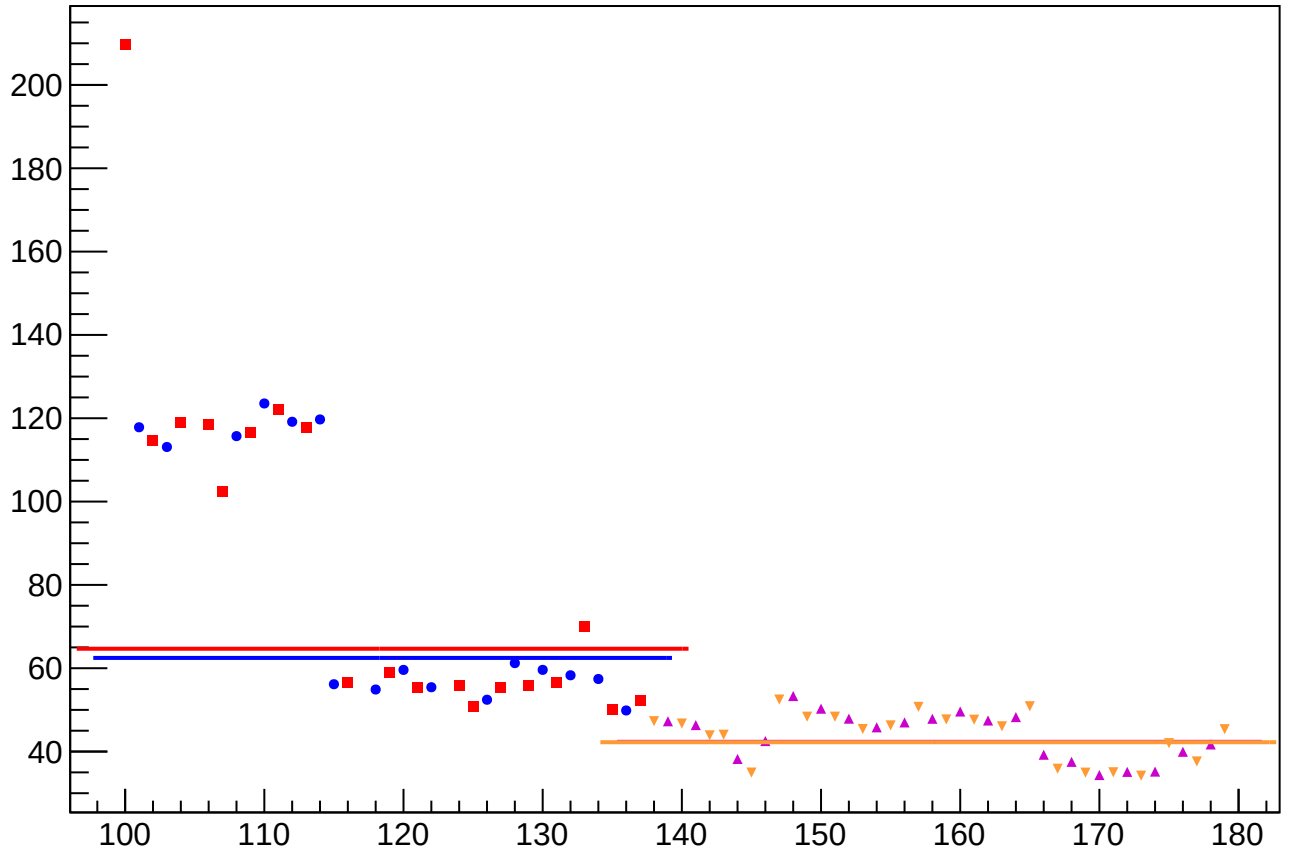
Left: 27.845+/-7.367 χ^2/NDF: 55.1/41

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 1.265+/-9.749 χ^2/NDF:44.9/35

Out: 33.053+/-9.470 χ^2/NDF:54.8/40

All: 17.620+/-6.793 χ^2/NDF: 105.2/76



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.240+/-0.007 χ^2/NDF:688392.4/21

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.335+/-0.008 χ^2/NDF:579316.1/19

Left: 42.286+/-0.005 χ^2/NDF: 1267791.6/41

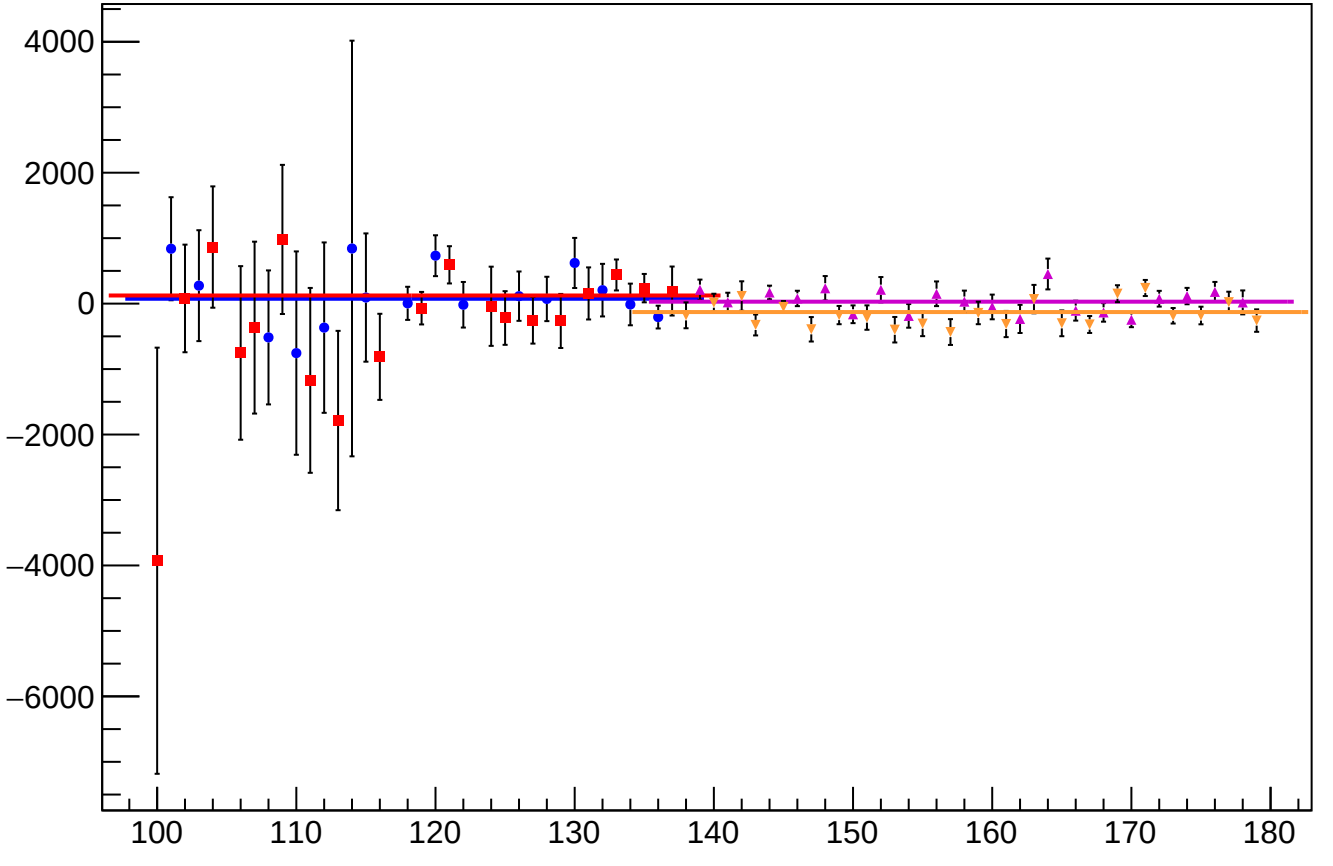
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.527+/-0.007 χ^2/NDF:3065707.4/35

Out: 45.419+/-0.007 χ^2/NDF:3644314.1/40

All: 45.471+/-0.005 χ^2/NDF: 6710146.9/76

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -128.806+/-32.593 χ^2/NDF:32.2/21

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 29.545+/-33.333 χ^2/NDF:23.8/19

Left: -51.407+/-23.304 χ^2/NDF: 67.6/41

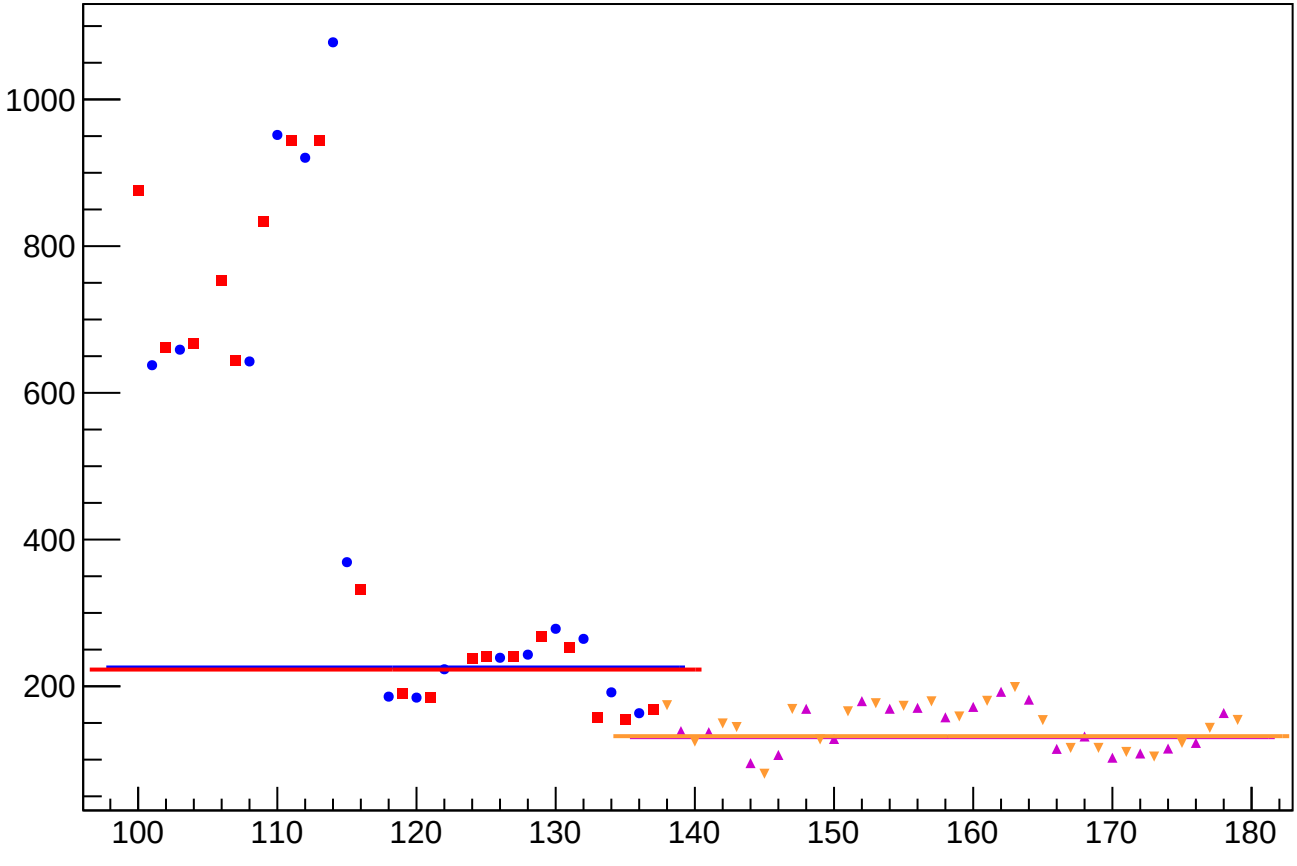
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 34.497+/-31.435 χ^2/NDF:35.2/35

Out: -101.993+/-30.818 χ^2/NDF:54.9/40

All: -35.100+/-22.006 χ^2/NDF: 99.8/76

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.985+/-0.023 χ^2/NDF:1896147.7/21

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 130.649+/-0.024 χ^2/NDF:1439509.1/19

Left: 131.332+/-0.016 χ^2/NDF: 3337300.5/41

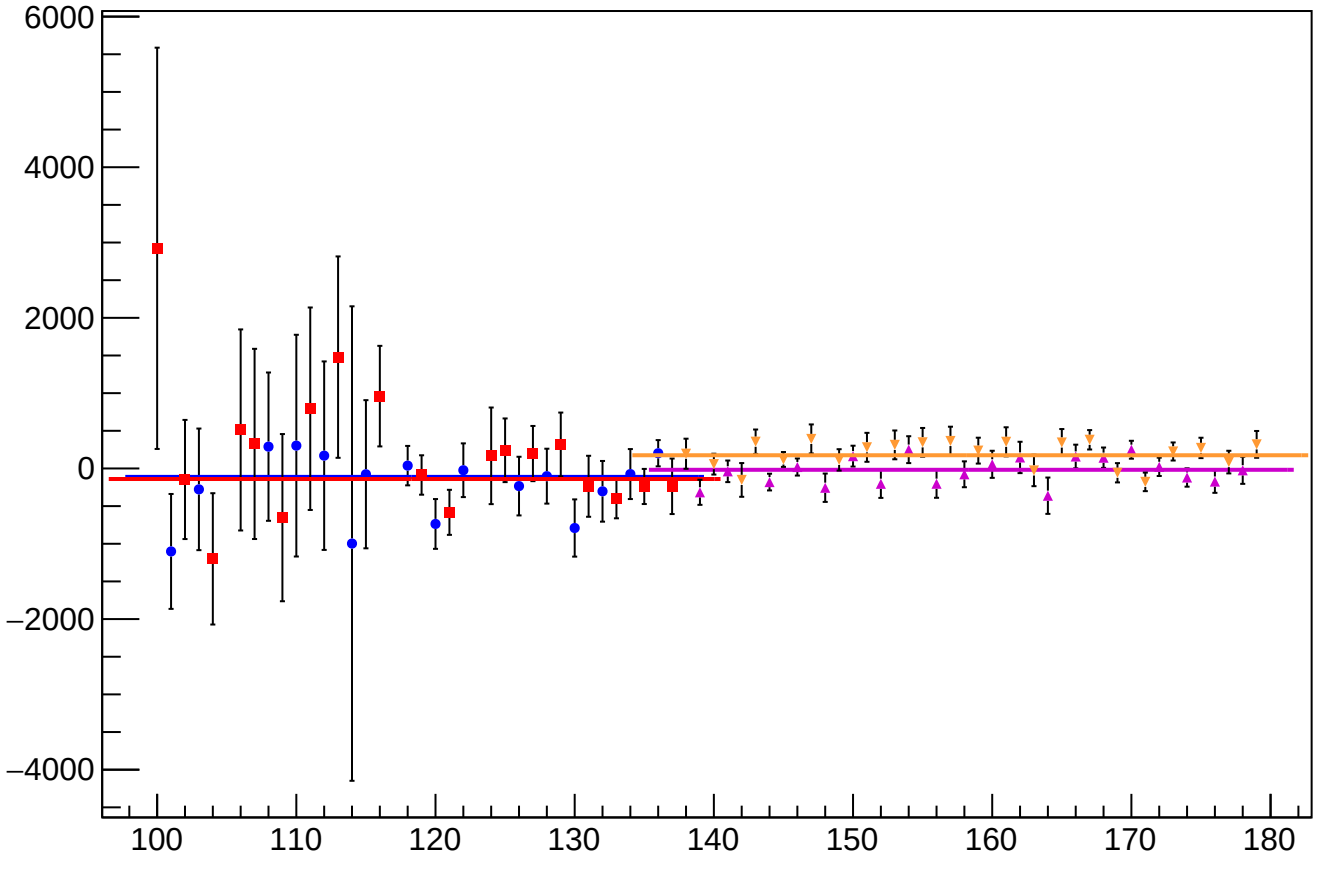
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 141.159+/-0.022 χ^2/NDF:6262020.0/35

Out: 141.609+/-0.022 χ^2/NDF:7389322.1/40

All: 141.388+/-0.016 χ^2/NDF: 13651551.0/76

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 175.391+/-32.861 χ^2/NDF:27.1/21

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -17.753+/-33.459 χ^2/NDF:25.6/19

Left: 80.560+/-23.445 χ^2/NDF: 69.6/41

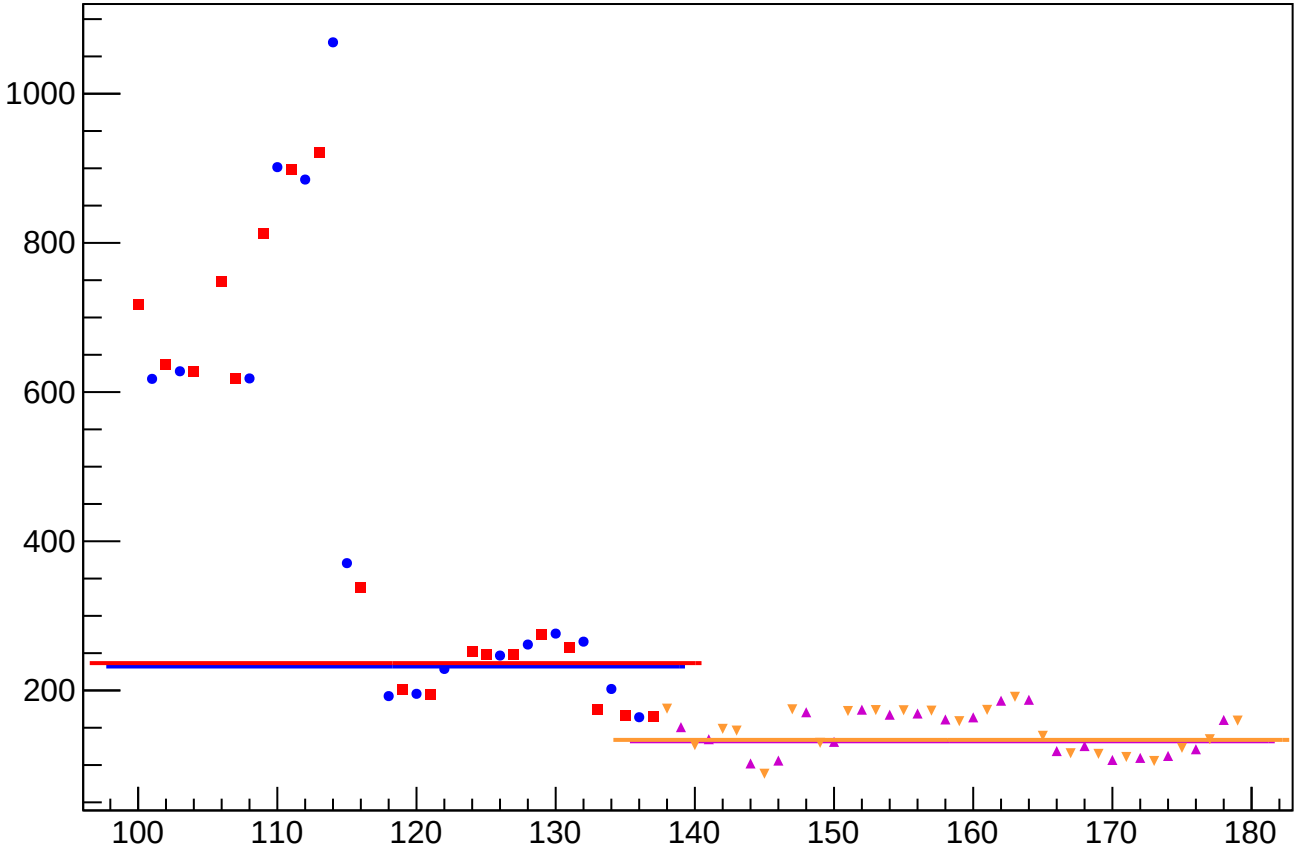
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -27.848+/-31.614 χ^2/NDF:39.2/35

Out: 144.192+/-31.193 χ^2/NDF:50.8/40

All: 59.325+/-22.204 χ^2/NDF: 105.1/76

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.717+/-0.023 χ^2/NDF:1569274.6/21

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.848+/-0.024 χ^2/NDF:1271689.7/19

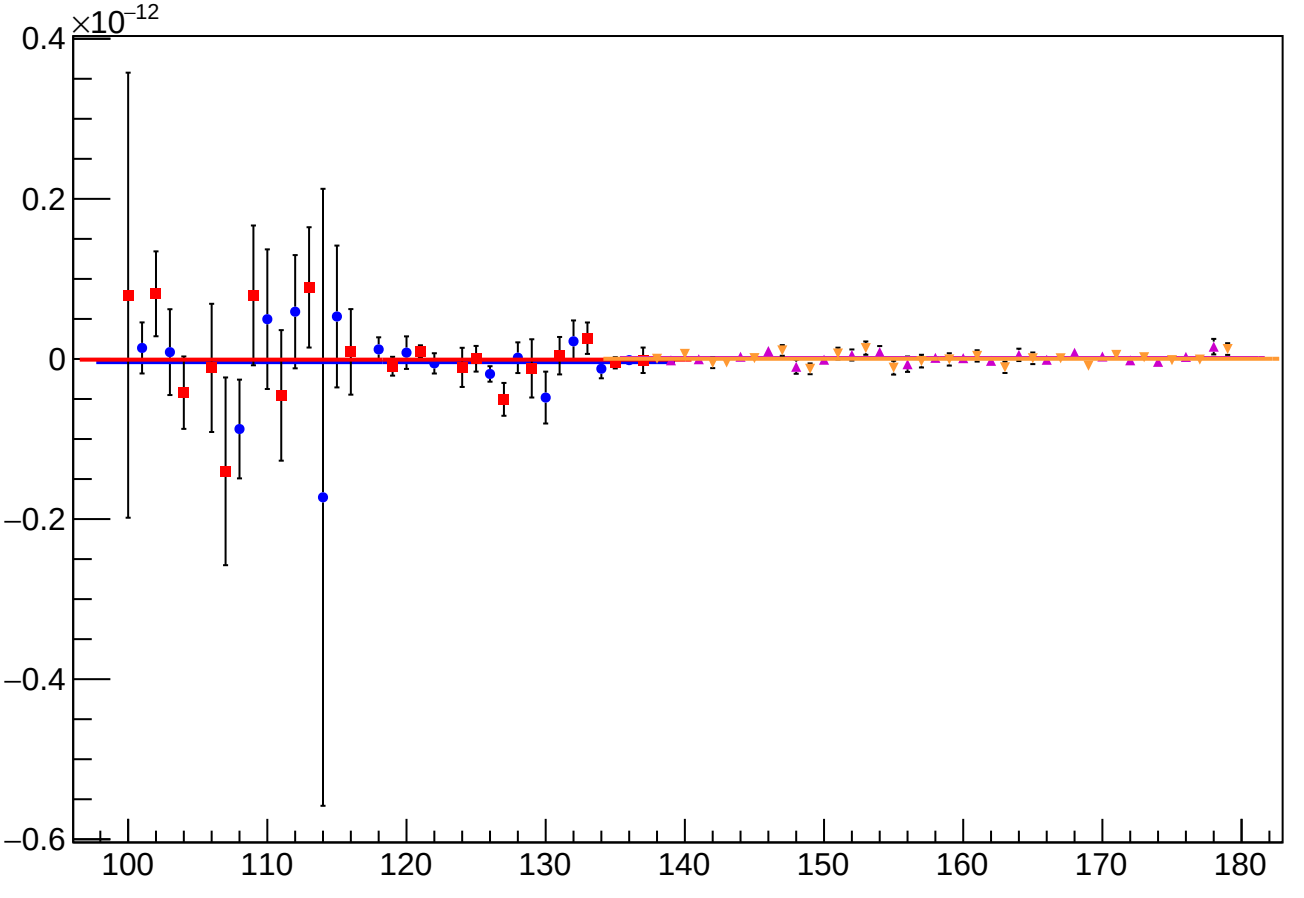
Left: 132.799+/-0.017 χ^2/NDF: 2844141.3/41

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.597+/-0.022 χ^2/NDF:6082564.9/35

Out: 143.900+/-0.022 χ^2/NDF:7031538.5/40

All: 143.257+/-0.016 χ^2/NDF: 13115824.0/76



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/21

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/19

Left: 0.000+/-0.000 χ^2/NDF: 39.5/41

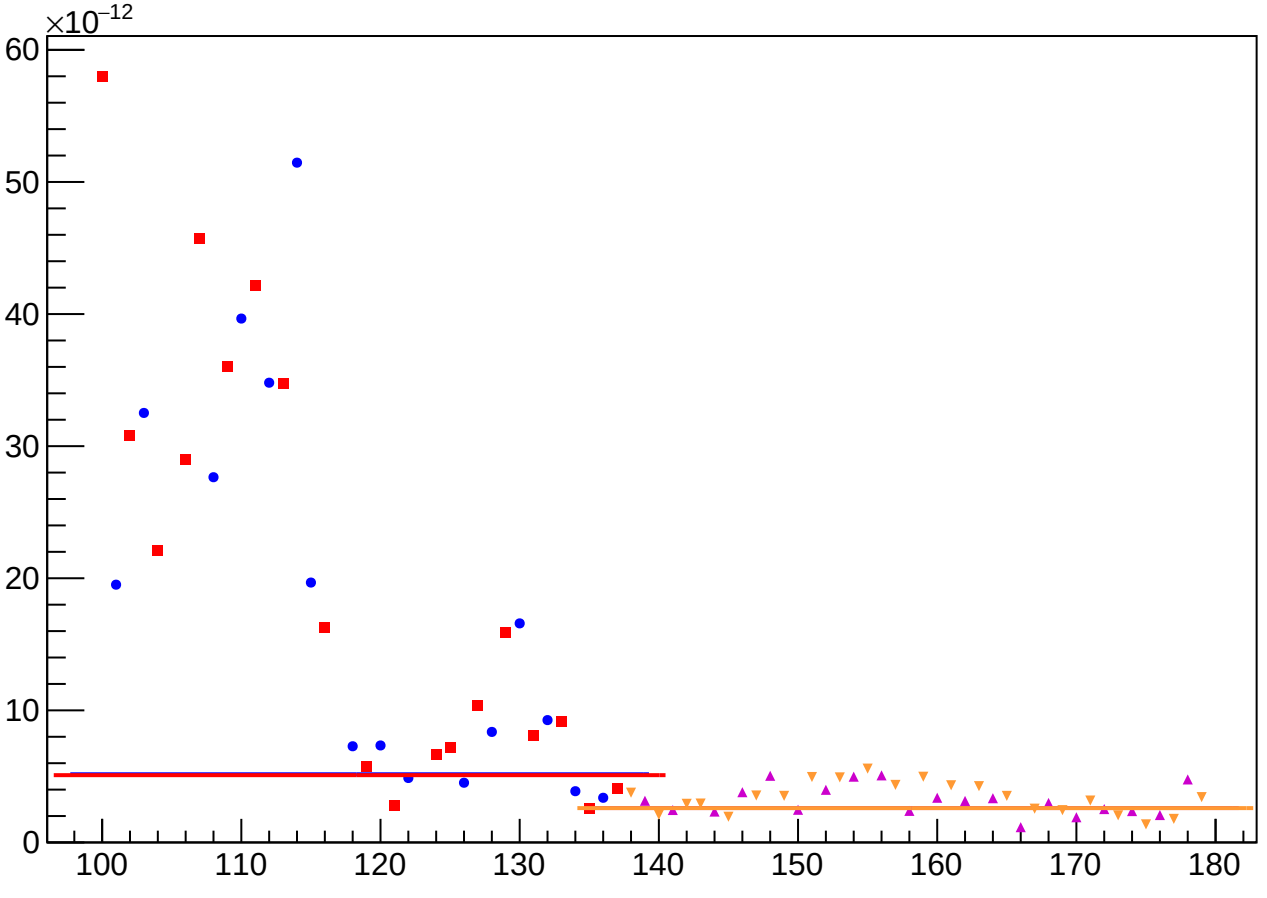
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:26.5/35

Out: 0.000+/-0.000 χ^2/NDF:44.0/40

All: 0.000+/-0.000 χ^2/NDF: 70.6/76

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2107435.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1374597.6/19

Left: 0.000+/-0.000 χ^2/NDF: 3482059.8/41

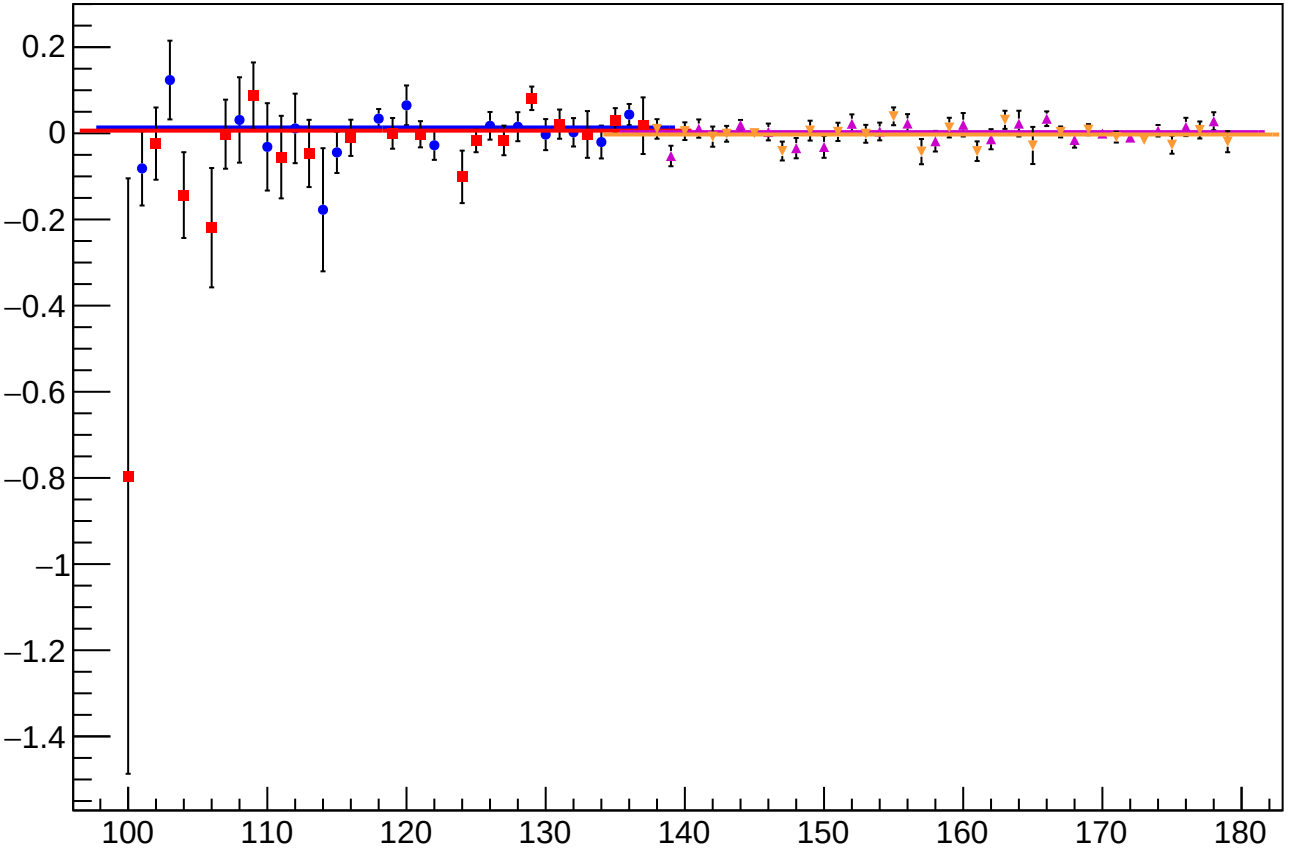
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4880871.6/35

Out: 0.000+/-0.000 χ^2/NDF:6087103.9/40

All: 0.000+/-0.000 χ^2/NDF: 10971092.7/76

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: -0.000+/-0.003 χ^2/NDF: 45.1/41

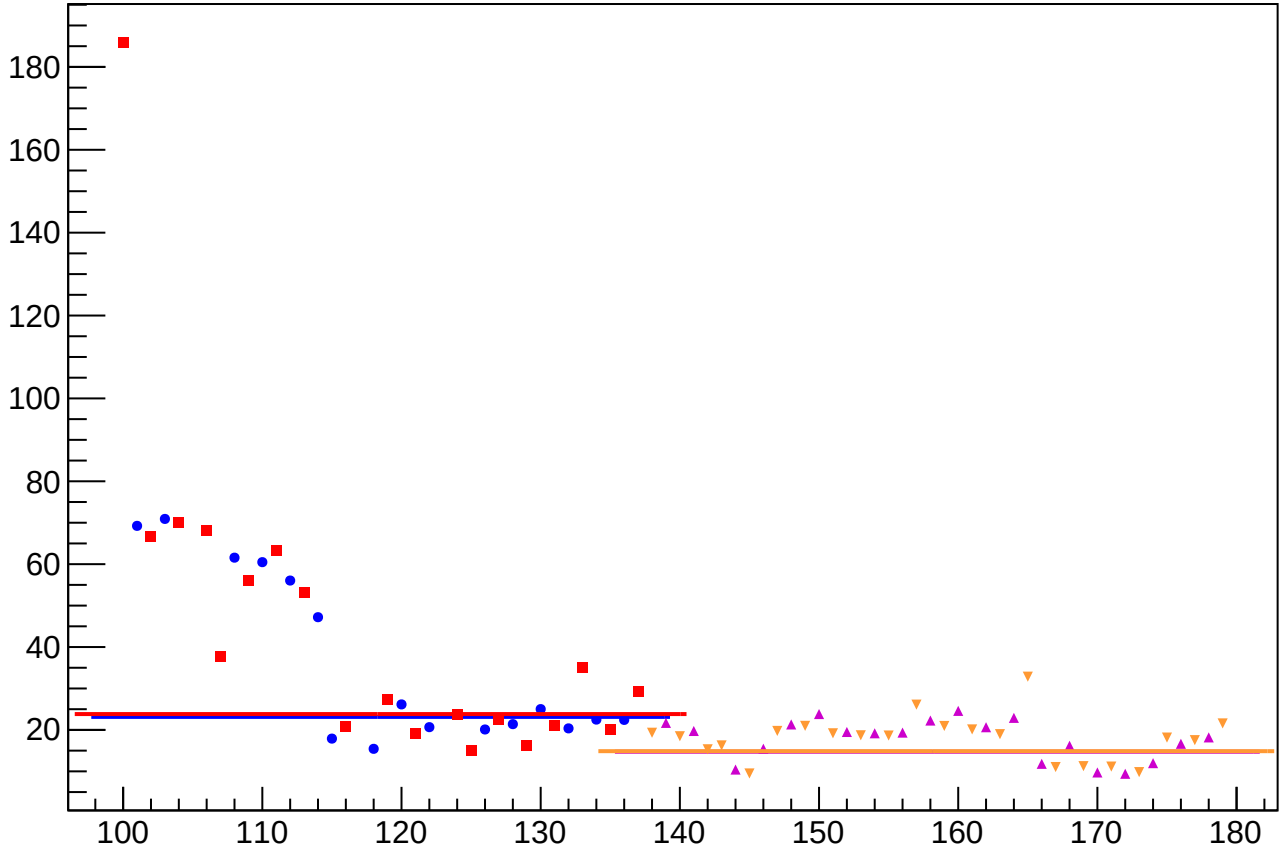
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 80.9/76

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177762.3/21

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.735+/-0.003 χ^2/NDF:3127098.9/19

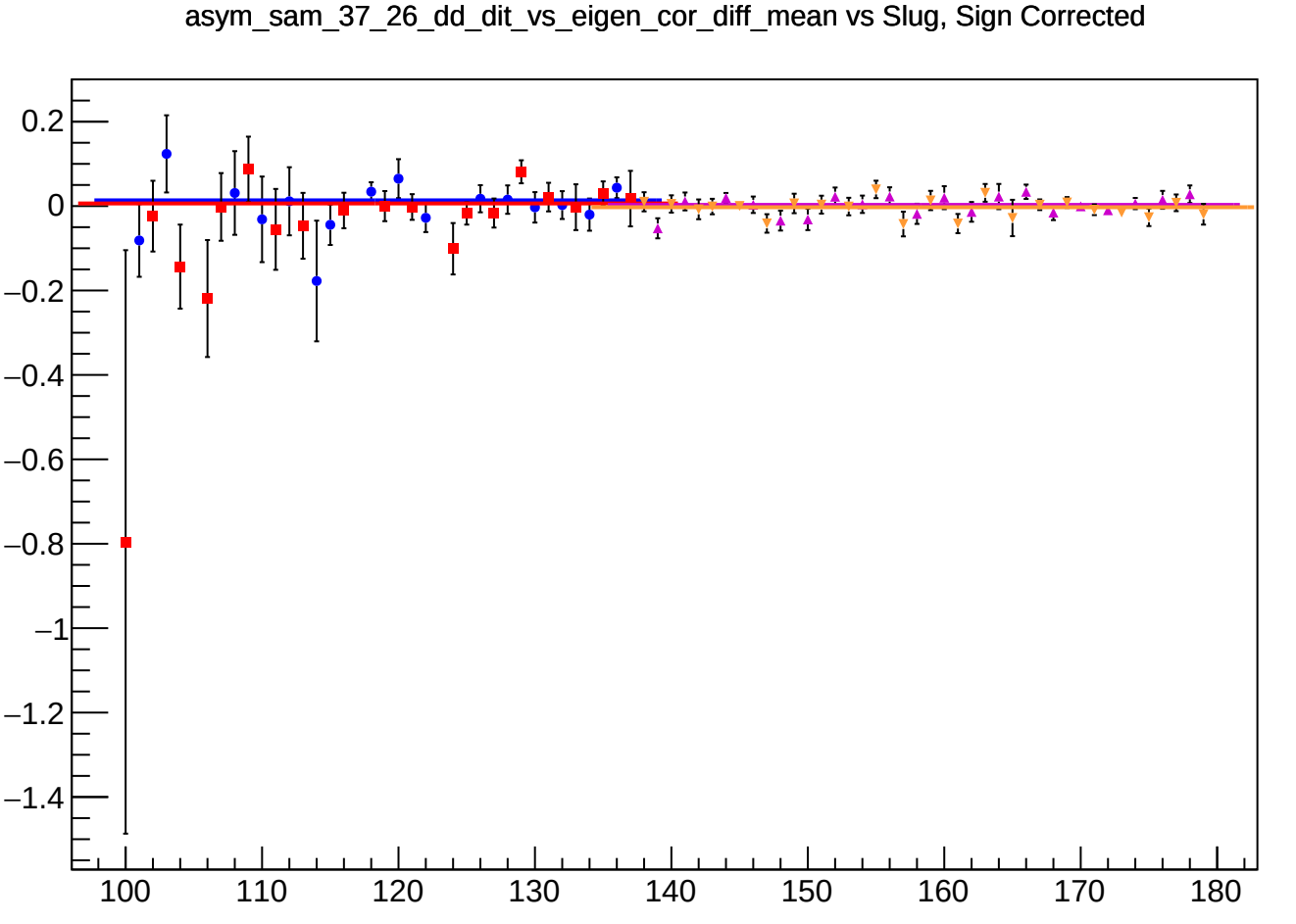
Left: 14.805+/-0.002 χ^2/NDF: 6306044.8/41

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.908+/-0.003 χ^2/NDF:6788967.9/35

Out: 15.996+/-0.003 χ^2/NDF:7460071.4/40

All: 15.954+/-0.002 χ^2/NDF: 14249631.9/76



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: -0.000+/-0.003 χ^2/NDF: 45.1/41

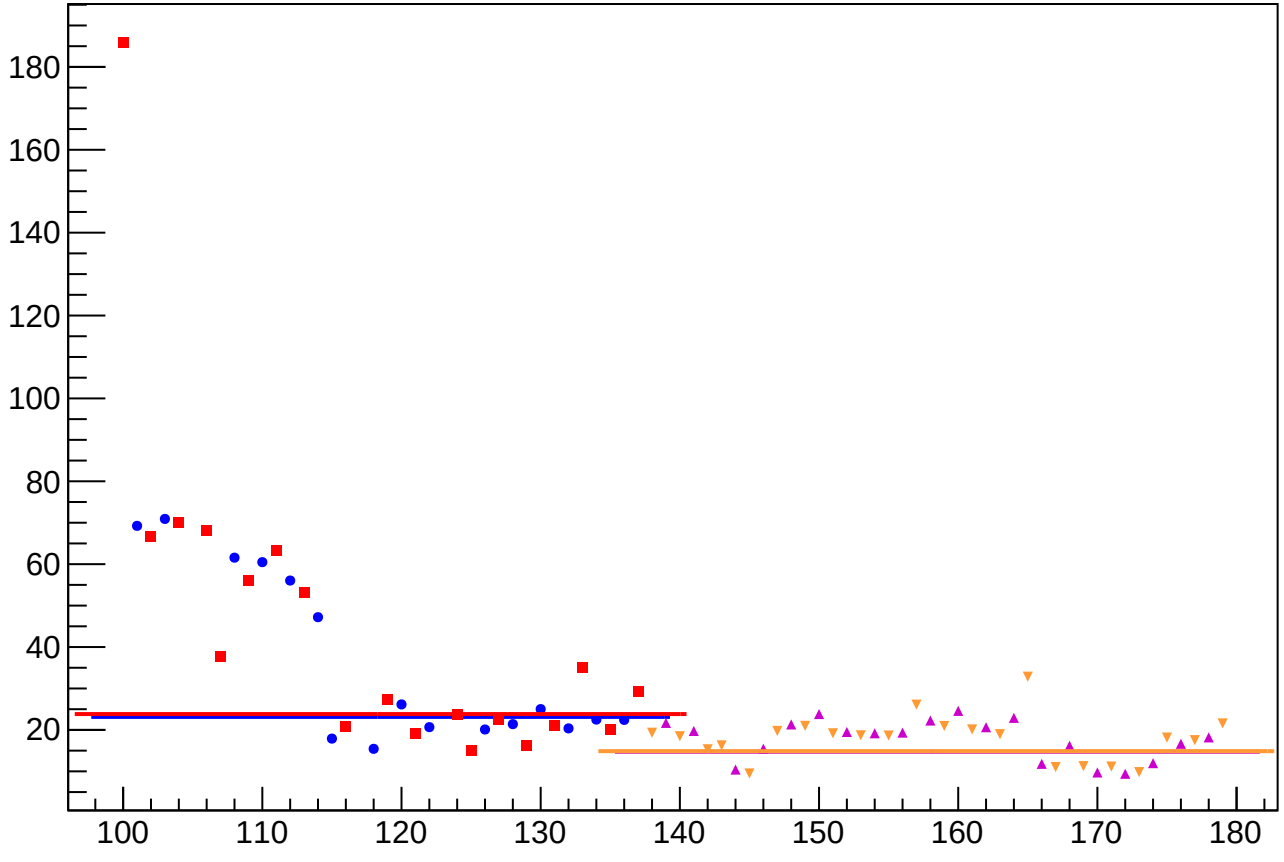
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 80.9/76

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177762.3/21

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.735+/-0.003 χ^2/NDF:3127098.9/19

Left: 14.805+/-0.002 χ^2/NDF: 6306044.8/41

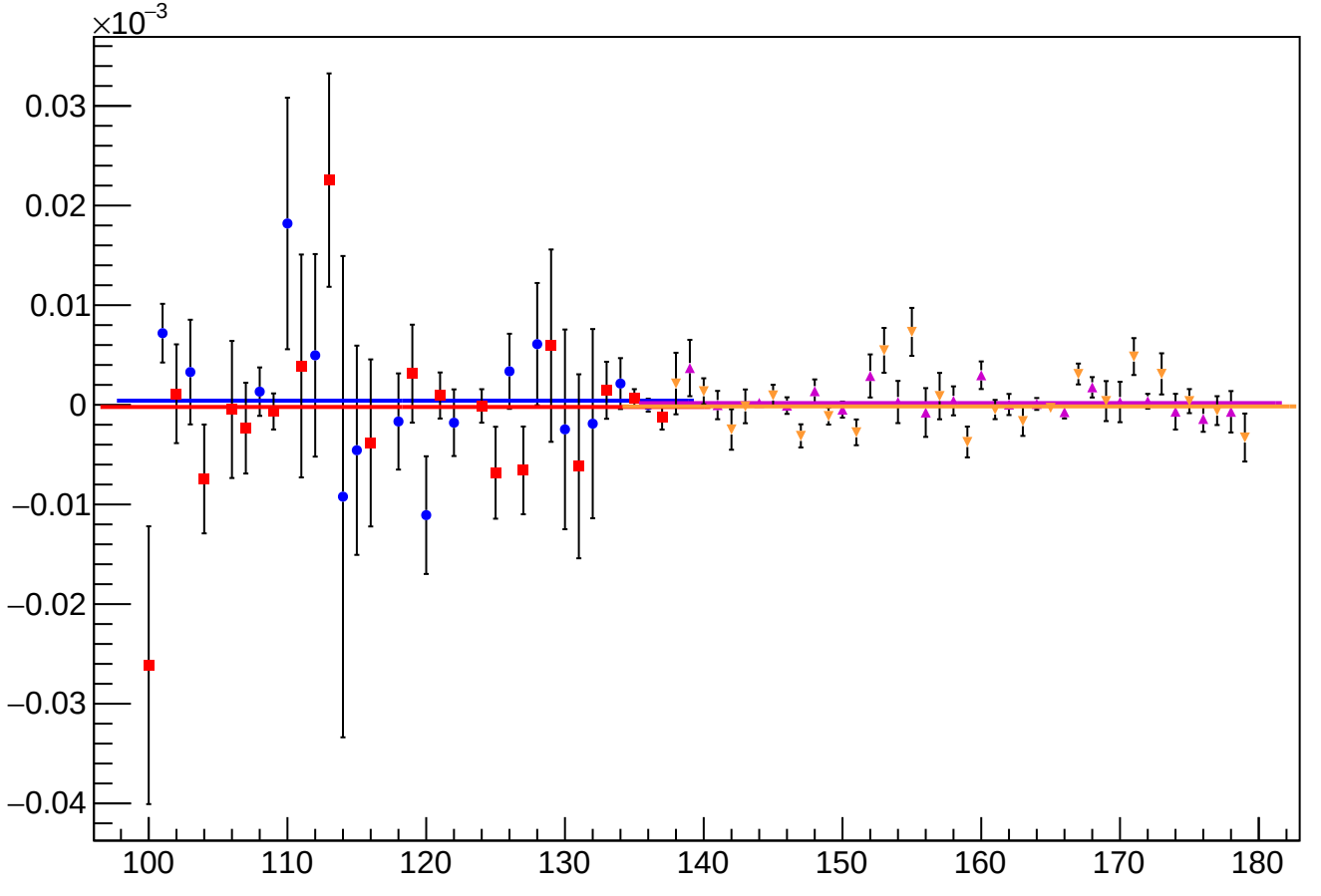
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.908+/-0.003 χ^2/NDF:6788967.9/35

Out: 15.996+/-0.003 χ^2/NDF:7460071.4/40

All: 15.954+/-0.002 χ^2/NDF: 14249631.9/76

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:60.3/21

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/19

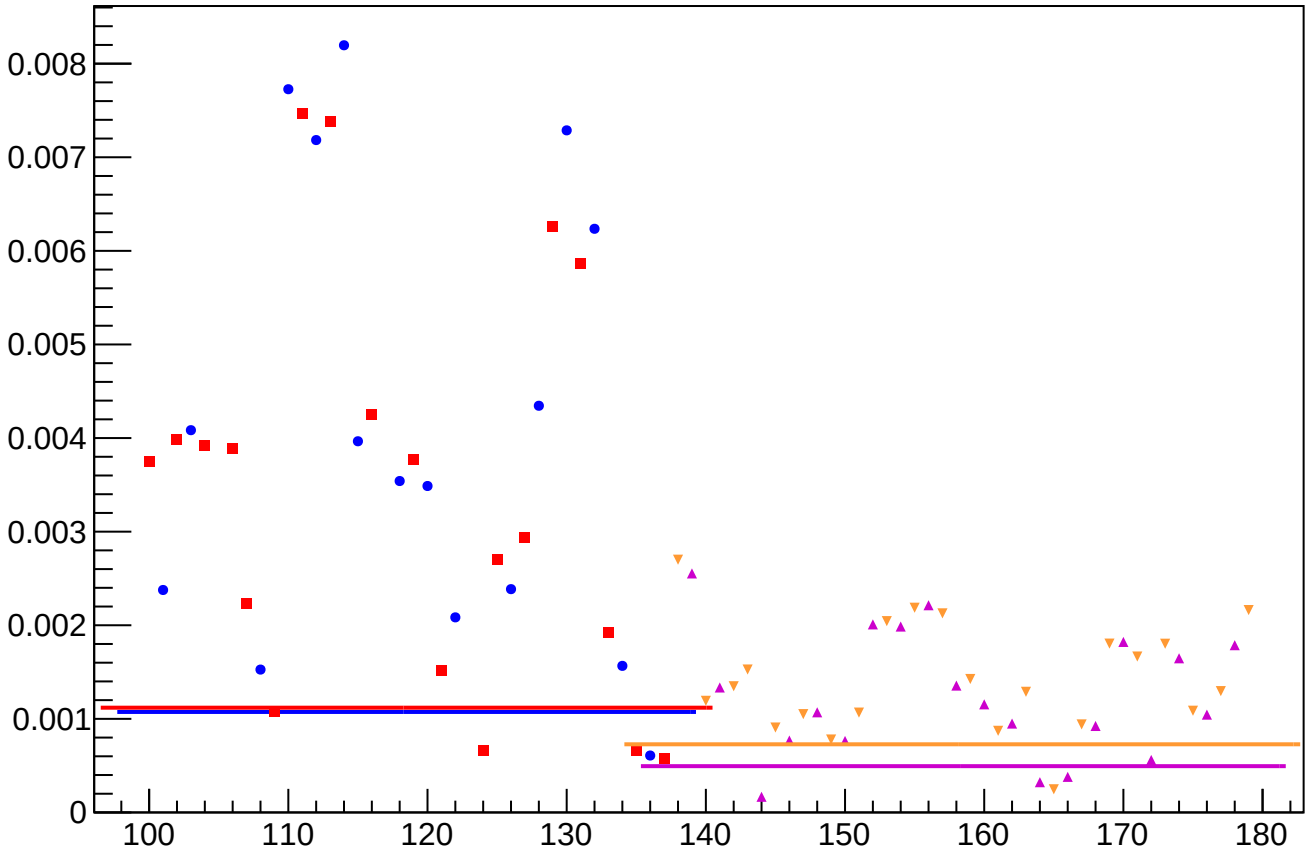
Left: 0.000+/-0.000 χ^2/NDF: 77.3/41

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:31.0/35

Out: -0.000+/-0.000 χ^2/NDF:78.2/40

All: 0.000+/-0.000 χ^2/NDF: 111.1/76



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:12445948.4/21

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13898561.2/19

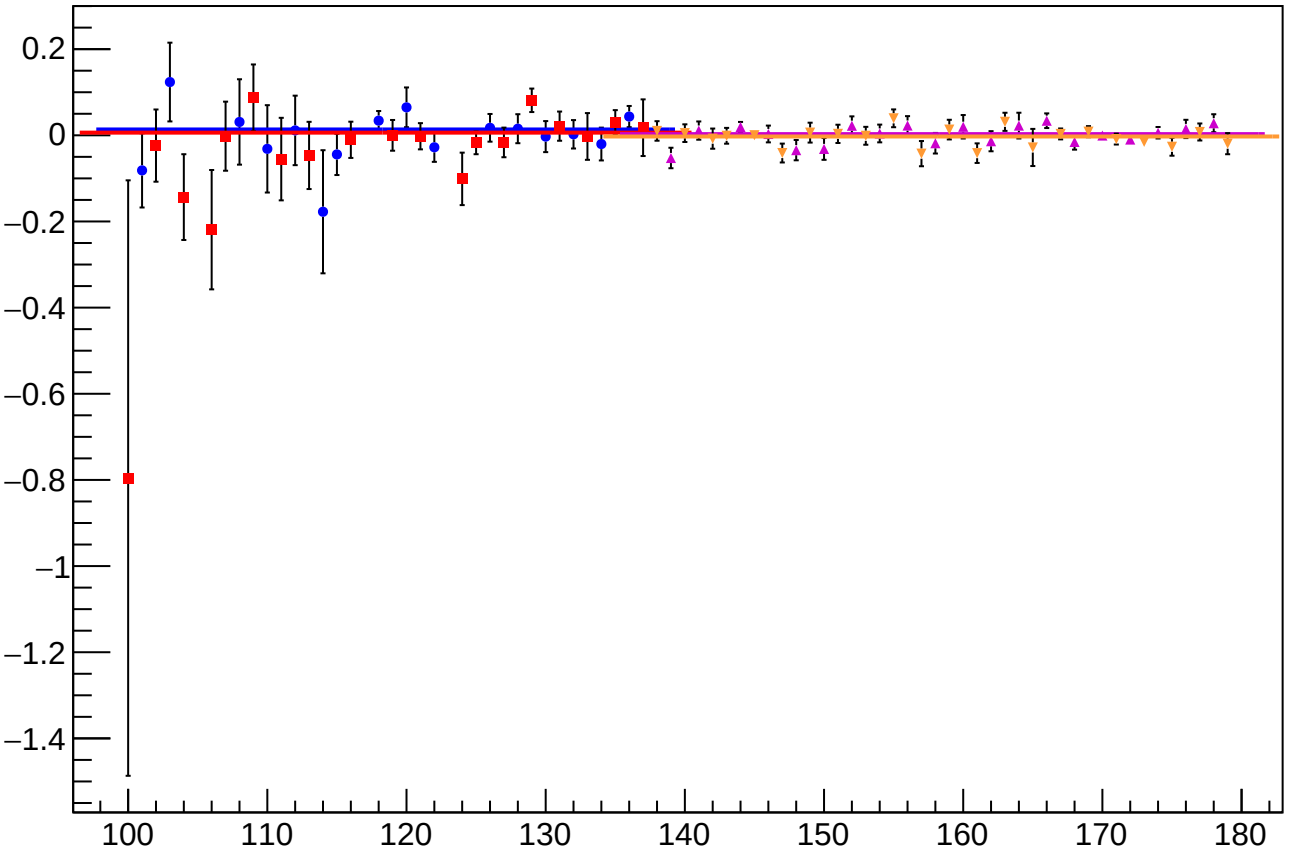
Left: 0.001+/-0.000 χ^2/NDF: 27698245.4/41

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:22879676.0/35

Out: 0.001+/-0.000 χ^2/NDF:20064402.4/40

All: 0.001+/-0.000 χ^2/NDF: 44461830.4/76



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: -0.000+/-0.003 χ^2/NDF: 45.1/41

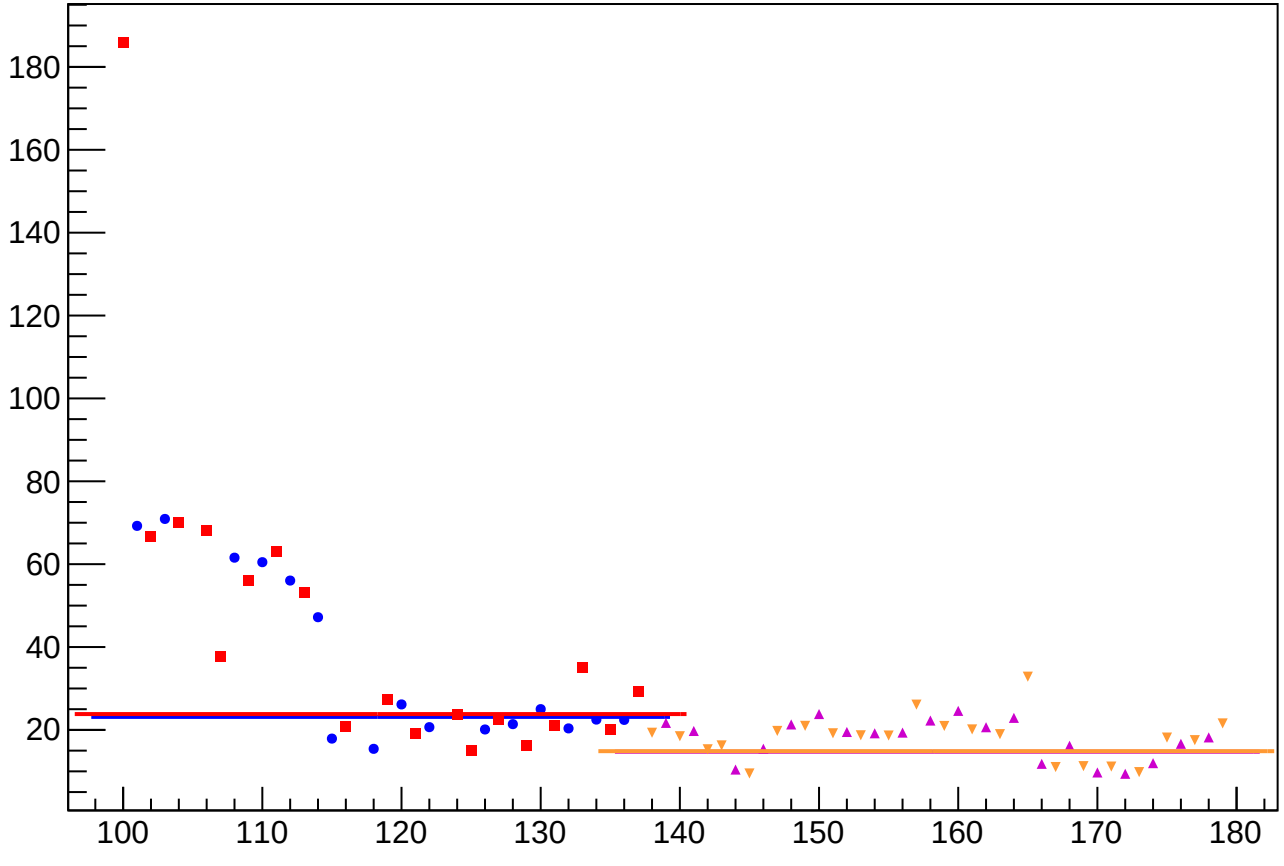
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 80.9/76

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177866.3/21

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.736+/-0.003 χ^2/NDF:3127109.3/19

Left: 14.805+/-0.002 χ^2/NDF: 6306158.5/41

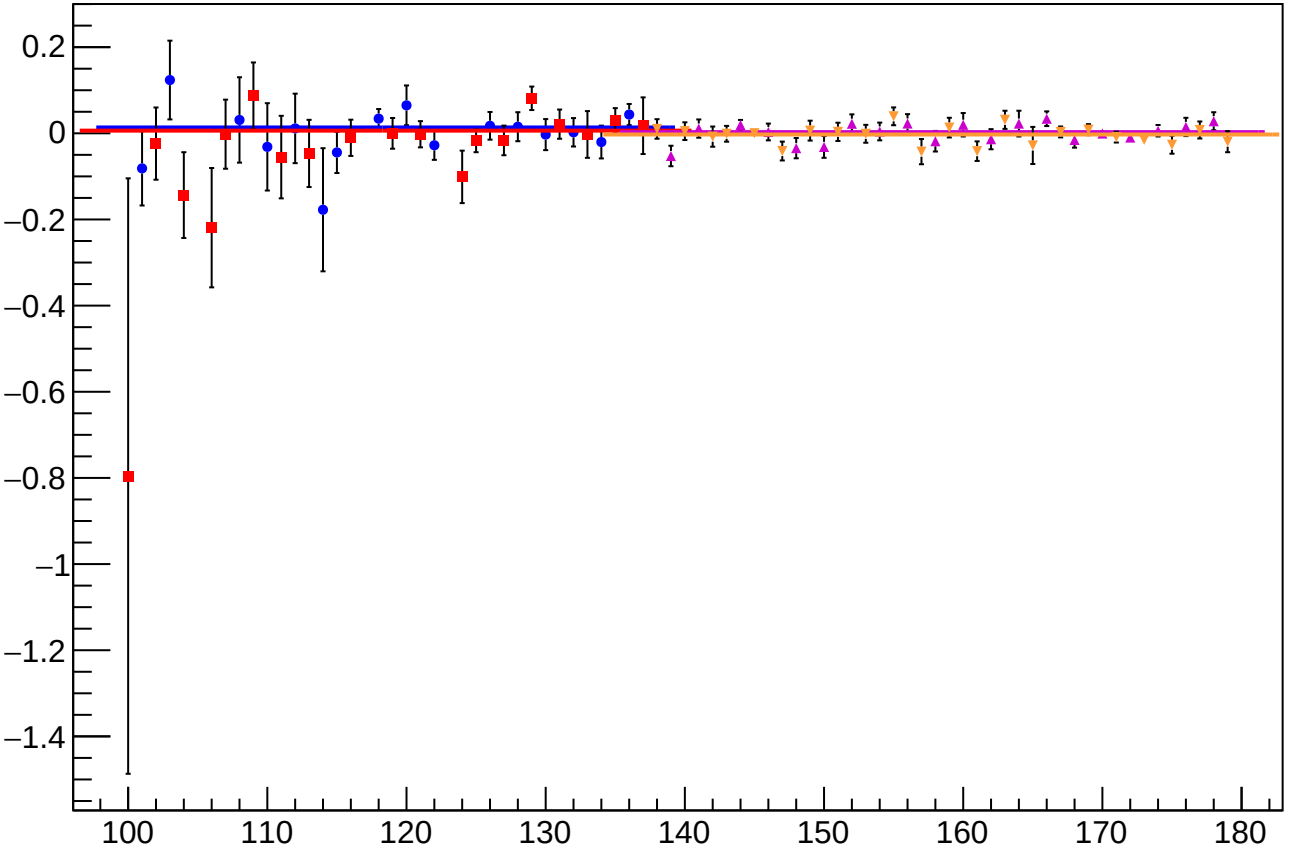
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.908+/-0.003 χ^2/NDF:6788704.3/35

Out: 15.996+/-0.003 χ^2/NDF:7459988.6/40

All: 15.954+/-0.002 χ^2/NDF: 14249285.7/76

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.003+/-0.004 χ^2/NDF:20.8/21

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: -0.000+/-0.003 χ^2/NDF: 45.1/41

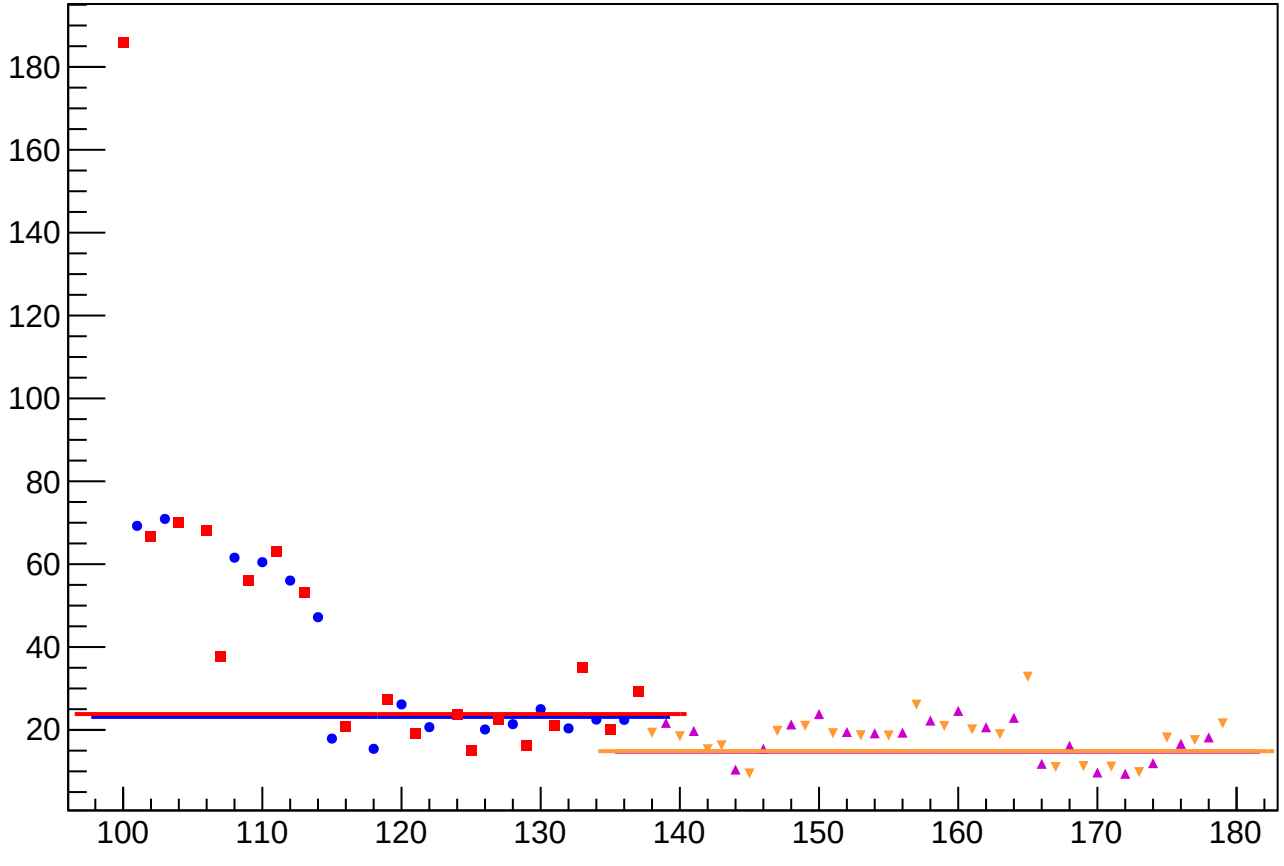
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.002+/-0.004 χ^2/NDF:42.9/40

All: 0.001+/-0.003 χ^2/NDF: 80.9/76

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.869+/-0.003 χ^2/NDF:3177866.3/21

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.736+/-0.003 χ^2/NDF:3127109.3/19

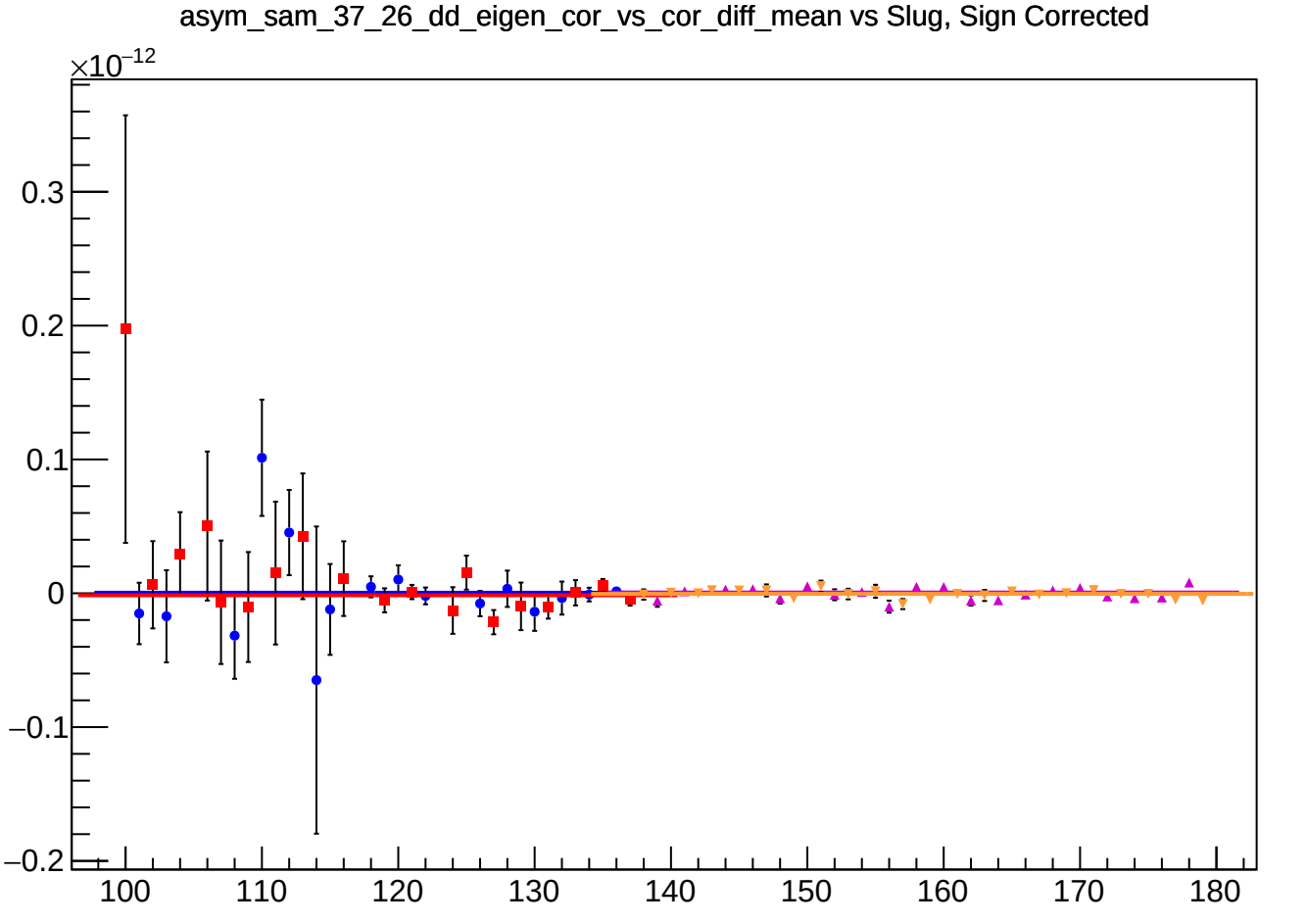
Left: 14.805+/-0.002 χ^2/NDF: 6306158.5/41

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.908+/-0.003 χ^2/NDF:6788704.3/35

Out: 15.996+/-0.003 χ^2/NDF:7459988.6/40

All: 15.954+/-0.002 χ^2/NDF: 14249285.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:38.4/19

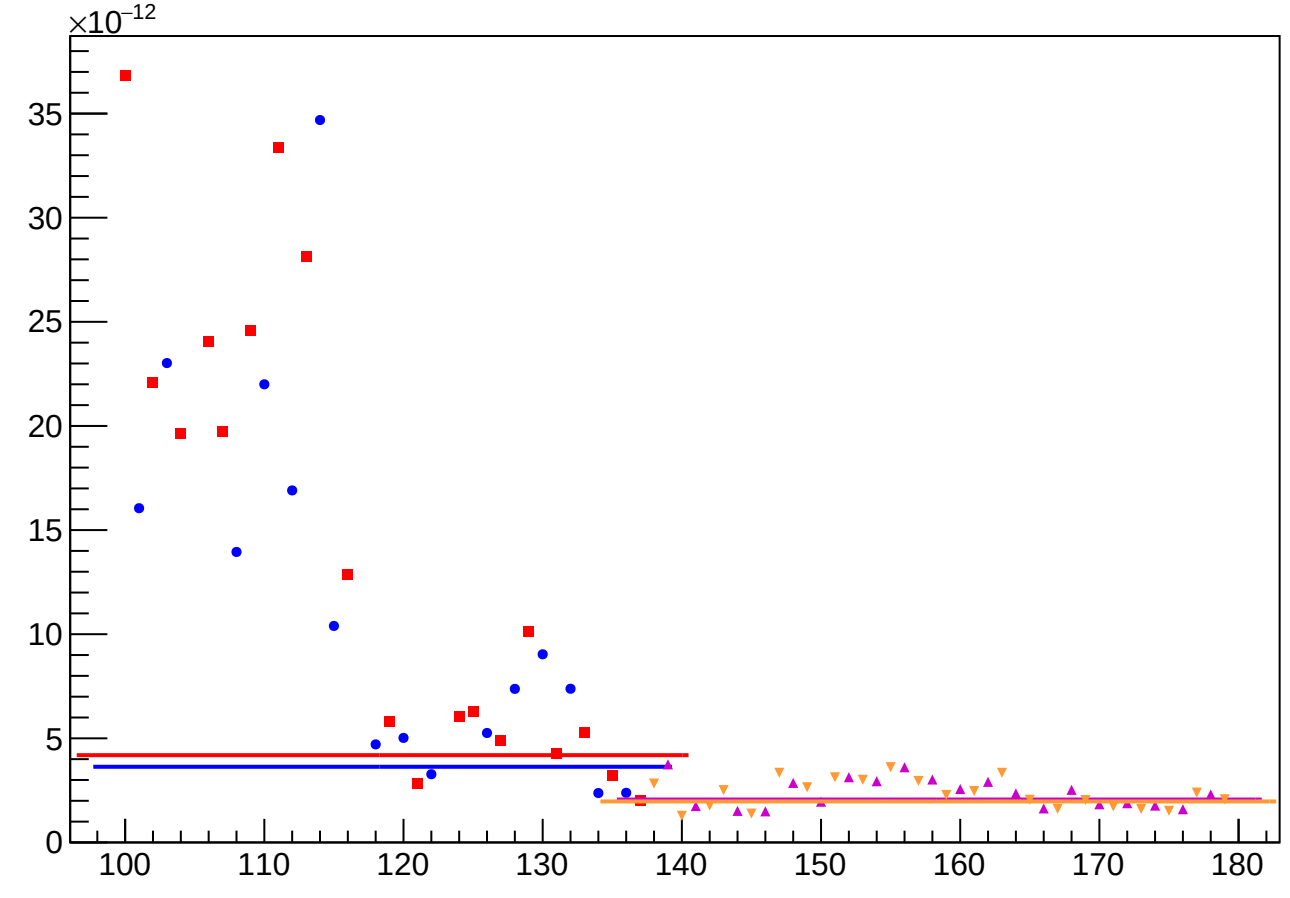
Left: 0.000+/-0.000 χ^2/NDF: 59.5/41

Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:51.4/35

Out: -0.000+/-0.000 χ^2/NDF:35.4/40

All: -0.000+/-0.000 χ^2/NDF: 88.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2186240.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1749504.6/19

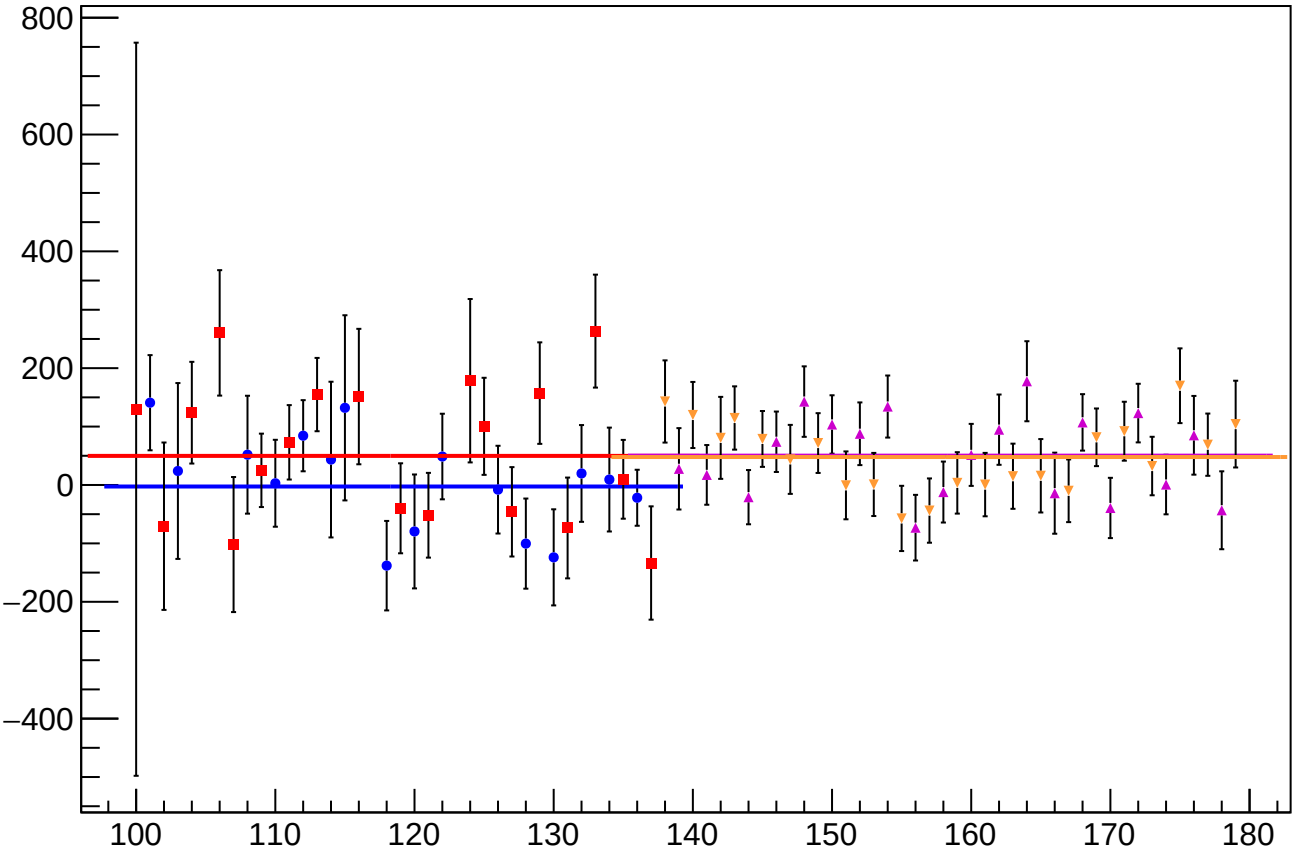
Left: 0.000+/-0.000 χ^2/NDF: 3958950.7/41

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6409614.2/35

Out: 0.000+/-0.000 χ^2/NDF:8315817.2/40

All: 0.000+/-0.000 χ^2/NDF: 14753645.4/76



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 47.855+/-11.904 χ^2/NDF:22.5/21

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 50.238+/-12.338 χ^2/NDF:30.3/19

Left: 49.004+/-8.567 χ^2/NDF: 52.9/41

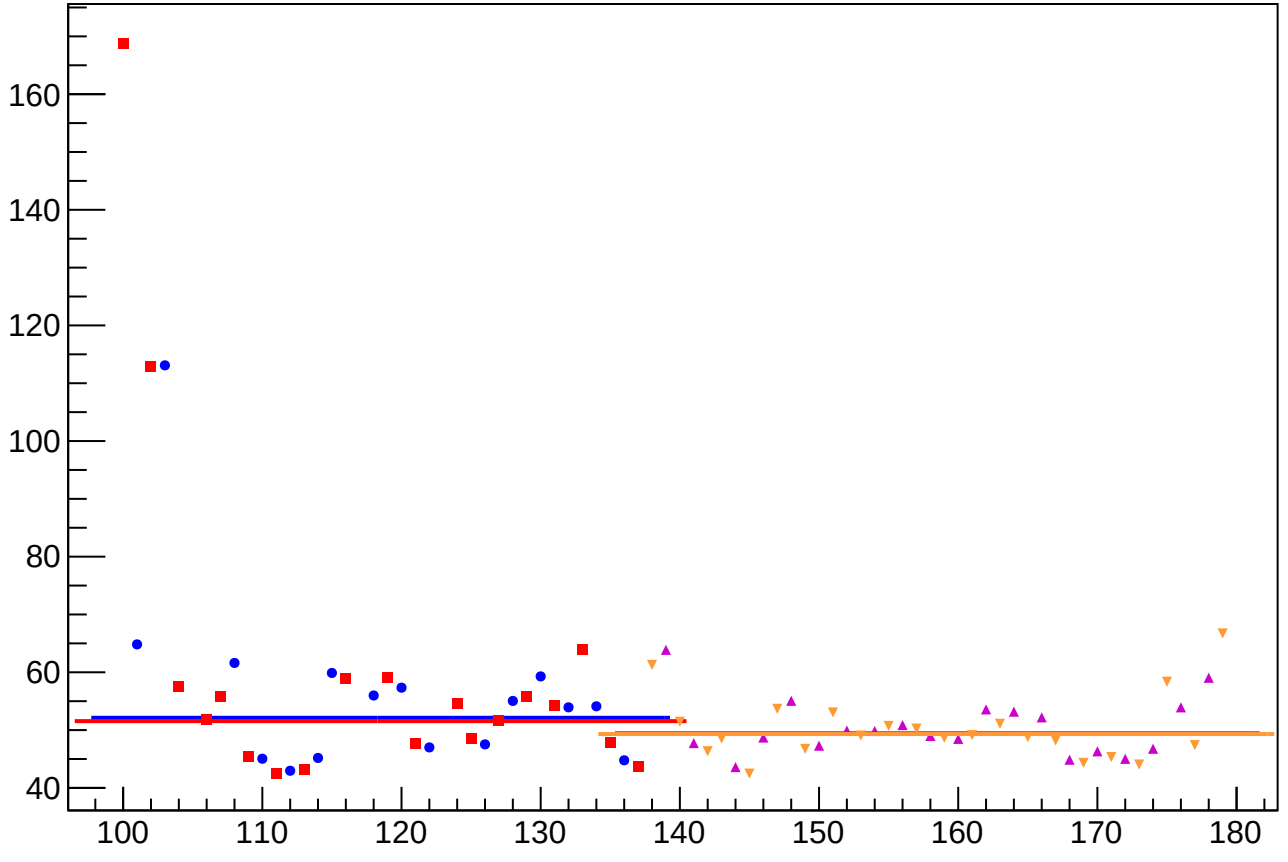
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 35.663+/-10.500 χ^2/NDF:50.0/35

Out: 48.381+/-10.178 χ^2/NDF:51.9/40

All: 42.220+/-7.308 χ^2/NDF: 102.6/76

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

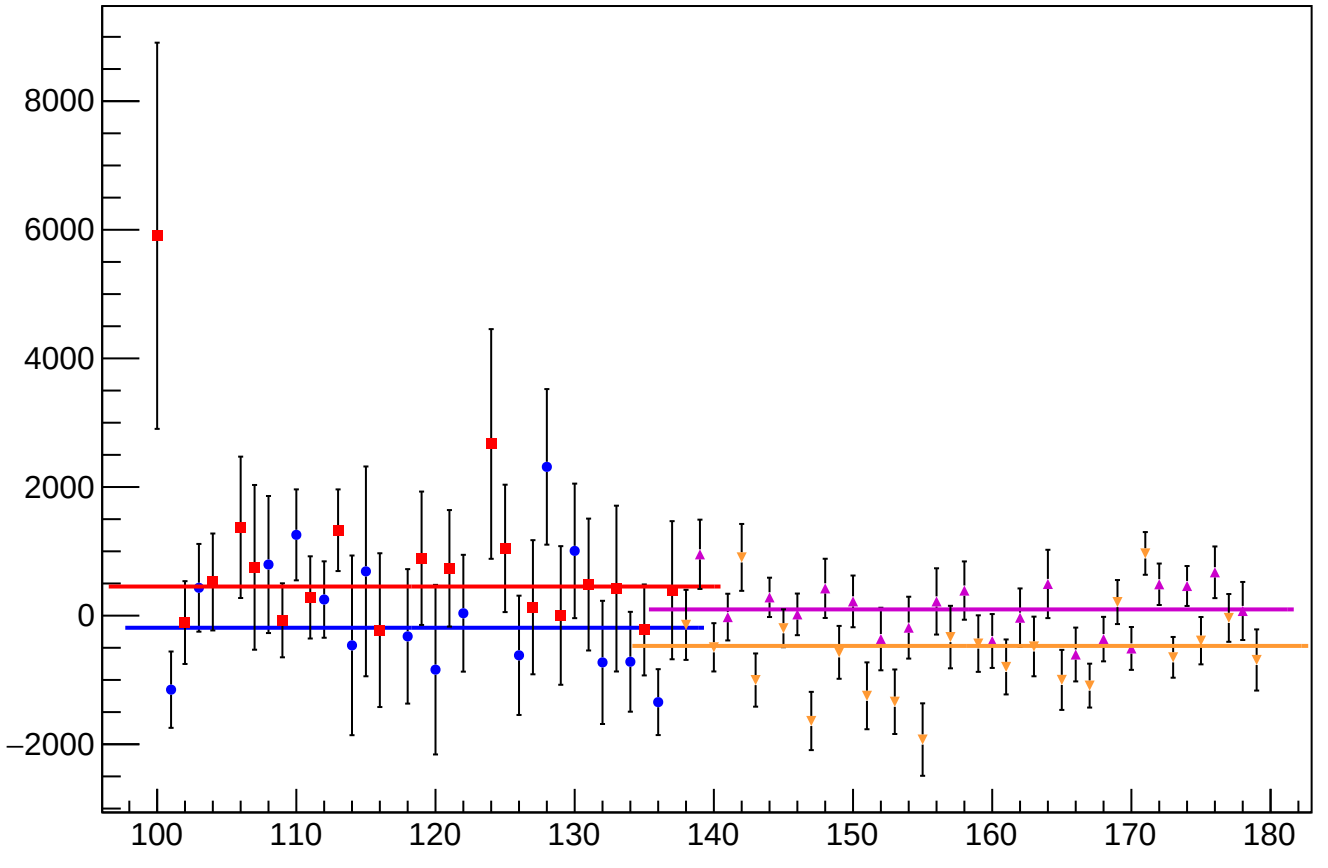
Left: 49.380+/-0.006 χ^2/NDF: 601221.3/41

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.189+/-0.007 χ^2/NDF:847529.1/35

Out: 49.915+/-0.007 χ^2/NDF:1001024.0/40

All: 50.048+/-0.005 χ^2/NDF: 1849251.8/76



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -470.900+/-86.893 χ^2/NDF:58.4/21

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 96.741+/-88.529 χ^2/NDF:20.2/19

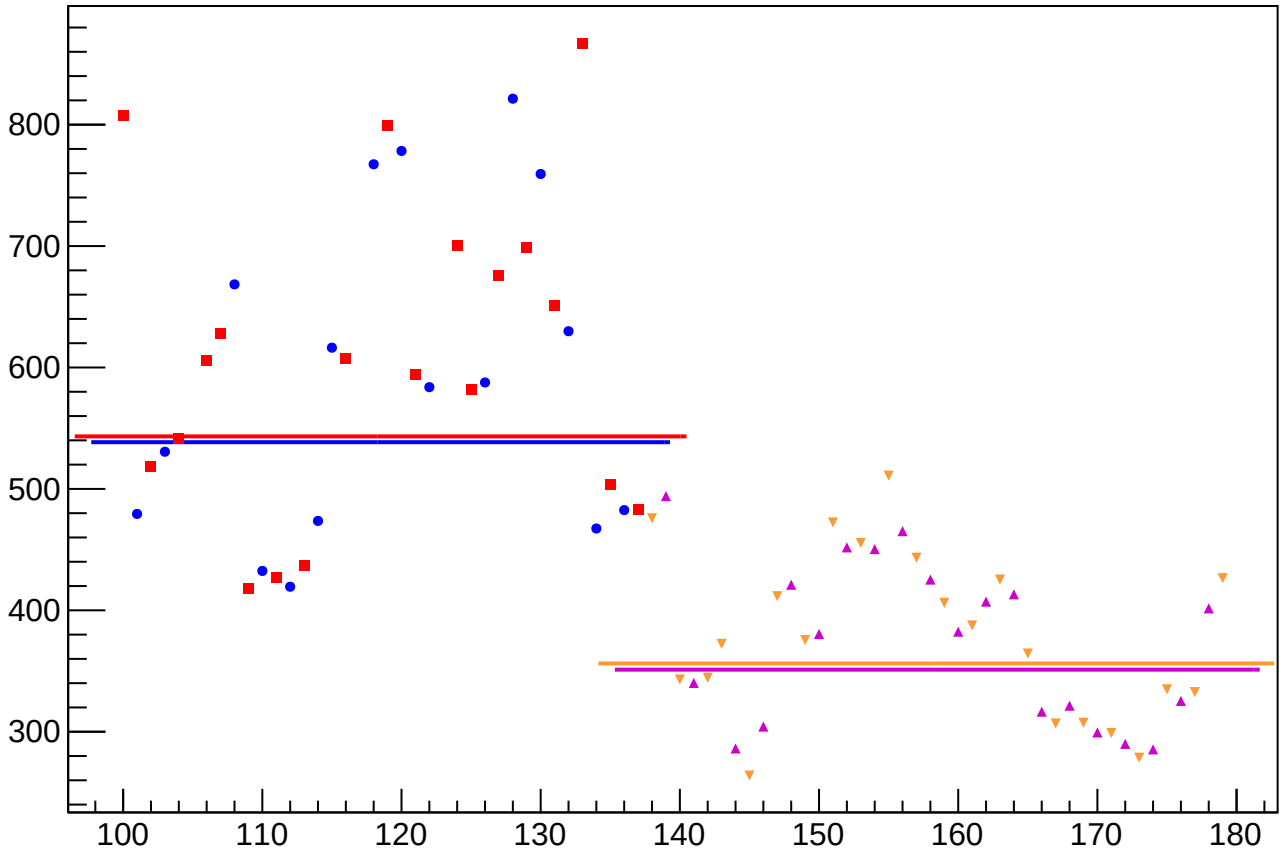
Left: -192.370+/-62.013 χ^2/NDF: 99.5/41

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 52.195+/-81.324 χ^2/NDF:43.2/35

Out: -328.991+/-79.938 χ^2/NDF:87.1/40

All: -141.674+/-57.009 χ^2/NDF: 141.4/76



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128270.0/21

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 351.139+/-0.063 χ^2/NDF:993675.1/19

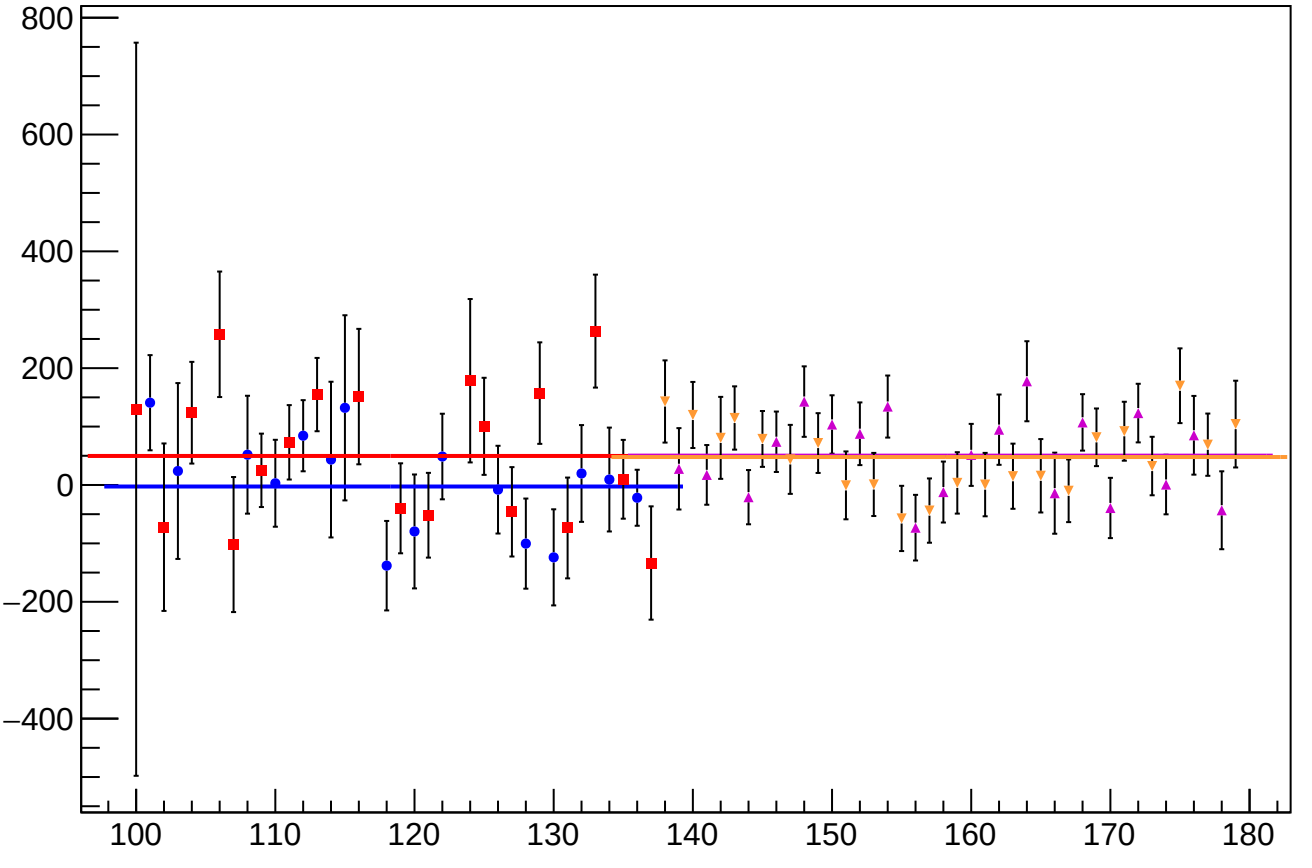
Left: 353.731+/-0.044 χ^2/NDF: 2125312.6/41

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 380.388+/-0.058 χ^2/NDF:3005886.6/35

Out: 384.968+/-0.057 χ^2/NDF:3189023.1/40

All: 382.717+/-0.040 χ^2/NDF: 6198136.3/76



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 50.237+/-12.338 χ^2/NDF:30.3/19

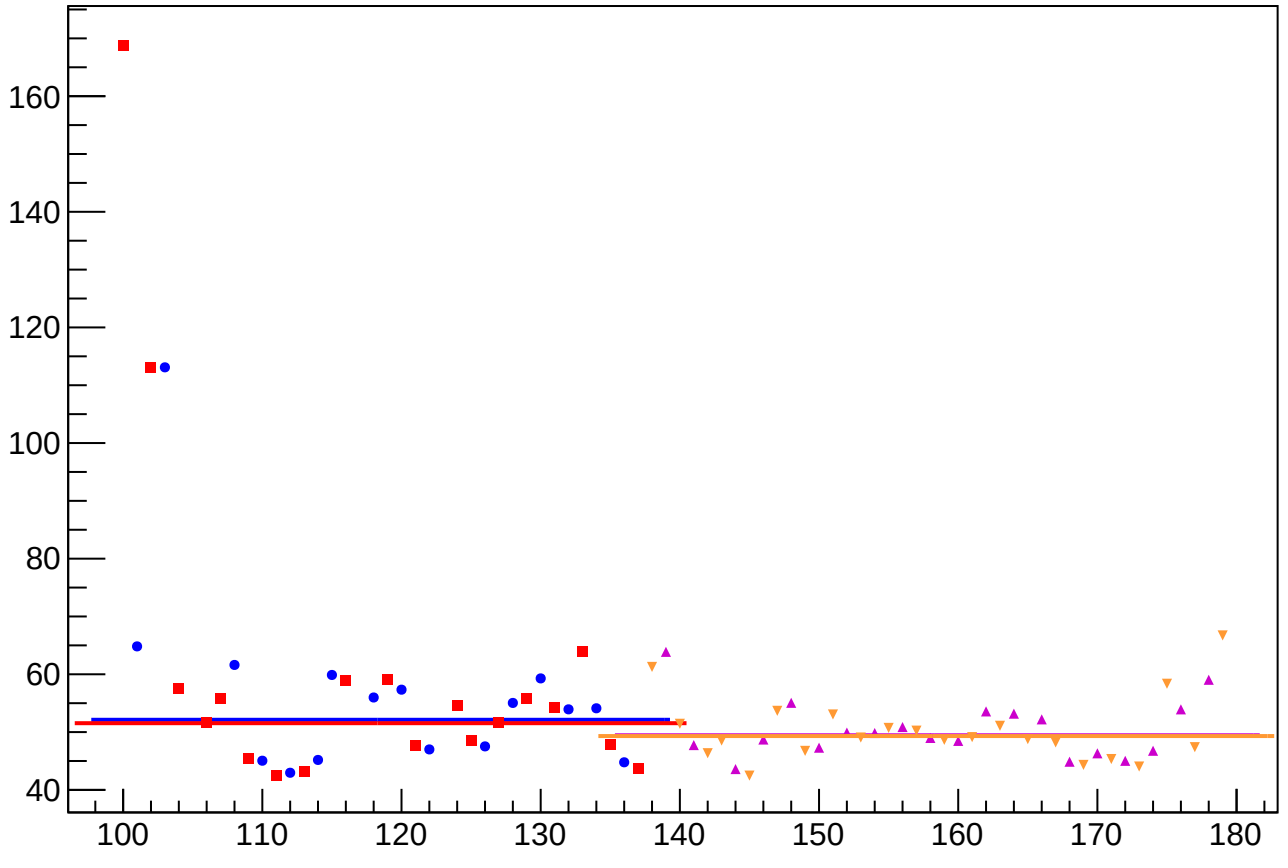
Left: 49.004+/-8.567 χ^2/NDF: 52.9/41

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.662+/-10.500 χ^2/NDF:50.0/35

Out: 48.351+/-10.178 χ^2/NDF:51.8/40

All: 42.204+/-7.308 χ^2/NDF: 102.6/76



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

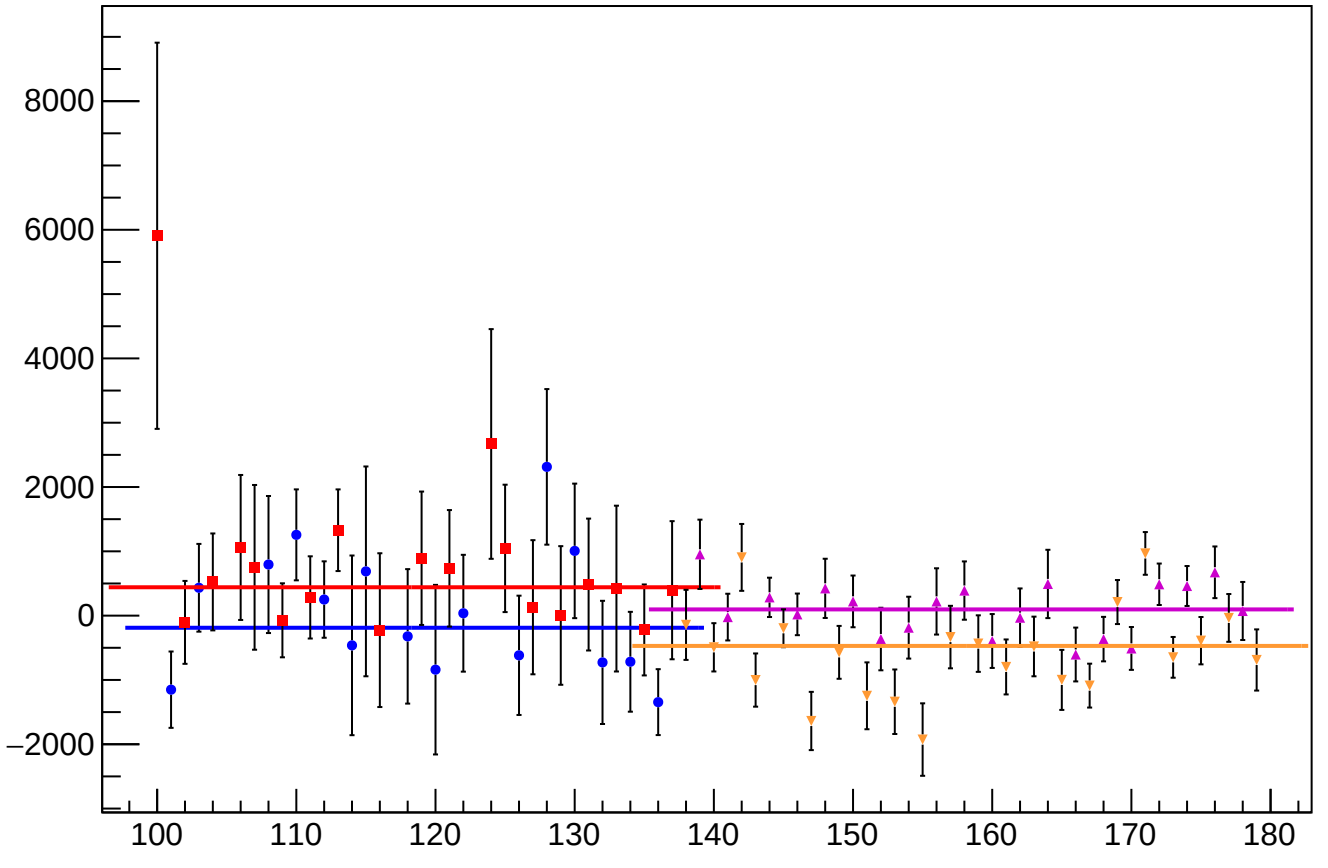
Left: 49.380+/-0.006 χ^2/NDF: 601221.3/41

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.189+/-0.007 χ^2/NDF:847531.3/35

Out: 49.913+/-0.007 χ^2/NDF:1001068.5/40

All: 50.046+/-0.005 χ^2/NDF: 1849312.9/76



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -470.897+/-86.893 χ^2/NDF:58.4/21

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 96.742+/-88.529 χ^2/NDF:20.2/19

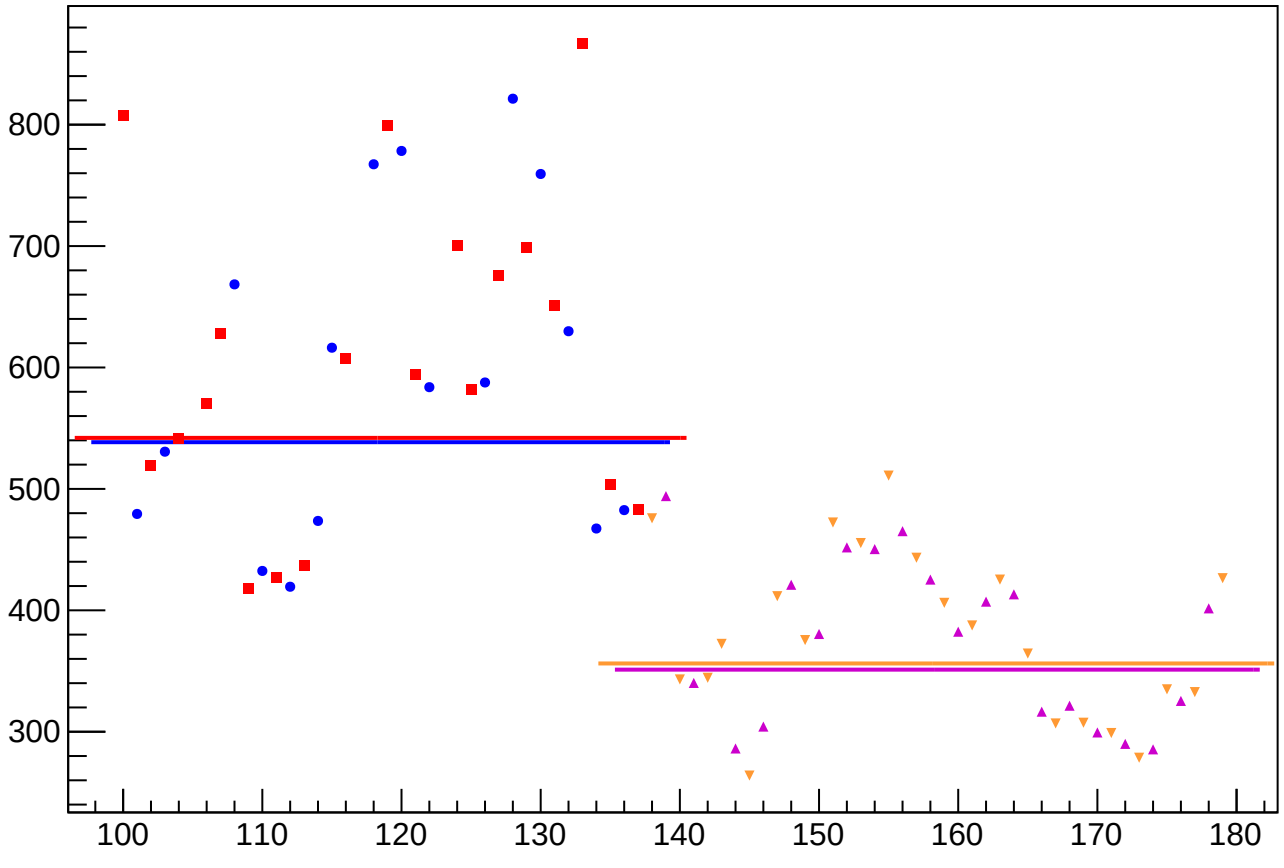
Left: -192.369+/-62.013 χ^2/NDF: 99.5/41

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 52.200+/-81.324 χ^2/NDF:43.2/35

Out: -330.960+/-79.950 χ^2/NDF:86.2/40

All: -142.645+/-57.013 χ^2/NDF: 140.7/76



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 351.139+/-0.063 χ^2/NDF:993675.0/19

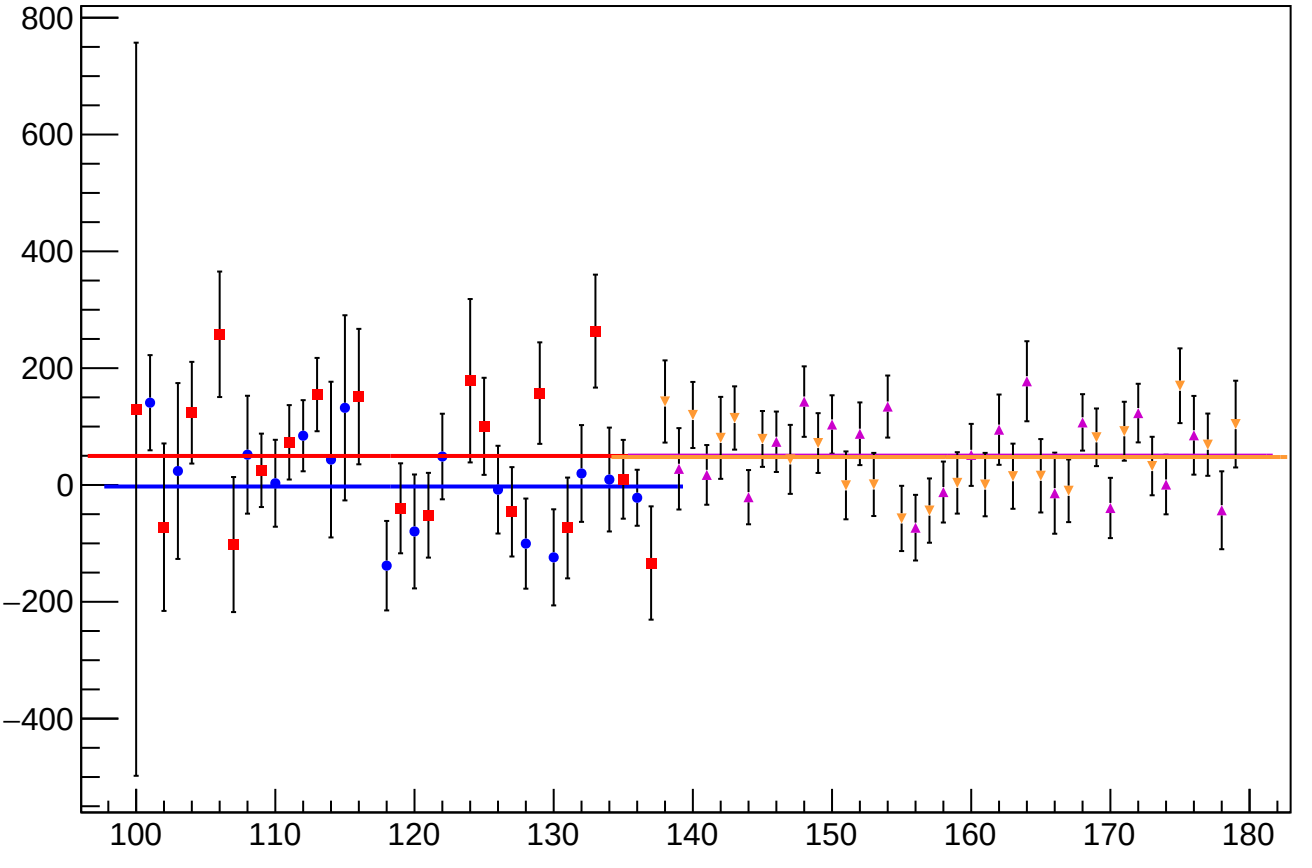
Left: 353.731+/-0.044 χ^2/NDF: 2125316.4/41

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 380.388+/-0.058 χ^2/NDF:3005938.6/35

Out: 384.735+/-0.057 χ^2/NDF:3162767.2/40

All: 382.599+/-0.040 χ^2/NDF: 6171611.8/76



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.857+/-11.904 χ^2/NDF:22.5/21

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 50.237+/-12.338 χ^2/NDF:30.3/19

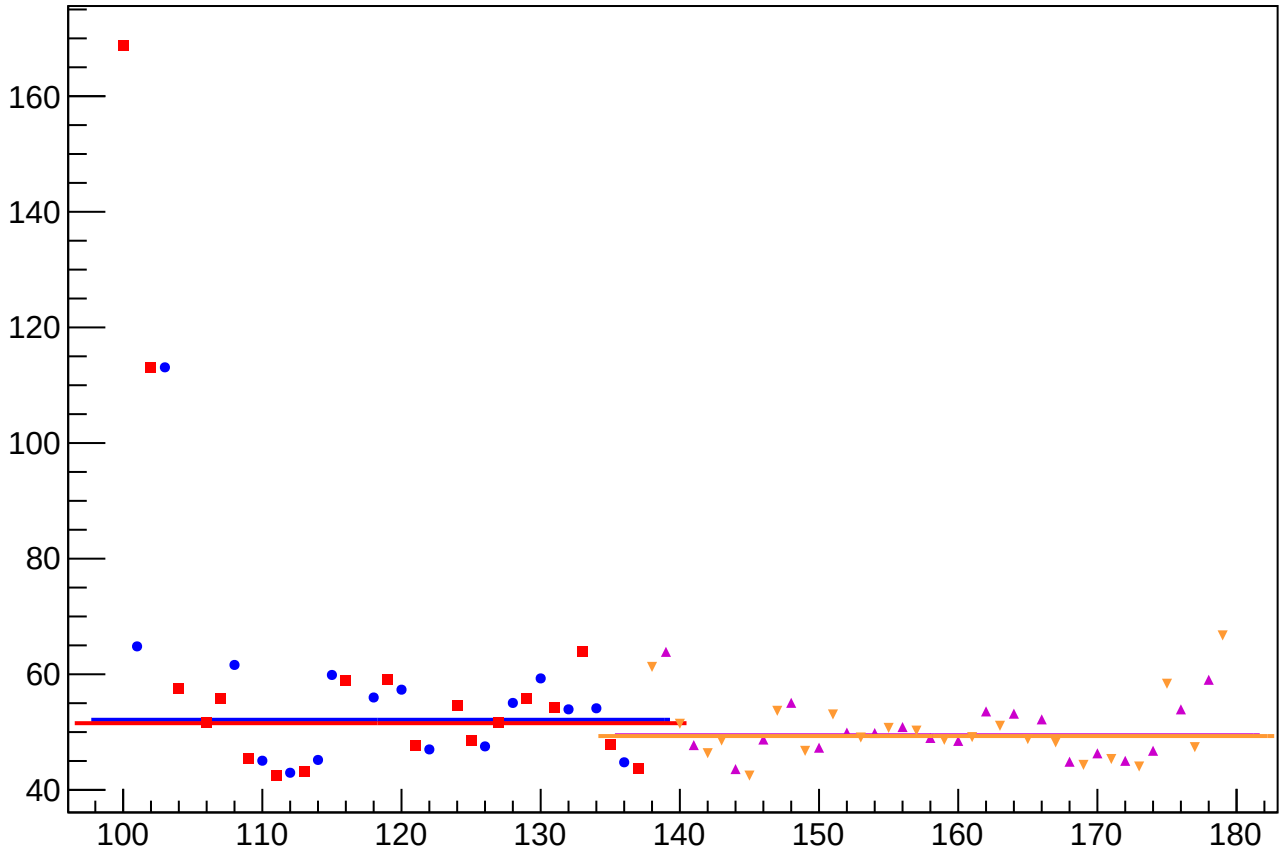
Left: 49.004+/-8.567 χ^2/NDF: 52.9/41

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.662+/-10.500 χ^2/NDF:50.0/35

Out: 48.351+/-10.178 χ^2/NDF:51.8/40

All: 42.204+/-7.308 χ^2/NDF: 102.6/76



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.314+/-0.008 χ^2/NDF:342473.6/21

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

Left: 49.380+/-0.006 χ^2/NDF: 601221.3/41

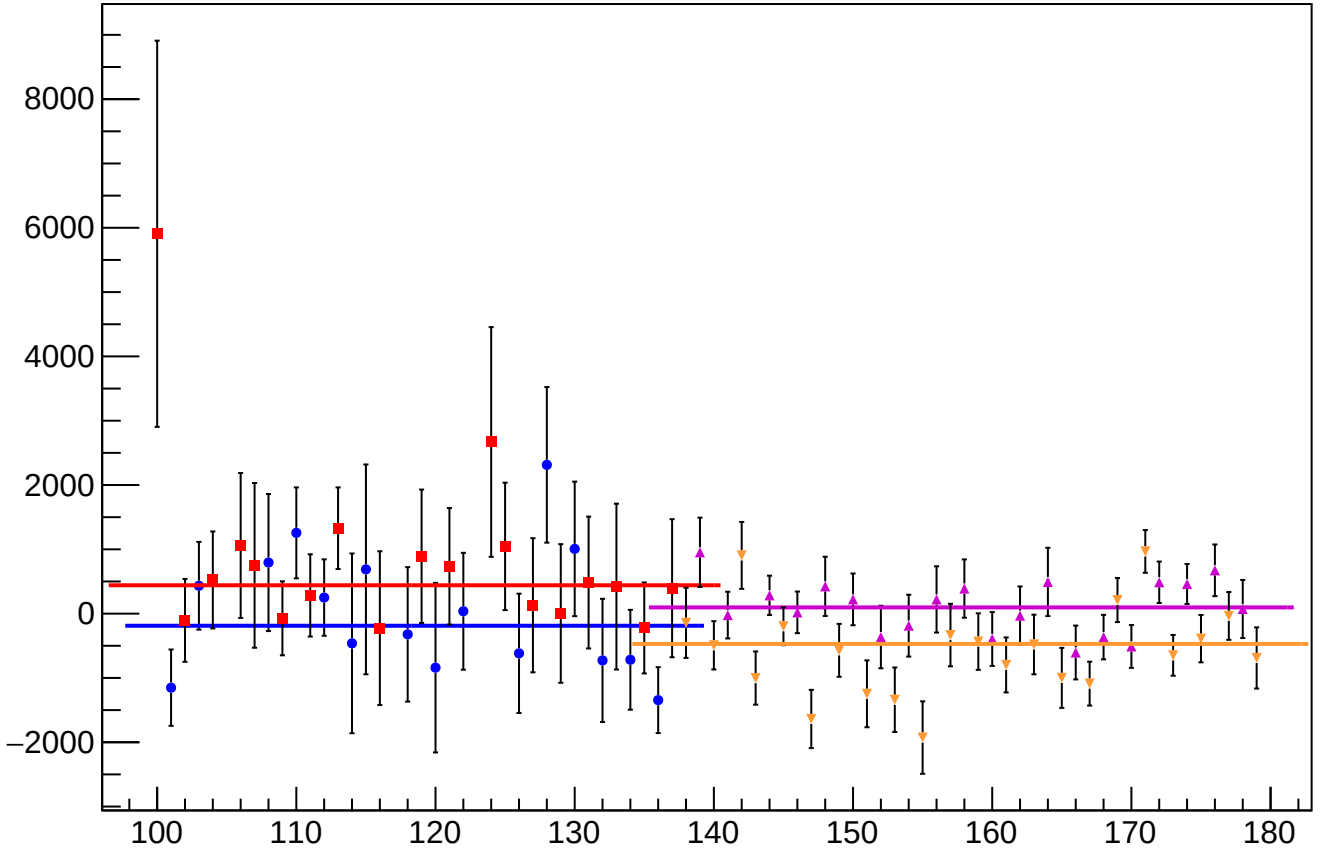
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.189+/-0.007 χ^2/NDF:847531.3/35

Out: 49.913+/-0.007 χ^2/NDF:1001068.5/40

All: 50.046+/-0.005 χ^2/NDF: 1849312.9/76

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -470.897+/-86.893 χ^2/NDF:58.4/21

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 96.742+/-88.529 χ^2/NDF:20.2/19

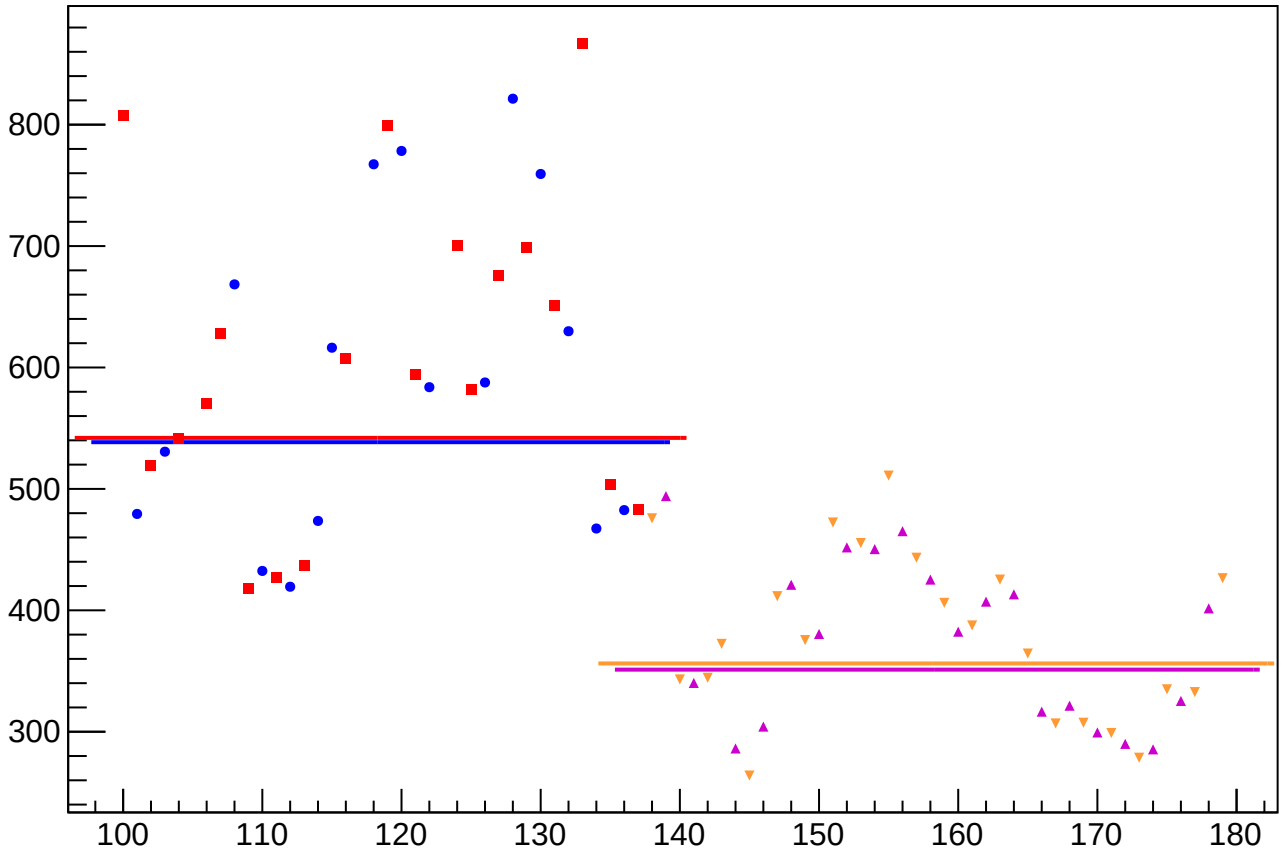
Left: -192.369+/-62.013 χ^2/NDF: 99.5/41

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 52.200+/-81.324 χ^2/NDF:43.2/35

Out: -330.960+/-79.950 χ^2/NDF:86.2/40

All: -142.645+/-57.013 χ^2/NDF: 140.7/76



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 356.229+/-0.061 χ^2/NDF:1128274.3/21

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 351.139+/-0.063 χ^2/NDF:993675.0/19

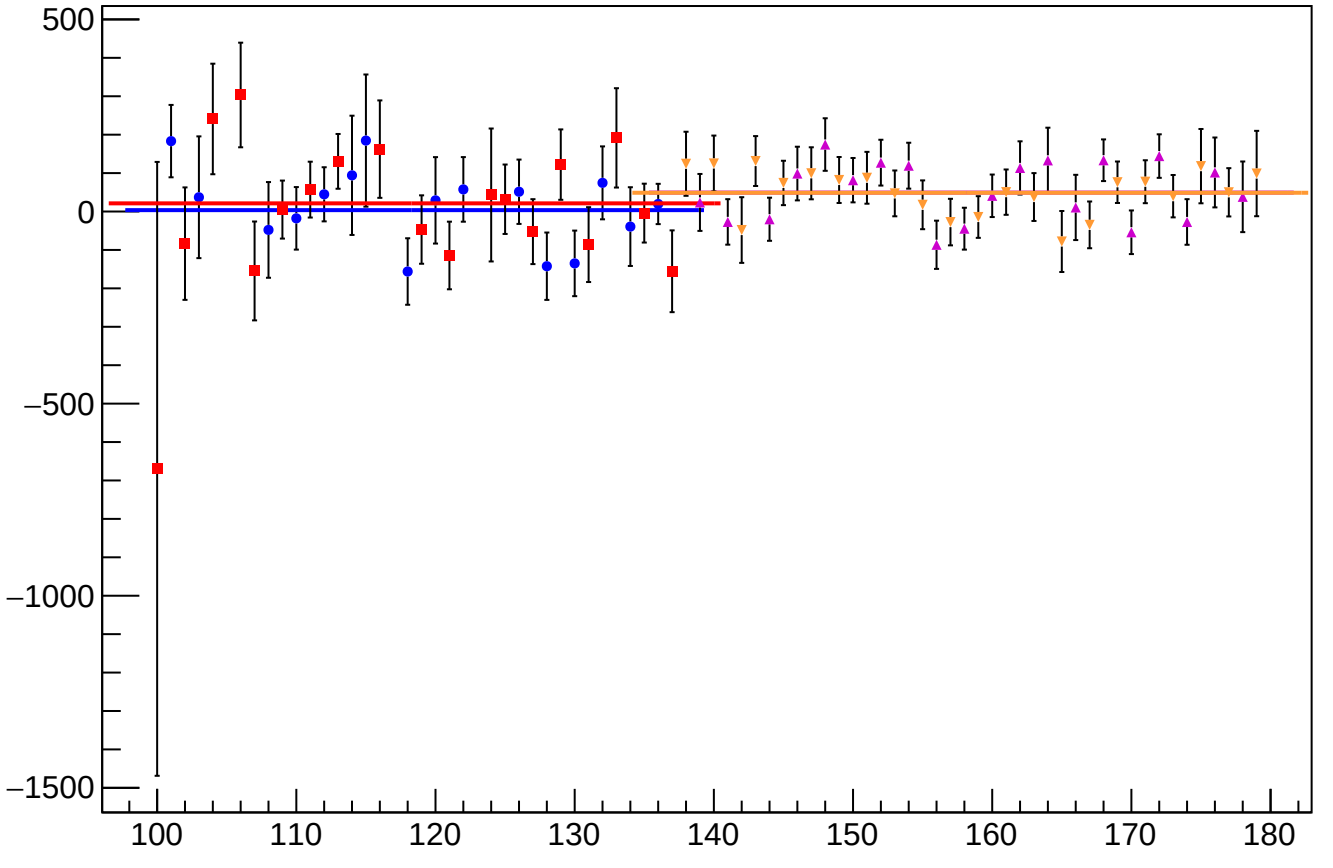
Left: 353.731+/-0.044 χ^2/NDF: 2125316.4/41

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 380.388+/-0.058 χ^2/NDF:3005938.6/35

Out: 384.735+/-0.057 χ^2/NDF:3162767.2/40

All: 382.599+/-0.040 χ^2/NDF: 6171611.8/76



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.823+/-13.769 χ^2/NDF:15.1/21

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.257+/-14.209 χ^2/NDF:30.8/19

Left: 49.033+/-9.888 χ^2/NDF: 46.0/41

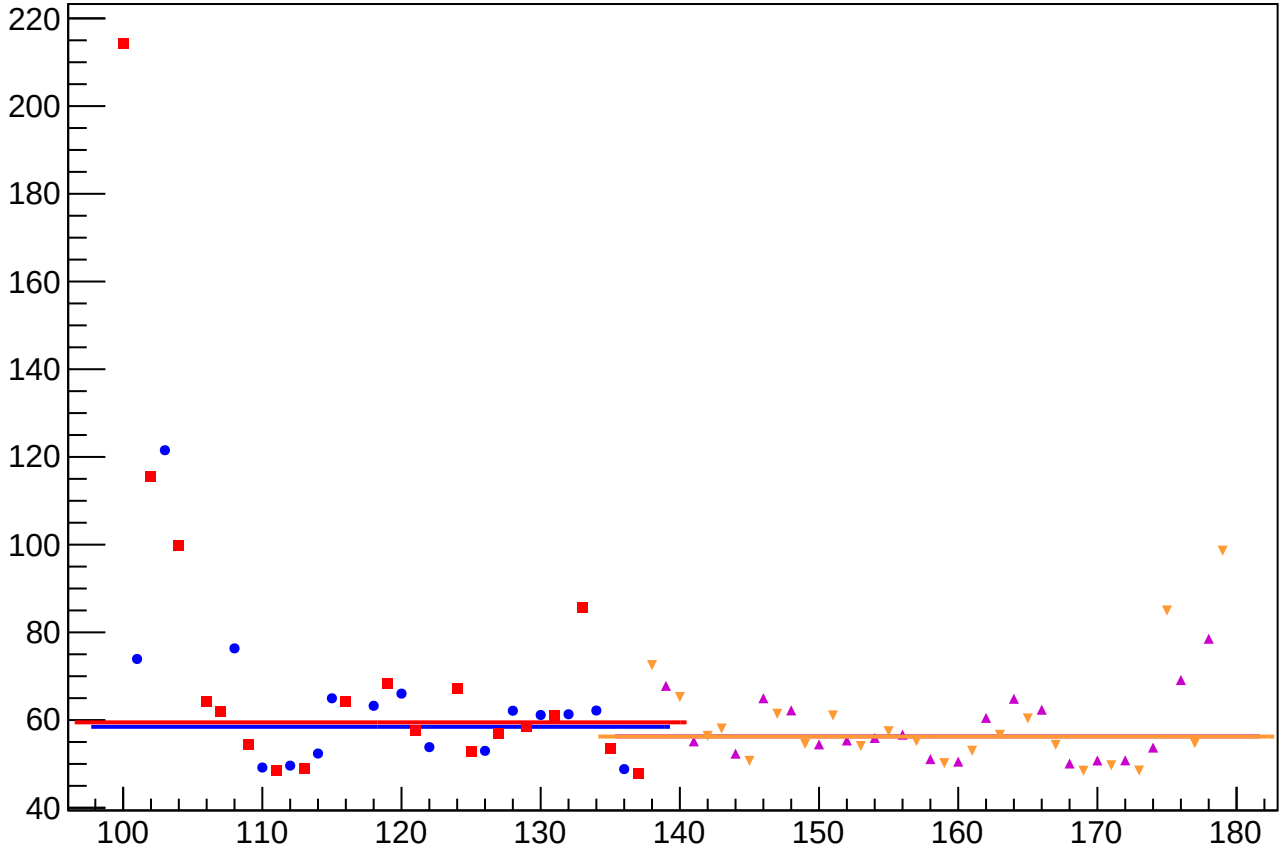
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.223+/-12.011 χ^2/NDF:49.9/35

Out: 41.440+/-11.782 χ^2/NDF:40.6/40

All: 38.882+/-8.411 χ^2/NDF: 90.6/76

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.243+/-0.010 χ^2/NDF:770695.6/21

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.289+/-0.010 χ^2/NDF:409630.2/19

Left: 56.265+/-0.007 χ^2/NDF: 1180337.0/41

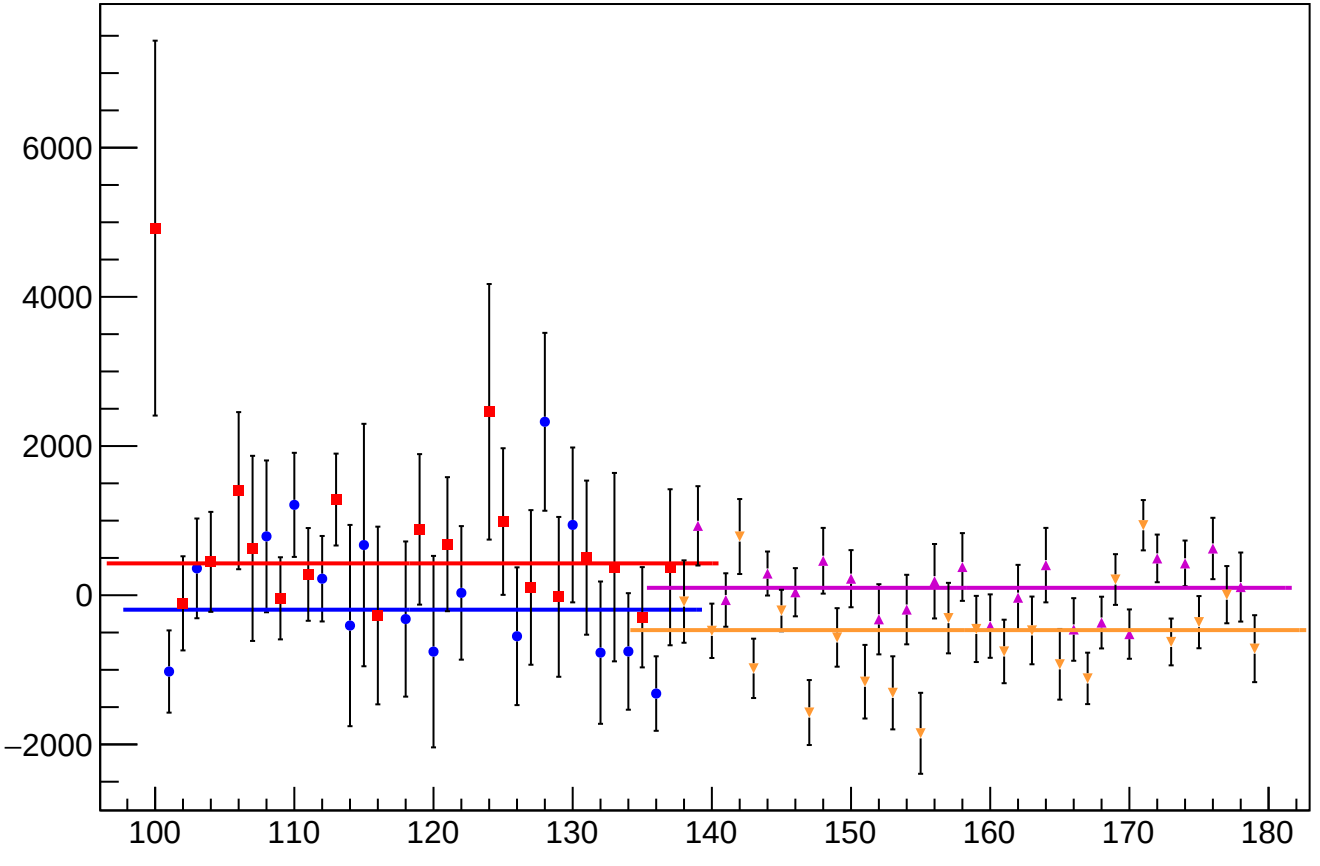
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.911+/-0.008 χ^2/NDF:1006004.8/35

Out: 57.111+/-0.008 χ^2/NDF:1585256.8/40

All: 57.012+/-0.006 χ^2/NDF: 2591544.3/76

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -467.622+/-85.190 χ^2/NDF:55.7/21

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 99.195+/-87.290 χ^2/NDF:18.8/19

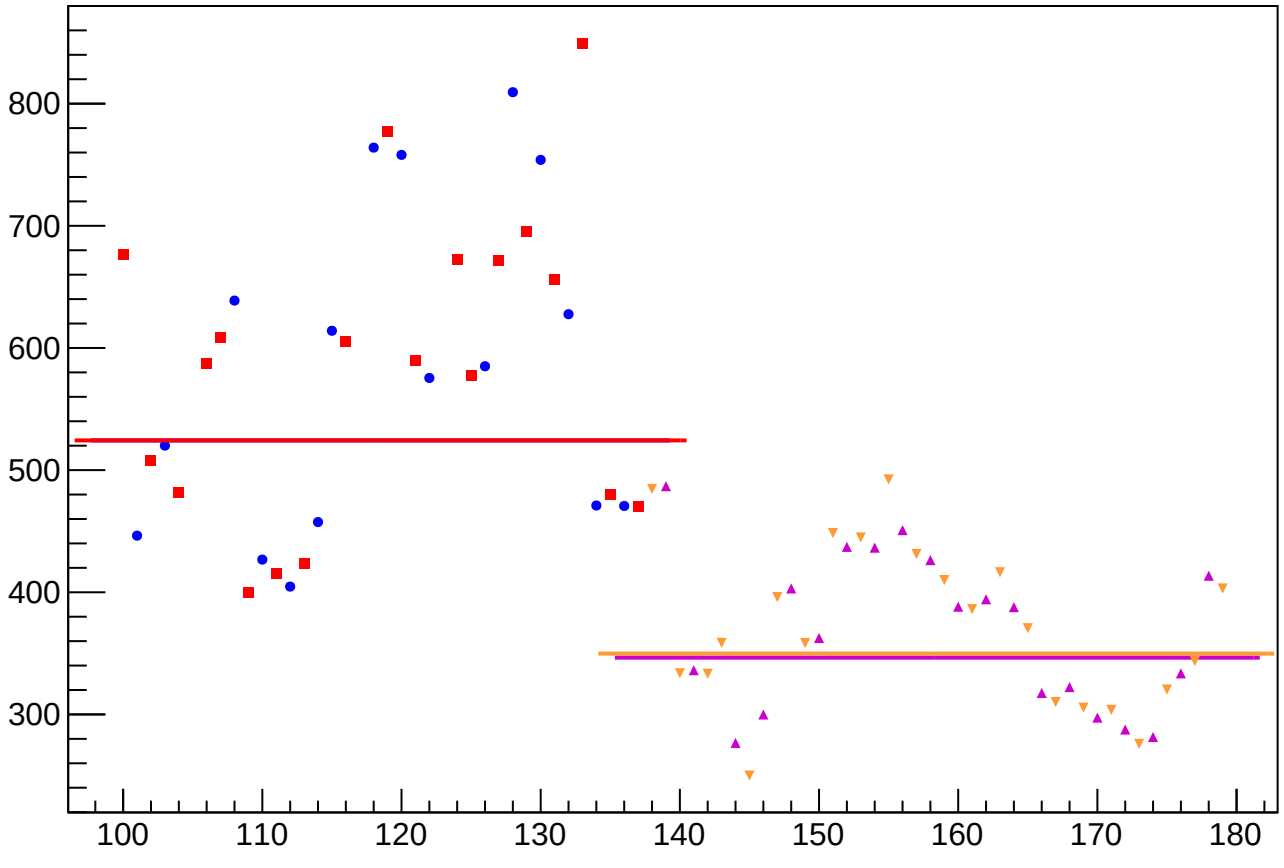
Left: -191.115+/-60.967 χ^2/NDF: 96.2/41

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 52.534+/-80.041 χ^2/NDF:41.4/35

Out: -326.693+/-78.192 χ^2/NDF:84.4/40

All: -141.509+/-55.932 χ^2/NDF: 137.3/76



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 349.810+/-0.060 χ^2/NDF:1110288.6/21

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 346.472+/-0.062 χ^2/NDF:951014.9/19

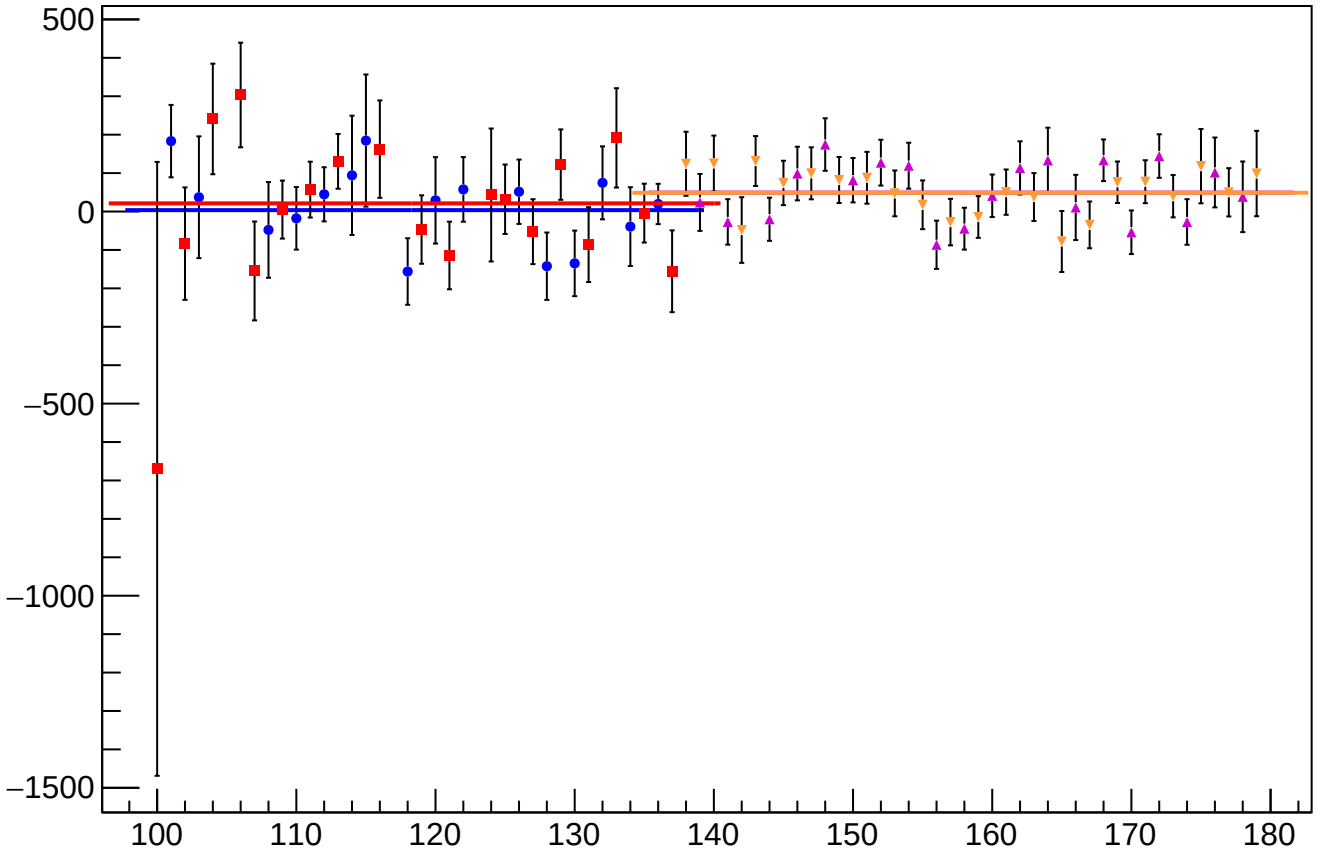
Left: 348.182+/-0.043 χ^2/NDF: 2062801.4/41

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 374.787+/-0.057 χ^2/NDF:2931323.9/35

Out: 377.299+/-0.055 χ^2/NDF:3118255.5/40

All: 376.072+/-0.040 χ^2/NDF: 6050587.7/76



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.824+/-13.770 χ^2/NDF:15.1/21

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.257+/-14.209 χ^2/NDF:30.8/19

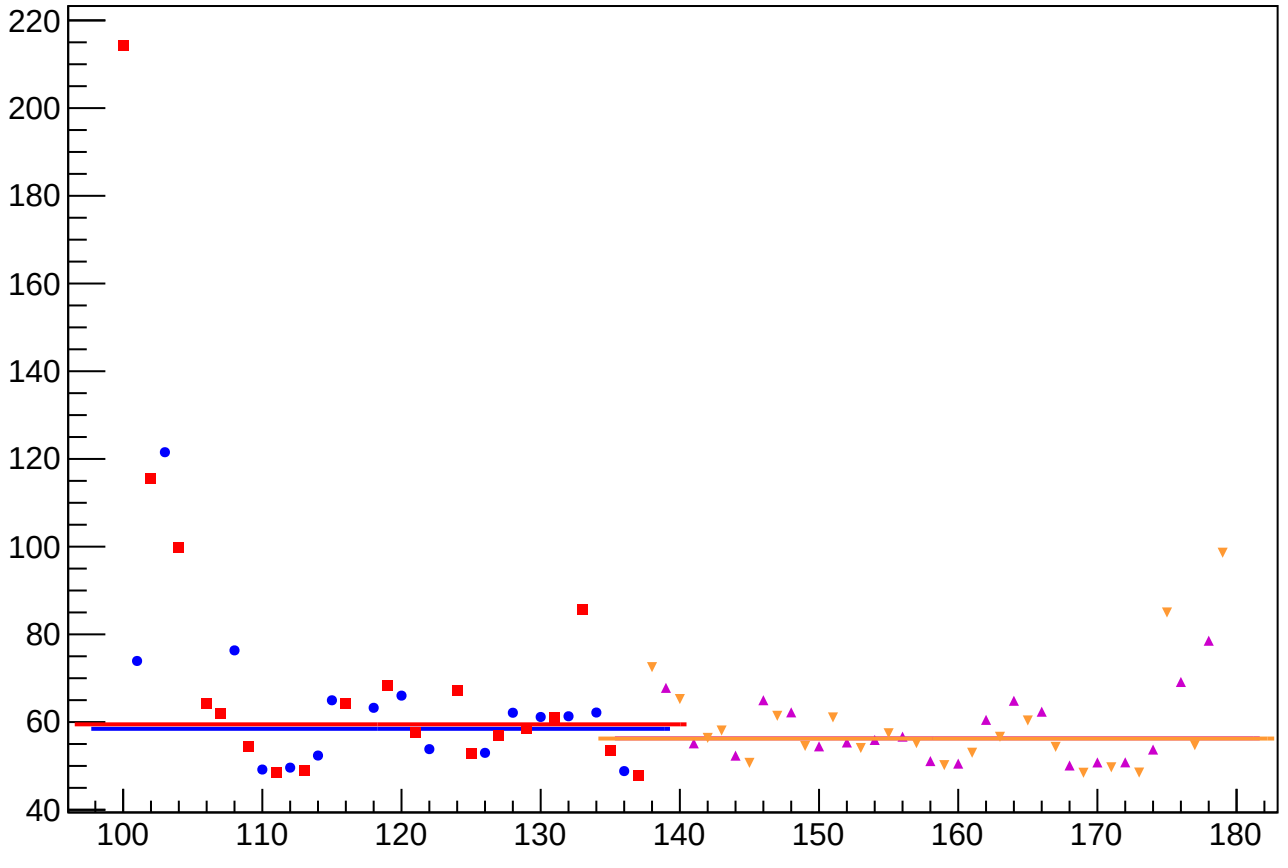
Left: 49.033+/-9.888 χ^2/NDF: 46.0/41

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.223+/-12.011 χ^2/NDF:49.9/35

Out: 41.440+/-11.782 χ^2/NDF:40.6/40

All: 38.881+/-8.411 χ^2/NDF: 90.6/76



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.243+/-0.010 χ^2/NDF:770698.1/21

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.290+/-0.010 χ^2/NDF:409621.5/19

Left: 56.265+/-0.007 χ^2/NDF: 1180330.8/41

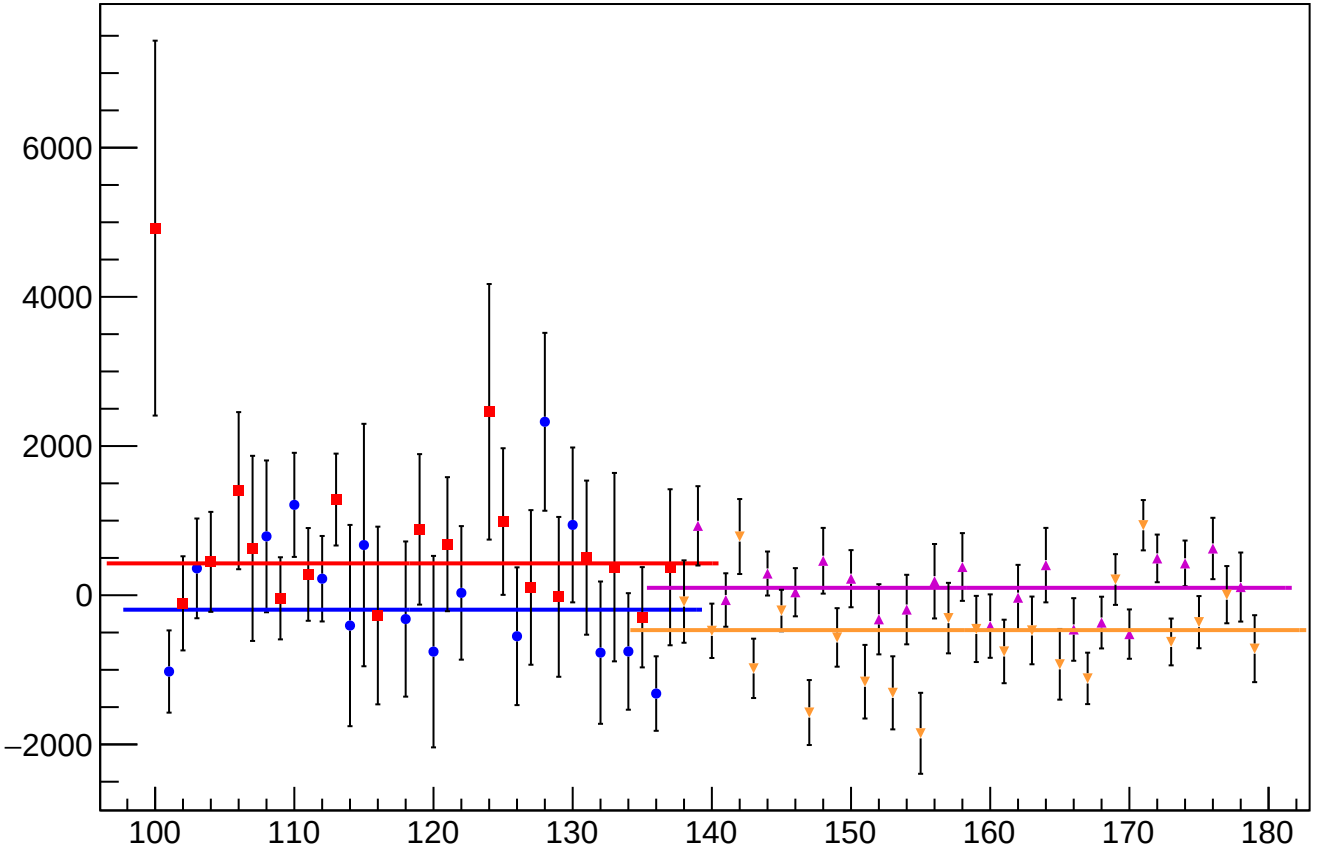
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.911+/-0.008 χ^2/NDF:1005992.1/35

Out: 57.111+/-0.008 χ^2/NDF:1585259.9/40

All: 57.013+/-0.006 χ^2/NDF: 2591534.7/76

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -467.622+/-85.190 χ^2/NDF:55.7/21

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 99.195+/-87.290 χ^2/NDF:18.8/19

Left: -191.115+/-60.967 χ^2/NDF: 96.2/41

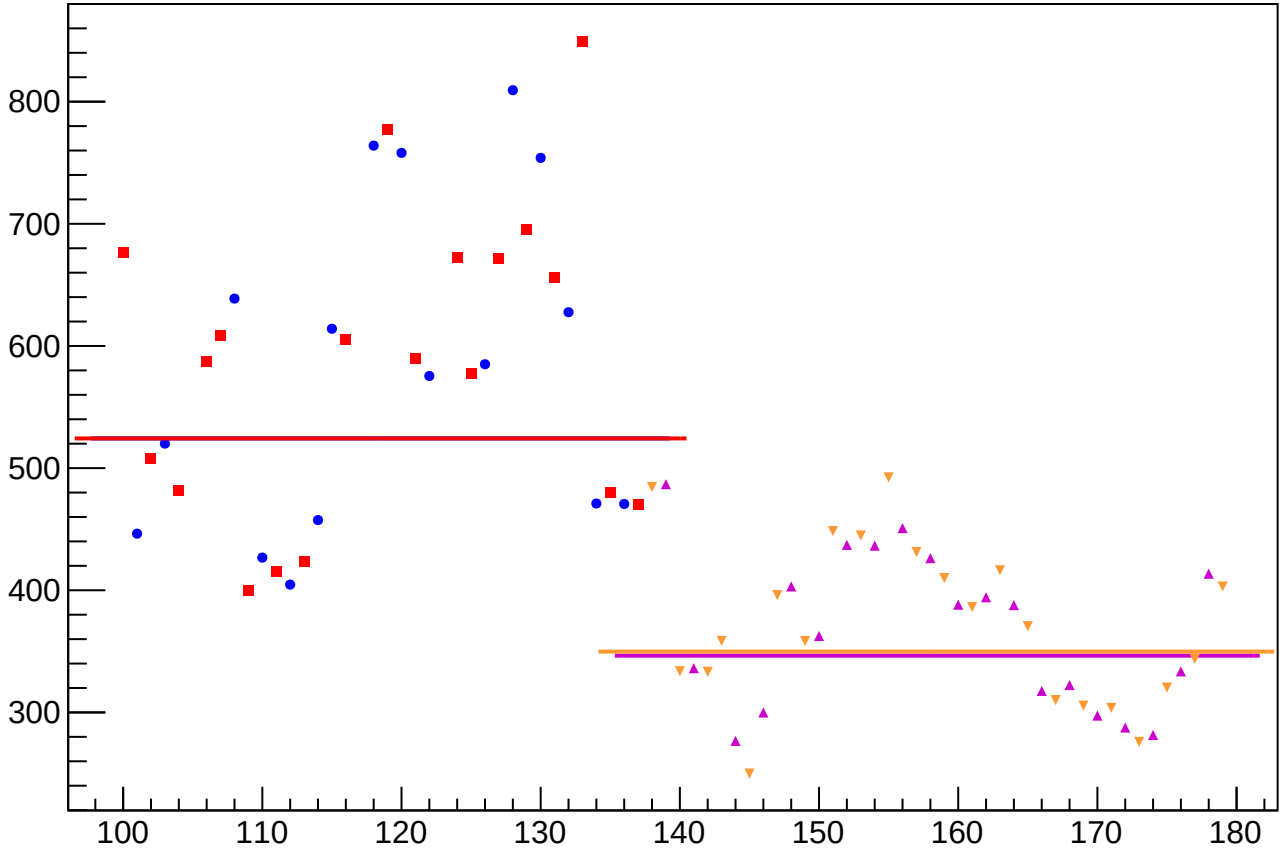
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 52.534+/-80.041 χ^2/NDF:41.4/35

Out: -326.693+/-78.192 χ^2/NDF:84.4/40

All: -141.509+/-55.932 χ^2/NDF: 137.3/76

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 349.810+/-0.060 χ^2/NDF:1110284.0/21

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 346.472+/-0.062 χ^2/NDF:951007.9/19

Left: 348.182+/-0.043 χ^2/NDF: 2062789.7/41

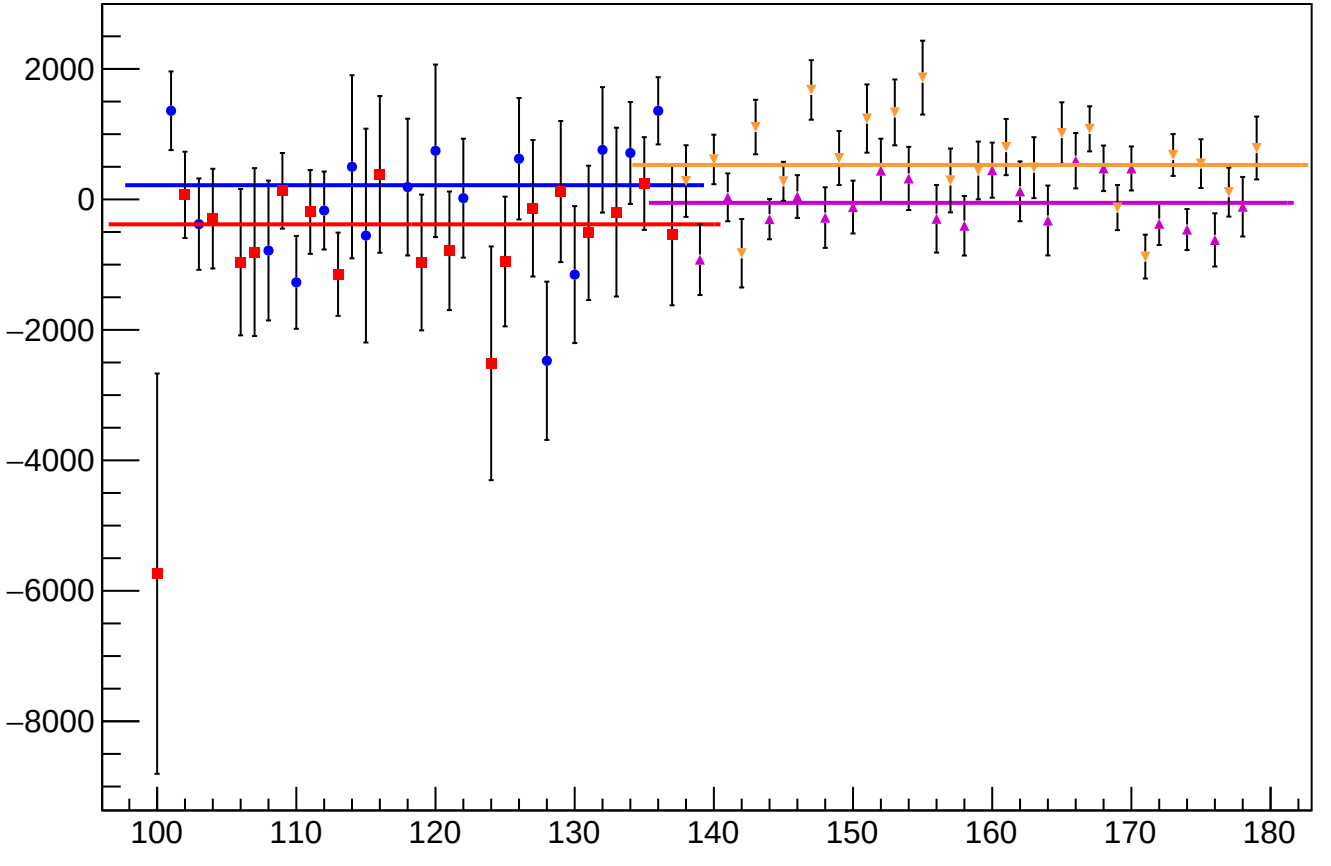
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 374.786+/-0.057 χ^2/NDF:2931313.6/35

Out: 377.299+/-0.055 χ^2/NDF:3118246.5/40

All: 376.072+/-0.040 χ^2/NDF: 6050568.3/76

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 528.432+/-87.787 χ^2/NDF:53.1/21

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -52.500+/-89.469 χ^2/NDF:19.5/19

Left: 243.480+/-62.661 χ^2/NDF: 94.1/41

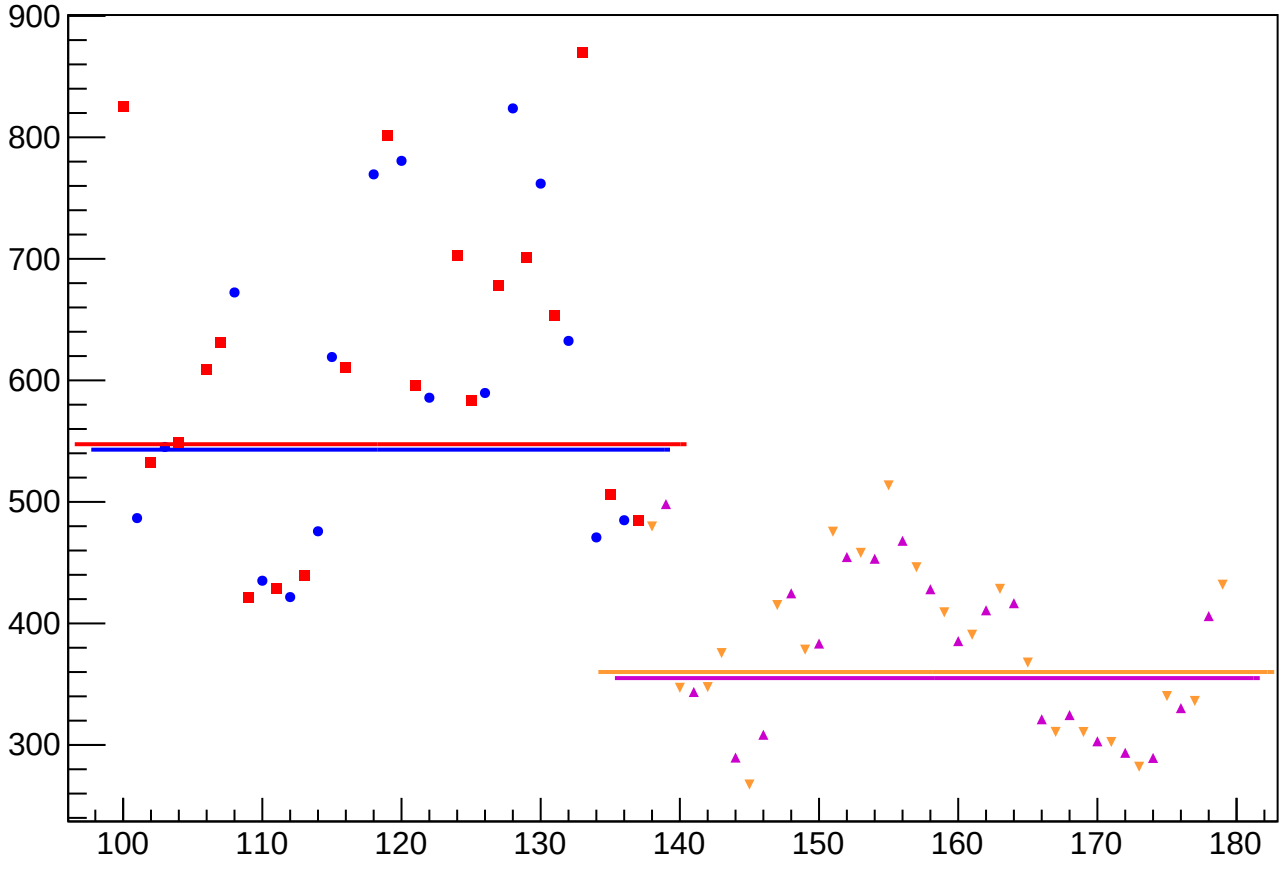
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -10.129+/-82.157 χ^2/NDF:43.8/35

Out: 388.053+/-80.734 χ^2/NDF:79.6/40

All: 192.439+/-57.584 χ^2/NDF: 135.4/76

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 360.035+/-0.062 χ^2/NDF:1102995.0/21

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 355.016+/-0.063 χ^2/NDF:969212.7/19

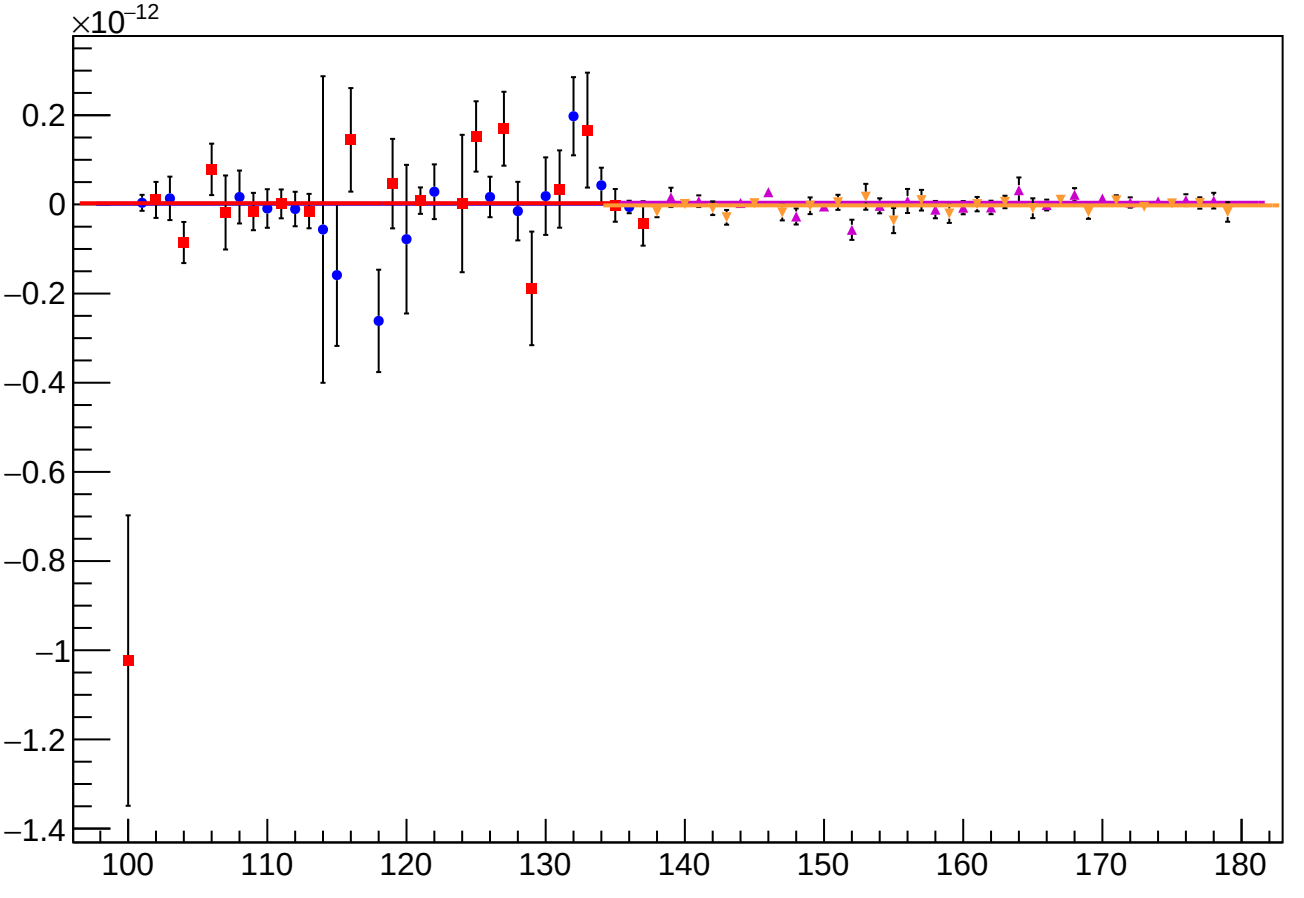
Left: 357.573+/-0.044 χ^2/NDF: 2075414.0/41

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 384.488+/-0.058 χ^2/NDF:2958661.8/35

Out: 388.940+/-0.057 χ^2/NDF:3139268.6/40

All: 386.753+/-0.041 χ^2/NDF: 6100918.4/76



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/19

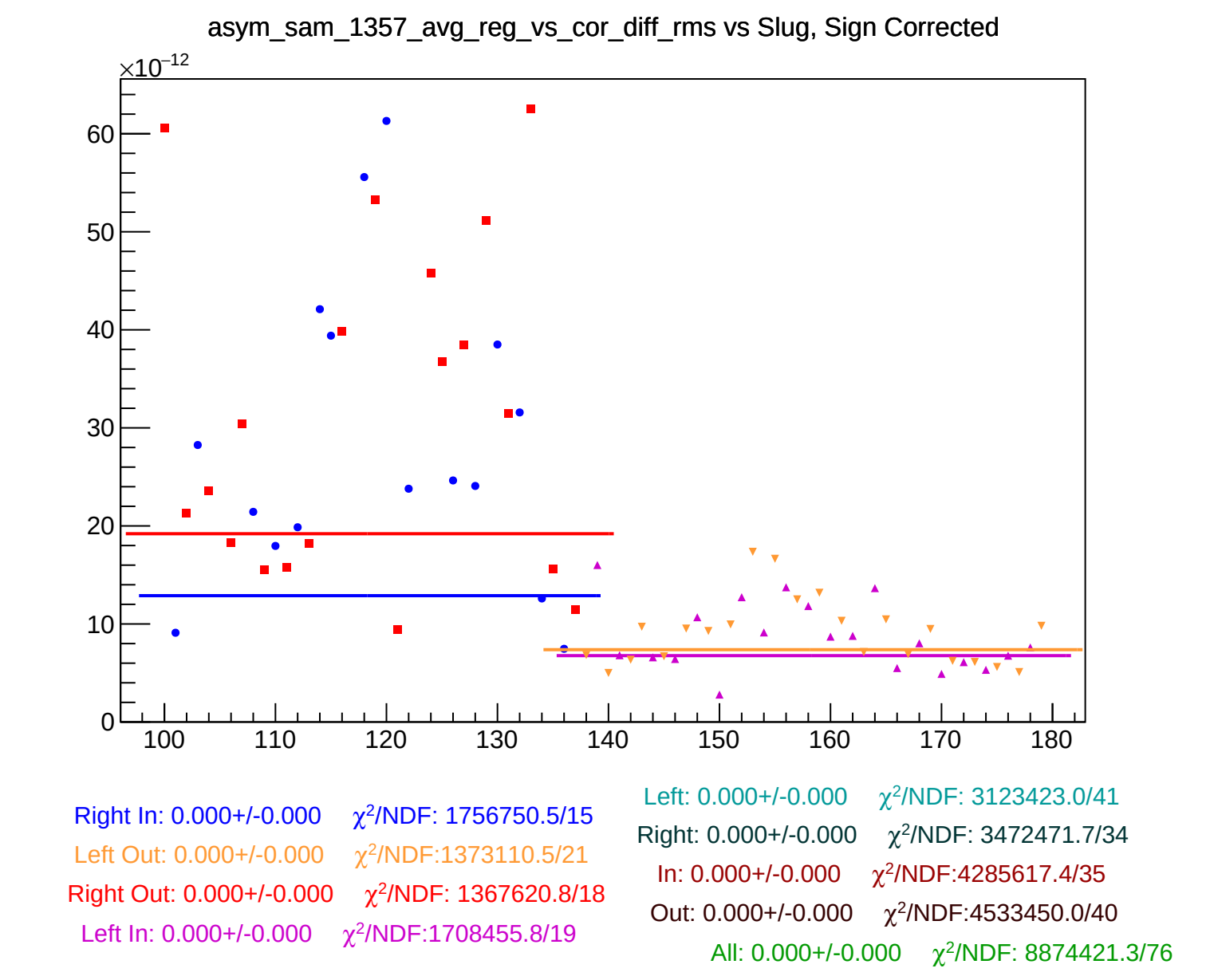
Left: 0.000+/-0.000 χ^2/NDF: 36.3/41

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

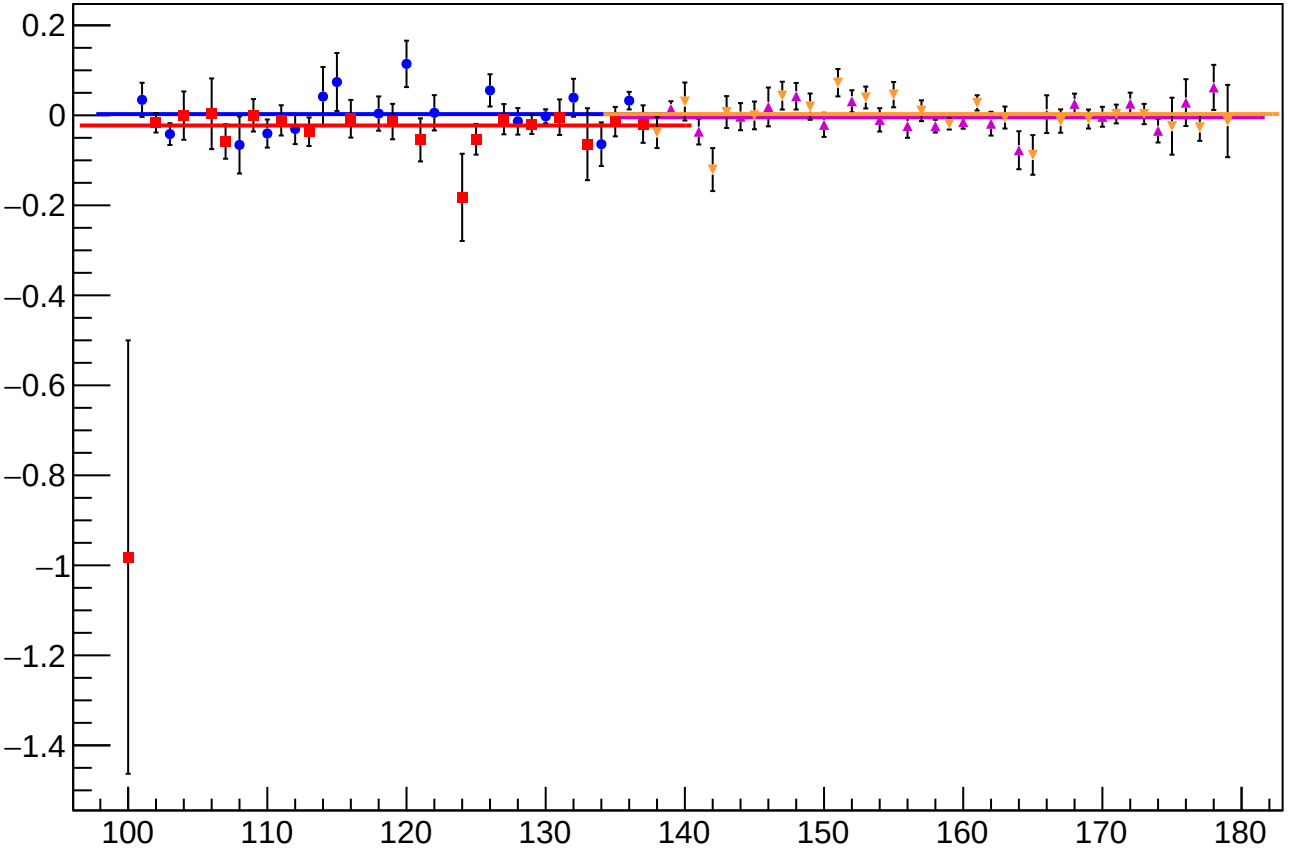
In: 0.000+/-0.000 χ^2/NDF:35.3/35

Out: -0.000+/-0.000 χ^2/NDF:43.0/40

All: 0.000+/-0.000 χ^2/NDF: 80.0/76


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1373110.5/21
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1708455.8/19
Left: 0.000+/-0.000 χ²/NDF: 3123423.0/41
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4285617.4/35
Out: 0.000+/-0.000 χ²/NDF:4533450.0/40
All: 0.000+/-0.000 χ²/NDF: 8874421.3/76

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:20.9/19

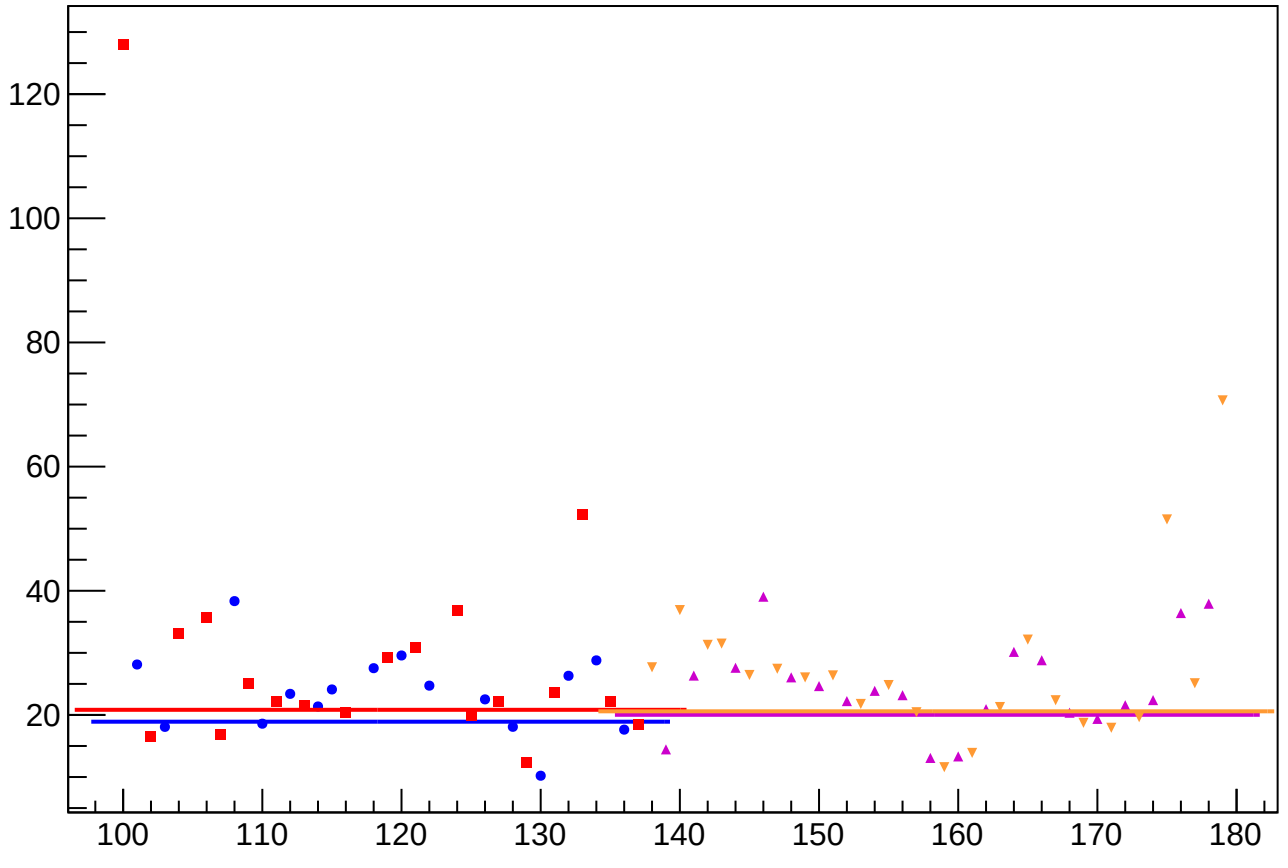
Left: -0.001+/-0.004 χ^2/NDF: 53.7/41

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 92.6/76



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860020.7/21

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.024+/-0.004 χ^2/NDF:2634892.4/19

Left: 20.303+/-0.003 χ^2/NDF: 6505413.0/41

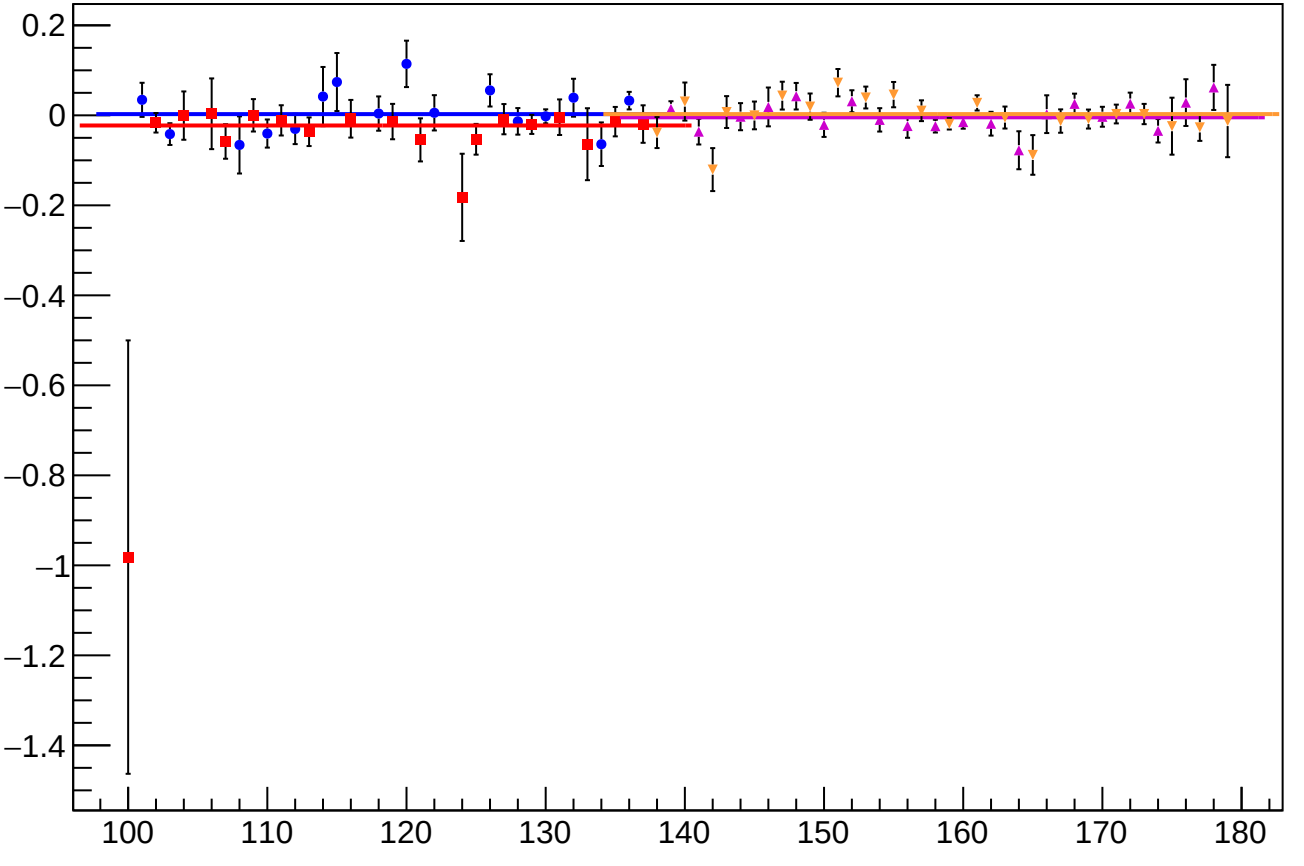
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.658+/-0.003 χ^2/NDF:4052505.3/35

Out: 20.656+/-0.003 χ^2/NDF:5152714.0/40

All: 20.143+/-0.002 χ^2/NDF: 9253636.5/76

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:20.9/19

Left: -0.001+/-0.004 χ^2/NDF: 53.7/41

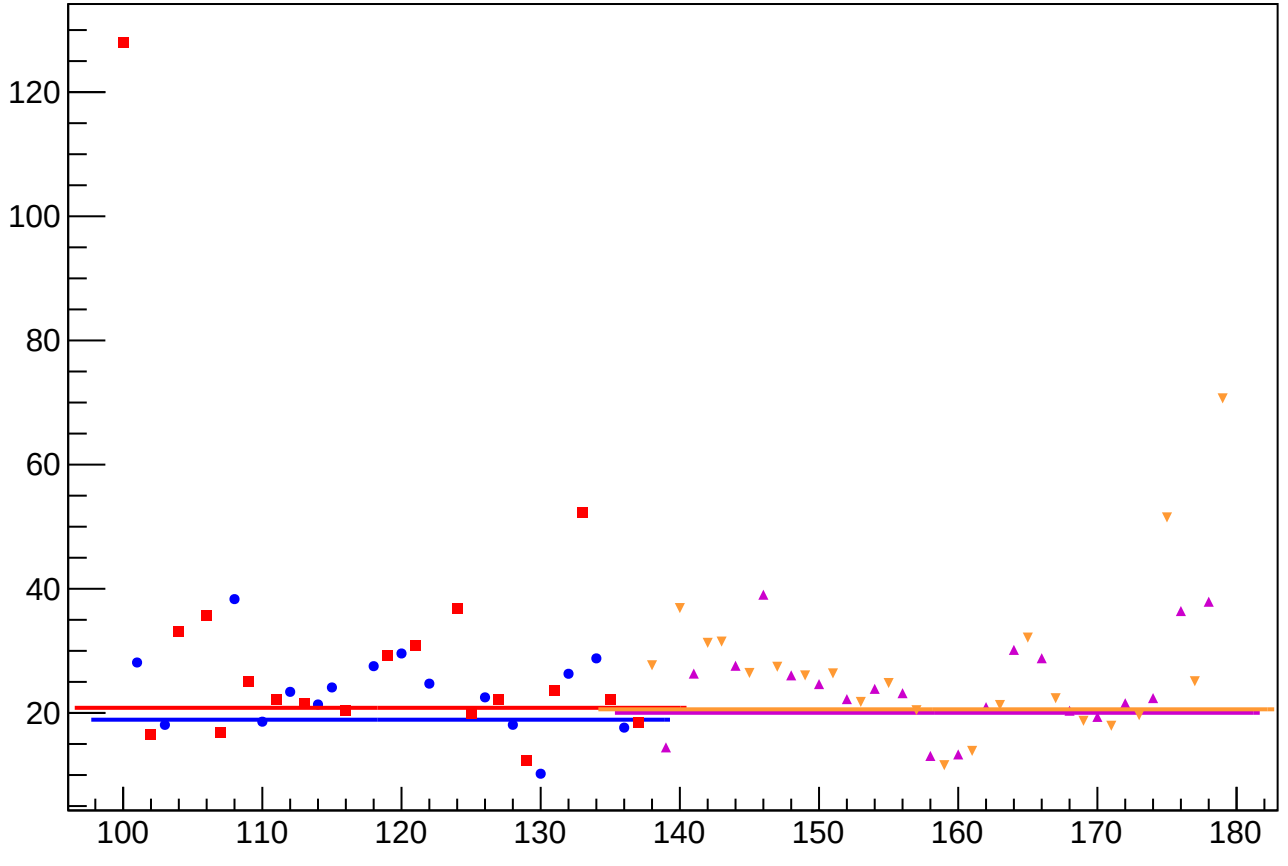
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 92.6/76

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860020.7/21

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 20.024+/-0.004 χ^2/NDF:2634892.4/19

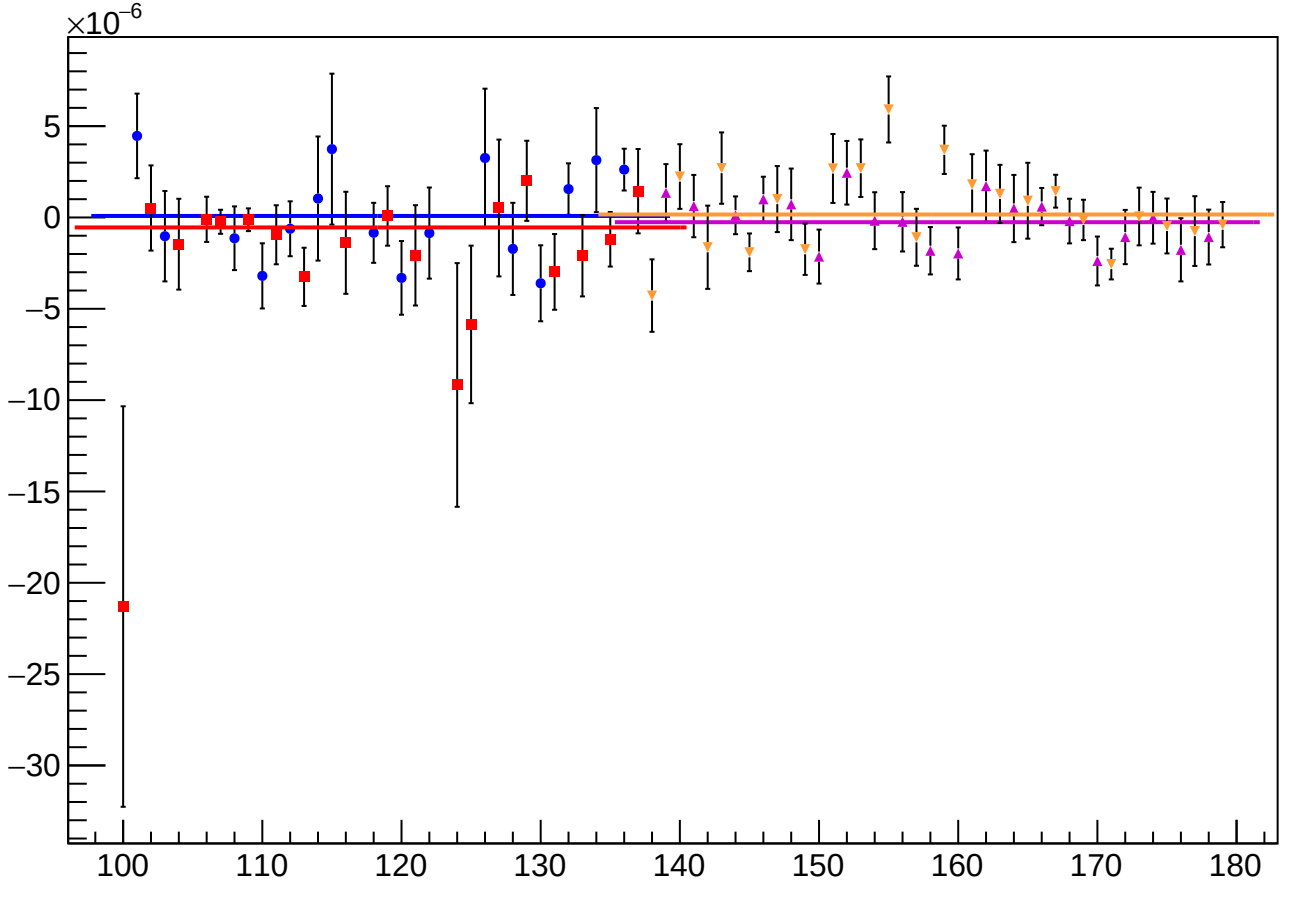
Left: 20.303+/-0.003 χ^2/NDF: 6505413.0/41

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.658+/-0.003 χ^2/NDF:4052505.3/35

Out: 20.656+/-0.003 χ^2/NDF:5152714.0/40

All: 20.143+/-0.002 χ^2/NDF: 9253636.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/19

Left: -0.000+/-0.000 χ^2/NDF: 68.3/41

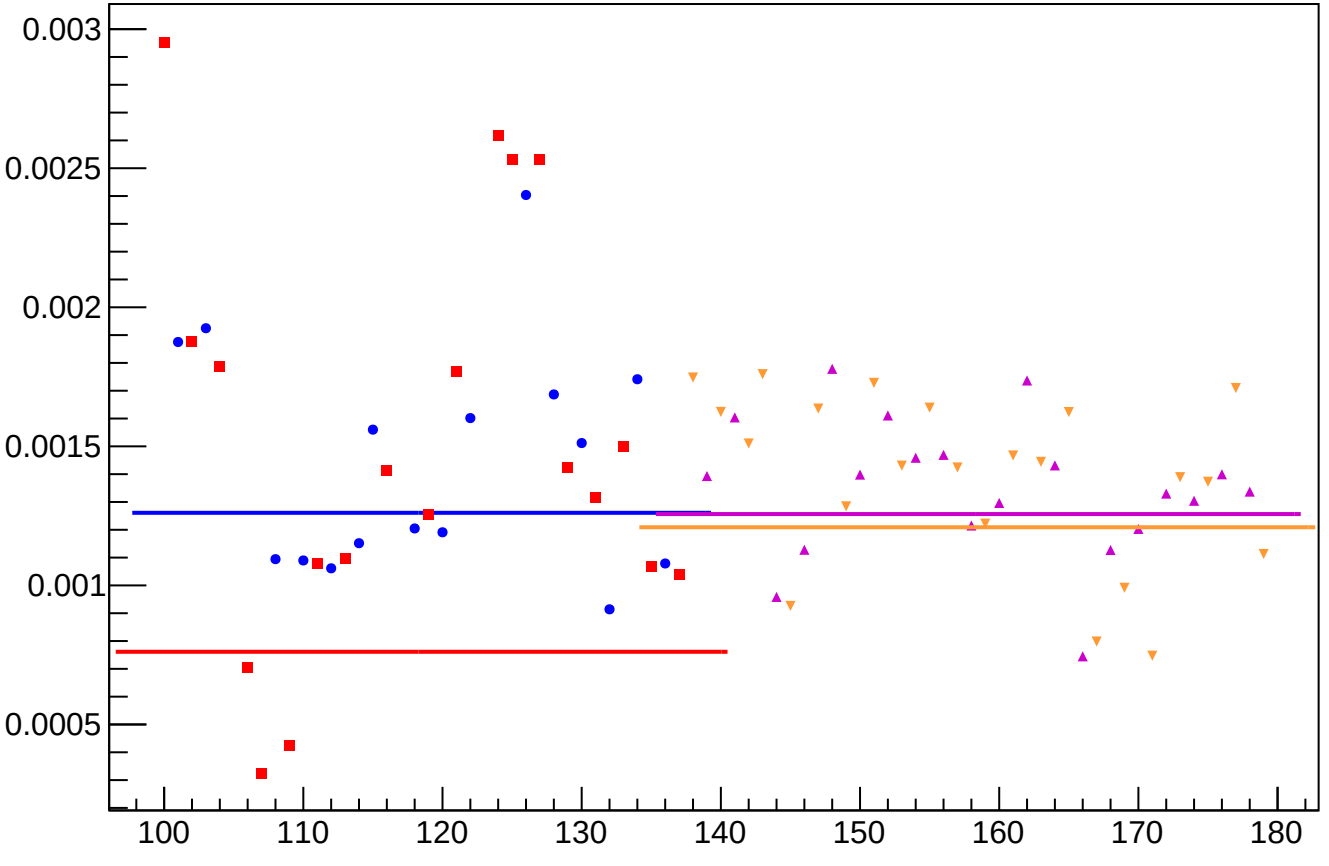
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:39.4/35

Out: -0.000+/-0.000 χ^2/NDF:69.9/40

All: -0.000+/-0.000 χ^2/NDF: 109.3/76

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2531596.3/21

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1297503.5/19

Left: 0.001+/-0.000 χ^2/NDF: 3852372.8/41

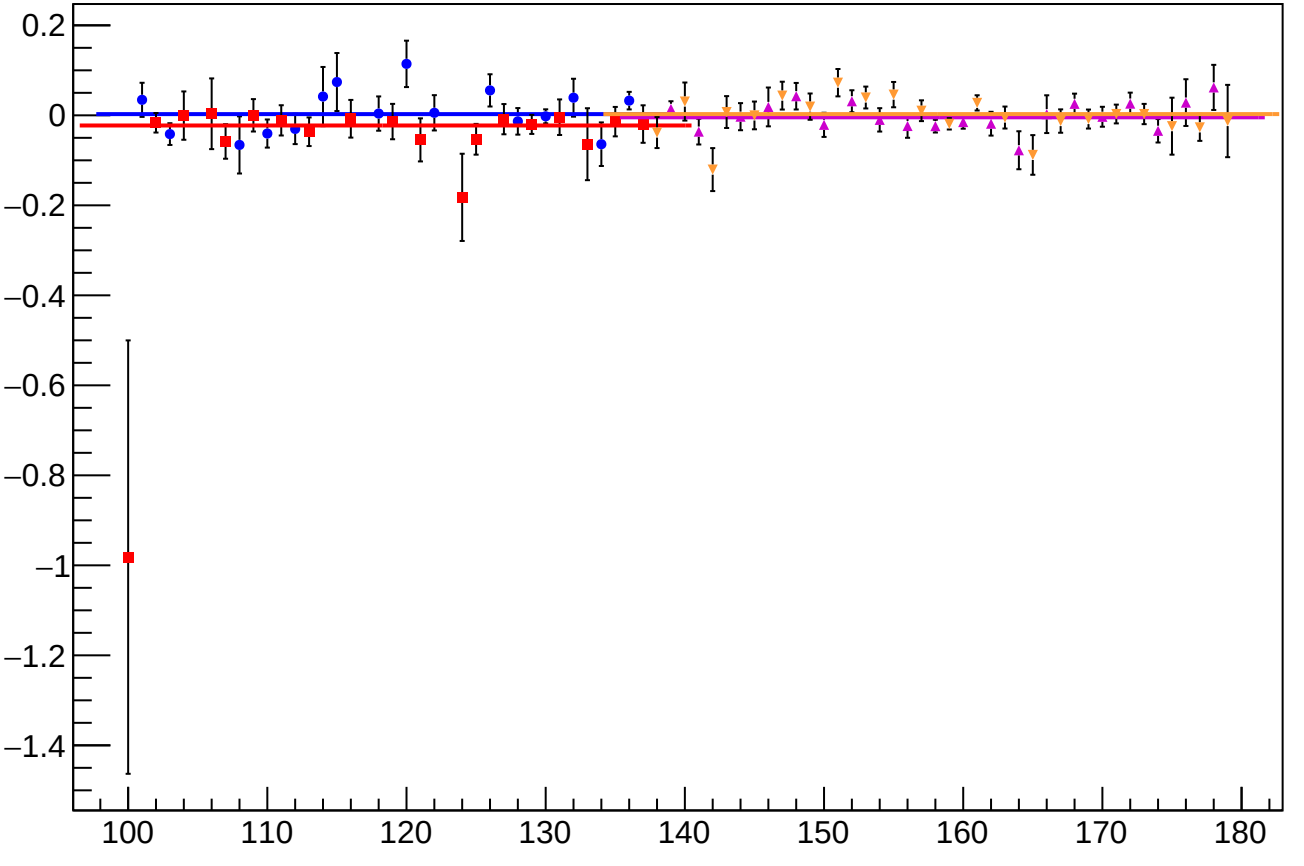
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2204965.4/35

Out: 0.001+/-0.000 χ^2/NDF:9155731.5/40

All: 0.001+/-0.000 χ^2/NDF: 12358861.3/76

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:20.9/19

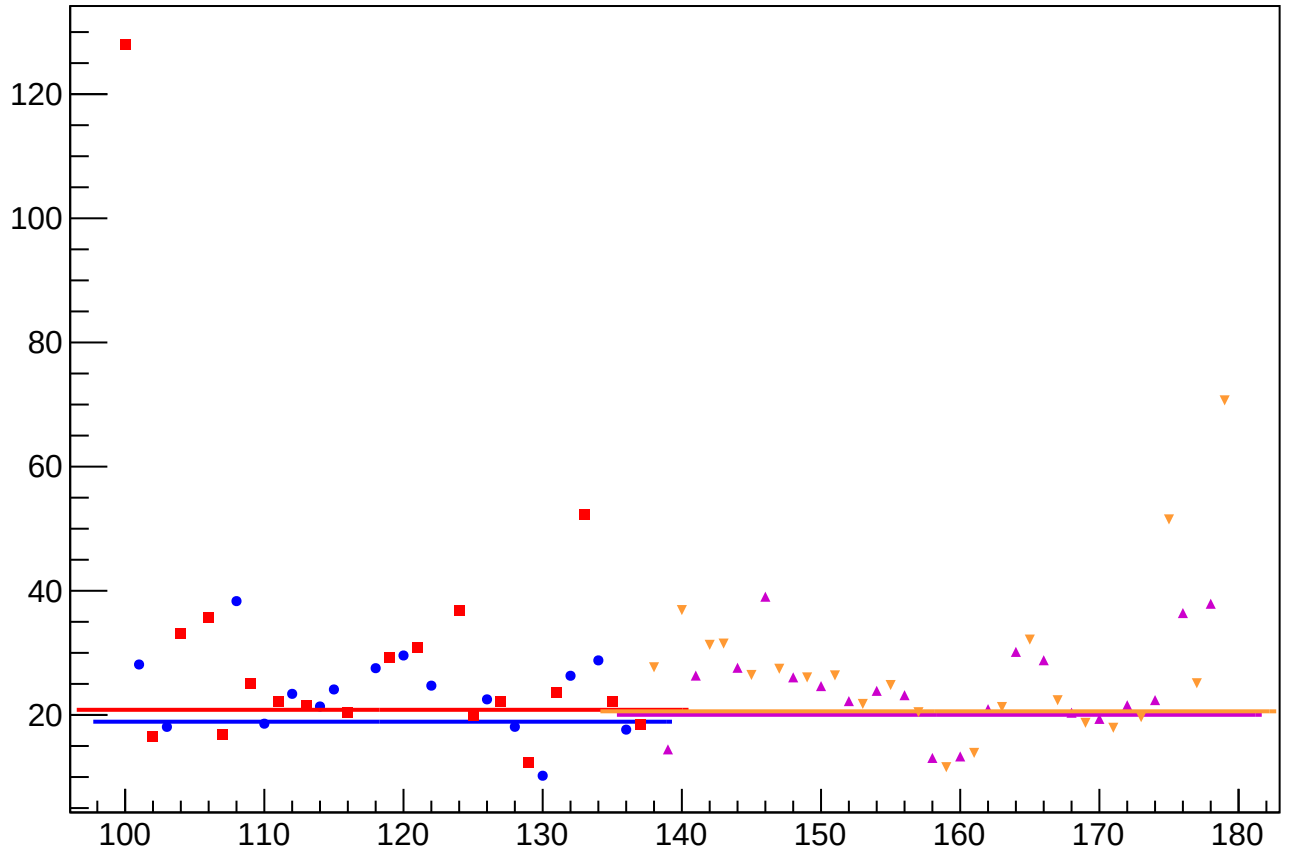
Left: -0.001+/-0.004 χ^2/NDF: 53.7/41

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 92.6/76



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860178.1/21

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.024+/-0.004 χ^2/NDF:2634919.6/19

Left: 20.304+/-0.003 χ^2/NDF: 6505591.3/41

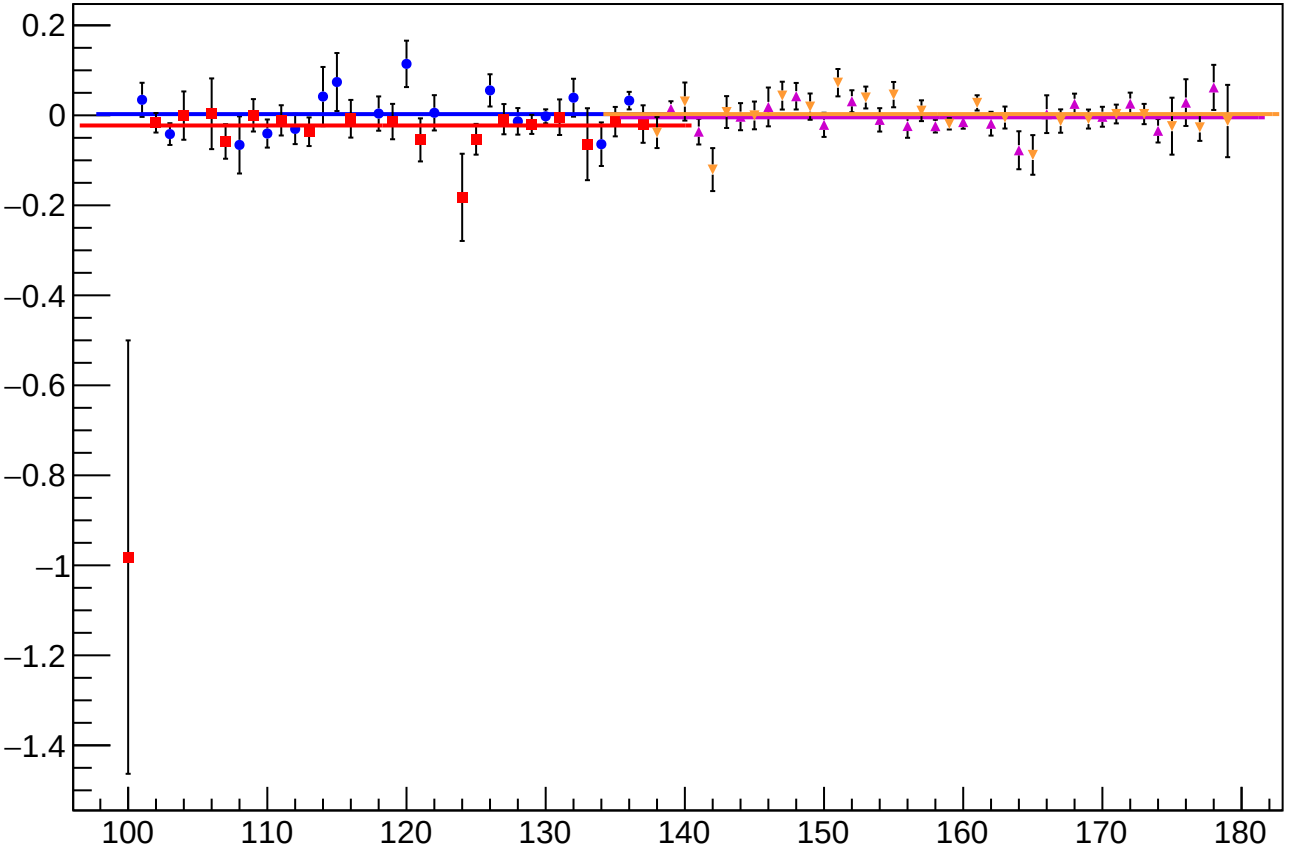
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.658+/-0.003 χ^2/NDF:4052406.2/35

Out: 20.657+/-0.003 χ^2/NDF:5152869.3/40

All: 20.144+/-0.002 χ^2/NDF: 9253673.8/76

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/21

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:20.9/19

Left: -0.001+/-0.004 χ^2/NDF: 53.7/41

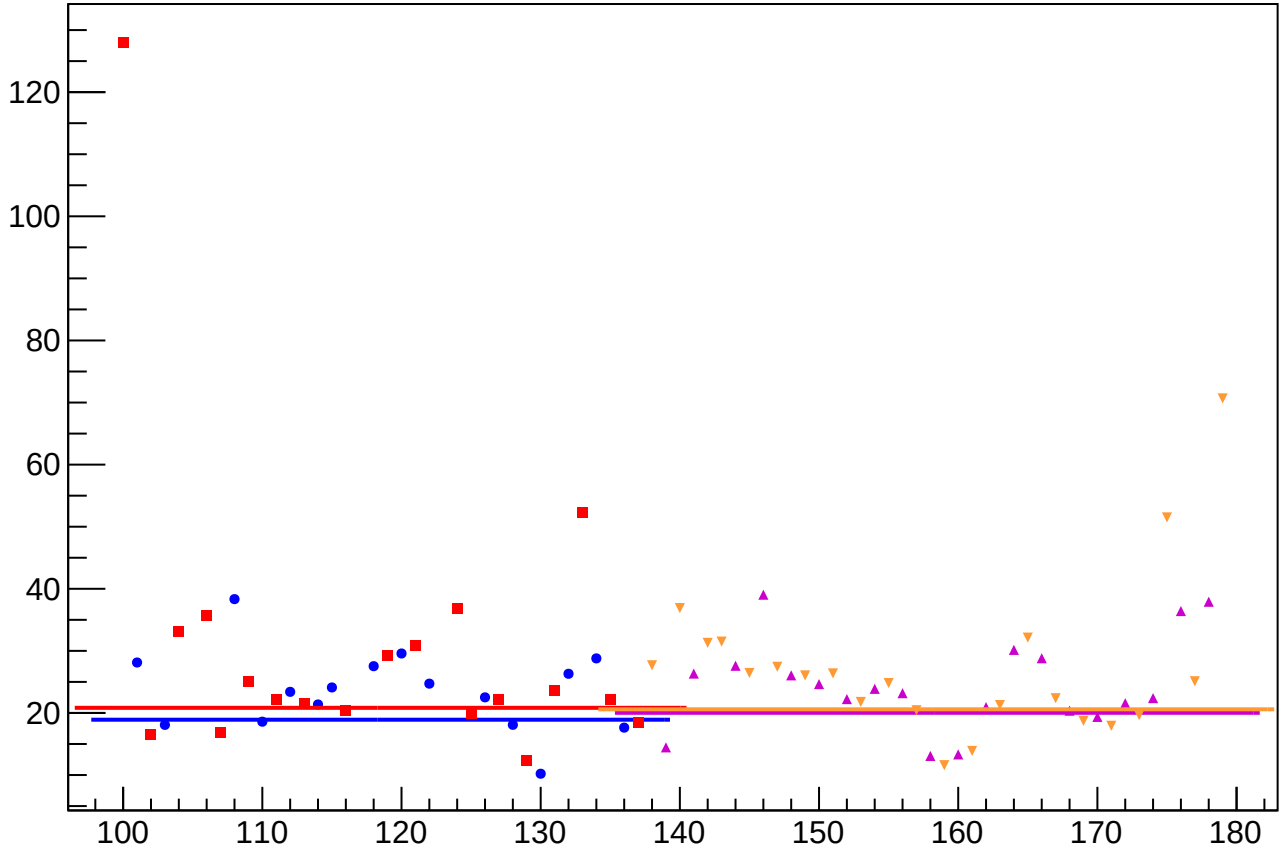
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/40

All: -0.003+/-0.003 χ^2/NDF: 92.6/76

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 20.585+/-0.004 χ^2/NDF:3860178.1/21

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 20.024+/-0.004 χ^2/NDF:2634919.6/19

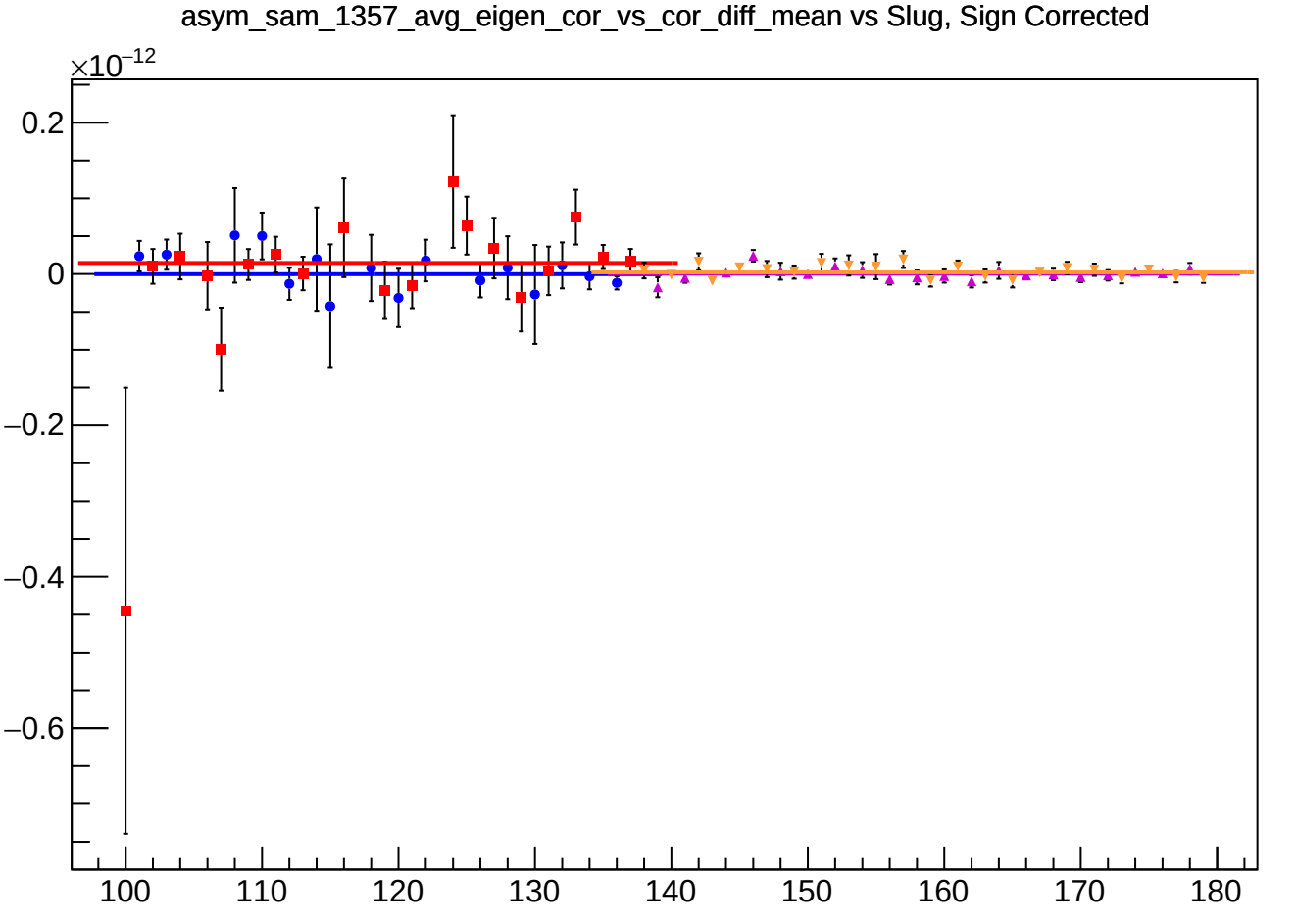
Left: 20.304+/-0.003 χ^2/NDF: 6505591.3/41

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.658+/-0.003 χ^2/NDF:4052406.2/35

Out: 20.657+/-0.003 χ^2/NDF:5152869.3/40

All: 20.144+/-0.002 χ^2/NDF: 9253673.8/76



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/19

Left: 0.000+/-0.000 χ^2/NDF: 37.6/41

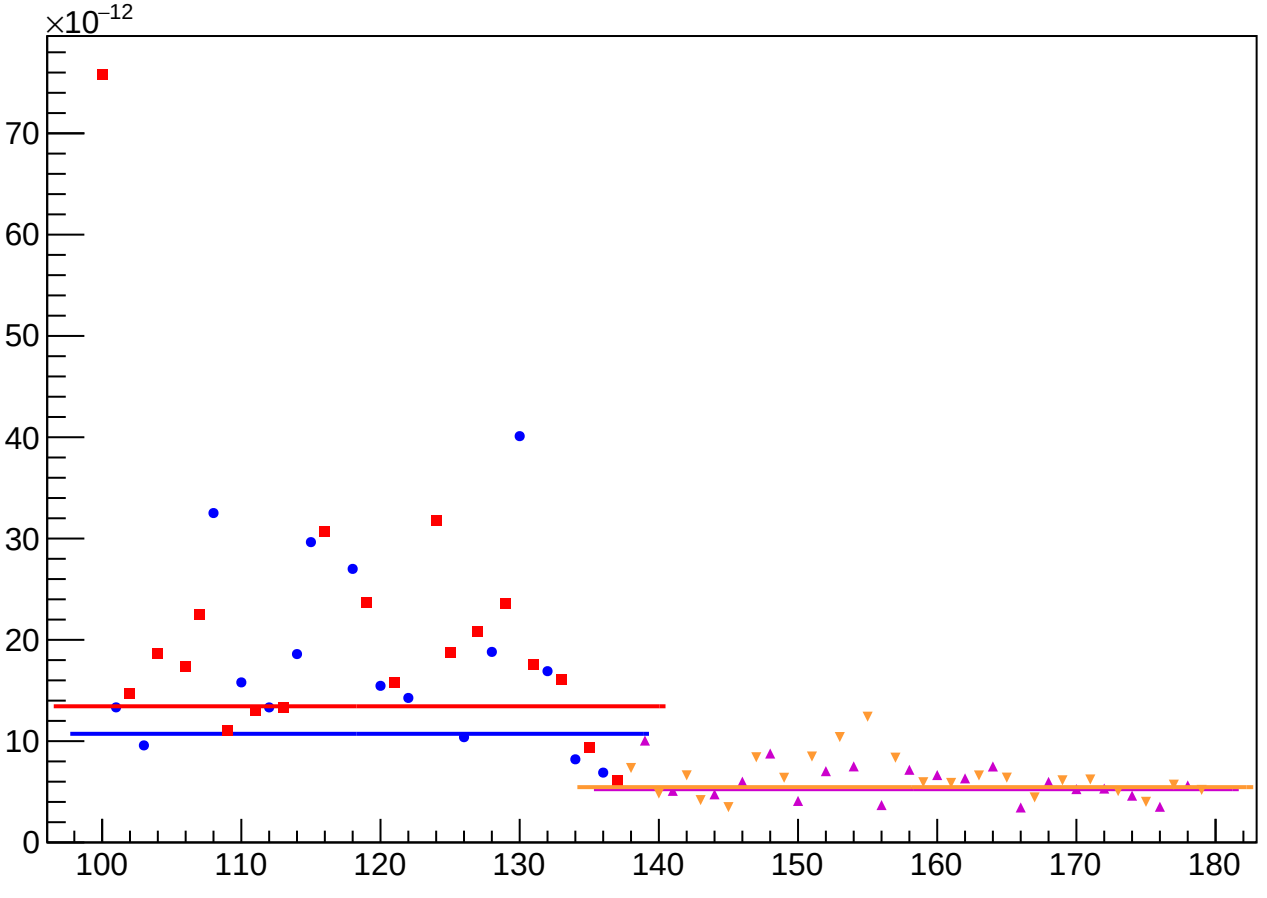
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:28.4/35

Out: 0.000+/-0.000 χ^2/NDF:40.1/40

All: 0.000+/-0.000 χ^2/NDF: 69.8/76

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1888172.1/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1491708.9/19

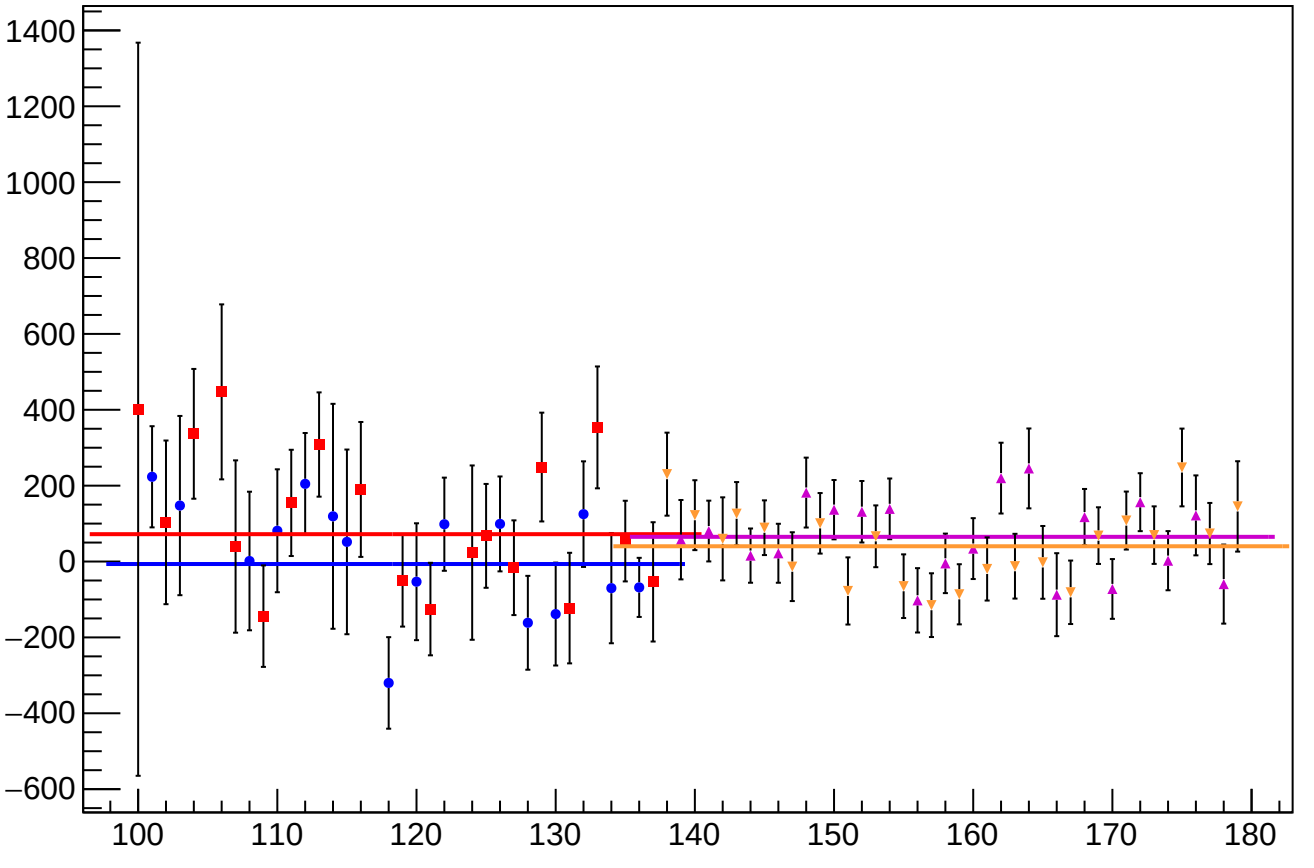
Left: 0.000+/-0.000 χ^2/NDF: 3394541.3/41

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:5075780.9/35

Out: 0.000+/-0.000 χ^2/NDF:6094010.1/40

All: 0.000+/-0.000 χ^2/NDF: 11190871.4/76



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.242+/-18.264 χ^2/NDF:25.0/21

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 65.104+/-18.882 χ^2/NDF:24.6/19

Left: 52.260+/-13.128 χ^2/NDF: 50.5/41

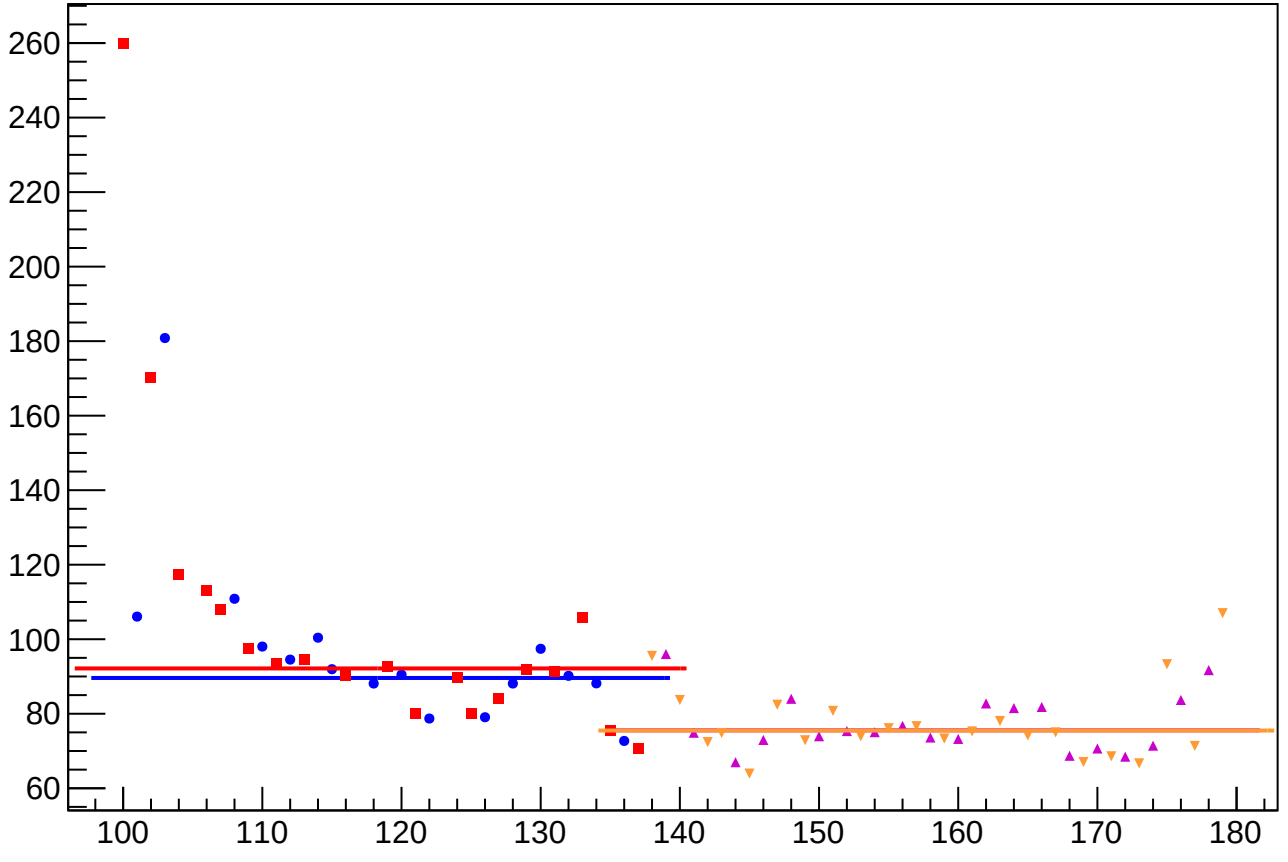
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 48.427+/-16.539 χ^2/NDF:46.9/35

Out: 47.102+/-16.181 χ^2/NDF:48.5/40

All: 47.750+/-11.566 χ^2/NDF: 95.3/76

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

Left: 75.521+/-0.009 χ^2/NDF: 697408.7/41

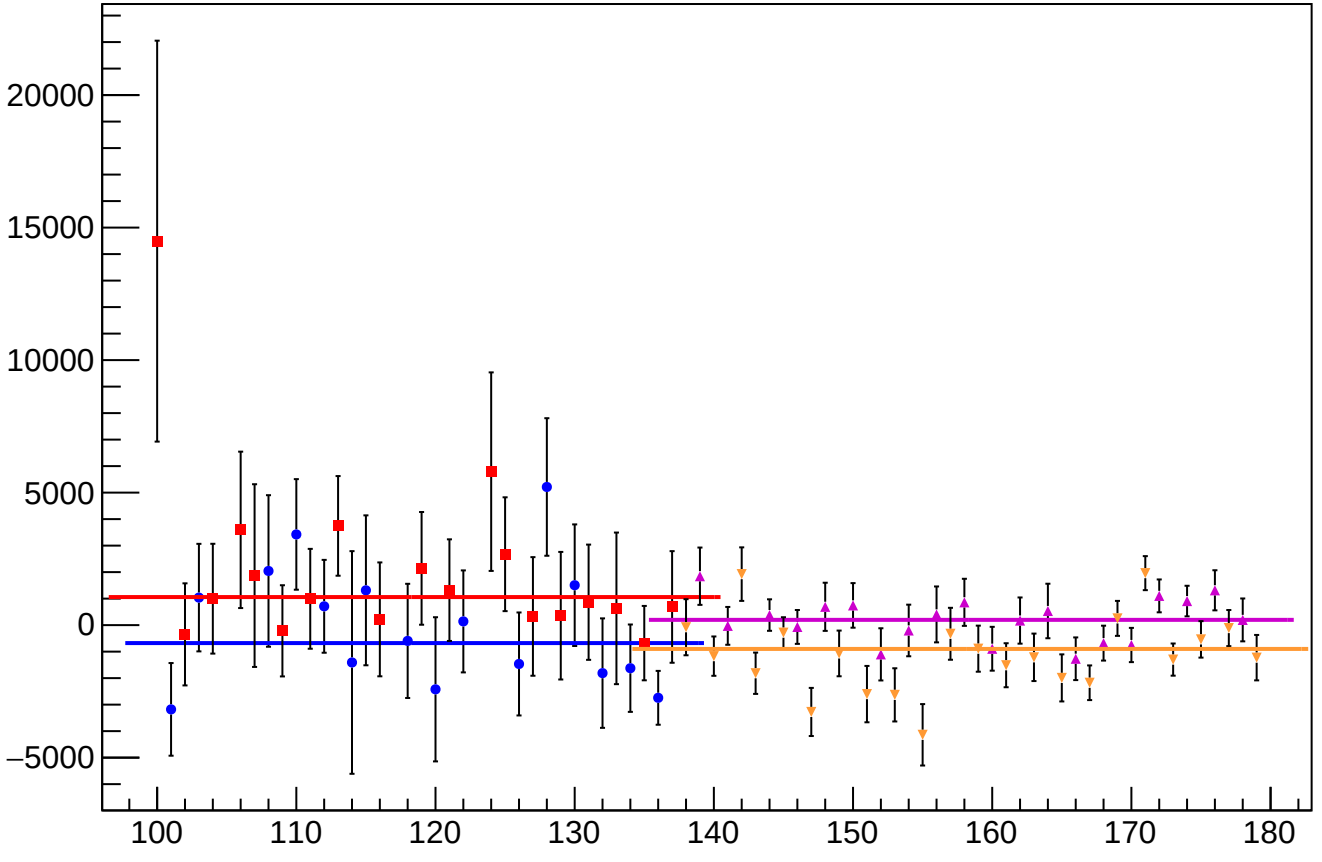
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.821+/-0.012 χ^2/NDF:1017242.0/35

Out: 79.079+/-0.011 χ^2/NDF:1336810.1/40

All: 78.953+/-0.008 χ^2/NDF: 2354302.4/76

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -898.122+/-168.533 χ^2/NDF:62.7/21

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 198.802+/-171.926 χ^2/NDF:20.8/19

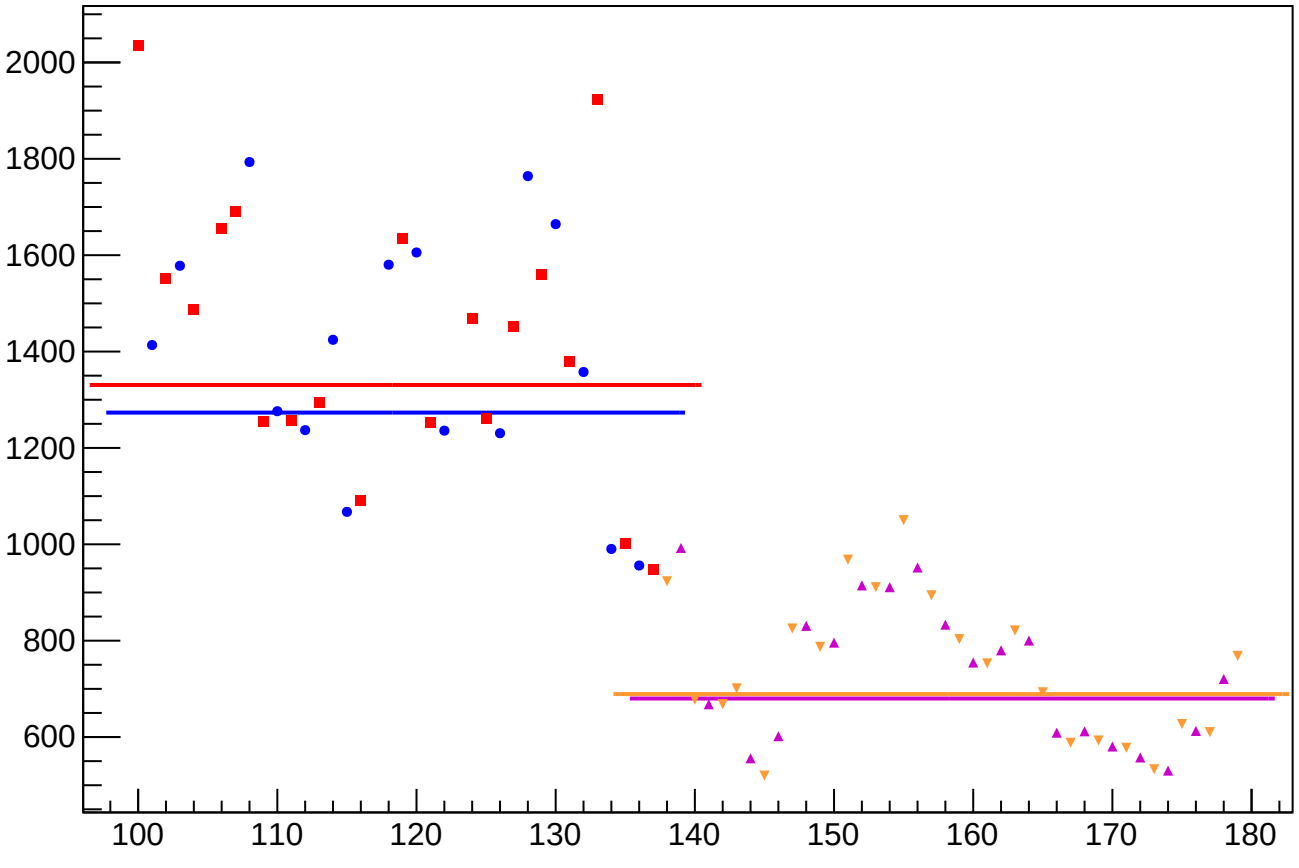
Left: -360.591+/-120.353 χ^2/NDF: 104.3/41

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 101.520+/-162.101 χ^2/NDF:44.0/35

Out: -695.834+/-159.585 χ^2/NDF:88.1/40

All: -303.394+/-113.723 χ^2/NDF: 144.4/76



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289323.7/21

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 679.954+/-0.122 χ^2/NDF:1184126.2/19

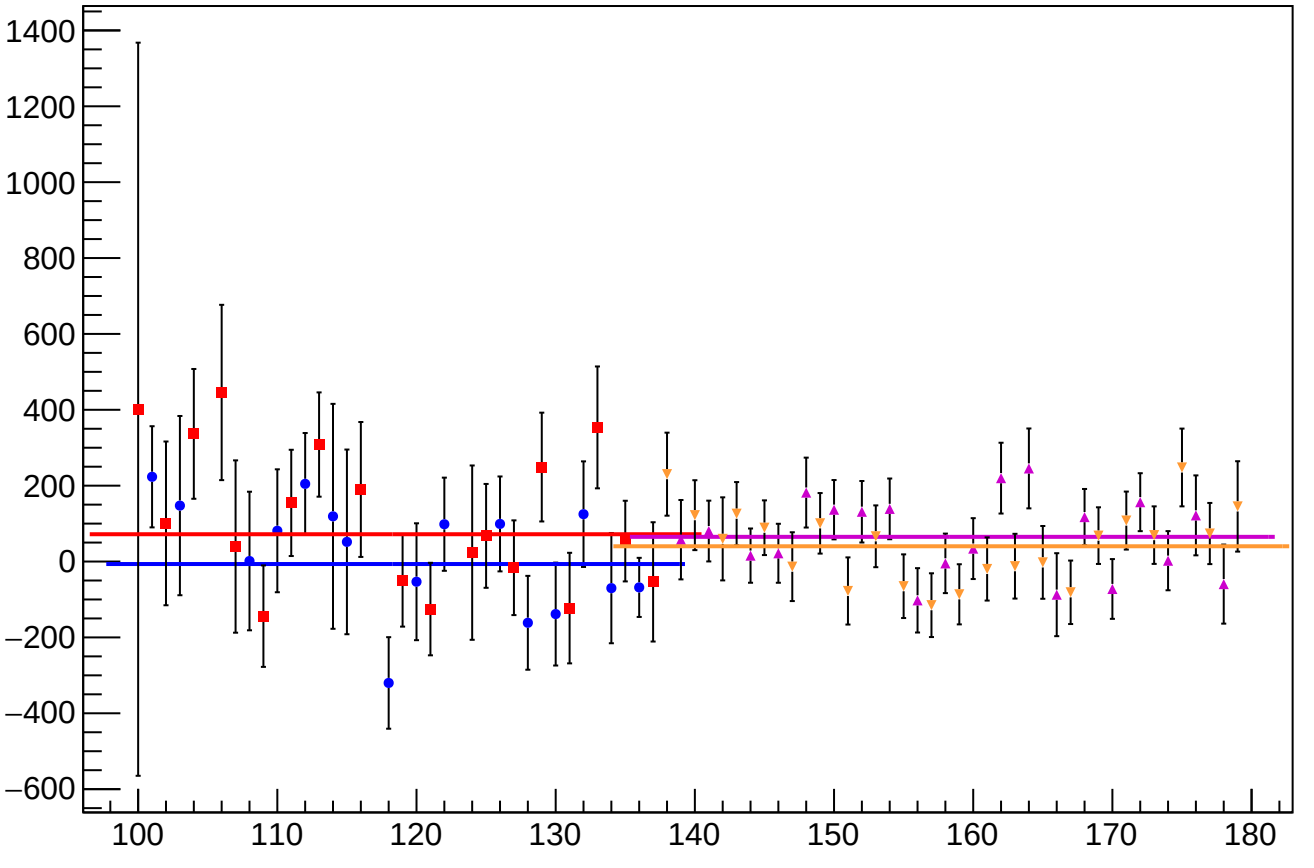
Left: 684.664+/-0.085 χ^2/NDF: 2476393.3/41

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 745.836+/-0.115 χ^2/NDF:4426727.1/35

Out: 755.503+/-0.113 χ^2/NDF:4755392.8/40

All: 750.745+/-0.080 χ^2/NDF: 9185731.9/76



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 65.103+/-18.882 χ^2/NDF:24.6/19

Left: 52.262+/-13.128 χ^2/NDF: 50.5/41

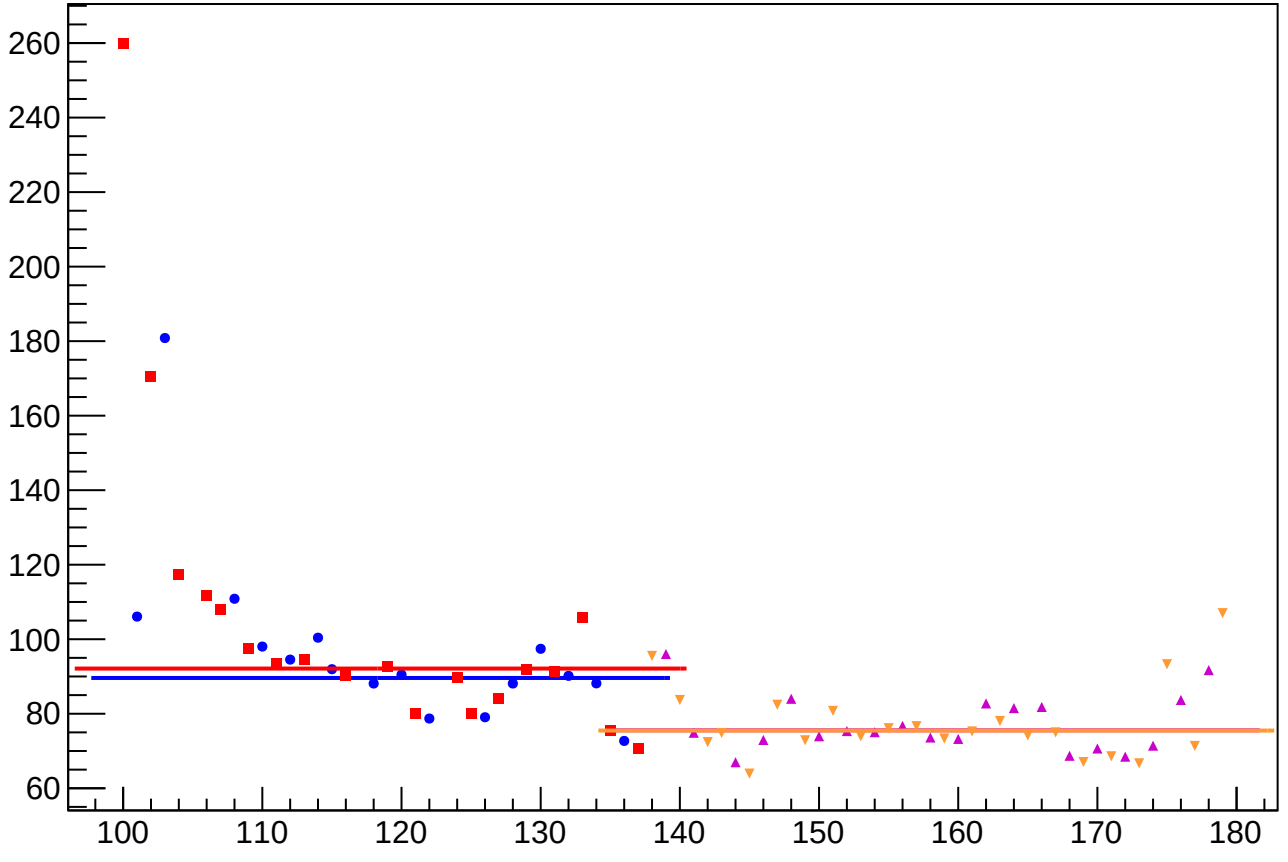
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 48.425+/-16.539 χ^2/NDF:46.9/35

Out: 47.074+/-16.181 χ^2/NDF:48.4/40

All: 47.734+/-11.566 χ^2/NDF: 95.3/76

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

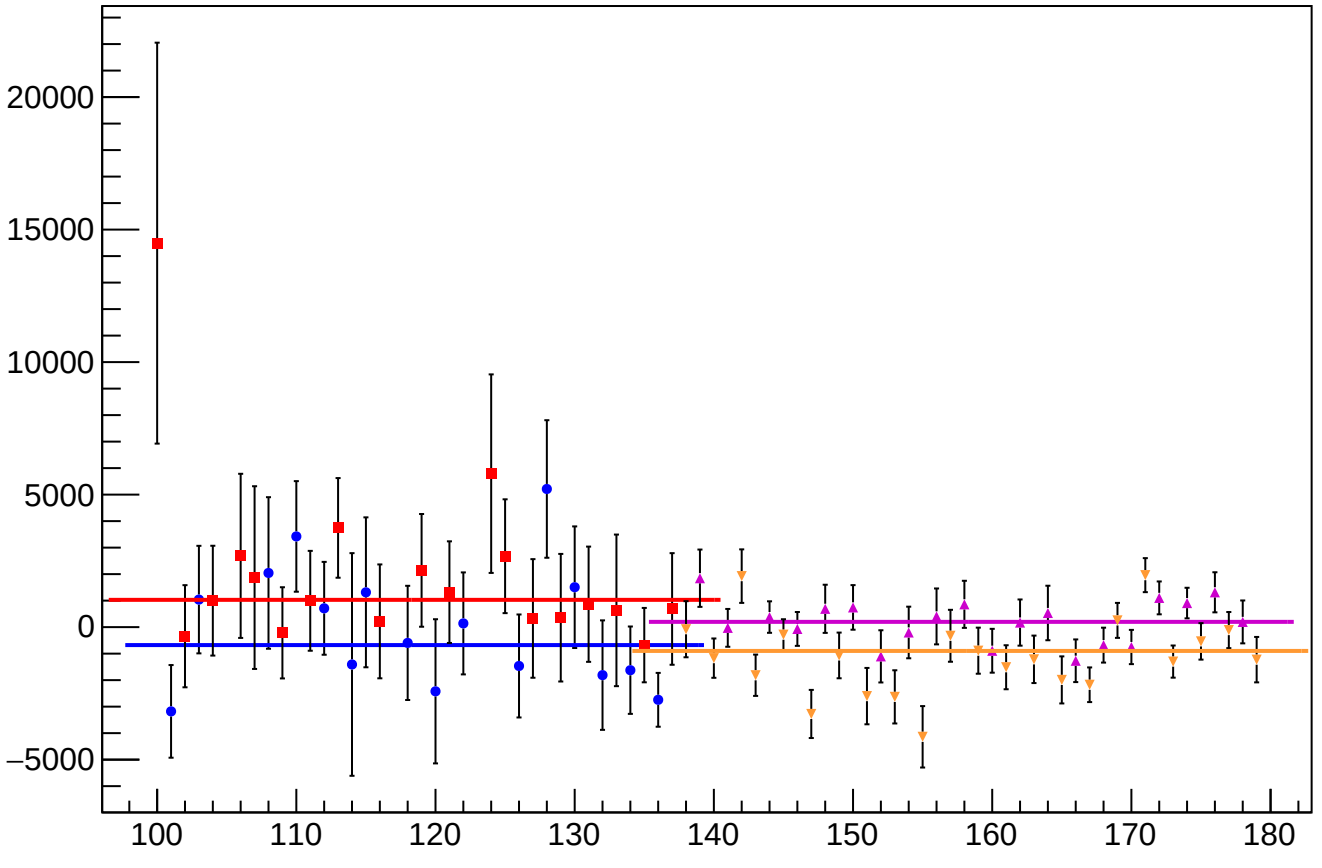
Left: 75.521+/-0.009 χ^2/NDF: 697408.7/41

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.821+/-0.012 χ^2/NDF:1017245.5/35

Out: 79.072+/-0.011 χ^2/NDF:1333647.5/40

All: 78.949+/-0.008 χ^2/NDF: 2351129.7/76



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 198.803+/-171.926 χ^2/NDF:20.8/19

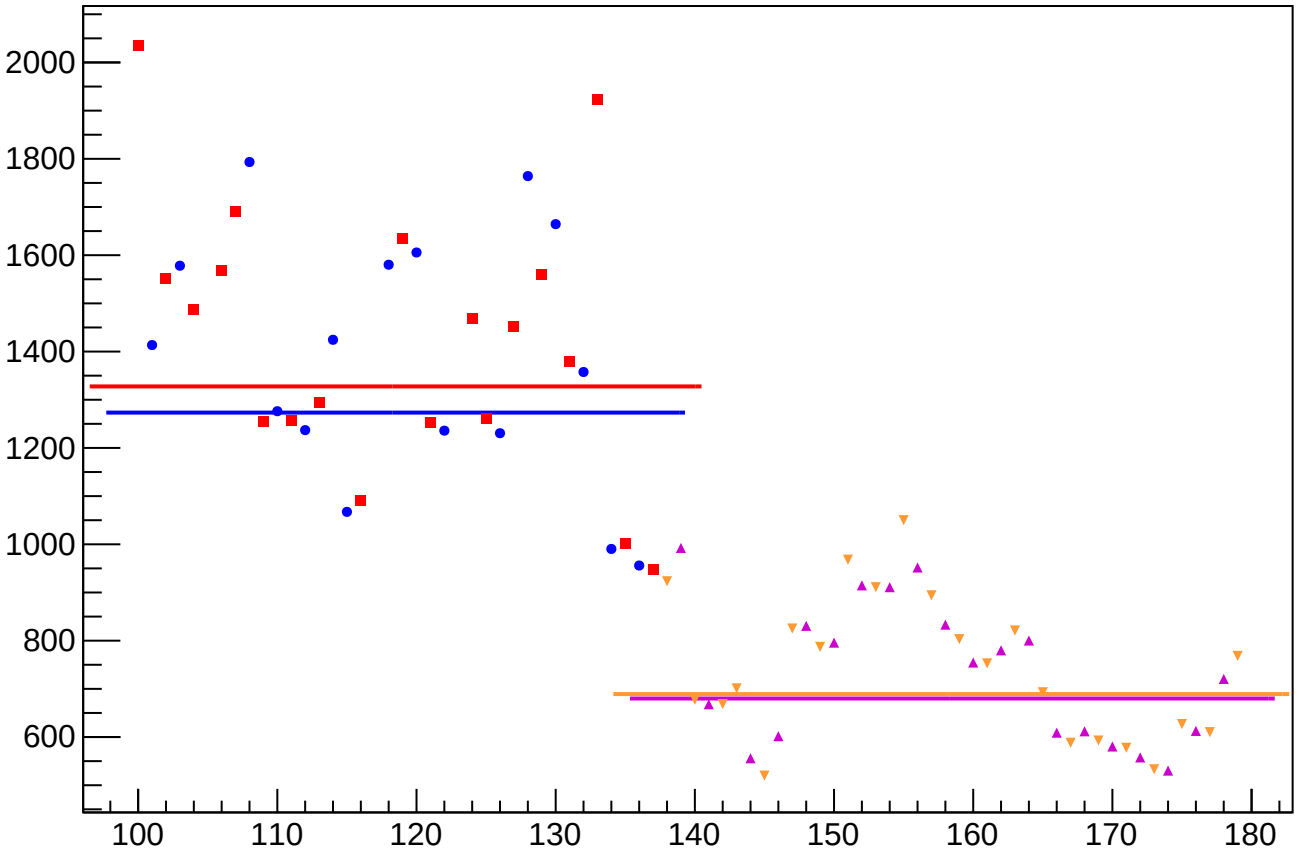
Left: -360.587+/-120.353 χ^2/NDF: 104.3/41

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 101.525+/-162.101 χ^2/NDF:44.0/35

Out: -699.343+/-159.607 χ^2/NDF:87.2/40

All: -305.118+/-113.731 χ^2/NDF: 143.6/76



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.954+/-0.122 χ^2/NDF:1184124.4/19

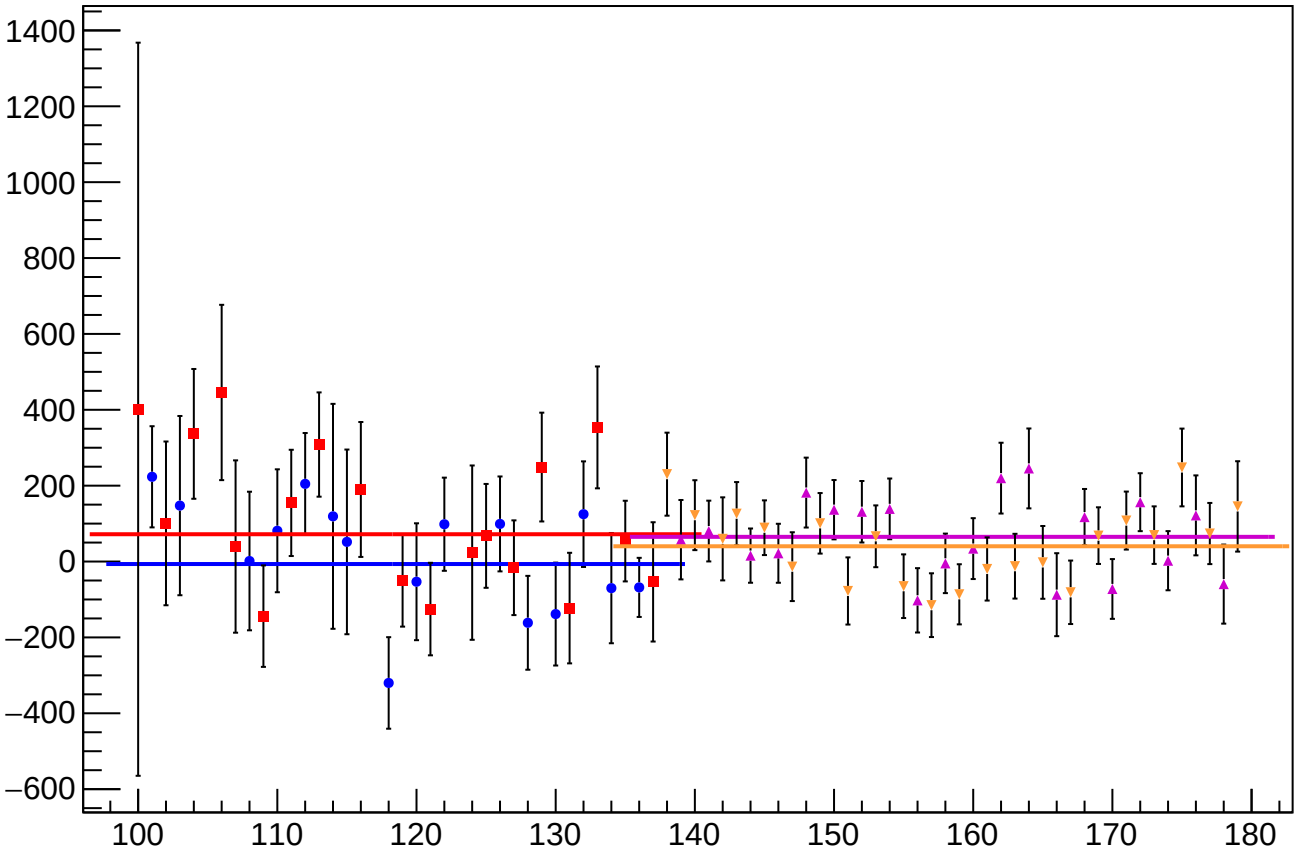
Left: 684.664+/-0.085 χ^2/NDF: 2476395.2/41

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 745.836+/-0.115 χ^2/NDF:4426762.5/35

Out: 755.031+/-0.113 χ^2/NDF:4707874.9/40

All: 750.505+/-0.080 χ^2/NDF: 9137905.0/76



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 40.246+/-18.264 χ^2/NDF:25.0/21

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 65.103+/-18.882 χ^2/NDF:24.6/19

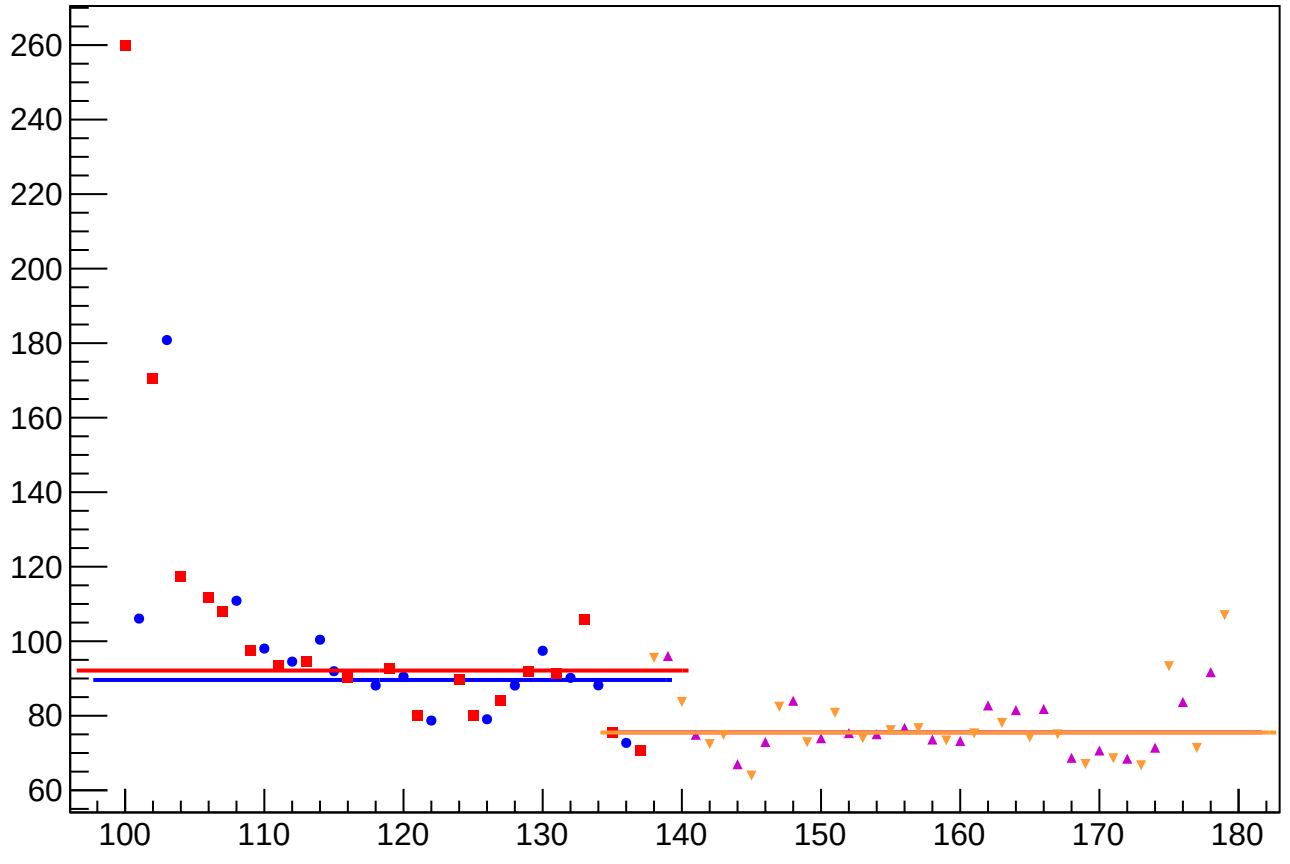
Left: 52.262+/-13.128 χ^2/NDF: 50.5/41

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 48.425+/-16.539 χ^2/NDF:46.9/35

Out: 47.074+/-16.181 χ^2/NDF:48.4/40

All: 47.734+/-11.566 χ^2/NDF: 95.3/76



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.493+/-0.013 χ^2/NDF:436356.2/21

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.550+/-0.013 χ^2/NDF:261043.0/19

Left: 75.521+/-0.009 χ^2/NDF: 697408.7/41

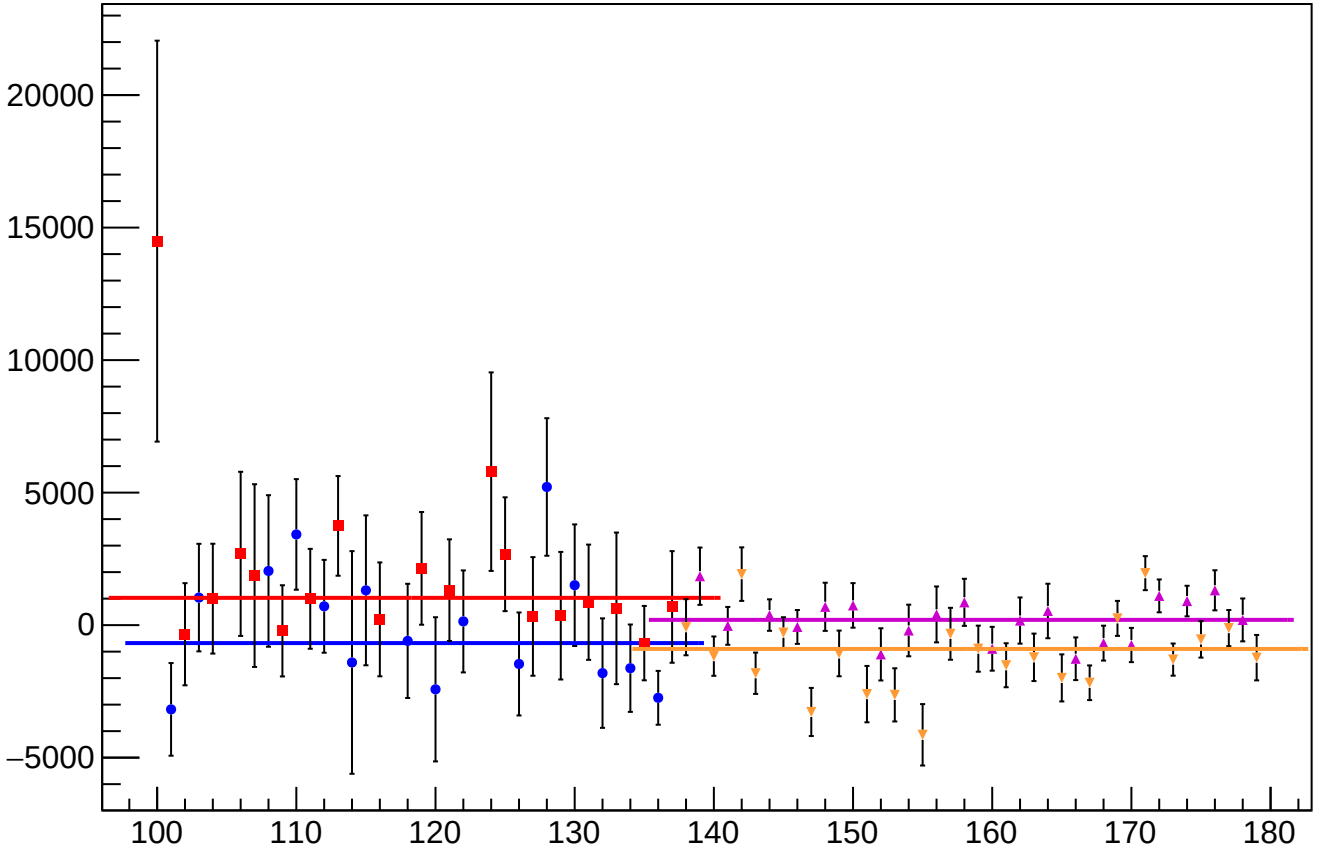
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.821+/-0.012 χ^2/NDF:1017245.5/35

Out: 79.072+/-0.011 χ^2/NDF:1333647.5/40

All: 78.949+/-0.008 χ^2/NDF: 2351129.7/76

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -898.115+/-168.533 χ^2/NDF:62.7/21

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 198.803+/-171.926 χ^2/NDF:20.8/19

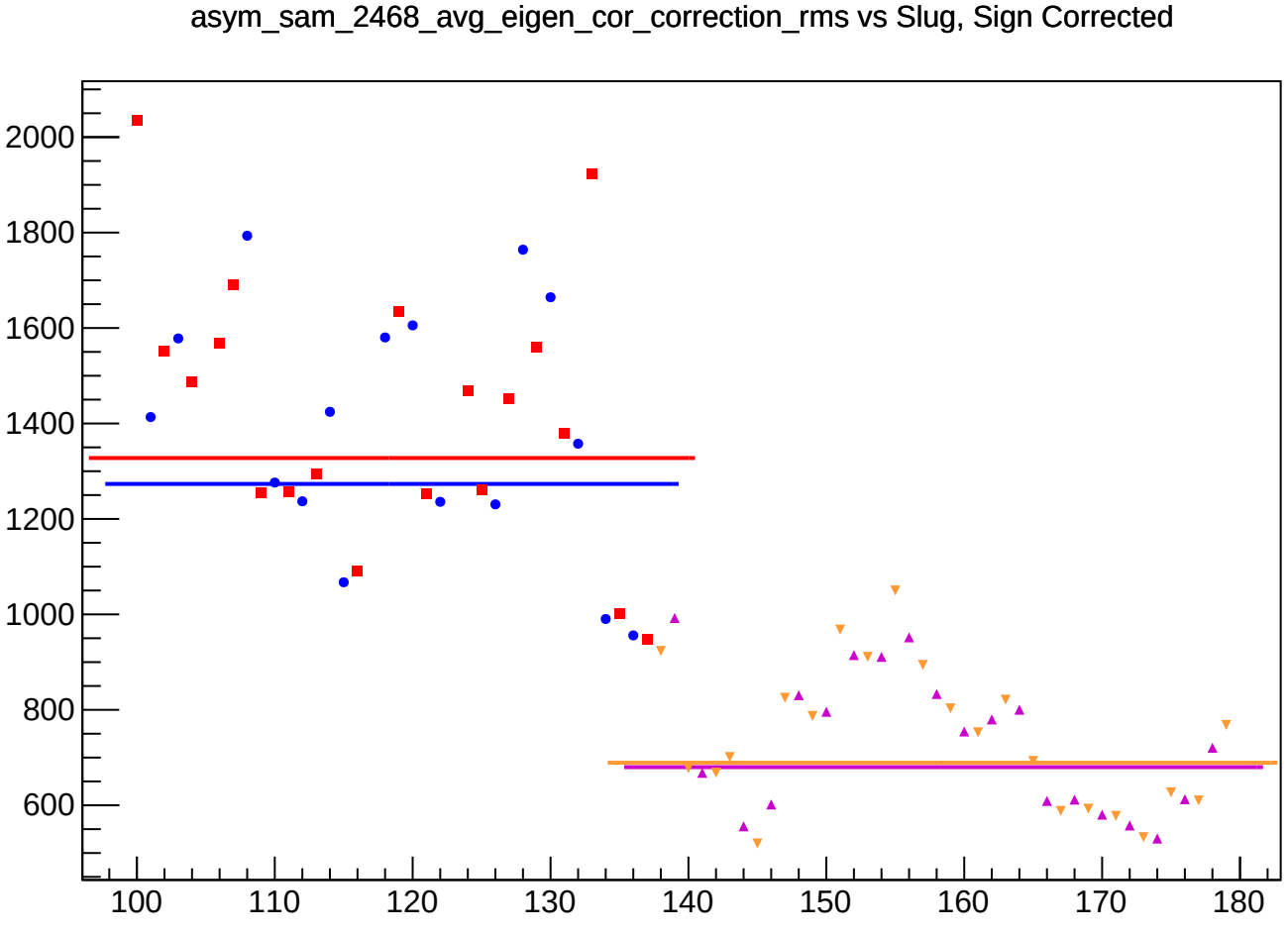
Left: -360.587+/-120.353 χ^2/NDF: 104.3/41

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 101.525+/-162.101 χ^2/NDF:44.0/35

Out: -699.343+/-159.607 χ^2/NDF:87.2/40

All: -305.118+/-113.731 χ^2/NDF: 143.6/76



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 689.190+/-0.119 χ^2/NDF:1289327.7/21

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 679.954+/-0.122 χ^2/NDF:1184124.4/19

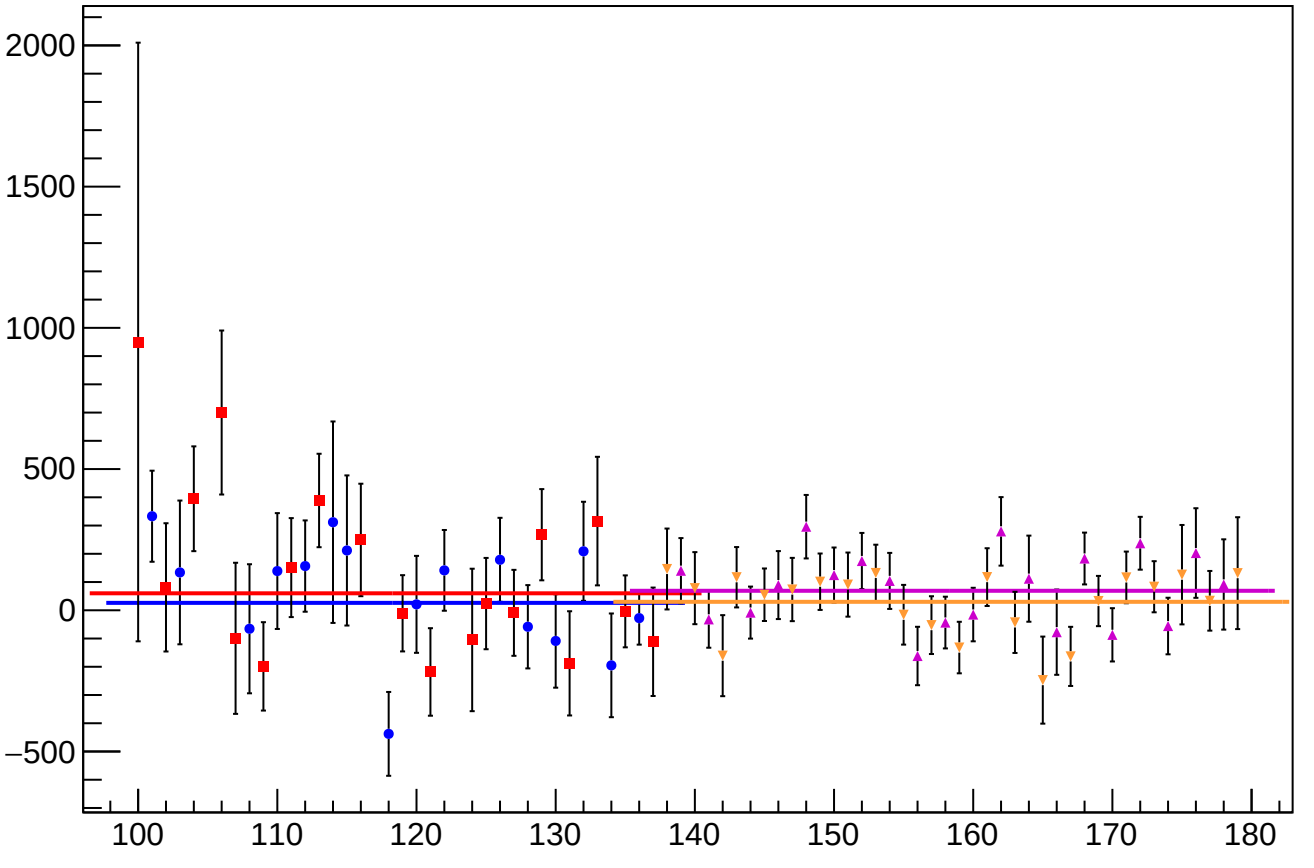
Left: 684.664+/-0.085 χ^2/NDF: 2476395.2/41

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 745.836+/-0.115 χ^2/NDF:4426762.5/35

Out: 755.031+/-0.113 χ^2/NDF:4707874.9/40

All: 750.505+/-0.080 χ^2/NDF: 9137905.0/76



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 69.017+/-23.897 χ^2/NDF:28.9/19

Left: 48.934+/-16.655 χ^2/NDF: 49.2/41

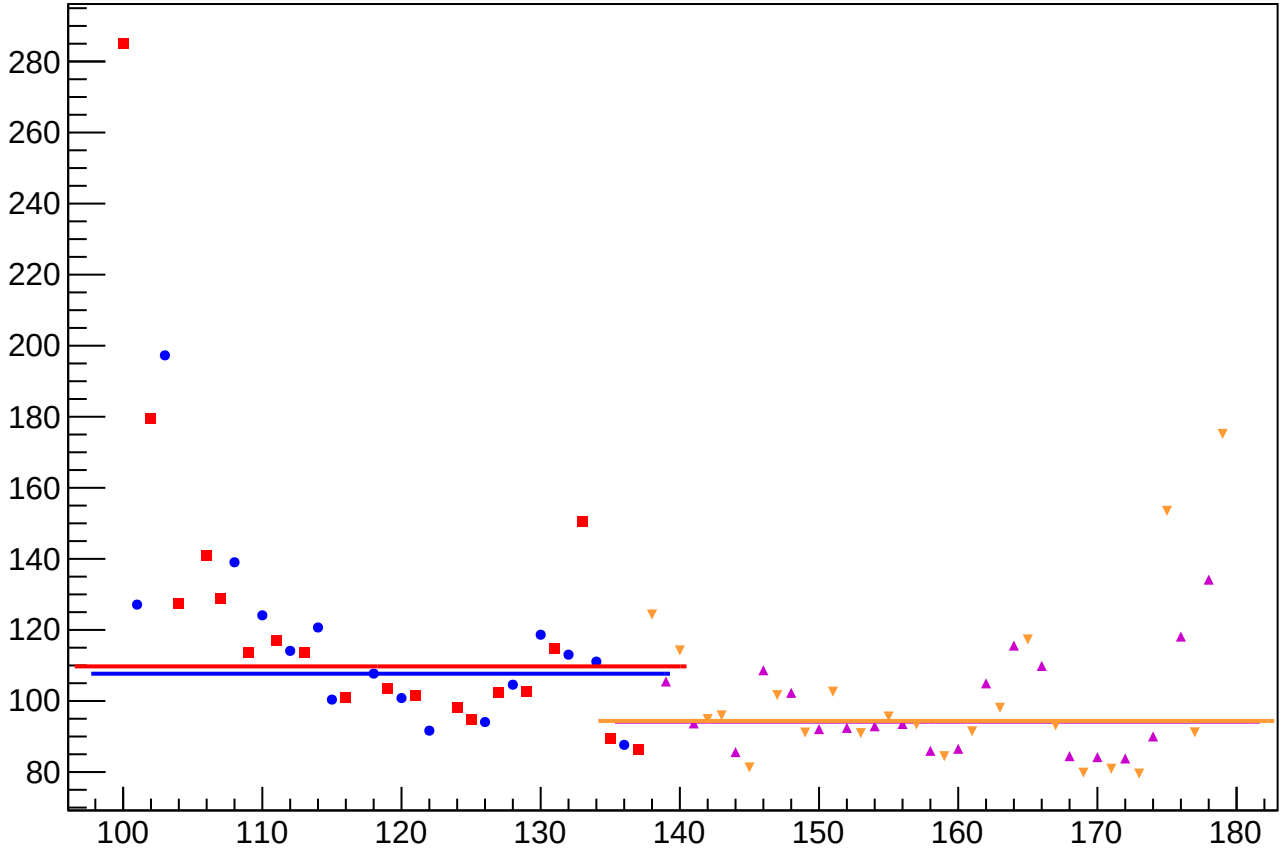
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 58.259+/-20.674 χ^2/NDF:51.1/35

Out: 37.149+/-20.270 χ^2/NDF:46.3/40

All: 47.496+/-14.474 χ^2/NDF: 97.9/76

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.388+/-0.016 χ^2/NDF:982787.9/21

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.182+/-0.017 χ^2/NDF:427047.3/19

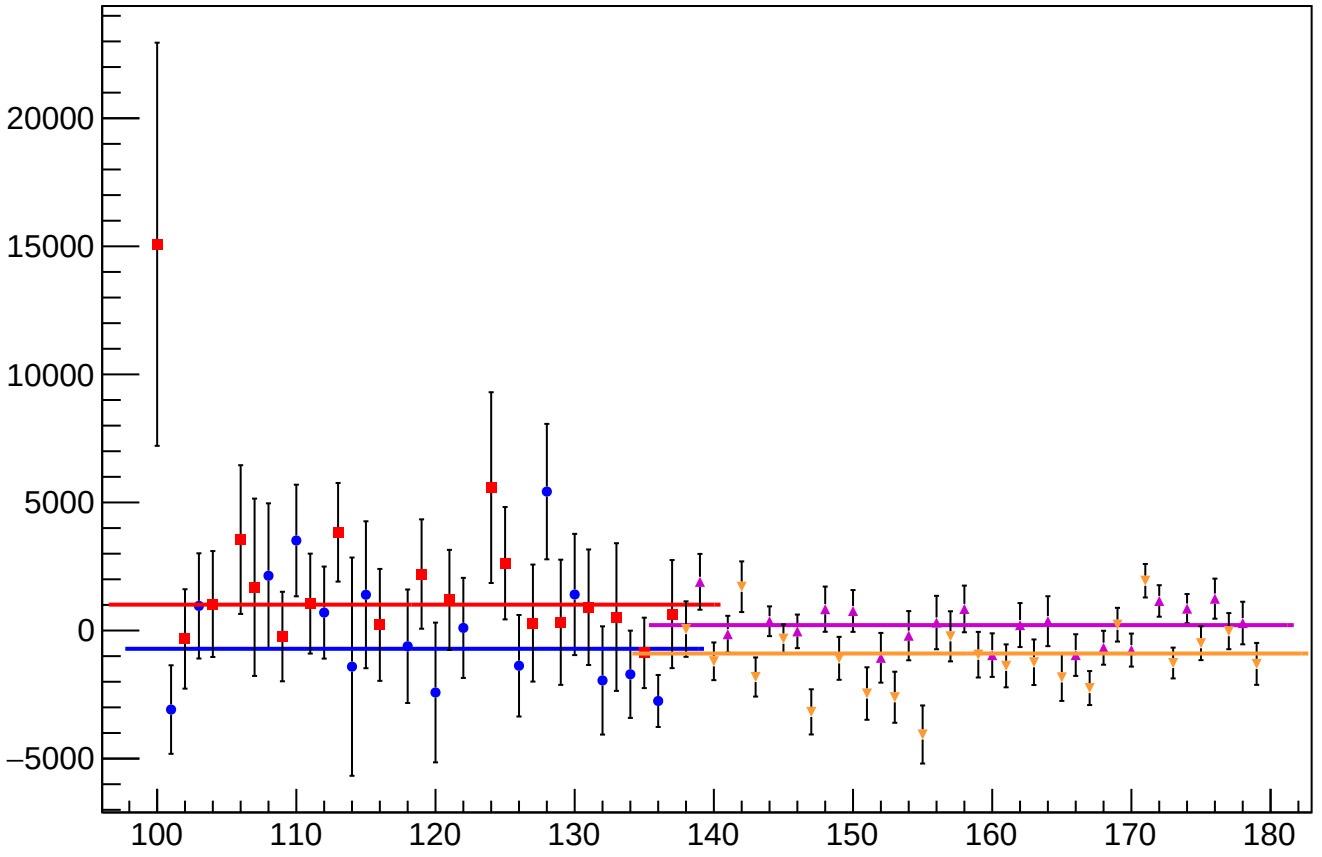
Left: 94.288+/-0.012 χ^2/NDF: 1409911.5/41

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 97.578+/-0.015 χ^2/NDF:1070678.3/35

Out: 98.045+/-0.014 χ^2/NDF:1682760.1/40

All: 97.816+/-0.010 χ^2/NDF: 2753960.5/76



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -897.492+/-167.225 χ^2/NDF:60.6/21

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 211.380+/-171.700 χ^2/NDF:19.7/19

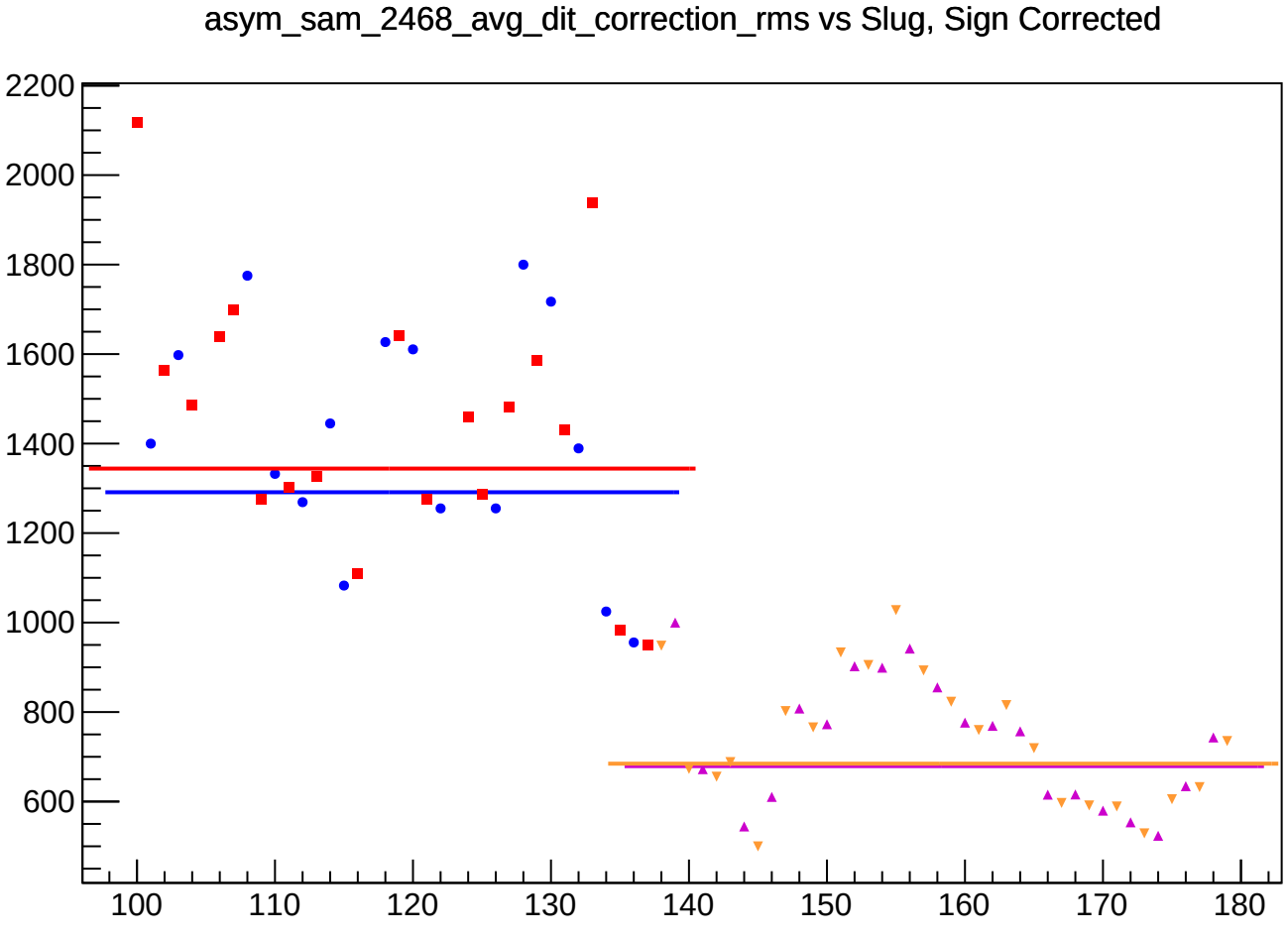
Left: -357.694+/-119.797 χ^2/NDF: 101.7/41

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 111.489+/-162.156 χ^2/NDF:42.9/35

Out: -706.481+/-158.634 χ^2/NDF:85.4/40

All: -306.476+/-113.396 χ^2/NDF: 141.3/76



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 684.637+/-0.118 χ^2/NDF:1295586.2/21

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 679.128+/-0.121 χ^2/NDF:1174622.0/19

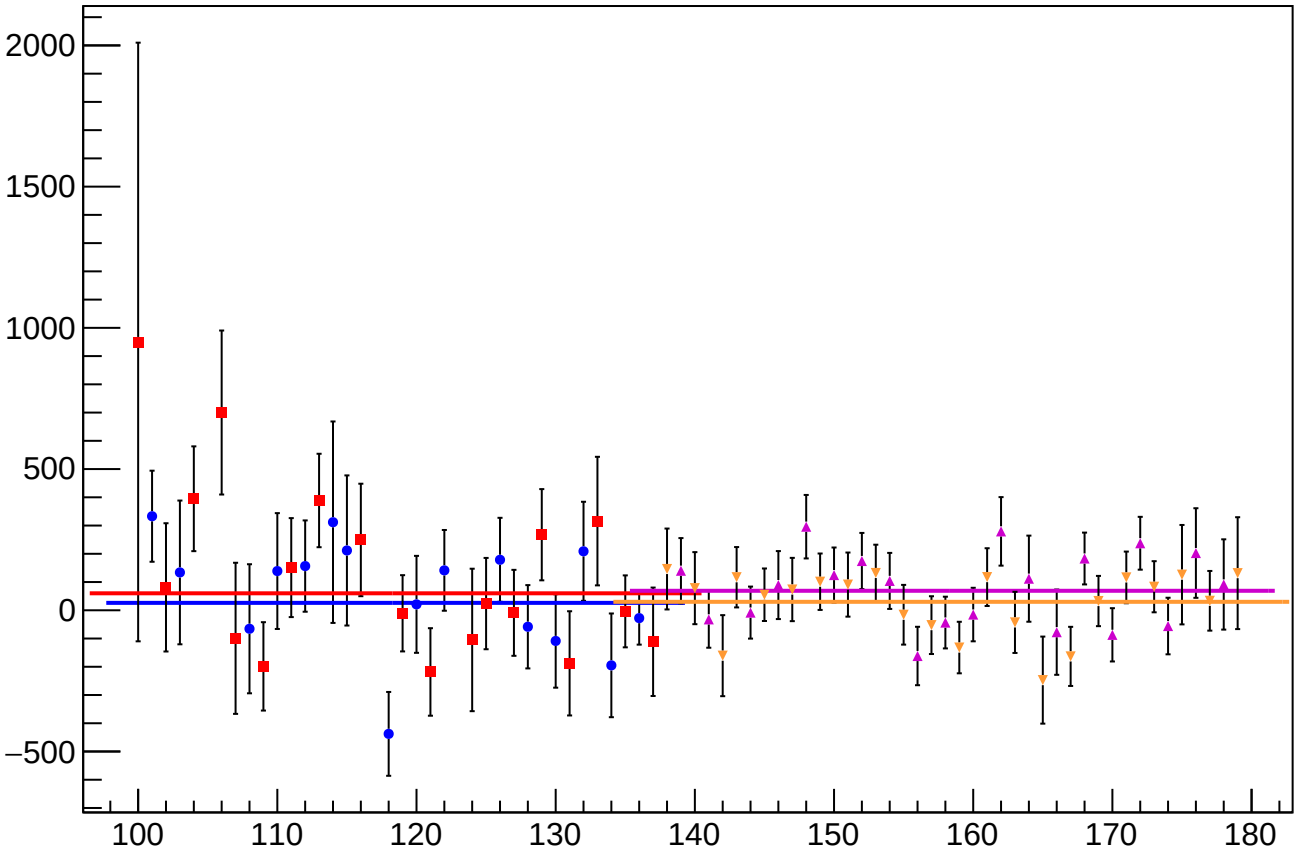
Left: 681.955+/-0.085 χ^2/NDF: 2471264.5/41

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 745.281+/-0.115 χ^2/NDF:4532502.5/35

Out: 750.656+/-0.112 χ^2/NDF:4900432.1/40

All: 748.027+/-0.080 χ^2/NDF: 9434057.5/76



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 29.965+/-23.225 χ^2/NDF:18.9/21

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 69.016+/-23.898 χ^2/NDF:28.9/19

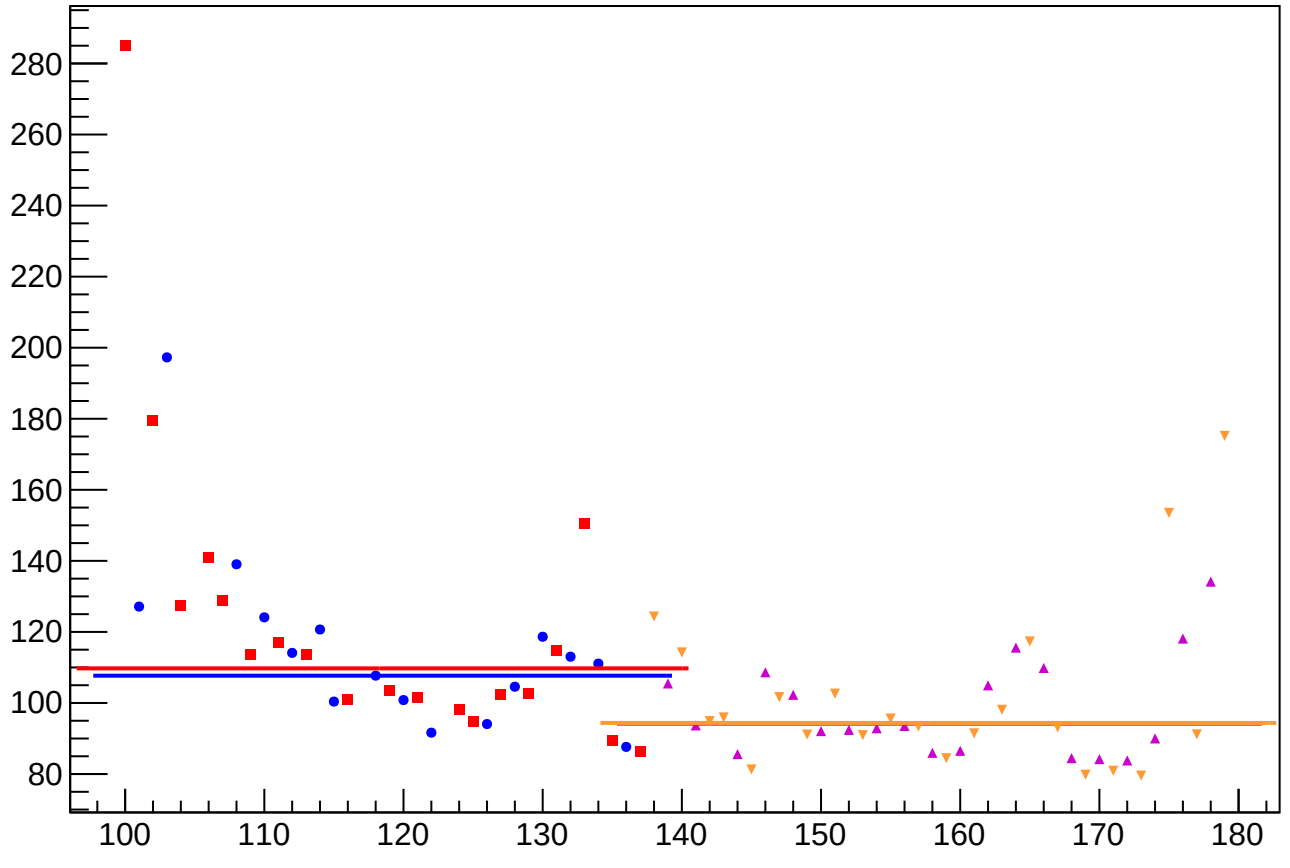
Left: 48.933+/-16.655 χ^2/NDF: 49.2/41

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 58.258+/-20.674 χ^2/NDF:51.1/35

Out: 37.149+/-20.270 χ^2/NDF:46.3/40

All: 47.495+/-14.474 χ^2/NDF: 97.9/76



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.388+/-0.016 χ^2/NDF:982793.1/21

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.182+/-0.017 χ^2/NDF:427045.2/19

Left: 94.288+/-0.012 χ^2/NDF: 1409914.7/41

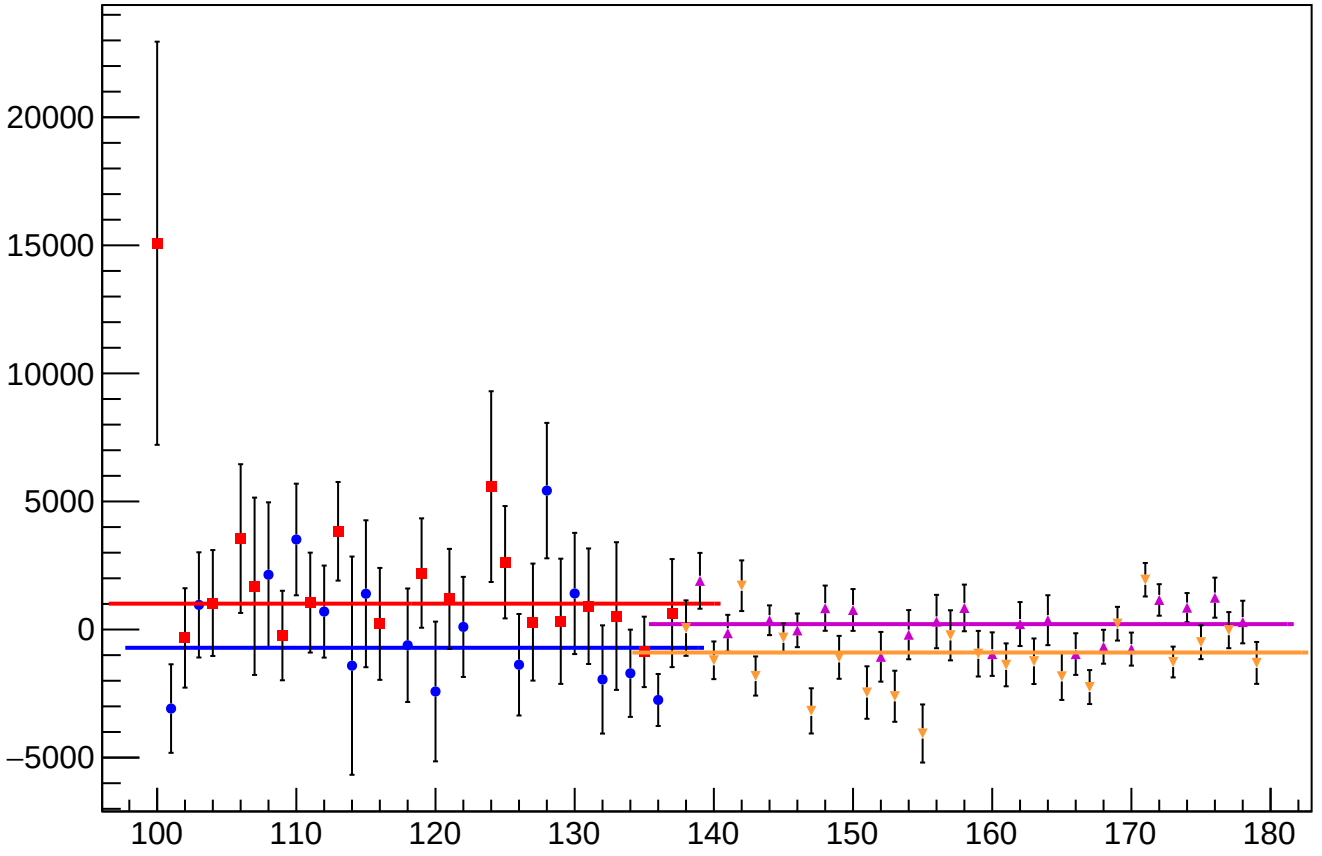
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 97.578+/-0.015 χ^2/NDF:1070639.5/35

Out: 98.046+/-0.014 χ^2/NDF:1682739.1/40

All: 97.816+/-0.010 χ^2/NDF: 2753900.8/76

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -897.490+/-167.224 χ^2/NDF:60.6/21

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 211.379+/-171.699 χ^2/NDF:19.7/19

Left: -357.694+/-119.796 χ^2/NDF: 101.7/41

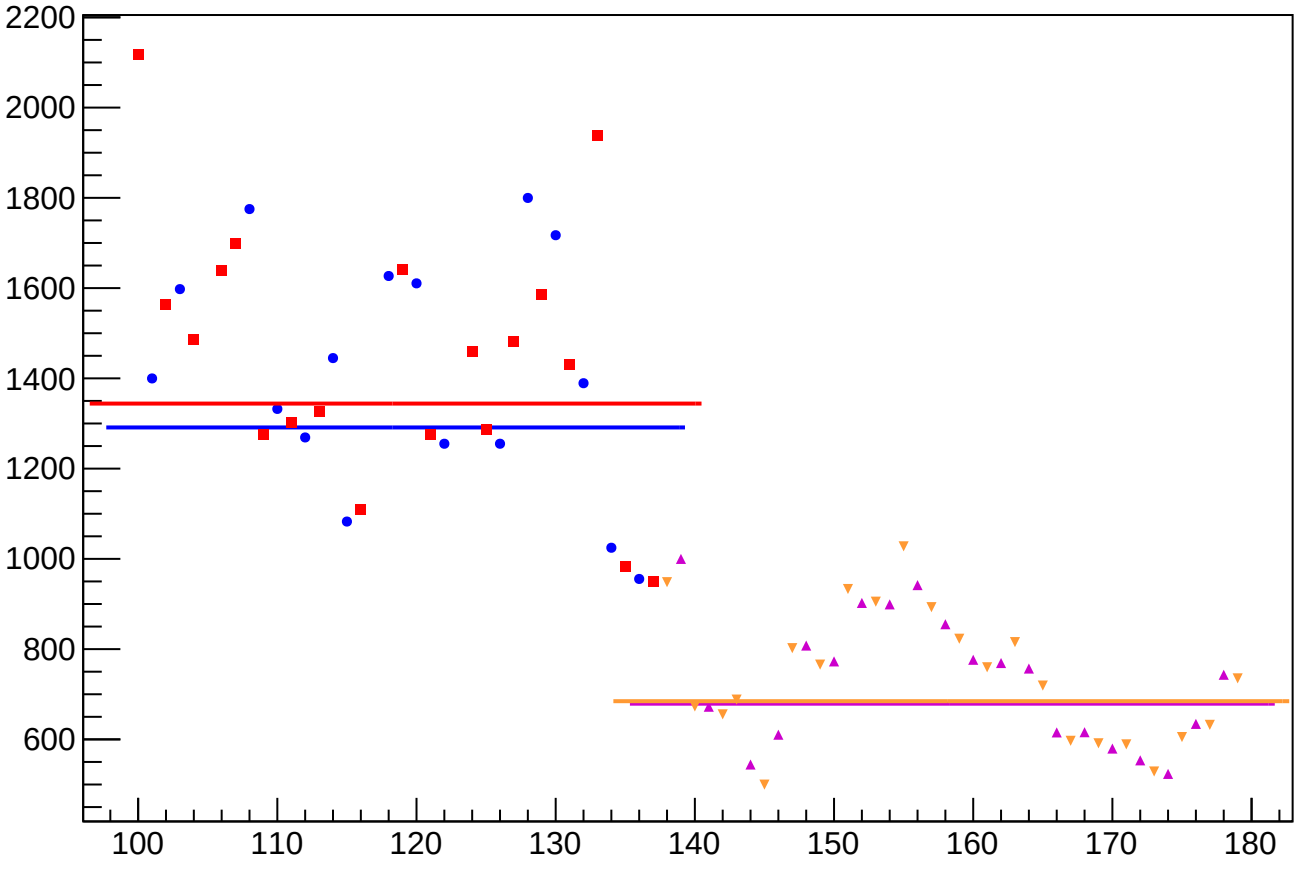
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 111.488+/-162.156 χ^2/NDF:42.9/35

Out: -706.479+/-158.634 χ^2/NDF:85.4/40

All: -306.476+/-113.396 χ^2/NDF: 141.3/76

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 684.635+/-0.118 χ^2/NDF:1295592.2/21

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 679.127+/-0.121 χ^2/NDF:1174624.8/19

Left: 681.954+/-0.085 χ^2/NDF: 2471273.3/41

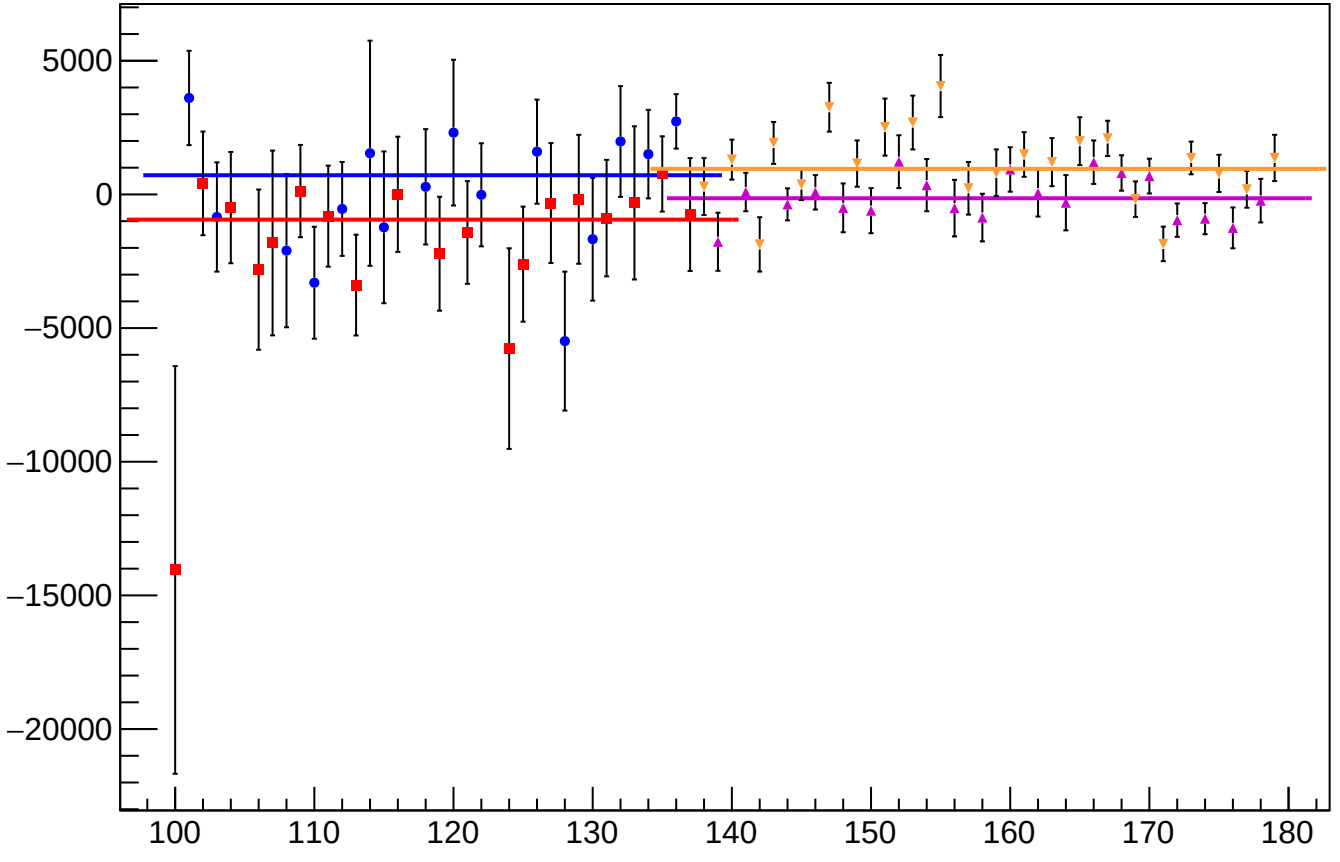
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 745.279+/-0.115 χ^2/NDF:4532503.1/35

Out: 750.654+/-0.112 χ^2/NDF:4900437.2/40

All: 748.026+/-0.080 χ^2/NDF: 9434063.1/76

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 957.219+/-169.666 χ^2/NDF:58.6/21

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -143.436+/-173.115 χ^2/NDF:19.7/19

Left: 417.963+/-121.173 χ^2/NDF: 99.0/41

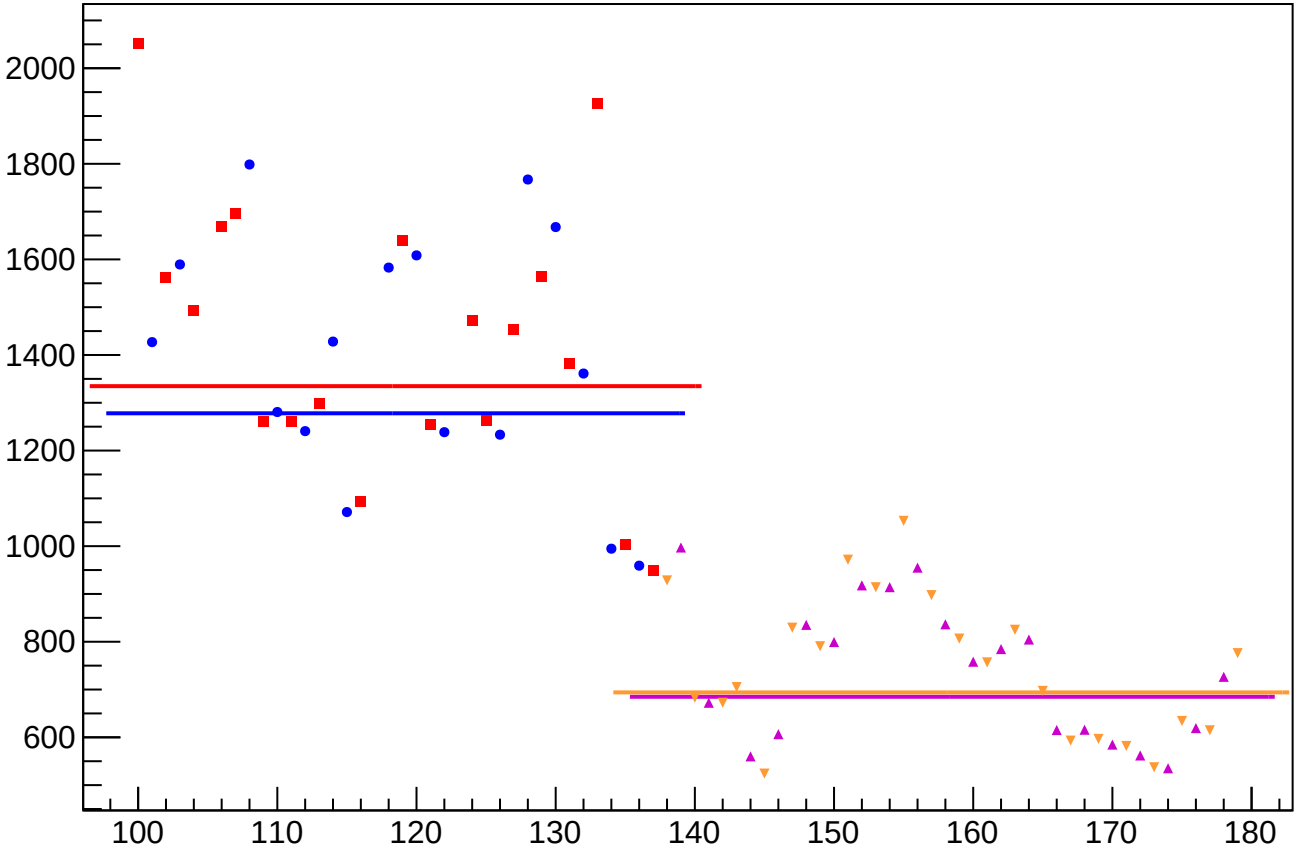
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -47.274+/-163.162 χ^2/NDF:43.5/35

Out: 759.702+/-160.603 χ^2/NDF:82.3/40

All: 362.592+/-114.457 χ^2/NDF: 138.2/76

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 694.028+/-0.120 χ^2/NDF:1270496.6/21

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 684.875+/-0.122 χ^2/NDF:1164144.0/19

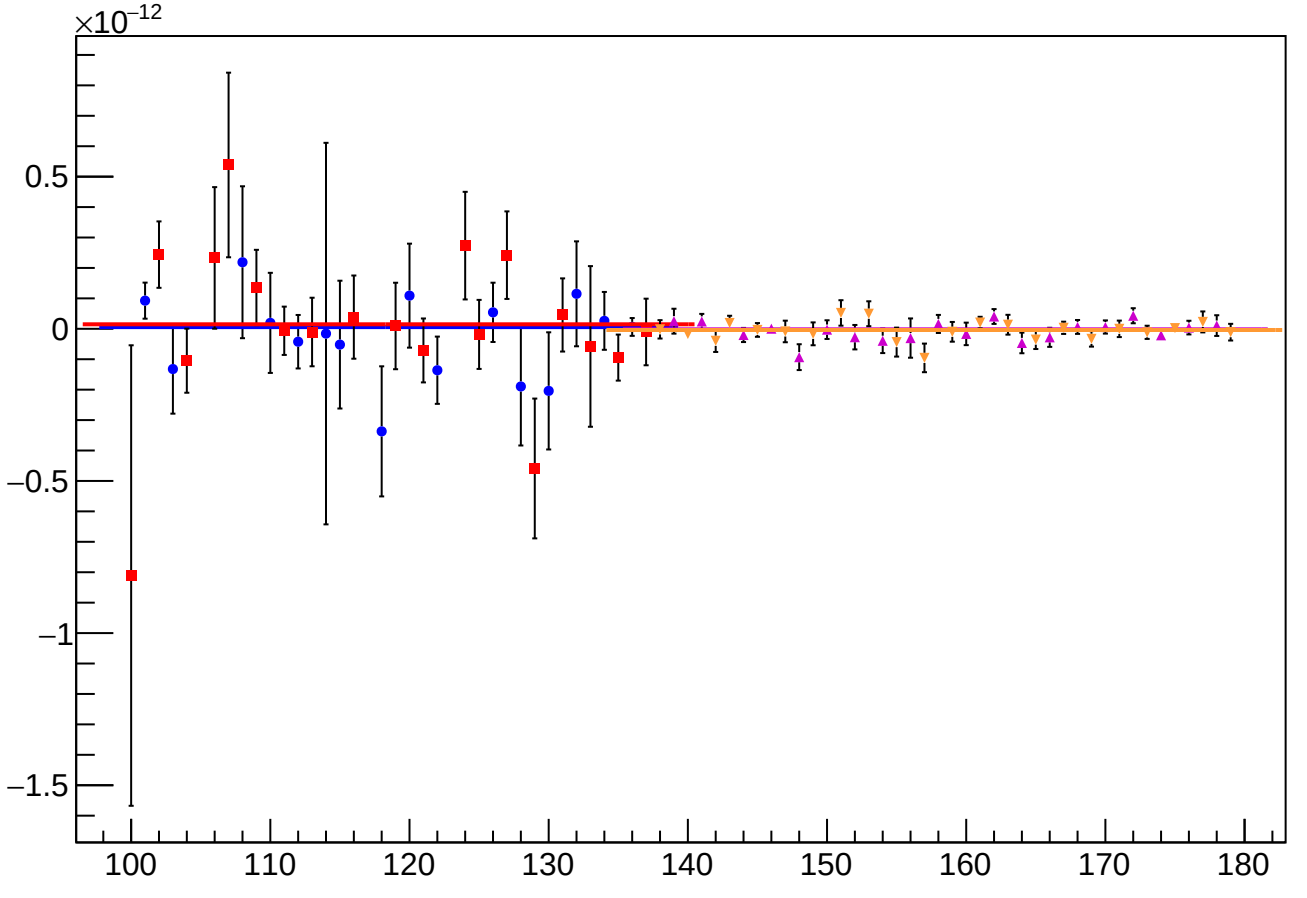
Left: 689.544+/-0.086 χ^2/NDF: 2437492.7/41

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 751.112+/-0.115 χ^2/NDF:4383597.0/35

Out: 760.654+/-0.114 χ^2/NDF:4708391.4/40

All: 755.959+/-0.081 χ^2/NDF: 9095462.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.4/19

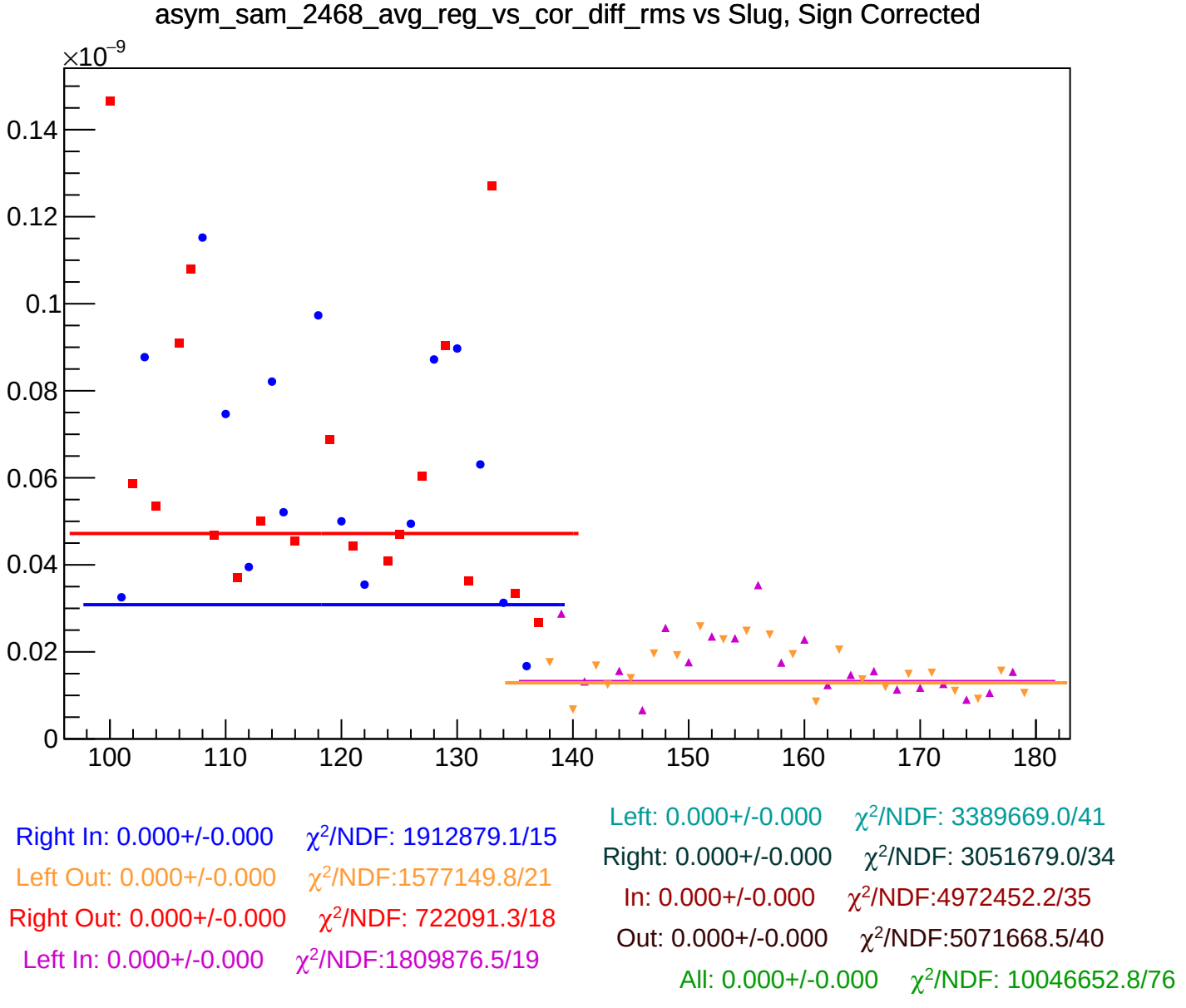
Left: -0.000+/-0.000 χ^2/NDF: 35.7/41

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

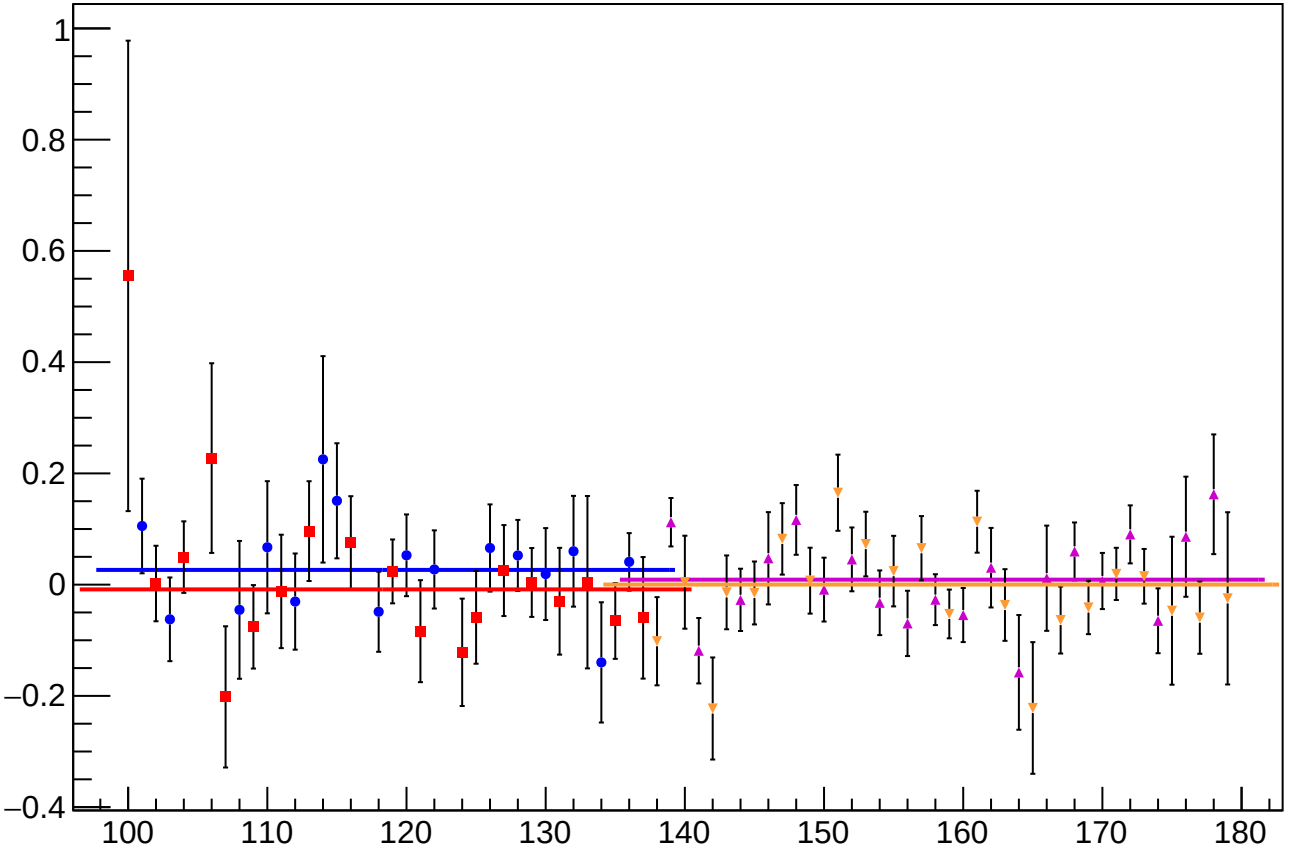
In: -0.000+/-0.000 χ^2/NDF:31.2/35

Out: -0.000+/-0.000 χ^2/NDF:40.3/40

All: -0.000+/-0.000 χ^2/NDF: 71.6/76


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1577149.8/21
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1809876.5/19
Left: 0.000+/-0.000 χ²/NDF: 3389669.0/41
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4972452.2/35
Out: 0.000+/-0.000 χ²/NDF:5071668.5/40
All: 0.000+/-0.000 χ²/NDF: 10046652.8/76

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.013 χ^2/NDF:29.3/19

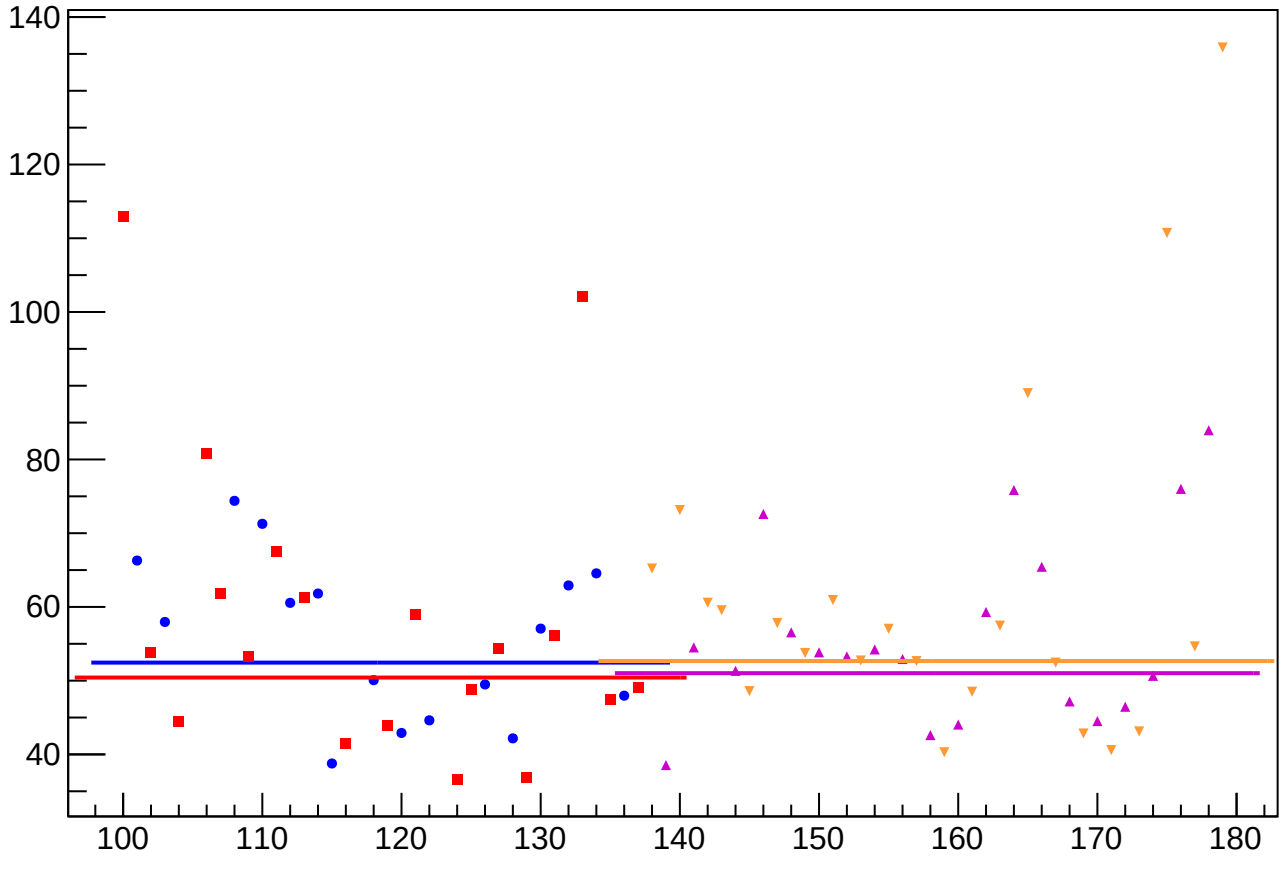
Left: 0.005+/-0.009 χ^2/NDF: 60.2/41

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 85.6/76



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.661+/-0.009 χ^2/NDF:1892196.7/21

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

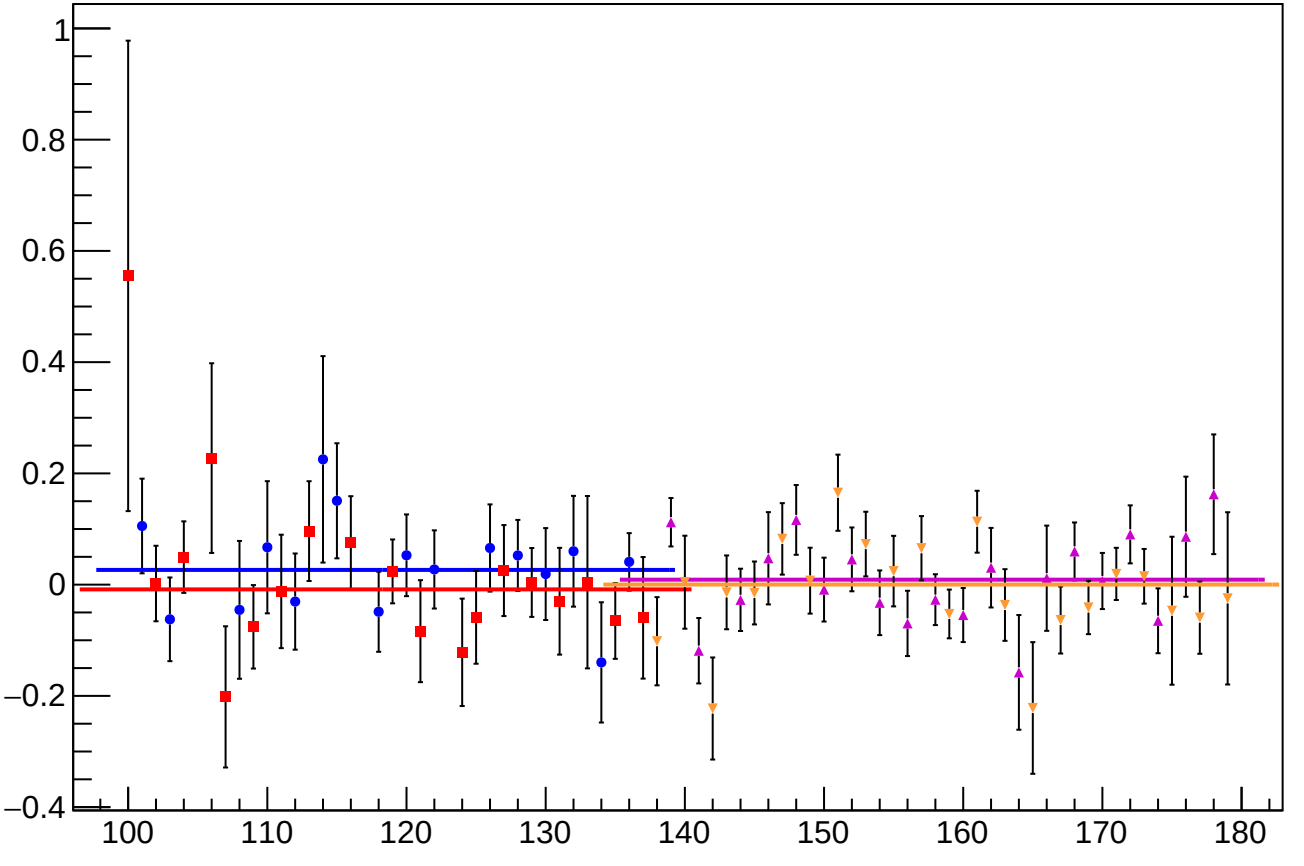
Left: 51.839+/-0.007 χ^2/NDF: 2897538.5/41

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.446+/-0.008 χ^2/NDF:1415086.9/35

Out: 51.946+/-0.008 χ^2/NDF:2586919.3/40

All: 51.700+/-0.006 χ^2/NDF: 4004039.7/76



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.013 χ^2/NDF:29.3/19

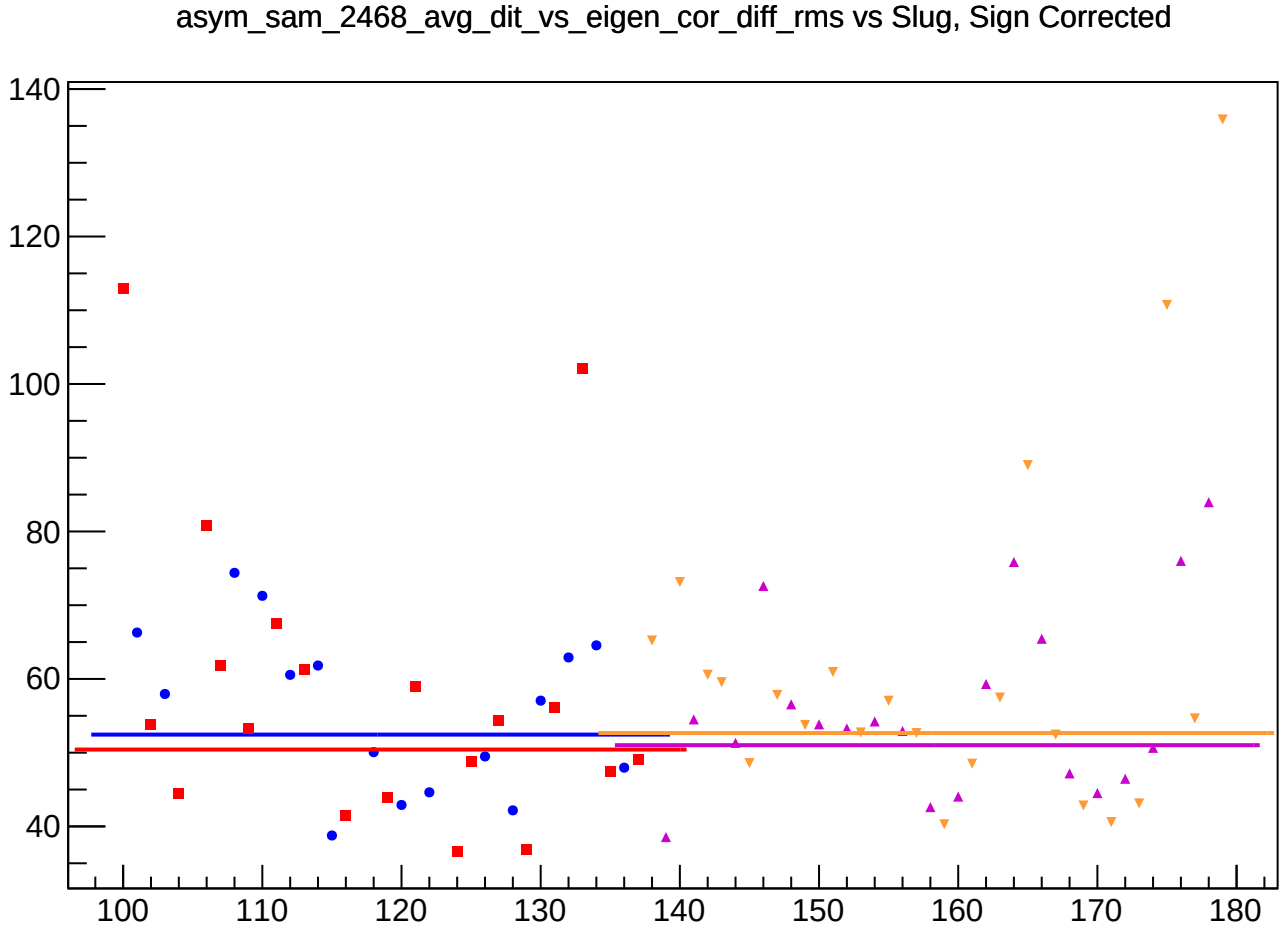
Left: 0.005+/-0.009 χ^2/NDF: 60.2/41

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 85.6/76



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.661+/-0.009 χ^2/NDF:1892196.7/21

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

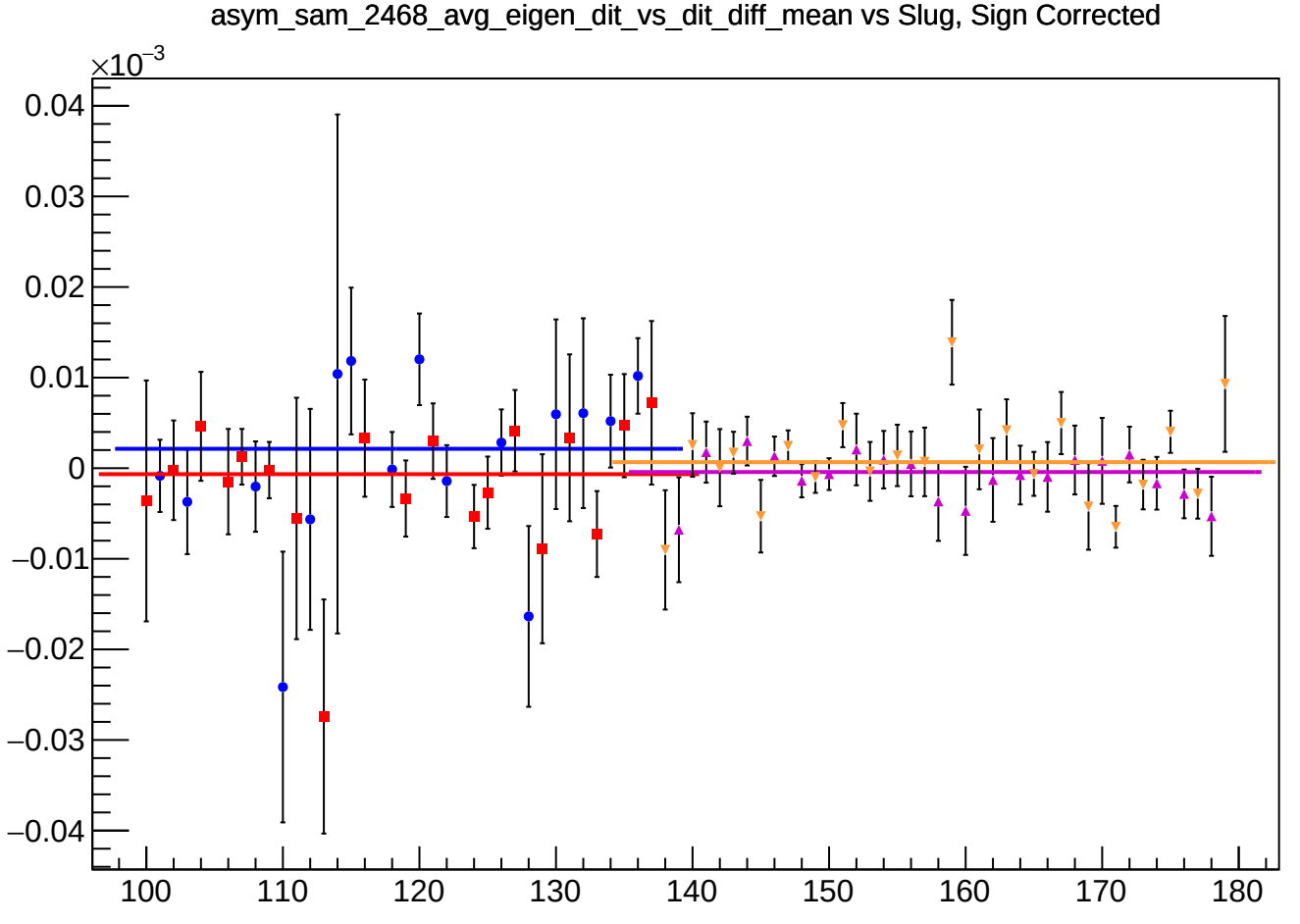
Left: 51.839+/-0.007 χ^2/NDF: 2897538.5/41

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.446+/-0.008 χ^2/NDF:1415086.9/35

Out: 51.946+/-0.008 χ^2/NDF:2586919.3/40

All: 51.700+/-0.006 χ^2/NDF: 4004039.7/76



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.4/21

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/19

Left: 0.000+/-0.000 χ^2/NDF: 47.8/41

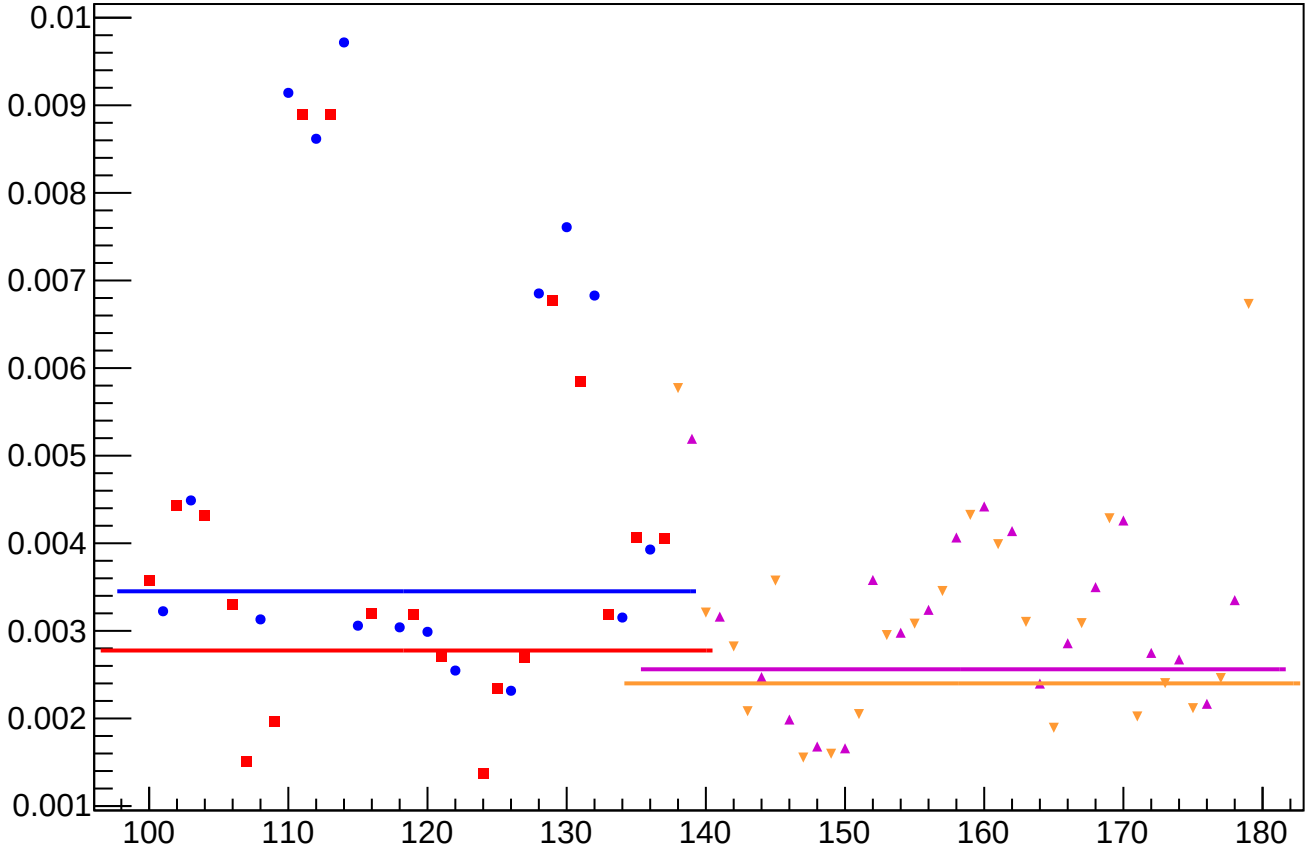
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:31.9/35

Out: 0.000+/-0.000 χ^2/NDF:53.2/40

All: 0.000+/-0.000 χ^2/NDF: 85.2/76

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4023615.1/21

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3126924.1/19

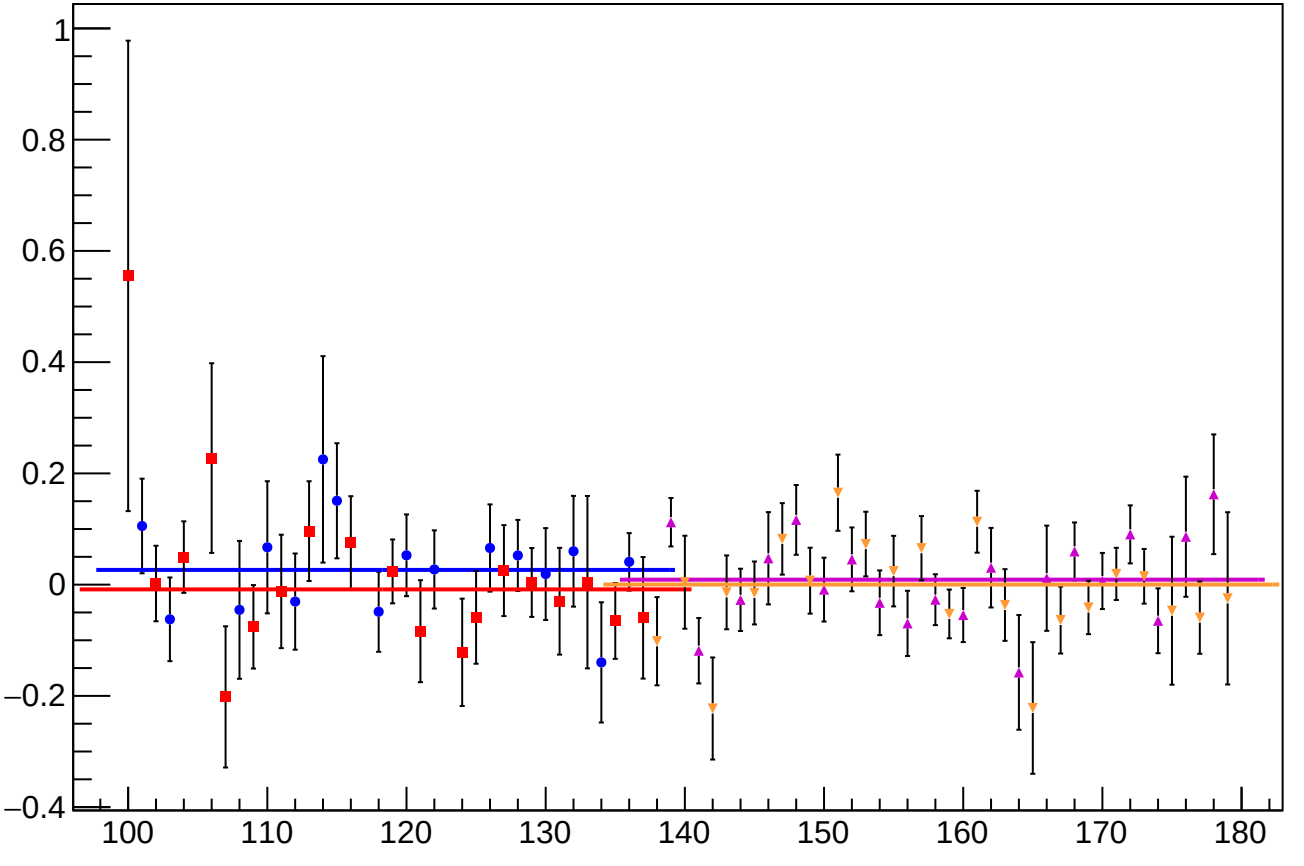
Left: 0.002+/-0.000 χ^2/NDF: 7212064.9/41

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5743464.5/35

Out: 0.002+/-0.000 χ^2/NDF:6924481.0/40

All: 0.003+/-0.000 χ^2/NDF: 12855019.4/76



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.013 χ^2/NDF:29.3/19

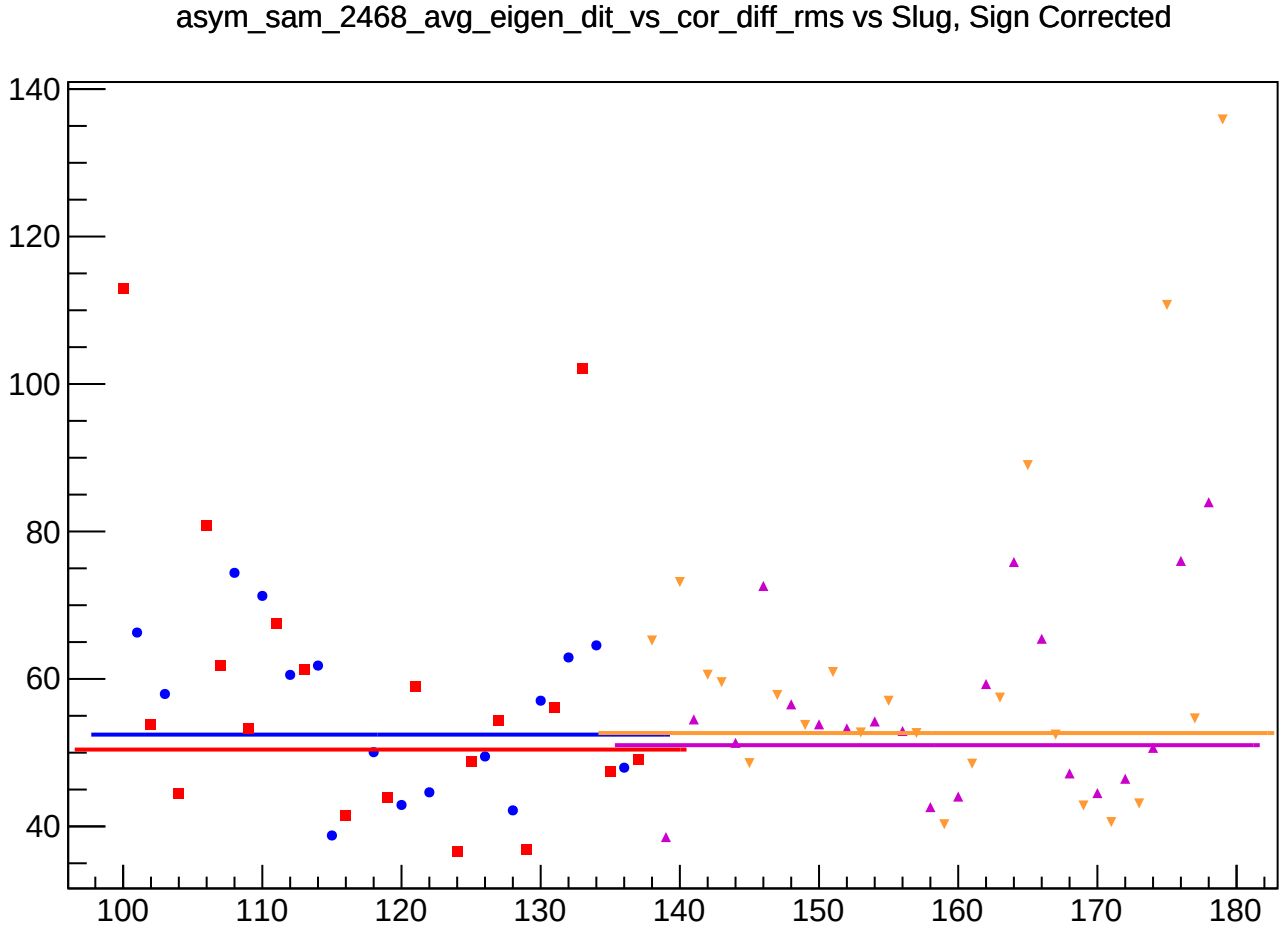
Left: 0.005+/-0.009 χ^2/NDF: 60.2/41

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 85.6/76



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.662+/-0.009 χ^2/NDF:1892228.4/21

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

Left: 51.839+/-0.007 χ^2/NDF: 2897635.3/41

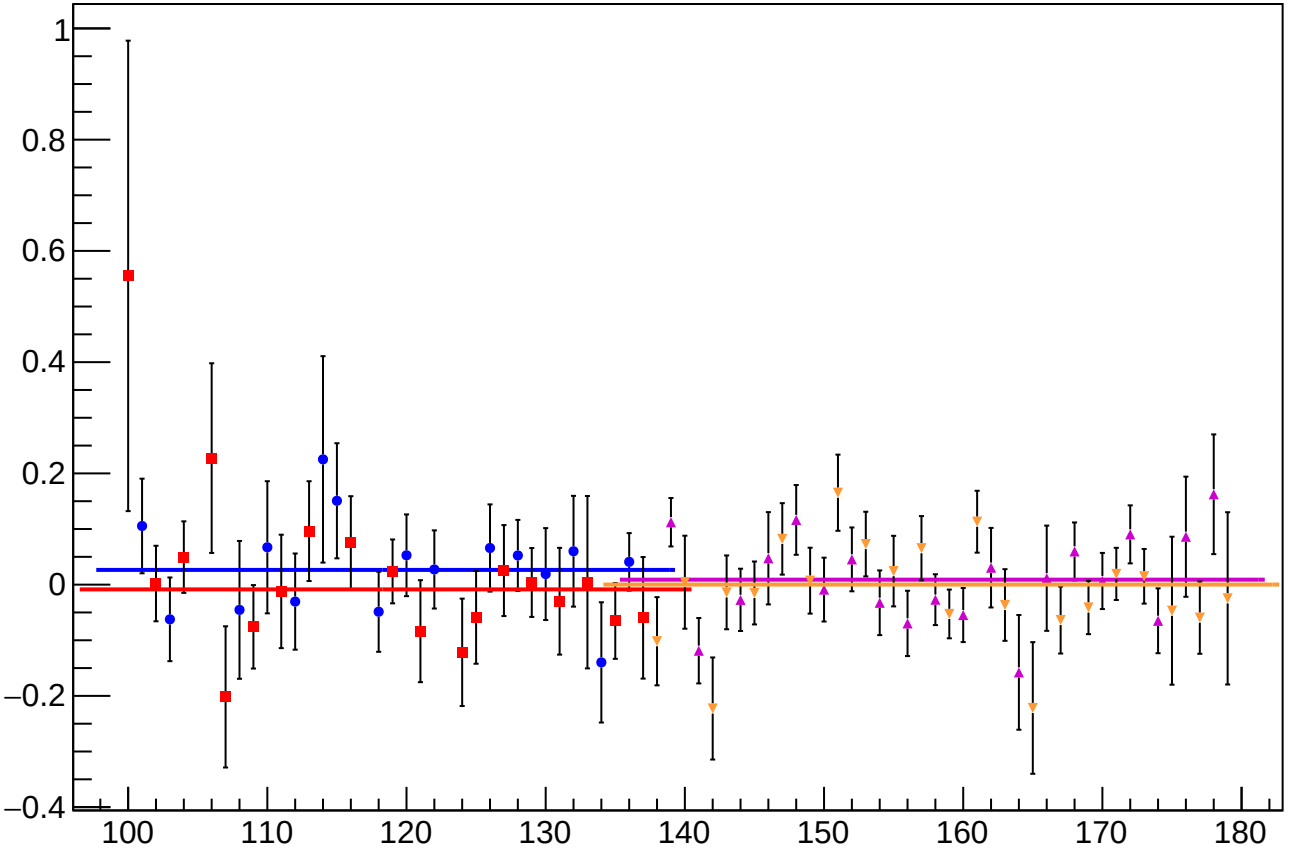
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.446+/-0.008 χ^2/NDF:1415090.6/35

Out: 51.946+/-0.008 χ^2/NDF:2586980.9/40

All: 51.700+/-0.006 χ^2/NDF: 4004104.8/76

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.013 χ^2/NDF:30.7/21

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.013 χ^2/NDF:29.3/19

Left: 0.005+/-0.009 χ^2/NDF: 60.2/41

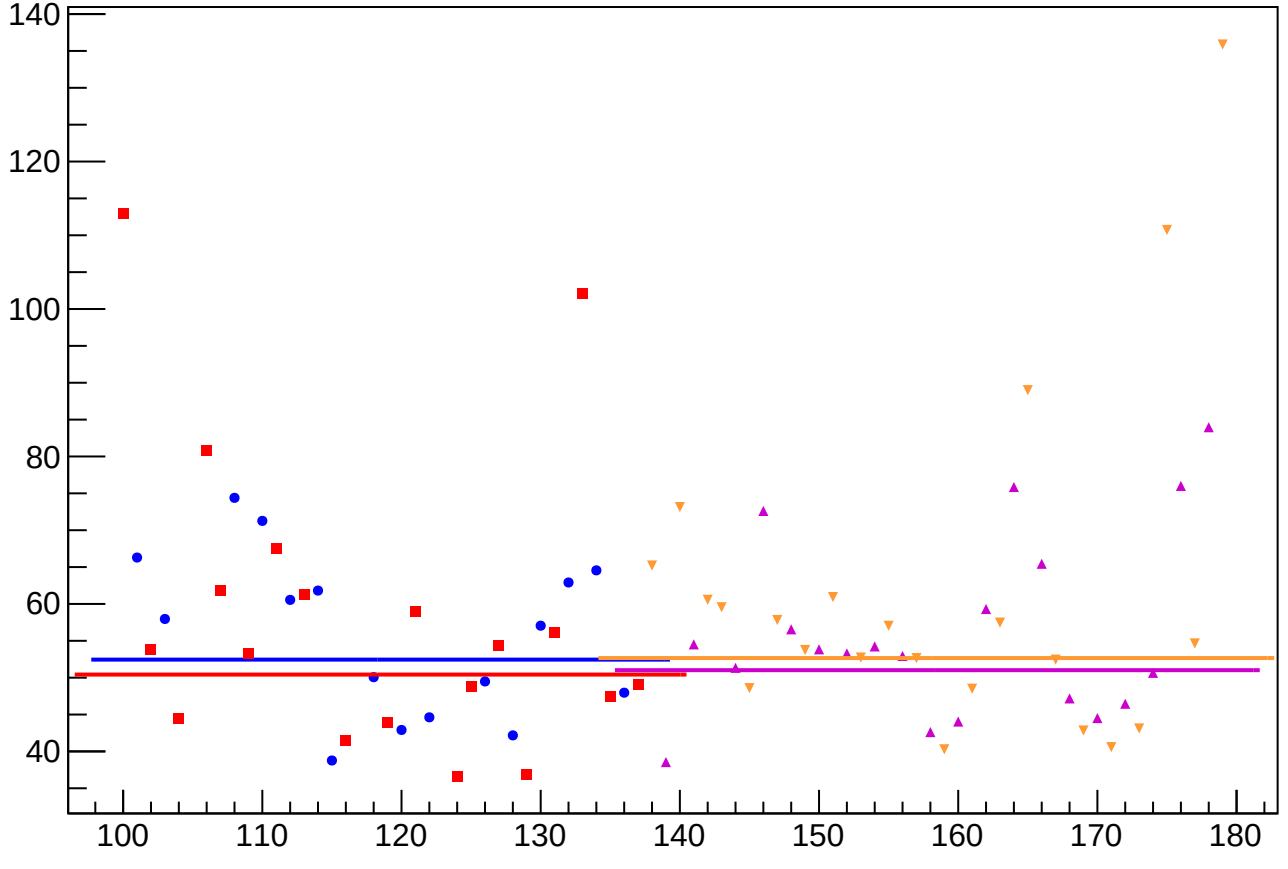
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.003+/-0.011 χ^2/NDF:44.7/40

All: 0.006+/-0.008 χ^2/NDF: 85.6/76

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.662+/-0.009 χ^2/NDF:1892228.4/21

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

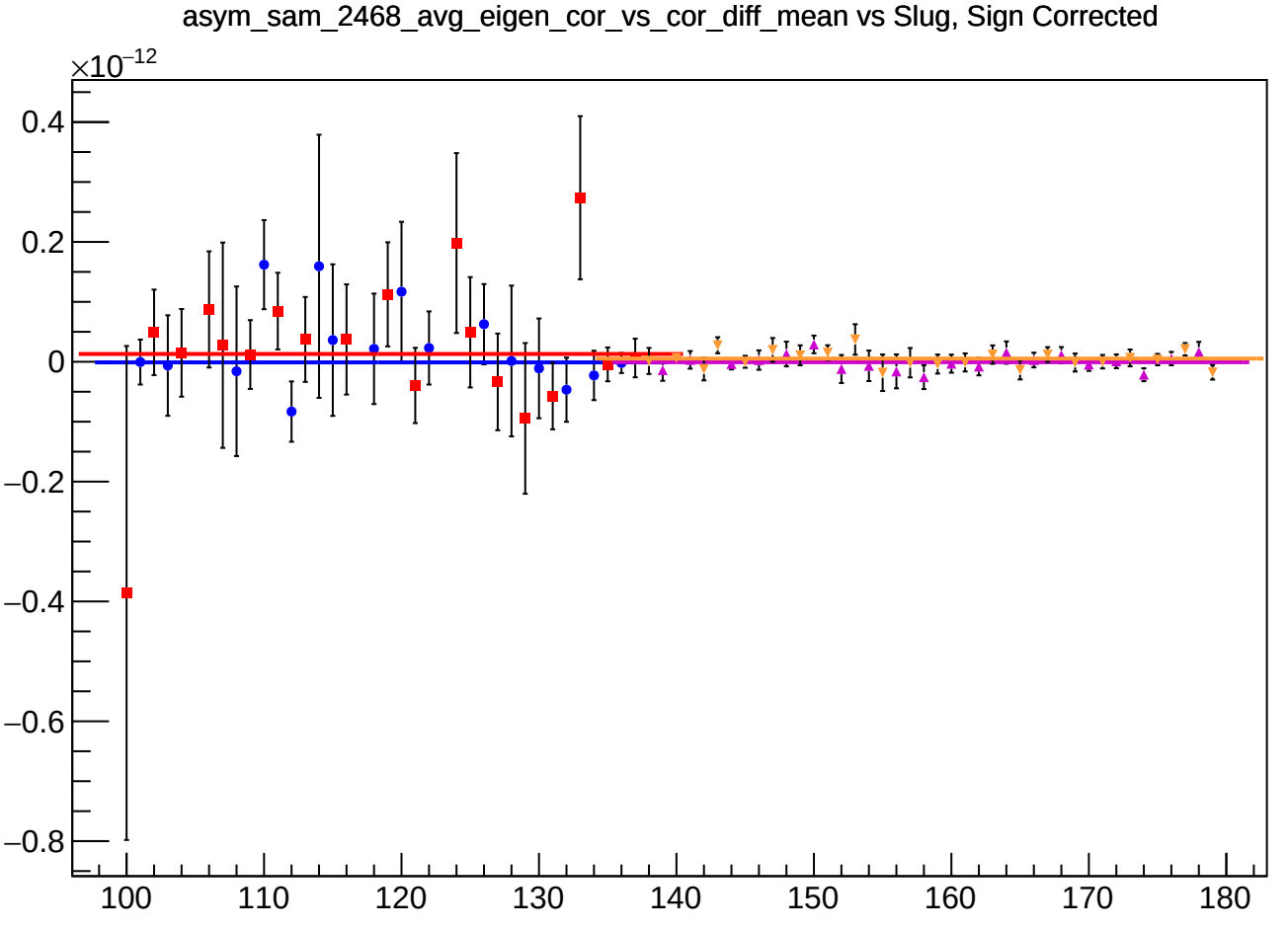
Left: 51.839+/-0.007 χ^2/NDF: 2897635.3/41

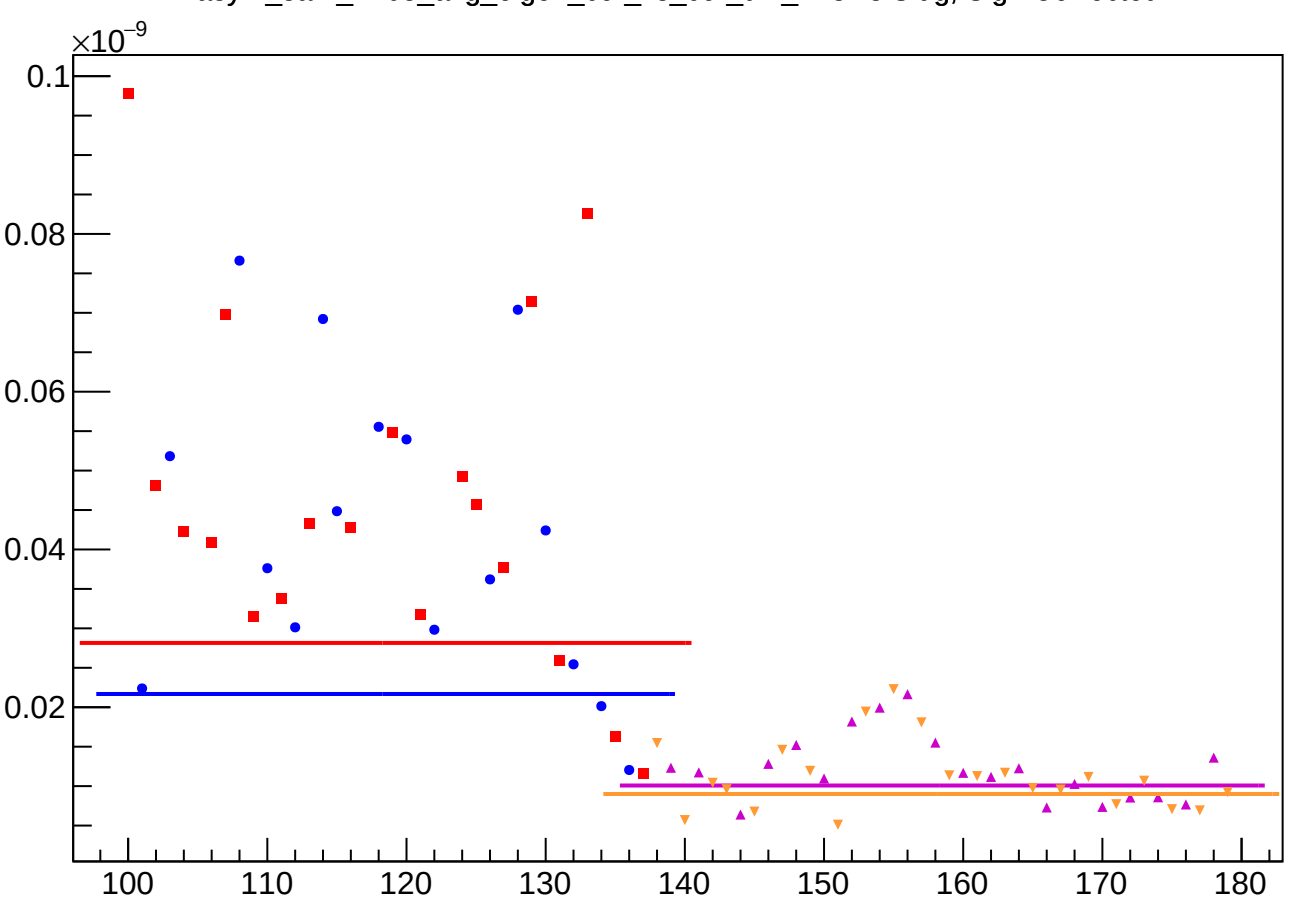
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.446+/-0.008 χ^2/NDF:1415090.6/35

Out: 51.946+/-0.008 χ^2/NDF:2586980.9/40

All: 51.700+/-0.006 χ^2/NDF: 4004104.8/76


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:16.1/21
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:14.4/19
Left: 0.000+/-0.000 χ²/NDF: 32.5/41
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:25.7/35
Out: 0.000+/-0.000 χ²/NDF:30.0/40
All: 0.000+/-0.000 χ²/NDF: 58.0/76



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2446047.3/21

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2149324.4/19

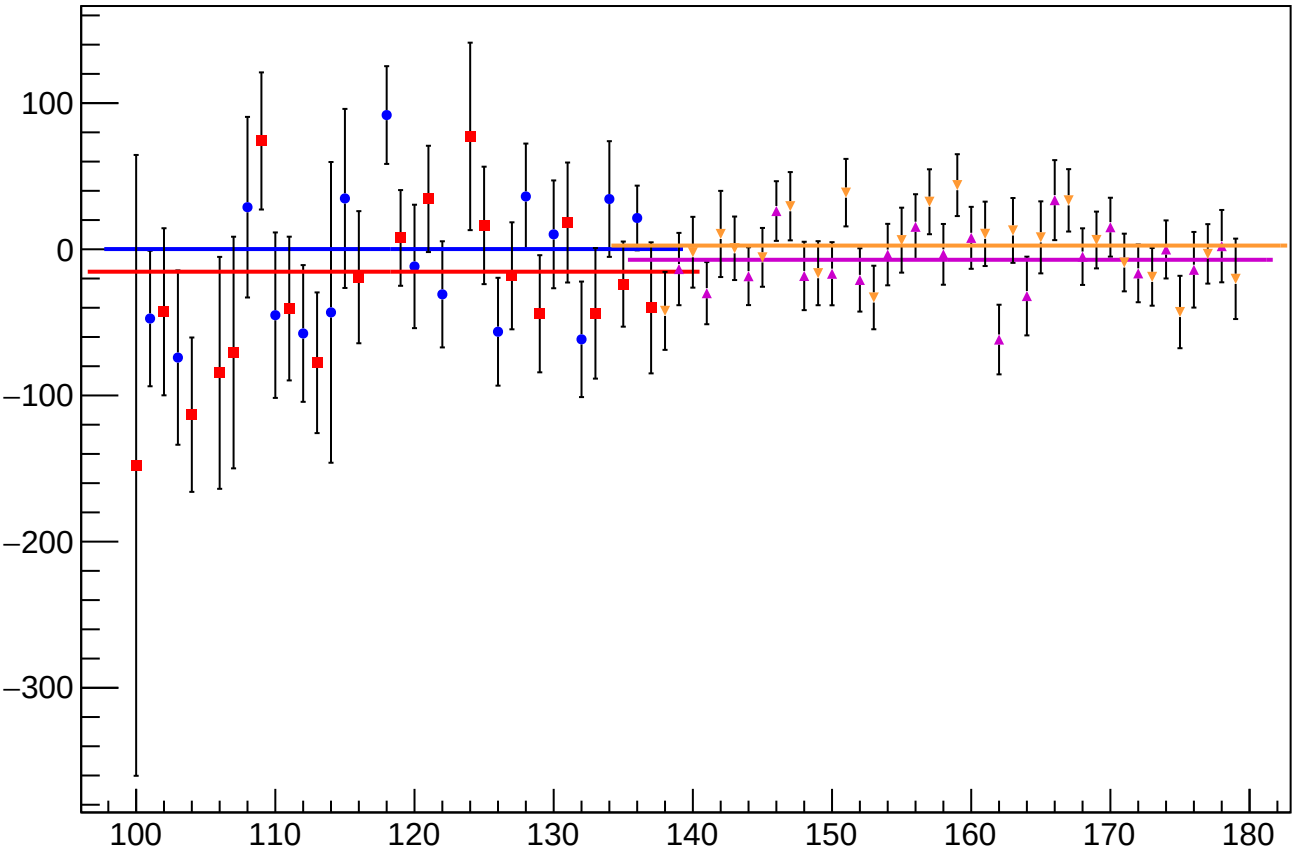
Left: 0.000+/-0.000 χ^2/NDF: 4720315.8/41

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6423341.4/35

Out: 0.000+/-0.000 χ^2/NDF:8182605.8/40

All: 0.000+/-0.000 χ^2/NDF: 14746499.8/76



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.548+/-4.760 χ^2/NDF:24.1/21

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.178+/-4.906 χ^2/NDF:16.7/19

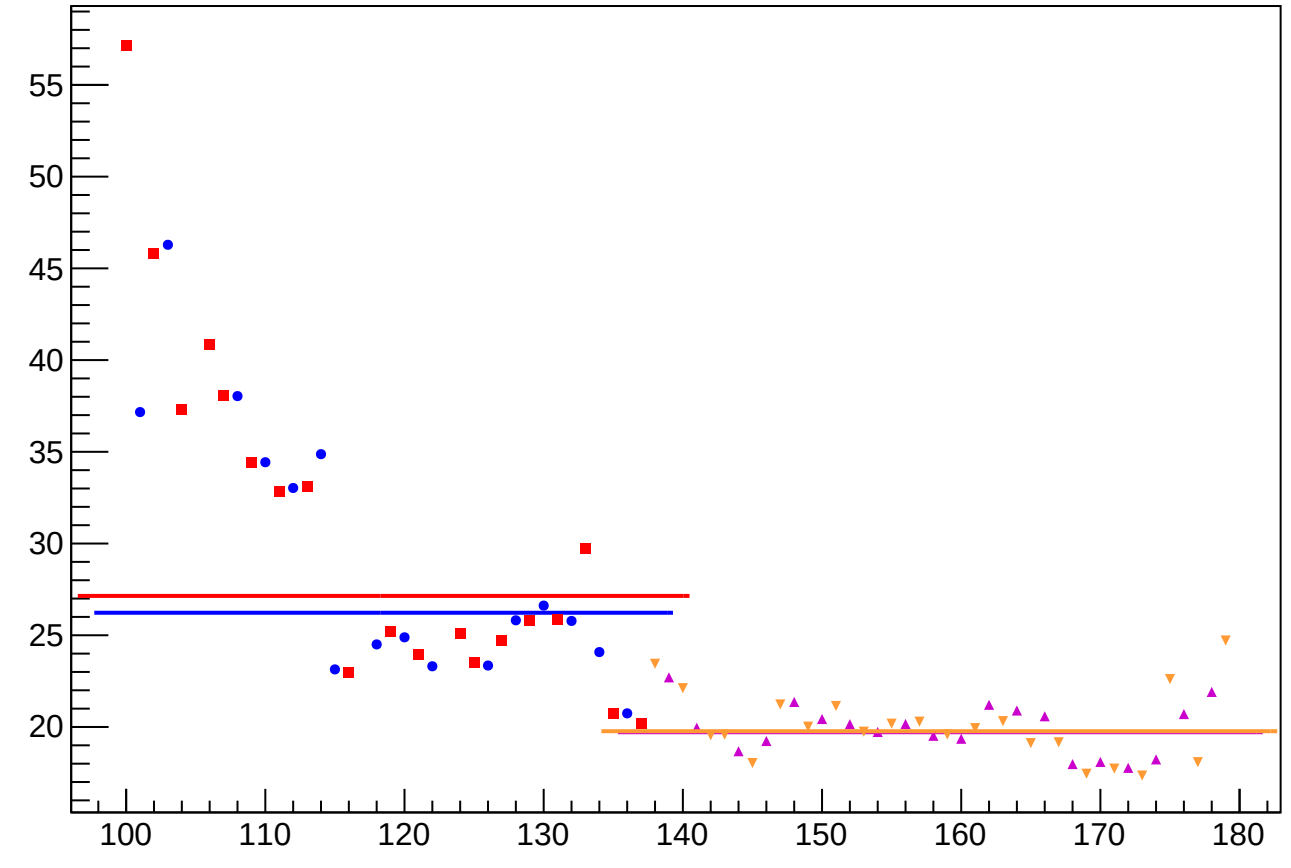
Left: -2.168+/-3.416 χ^2/NDF: 42.9/41

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.766+/-4.408 χ^2/NDF:38.5/35

Out: -0.615+/-4.318 χ^2/NDF:44.6/40

All: -3.138+/-3.085 χ^2/NDF: 83.8/76



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

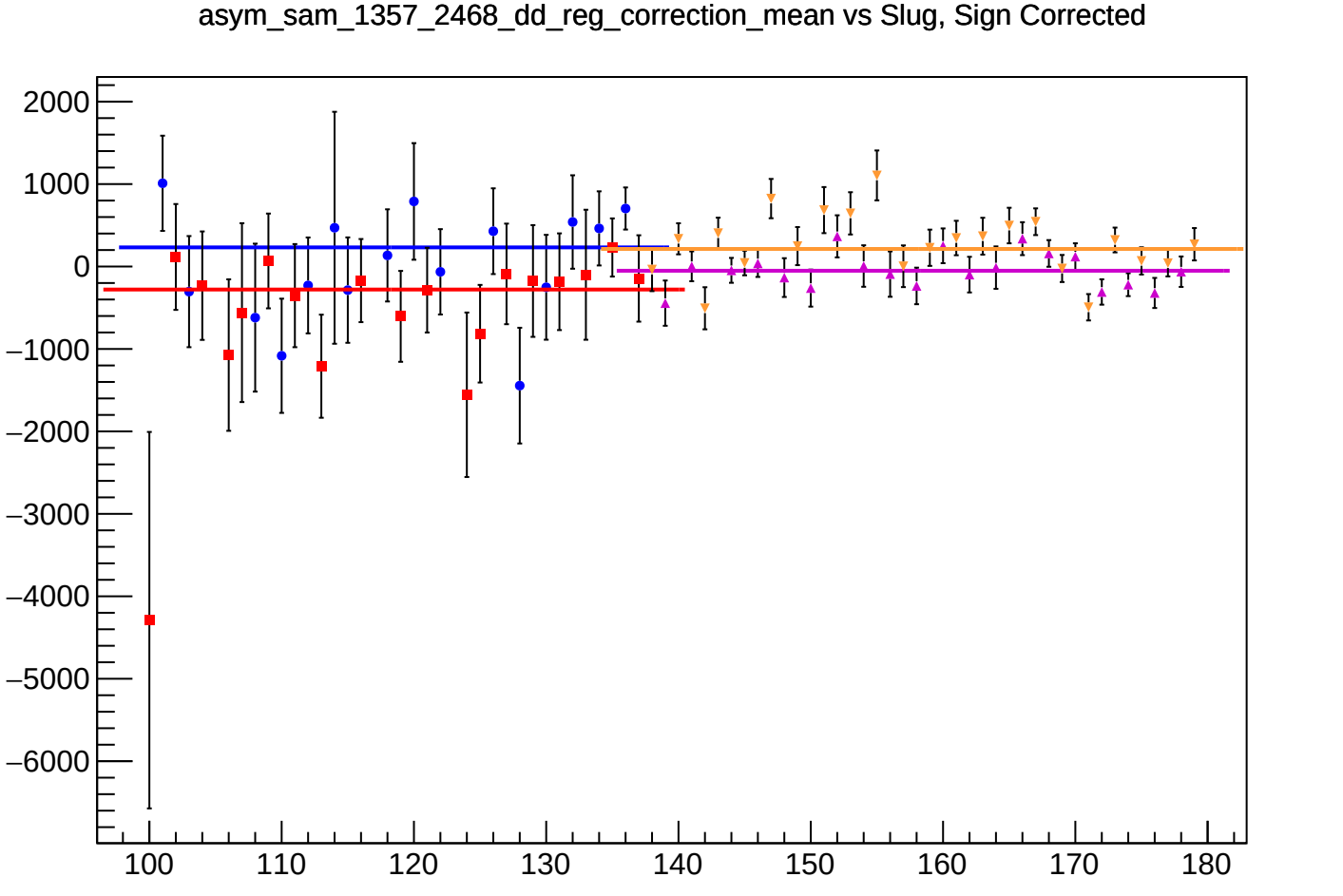
Left: 19.743+/-0.002 χ^2/NDF: 420471.2/41

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 20.968+/-0.003 χ^2/NDF:1497056.2/35

Out: 21.075+/-0.003 χ^2/NDF:1882783.5/40

All: 21.022+/-0.002 χ^2/NDF: 3380434.5/76



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 213.238+/-41.997 χ^2/NDF:64.2/21

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -51.186+/-42.968 χ^2/NDF:22.1/19

Left: 84.047+/-30.034 χ^2/NDF: 105.6/41

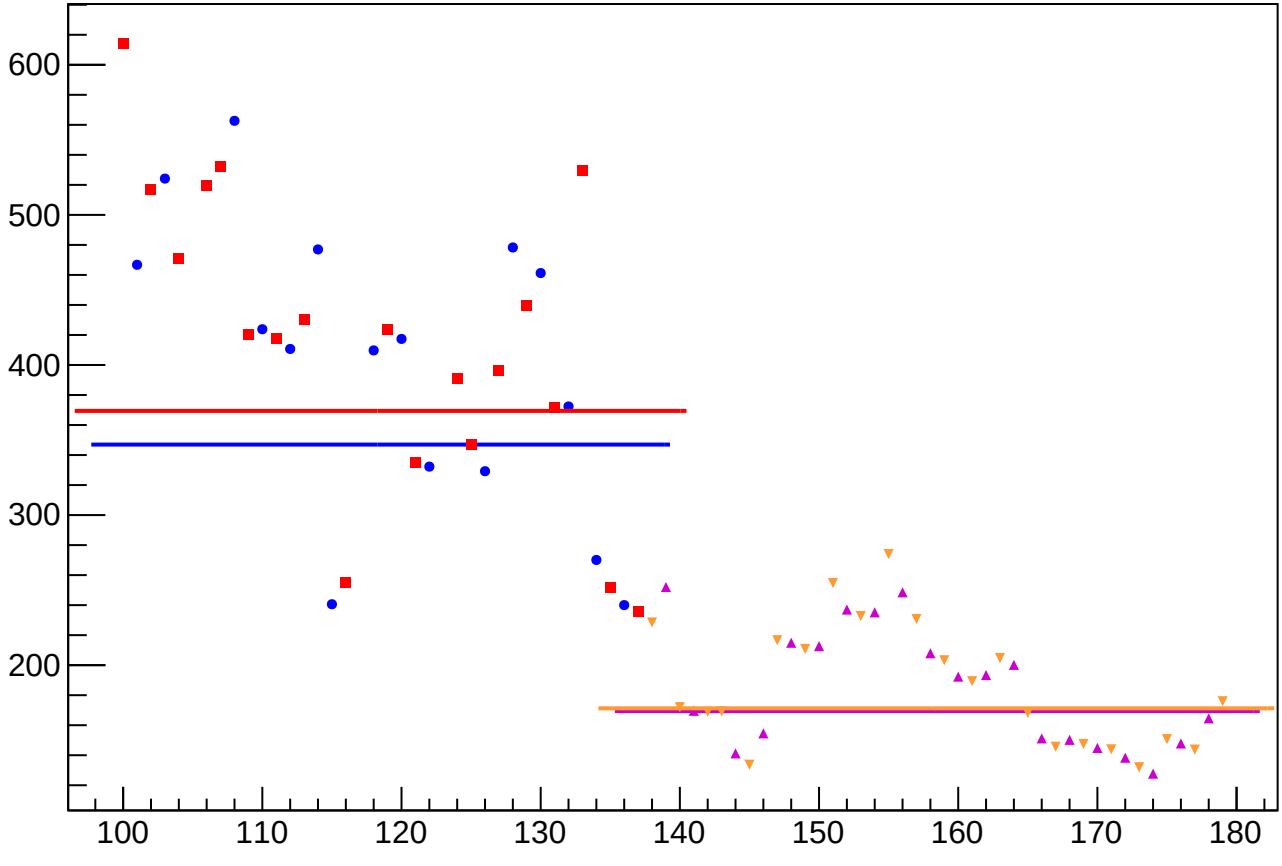
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -25.083+/-40.940 χ^2/NDF:45.7/35

Out: 172.578+/-40.226 χ^2/NDF:87.6/40

All: 75.488+/-28.693 χ^2/NDF: 145.2/76

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 171.258+/-0.030 χ^2/NDF:1467813.2/21

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 169.426+/-0.030 χ^2/NDF:1378667.8/19

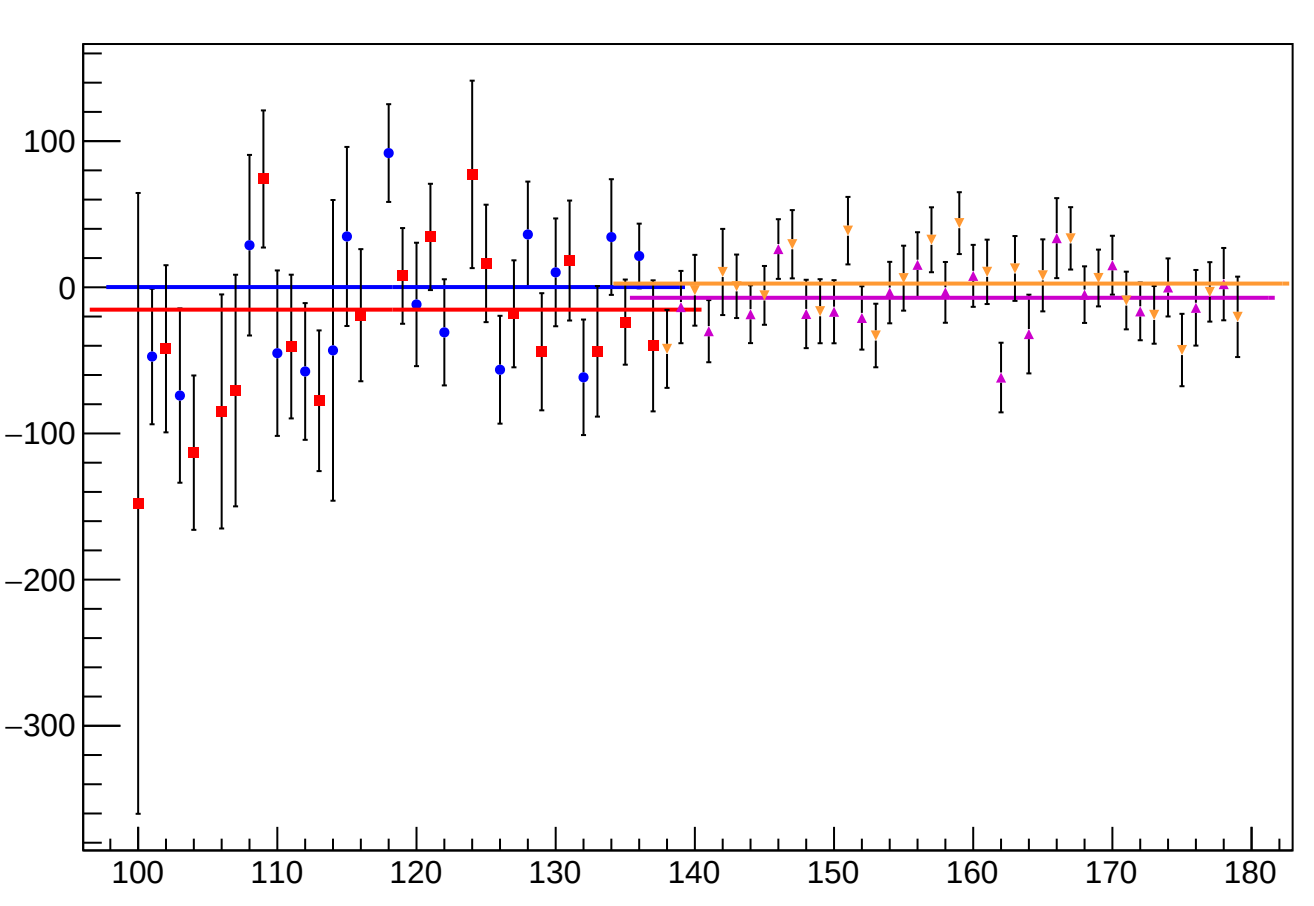
Left: 170.363+/-0.021 χ^2/NDF: 2848341.5/41

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 185.785+/-0.029 χ^2/NDF:5583136.4/35

Out: 187.625+/-0.028 χ^2/NDF:6064125.4/40

All: 186.721+/-0.020 χ^2/NDF: 11649316.5/76



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.178+/-4.906 χ^2/NDF:16.7/19

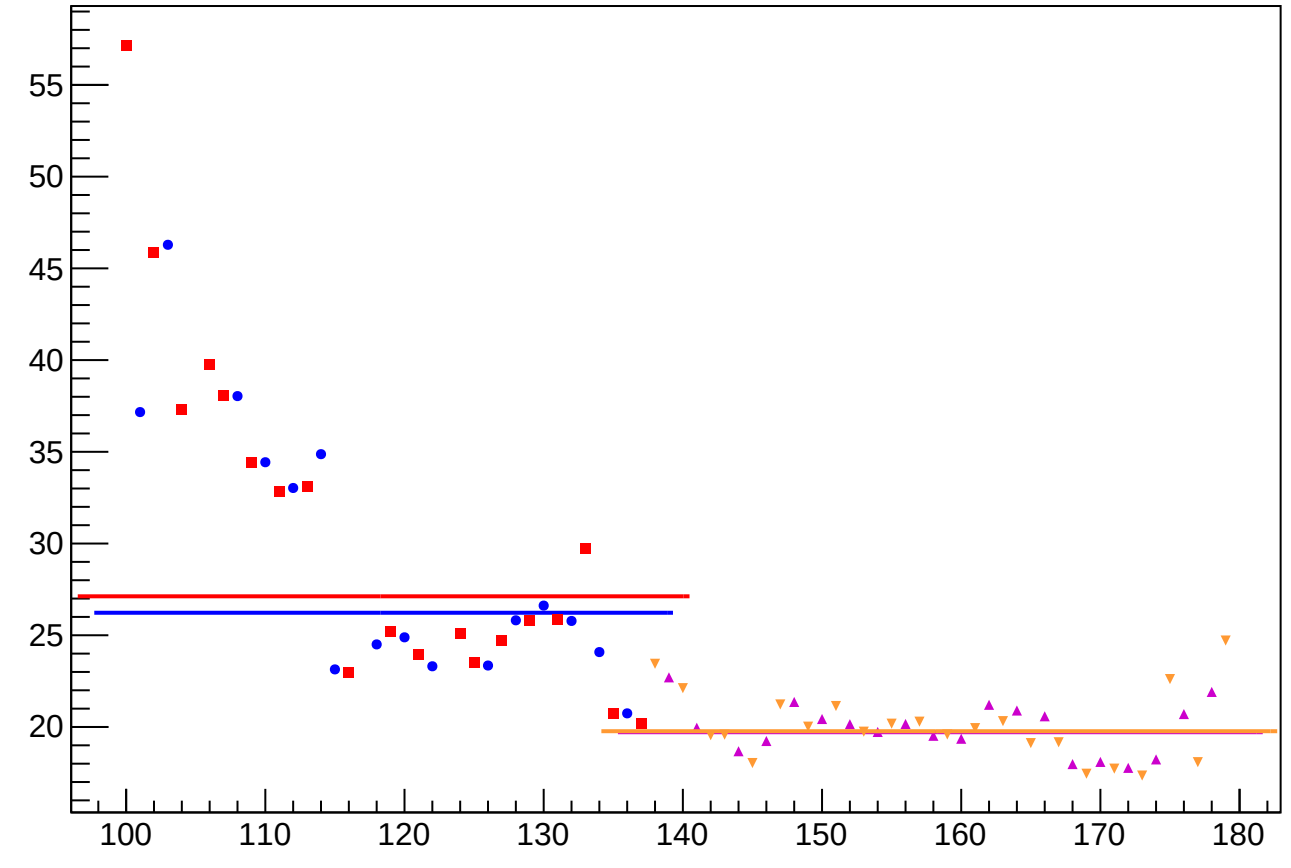
Left: -2.169+/-3.416 χ^2/NDF: 42.9/41

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.766+/-4.408 χ^2/NDF:38.5/35

Out: -0.608+/-4.319 χ^2/NDF:44.6/40

All: -3.134+/-3.085 χ^2/NDF: 83.8/76



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

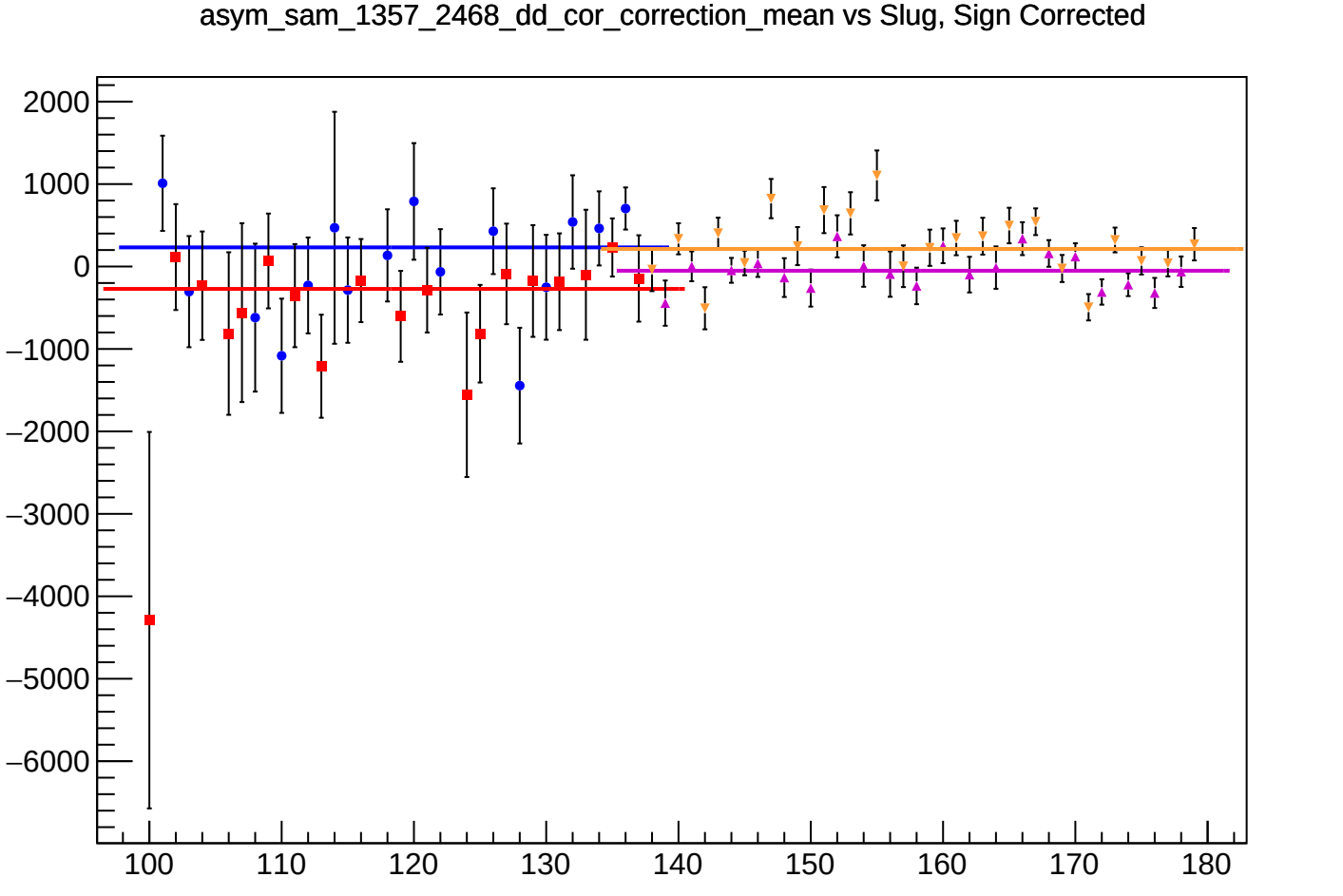
Left: 19.743+/-0.002 χ^2/NDF: 420471.2/41

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

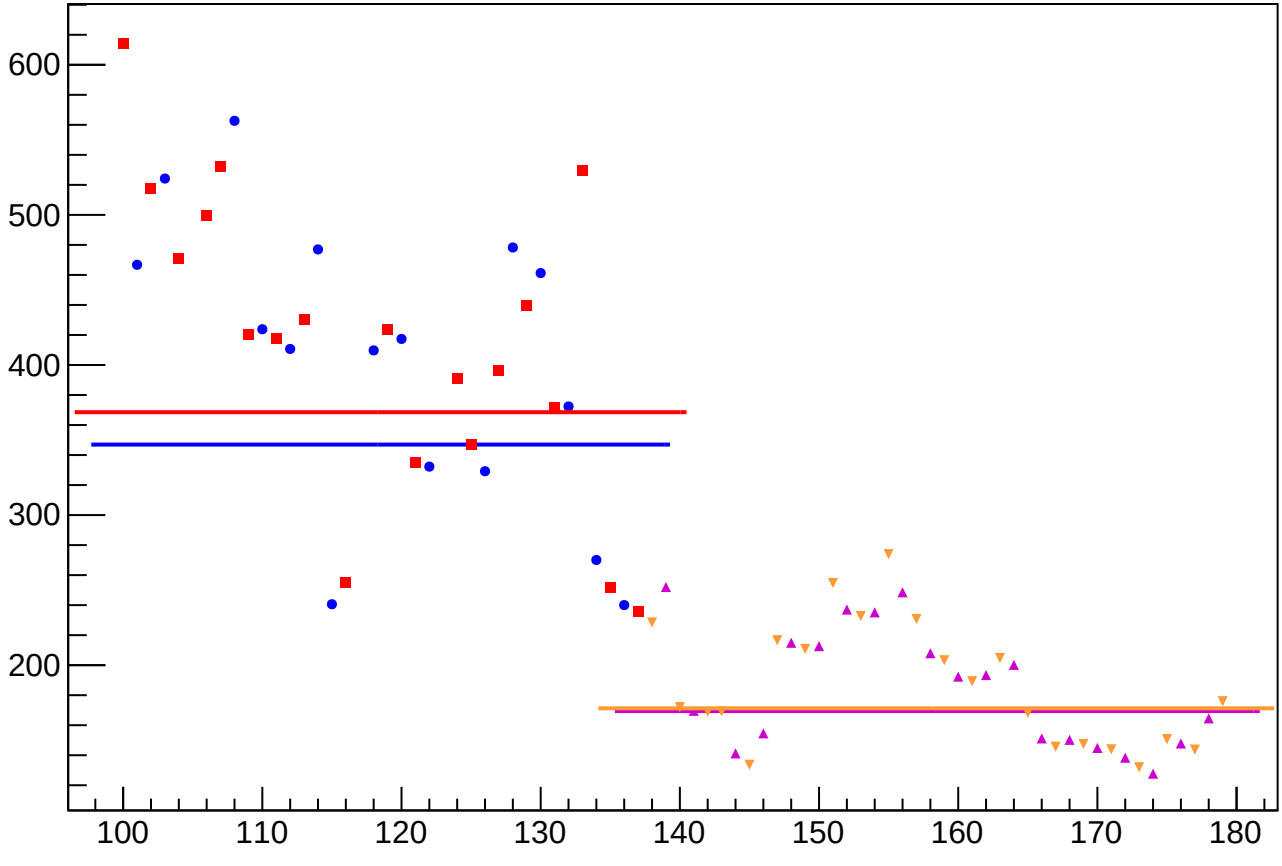
In: 20.968+/-0.003 χ^2/NDF:1497059.6/35

Out: 21.070+/-0.003 χ^2/NDF:1867767.3/40

All: 21.020+/-0.002 χ^2/NDF: 3365375.3/76


asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
180
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 213.237+/-41.997 χ²/NDF:64.2/21
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -51.186+/-42.968 χ²/NDF:22.1/19
Left: 84.046+/-30.034 χ²/NDF: 105.6/41
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: -25.084+/-40.940 χ²/NDF:45.7/35
Out: 173.320+/-40.231 χ²/NDF:86.8/40
All: 75.853+/-28.695 χ²/NDF: 144.5/76

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.426+/-0.030 χ^2/NDF:1378664.8/19

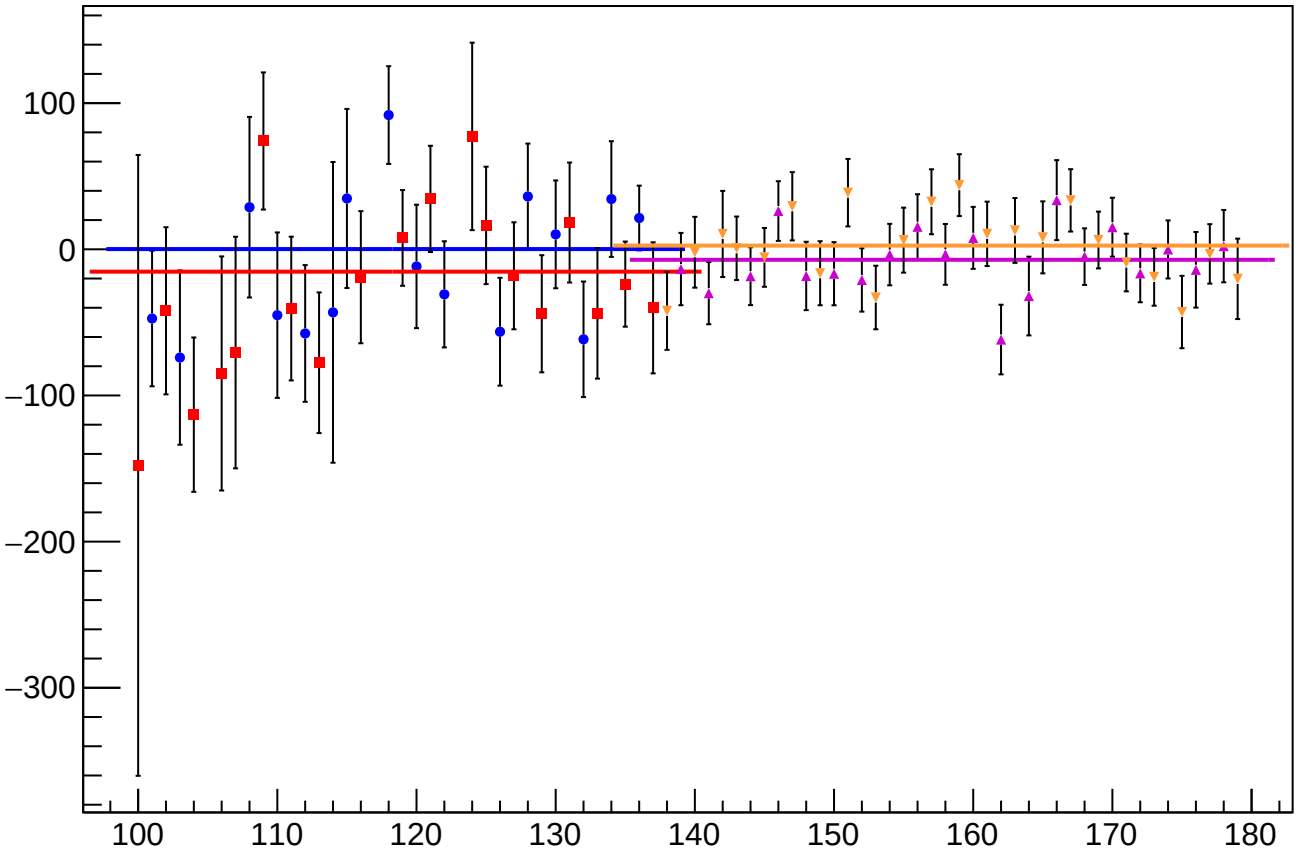
Left: 170.363+/-0.021 χ^2/NDF: 2848340.8/41

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 185.785+/-0.029 χ^2/NDF:5583154.0/35

Out: 187.507+/-0.028 χ^2/NDF:6003013.4/40

All: 186.661+/-0.020 χ^2/NDF: 11587966.5/76



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.547+/-4.760 χ^2/NDF:24.1/21

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.178+/-4.906 χ^2/NDF:16.7/19

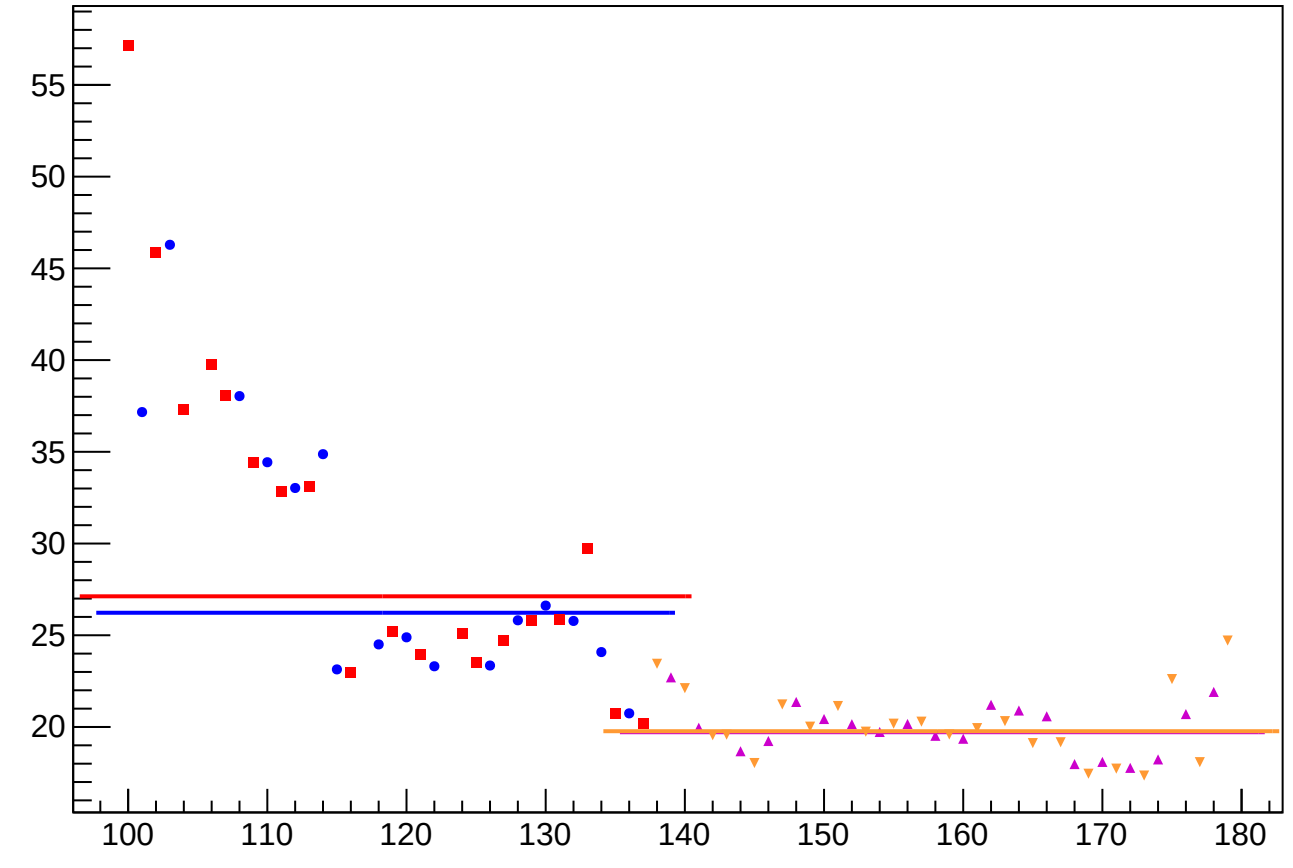
Left: -2.169+/-3.416 χ^2/NDF: 42.9/41

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.766+/-4.408 χ^2/NDF:38.5/35

Out: -0.608+/-4.319 χ^2/NDF:44.6/40

All: -3.134+/-3.085 χ^2/NDF: 83.8/76



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.770+/-0.003 χ^2/NDF:277798.0/21

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.714+/-0.003 χ^2/NDF:142542.4/19

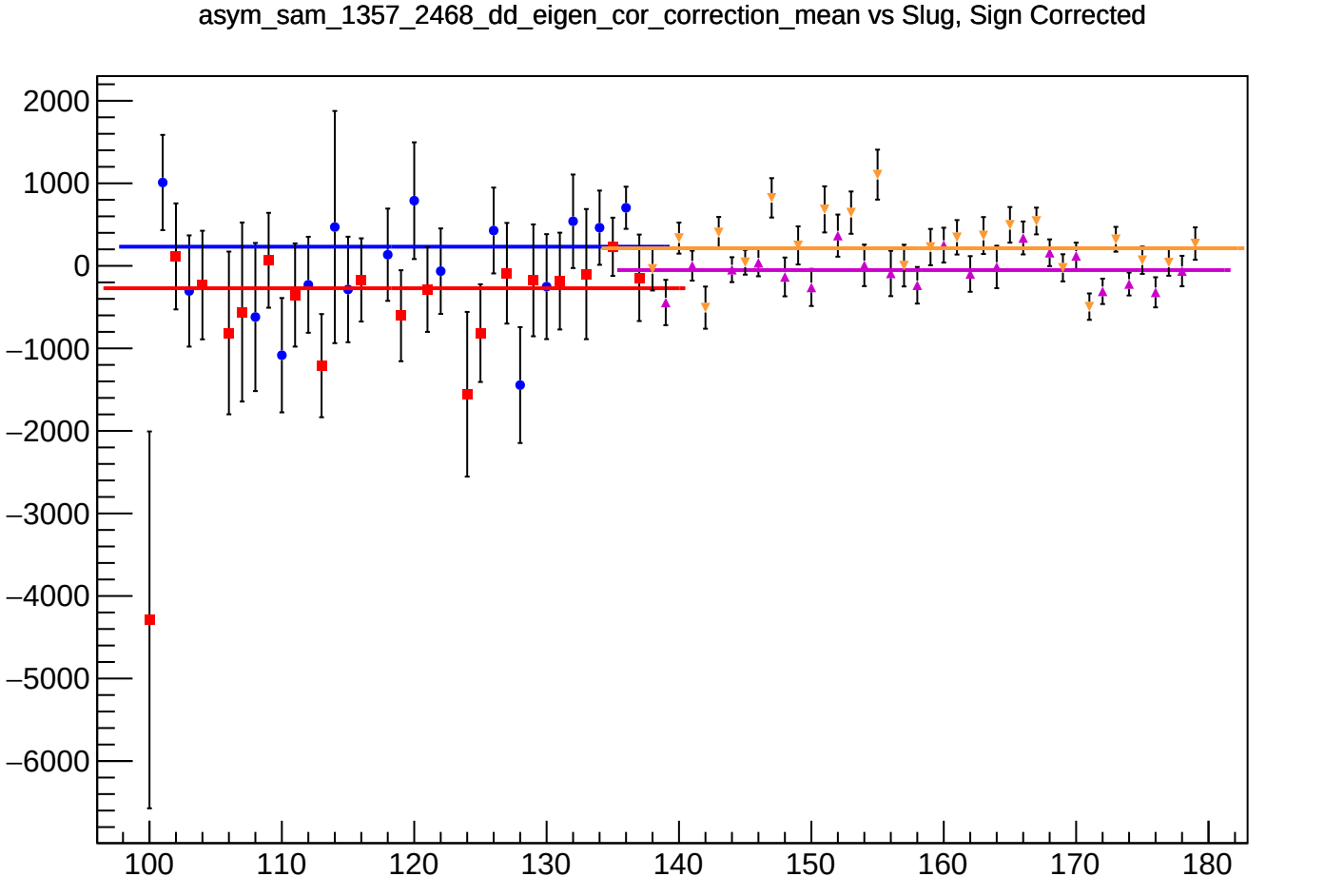
Left: 19.743+/-0.002 χ^2/NDF: 420471.2/41

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.968+/-0.003 χ^2/NDF:1497059.6/35

Out: 21.070+/-0.003 χ^2/NDF:1867767.3/40

All: 21.020+/-0.002 χ^2/NDF: 3365375.3/76



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 213.237+/-41.997 χ^2/NDF:64.2/21

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -51.186+/-42.968 χ^2/NDF:22.1/19

Left: 84.046+/-30.034 χ^2/NDF: 105.6/41

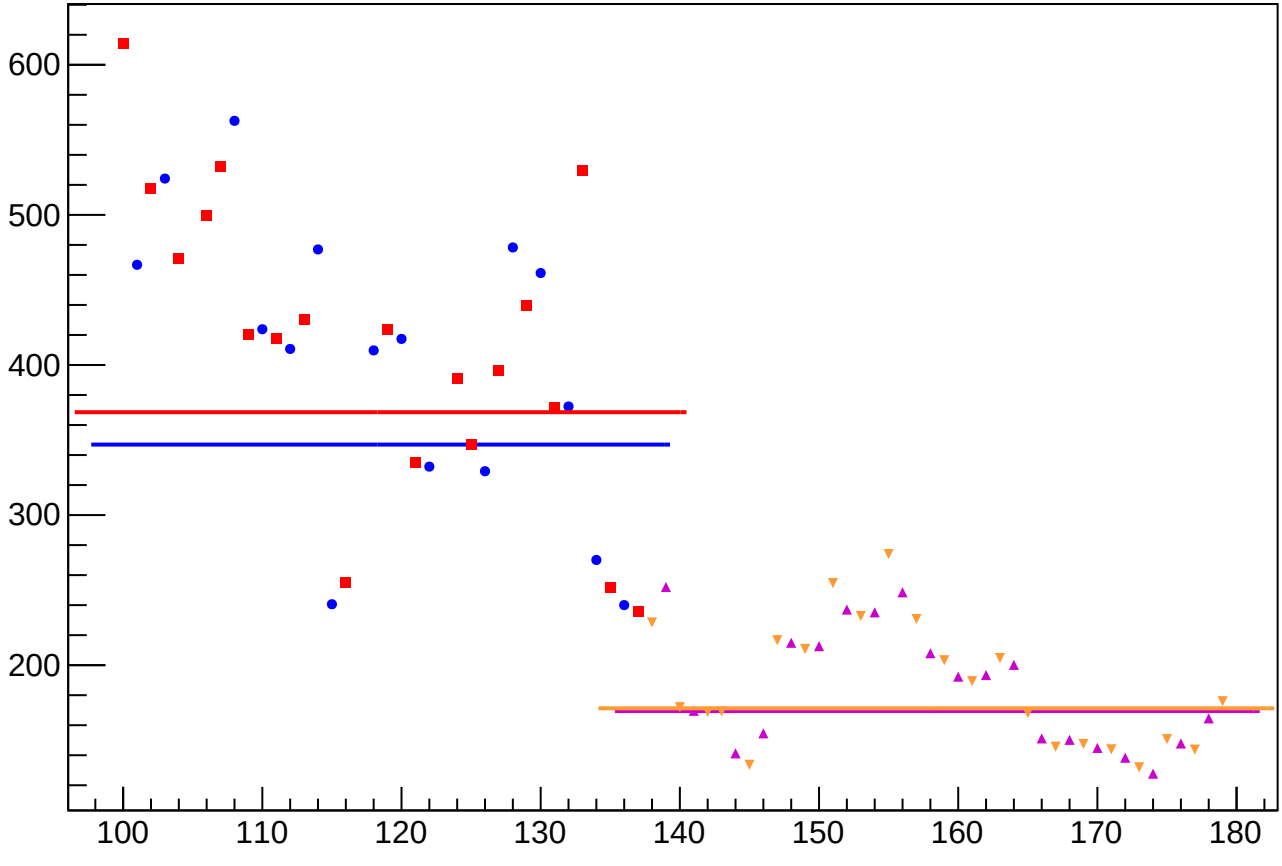
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -25.084+/-40.940 χ^2/NDF:45.7/35

Out: 173.320+/-40.231 χ^2/NDF:86.8/40

All: 75.853+/-28.695 χ^2/NDF: 144.5/76

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 171.258+/-0.030 χ^2/NDF:1467816.0/21

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.426+/-0.030 χ^2/NDF:1378664.8/19

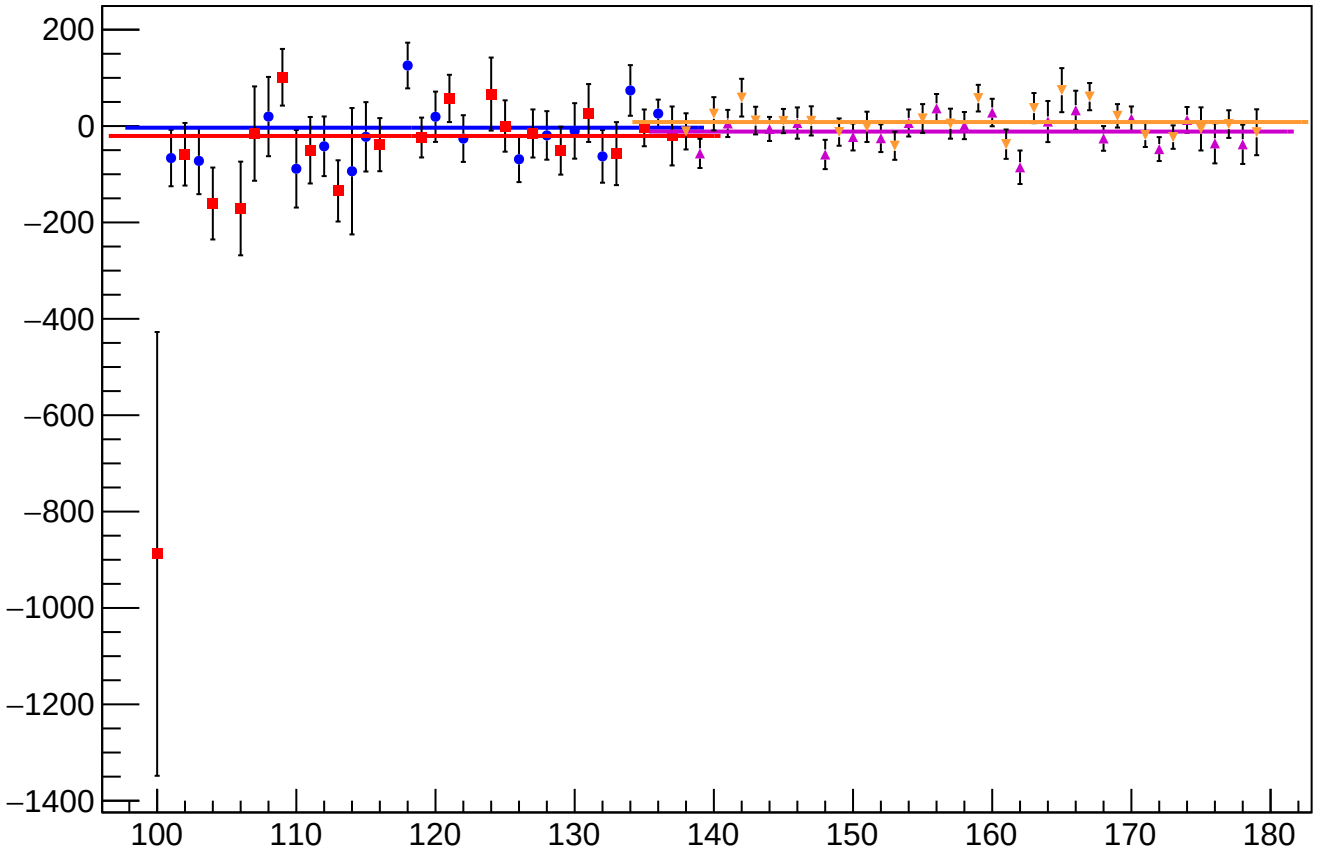
Left: 170.363+/-0.021 χ^2/NDF: 2848340.8/41

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 185.785+/-0.029 χ^2/NDF:5583154.0/35

Out: 187.507+/-0.028 χ^2/NDF:6003013.4/40

All: 186.661+/-0.020 χ^2/NDF: 11587966.5/76



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.471+/-6.648 χ^2/NDF:22.1/19

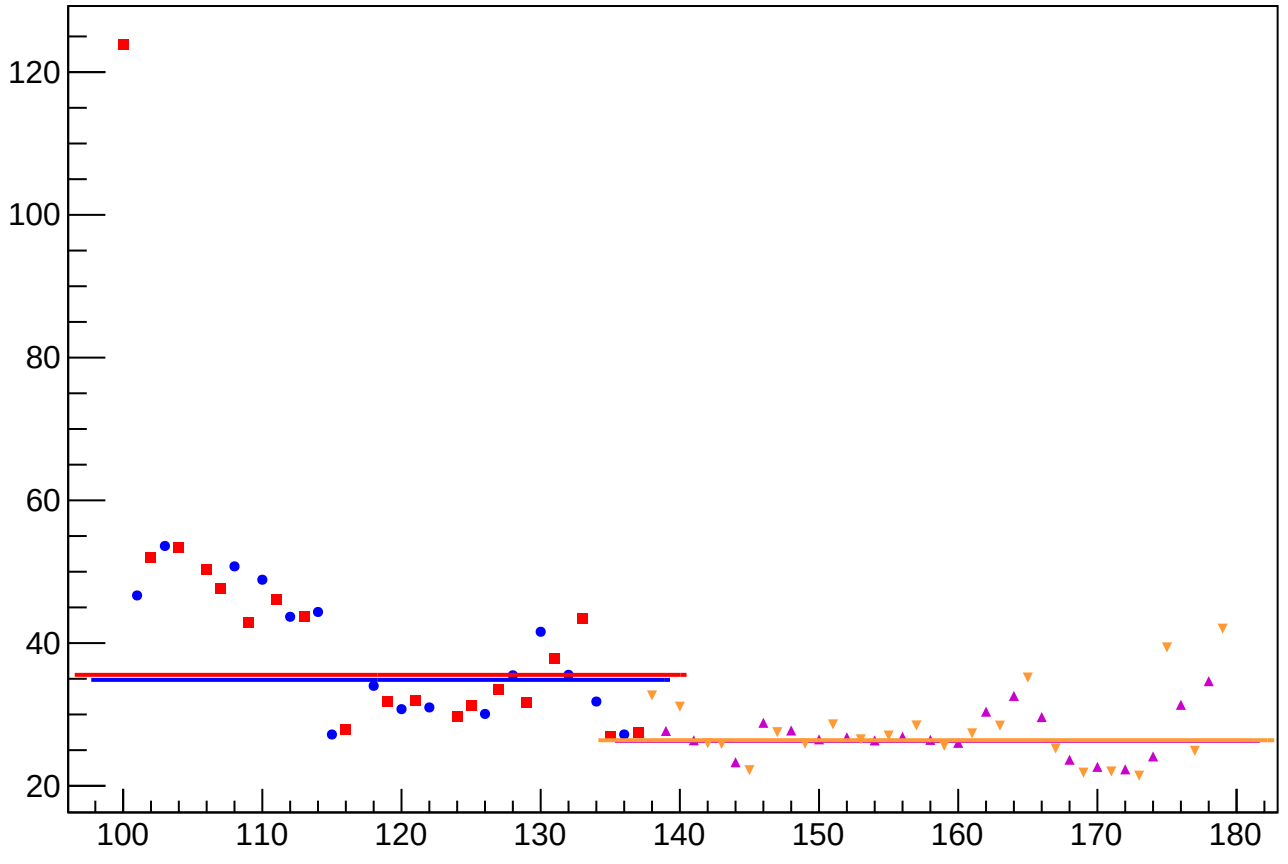
Left: -1.271+/-4.632 χ^2/NDF: 47.7/41

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.880+/-5.955 χ^2/NDF:40.8/35

Out: 2.950+/-5.824 χ^2/NDF:48.0/40

All: -3.322+/-4.164 χ^2/NDF: 91.2/76



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.389+/-0.005 χ^2/NDF:867297.7/21

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.296+/-0.005 χ^2/NDF:377330.6/19

Left: 26.344+/-0.003 χ^2/NDF: 1244832.7/41

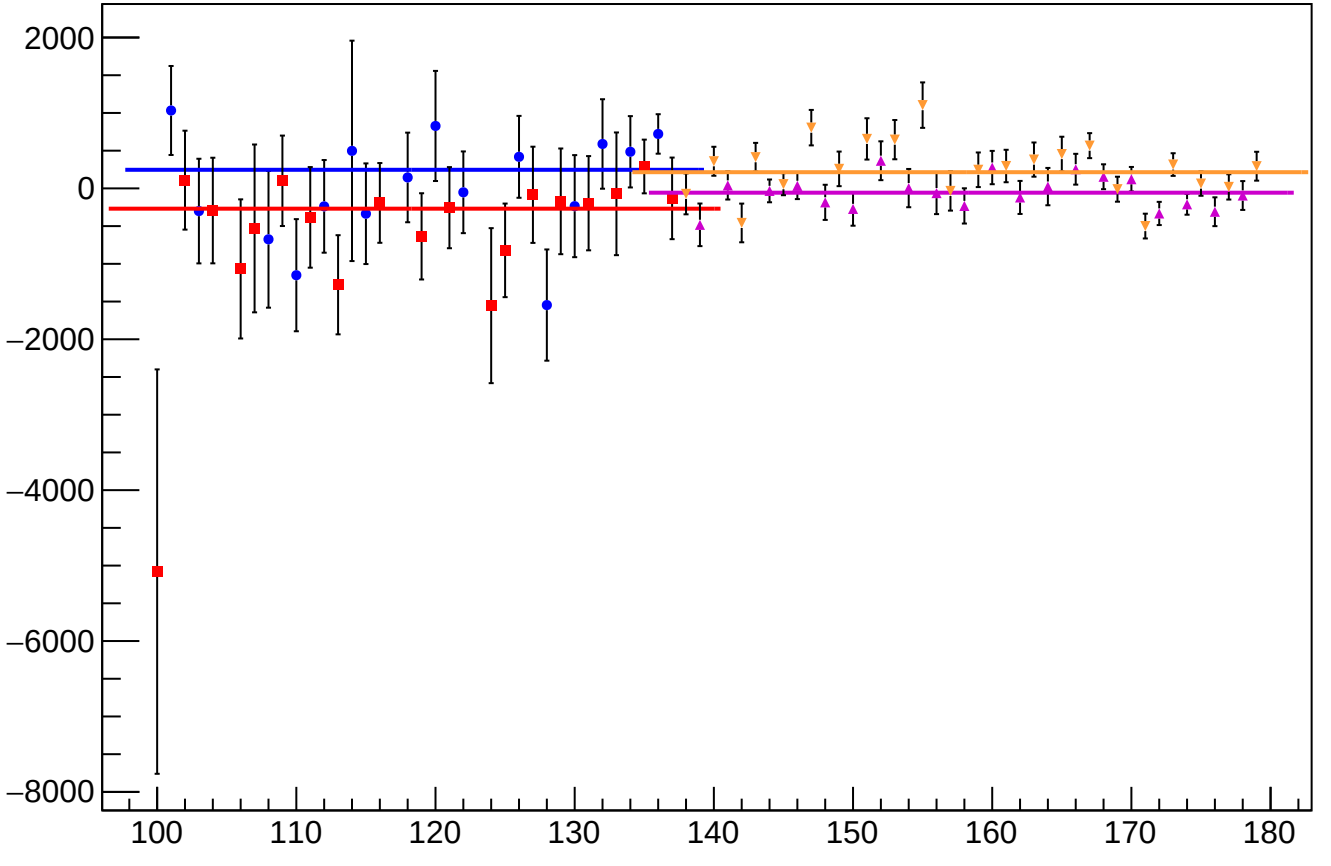
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.987+/-0.004 χ^2/NDF:1690180.9/35

Out: 28.101+/-0.004 χ^2/NDF:2399332.1/40

All: 28.045+/-0.003 χ^2/NDF: 4089888.1/76

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 214.729+/-42.412 χ^2/NDF:62.1/21

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -57.068+/-43.699 χ^2/NDF:21.3/19

Left: 82.892+/-30.435 χ^2/NDF: 103.3/41

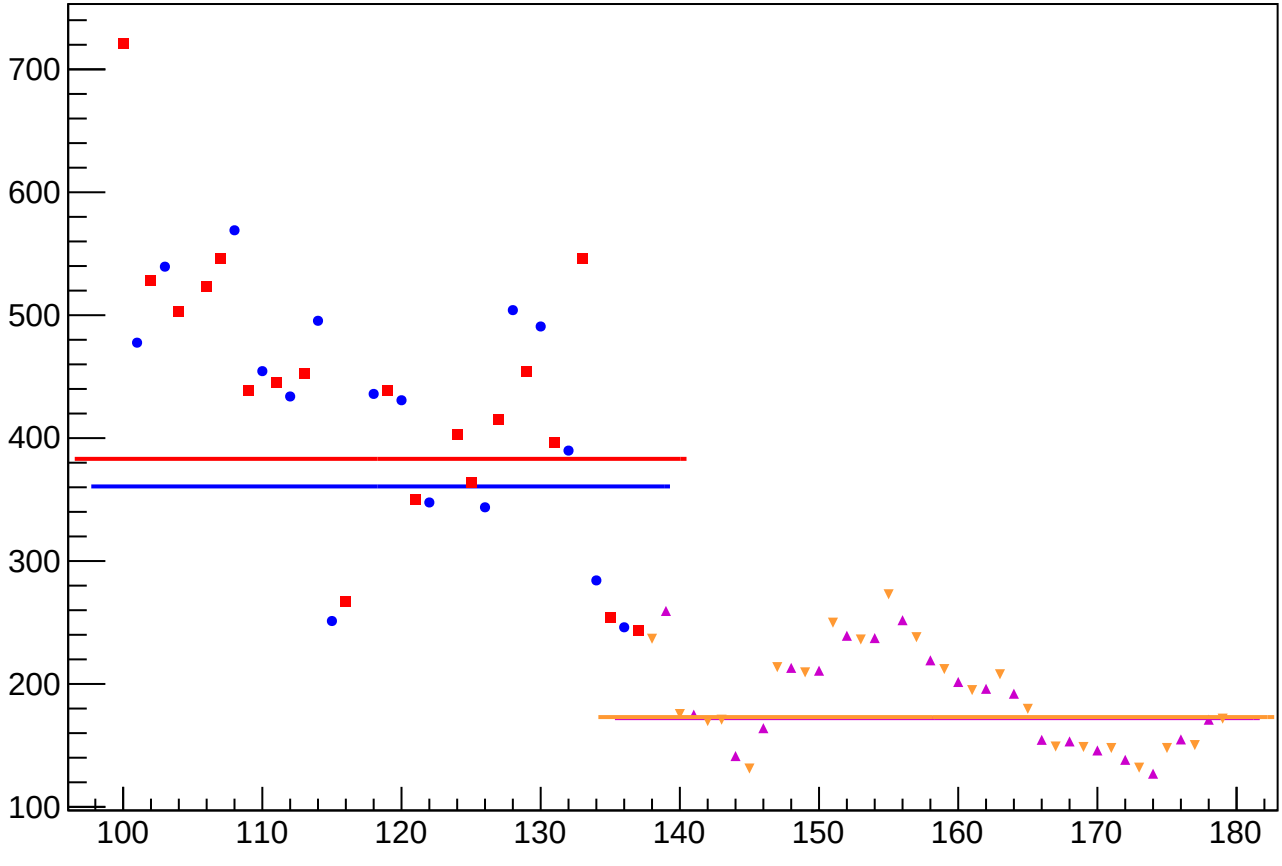
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -30.213+/-41.722 χ^2/NDF:45.3/35

Out: 176.754+/-40.713 χ^2/NDF:84.9/40

All: 75.802+/-29.139 χ^2/NDF: 142.8/76

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 173.058+/-0.030 χ^2/NDF:1499843.3/21

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 172.201+/-0.031 χ^2/NDF:1406426.3/19

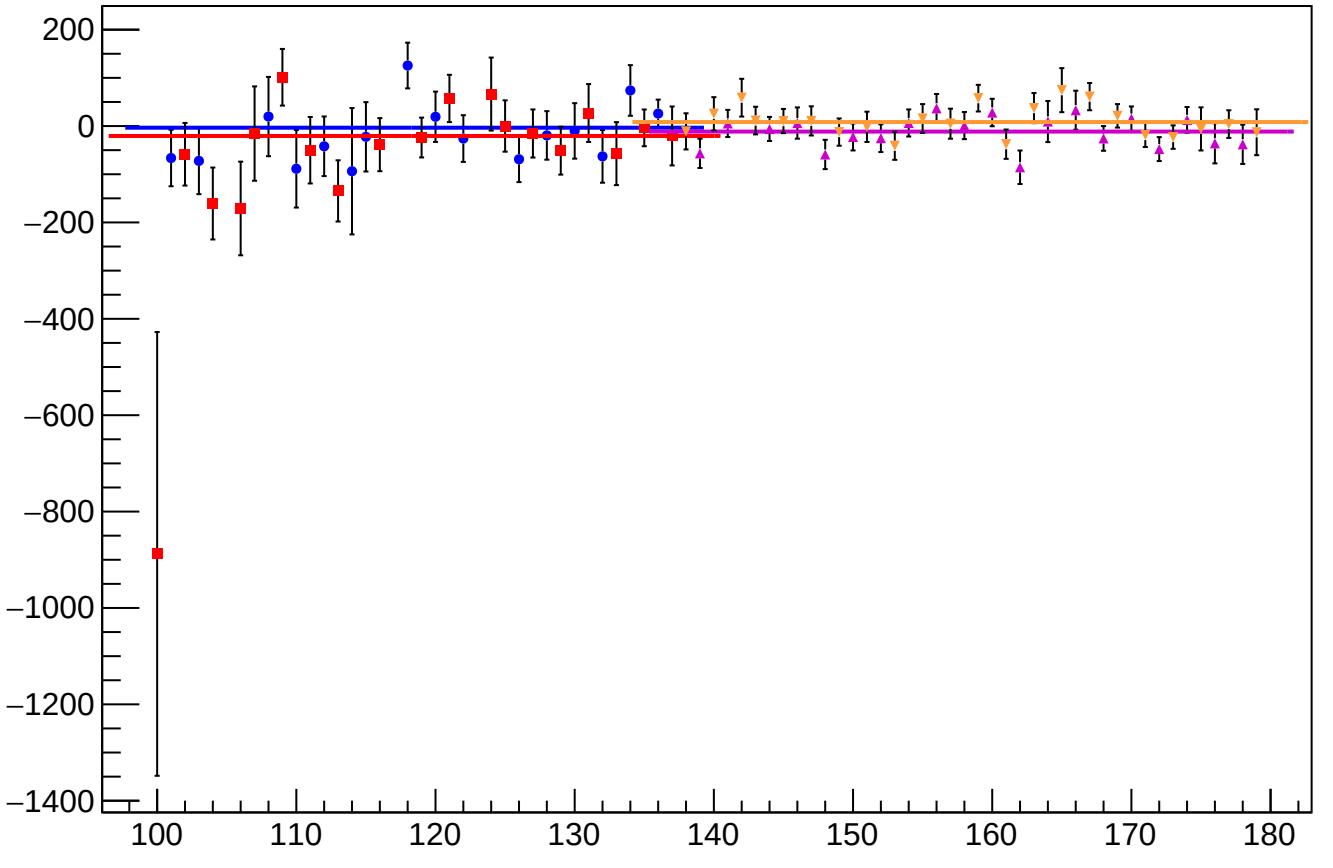
Left: 172.642+/-0.022 χ^2/NDF: 2906665.9/41

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 188.876+/-0.030 χ^2/NDF:5790941.1/35

Out: 189.553+/-0.029 χ^2/NDF:6315585.4/40

All: 189.222+/-0.021 χ^2/NDF: 12106796.4/76



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.353+/-6.458 χ^2/NDF:21.1/21

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.470+/-6.648 χ^2/NDF:22.1/19

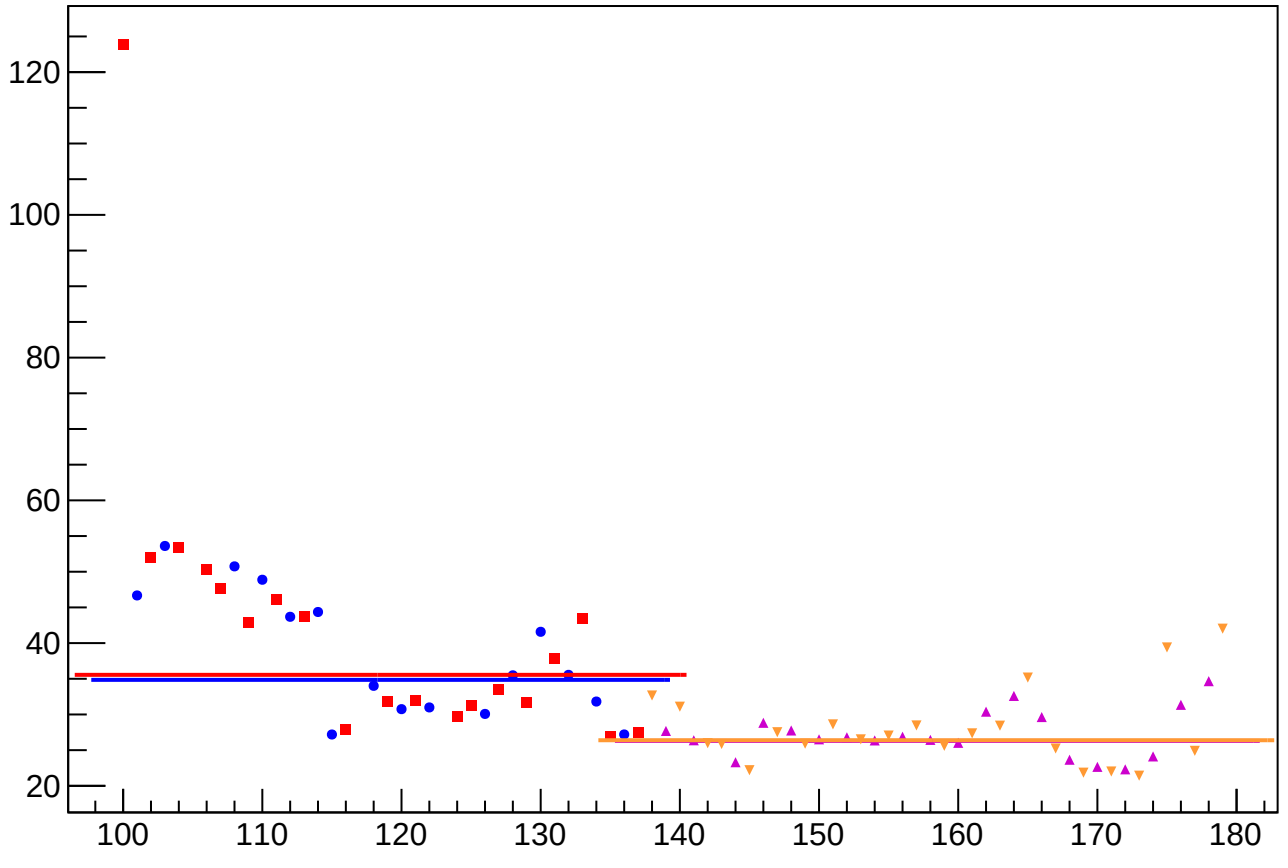
Left: -1.271+/-4.632 χ^2/NDF: 47.7/41

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.880+/-5.955 χ^2/NDF:40.8/35

Out: 2.950+/-5.824 χ^2/NDF:48.0/40

All: -3.322+/-4.164 χ^2/NDF: 91.2/76



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.389+/-0.005 χ^2/NDF:867311.9/21

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.296+/-0.005 χ^2/NDF:377329.1/19

Left: 26.344+/-0.003 χ^2/NDF: 1244845.6/41

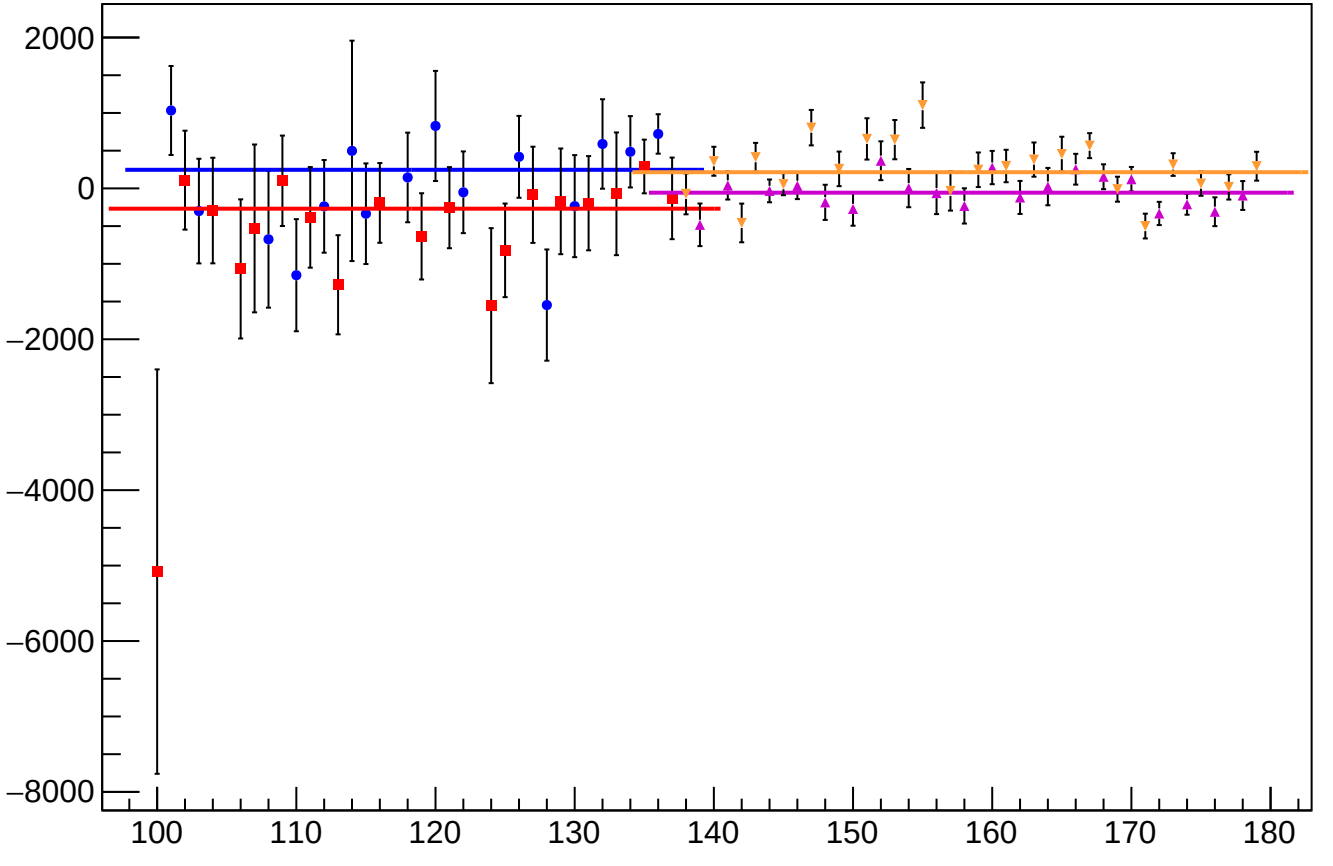
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.987+/-0.004 χ^2/NDF:1690057.1/35

Out: 28.101+/-0.004 χ^2/NDF:2399249.1/40

All: 28.045+/-0.003 χ^2/NDF: 4089681.6/76

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 214.728+/-42.412 χ^2/NDF:62.1/21

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -57.068+/-43.699 χ^2/NDF:21.3/19

Left: 82.891+/-30.435 χ^2/NDF: 103.3/41

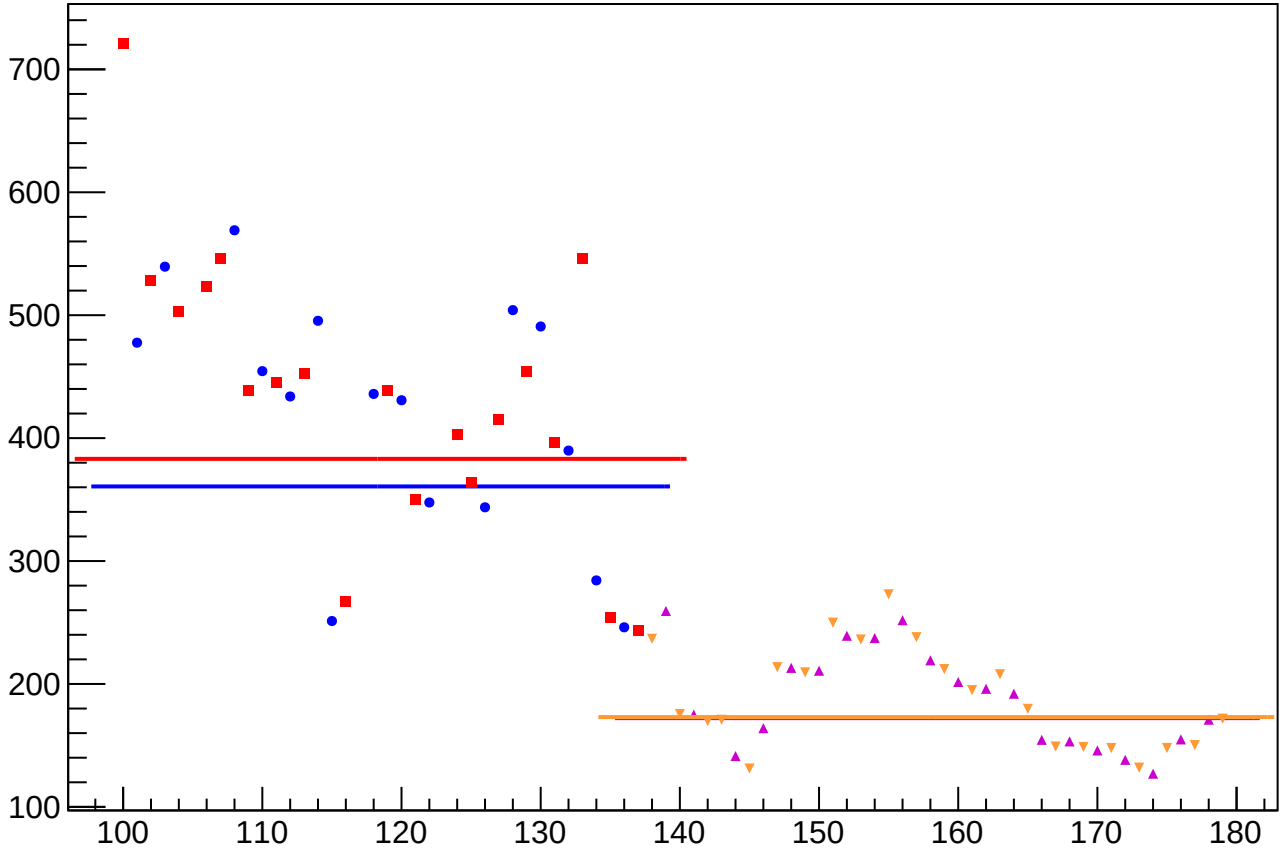
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -30.212+/-41.722 χ^2/NDF:45.3/35

Out: 176.754+/-40.713 χ^2/NDF:84.9/40

All: 75.802+/-29.139 χ^2/NDF: 142.8/76

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 173.058+/-0.030 χ^2/NDF:1499859.8/21

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 172.200+/-0.031 χ^2/NDF:1406440.5/19

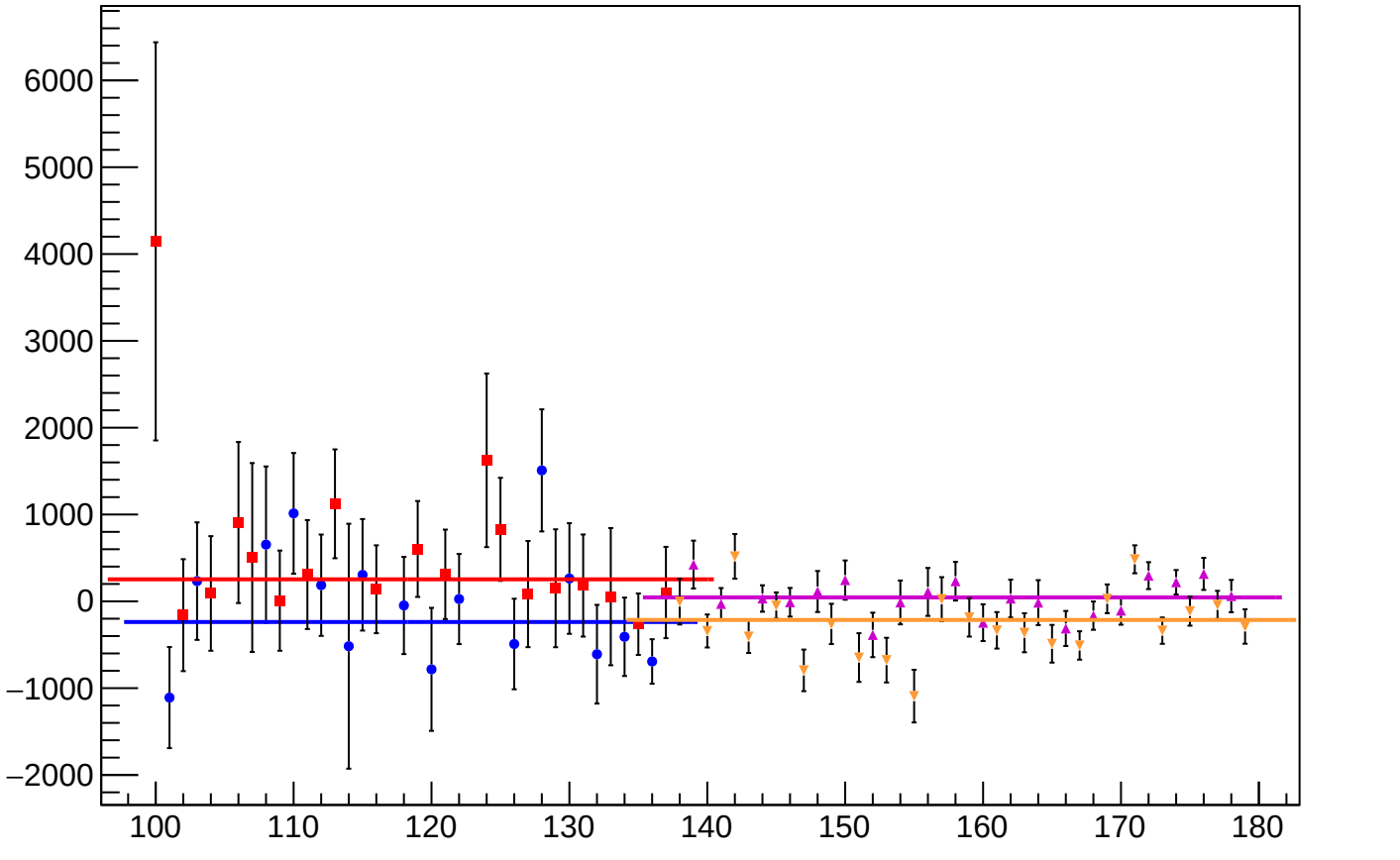
Left: 172.642+/-0.022 χ^2/NDF: 2906696.7/41

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 188.875+/-0.030 χ^2/NDF:5790955.5/35

Out: 189.552+/-0.029 χ^2/NDF:6315605.2/40

All: 189.222+/-0.021 χ^2/NDF: 12106830.5/76



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -214.226+/-42.305 χ^2/NDF:61.1/21

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 45.074+/-43.288 χ^2/NDF:20.6/19

Left: -87.556+/-30.256 χ^2/NDF: 100.1/41

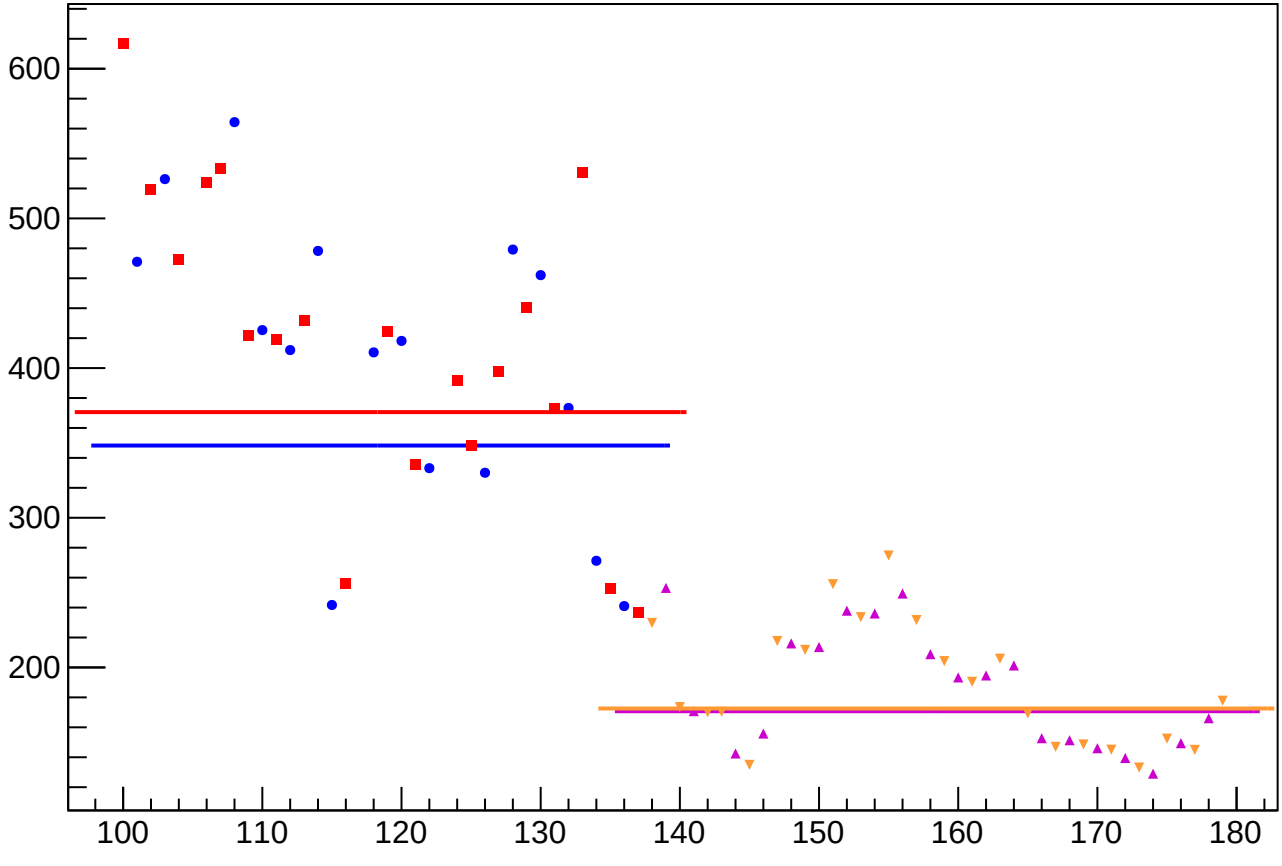
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 18.802+/-41.231 χ^2/NDF:44.5/35

Out: -175.307+/-40.506 χ^2/NDF:82.9/40

All: -79.974+/-28.895 χ^2/NDF: 138.8/76

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 172.583+/-0.030 χ^2/NDF:1443257.8/21

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 170.765+/-0.031 χ^2/NDF:1352748.2/19

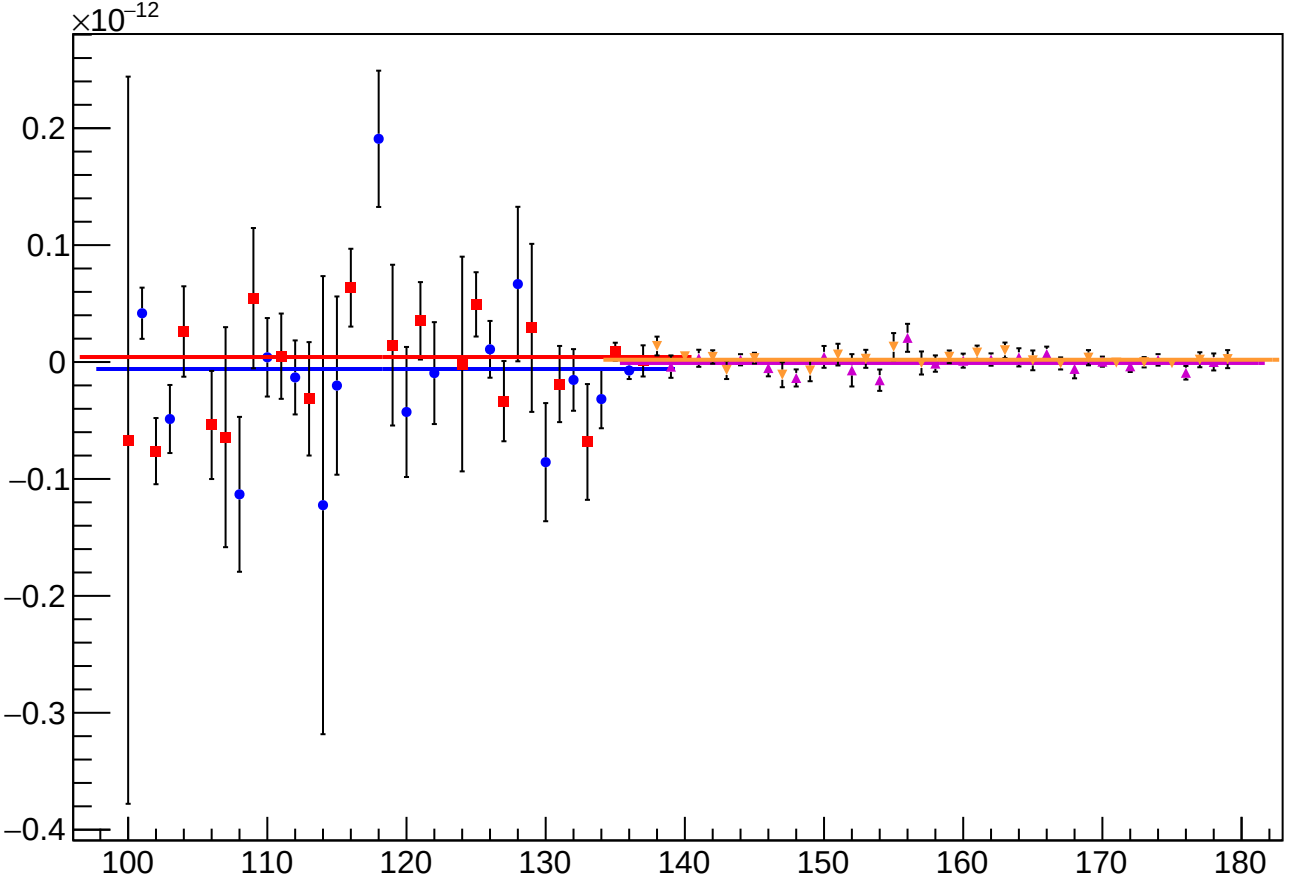
Left: 171.695+/-0.021 χ^2/NDF: 2797809.1/41

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 187.236+/-0.029 χ^2/NDF:5529604.5/35

Out: 189.060+/-0.029 χ^2/NDF:6007181.7/40

All: 188.164+/-0.020 χ^2/NDF: 11538779.1/76



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/21

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/19

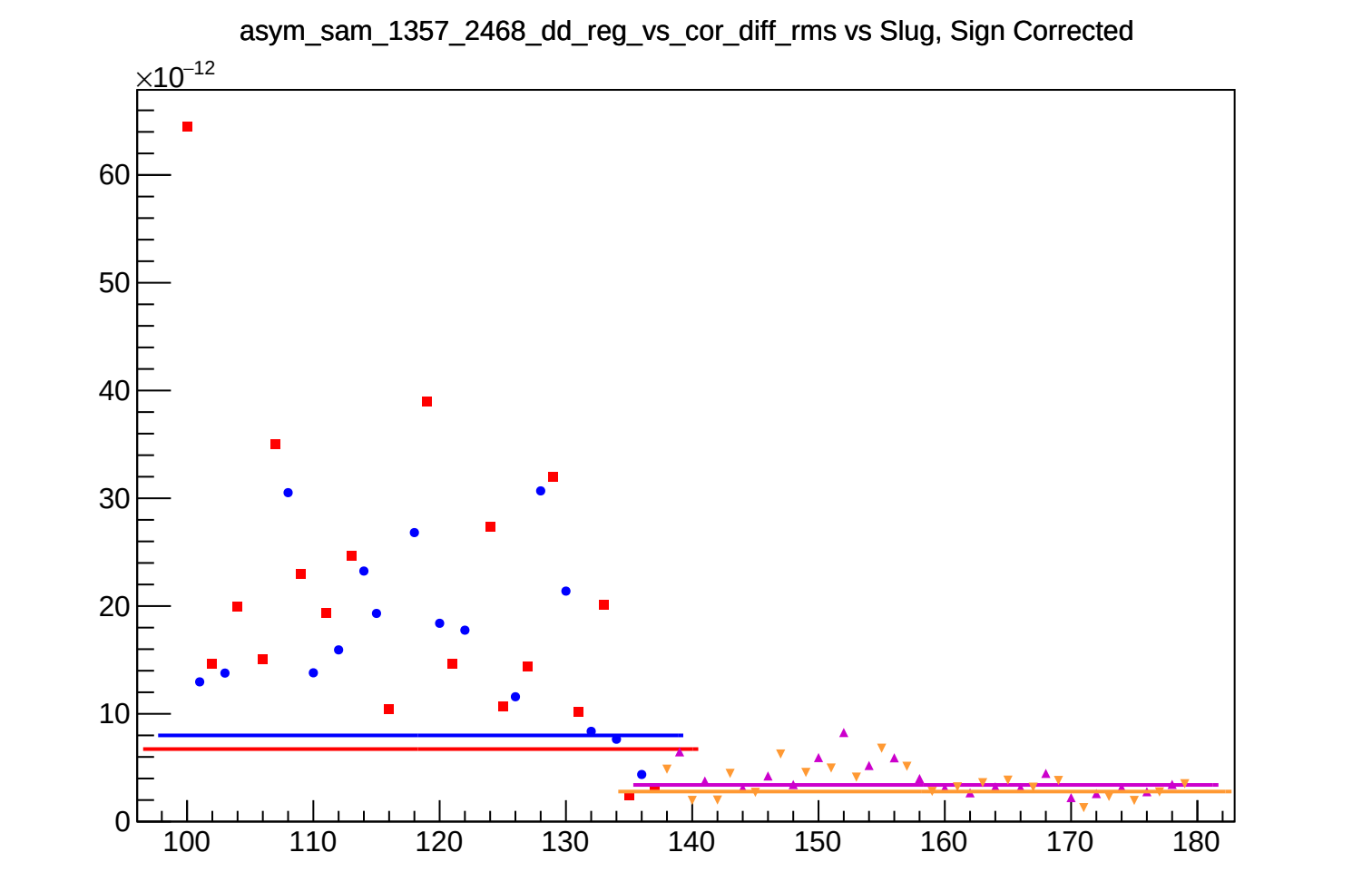
Left: 0.000+/-0.000 χ^2/NDF: 30.7/41

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:44.1/35

Out: 0.000+/-0.000 χ^2/NDF:35.8/40

All: 0.000+/-0.000 χ^2/NDF: 82.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1838382.8/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1133139.2/19

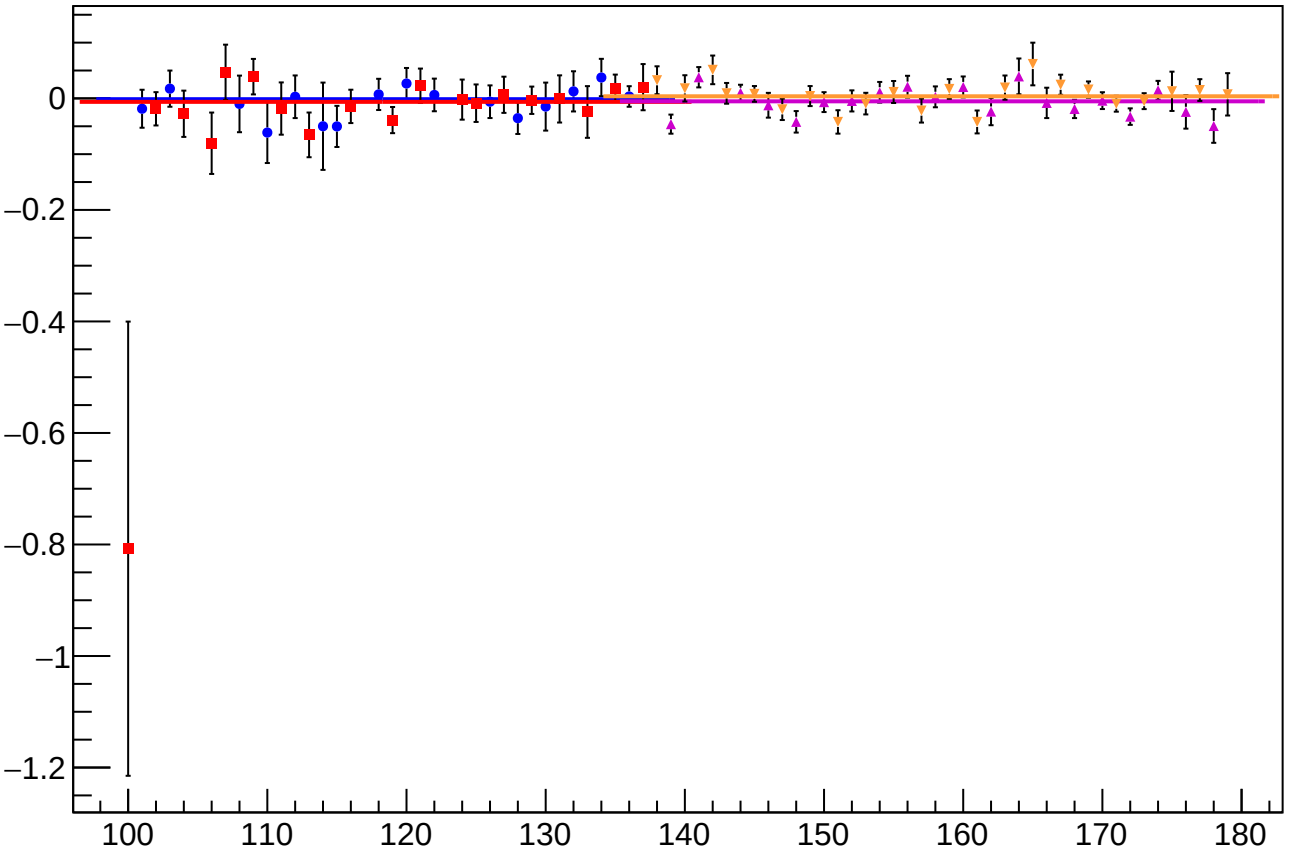
Left: 0.000+/-0.000 χ^2/NDF: 3181962.8/41

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4307729.6/35

Out: 0.000+/-0.000 χ^2/NDF:6178000.6/40

All: 0.000+/-0.000 χ^2/NDF: 10787460.2/76



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.4/41

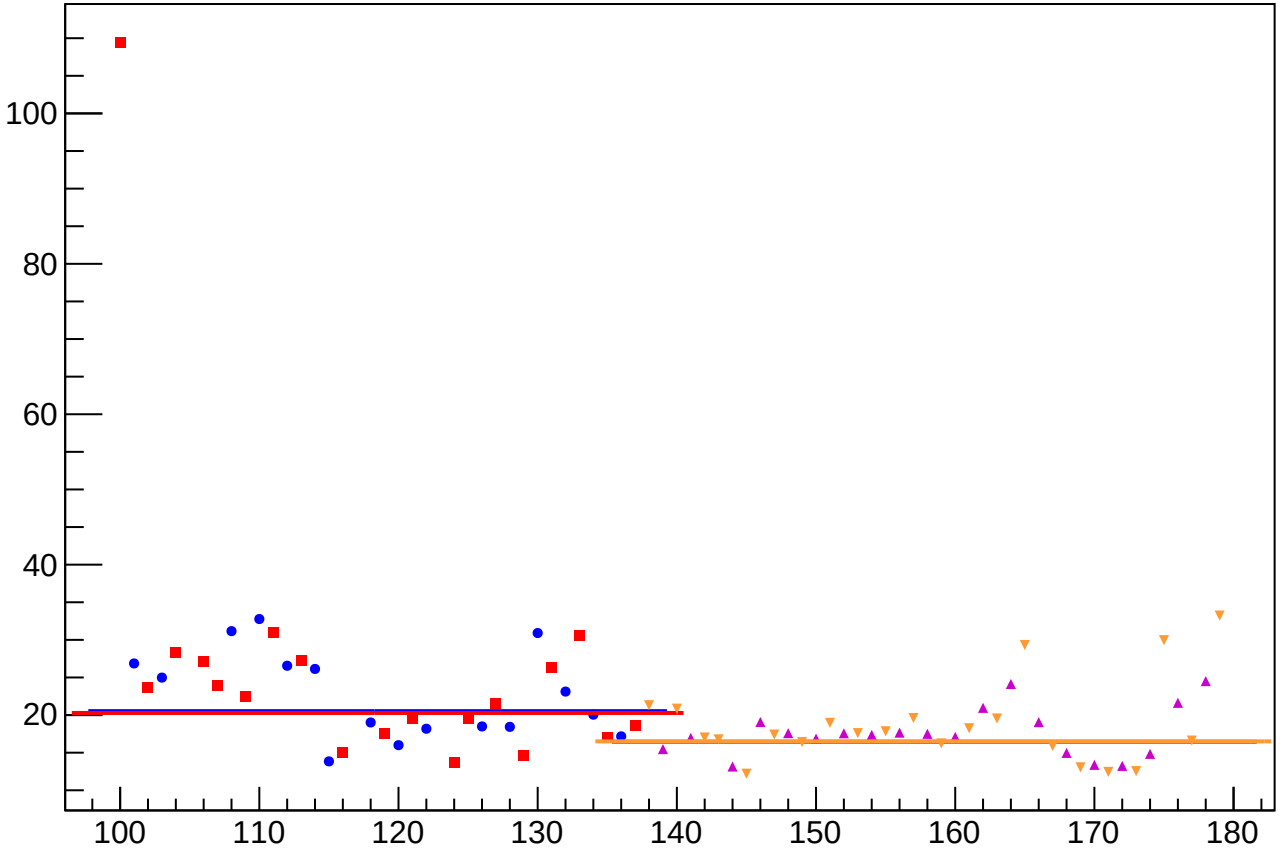
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.001+/-0.003 χ^2/NDF: 84.3/76

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.502+/-0.003 χ^2/NDF:1806154.8/21

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.448+/-0.003 χ^2/NDF:790831.6/19

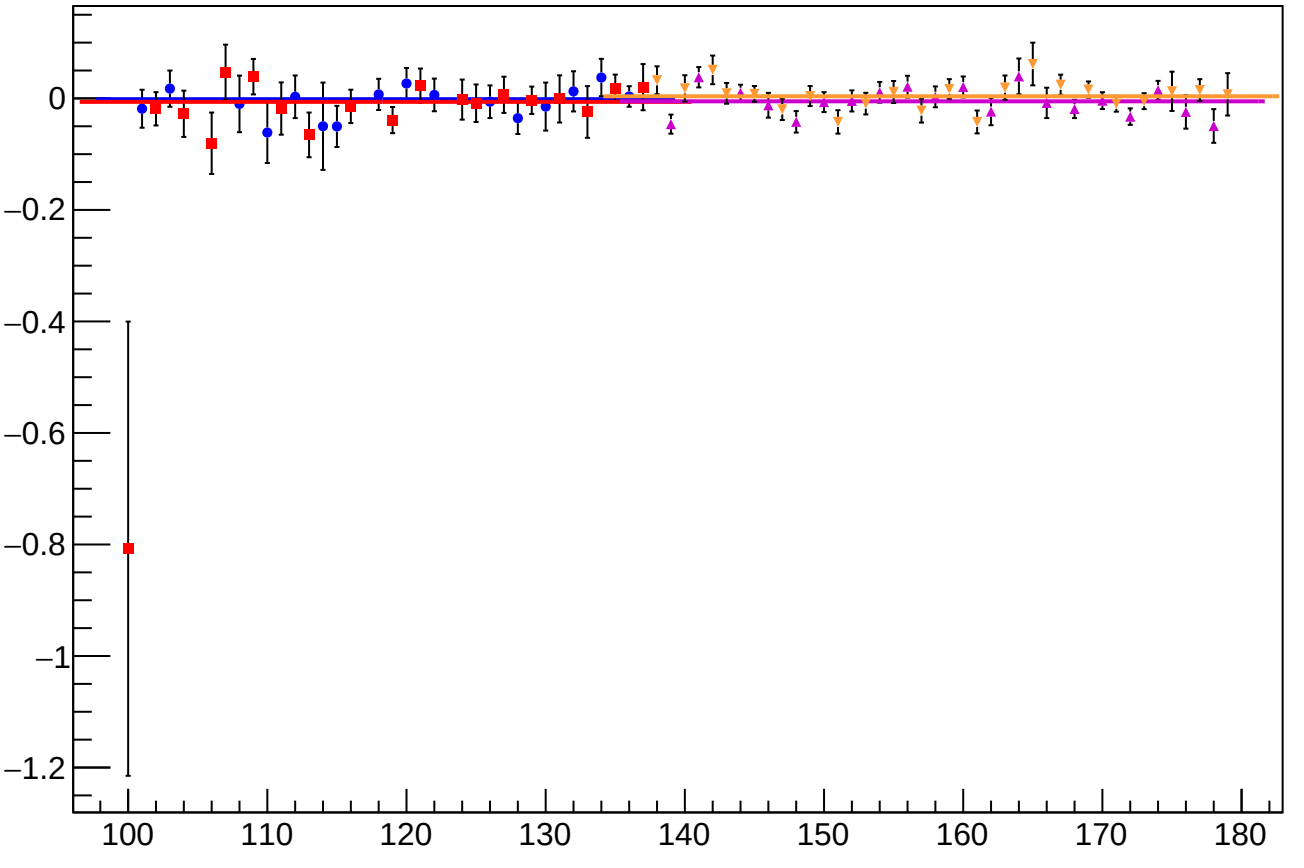
Left: 16.476+/-0.002 χ^2/NDF: 2597157.0/41

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.332+/-0.003 χ^2/NDF:1896857.0/35

Out: 17.318+/-0.003 χ^2/NDF:3030879.7/40

All: 17.325+/-0.002 χ^2/NDF: 4927750.6/76



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.4/41

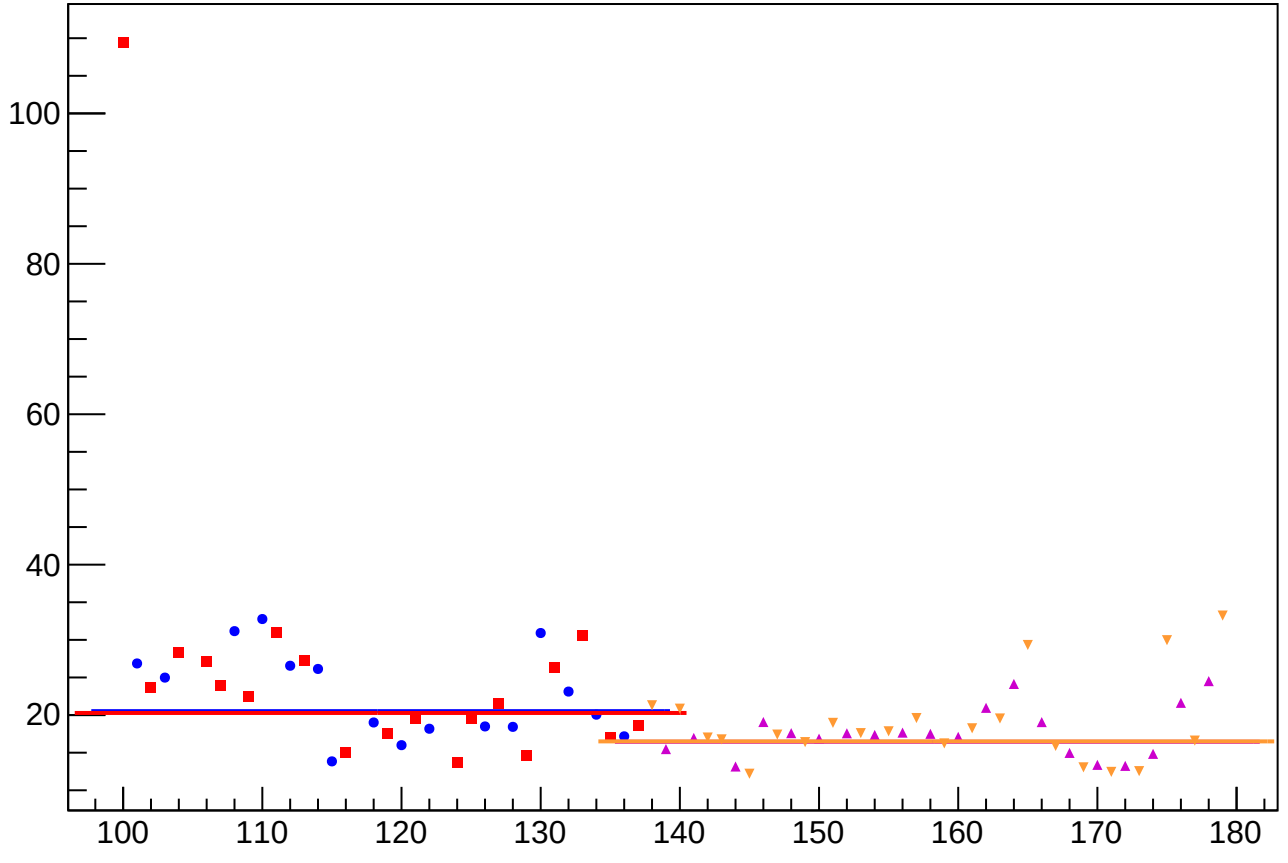
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.001+/-0.003 χ^2/NDF: 84.3/76

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.502+/-0.003 χ^2/NDF:1806154.8/21

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.448+/-0.003 χ^2/NDF:790831.6/19

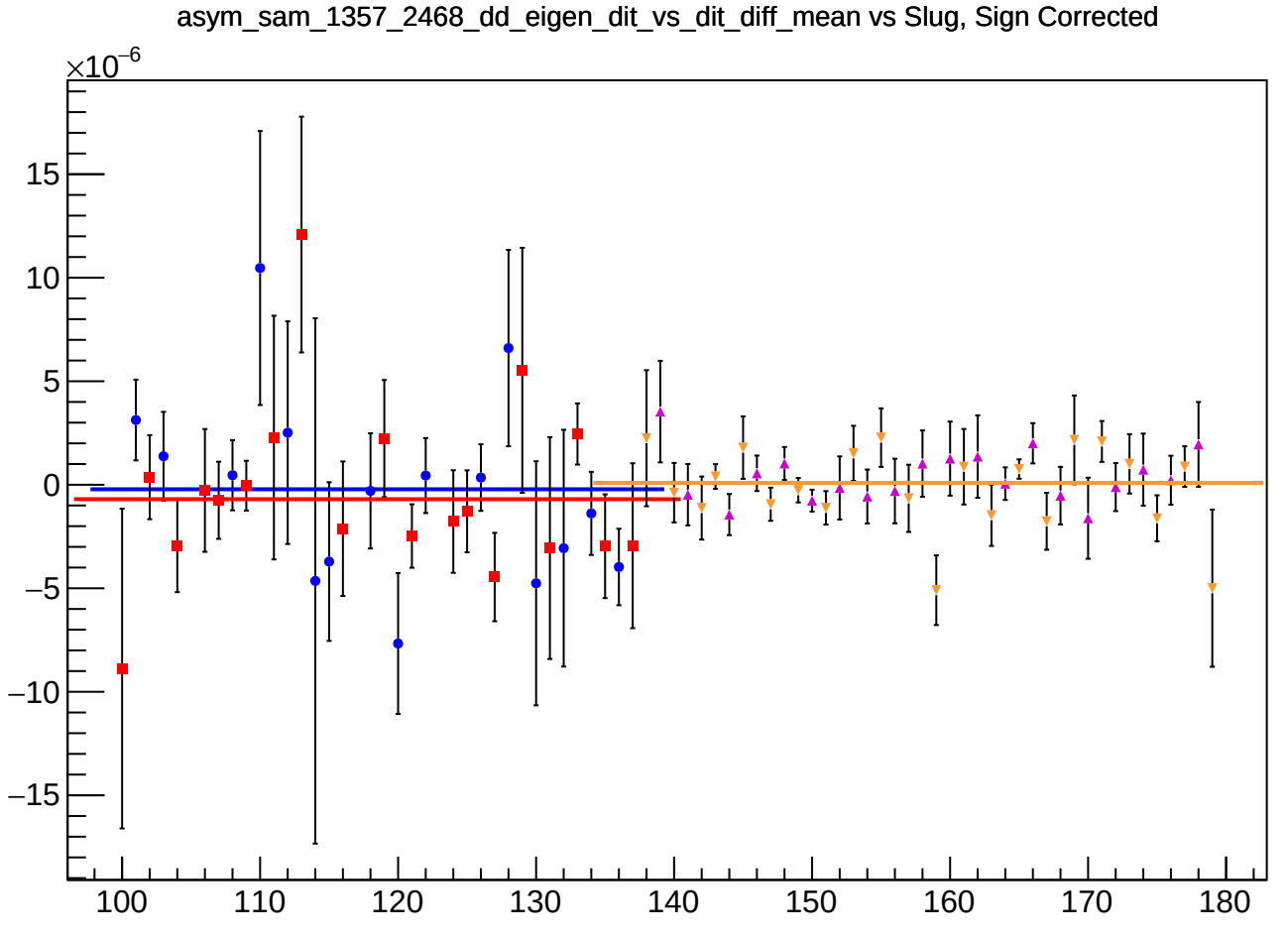
Left: 16.476+/-0.002 χ^2/NDF: 2597157.0/41

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.332+/-0.003 χ^2/NDF:1896857.0/35

Out: 17.318+/-0.003 χ^2/NDF:3030879.7/40

All: 17.325+/-0.002 χ^2/NDF: 4927750.6/76



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/19

Left: 0.000+/-0.000 χ^2/NDF: 51.8/41

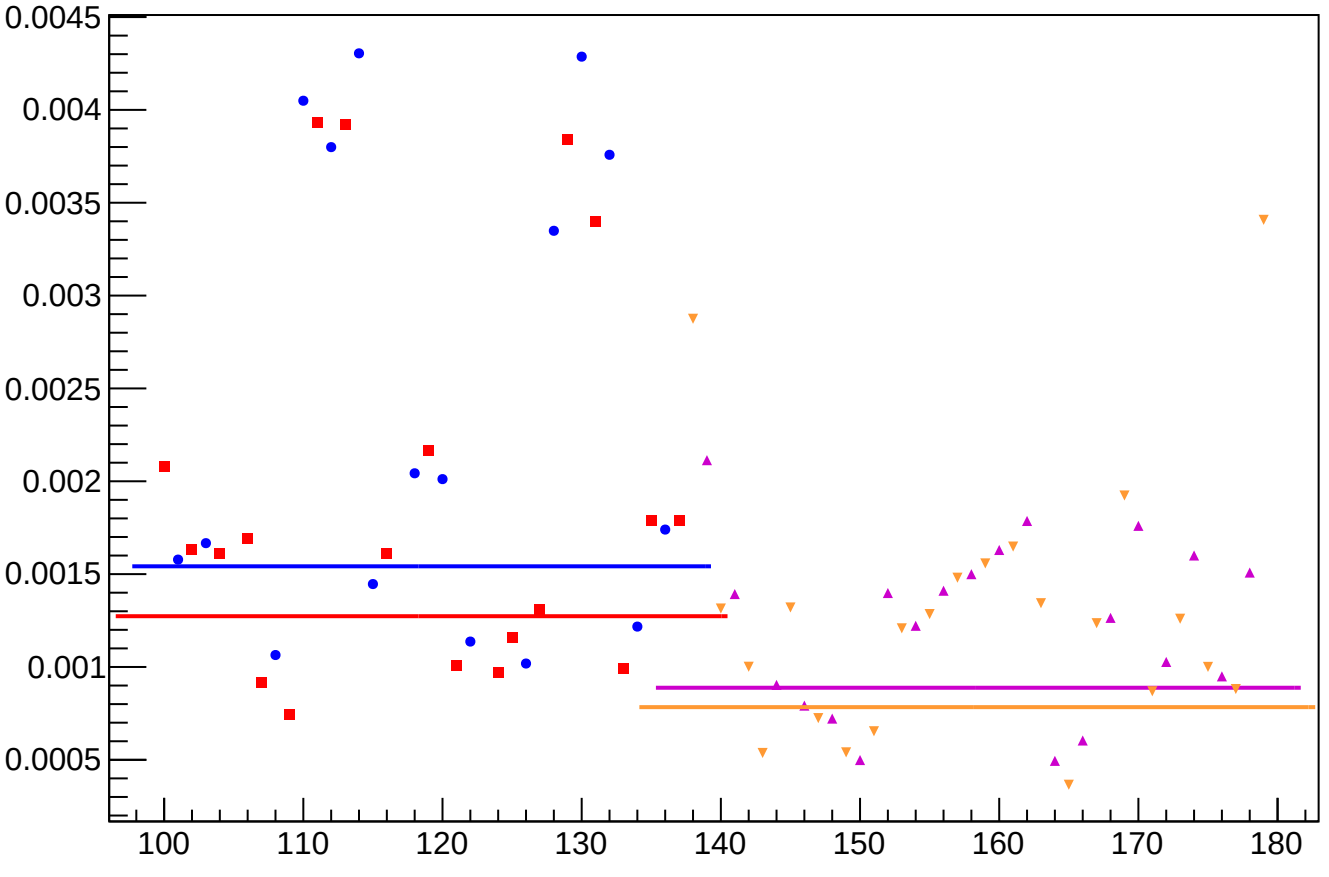
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:36.3/35

Out: -0.000+/-0.000 χ^2/NDF:58.6/40

All: 0.000+/-0.000 χ^2/NDF: 94.9/76

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:7768382.2/21

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5323156.5/19

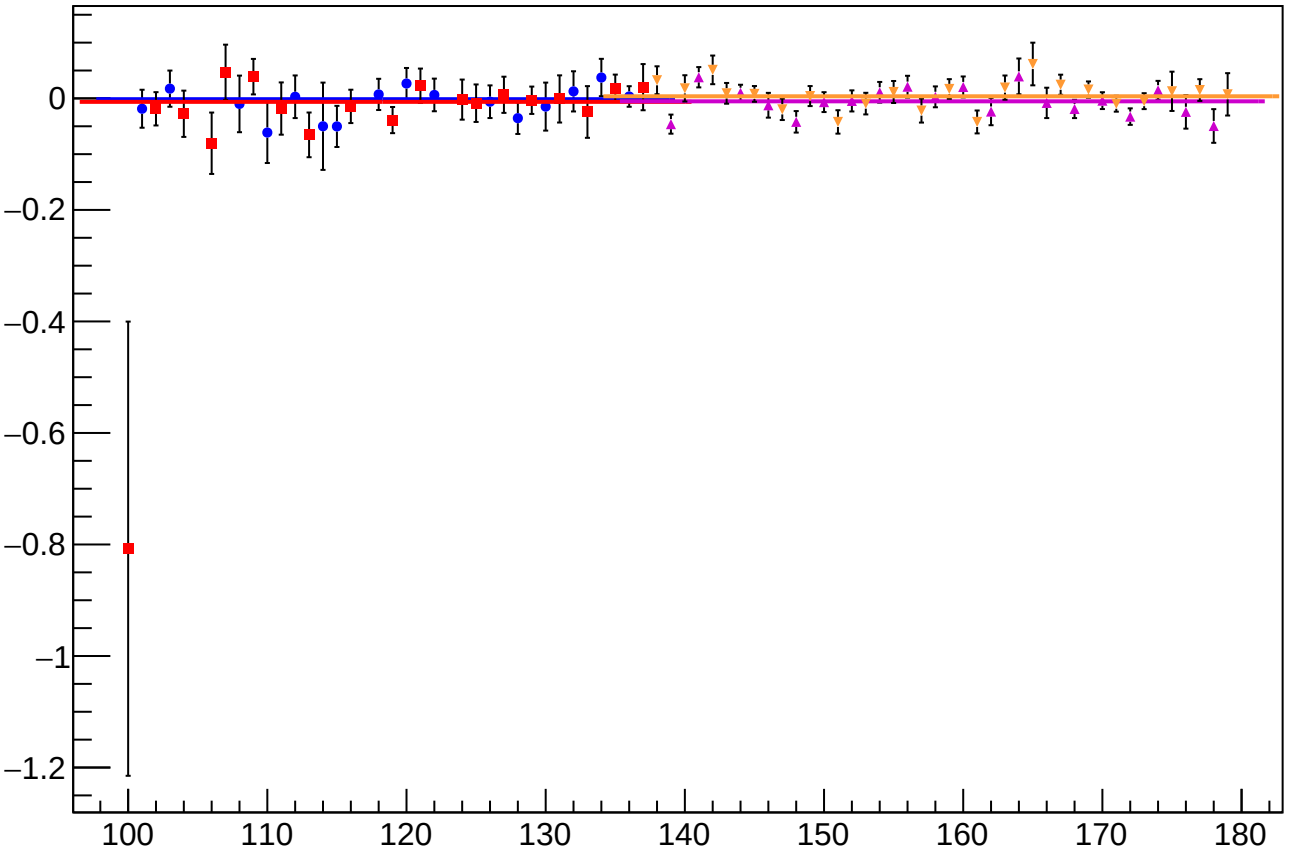
Left: 0.001+/-0.000 χ^2/NDF: 13292158.4/41

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9598610.8/35

Out: 0.001+/-0.000 χ^2/NDF:11929082.8/40

All: 0.001+/-0.000 χ^2/NDF: 21846681.1/76



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.4/41

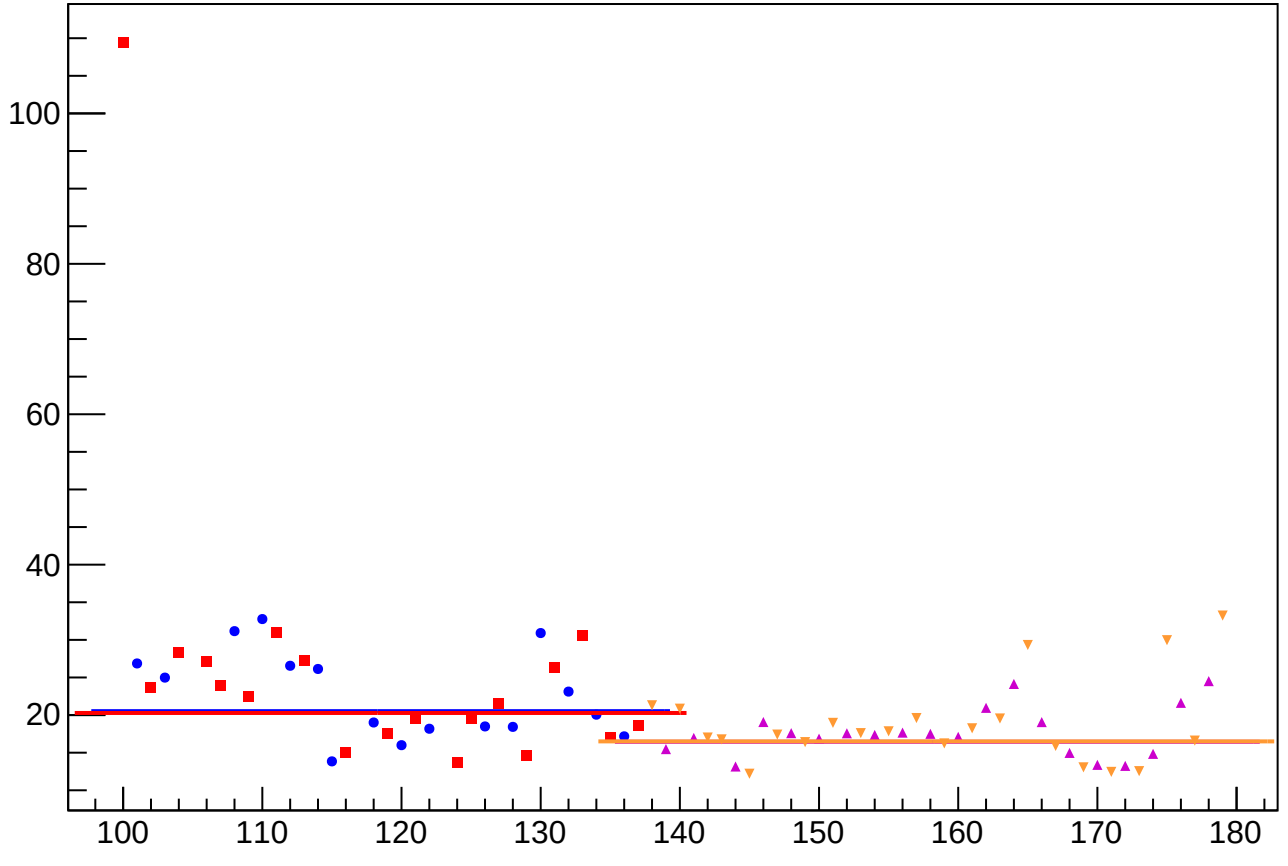
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.001+/-0.003 χ^2/NDF: 84.3/76

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.503+/-0.003 χ^2/NDF:1806150.4/21

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.448+/-0.003 χ^2/NDF:790850.6/19

Left: 16.476+/-0.002 χ^2/NDF: 2597171.9/41

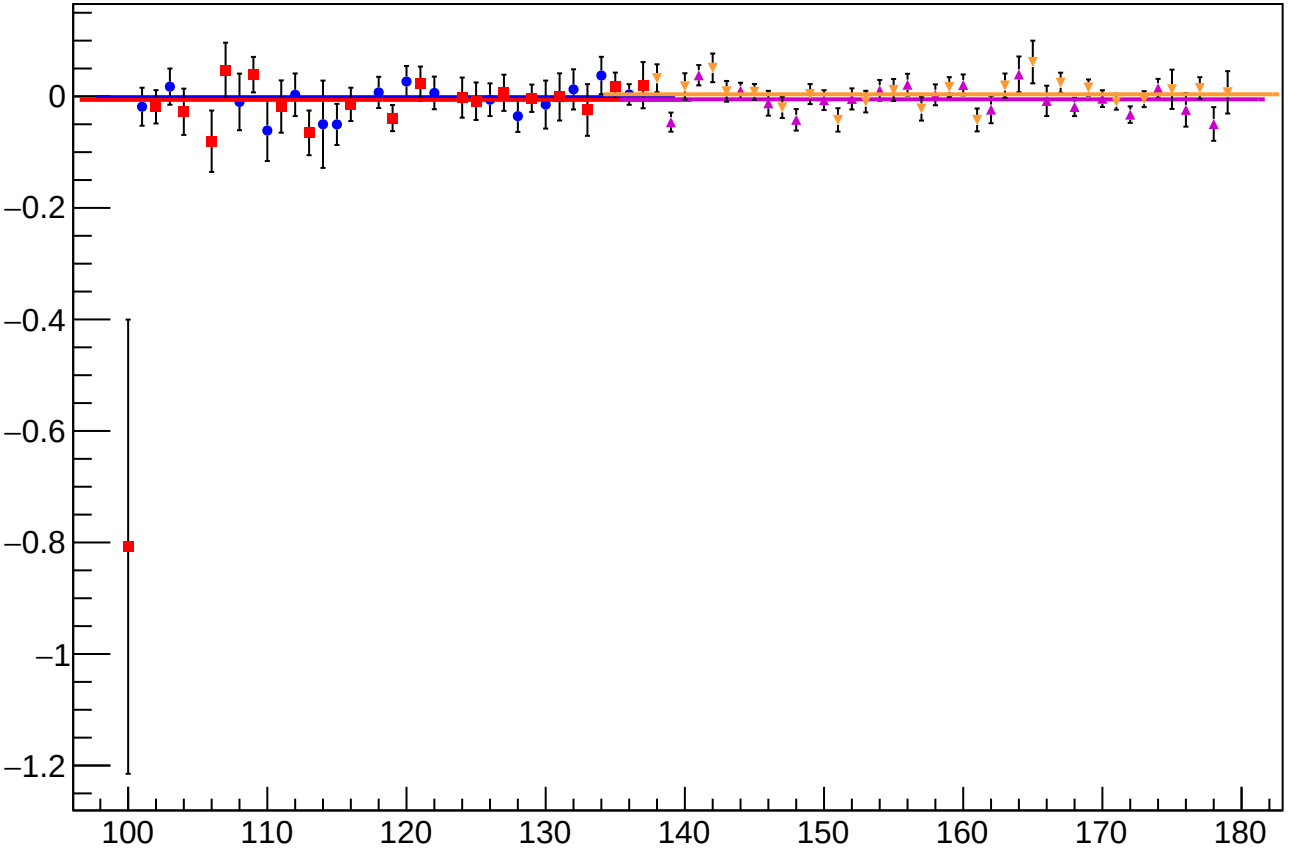
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.332+/-0.003 χ^2/NDF:1896635.6/35

Out: 17.318+/-0.003 χ^2/NDF:3030729.8/40

All: 17.325+/-0.002 χ^2/NDF: 4927379.2/76

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/21

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.4/41

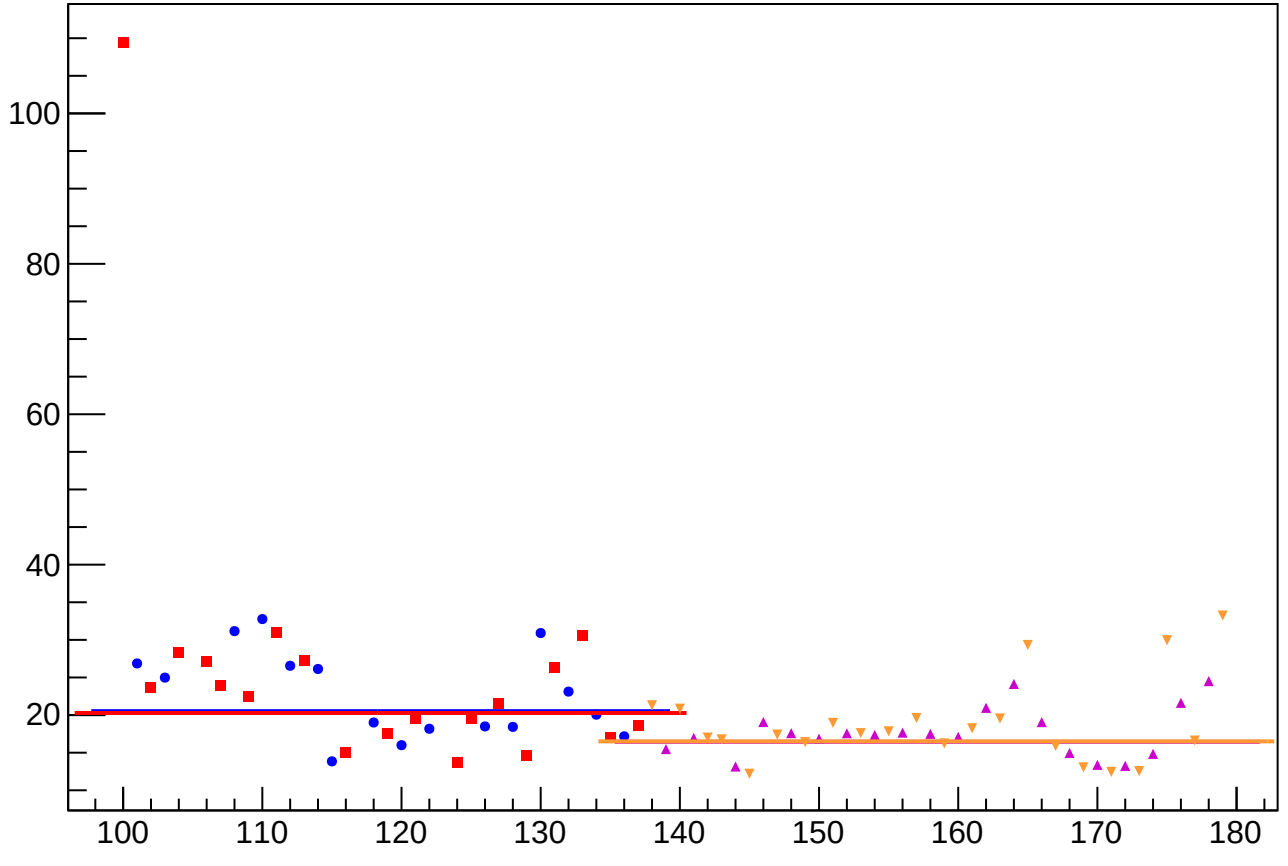
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/40

All: -0.001+/-0.003 χ^2/NDF: 84.3/76

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.503+/-0.003 χ^2/NDF:1806150.4/21

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.448+/-0.003 χ^2/NDF:790850.6/19

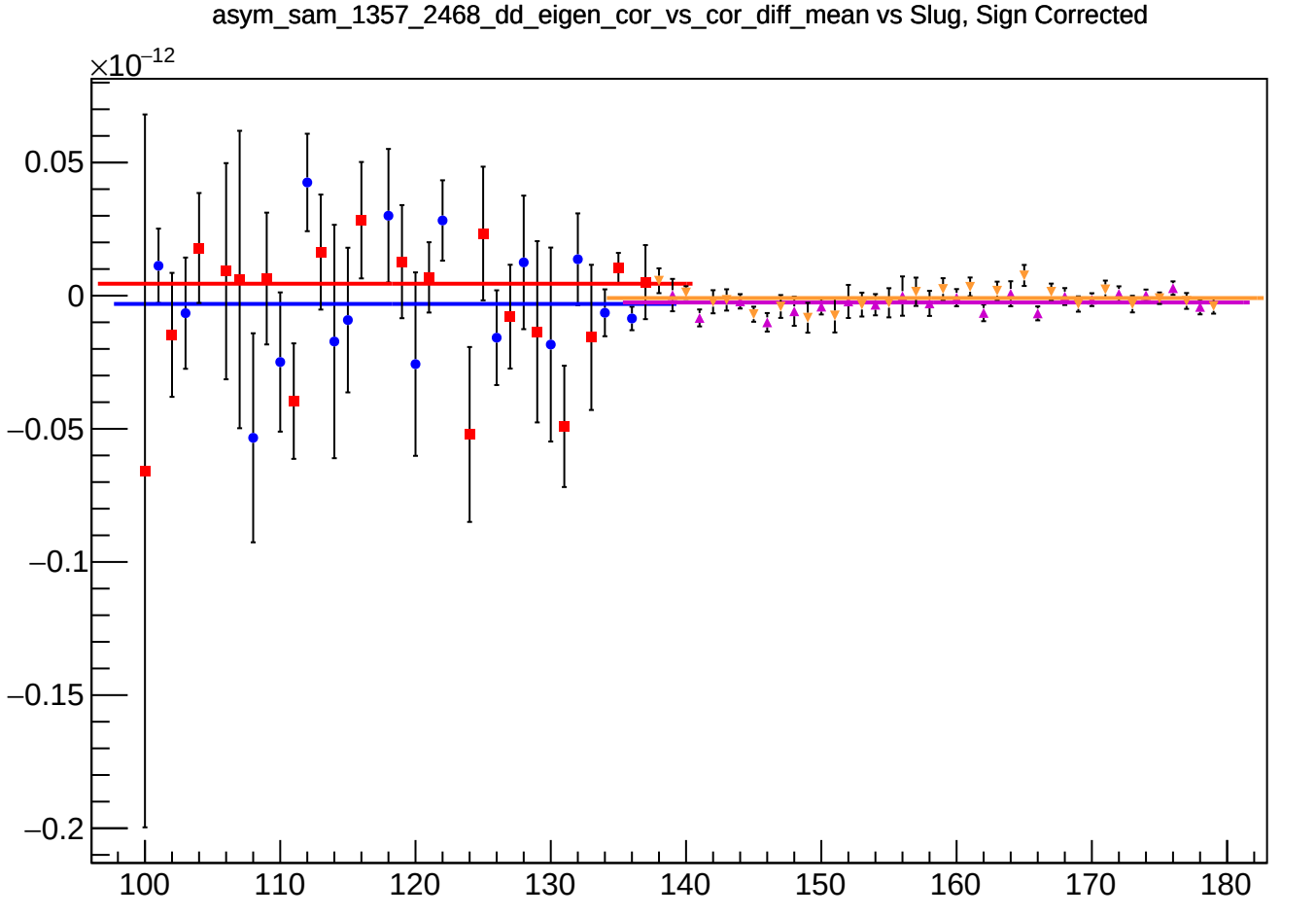
Left: 16.476+/-0.002 χ^2/NDF: 2597171.9/41

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.332+/-0.003 χ^2/NDF:1896635.6/35

Out: 17.318+/-0.003 χ^2/NDF:3030729.8/40

All: 17.325+/-0.002 χ^2/NDF: 4927379.2/76



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/21

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:22.2/19

Left: -0.000+/-0.000 χ^2/NDF: 47.5/41

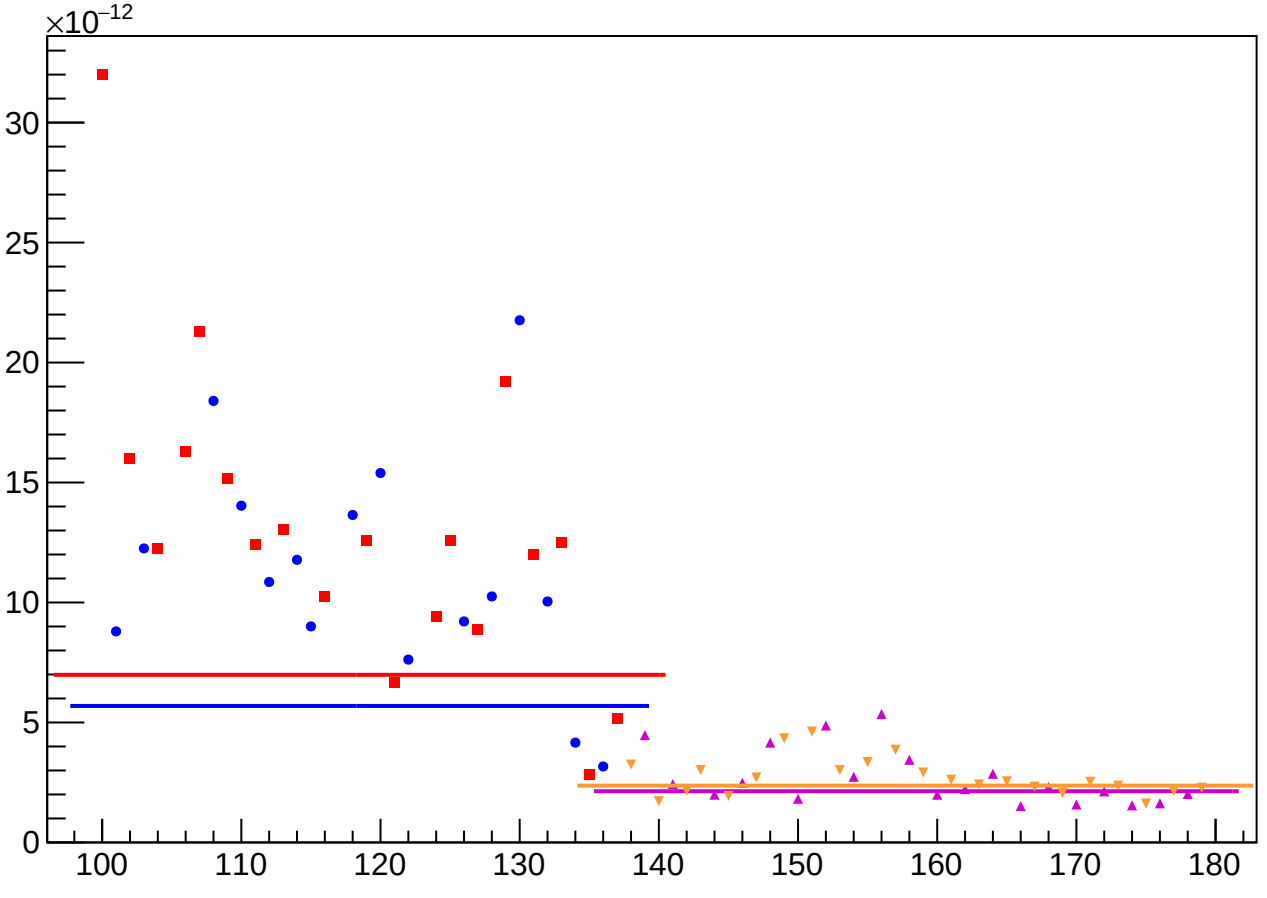
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:42.2/35

Out: -0.000+/-0.000 χ^2/NDF:43.1/40

All: -0.000+/-0.000 χ^2/NDF: 88.8/76

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425642.4/21

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2115475.4/19

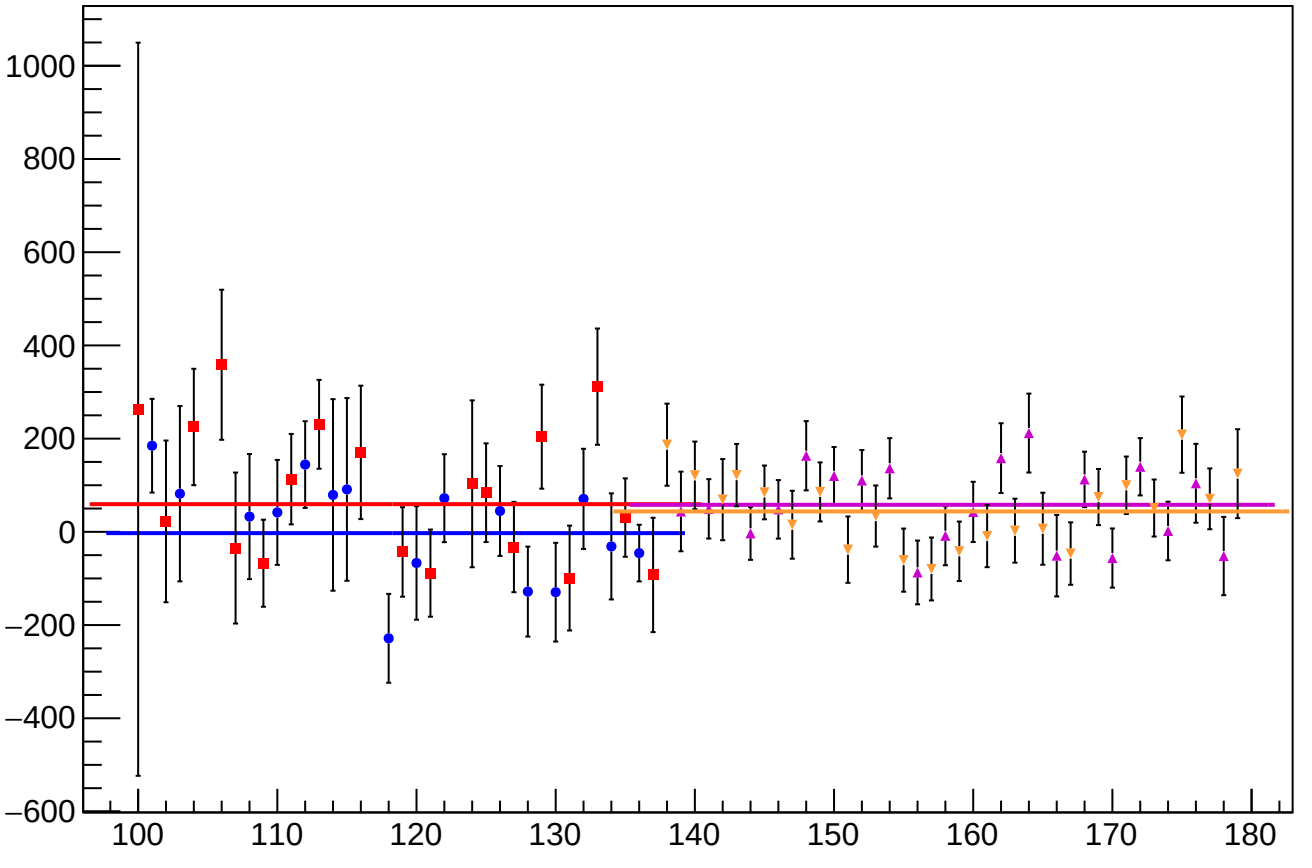
Left: 0.000+/-0.000 χ^2/NDF: 3644709.5/41

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:7093859.7/35

Out: 0.000+/-0.000 χ^2/NDF:7289054.9/40

All: 0.000+/-0.000 χ^2/NDF: 14486898.7/76



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.815+/-14.660 χ^2/NDF:24.3/21

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 57.988+/-15.173 χ^2/NDF:27.3/19

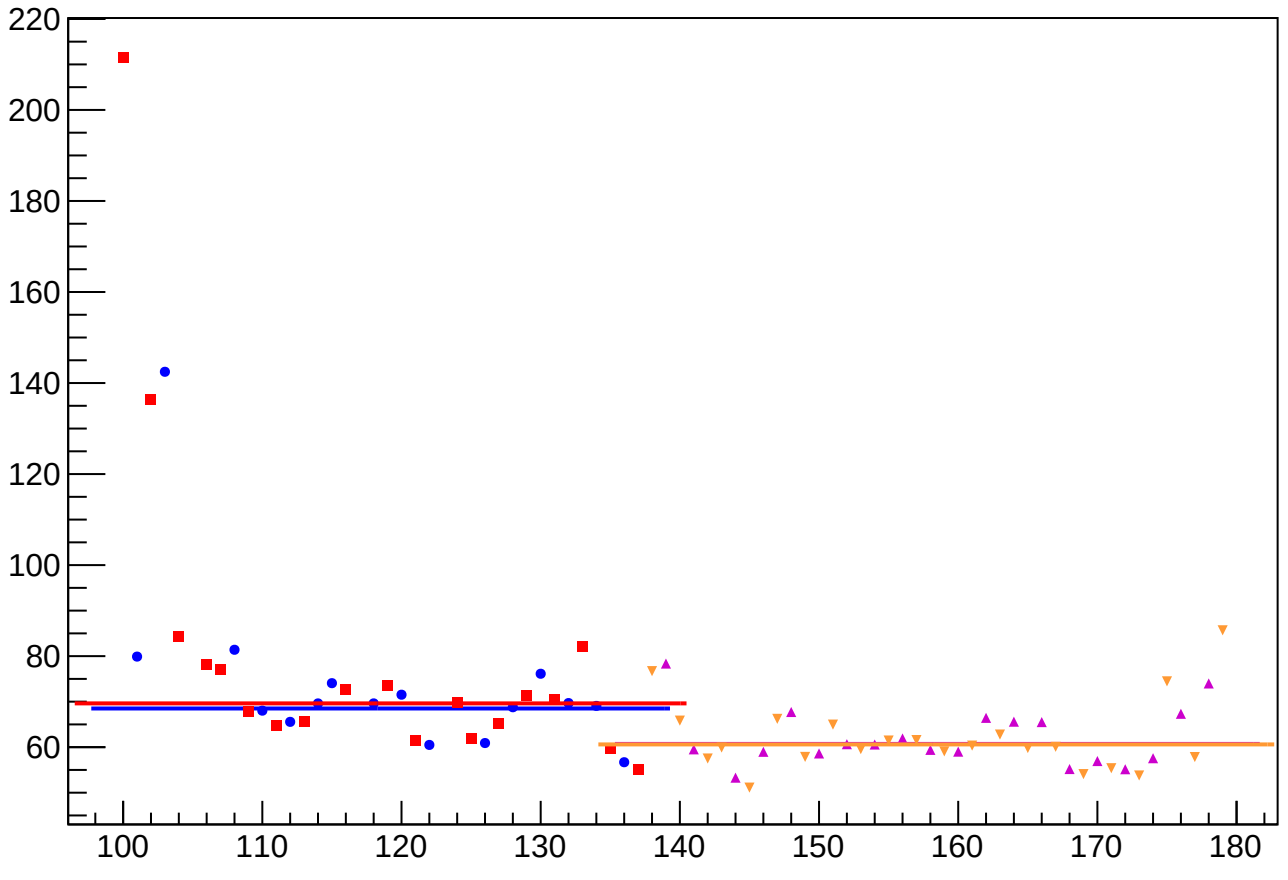
Left: 50.658+/-10.543 χ^2/NDF: 52.1/41

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 42.742+/-13.132 χ^2/NDF:49.0/35

Out: 47.480+/-12.815 χ^2/NDF:50.3/40

All: 45.168+/-9.171 χ^2/NDF: 99.4/76



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

Left: 60.658+/-0.007 χ^2/NDF: 700908.8/41

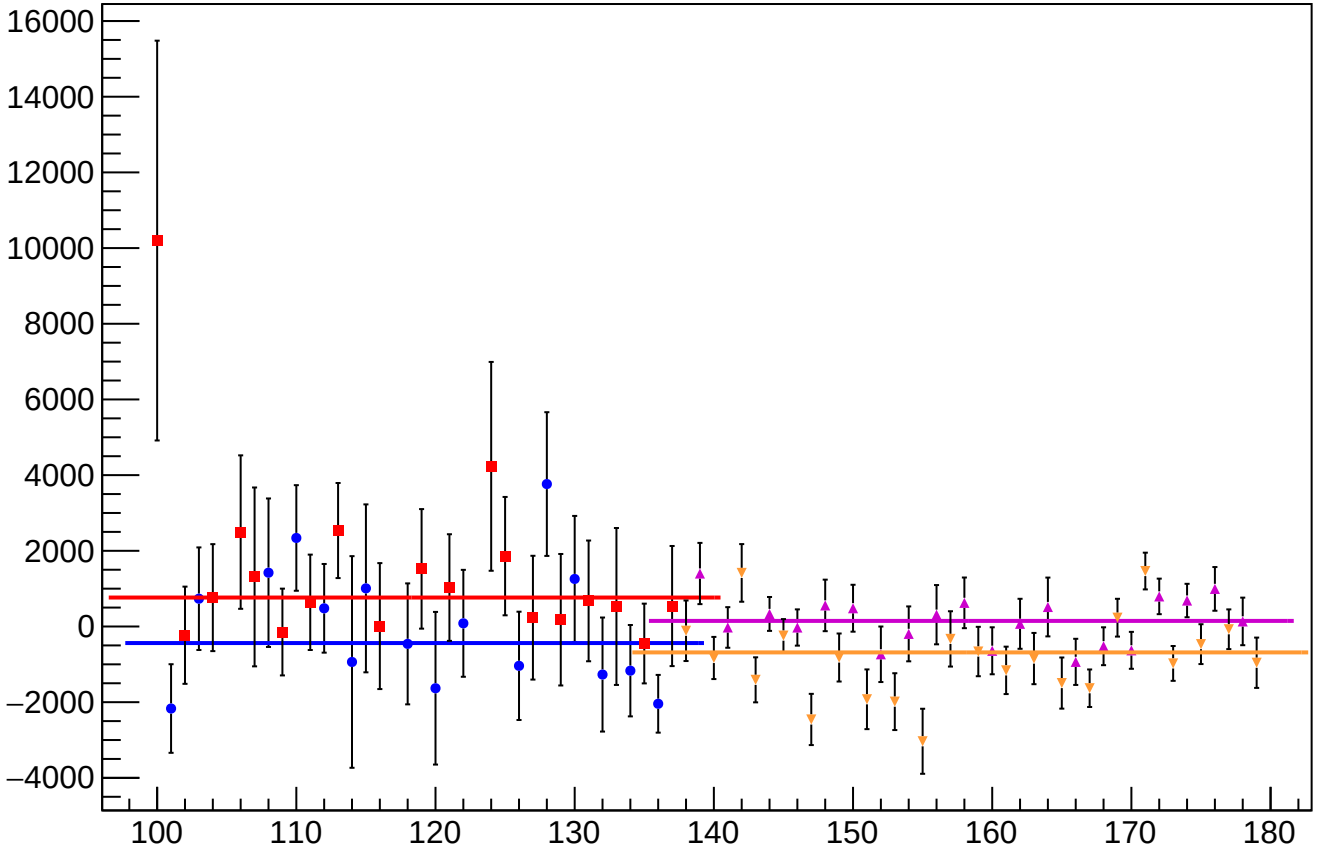
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.667+/-0.009 χ^2/NDF:880908.0/35

Out: 62.733+/-0.009 χ^2/NDF:1122760.4/40

All: 62.700+/-0.006 χ^2/NDF: 2003694.2/76

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -684.701+/-127.332 χ^2/NDF:61.6/21

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 147.739+/-129.819 χ^2/NDF:20.5/19

Left: -276.531+/-90.904 χ^2/NDF: 103.1/41

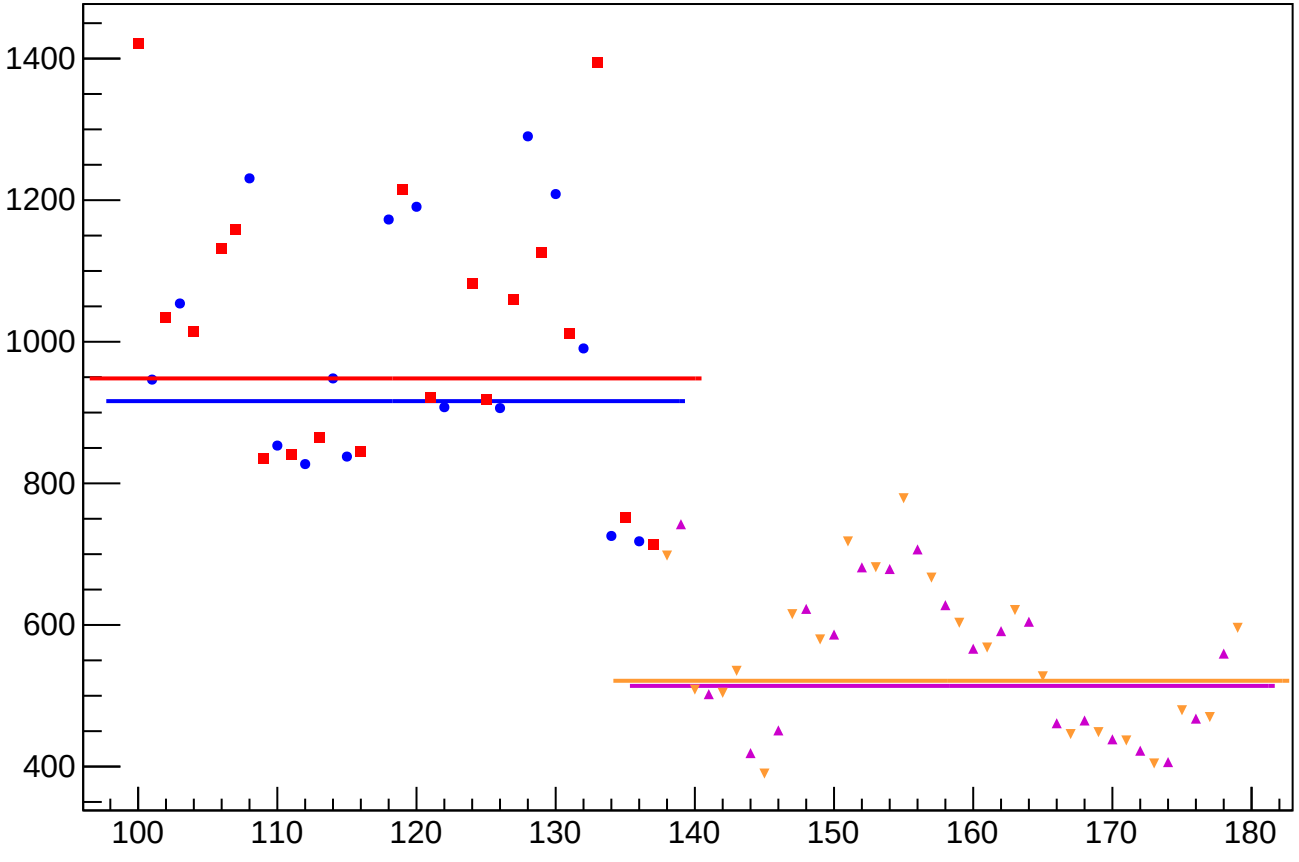
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 76.568+/-121.669 χ^2/NDF:43.6/35

Out: -517.795+/-119.780 χ^2/NDF:87.8/40

All: -225.263+/-85.357 χ^2/NDF: 143.5/76

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233086.9/21

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 513.940+/-0.092 χ^2/NDF:1118771.8/19

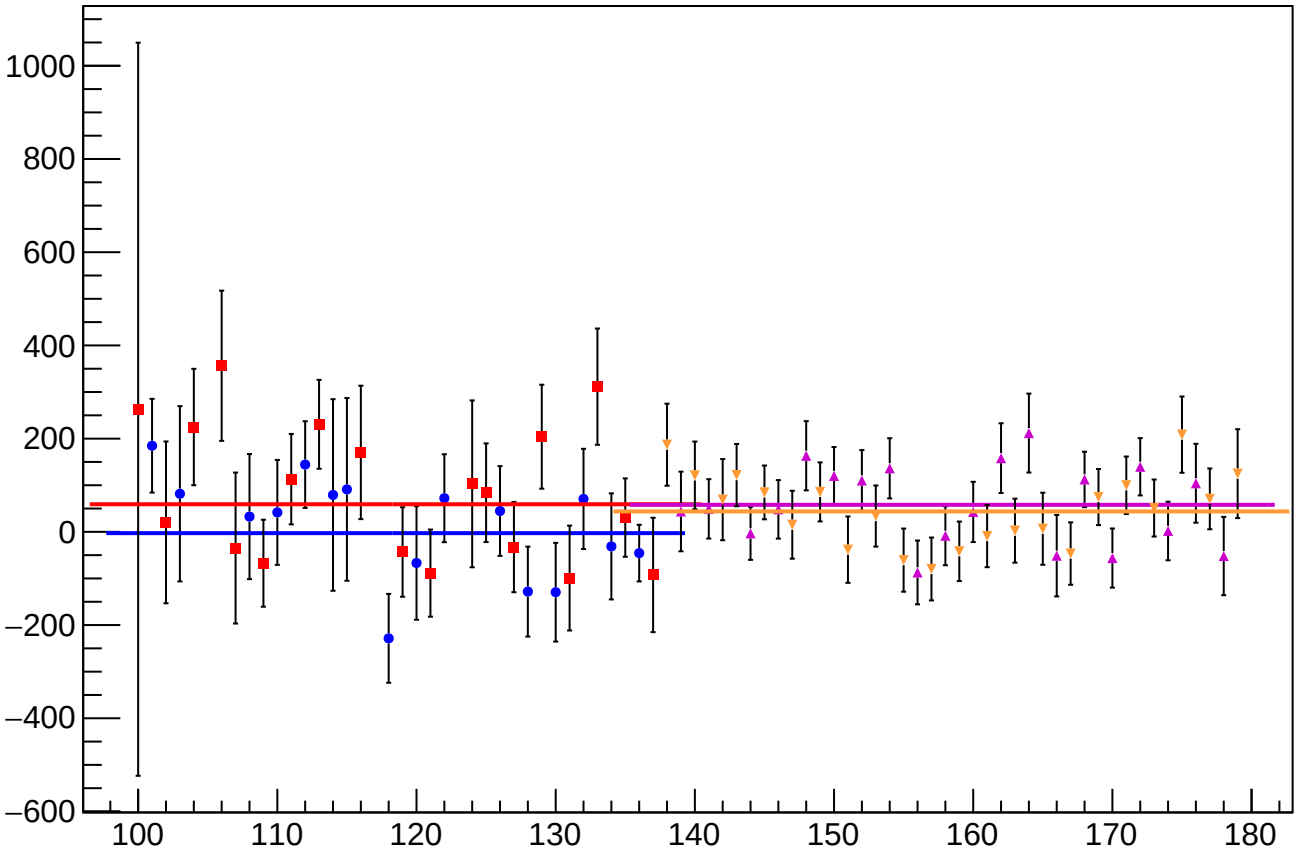
Left: 517.624+/-0.064 χ^2/NDF: 2355019.0/41

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 562.859+/-0.086 χ^2/NDF:3963031.2/35

Out: 570.325+/-0.085 χ^2/NDF:4237905.9/40

All: 566.651+/-0.060 χ^2/NDF: 8204761.4/76



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 57.988+/-15.173 χ^2/NDF:27.3/19

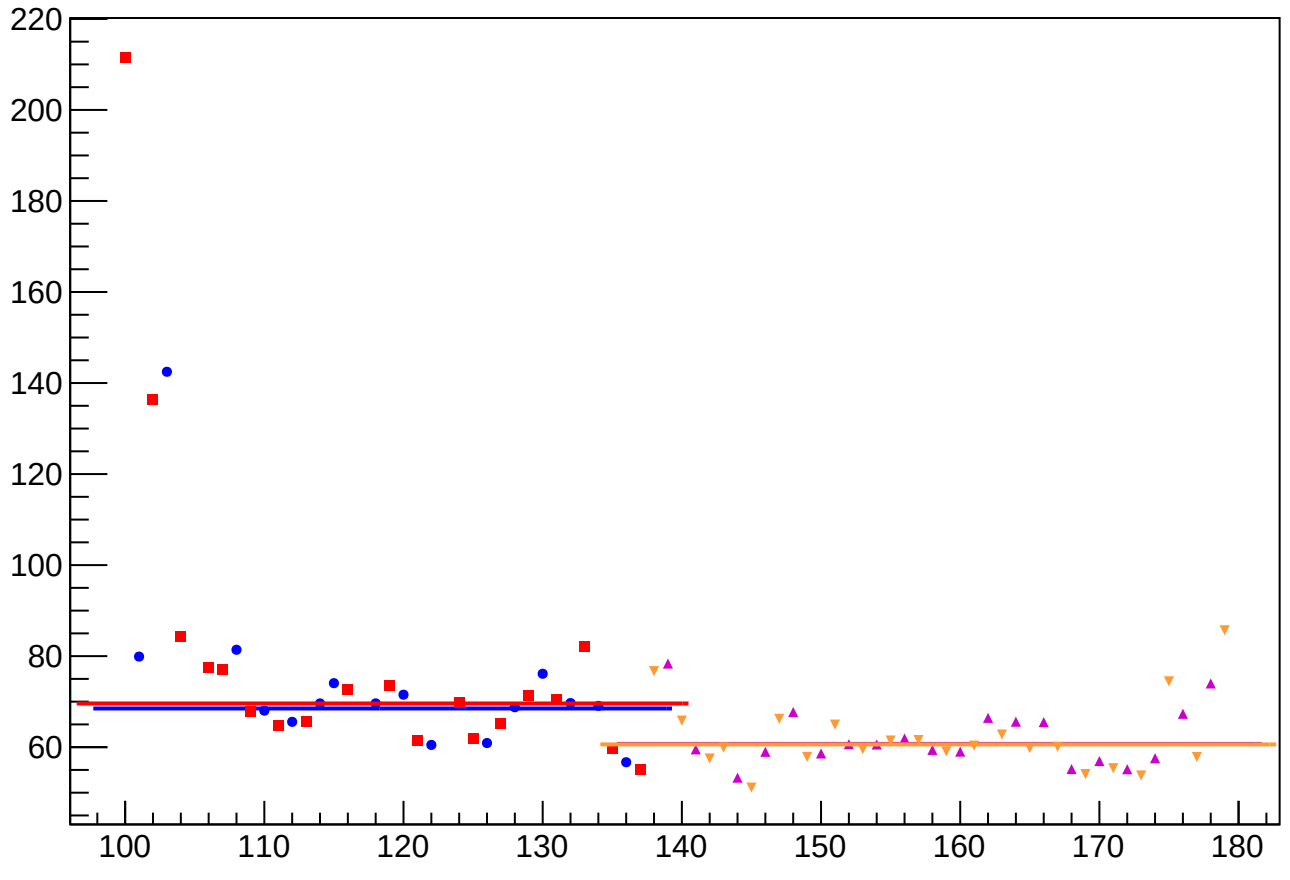
Left: 50.659+/-10.543 χ^2/NDF: 52.1/41

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 42.740+/-13.132 χ^2/NDF:49.0/35

Out: 47.453+/-12.815 χ^2/NDF:50.2/40

All: 45.154+/-9.171 χ^2/NDF: 99.3/76



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

Left: 60.658+/-0.007 χ^2/NDF: 700908.8/41

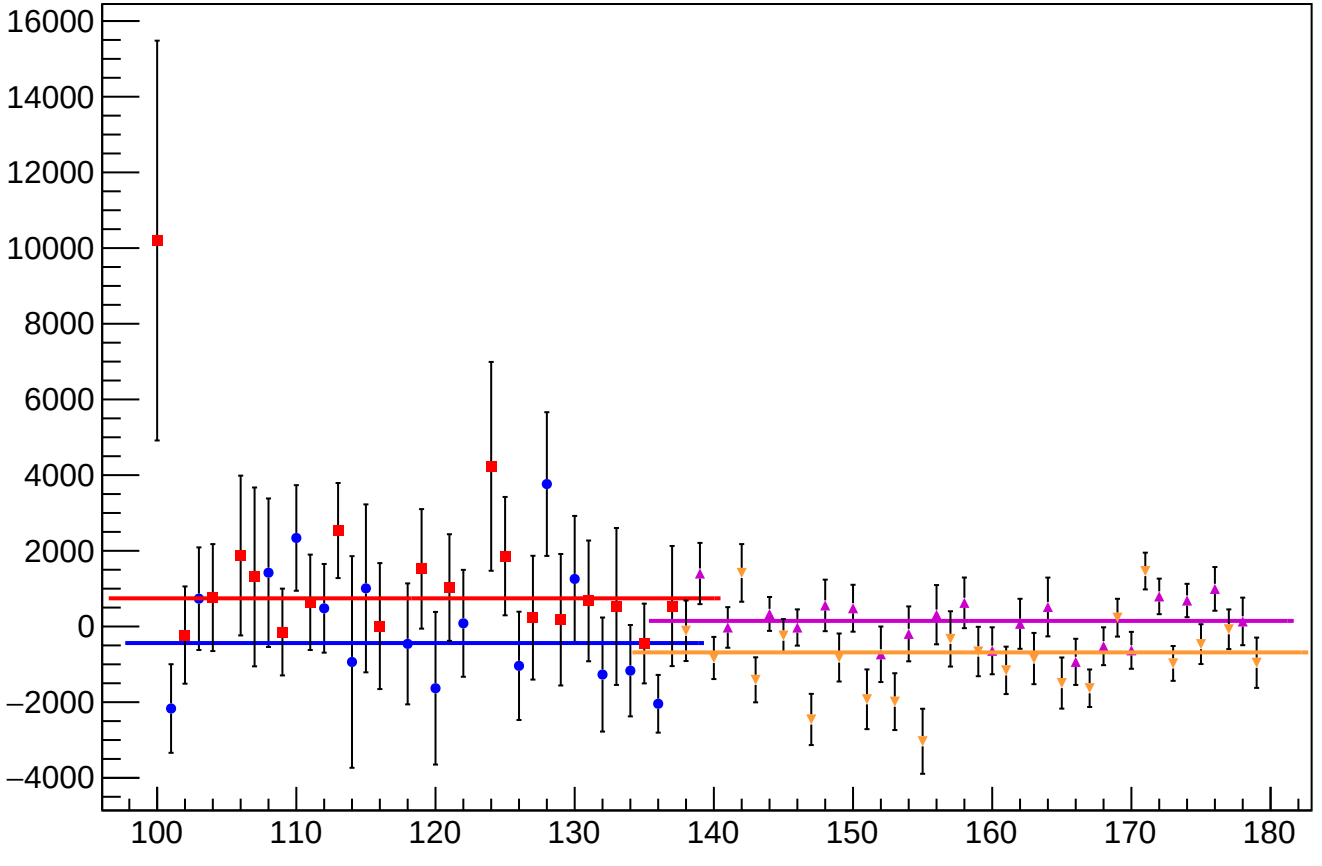
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.667+/-0.009 χ^2/NDF:880911.0/35

Out: 62.728+/-0.009 χ^2/NDF:1121373.2/40

All: 62.698+/-0.006 χ^2/NDF: 2002306.4/76

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -684.696+/-127.332 χ^2/NDF:61.6/21

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 147.740+/-129.819 χ^2/NDF:20.5/19

Left: -276.528+/-90.904 χ^2/NDF: 103.1/41

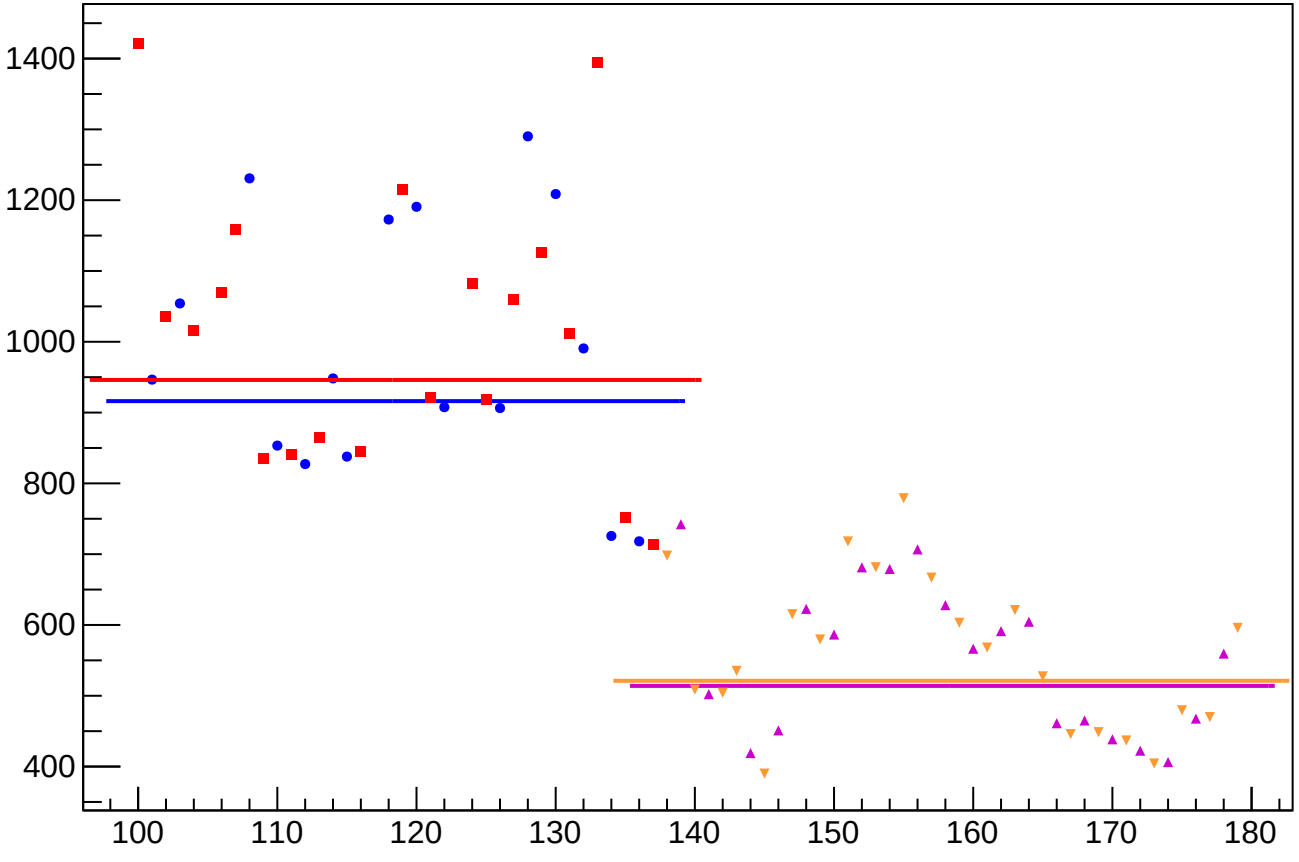
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 76.573+/-121.669 χ^2/NDF:43.6/35

Out: -520.561+/-119.797 χ^2/NDF:86.9/40

All: -226.624+/-85.363 χ^2/NDF: 142.7/76

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233091.1/21

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.940+/-0.092 χ^2/NDF:1118770.5/19

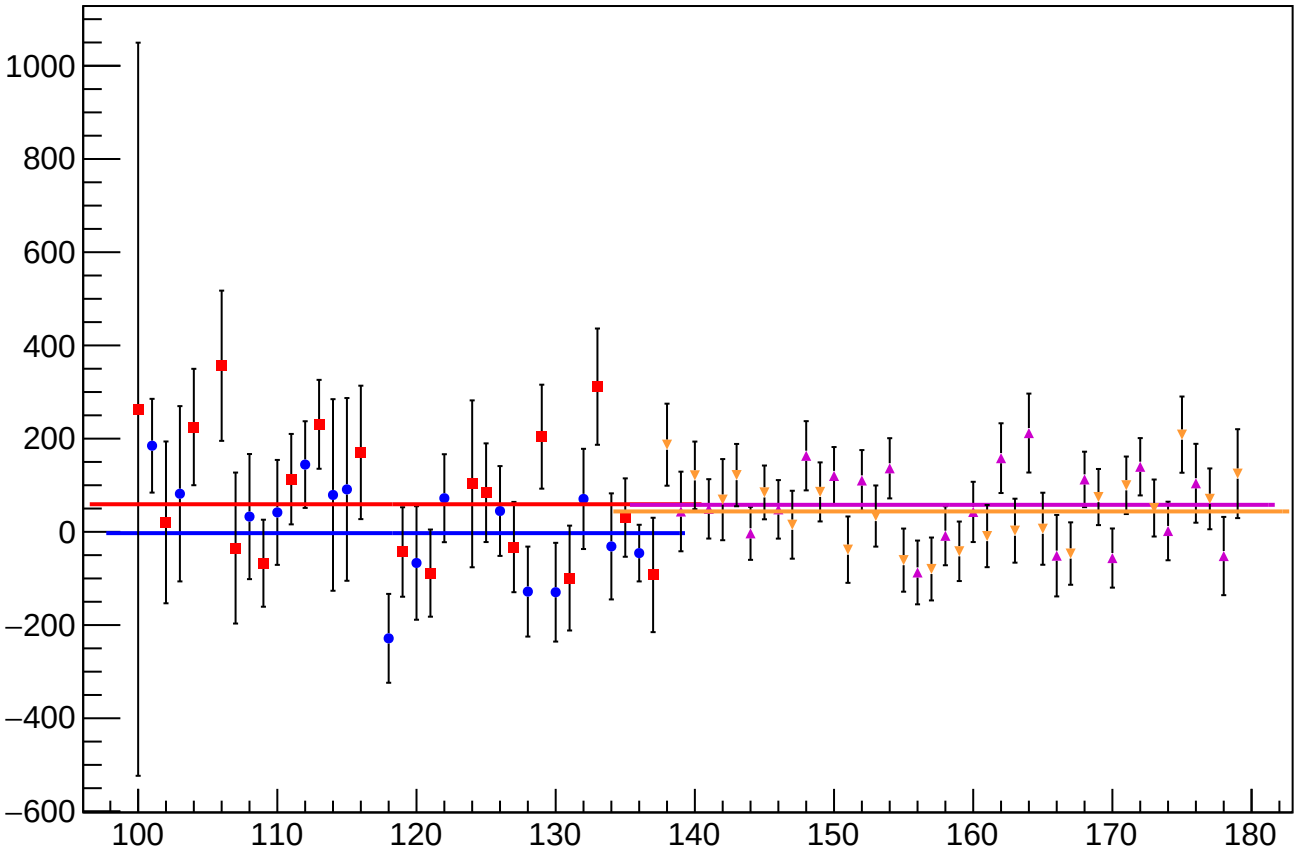
Left: 517.624+/-0.064 χ^2/NDF: 2355021.6/41

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.859+/-0.086 χ^2/NDF:3963074.1/35

Out: 569.972+/-0.085 χ^2/NDF:4196619.1/40

All: 566.471+/-0.060 χ^2/NDF: 8163163.1/76



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 43.818+/-14.660 χ^2/NDF:24.3/21

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 57.988+/-15.173 χ^2/NDF:27.3/19

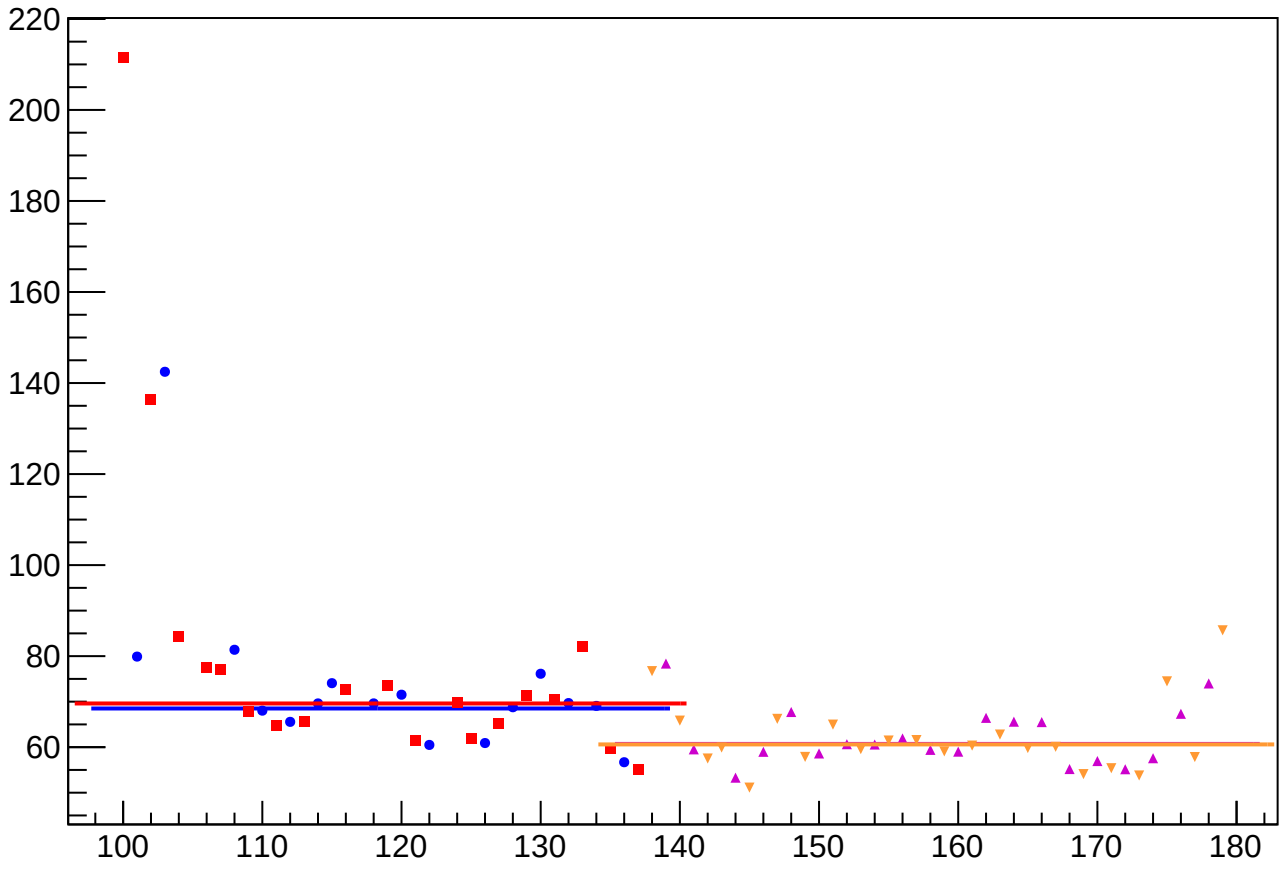
Left: 50.659+/-10.543 χ^2/NDF: 52.1/41

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 42.740+/-13.132 χ^2/NDF:49.0/35

Out: 47.453+/-12.815 χ^2/NDF:50.2/40

All: 45.154+/-9.171 χ^2/NDF: 99.3/76



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.606+/-0.010 χ^2/NDF:423975.6/21

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.713+/-0.011 χ^2/NDF:276881.9/19

Left: 60.658+/-0.007 χ^2/NDF: 700908.8/41

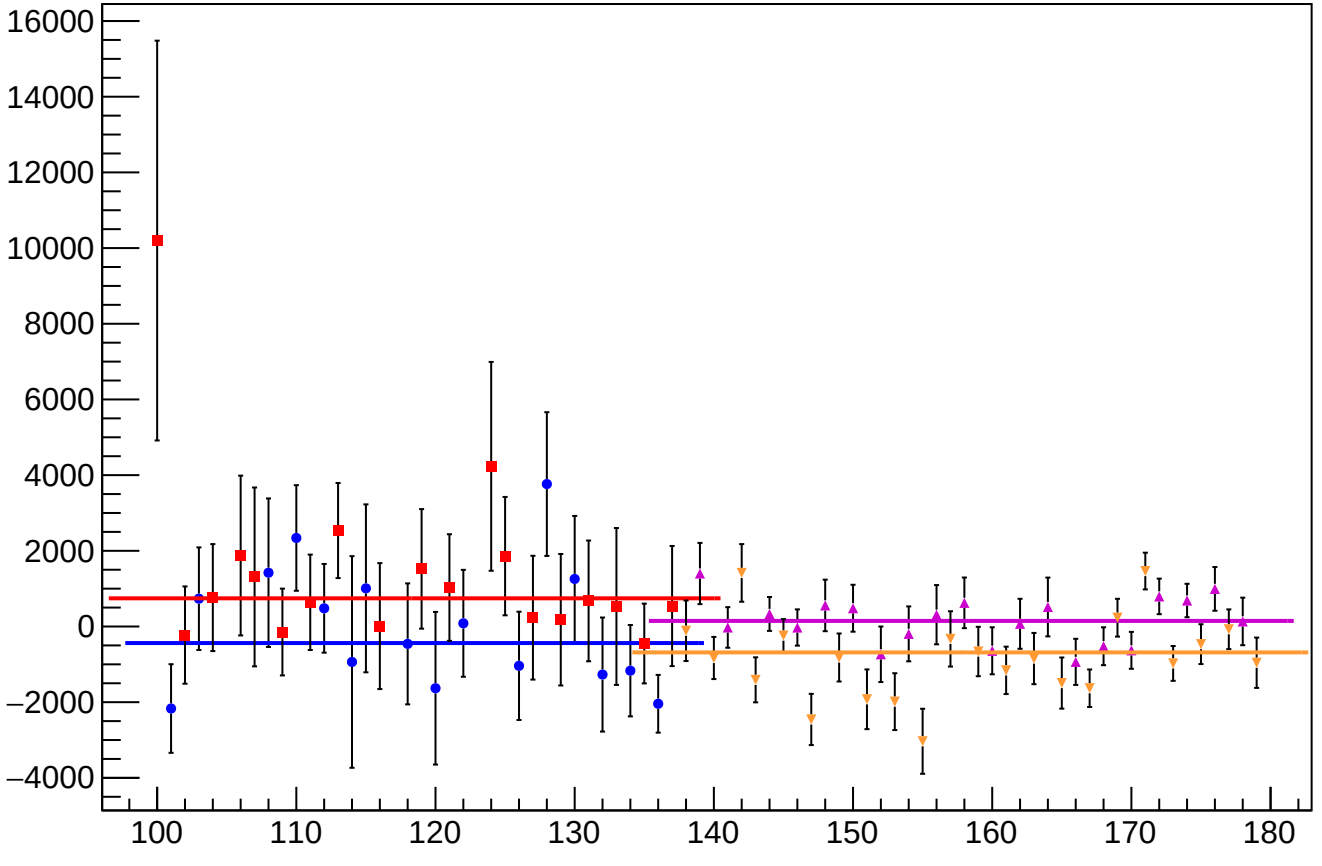
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.667+/-0.009 χ^2/NDF:880911.0/35

Out: 62.728+/-0.009 χ^2/NDF:1121373.2/40

All: 62.698+/-0.006 χ^2/NDF: 2002306.4/76

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -684.696+/-127.332 χ^2/NDF:61.6/21

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 147.740+/-129.819 χ^2/NDF:20.5/19

Left: -276.528+/-90.904 χ^2/NDF: 103.1/41

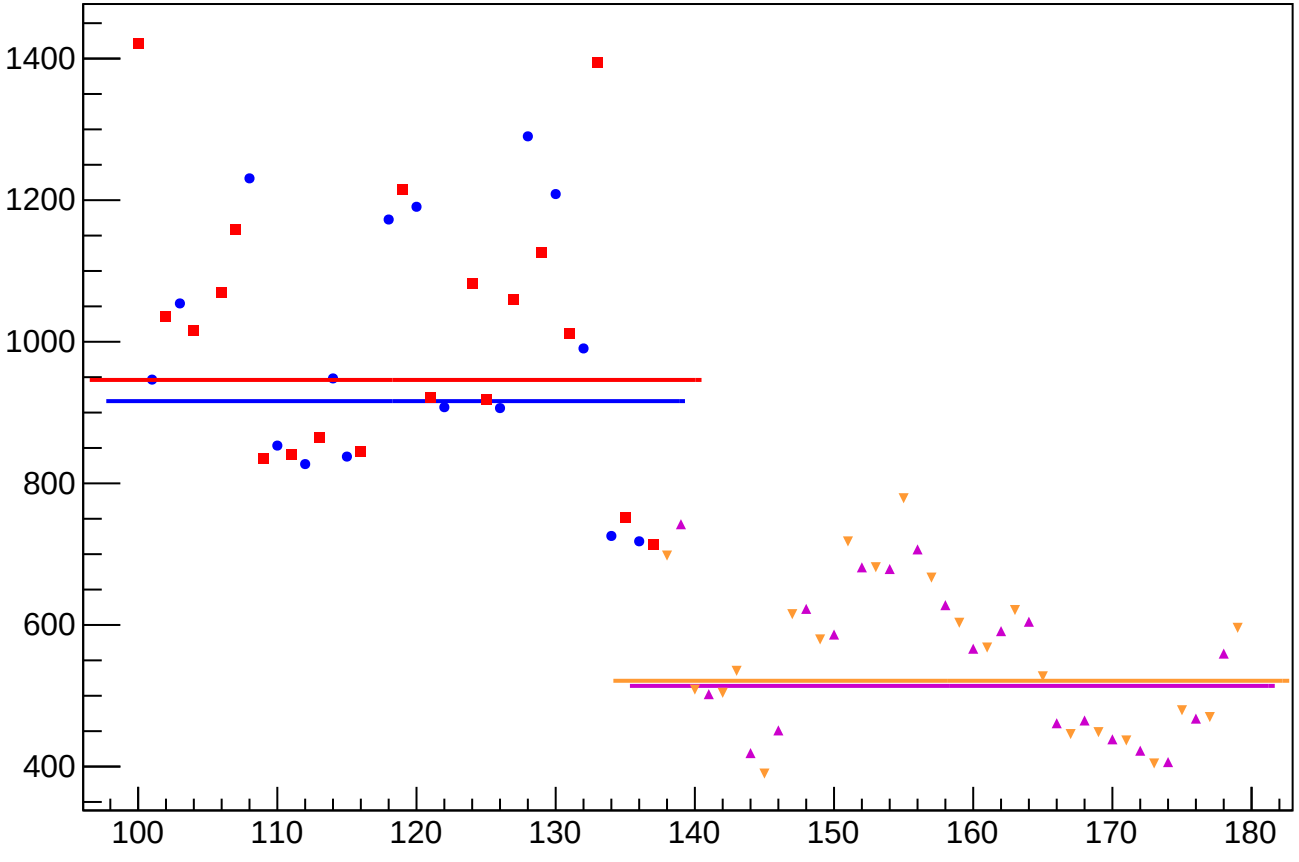
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 76.573+/-121.669 χ^2/NDF:43.6/35

Out: -520.561+/-119.797 χ^2/NDF:86.9/40

All: -226.624+/-85.363 χ^2/NDF: 142.7/76

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 521.168+/-0.090 χ^2/NDF:1233091.1/21

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.940+/-0.092 χ^2/NDF:1118770.5/19

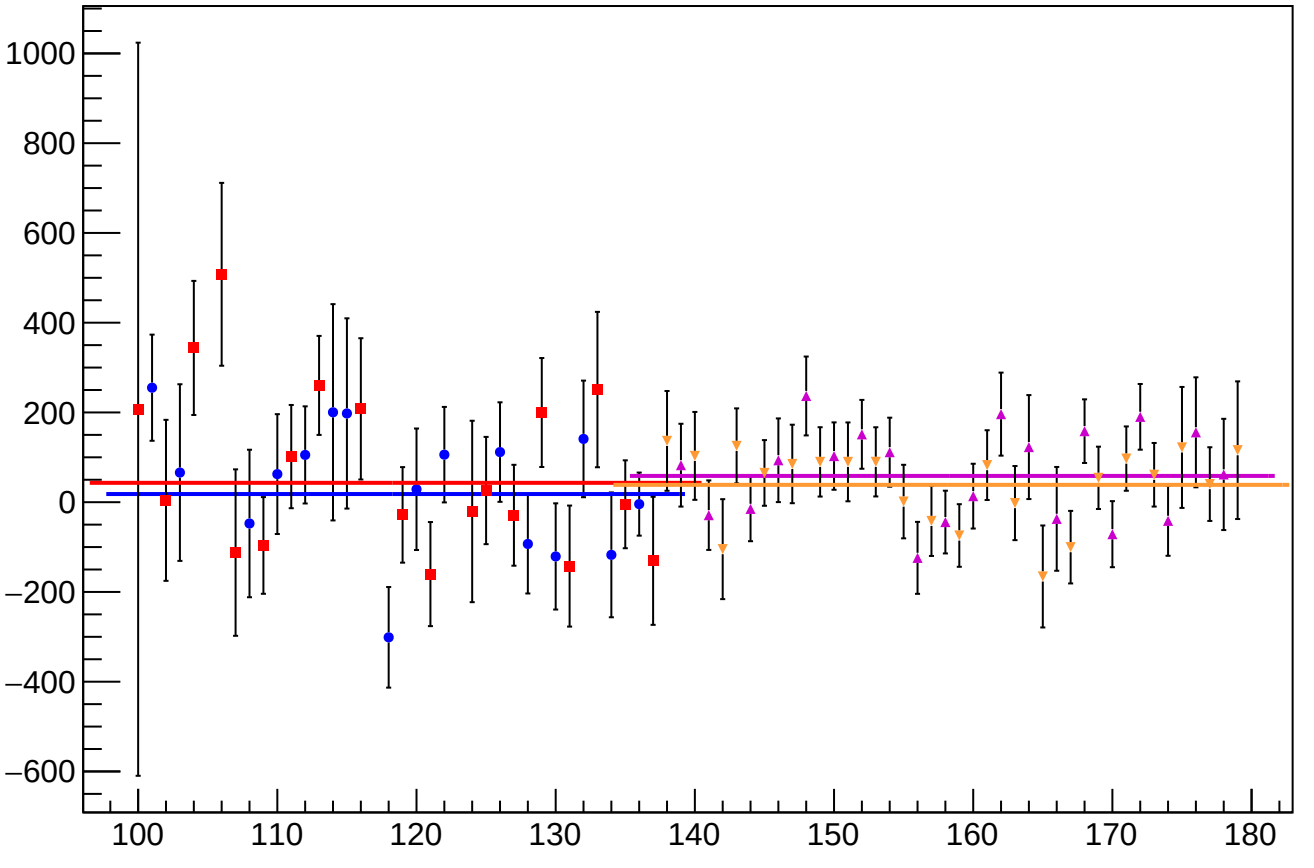
Left: 517.624+/-0.064 χ^2/NDF: 2355021.6/41

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.859+/-0.086 χ^2/NDF:3963074.1/35

Out: 569.972+/-0.085 χ^2/NDF:4196619.1/40

All: 566.471+/-0.060 χ^2/NDF: 8163163.1/76



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 58.553+/-18.498 χ^2/NDF:30.5/19

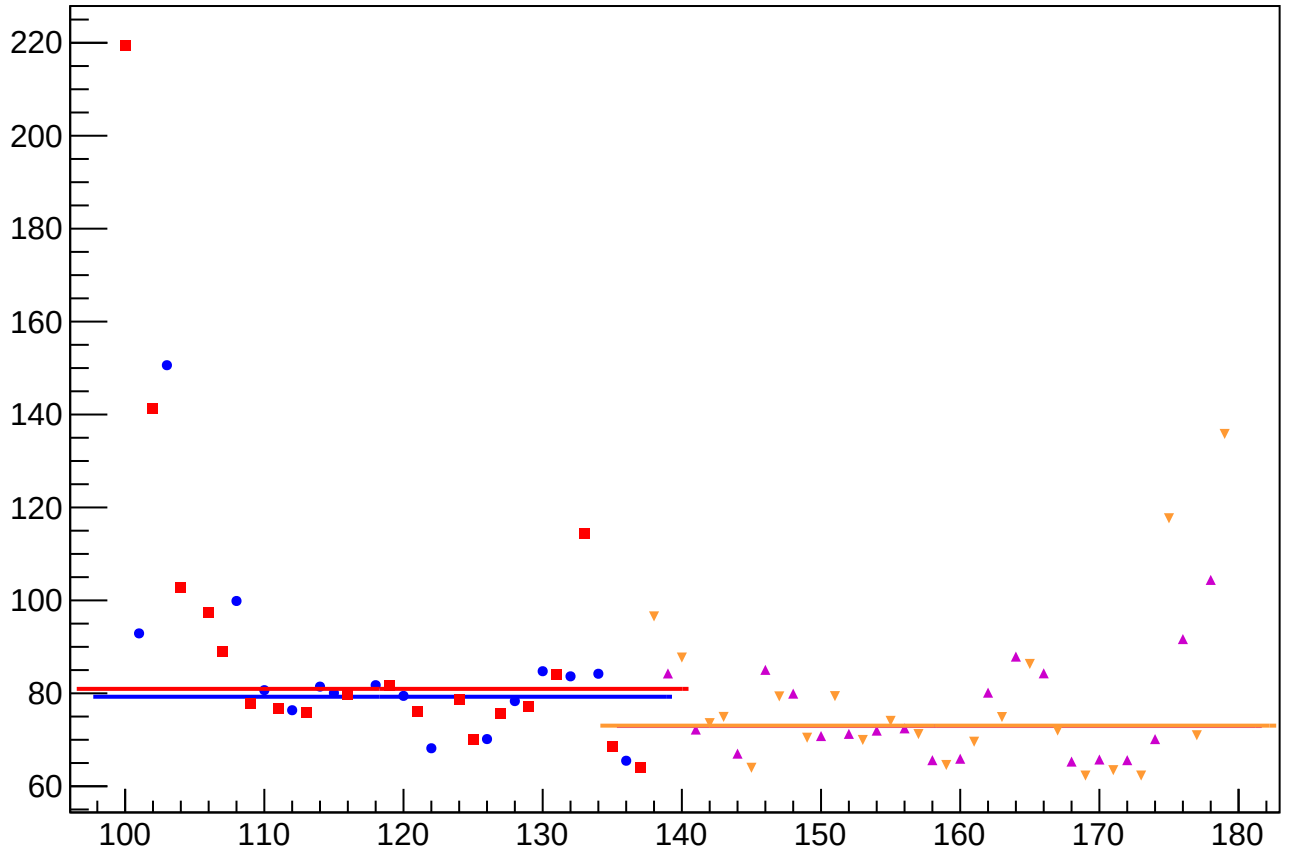
Left: 48.302+/-12.886 χ^2/NDF: 48.7/41

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 47.615+/-15.795 χ^2/NDF:51.9/35

Out: 39.786+/-15.503 χ^2/NDF:45.4/40

All: 43.627+/-11.064 χ^2/NDF: 97.4/76



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.043+/-0.013 χ^2/NDF:940859.3/21

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.962+/-0.013 χ^2/NDF:439381.4/19

Left: 73.004+/-0.009 χ^2/NDF: 1380260.6/41

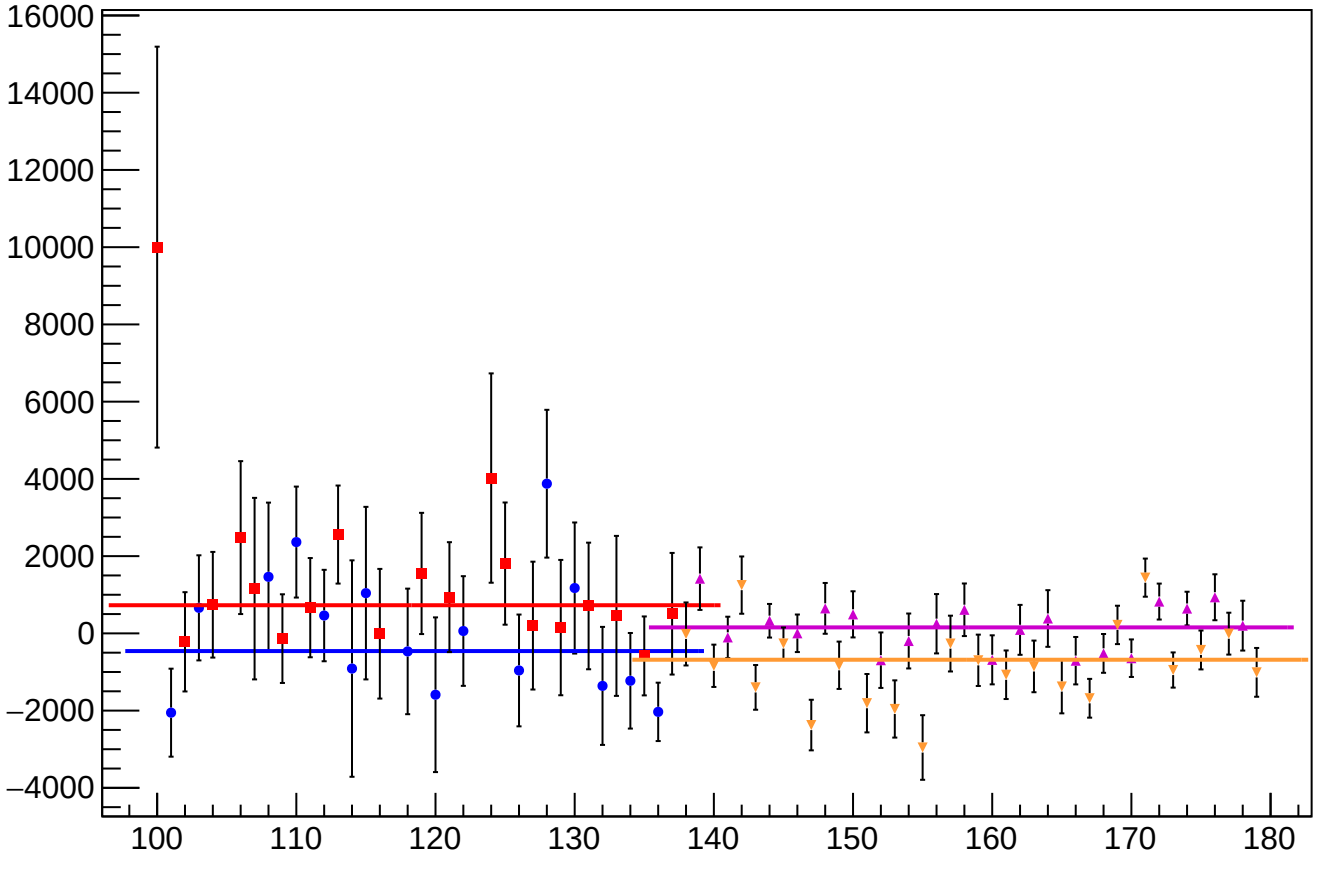
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.669+/-0.011 χ^2/NDF:947208.6/35

Out: 75.061+/-0.011 χ^2/NDF:1554053.8/40

All: 74.868+/-0.008 χ^2/NDF: 2501890.1/76

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -682.755+/-125.749 χ^2/NDF:59.3/21

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 154.928+/-129.002 χ^2/NDF:19.3/19

Left: -274.609+/-90.046 χ^2/NDF: 100.2/41

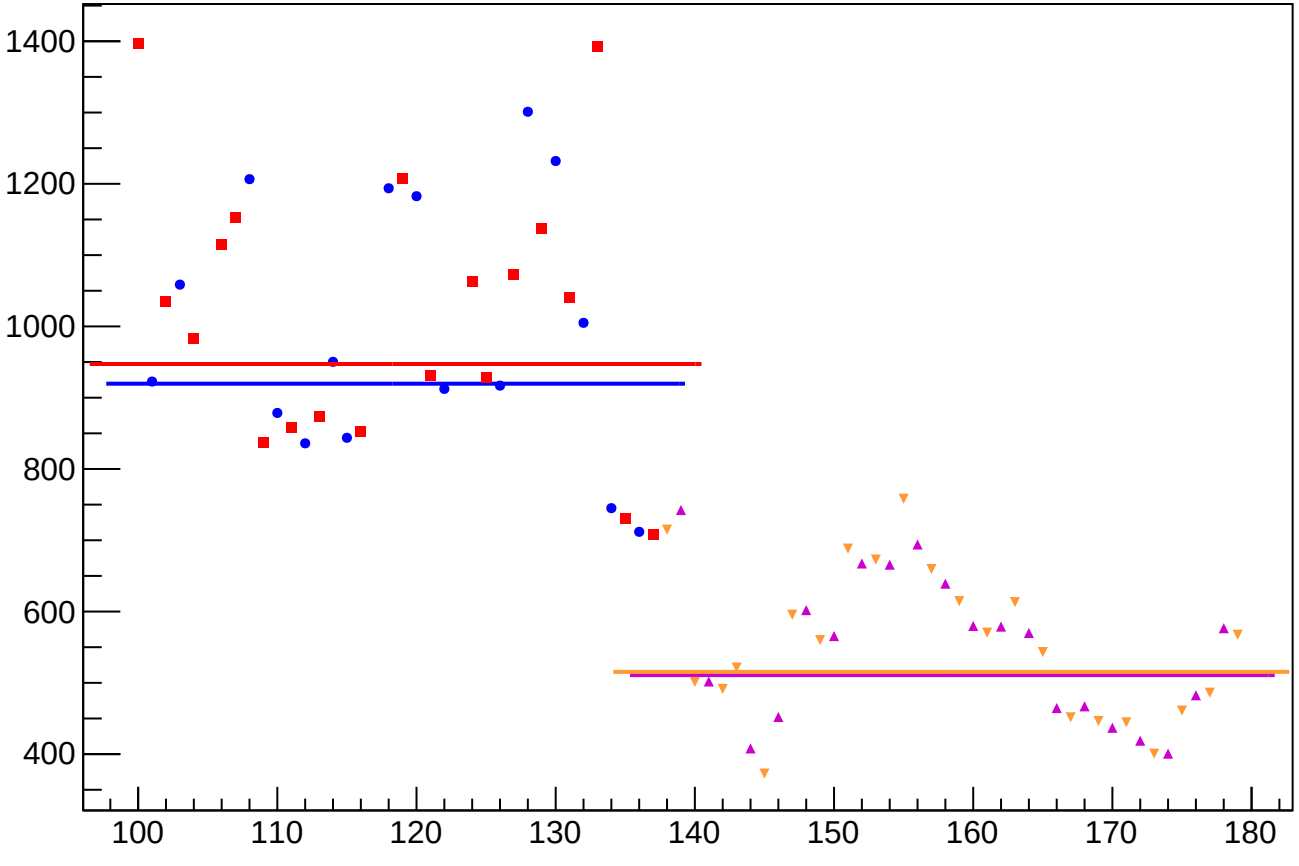
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 81.636+/-121.045 χ^2/NDF:42.2/35

Out: -523.466+/-118.441 χ^2/NDF:85.1/40

All: -227.494+/-84.656 χ^2/NDF: 140.1/76

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 515.375+/-0.089 χ^2/NDF:1230550.7/21

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 510.869+/-0.091 χ^2/NDF:1097637.6/19

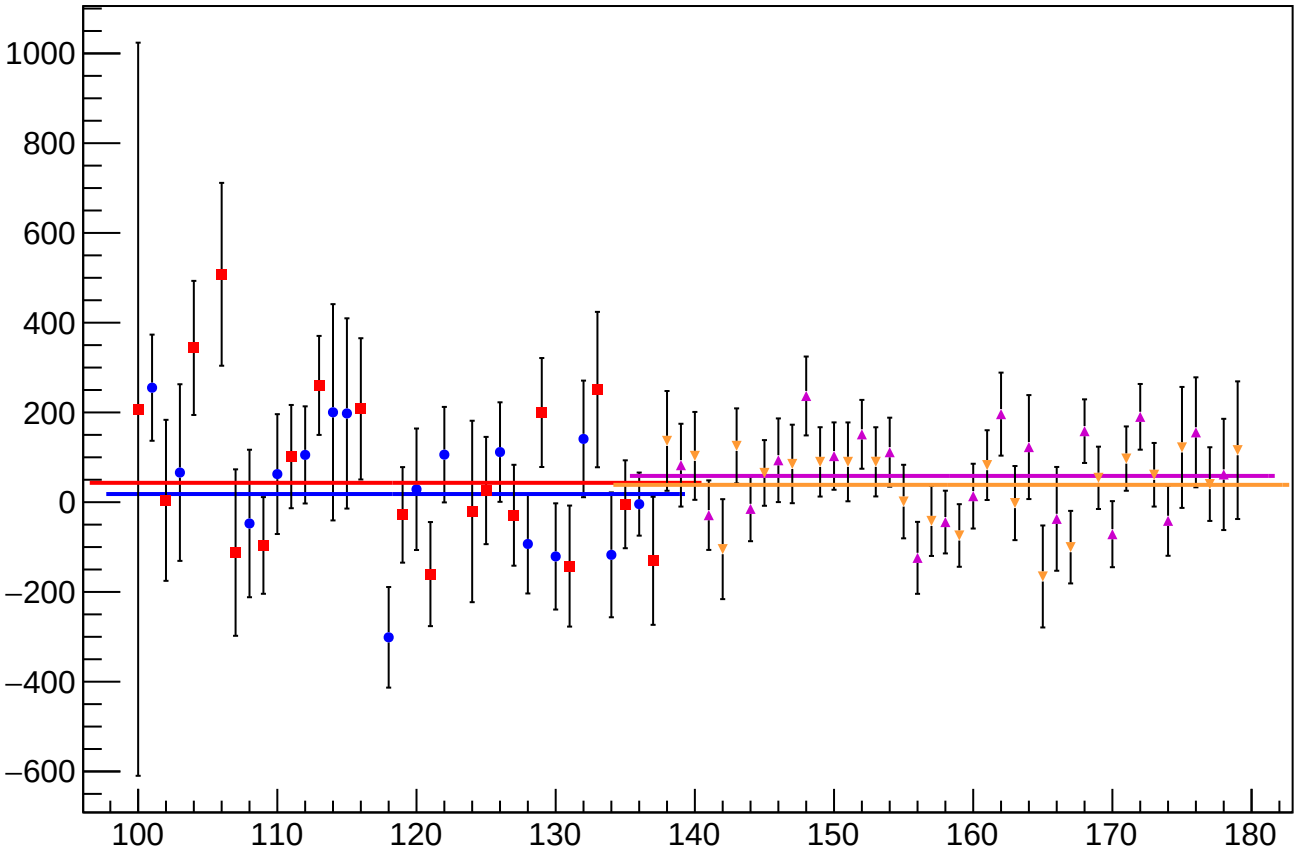
Left: 513.180+/-0.064 χ^2/NDF: 2329439.5/41

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 559.740+/-0.086 χ^2/NDF:4013933.0/35

Out: 564.115+/-0.084 χ^2/NDF:4318595.9/40

All: 561.975+/-0.060 χ^2/NDF: 8333863.5/76



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 38.637+/-17.961 χ^2/NDF:17.7/21

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 58.552+/-18.498 χ^2/NDF:30.5/19

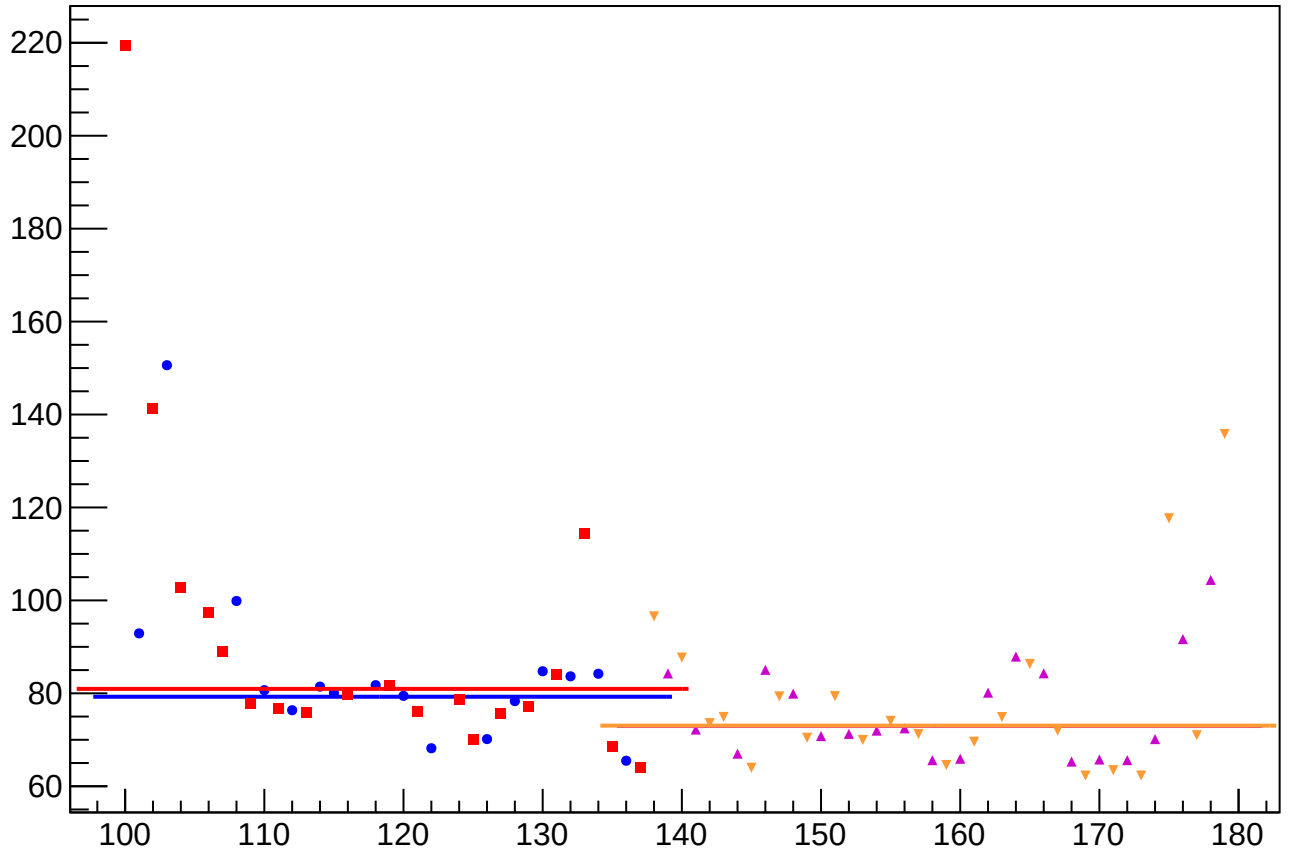
Left: 48.301+/-12.886 χ^2/NDF: 48.7/41

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 47.614+/-15.795 χ^2/NDF:51.9/35

Out: 39.786+/-15.503 χ^2/NDF:45.4/40

All: 43.627+/-11.064 χ^2/NDF: 97.4/76



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.043+/-0.013 χ^2/NDF:940863.7/21

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.962+/-0.013 χ^2/NDF:439377.2/19

Left: 73.004+/-0.009 χ^2/NDF: 1380260.9/41

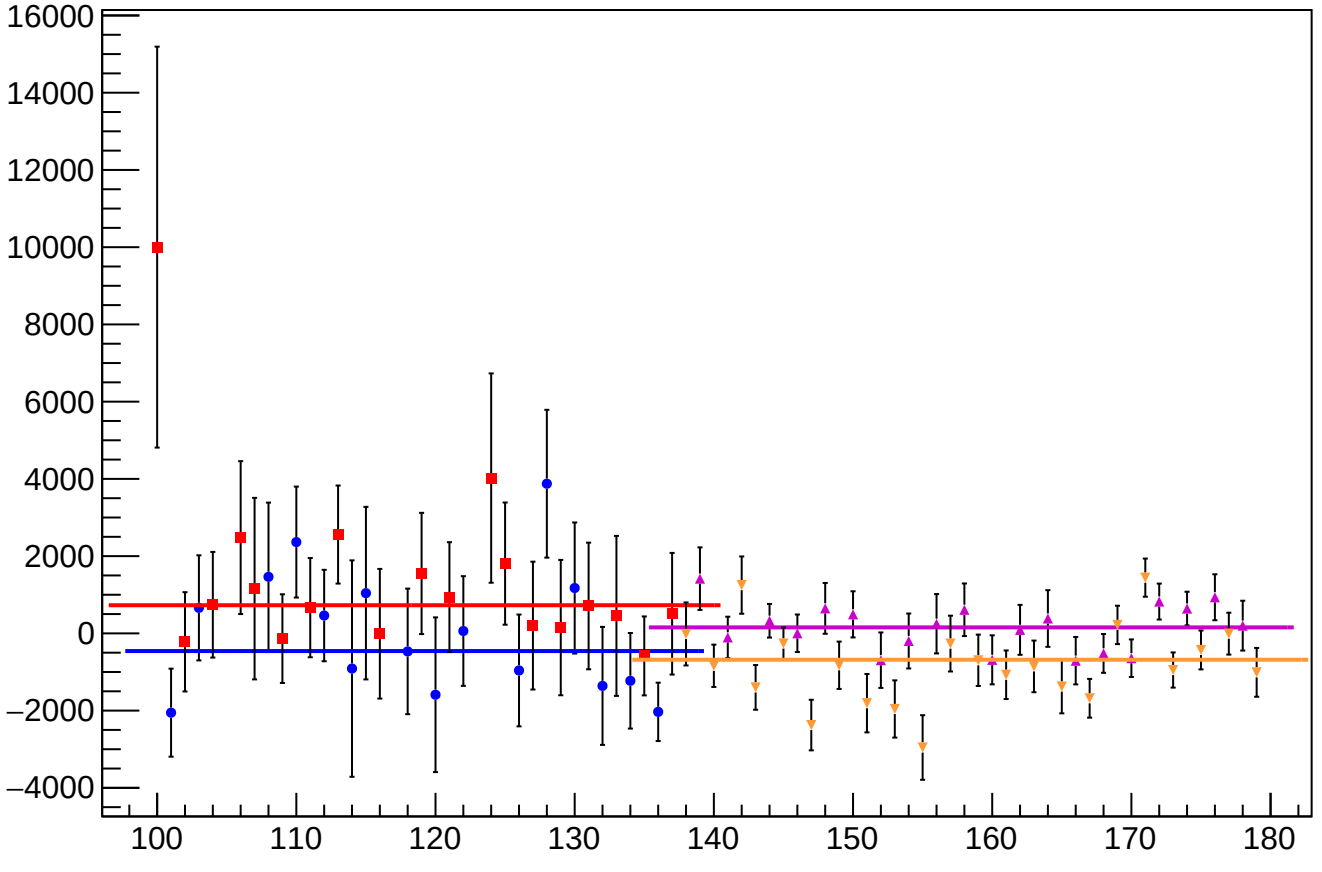
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.669+/-0.011 χ^2/NDF:947192.4/35

Out: 75.061+/-0.011 χ^2/NDF:1554056.9/40

All: 74.868+/-0.008 χ^2/NDF: 2501876.9/76

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -682.754+/-125.748 χ^2/NDF:59.3/21

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 154.927+/-129.002 χ^2/NDF:19.3/19

Left: -274.610+/-90.046 χ^2/NDF: 100.2/41

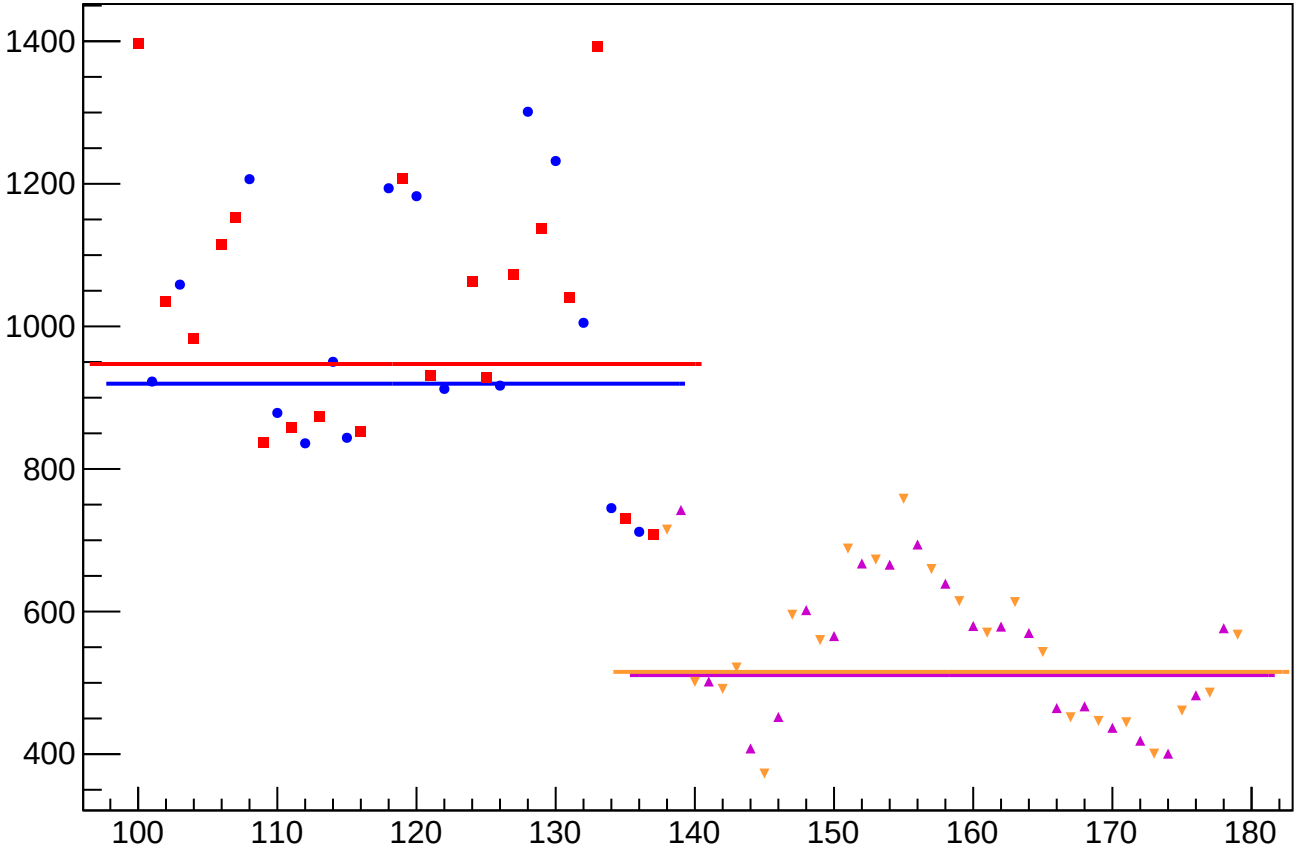
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 81.635+/-121.045 χ^2/NDF:42.2/35

Out: -523.465+/-118.441 χ^2/NDF:85.1/40

All: -227.494+/-84.656 χ^2/NDF: 140.1/76

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 515.374+/-0.089 χ^2/NDF:1230553.0/21

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 510.869+/-0.091 χ^2/NDF:1097636.7/19

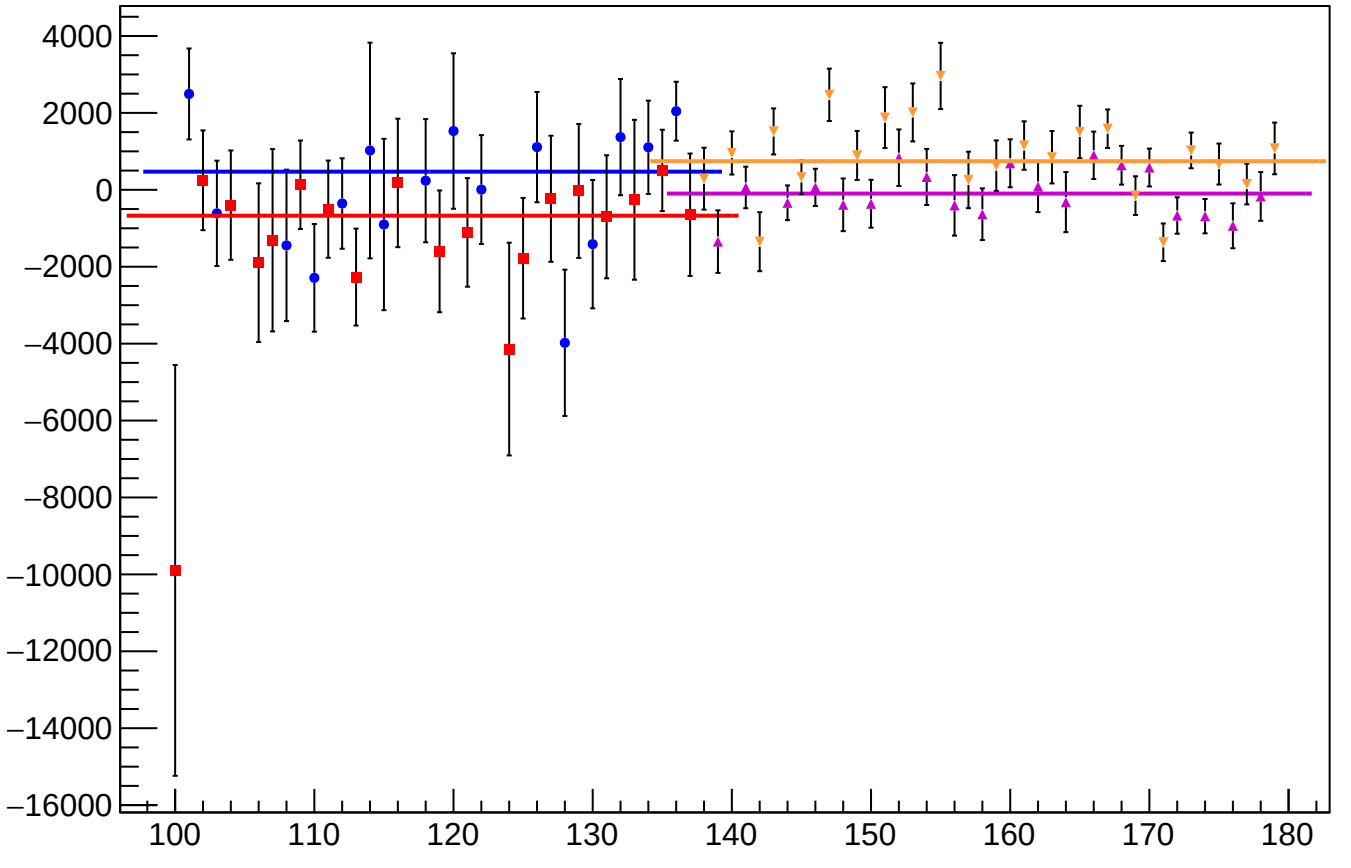
Left: 513.179+/-0.064 χ^2/NDF: 2329440.9/41

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 559.739+/-0.086 χ^2/NDF:4013928.9/35

Out: 564.114+/-0.084 χ^2/NDF:4318595.8/40

All: 561.974+/-0.060 χ^2/NDF: 8333859.3/76



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 742.960+/-128.286 χ^2/NDF:57.1/21

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -98.073+/-130.822 χ^2/NDF:19.6/19

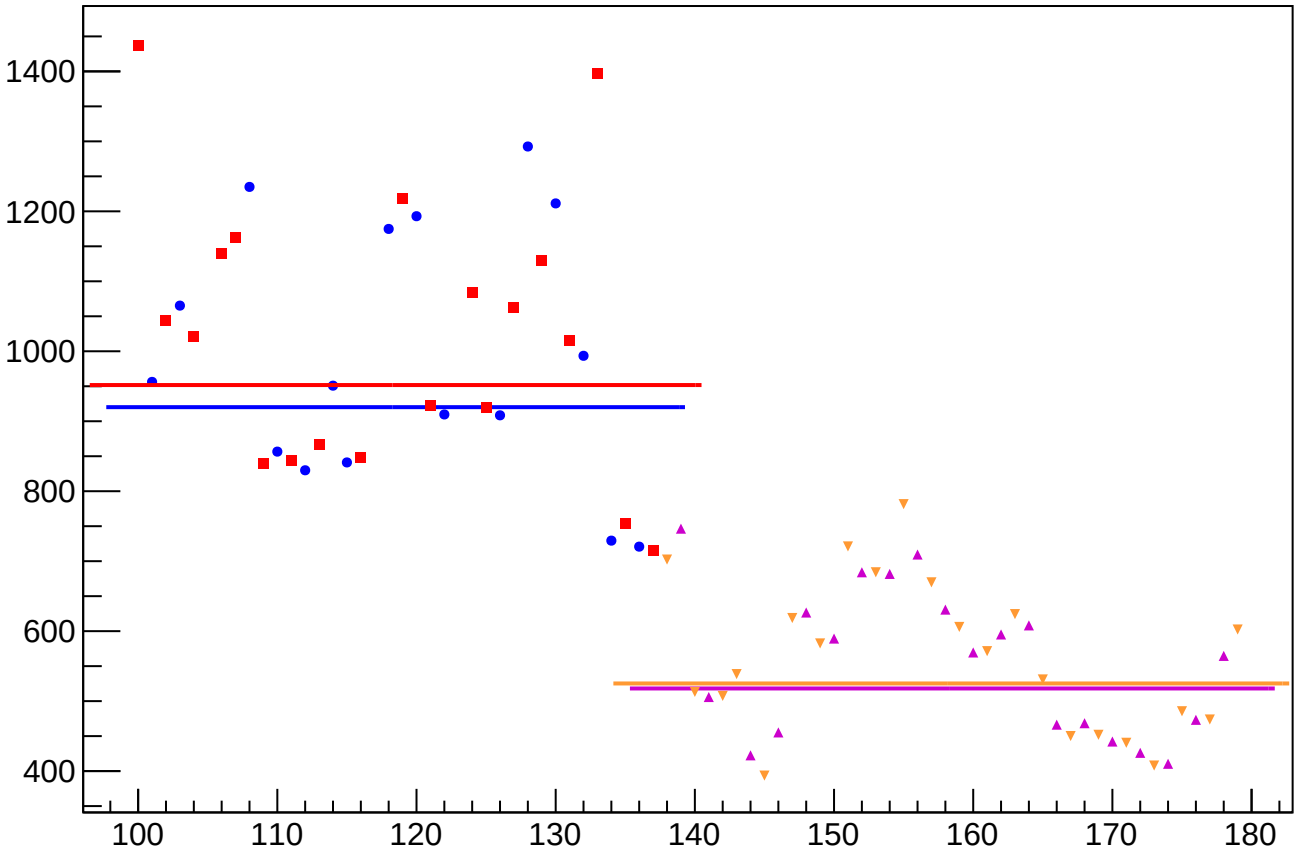
Left: 330.673+/-91.595 χ^2/NDF: 97.7/41

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -28.322+/-122.557 χ^2/NDF:43.4/35

Out: 579.066+/-120.631 χ^2/NDF:81.5/40

All: 280.184+/-85.972 χ^2/NDF: 137.4/76



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 525.234+/-0.091 χ^2/NDF:1213197.1/21

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.081+/-0.093 χ^2/NDF:1098118.4/19

Left: 521.728+/-0.065 χ^2/NDF: 2314364.0/41

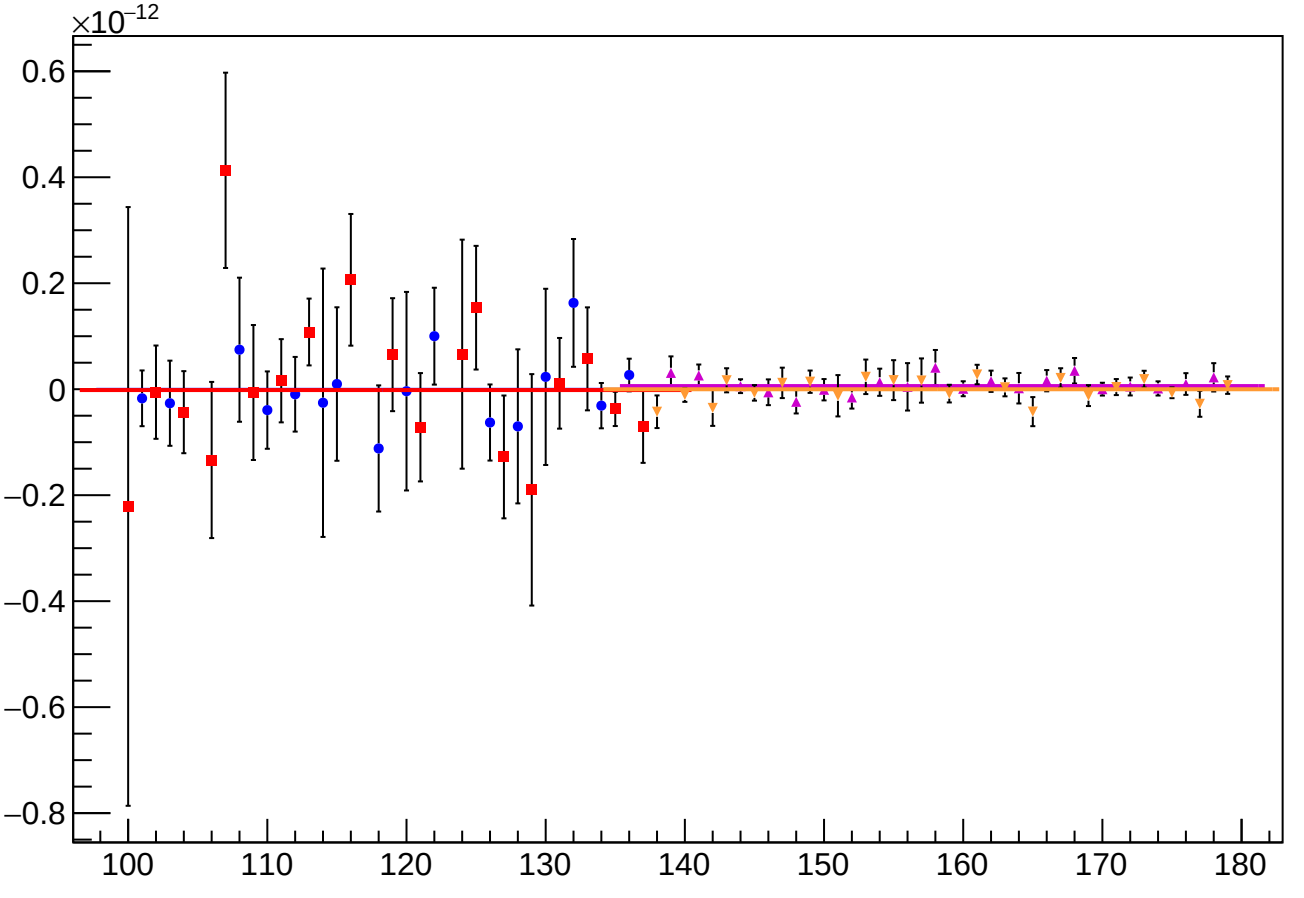
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 567.272+/-0.087 χ^2/NDF:3917960.4/35

Out: 574.616+/-0.085 χ^2/NDF:4188765.9/40

All: 571.002+/-0.061 χ^2/NDF: 8110373.9/76

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/21

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/19

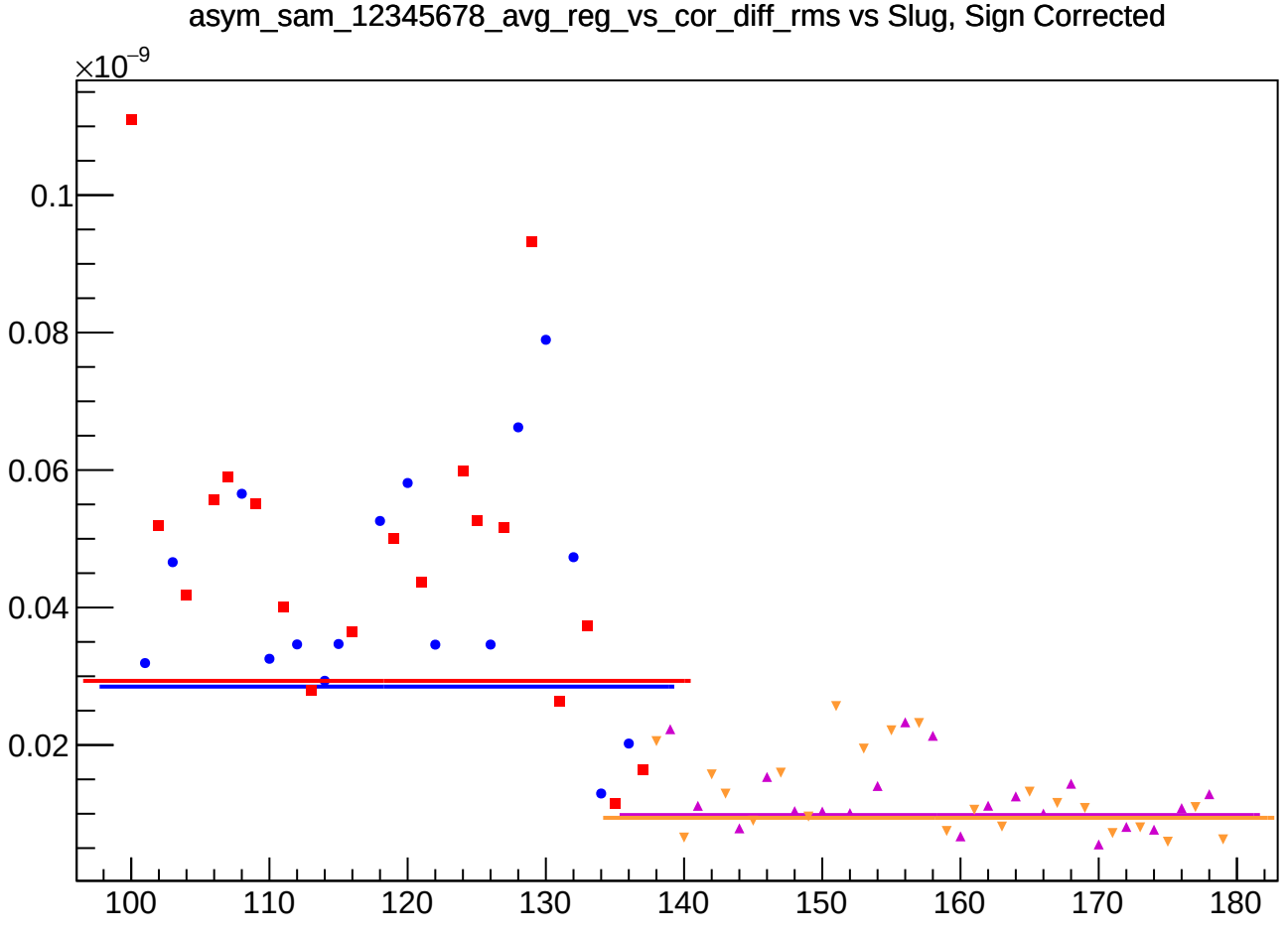
Left: 0.000+/-0.000 χ^2/NDF: 25.9/41

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.9/35

Out: -0.000+/-0.000 χ^2/NDF:35.5/40

All: 0.000+/-0.000 χ^2/NDF: 52.5/76



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2062021.2/21

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1504731.5/19

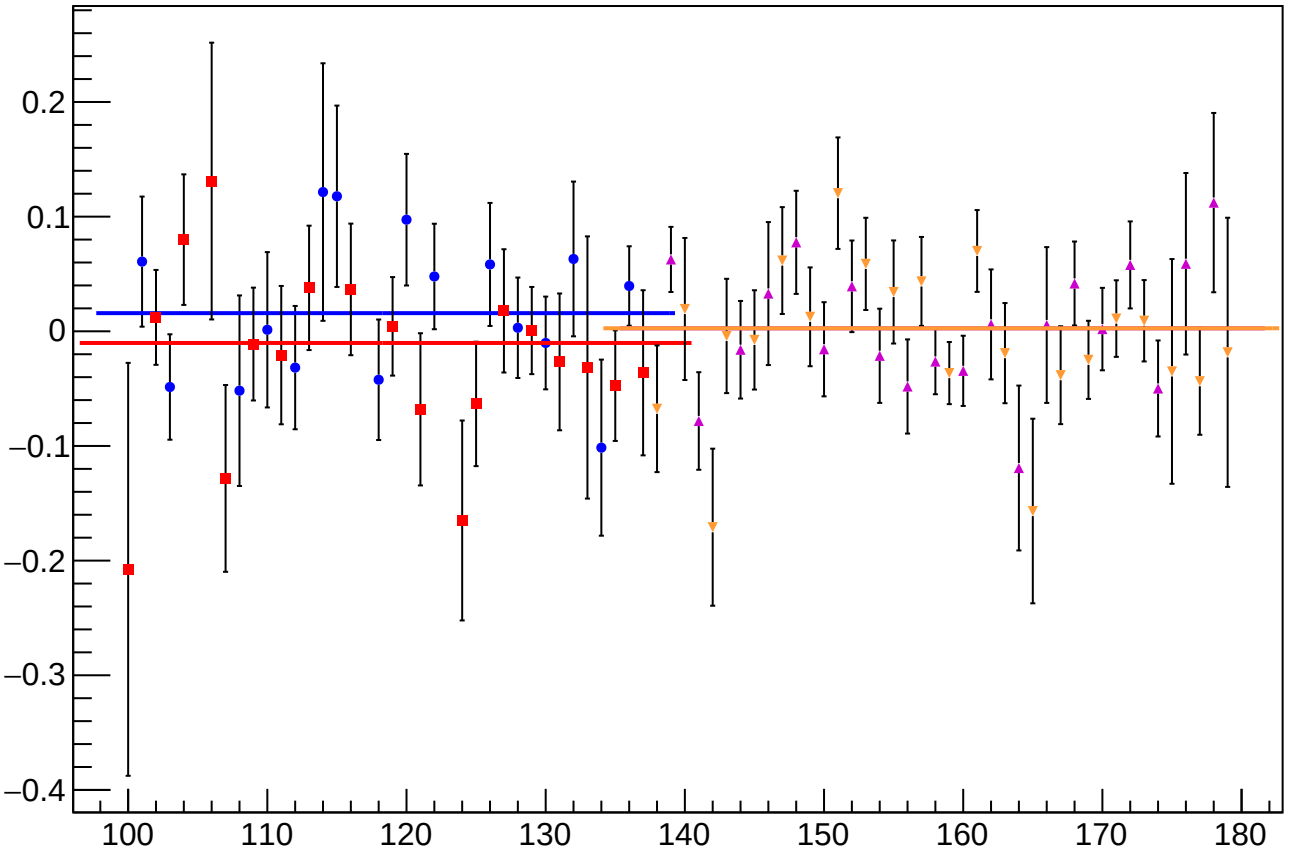
Left: 0.000+/-0.000 χ^2/NDF: 3575883.2/41

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4757472.0/35

Out: 0.000+/-0.000 χ^2/NDF:5758044.4/40

All: 0.000+/-0.000 χ^2/NDF: 10537955.5/76



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:26.9/19

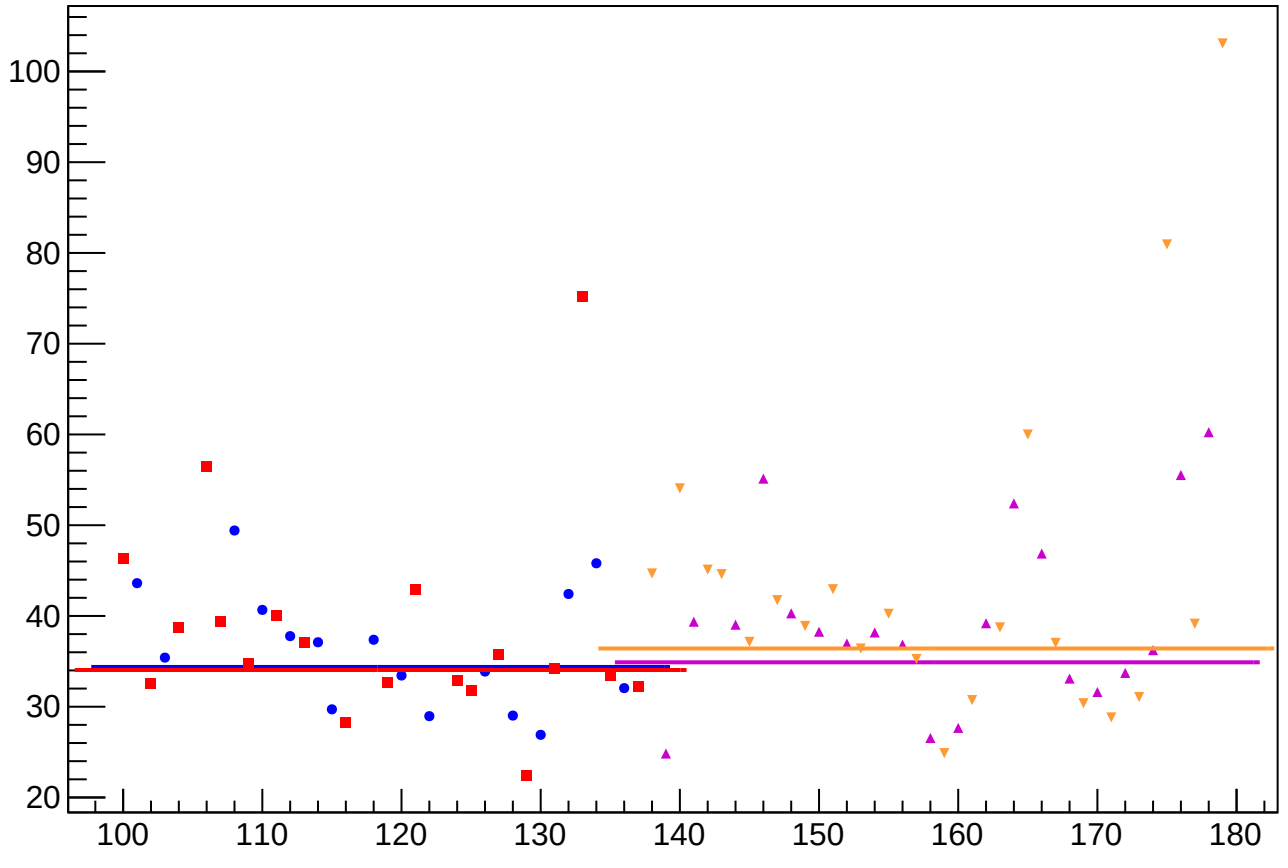
Left: 0.003+/-0.007 χ^2/NDF: 58.8/41

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 90.6/76



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246419.9/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

Left: 35.648+/-0.005 χ^2/NDF: 3691412.2/41

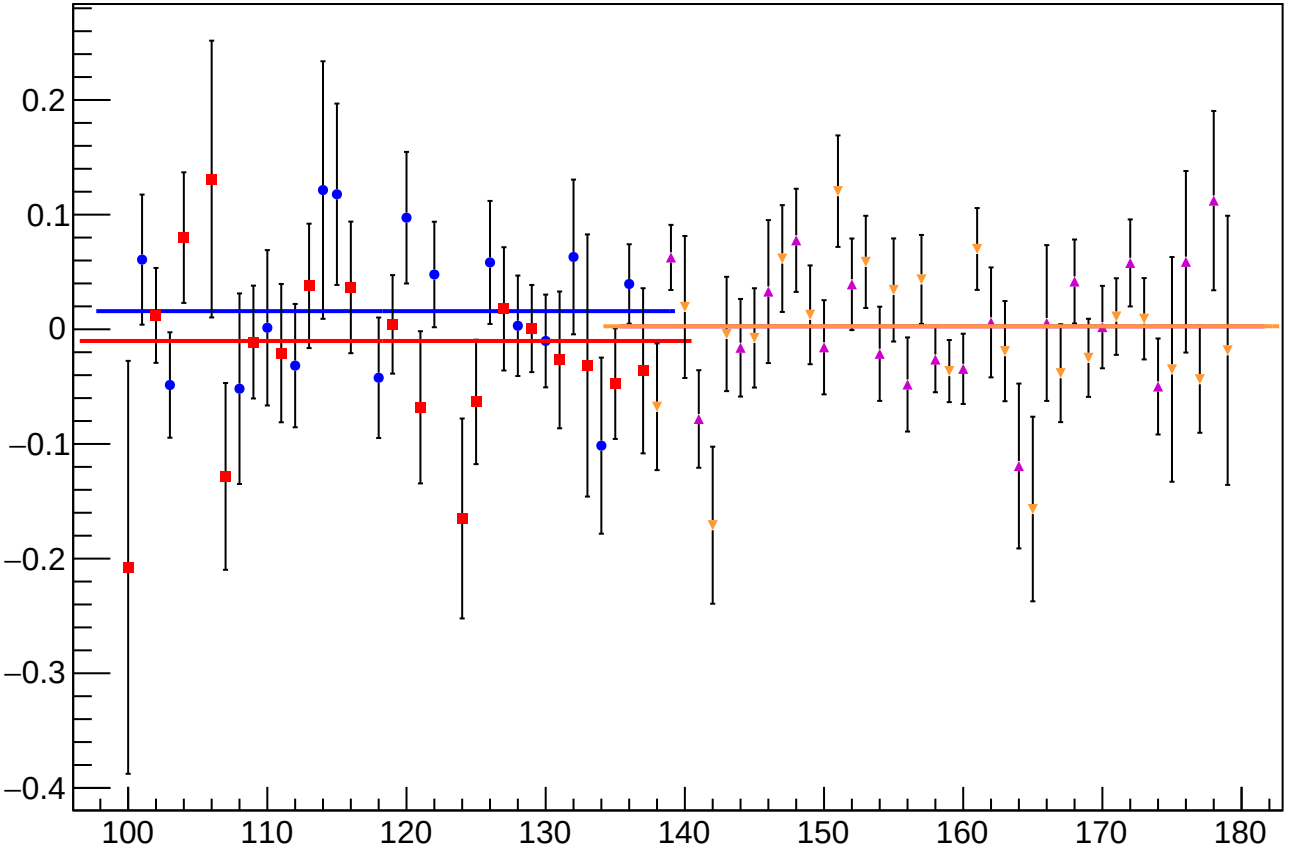
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.730+/-0.005 χ^2/NDF:1787926.5/35

Out: 35.629+/-0.005 χ^2/NDF:2932085.2/40

All: 35.178+/-0.004 χ^2/NDF: 4733978.8/76

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:26.9/19

Left: 0.003+/-0.007 χ^2/NDF: 58.8/41

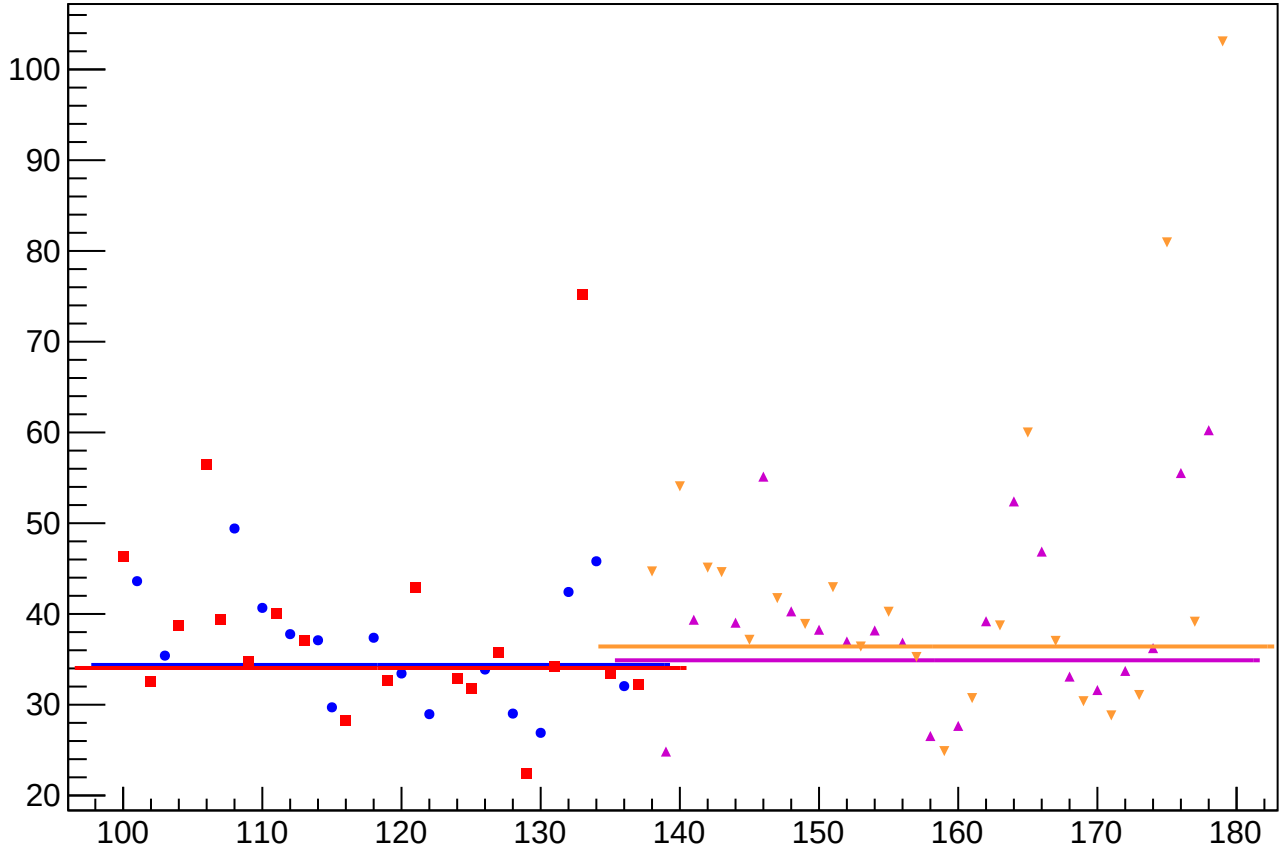
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 90.6/76

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246419.9/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

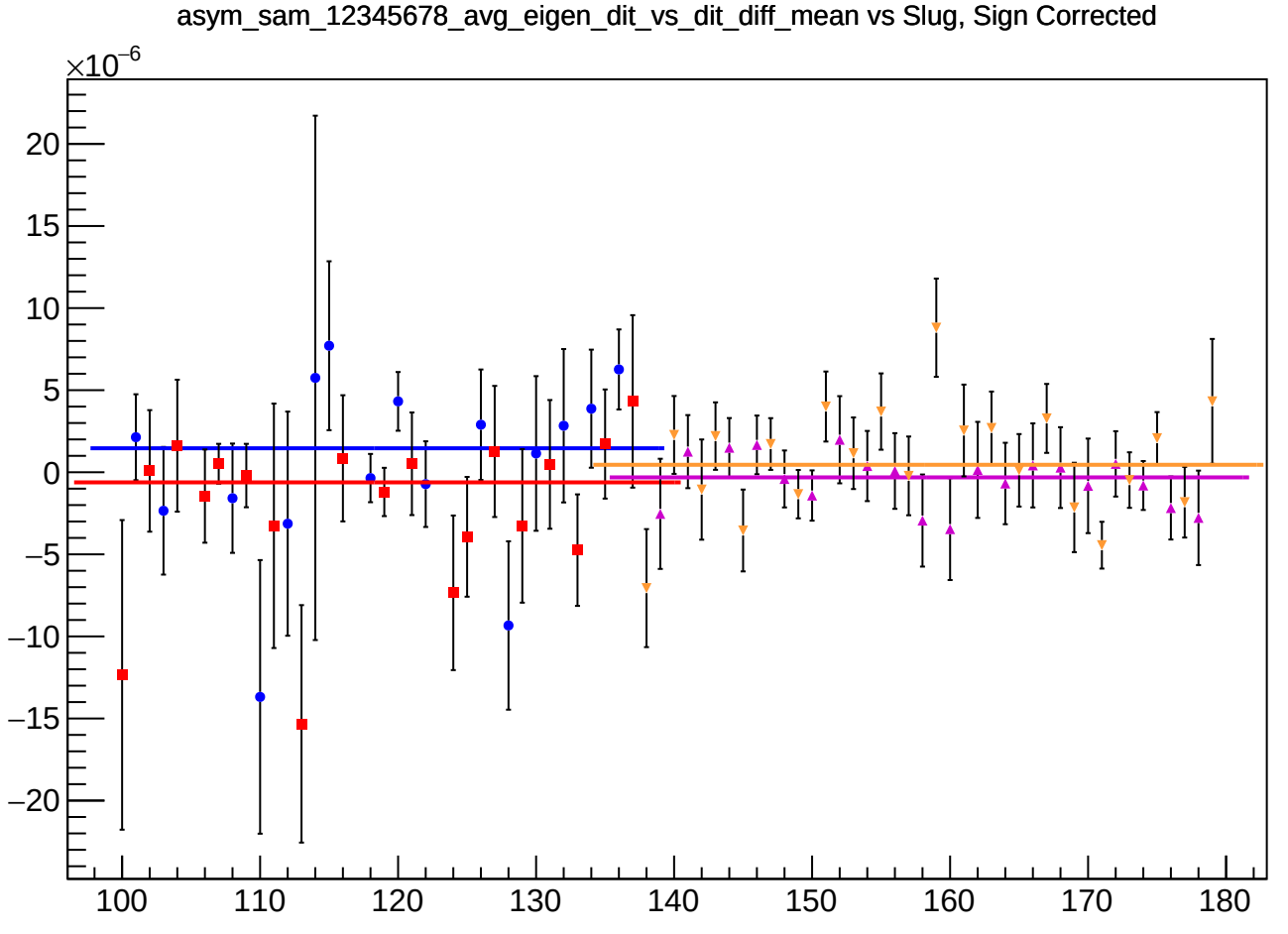
Left: 35.648+/-0.005 χ^2/NDF: 3691412.2/41

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.730+/-0.005 χ^2/NDF:1787926.5/35

Out: 35.629+/-0.005 χ^2/NDF:2932085.2/40

All: 35.178+/-0.004 χ^2/NDF: 4733978.8/76



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.9/21

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/19

Left: 0.000+/-0.000 χ^2/NDF: 52.9/41

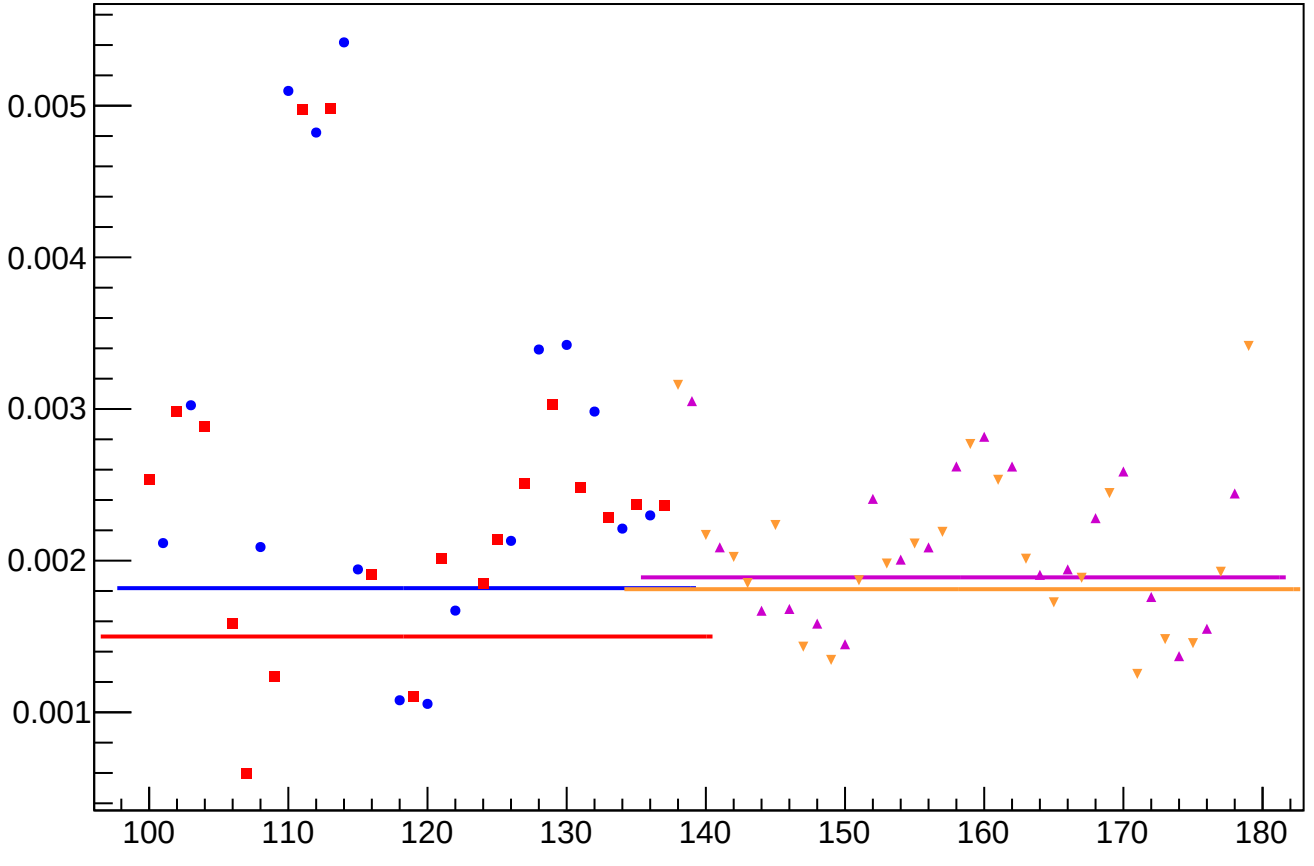
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:33.6/35

Out: 0.000+/-0.000 χ^2/NDF:58.7/40

All: 0.000+/-0.000 χ^2/NDF: 92.3/76

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2120479.8/21

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1632837.8/19

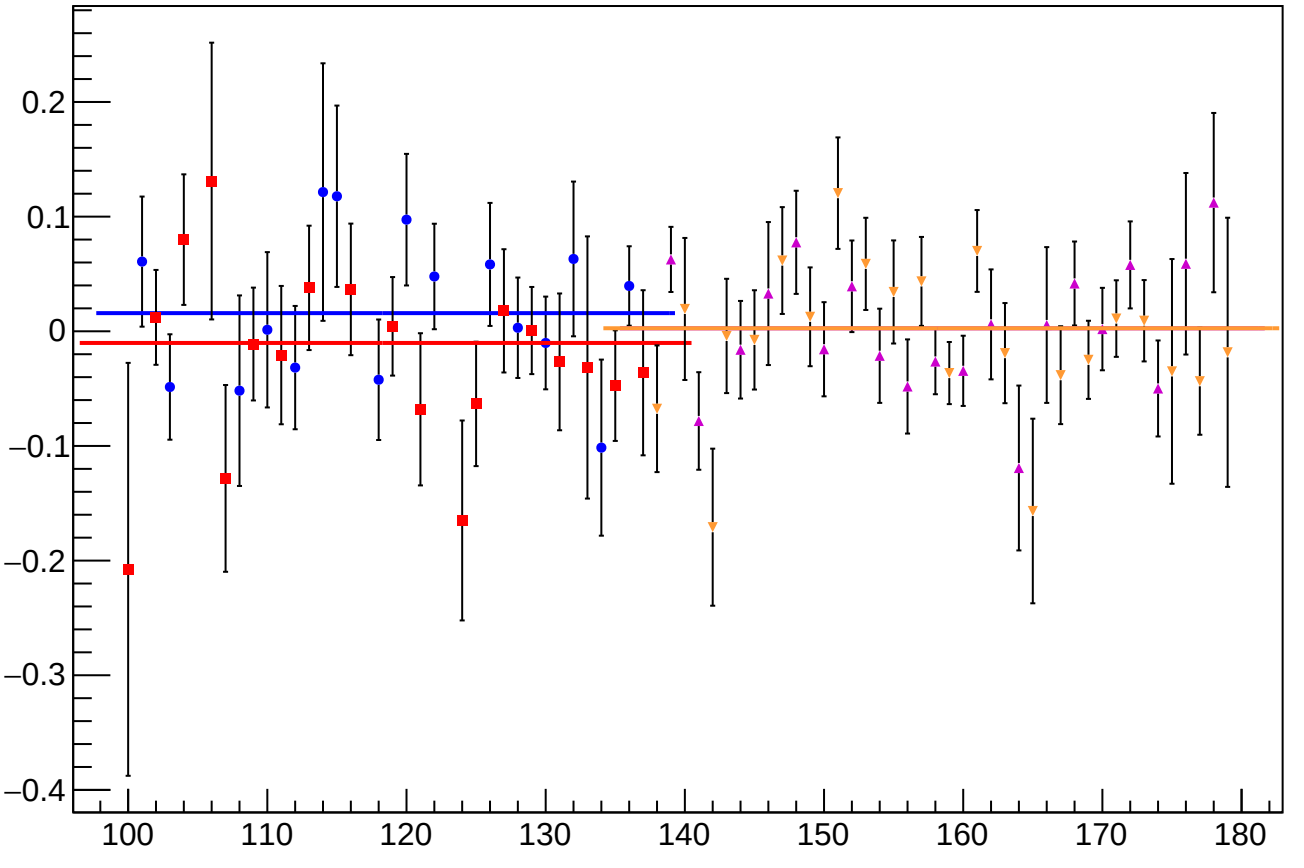
Left: 0.002+/-0.000 χ^2/NDF: 3781196.3/41

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4215746.7/35

Out: 0.002+/-0.000 χ^2/NDF:6124057.2/40

All: 0.002+/-0.000 χ^2/NDF: 10507050.9/76



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:26.9/19

Left: 0.003+/-0.007 χ^2/NDF: 58.8/41

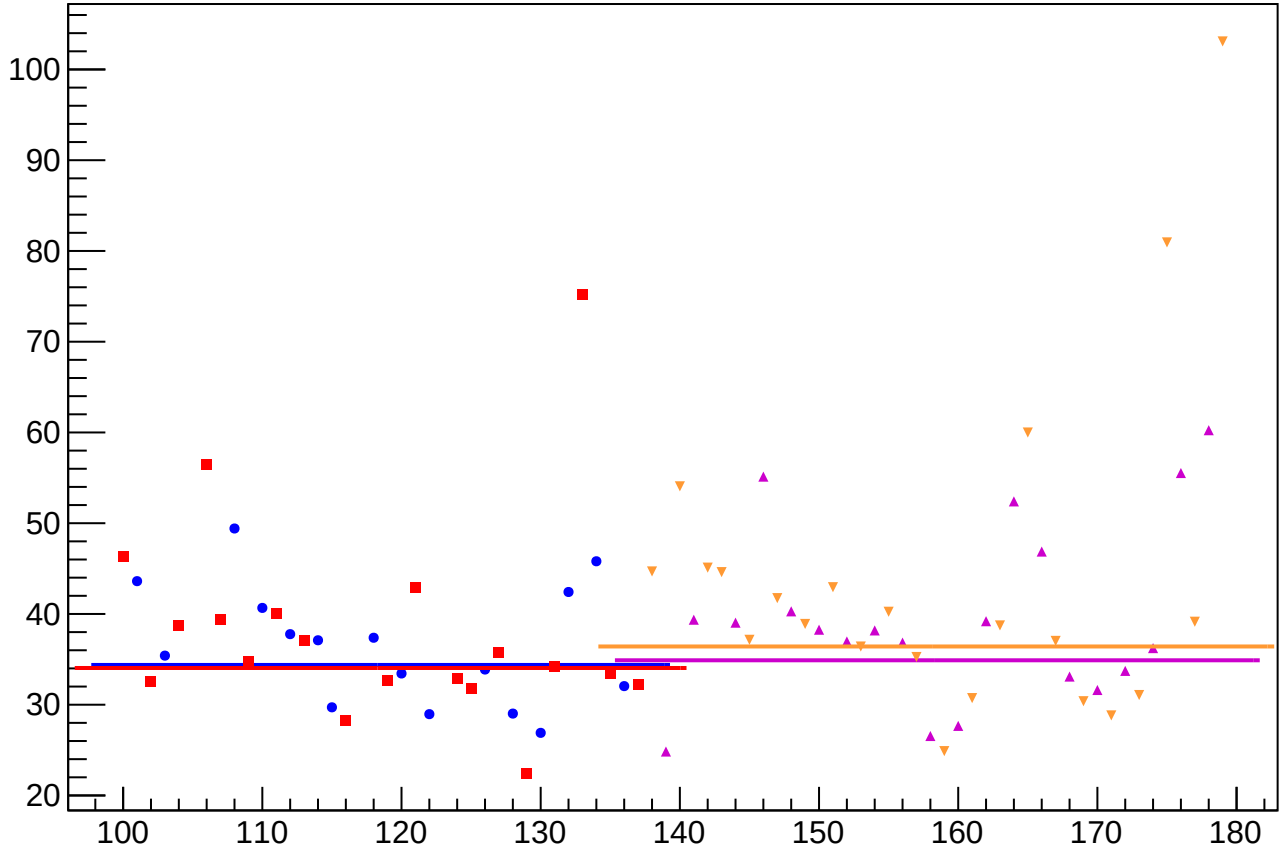
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 90.6/76

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246485.4/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.895+/-0.007 χ^2/NDF:1418094.4/19

Left: 35.648+/-0.005 χ^2/NDF: 3691513.9/41

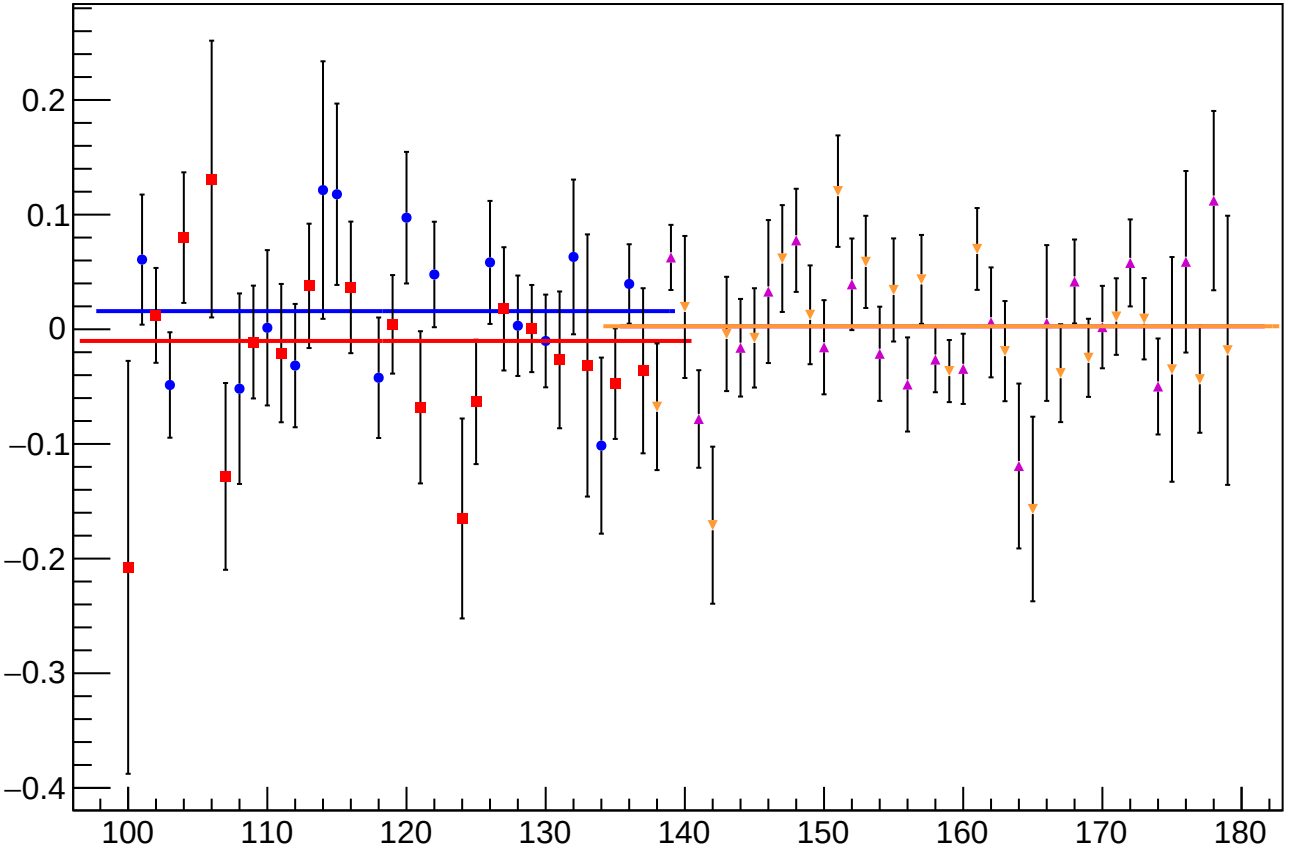
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.730+/-0.005 χ^2/NDF:1788031.8/35

Out: 35.629+/-0.005 χ^2/NDF:2932221.5/40

All: 35.178+/-0.004 χ^2/NDF: 4734220.0/76

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/21

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.009 χ^2/NDF:26.9/19

Left: 0.003+/-0.007 χ^2/NDF: 58.8/41

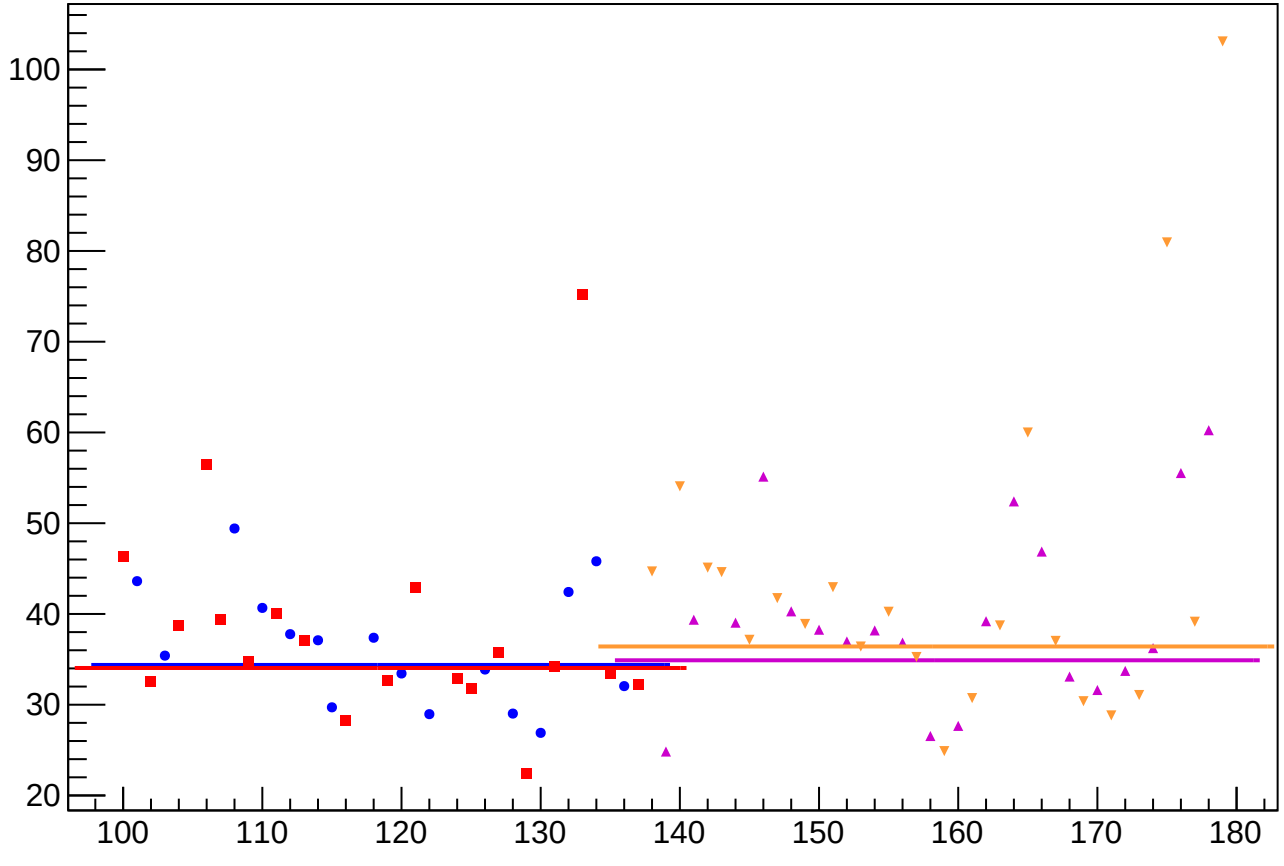
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/40

All: 0.003+/-0.005 χ^2/NDF: 90.6/76

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.417+/-0.007 χ^2/NDF:2246485.4/21

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.895+/-0.007 χ^2/NDF:1418094.4/19

Left: 35.648+/-0.005 χ^2/NDF: 3691513.9/41

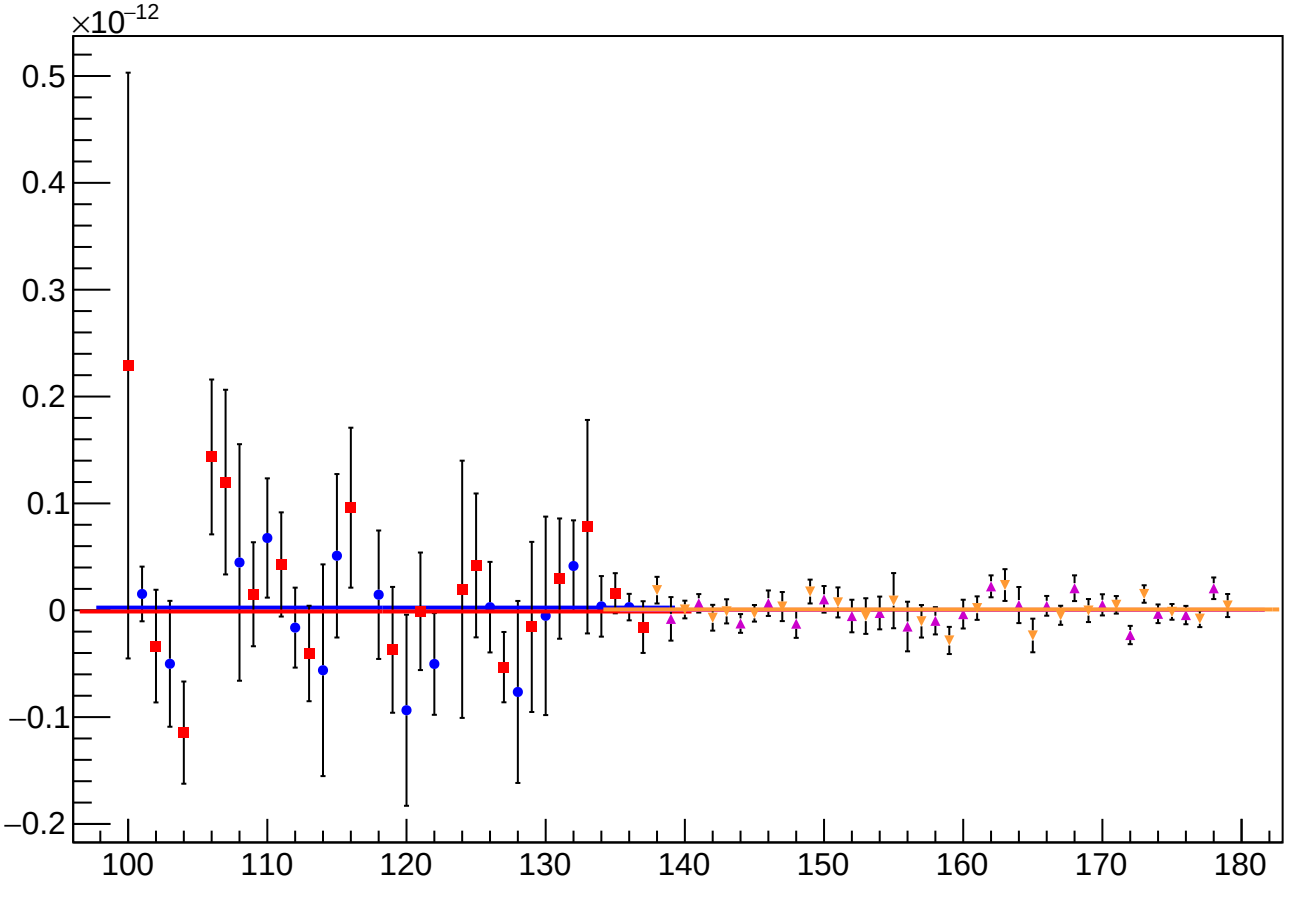
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.730+/-0.005 χ^2/NDF:1788031.8/35

Out: 35.629+/-0.005 χ^2/NDF:2932221.5/40

All: 35.178+/-0.004 χ^2/NDF: 4734220.0/76

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/21

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:25.9/19

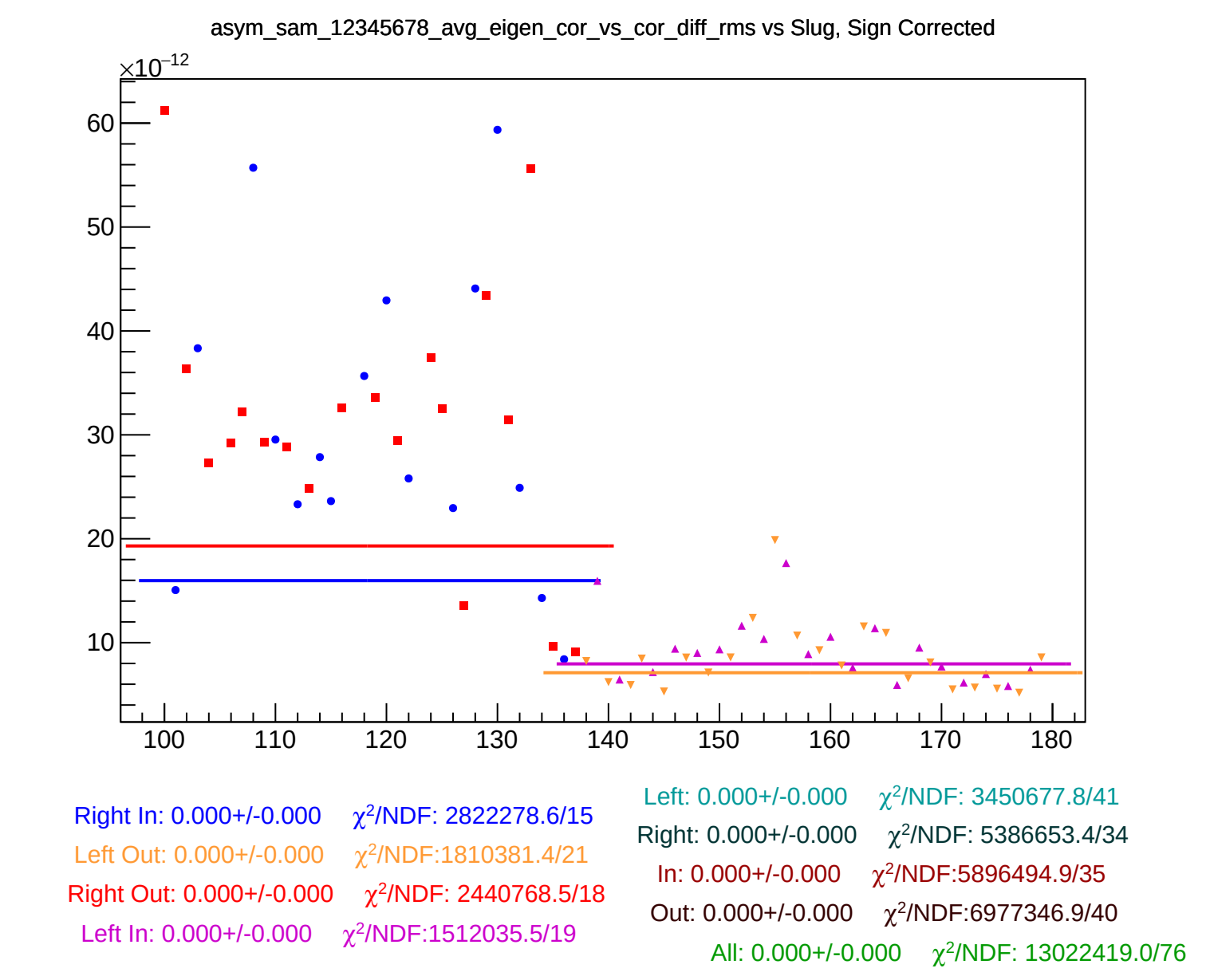
Left: 0.000+/-0.000 χ^2/NDF: 47.2/41

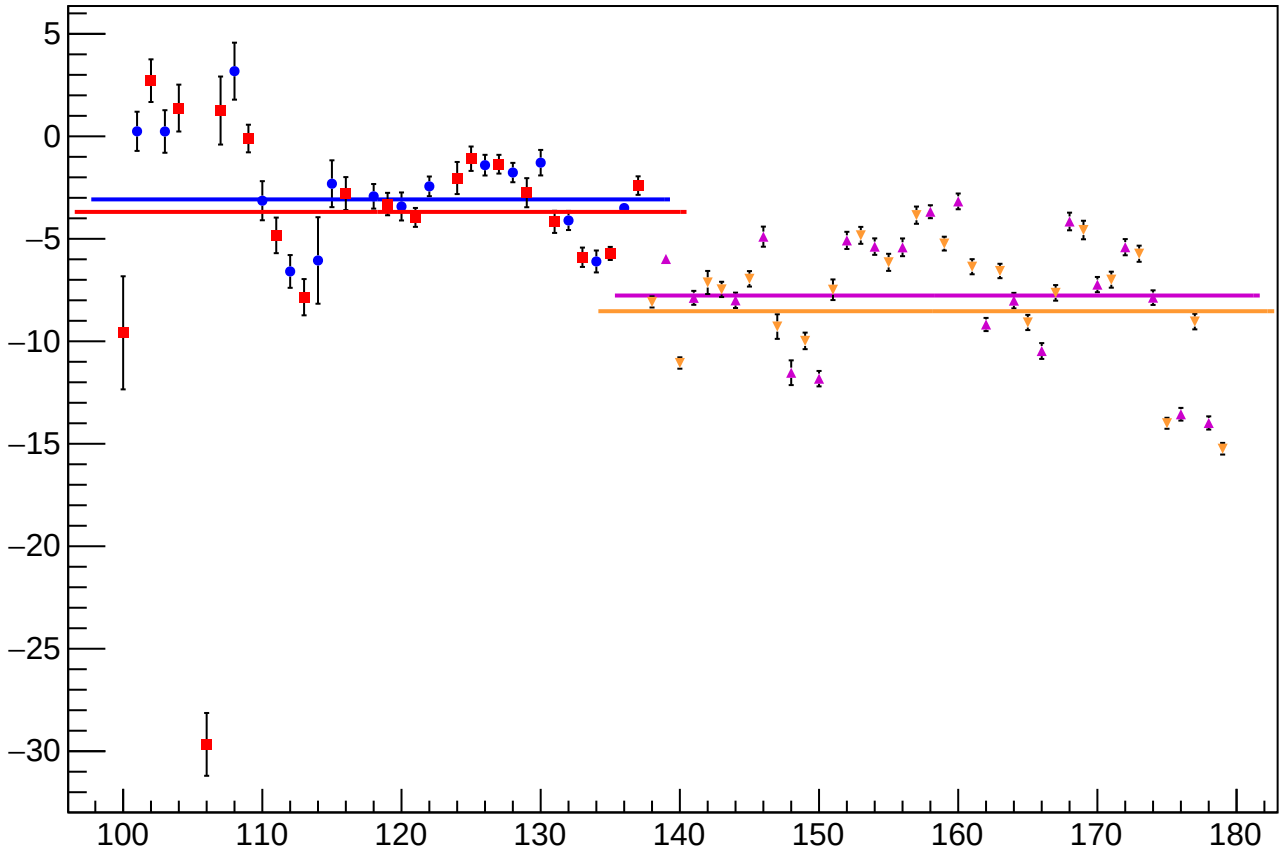
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:33.7/35

Out: 0.000+/-0.000 χ^2/NDF:42.7/40

All: 0.000+/-0.000 χ^2/NDF: 76.4/76


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1810381.4/21
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1512035.5/19
Left: 0.000+/-0.000 χ²/NDF: 3450677.8/41
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5896494.9/35
Out: 0.000+/-0.000 χ²/NDF:6977346.9/40
All: 0.000+/-0.000 χ²/NDF: 13022419.0/76



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.532+/-0.078 χ^2/NDF:1658.2/21

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.767+/-0.081 χ^2/NDF:1558.0/19

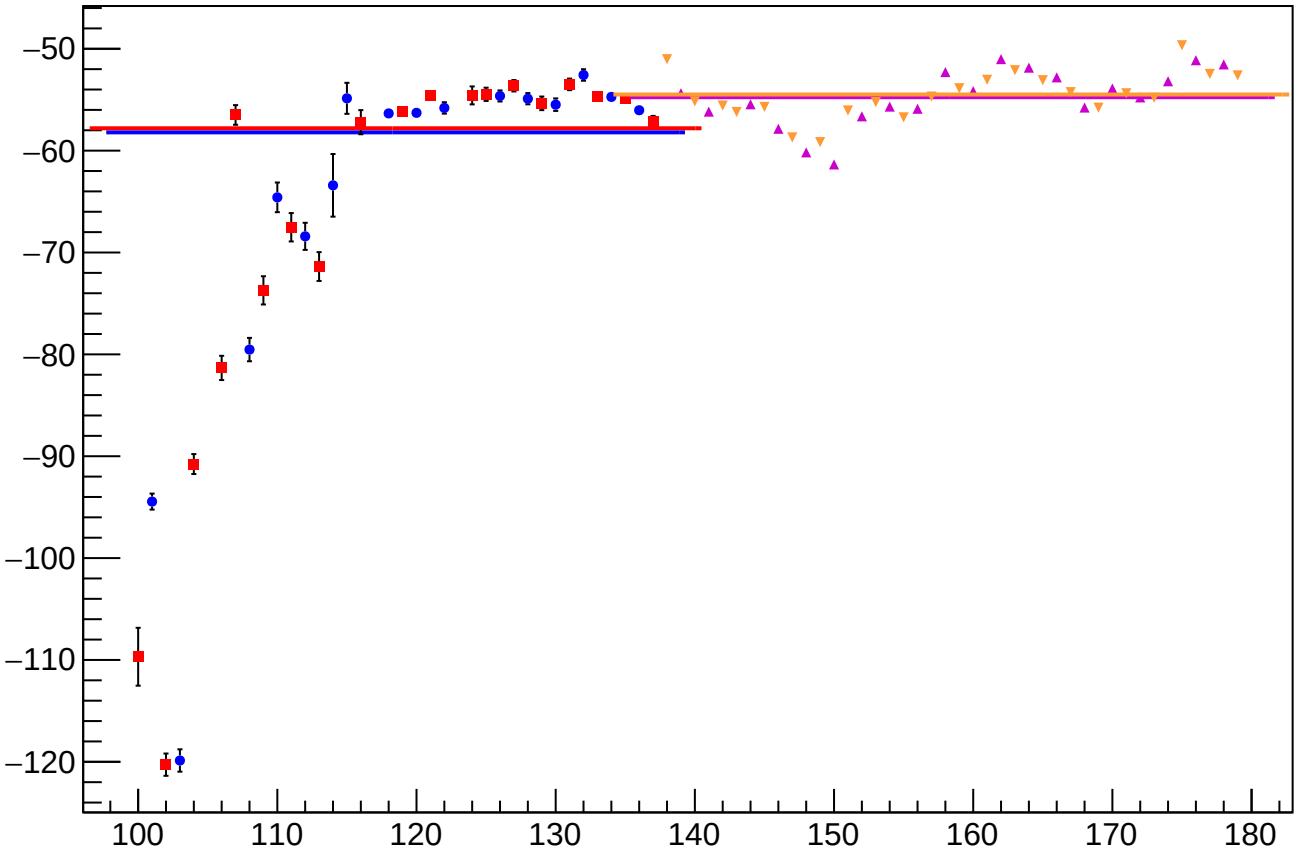
Left: -8.164+/-0.056 χ^2/NDF: 3262.2/41

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -6.522+/-0.070 χ^2/NDF:2575.2/35

Out: -7.382+/-0.068 χ^2/NDF:3103.8/40

All: -6.960+/-0.049 χ^2/NDF: 5756.7/76



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.489+/-0.060 χ^2/NDF:1463.2/21

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.754+/-0.063 χ^2/NDF:2045.9/19

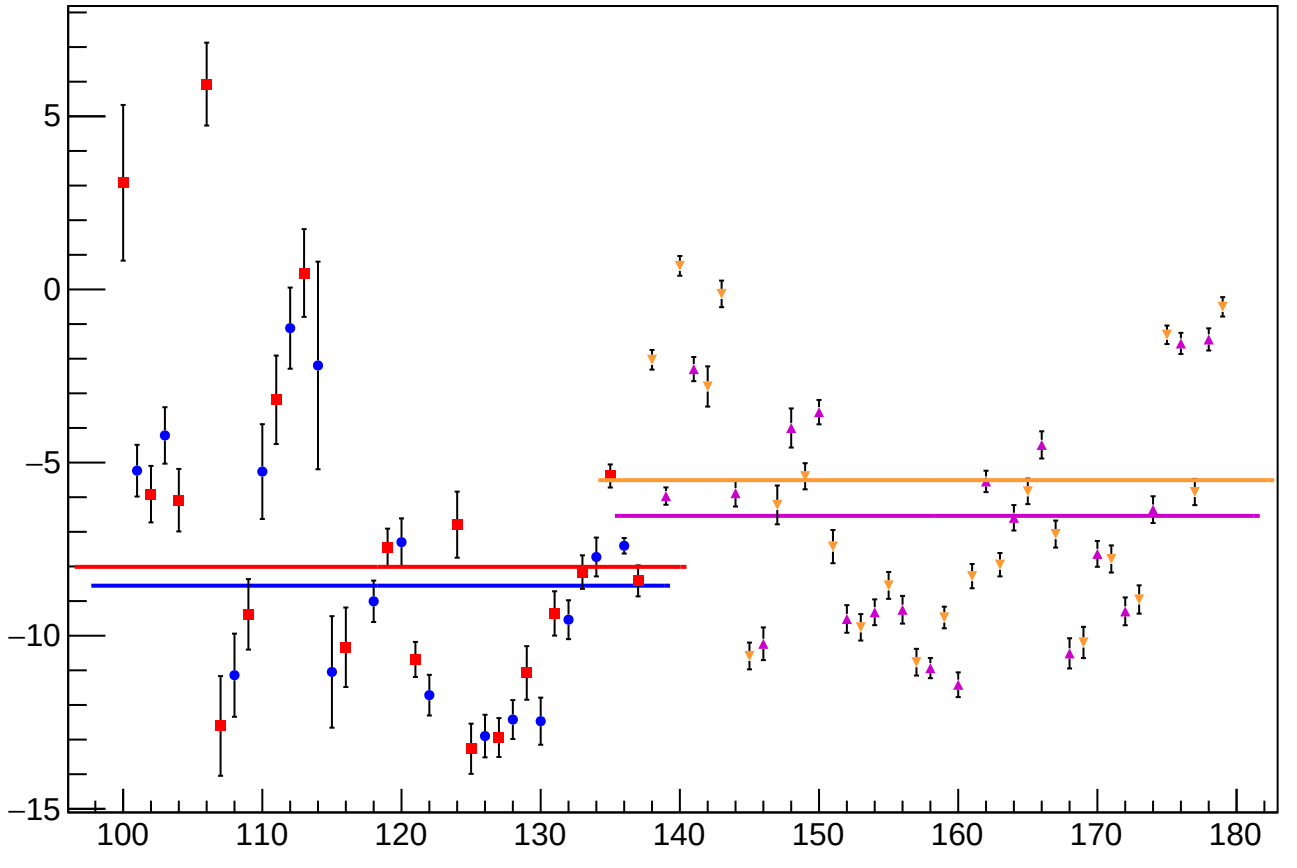
Left: -54.614+/-0.043 χ^2/NDF: 3518.3/41

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.371+/-0.057 χ^2/NDF:8704.9/35

Out: -55.008+/-0.055 χ^2/NDF:7739.0/40

All: -55.181+/-0.040 χ^2/NDF: 16464.8/76



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.508+/-0.077 χ^2/NDF:2471.1/21

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -6.539+/-0.080 χ^2/NDF:1575.0/19

Left: -6.004+/-0.056 χ^2/NDF: 4132.1/41

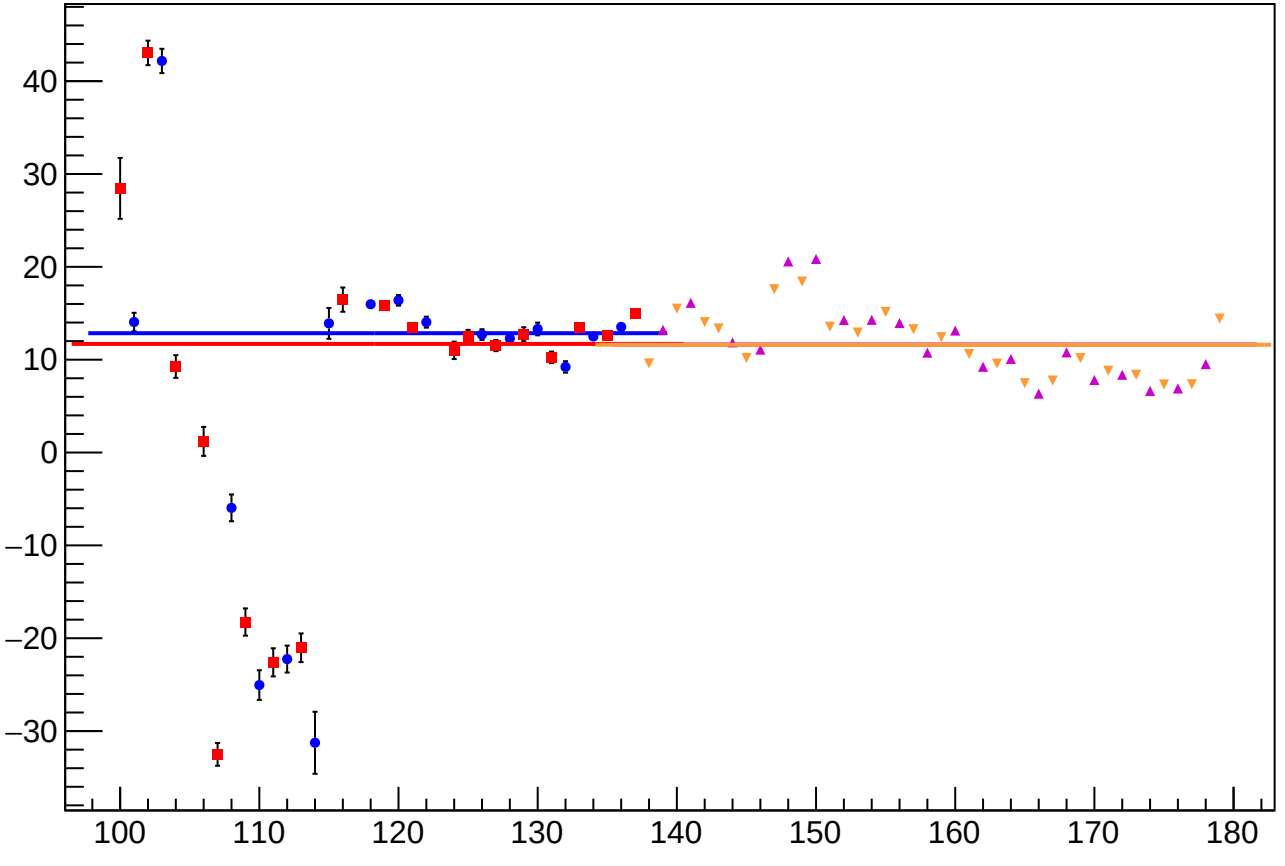
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.011+/-0.070 χ^2/NDF:2024.4/35

Out: -6.016+/-0.069 χ^2/NDF:3174.1/40

All: -6.505+/-0.049 χ^2/NDF: 5301.2/76

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.611+/-0.067 χ^2/NDF:2311.2/21

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 11.635+/-0.070 χ^2/NDF:3081.5/19

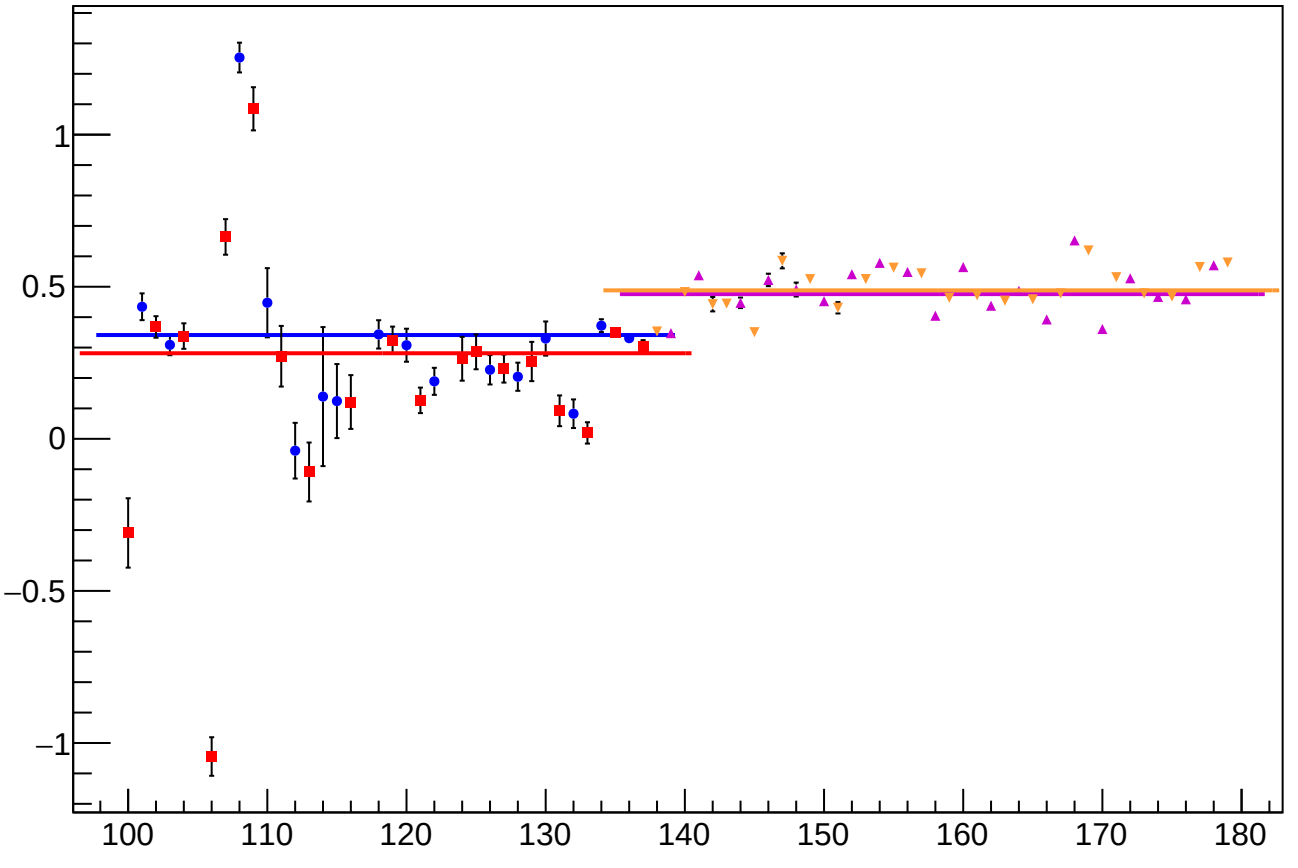
Left: 11.622+/-0.048 χ^2/NDF: 5392.7/41

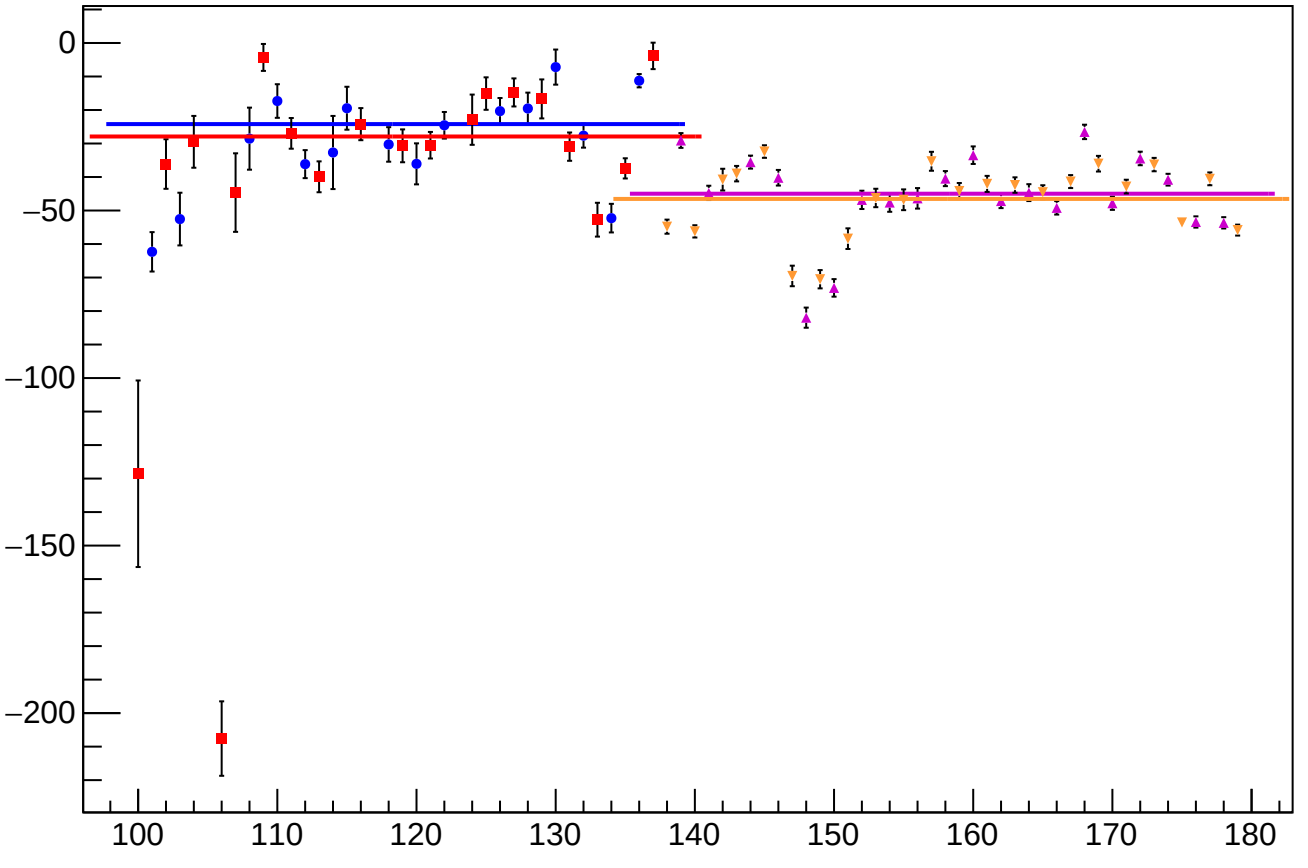
Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.853+/-0.064 χ^2/NDF:5263.9/35

Out: 11.625+/-0.061 χ^2/NDF:5810.2/40

All: 11.735+/-0.044 χ^2/NDF: 11080.7/76


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
Right In: 0.341+/-0.008 χ²/NDF: 434.8/15
Left Out: 0.488+/-0.003 χ²/NDF:523.7/21
Right Out: 0.281+/-0.008 χ²/NDF: 777.6/18
Left In: 0.476+/-0.003 χ²/NDF:773.7/19
Left: 0.482+/-0.002 χ²/NDF: 1306.2/41
Right: 0.313+/-0.006 χ²/NDF: 1239.2/34
In: 0.459+/-0.003 χ²/NDF:1463.9/35
Out: 0.466+/-0.003 χ²/NDF:1833.2/40
All: 0.462+/-0.002 χ²/NDF: 3300.2/76



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -46.539+/-0.467 χ^2/NDF:407.5/21

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -44.982+/-0.487 χ^2/NDF:536.9/19

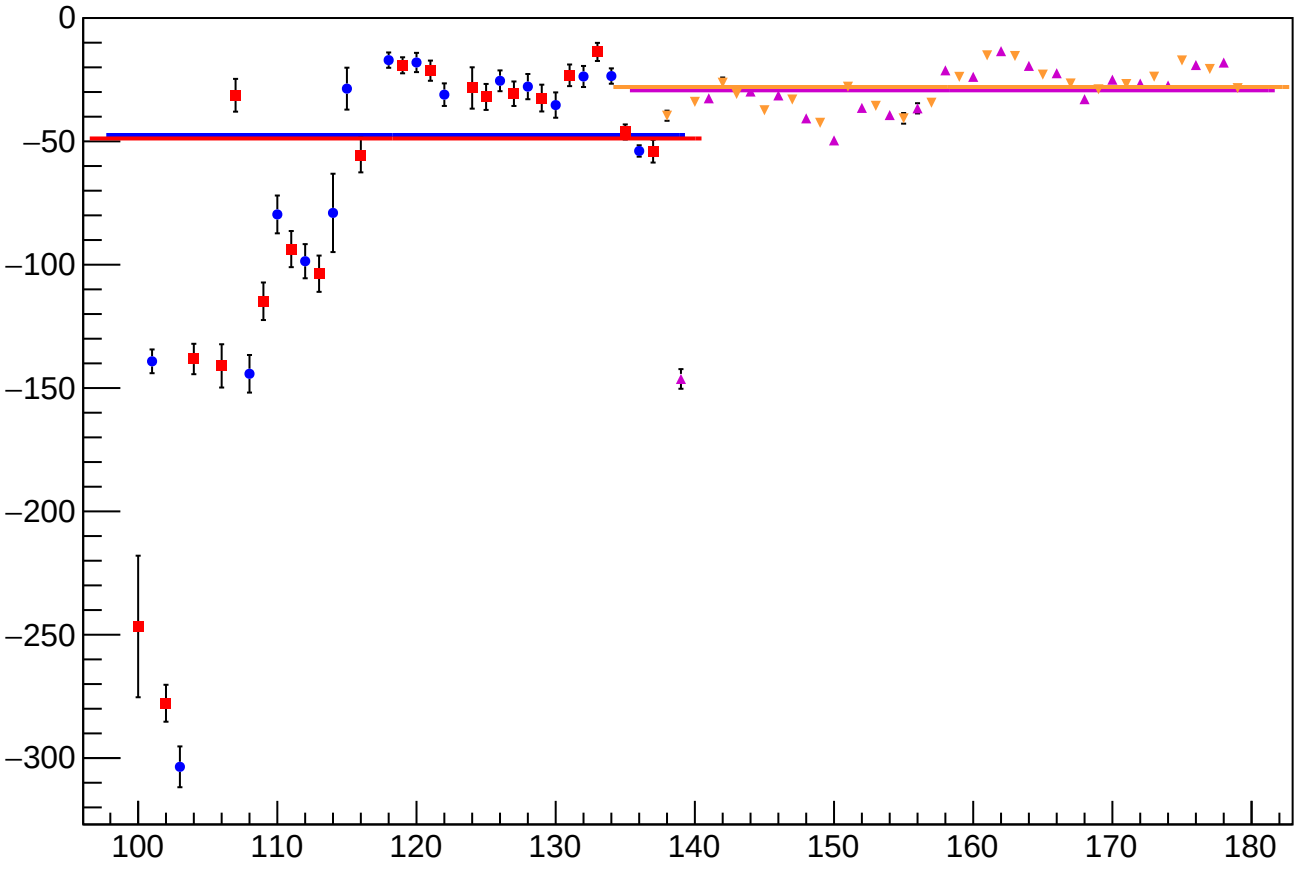
Left: -45.794+/-0.337 χ^2/NDF: 949.6/41

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -41.507+/-0.444 χ^2/NDF:1012.2/35

Out: -43.854+/-0.432 χ^2/NDF:1050.7/40

All: -42.714+/-0.310 χ^2/NDF: 2077.3/76



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.971+/-0.349 χ^2/NDF:462.4/21

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -29.312+/-0.366 χ^2/NDF:1422.3/19

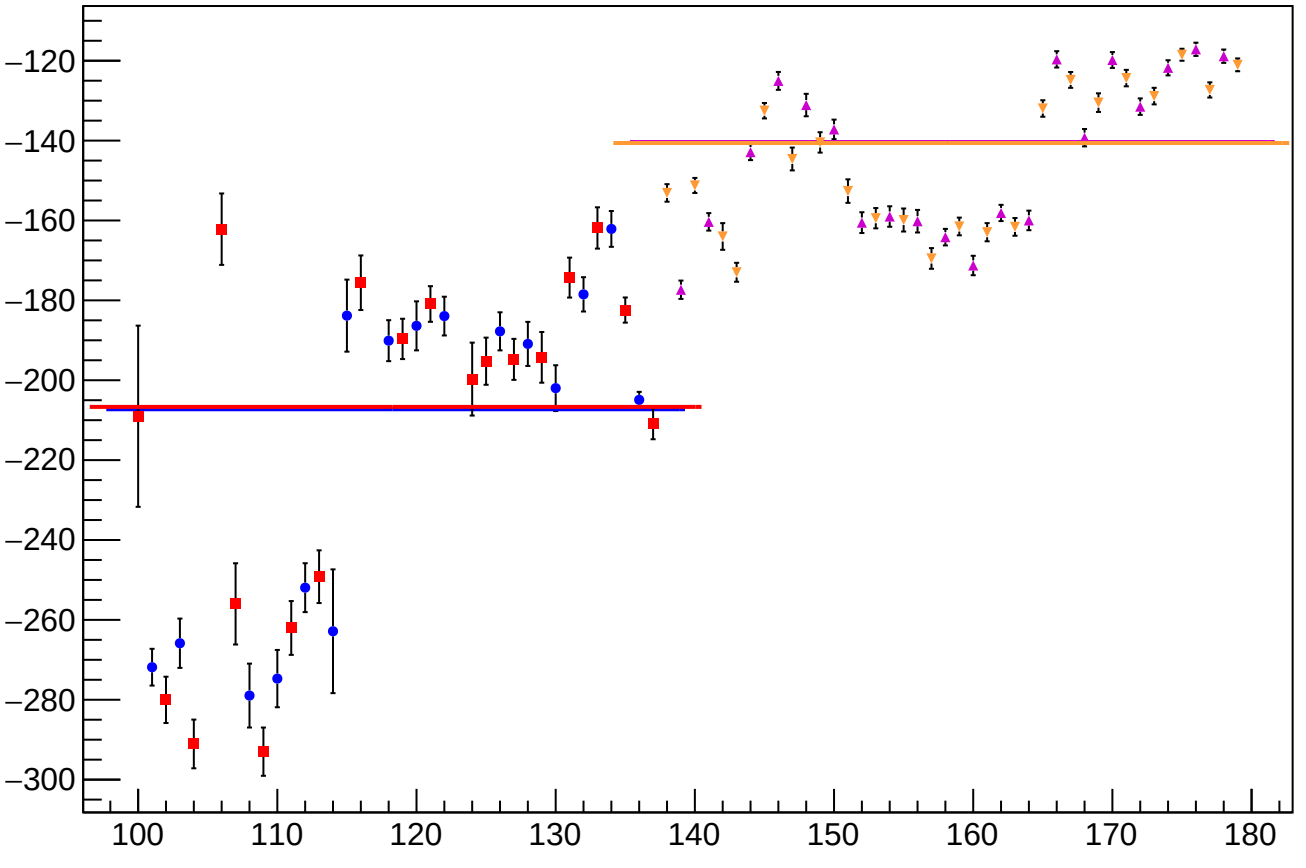
Left: -28.610+/-0.253 χ^2/NDF: 1891.8/41

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -31.115+/-0.347 χ^2/NDF:3539.4/35

Out: -29.644+/-0.335 χ^2/NDF:2523.3/40

All: -30.353+/-0.241 χ^2/NDF: 6072.0/76



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -140.604+/-0.462 χ^2/NDF:1441.1/21

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -140.352+/-0.482 χ^2/NDF:1684.6/19

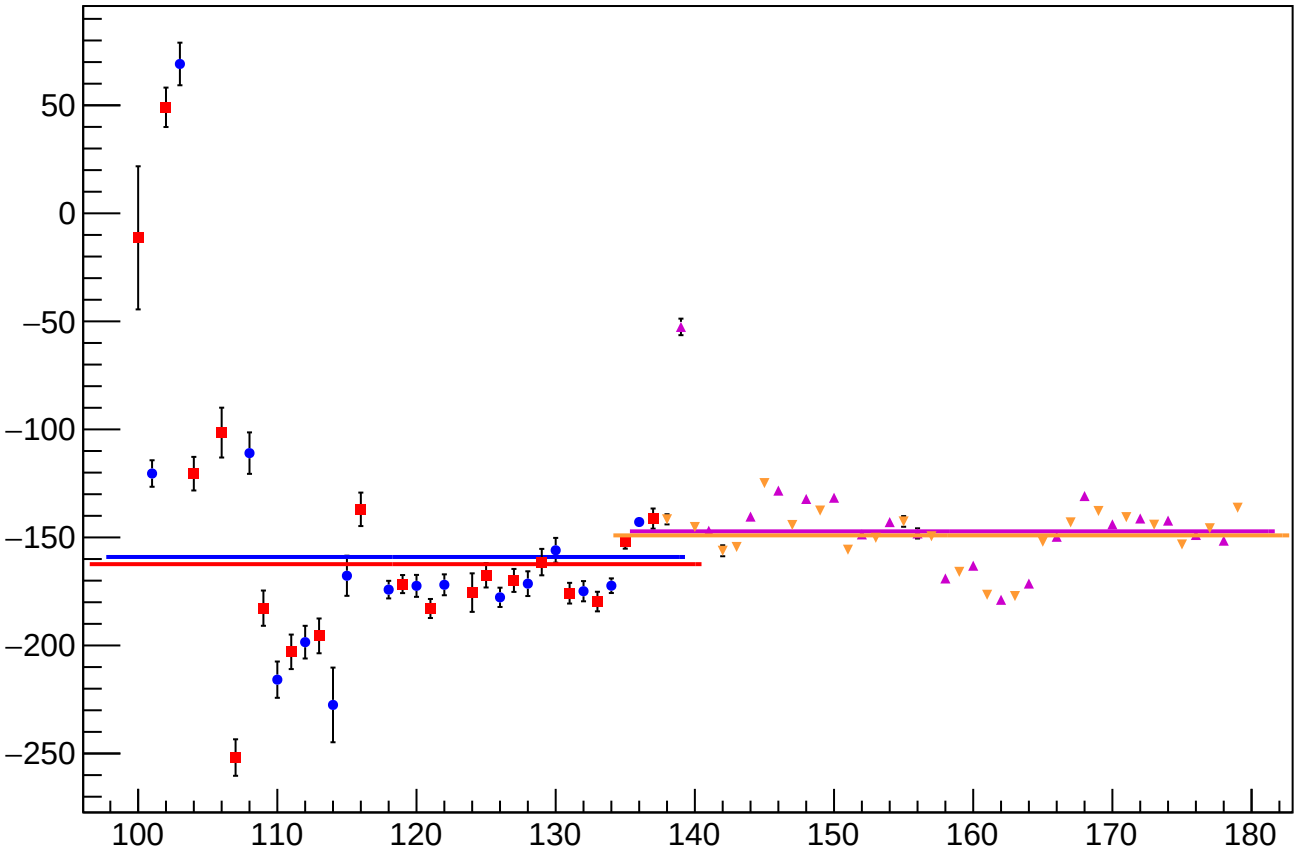
Left: -140.483+/-0.333 χ^2/NDF: 3125.8/41

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -149.930+/-0.446 χ^2/NDF:5196.3/35

Out: -148.226+/-0.435 χ^2/NDF:4769.4/40

All: -149.056+/-0.311 χ^2/NDF: 9973.2/76



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.053+/-0.393 χ^2/NDF:1063.5/21

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -147.187+/-0.411 χ^2/NDF:1720.1/19

Left: -148.160+/-0.284 χ^2/NDF: 2794.3/41

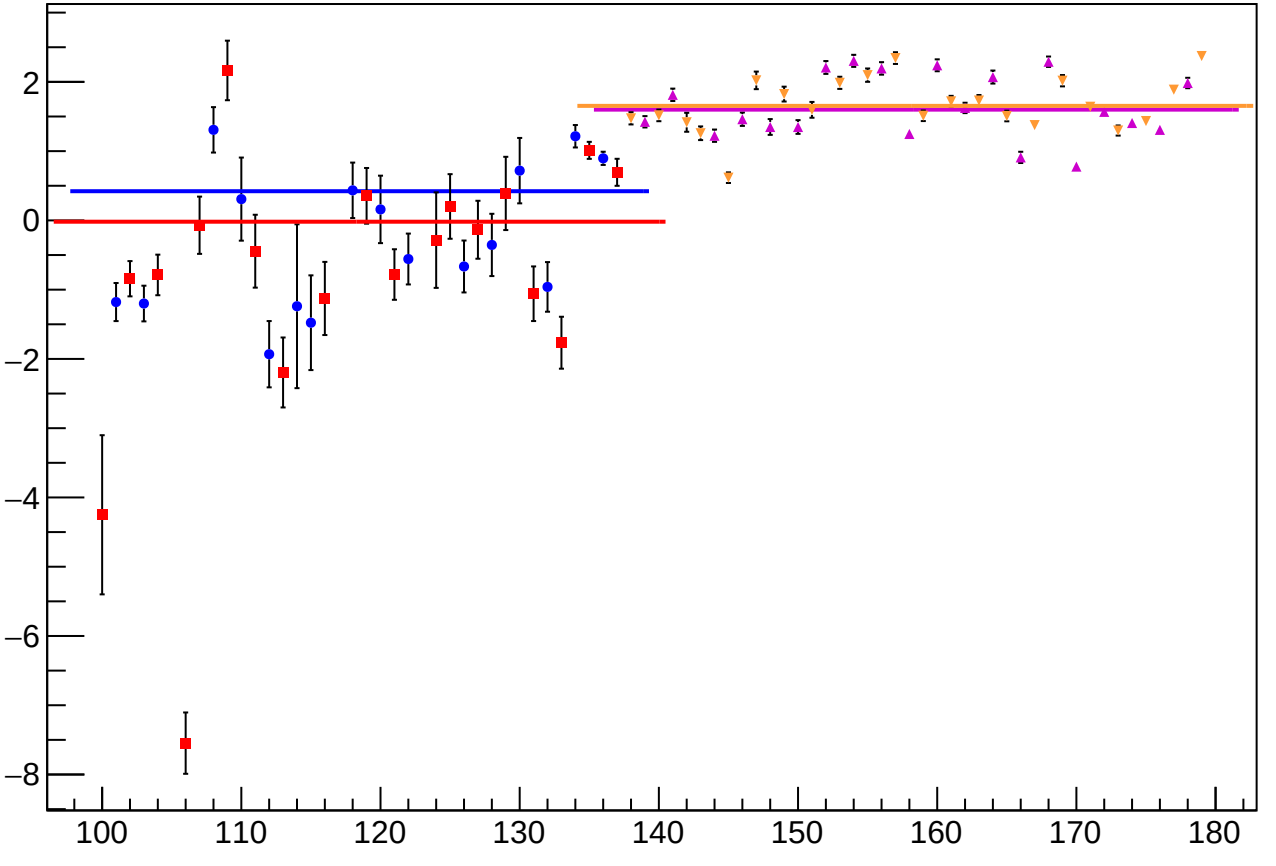
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.384+/-0.389 χ^2/NDF:2620.1/35

Out: -150.132+/-0.377 χ^2/NDF:2029.0/40

All: -149.286+/-0.271 χ^2/NDF: 4659.5/76

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.654+/-0.018 χ^2/NDF:512.8/21

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.599+/-0.018 χ^2/NDF:653.1/19

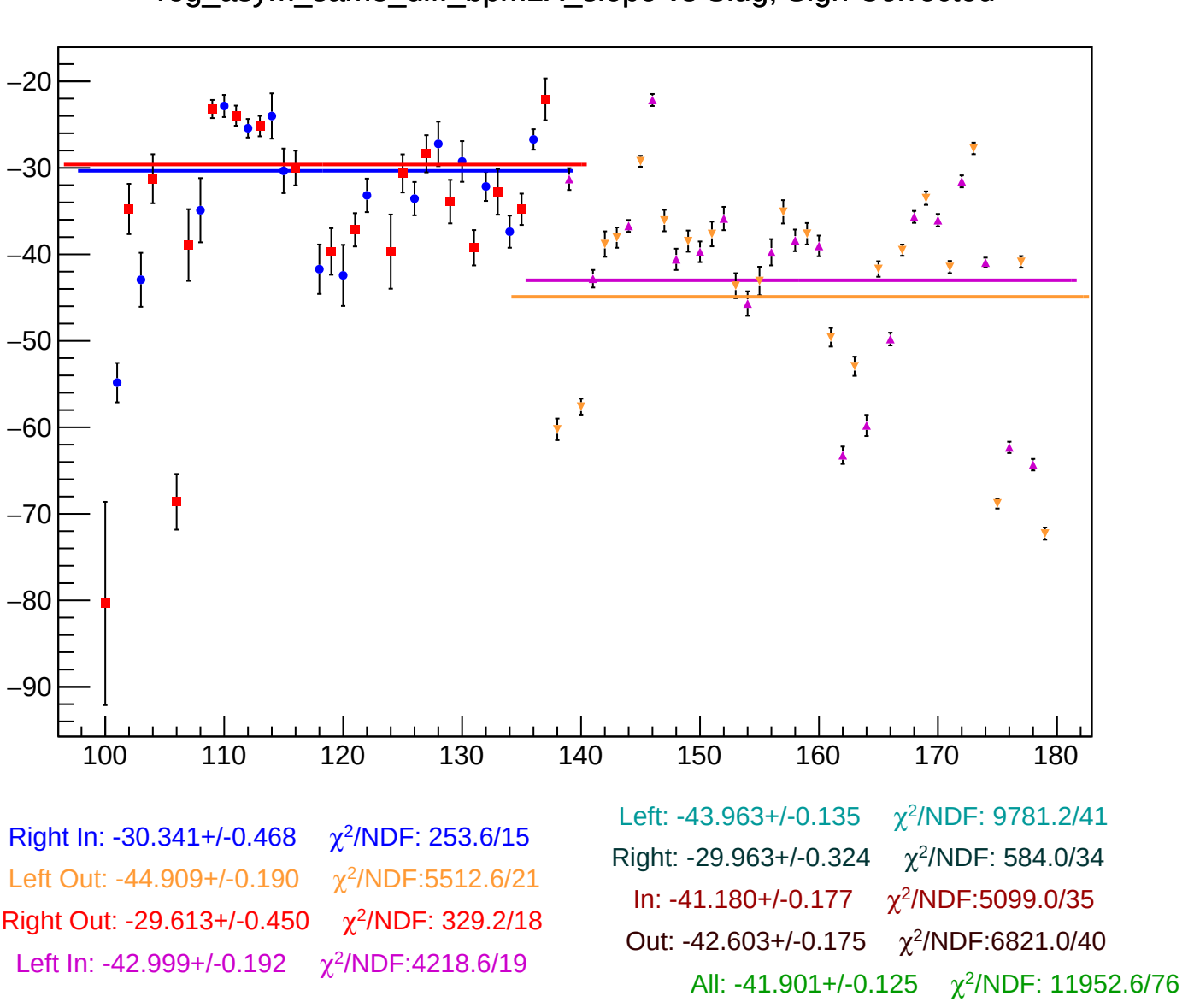
Left: 1.627+/-0.013 χ^2/NDF: 1170.5/41

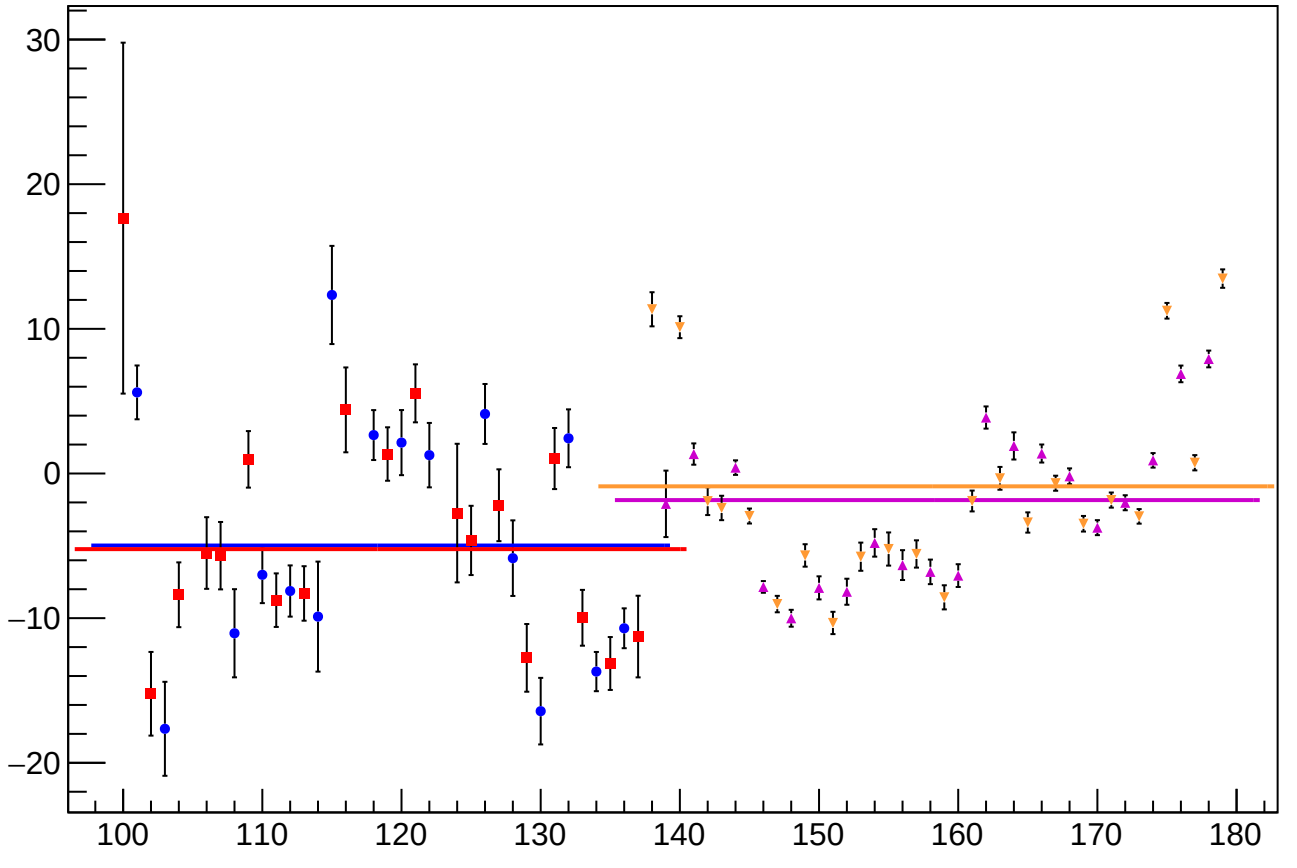
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

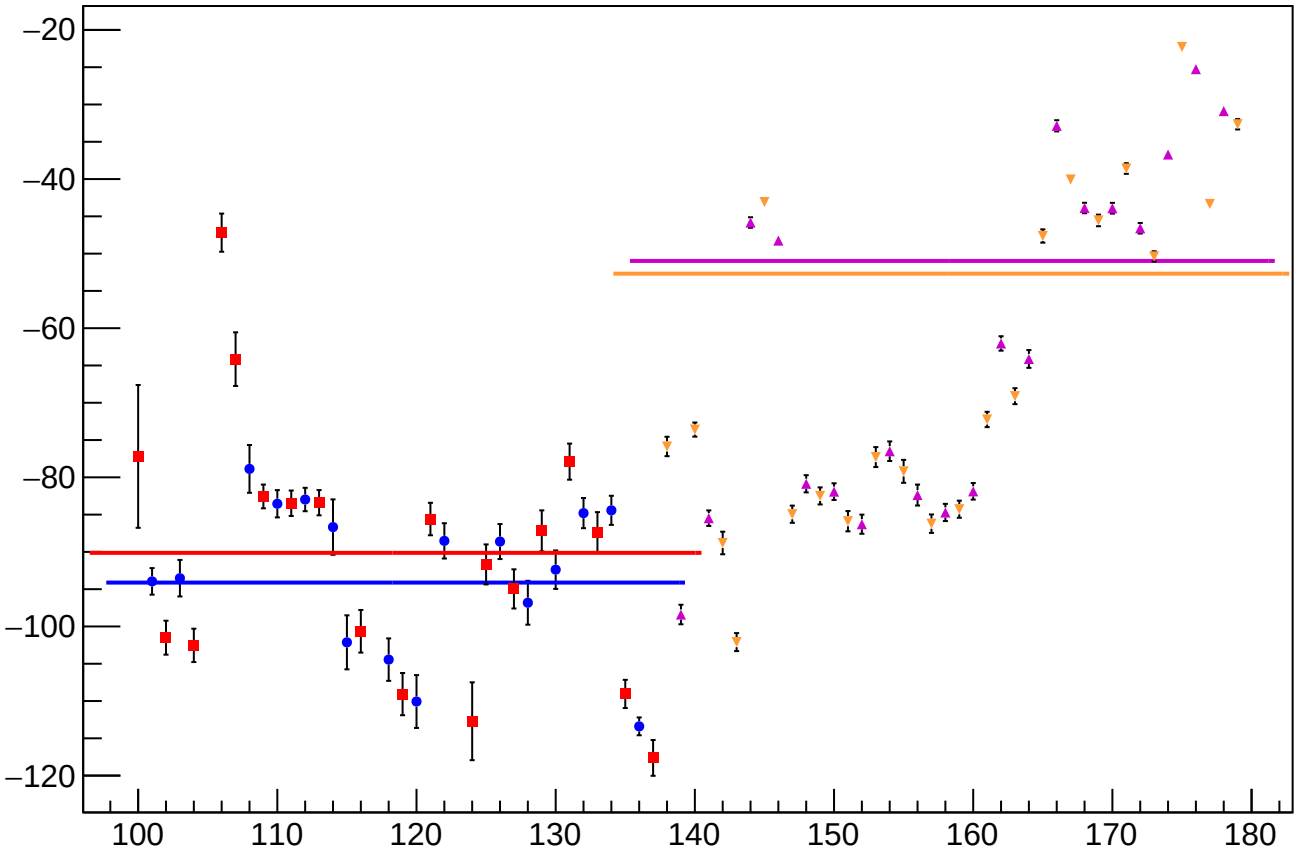
In: 1.514+/-0.017 χ^2/NDF:1157.0/35

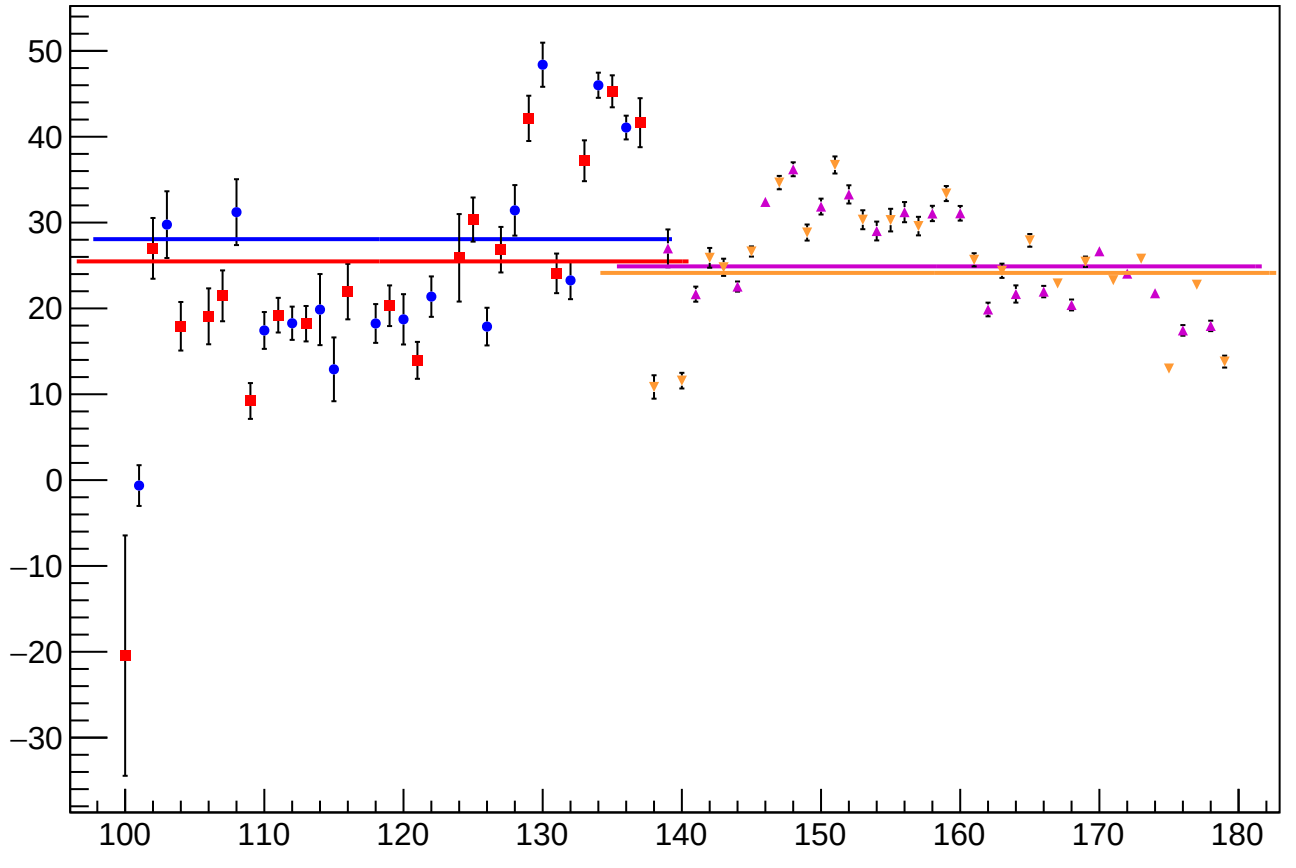
Out: 1.559+/-0.017 χ^2/NDF:1505.7/40

All: 1.537+/-0.012 χ^2/NDF: 2666.1/76


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
180
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -44.909+/-0.190 χ²/NDF:5512.6/21
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -42.999+/-0.192 χ²/NDF:4218.6/19
Left: -43.963+/-0.135 χ²/NDF: 9781.2/41
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -41.180+/-0.177 χ²/NDF:5099.0/35
Out: -42.603+/-0.175 χ²/NDF:6821.0/40
All: -41.901+/-0.125 χ²/NDF: 11952.6/76


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -0.887+/-0.142 χ²/NDF:1957.3/21
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -1.838+/-0.143 χ²/NDF:1333.2/19
Left: -1.362+/-0.101 χ²/NDF: 3312.7/41
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -2.067+/-0.137 χ²/NDF:1605.7/35
Out: -1.187+/-0.137 χ²/NDF:2157.7/40
All: -1.627+/-0.097 χ²/NDF: 3784.0/76


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -52.688+/-0.189 χ²/NDF:12723.3/21
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -50.981+/-0.191 χ²/NDF:11288.5/19
Left: -51.844+/-0.134 χ²/NDF: 24052.1/41
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -55.833+/-0.180 χ²/NDF:17481.0/35
Out: -56.735+/-0.179 χ²/NDF:17753.6/40
All: -56.288+/-0.127 χ²/NDF: 35247.3/76



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.137+/-0.160 χ^2/NDF:1525.3/21

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 24.897+/-0.161 χ^2/NDF:1145.5/19

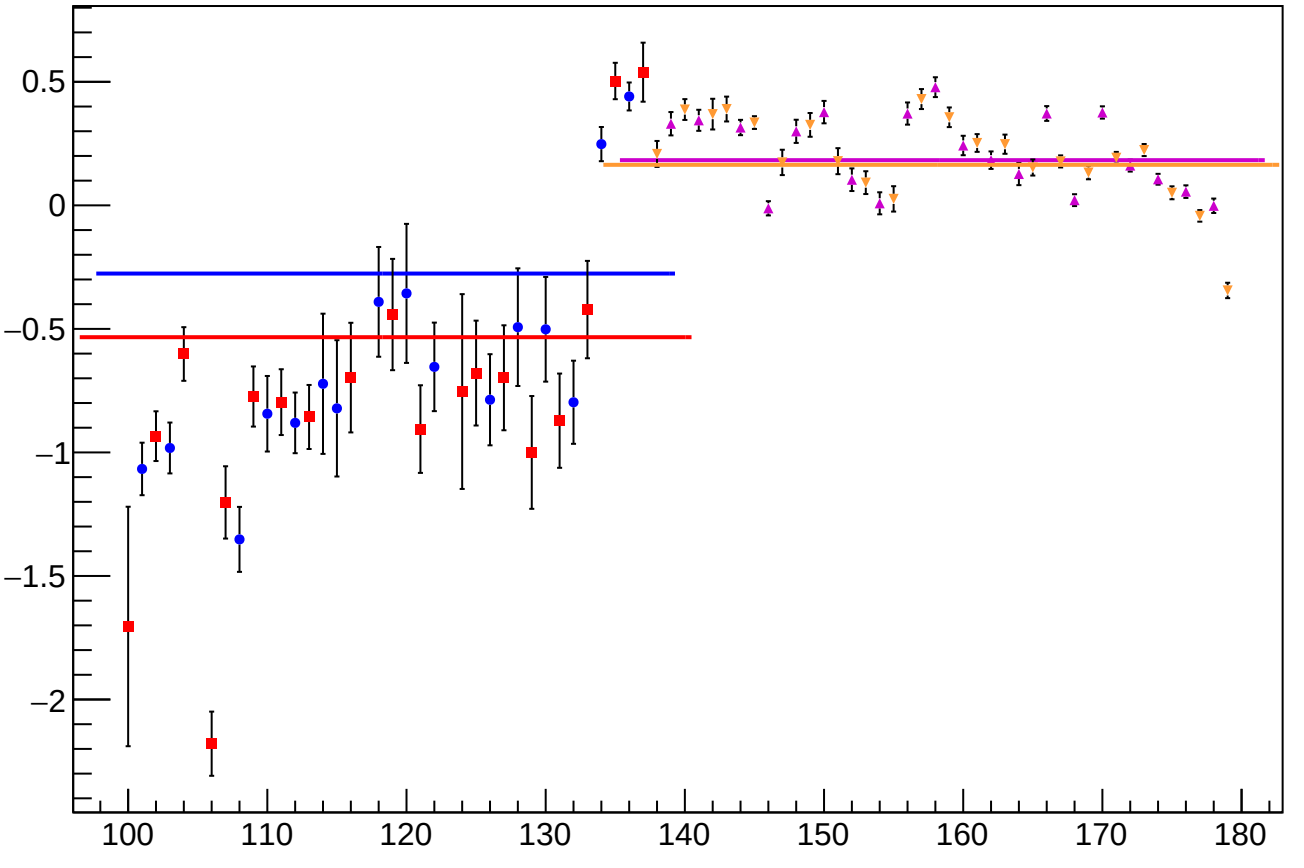
Left: 24.514+/-0.114 χ^2/NDF: 2681.9/41

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 25.133+/-0.155 χ^2/NDF:1757.4/35

Out: 24.229+/-0.154 χ^2/NDF:1884.7/40

All: 24.678+/-0.109 χ^2/NDF: 3659.1/76



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.164+/-0.007 χ^2/NDF:574.3/21

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.183+/-0.007 χ^2/NDF:429.7/19

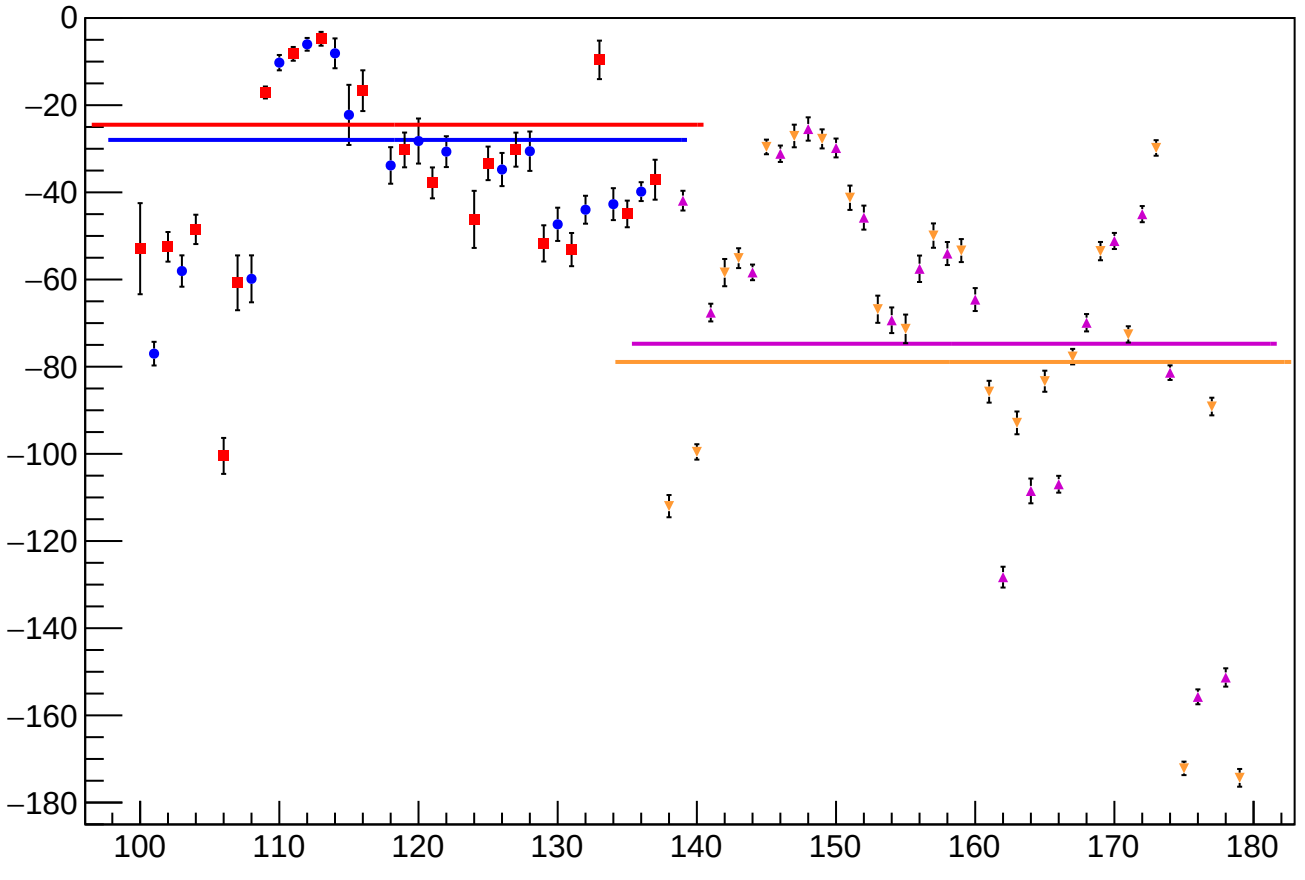
Left: 0.173+/-0.005 χ^2/NDF: 1007.4/41

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.159+/-0.007 χ^2/NDF:1097.9/35

Out: 0.132+/-0.007 χ^2/NDF:1515.1/40

All: 0.145+/-0.005 χ^2/NDF: 2620.1/76



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -78.914+/-0.466 χ^2/NDF:9486.2/21

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -74.737+/-0.479 χ^2/NDF:6765.4/19

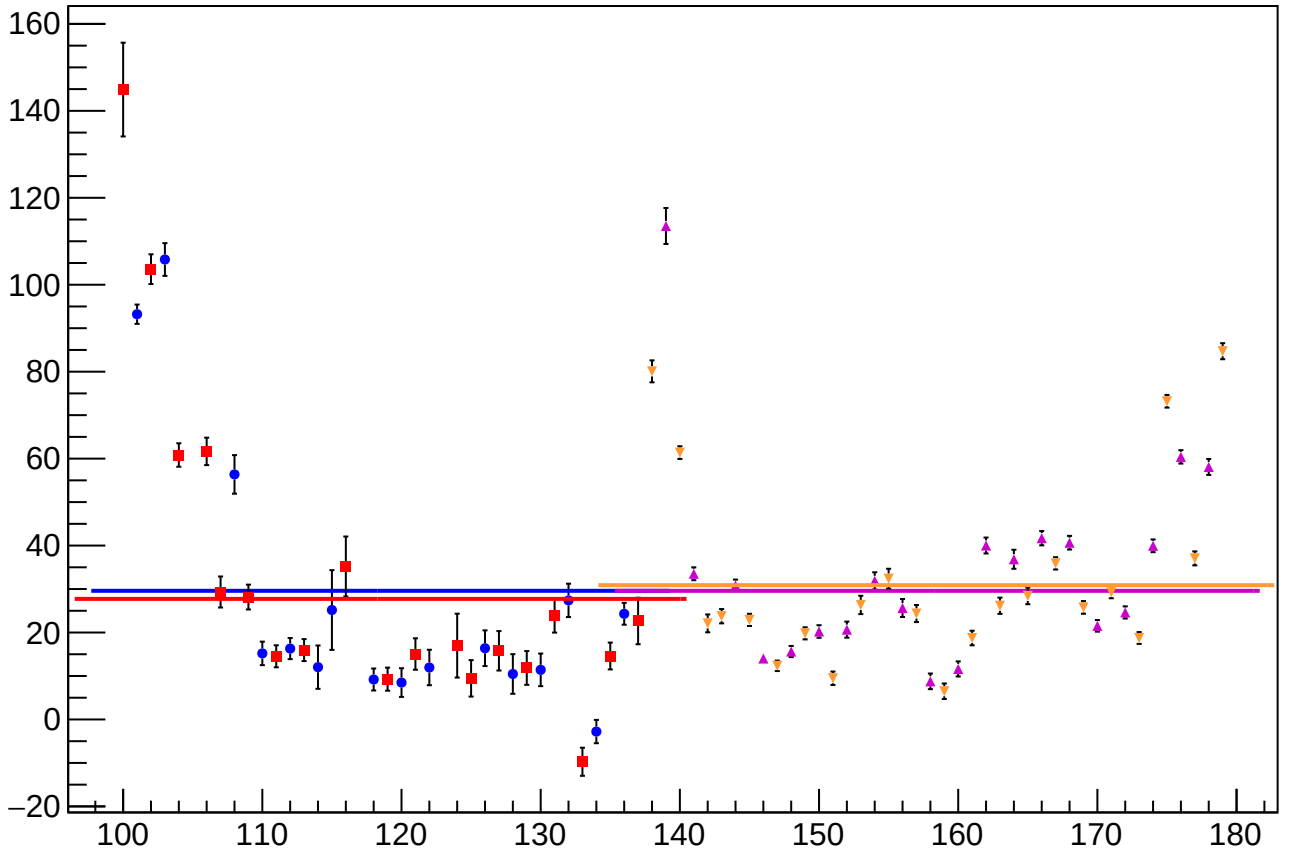
Left: -76.883+/-0.334 χ^2/NDF: 16290.6/41

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -60.588+/-0.400 χ^2/NDF:10542.0/35

Out: -60.903+/-0.381 χ^2/NDF:14987.2/40

All: -60.753+/-0.276 χ^2/NDF: 25529.6/76



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 30.893+/-0.344 χ^2/NDF:3448.6/21

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 29.589+/-0.356 χ^2/NDF:1919.4/19

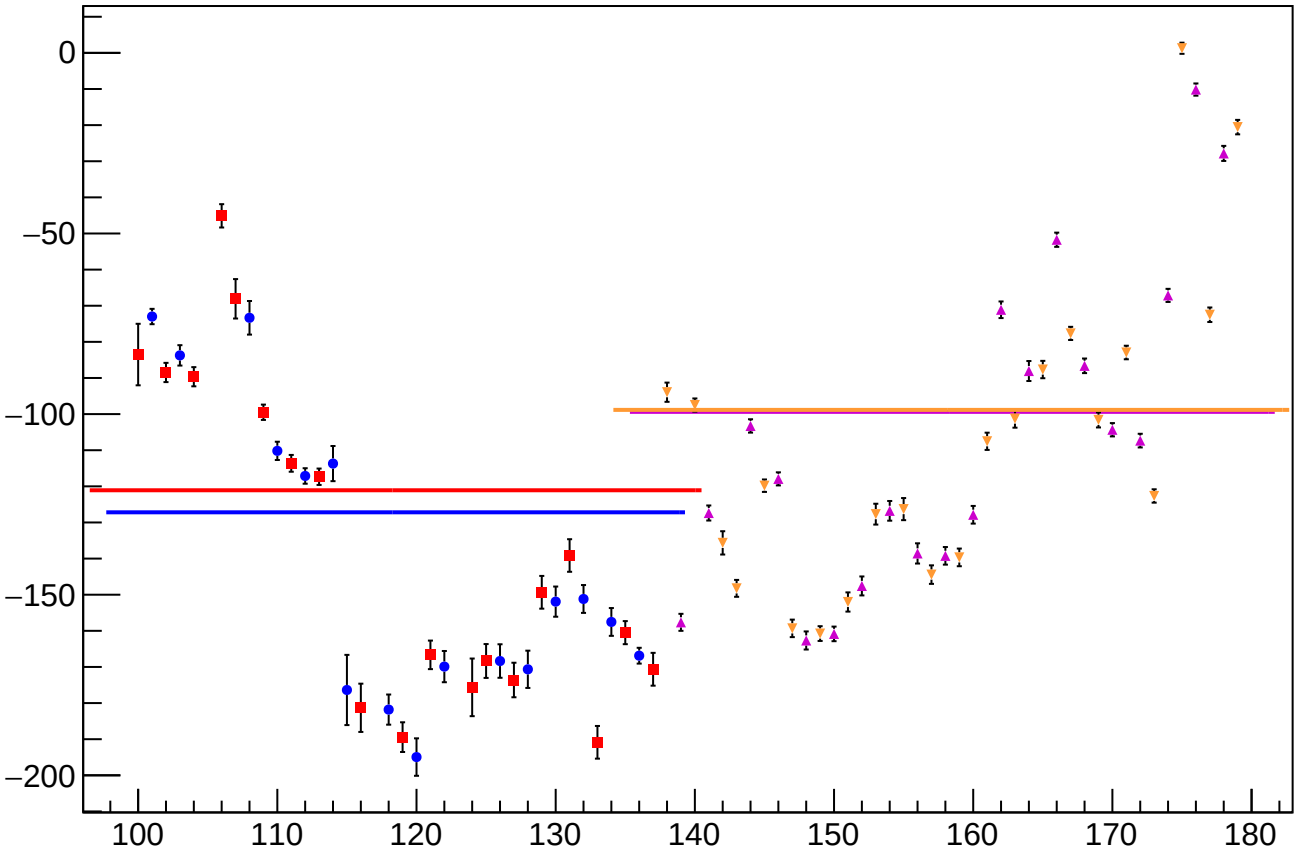
Left: 30.263+/-0.248 χ^2/NDF: 5375.0/41

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 29.590+/-0.326 χ^2/NDF:3585.1/35

Out: 30.397+/-0.316 χ^2/NDF:4647.0/40

All: 30.005+/-0.227 χ^2/NDF: 8235.2/76



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -98.833+/-0.462 χ^2/NDF:9756.4/21

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -99.378+/-0.475 χ^2/NDF:8602.5/19

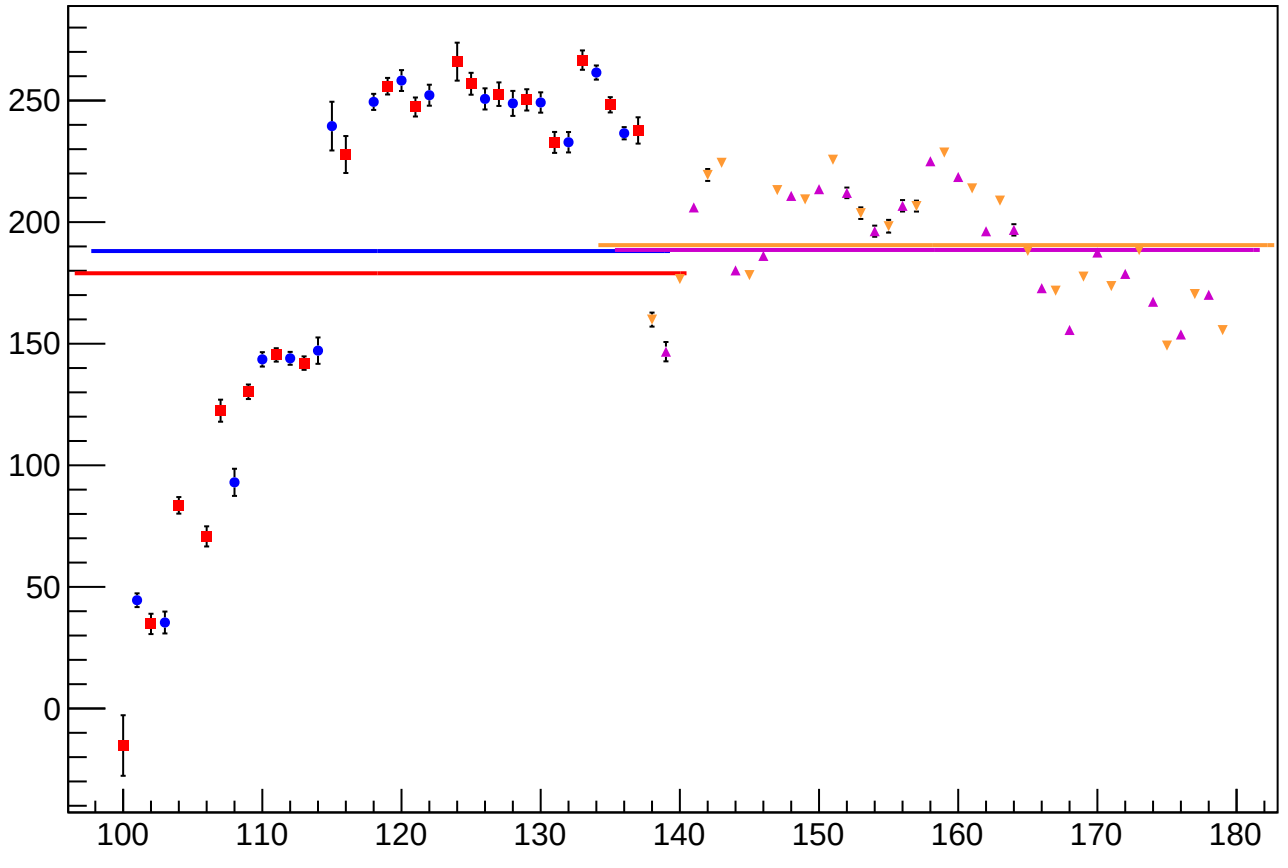
Left: -99.098+/-0.331 χ^2/NDF: 18359.6/41

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -106.244+/-0.412 χ^2/NDF:11627.6/35

Out: -104.424+/-0.400 χ^2/NDF:12736.5/40

All: -105.306+/-0.287 χ^2/NDF: 24374.1/76



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 190.539+/-0.391 χ^2/NDF:3565.4/21

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 188.549+/-0.403 χ^2/NDF:2633.4/19

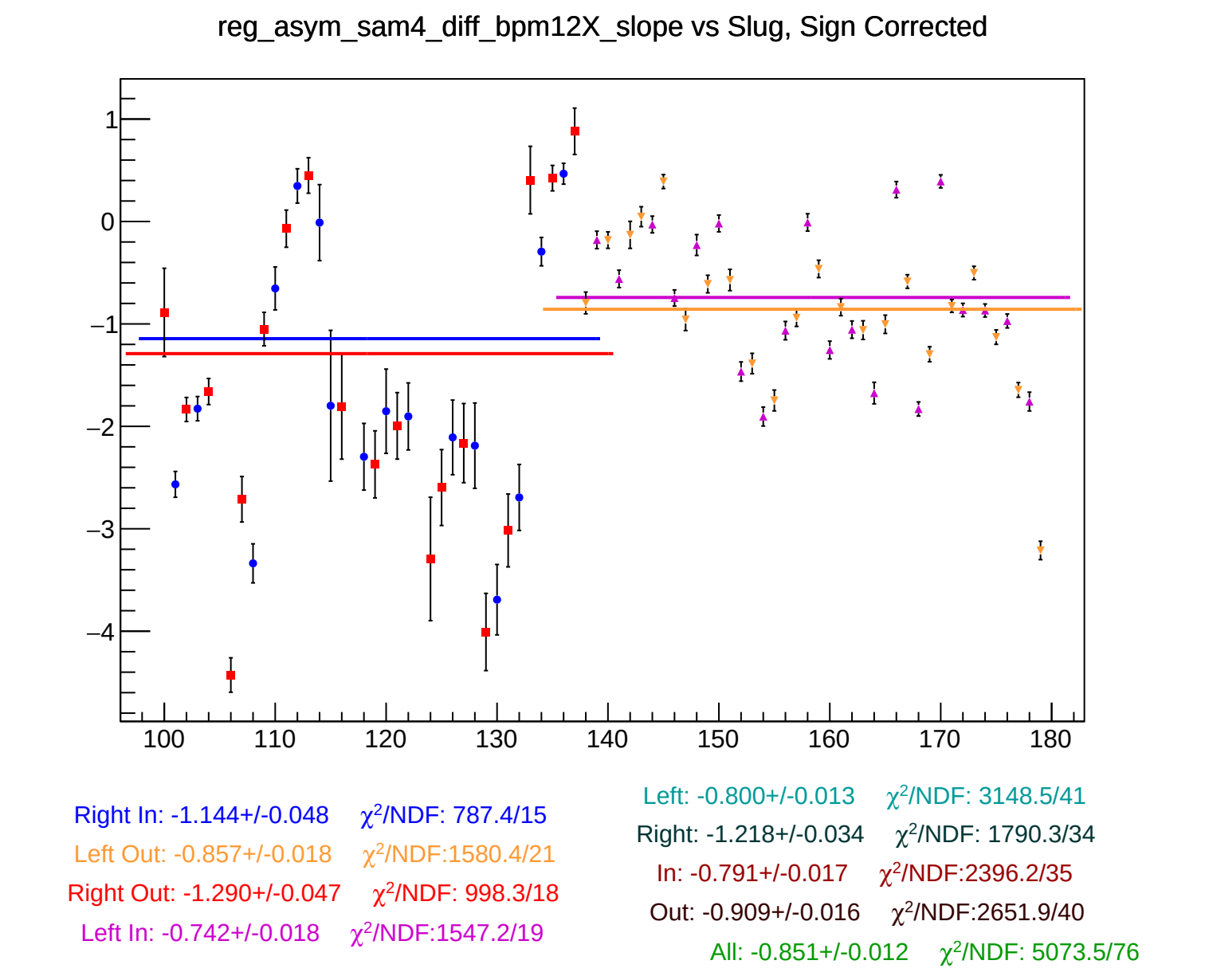
Left: 189.575+/-0.280 χ^2/NDF: 6211.4/41

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 188.478+/-0.369 χ^2/NDF:9752.3/35

Out: 188.732+/-0.359 χ^2/NDF:10371.1/40

All: 188.609+/-0.257 χ^2/NDF: 20123.6/76


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
1
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−1
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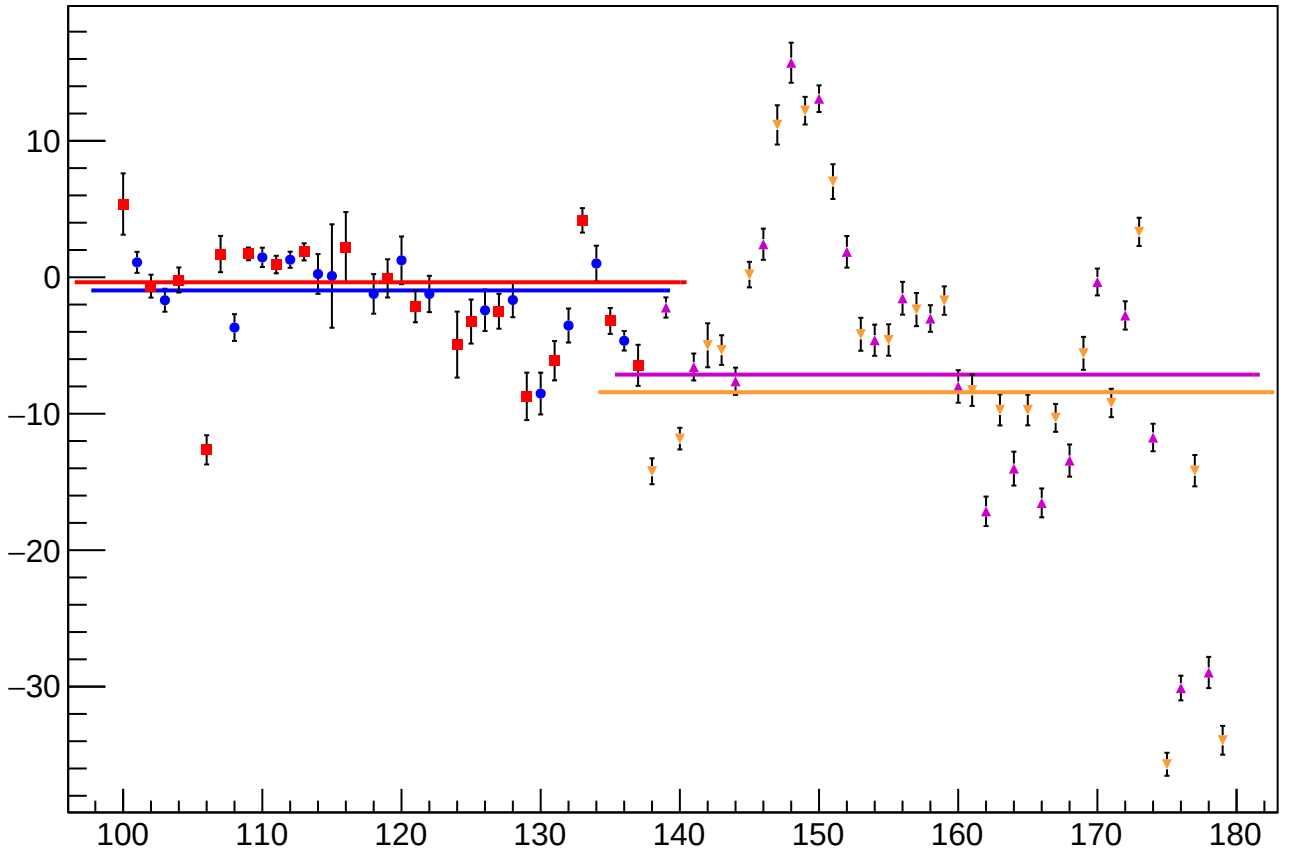
160
170
180
Right In: -1.144+/-0.048 χ²/NDF: 787.4/15
Left Out: -0.857+/-0.018 χ²/NDF:1580.4/21
Right Out: -1.290+/-0.047 χ²/NDF: 998.3/18
Left In: -0.742+/-0.018 χ²/NDF:1547.2/19
Left: -0.800+/-0.013 χ²/NDF: 3148.5/41
Right: -1.218+/-0.034 χ²/NDF: 1790.3/34
In: -0.791+/-0.017 χ²/NDF:2396.2/35
Out: -0.909+/-0.016 χ²/NDF:2651.9/40
All: -0.851+/-0.012 χ²/NDF: 5073.5/76



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -8.423+/-0.229 χ^2/NDF:2785.1/21

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -7.132+/-0.235 χ^2/NDF:2211.2/19

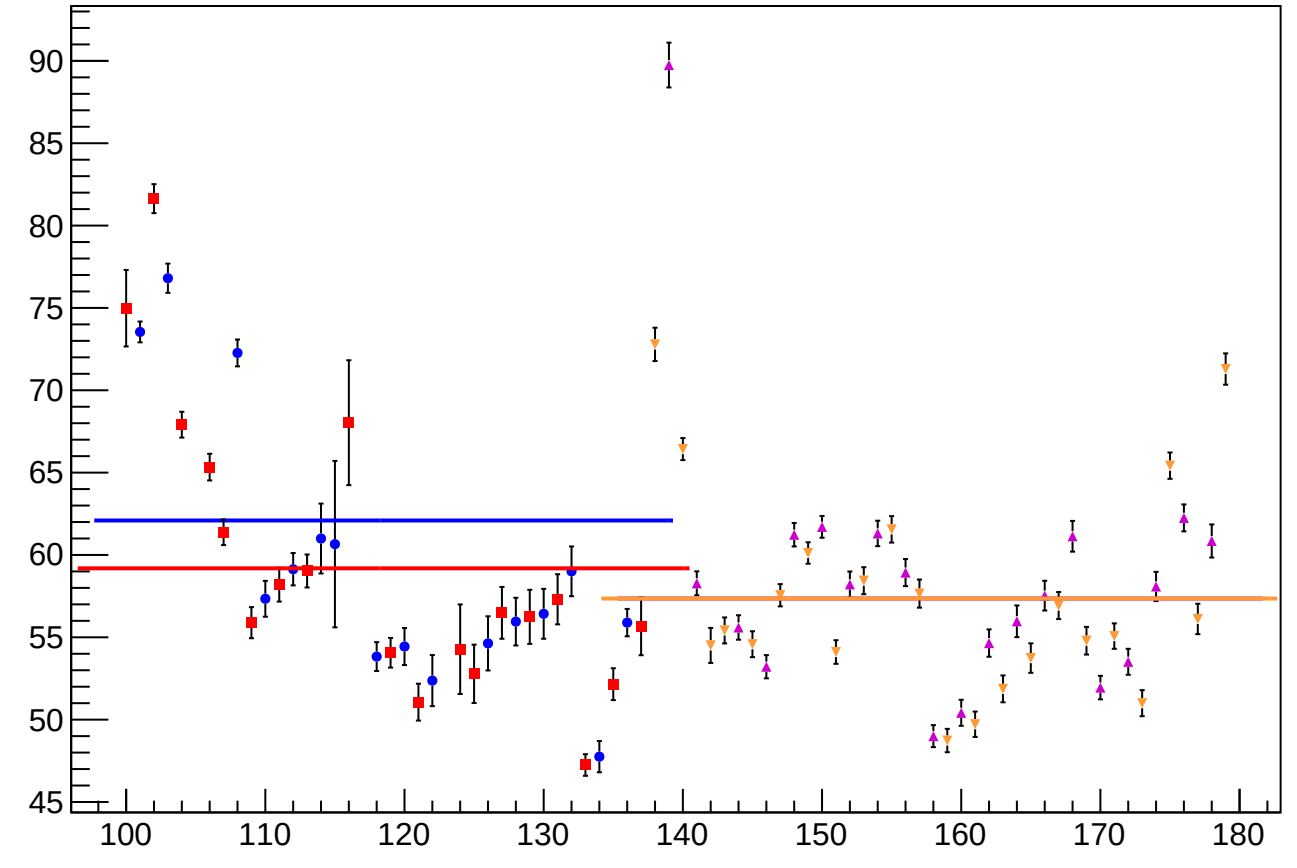
Left: -7.794+/-0.164 χ^2/NDF: 5011.8/41

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -4.280+/-0.172 χ^2/NDF:2633.5/35

Out: -4.301+/-0.160 χ^2/NDF:3699.3/40

All: -4.291+/-0.117 χ^2/NDF: 6332.7/76



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.353+/-0.170 χ^2/NDF:1217.7/21

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.356+/-0.178 χ^2/NDF:1106.0/19

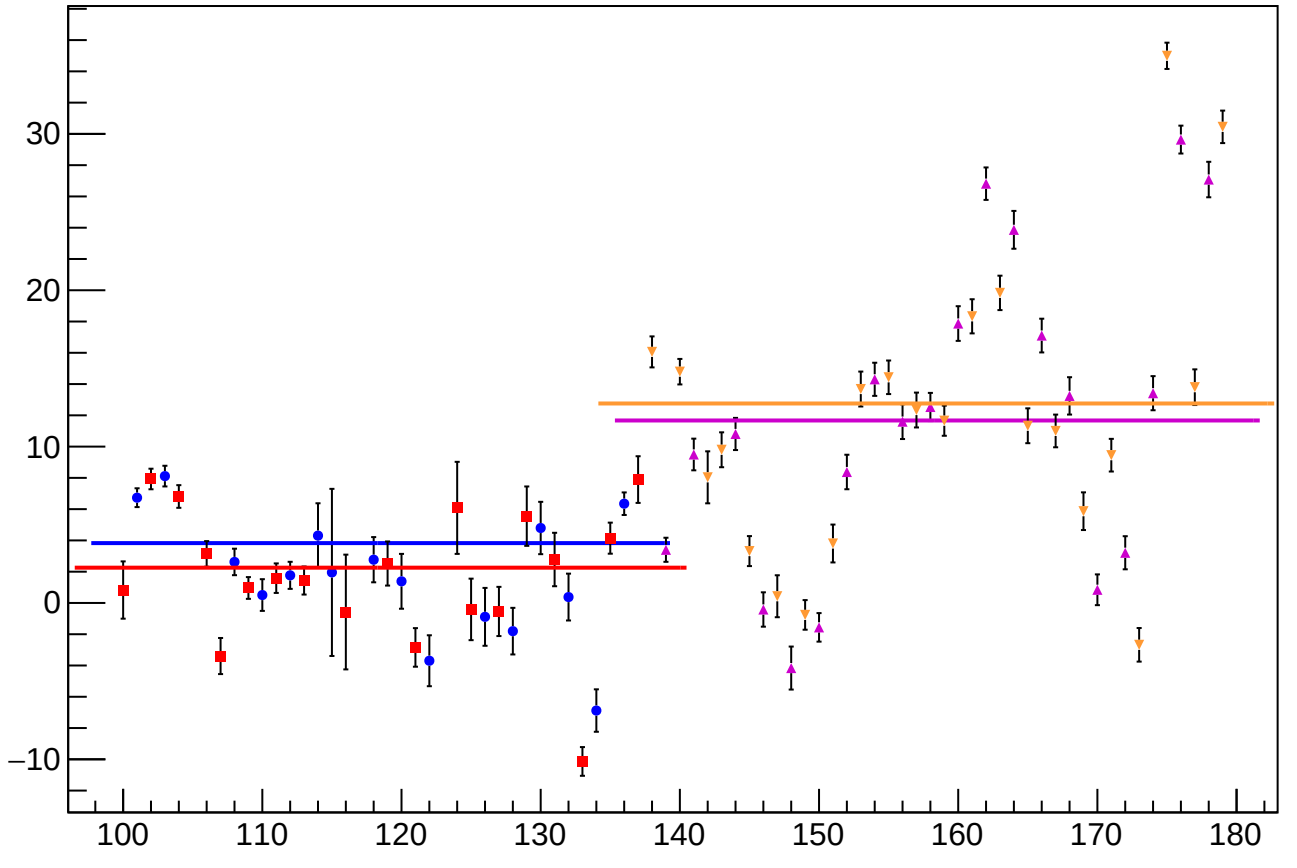
Left: 57.355+/-0.123 χ^2/NDF: 2323.7/41

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.831+/-0.148 χ^2/NDF:2626.7/35

Out: 57.953+/-0.139 χ^2/NDF:2658.0/40

All: 58.365+/-0.101 χ^2/NDF: 5303.4/76


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
30
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−10
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140
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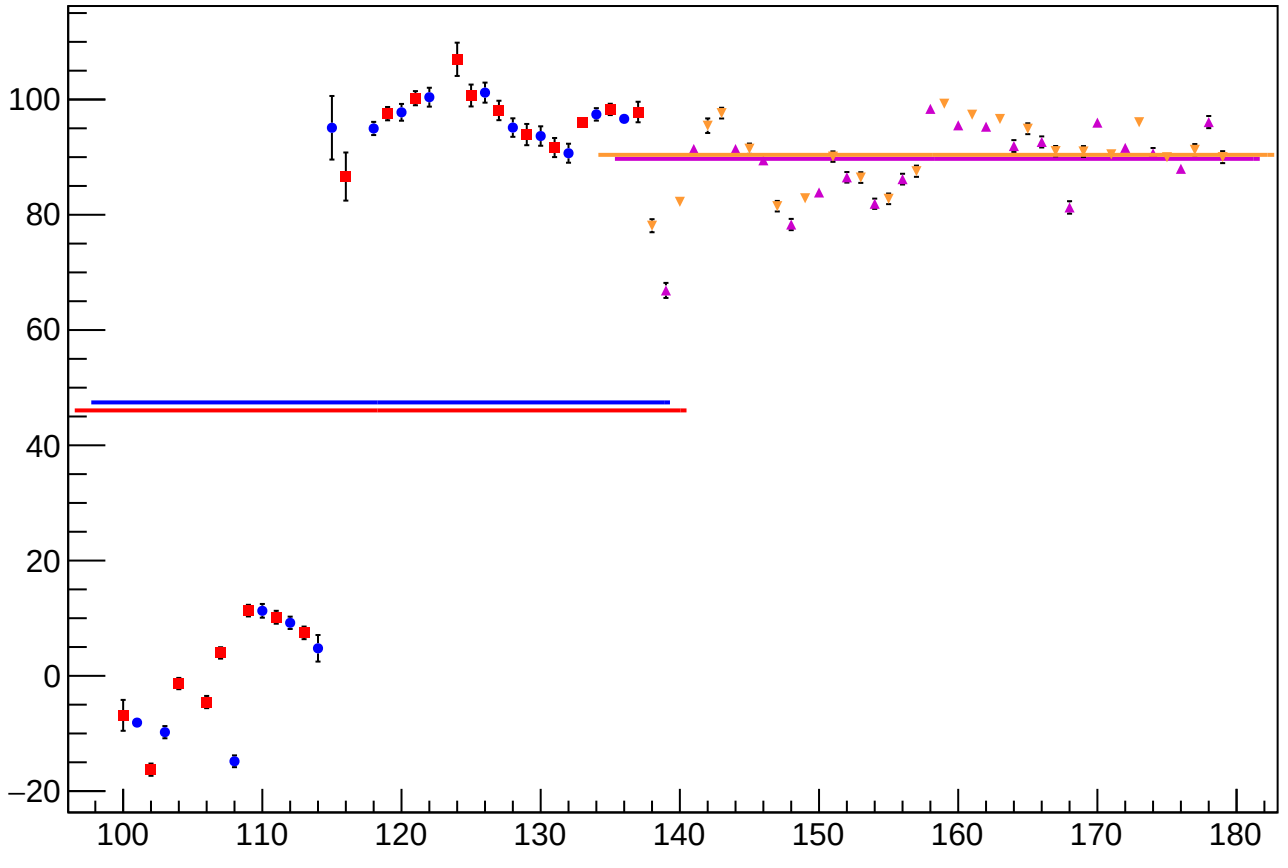
170
180
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 12.758+/-0.226 χ²/NDF:1788.3/21
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 11.671+/-0.231 χ²/NDF:1751.3/19
Left: 12.227+/-0.161 χ²/NDF: 3550.9/41
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 8.285+/-0.174 χ²/NDF:2456.7/35
Out: 7.969+/-0.166 χ²/NDF:3147.7/40
All: 8.120+/-0.120 χ²/NDF: 5606.1/76



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.398+/-0.192 χ^2/NDF:918.5/21

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.704+/-0.200 χ^2/NDF:1039.3/19

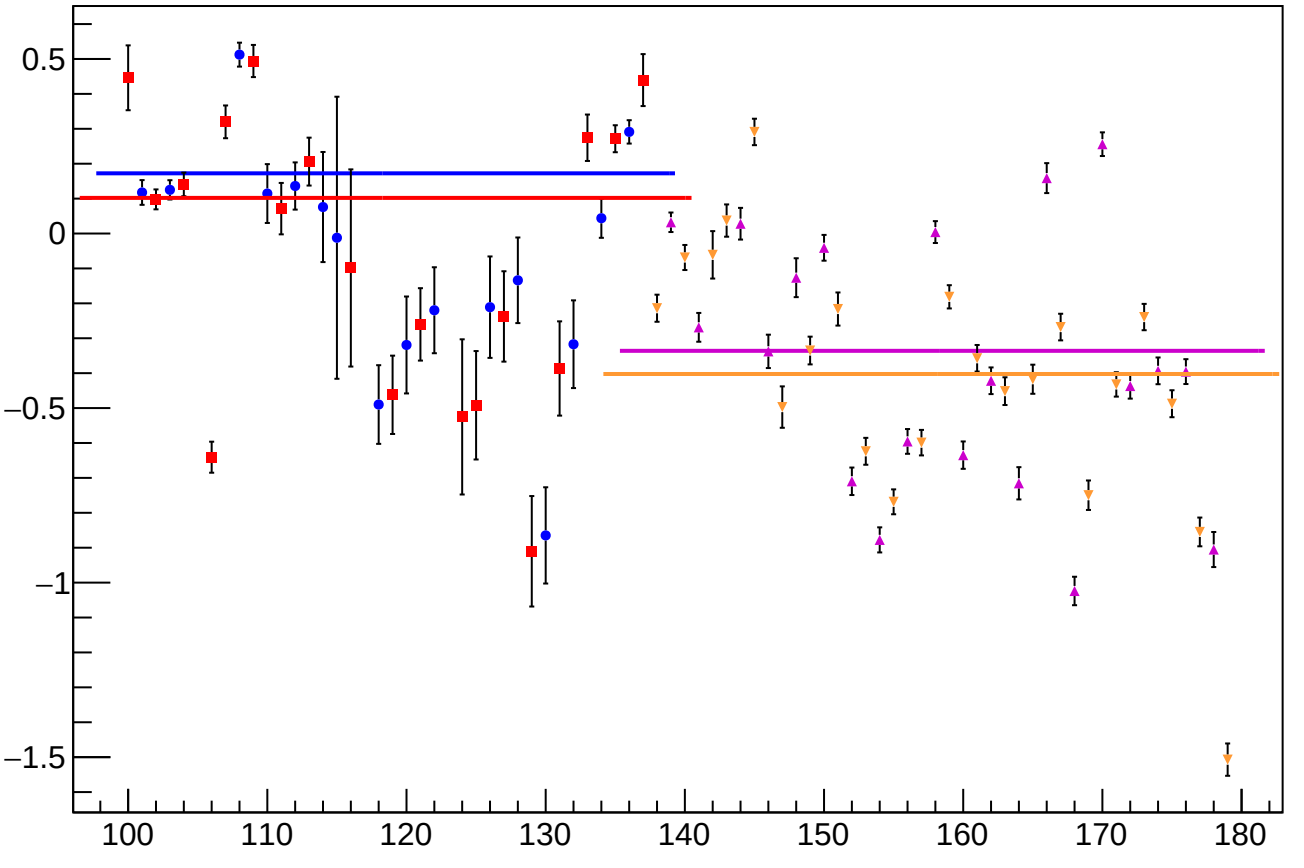
Left: 90.065+/-0.139 χ^2/NDF: 1964.1/41

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 77.165+/-0.168 χ^2/NDF:41162.1/35

Out: 76.503+/-0.159 χ^2/NDF:46506.6/40

All: 76.817+/-0.115 χ^2/NDF: 87676.9/76



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.402+/-0.009 χ^2/NDF:1590.6/21

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.336+/-0.009 χ^2/NDF:1801.7/19

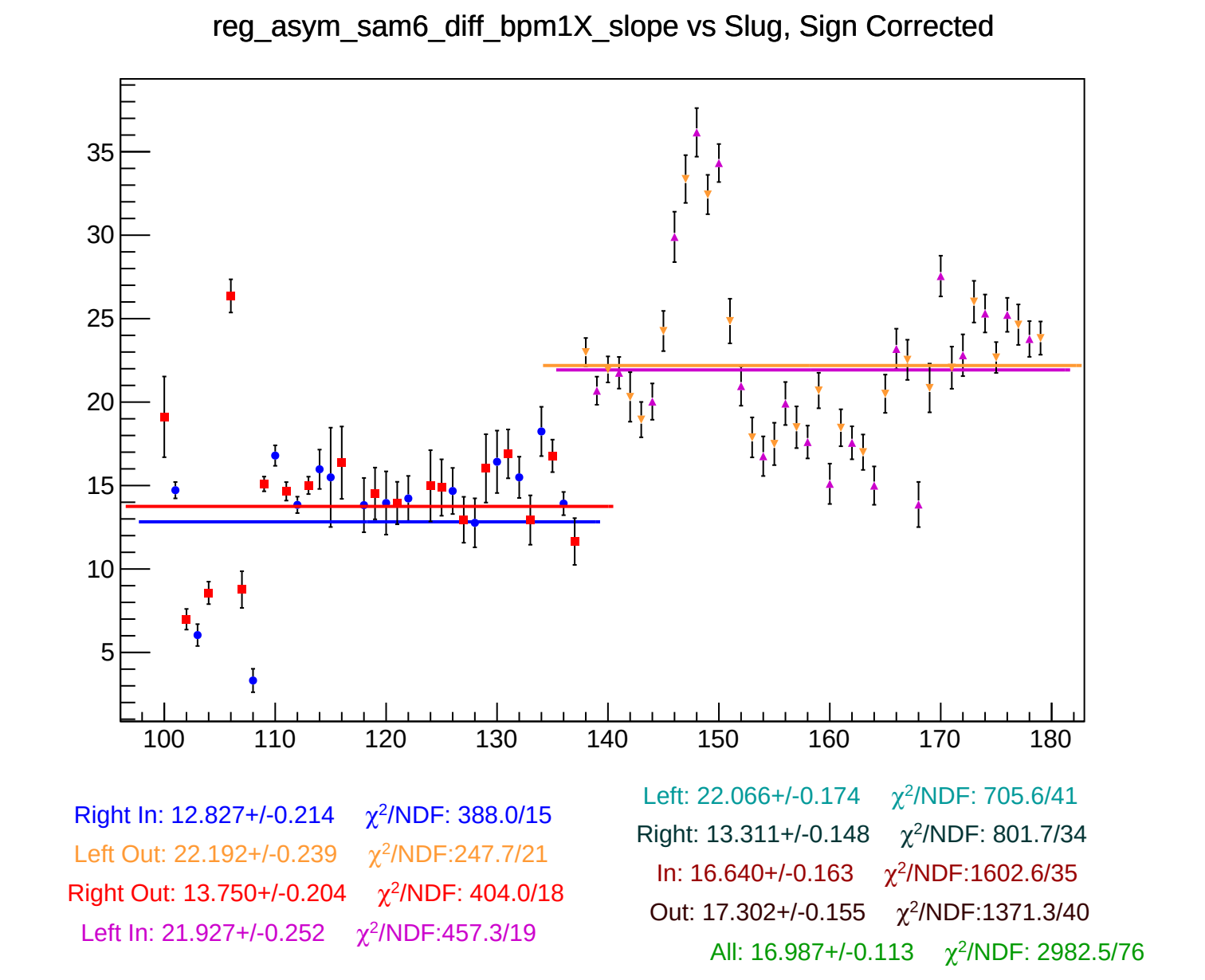
Left: -0.369+/-0.006 χ^2/NDF: 3422.2/41

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.199+/-0.007 χ^2/NDF:3009.7/35

Out: -0.257+/-0.007 χ^2/NDF:3151.2/40

All: -0.229+/-0.005 χ^2/NDF: 6193.0/76


reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected
35
30
25
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15
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5
100
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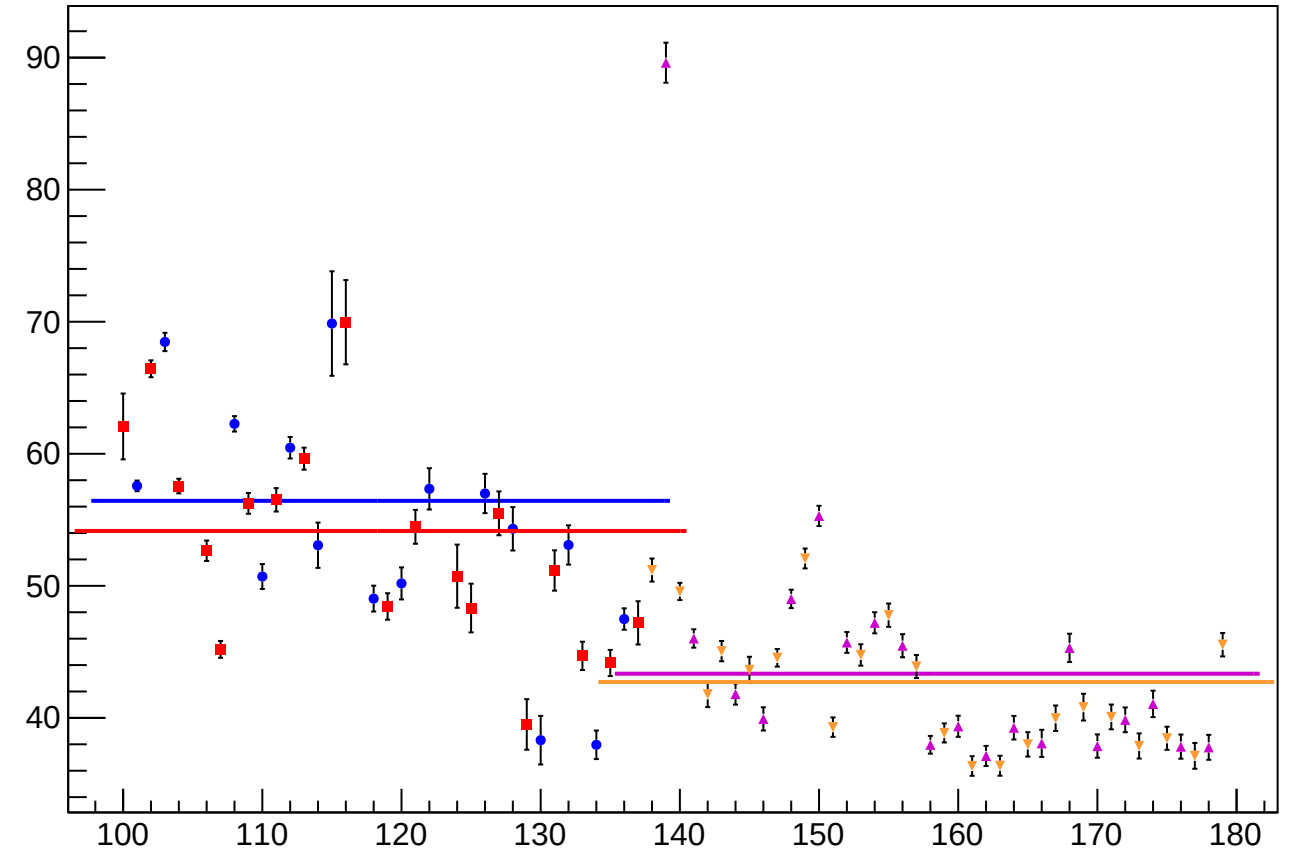
150
160
170
180
Right In: 12.827+/-0.214 χ²/NDF: 388.0/15
Left Out: 22.192+/-0.239 χ²/NDF:247.7/21
Right Out: 13.750+/-0.204 χ²/NDF: 404.0/18
Left In: 21.927+/-0.252 χ²/NDF:457.3/19
Left: 22.066+/-0.174 χ²/NDF: 705.6/41
Right: 13.311+/-0.148 χ²/NDF: 801.7/34
In: 16.640+/-0.163 χ²/NDF:1602.6/35
Out: 17.302+/-0.155 χ²/NDF:1371.3/40
All: 16.987+/-0.113 χ²/NDF: 2982.5/76



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.722+/-0.177 χ^2/NDF:750.1/21

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.347+/-0.189 χ^2/NDF:1647.1/19

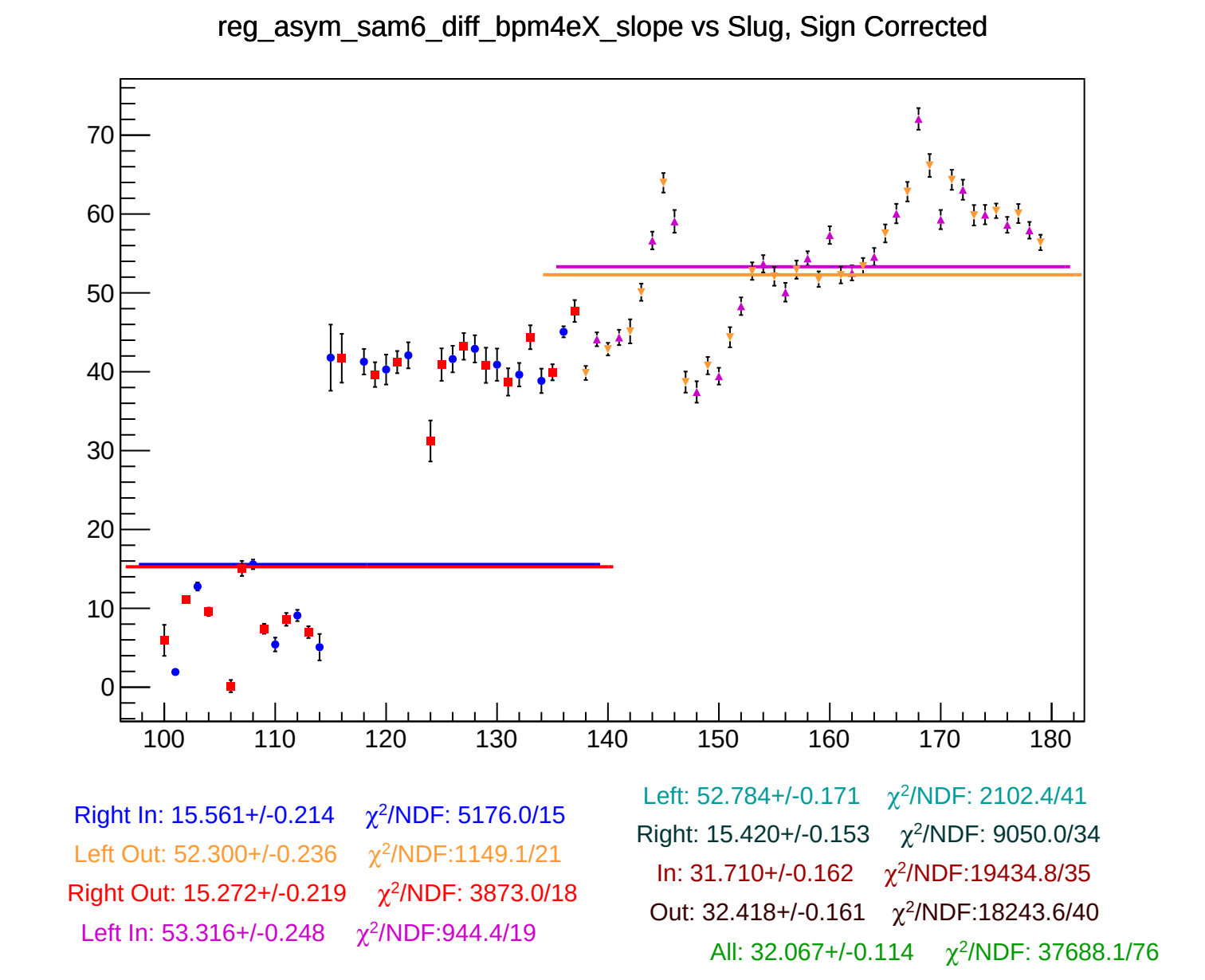
Left: 43.013+/-0.129 χ^2/NDF: 2403.0/41

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 48.865+/-0.144 χ^2/NDF:4750.0/35

Out: 47.102+/-0.139 χ^2/NDF:3356.7/40

All: 47.952+/-0.100 χ^2/NDF: 8184.3/76


reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected
70
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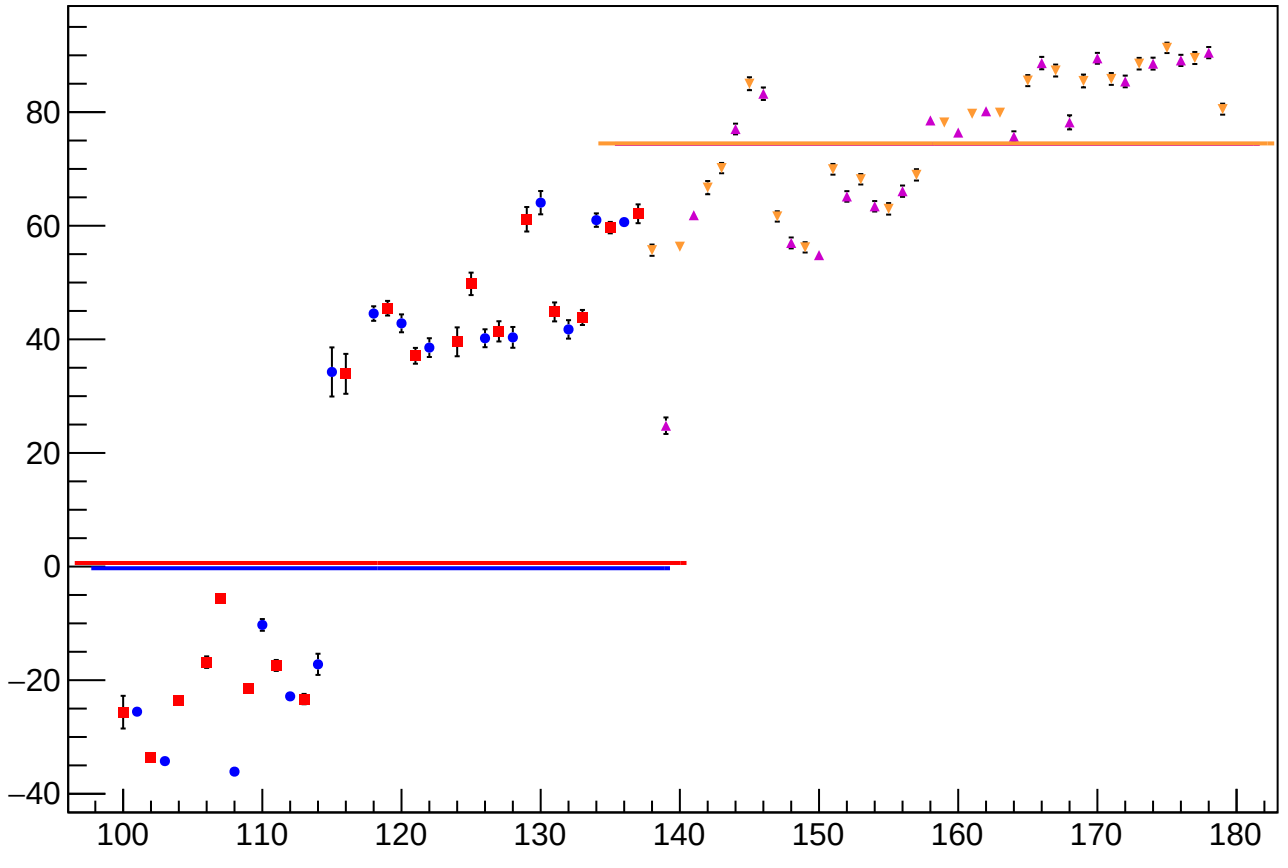
170
180
Right In: 15.561+/-0.214 χ²/NDF: 5176.0/15
Left Out: 52.300+/-0.236 χ²/NDF:1149.1/21
Right Out: 15.272+/-0.219 χ²/NDF: 3873.0/18
Left In: 53.316+/-0.248 χ²/NDF:944.4/19
Left: 52.784+/-0.171 χ²/NDF: 2102.4/41
Right: 15.420+/-0.153 χ²/NDF: 9050.0/34
In: 31.710+/-0.162 χ²/NDF:19434.8/35
Out: 32.418+/-0.161 χ²/NDF:18243.6/40
All: 32.067+/-0.114 χ²/NDF: 37688.1/76



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 74.492+/-0.201 χ^2/NDF:3264.6/21

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 74.401+/-0.213 χ^2/NDF:3898.6/19

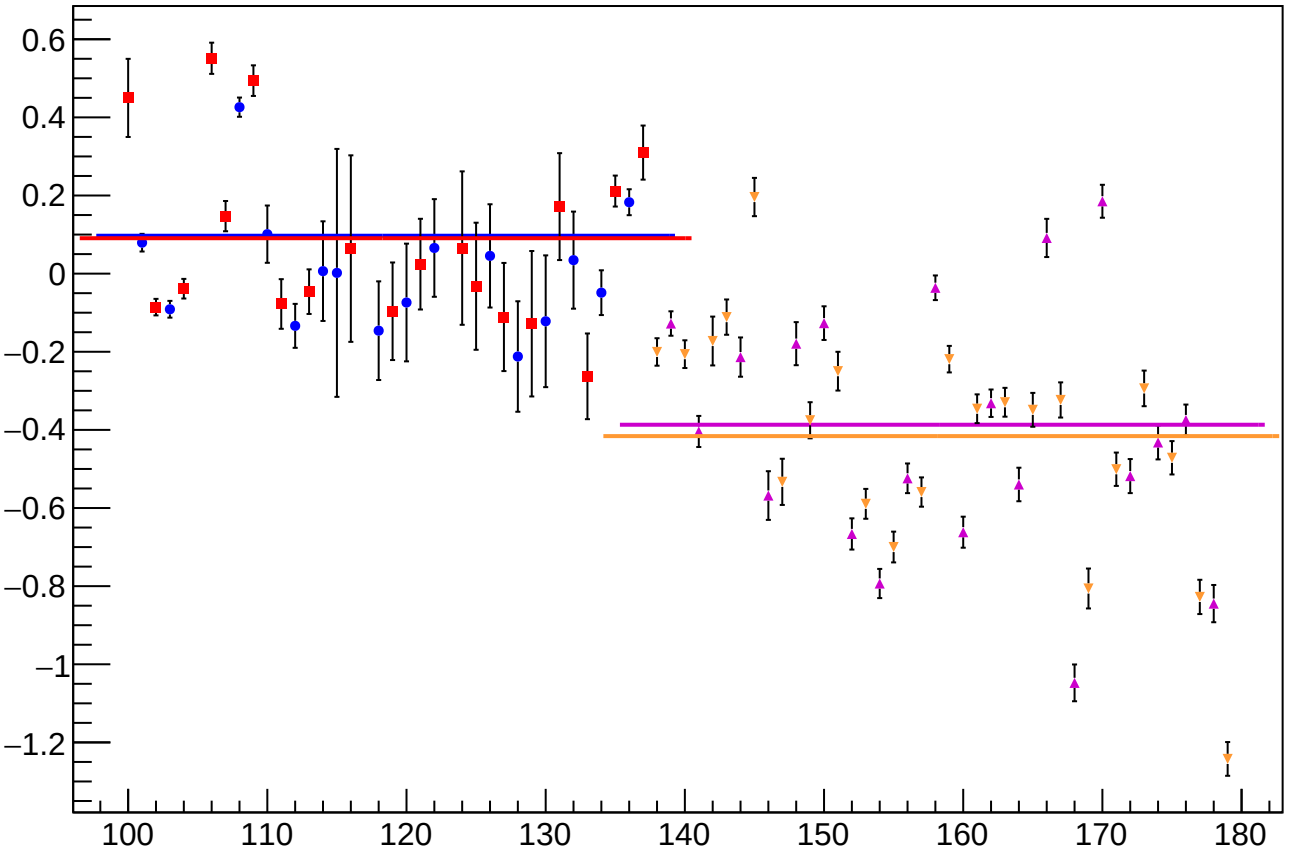
Left: 74.449+/-0.146 χ^2/NDF: 7163.2/41

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 44.667+/-0.165 χ^2/NDF:74082.8/35

Out: 47.376+/-0.160 χ^2/NDF:68974.2/40

All: 46.065+/-0.115 χ^2/NDF: 143196.2/76



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.416+/-0.009 χ^2/NDF:966.6/21

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.387+/-0.009 χ^2/NDF:1086.0/19

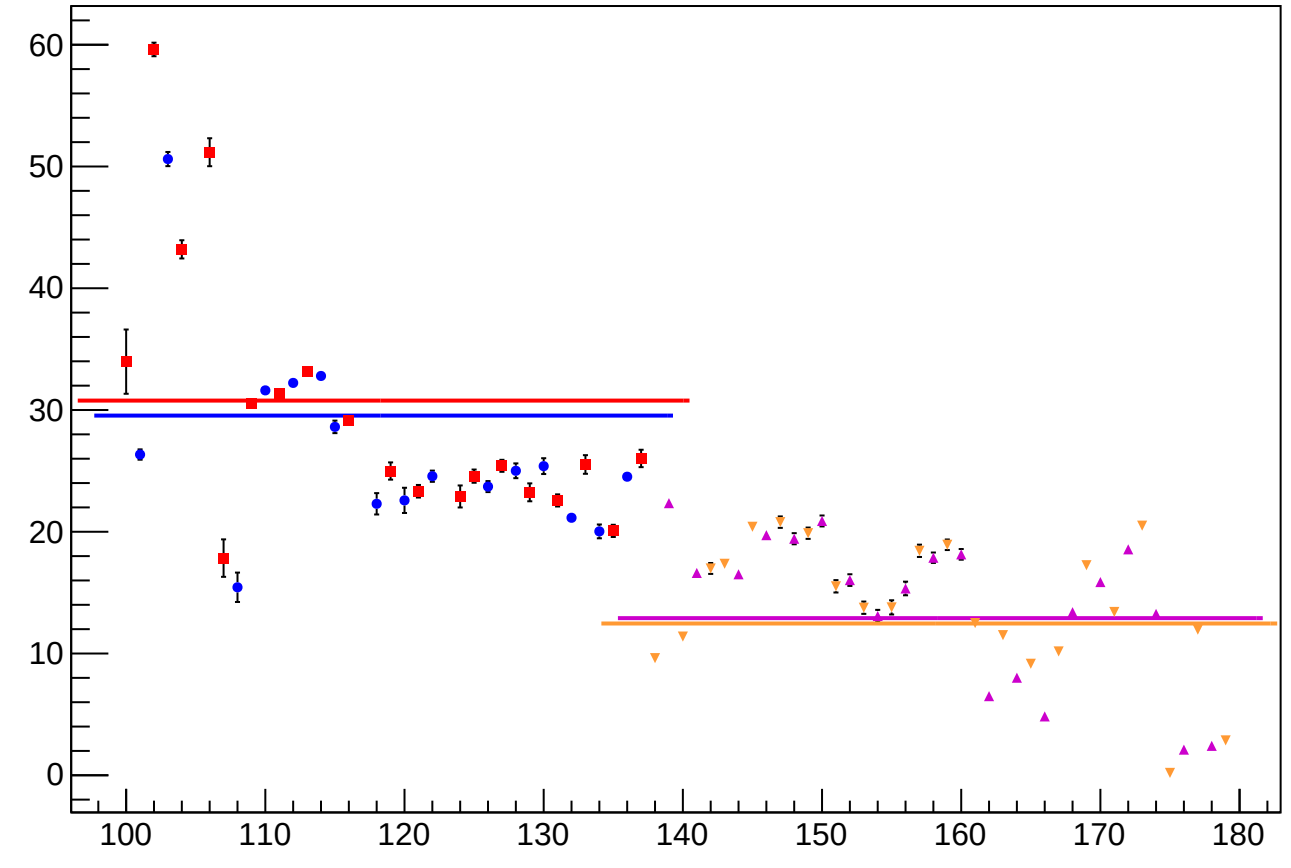
Left: -0.402+/-0.006 χ^2/NDF: 2057.7/41

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.192+/-0.007 χ^2/NDF:2495.6/35

Out: -0.221+/-0.007 χ^2/NDF:2583.2/40

All: -0.207+/-0.005 χ^2/NDF: 5087.5/76



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 12.465+/-0.074 χ^2/NDF:7203.6/21

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 12.905+/-0.077 χ^2/NDF:6989.7/19

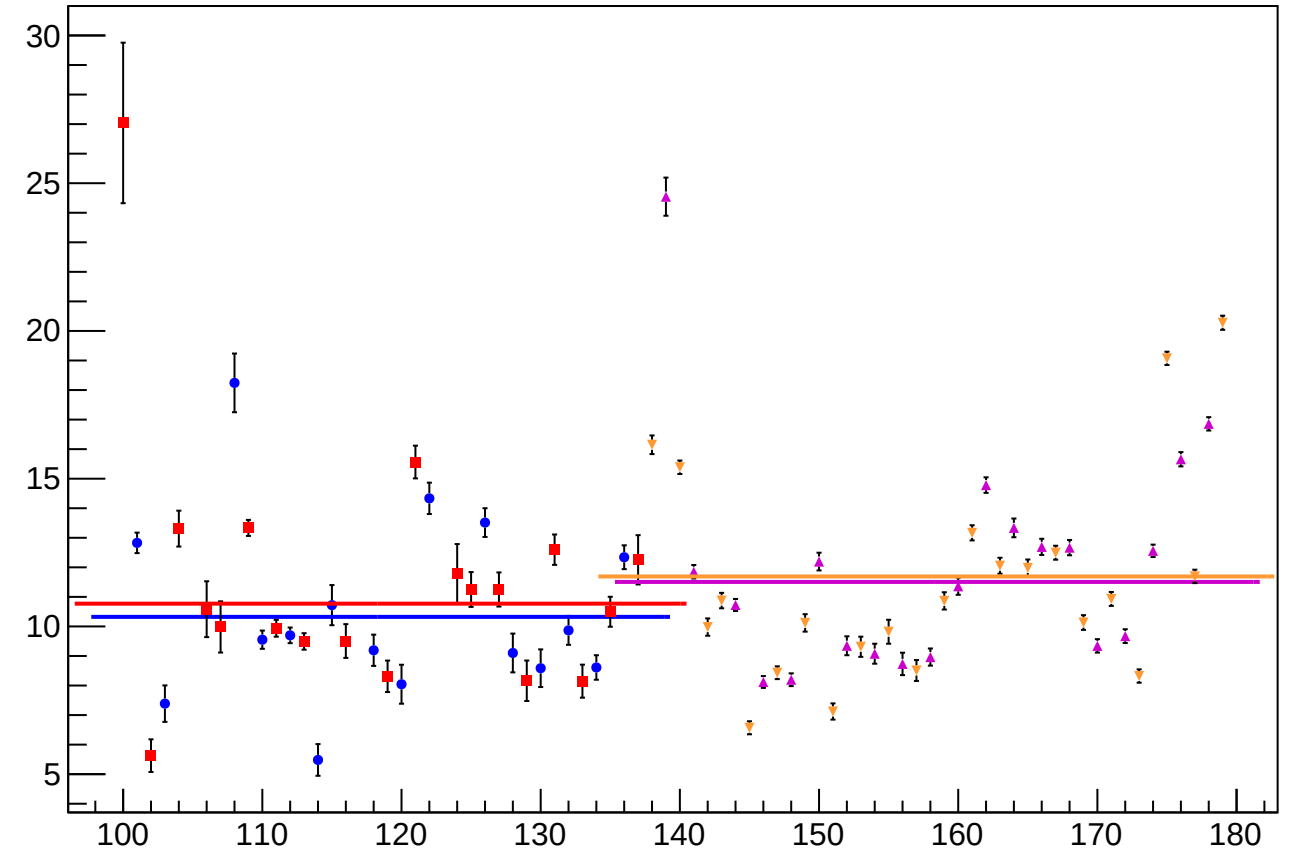
Left: 12.677+/-0.053 χ^2/NDF: 14210.5/41

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 19.720+/-0.059 χ^2/NDF:29685.5/35

Out: 20.884+/-0.054 χ^2/NDF:40467.5/40

All: 20.348+/-0.040 χ^2/NDF: 70364.2/76



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.691+/-0.055 χ^2/NDF:4423.0/21

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 11.506+/-0.058 χ^2/NDF:2435.2/19

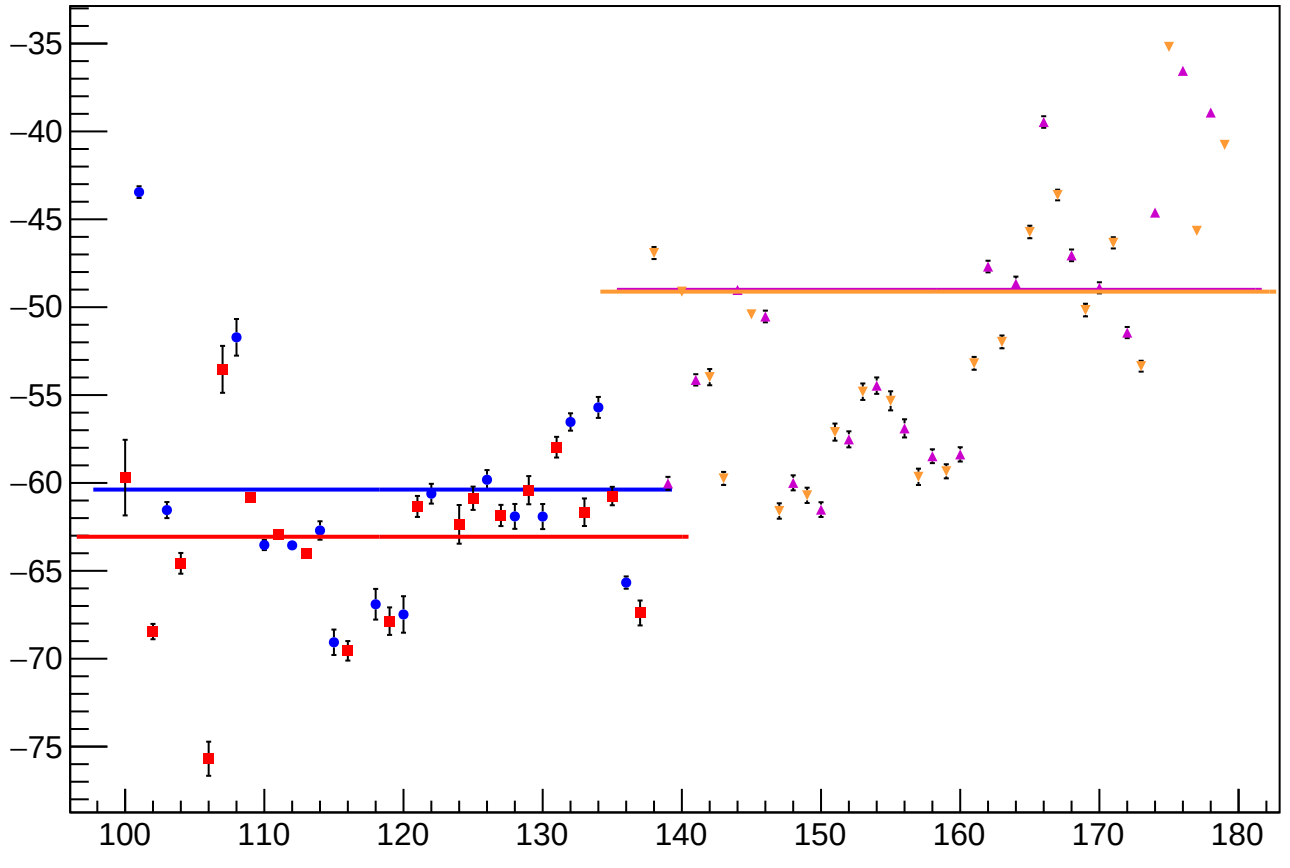
Left: 11.602+/-0.040 χ^2/NDF: 6863.6/41

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 11.266+/-0.051 χ^2/NDF:2923.6/35

Out: 11.513+/-0.050 χ^2/NDF:4892.3/40

All: 11.393+/-0.036 χ^2/NDF: 7827.8/76


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−35
−40
−45
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−60
−65
−70
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130
140
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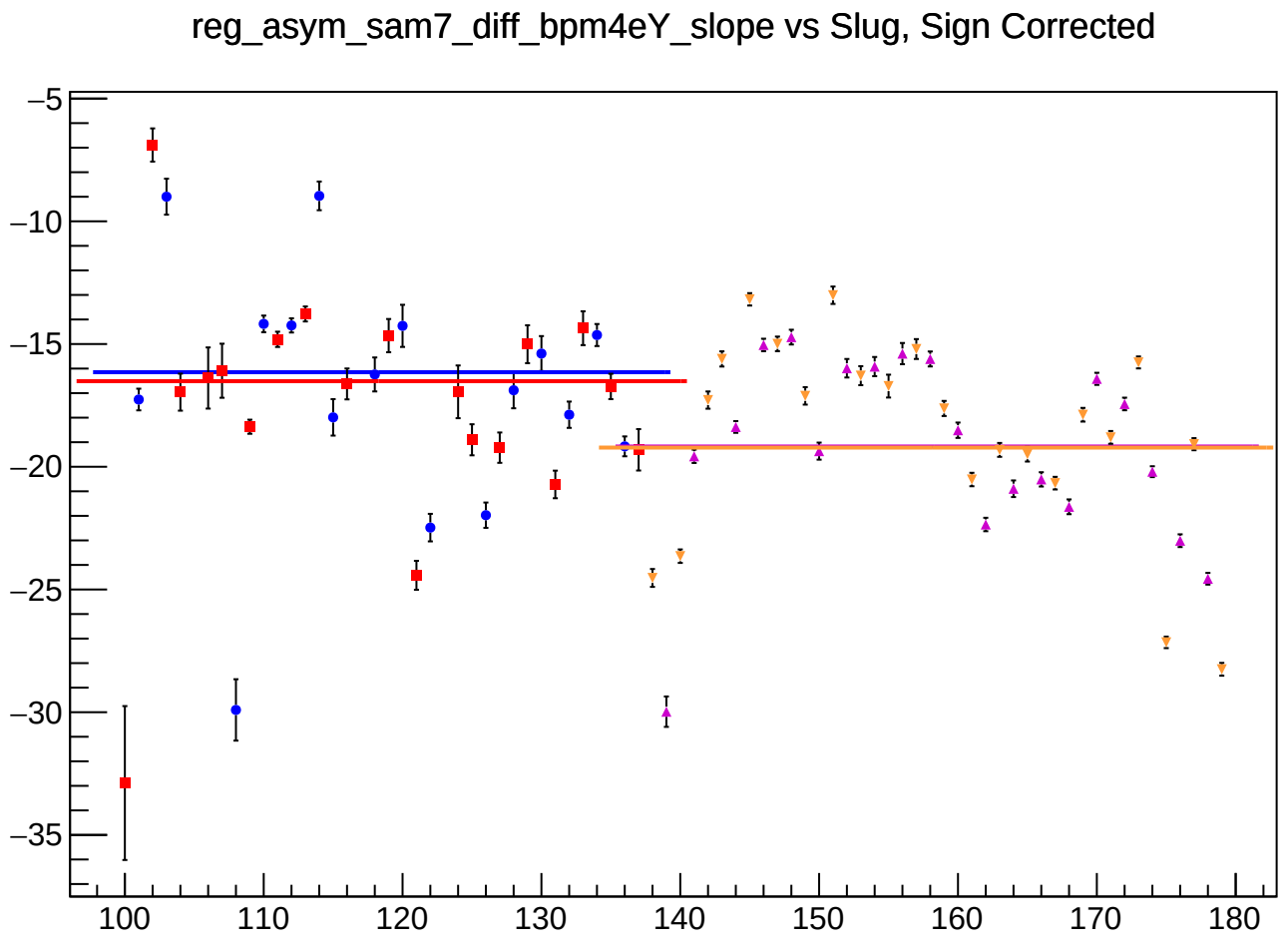
170
180
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -49.116+/-0.074 χ²/NDF:9638.3/21
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -49.013+/-0.076 χ²/NDF:9432.8/19
Left: -49.066+/-0.053 χ²/NDF: 19072.0/41
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -52.566+/-0.063 χ²/NDF:19981.8/35
Out: -53.579+/-0.061 χ²/NDF:21978.1/40
All: -53.093+/-0.044 χ²/NDF: 42093.6/76



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -19.219+/-0.063 χ^2/NDF:4589.5/21

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -19.175+/-0.065 χ^2/NDF:2333.5/19

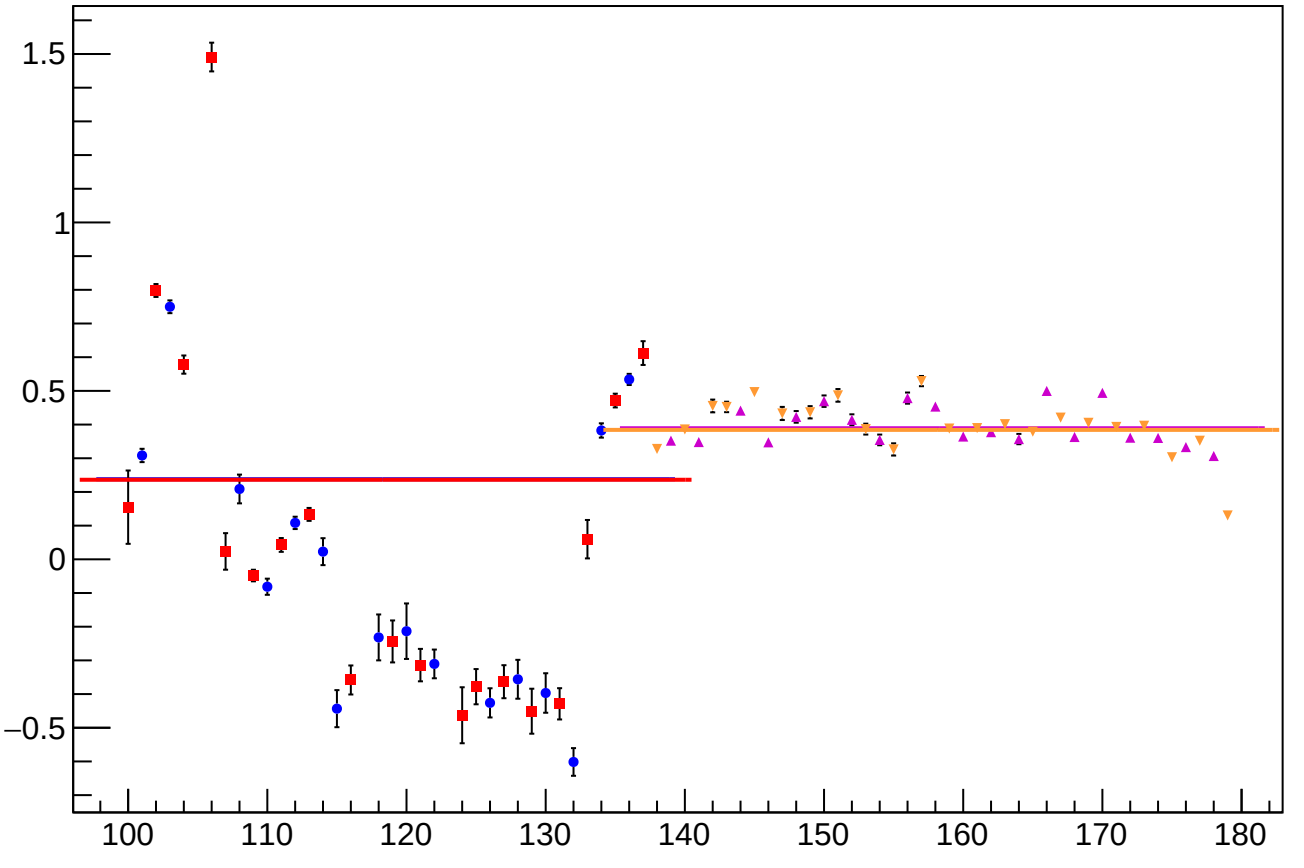
Left: -19.198+/-0.045 χ^2/NDF: 6923.2/41

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -18.550+/-0.058 χ^2/NDF:3580.5/35

Out: -18.674+/-0.056 χ^2/NDF:5650.9/40

All: -18.614+/-0.040 χ^2/NDF: 9233.8/76



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.384+/-0.003 χ^2/NDF:852.9/21

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.389+/-0.003 χ^2/NDF:400.0/19

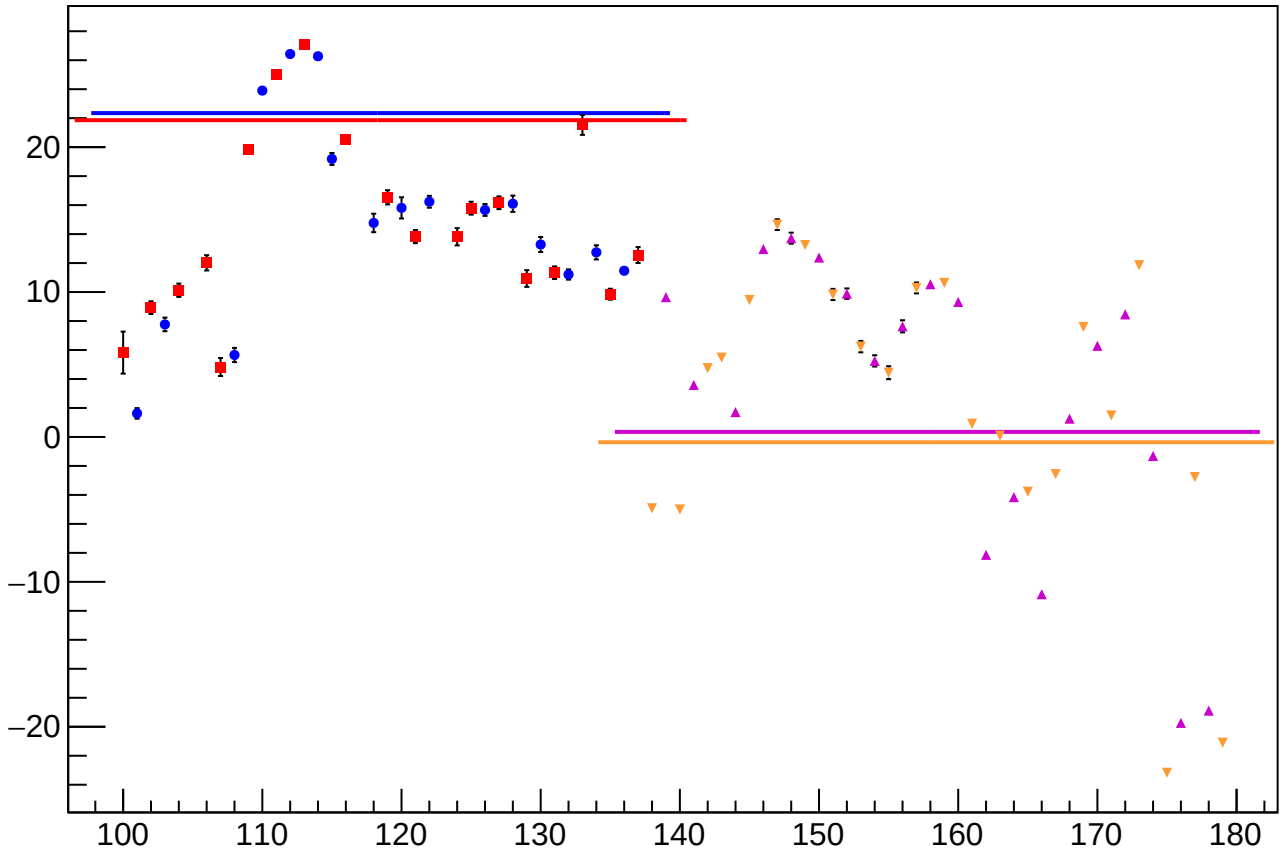
Left: 0.387+/-0.002 χ^2/NDF: 1254.3/41

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.367+/-0.003 χ^2/NDF:3426.4/35

Out: 0.364+/-0.003 χ^2/NDF:4824.2/40

All: 0.366+/-0.002 χ^2/NDF: 8251.4/76



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: -0.363+/-0.061 χ^2/NDF:31720.5/21

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 0.349+/-0.064 χ^2/NDF:25721.0/19

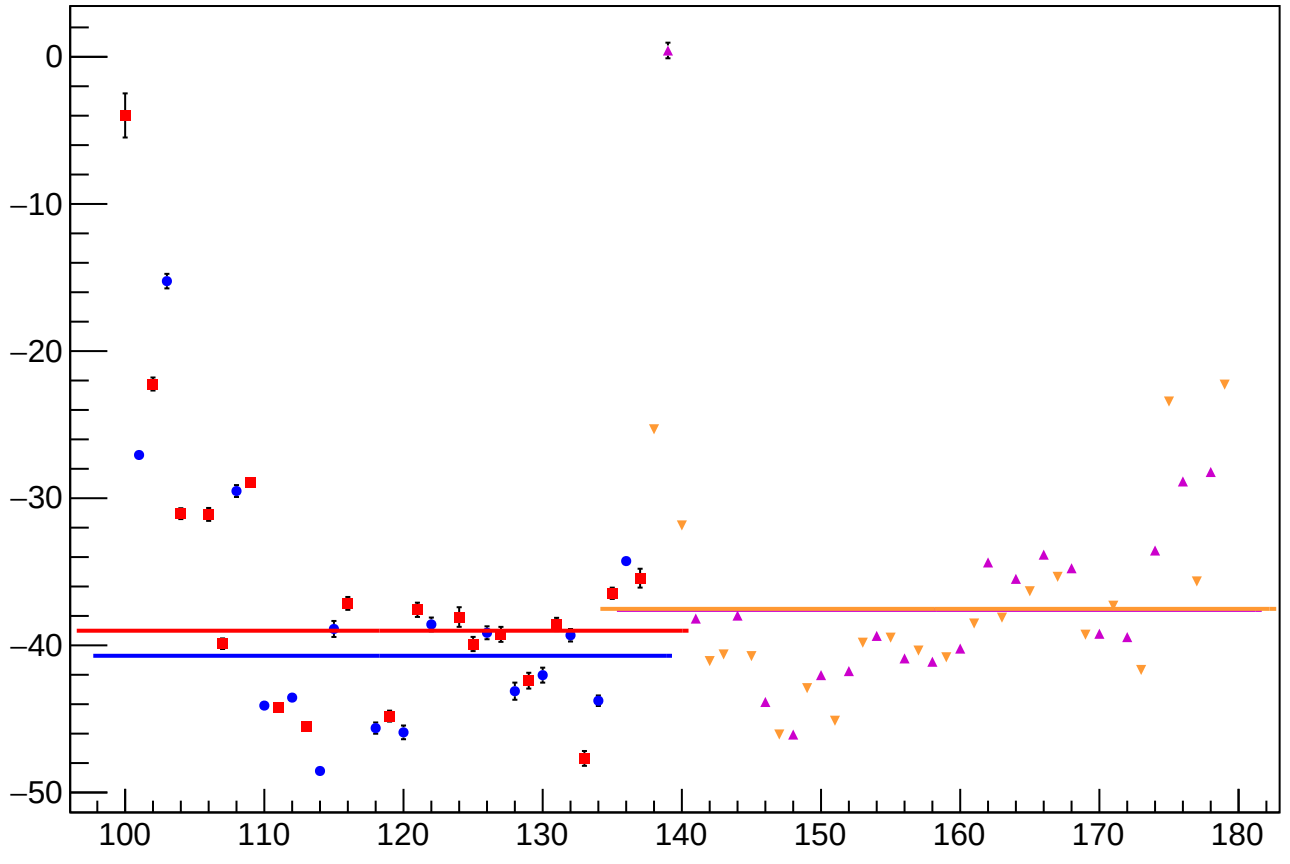
Left: -0.026+/-0.044 χ^2/NDF: 57506.7/41

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 12.690+/-0.042 χ^2/NDF:104509.8/35

Out: 13.690+/-0.037 χ^2/NDF:127141.0/40

All: 13.260+/-0.028 χ^2/NDF: 231968.8/76



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -37.520+/-0.045 χ^2/NDF:19616.8/21

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -37.590+/-0.048 χ^2/NDF:14746.6/19

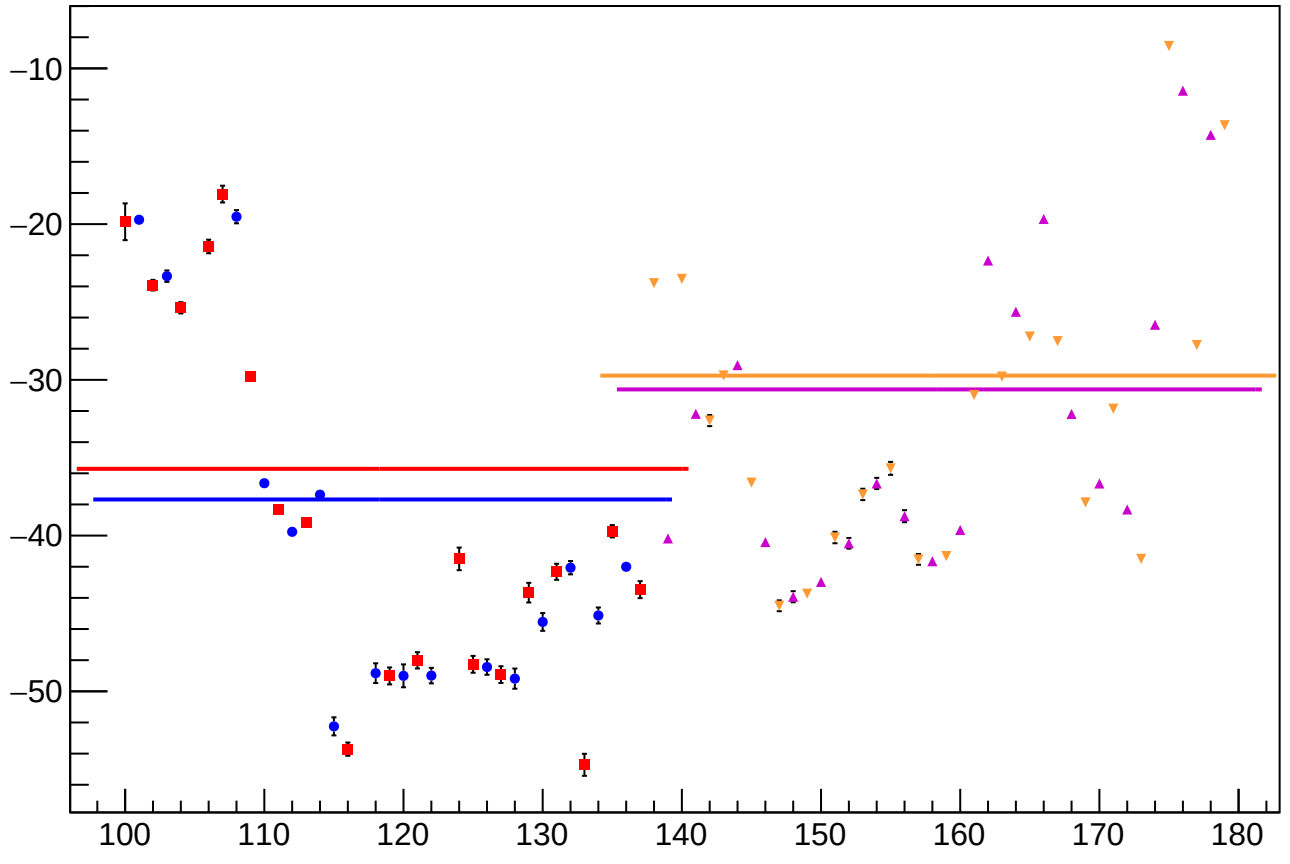
Left: -37.553+/-0.033 χ^2/NDF: 34364.5/41

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -38.469+/-0.041 χ^2/NDF:23720.7/35

Out: -37.945+/-0.038 χ^2/NDF:30030.0/40

All: -38.190+/-0.028 χ^2/NDF: 53839.4/76



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -29.728+/-0.060 χ^2/NDF:27278.8/21

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -30.614+/-0.063 χ^2/NDF:24268.8/19

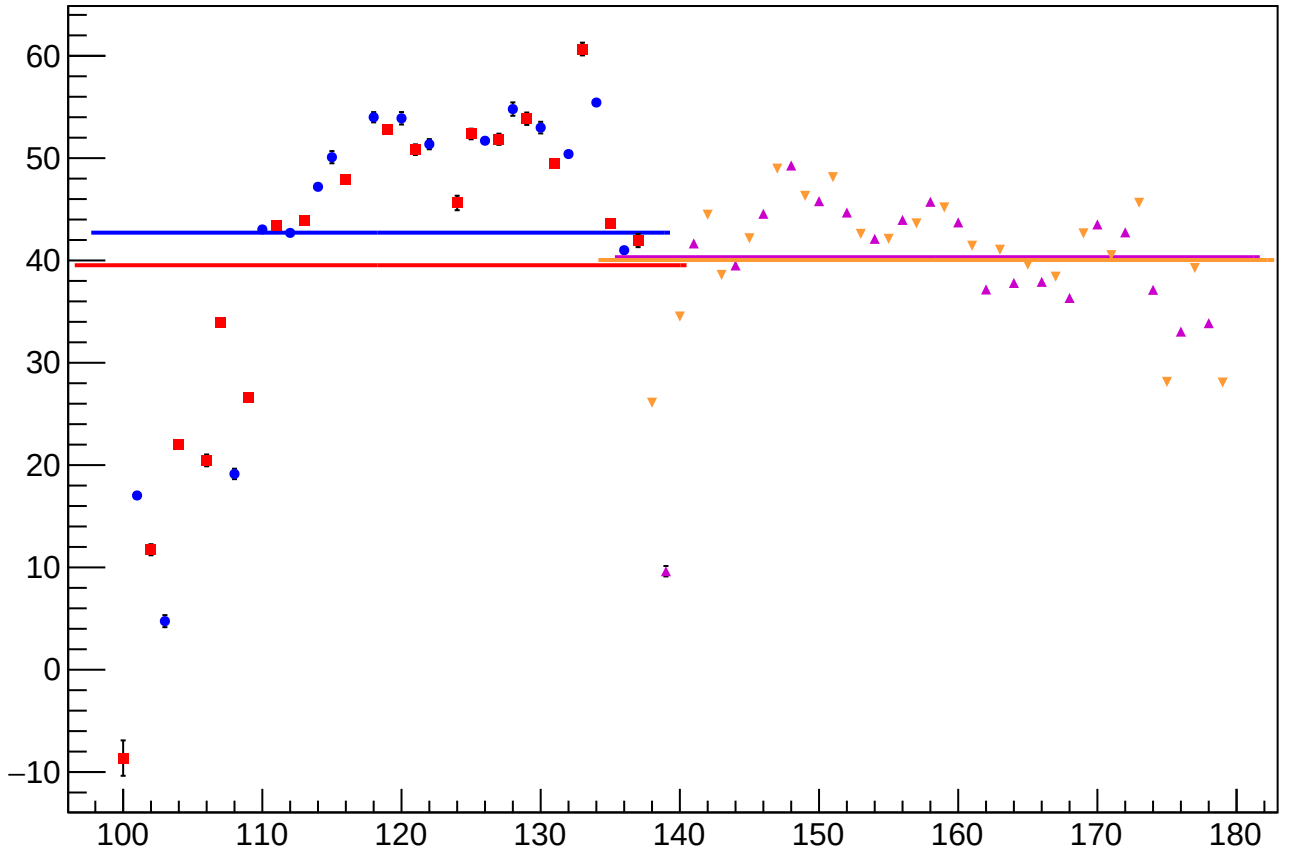
Left: -30.149+/-0.044 χ^2/NDF: 51650.1/41

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -33.619+/-0.048 χ^2/NDF:40401.5/35

Out: -32.527+/-0.044 χ^2/NDF:45162.8/40

All: -33.024+/-0.032 χ^2/NDF: 85844.6/76



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.046+/-0.051 χ^2/NDF:13656.6/21

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 40.319+/-0.054 χ^2/NDF:9952.6/19

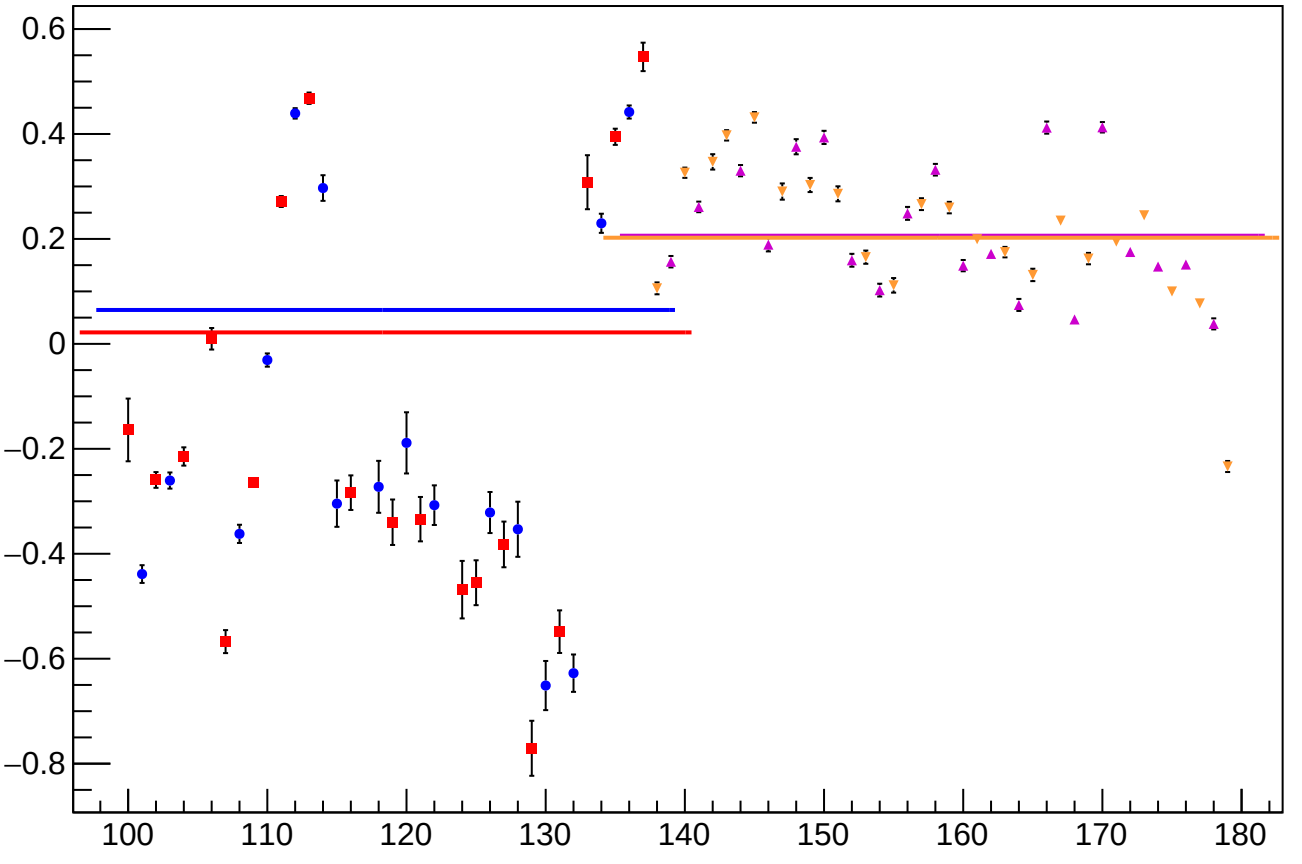
Left: 40.175+/-0.037 χ^2/NDF: 23622.7/41

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.007+/-0.046 χ^2/NDF:25284.8/35

Out: 39.893+/-0.043 χ^2/NDF:31665.0/40

All: 40.415+/-0.031 χ^2/NDF: 57268.1/76



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.202+/-0.002 χ^2/NDF:3574.6/21

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.206+/-0.002 χ^2/NDF:2318.2/19

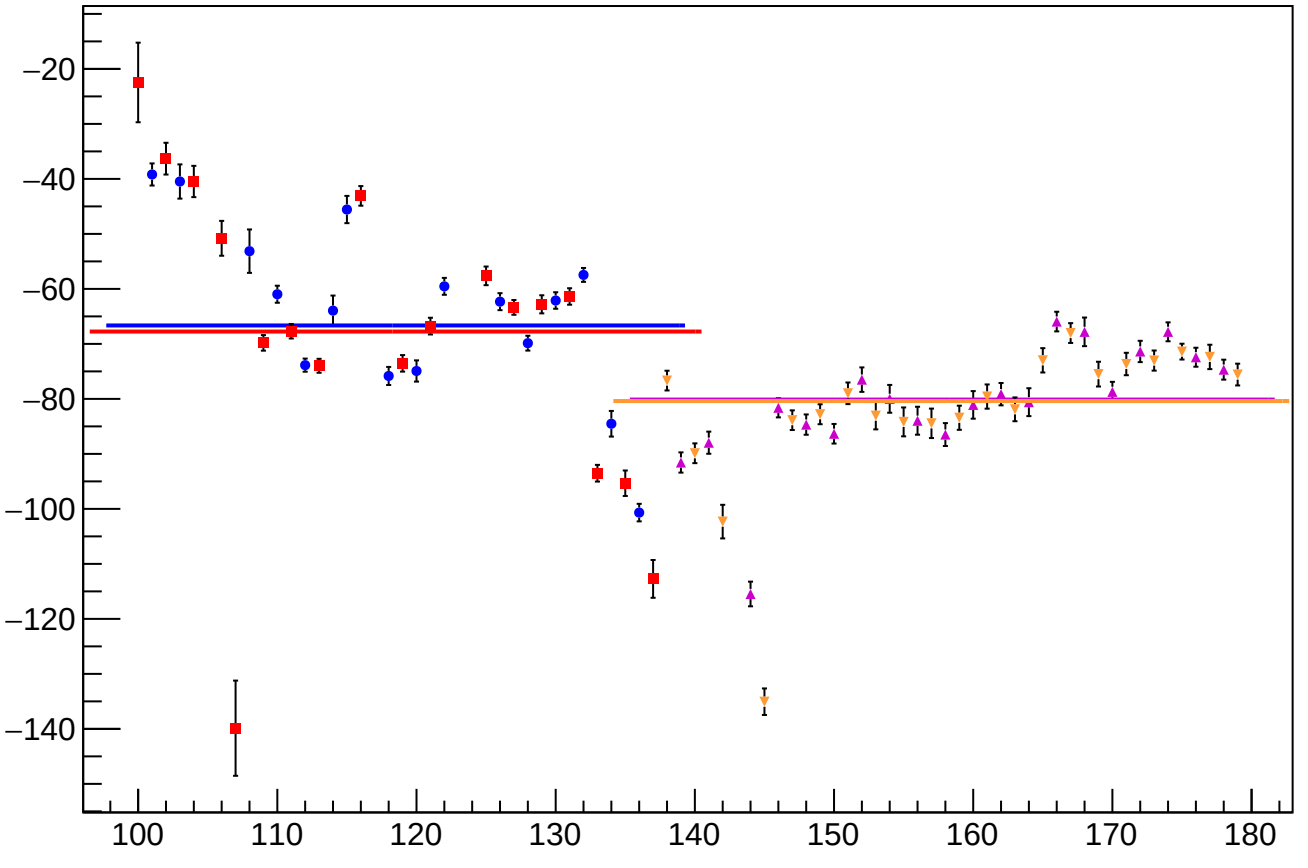
Left: 0.204+/-0.002 χ^2/NDF: 5894.2/41

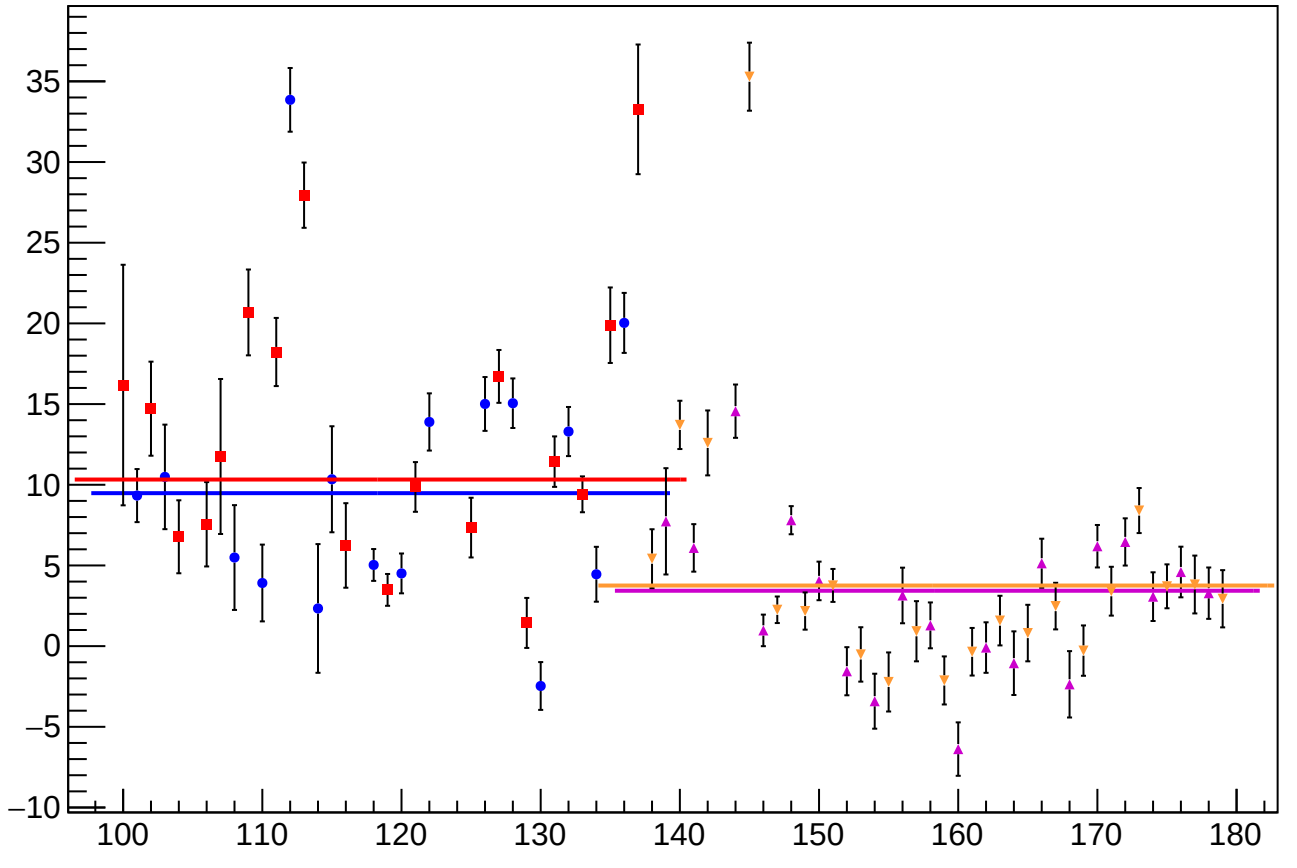
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.178+/-0.002 χ^2/NDF:8502.7/35

Out: 0.163+/-0.002 χ^2/NDF:11304.7/40

All: 0.170+/-0.001 χ^2/NDF: 19833.9/76


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -80.389+/-0.445 χ²/NDF:760.2/20
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -80.123+/-0.448 χ²/NDF:522.5/19
Left: -80.257+/-0.316 χ²/NDF: 1282.8/40
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.050+/-0.309 χ²/NDF:2050.1/35
Out: -73.694+/-0.305 χ²/NDF:2442.0/38
All: -73.376+/-0.217 χ²/NDF: 4494.3/74



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.755+/-0.316 χ^2/NDF:359.7/20

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.432+/-0.323 χ^2/NDF:175.6/19

Left: 3.597+/-0.226 χ^2/NDF: 535.8/40

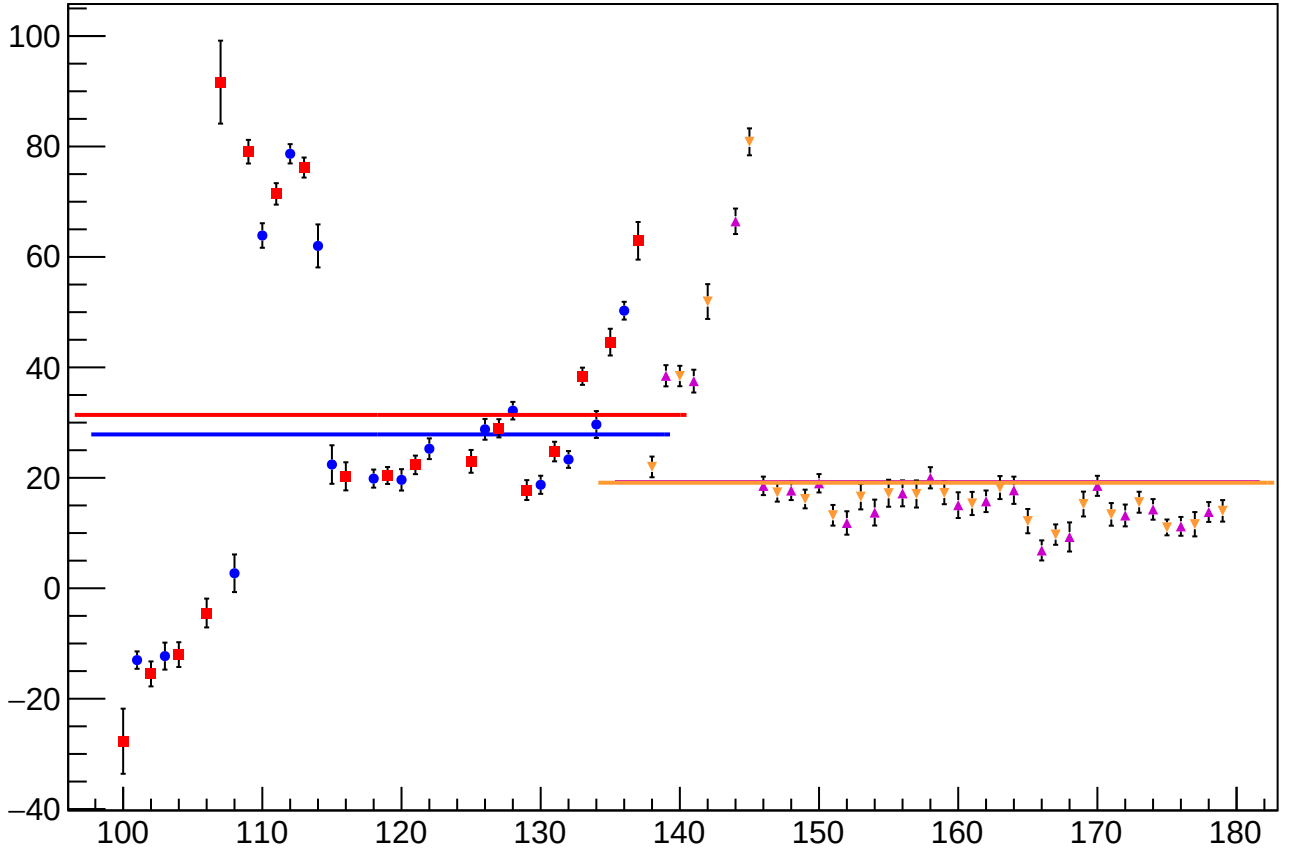
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.625+/-0.258 χ^2/NDF:644.7/35

Out: 6.020+/-0.256 χ^2/NDF:772.1/38

All: 5.824+/-0.182 χ^2/NDF: 1418.0/74

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.116+/-0.437 χ^2/NDF:981.3/20

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 19.236+/-0.440 χ^2/NDF:732.0/19

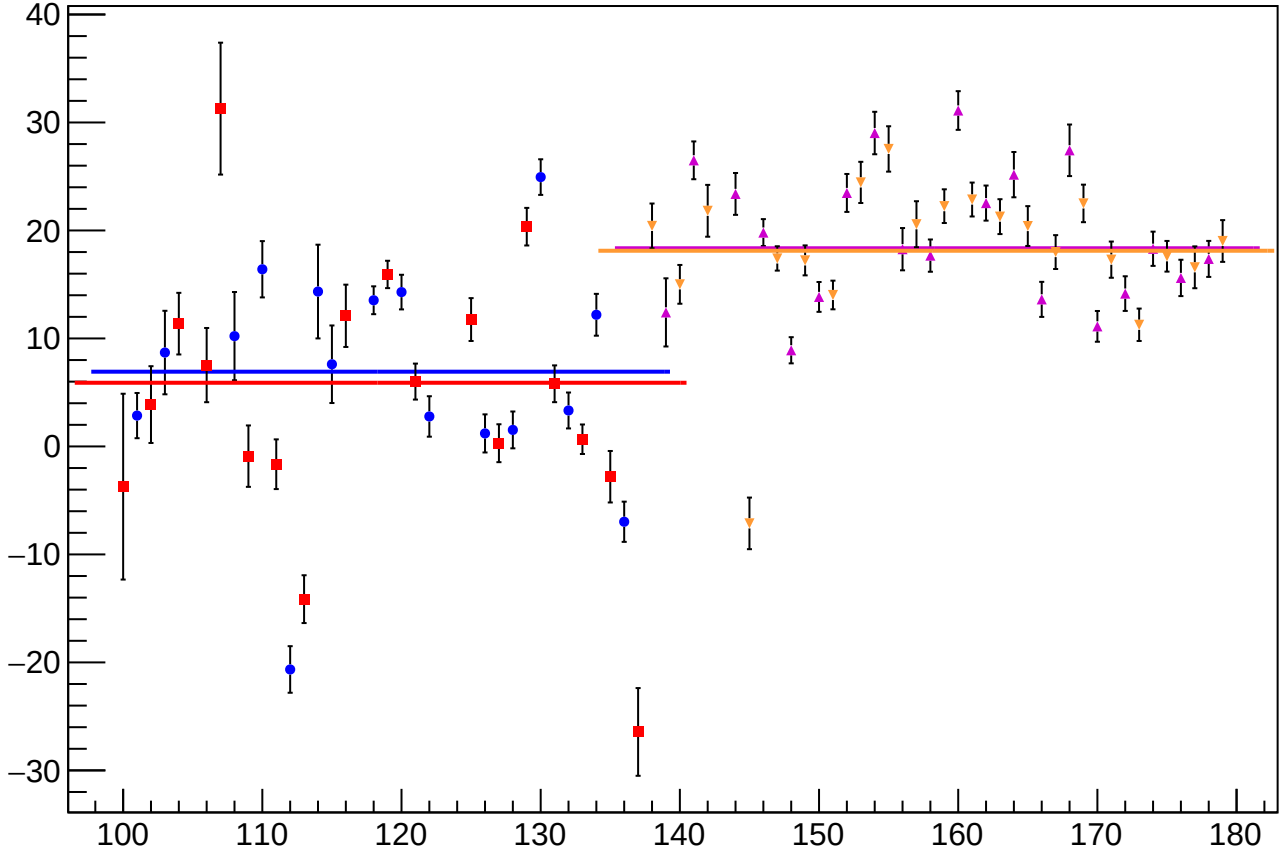
Left: 19.175+/-0.310 χ^2/NDF: 1713.3/40

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 23.154+/-0.325 χ^2/NDF:3380.4/35

Out: 24.587+/-0.325 χ^2/NDF:4344.2/38

All: 23.870+/-0.230 χ^2/NDF: 7734.3/74



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.121+/-0.364 χ^2/NDF:211.0/20

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.351+/-0.370 χ^2/NDF:269.3/19

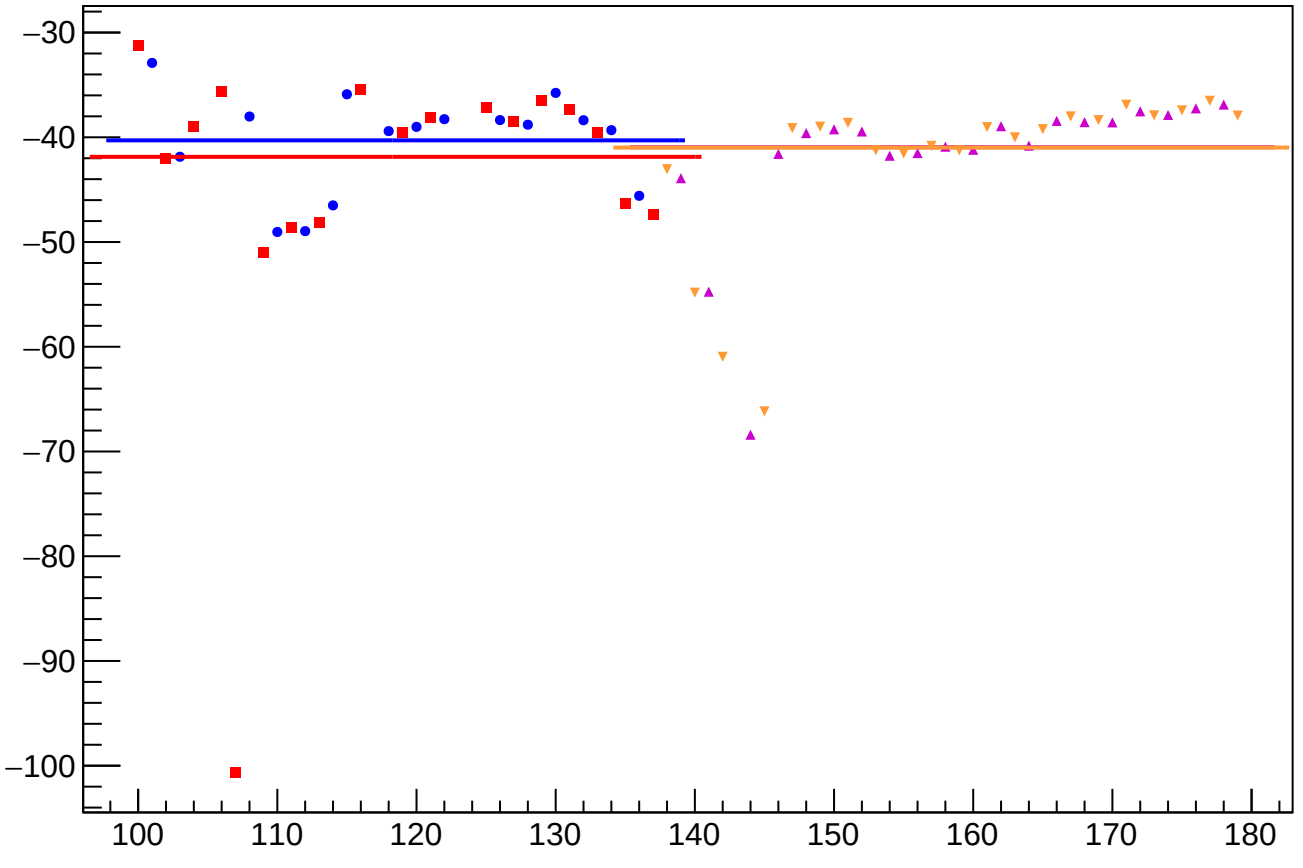
Left: 18.234+/-0.260 χ^2/NDF: 480.5/40

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.258+/-0.297 χ^2/NDF:1055.1/35

Out: 13.906+/-0.295 χ^2/NDF:967.6/38

All: 14.081+/-0.209 χ^2/NDF: 2023.4/74



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -40.980+/-0.017 χ^2/NDF:141040.0/20

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -40.948+/-0.017 χ^2/NDF:114302.1/19

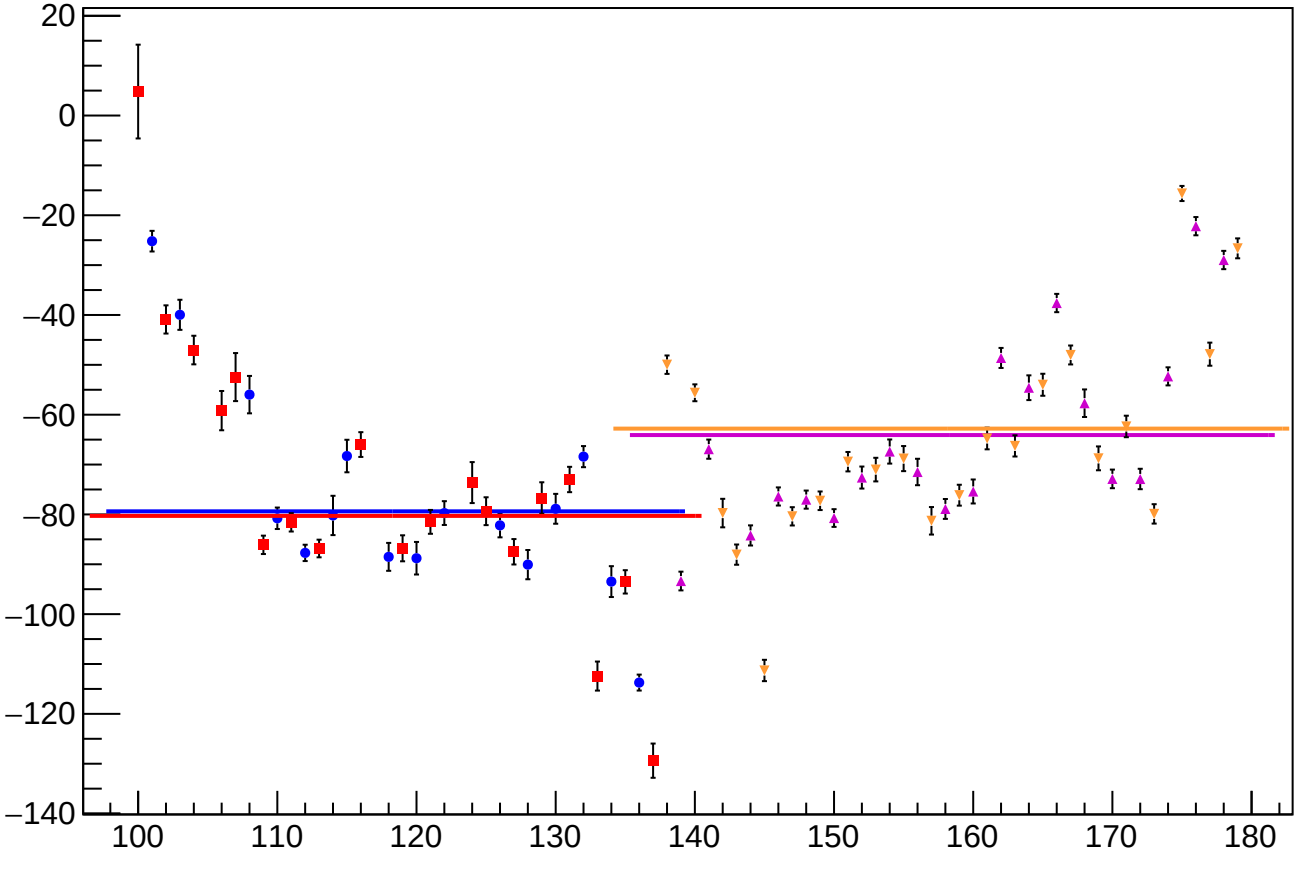
Left: -40.964+/-0.012 χ^2/NDF: 255343.9/40

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.805+/-0.015 χ^2/NDF:135305.4/35

Out: -41.170+/-0.015 χ^2/NDF:200374.9/38

All: -40.986+/-0.010 χ^2/NDF: 335985.6/74



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -62.792+/-0.438 χ^2/NDF:2535.5/21

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -64.083+/-0.450 χ^2/NDF:1891.6/19

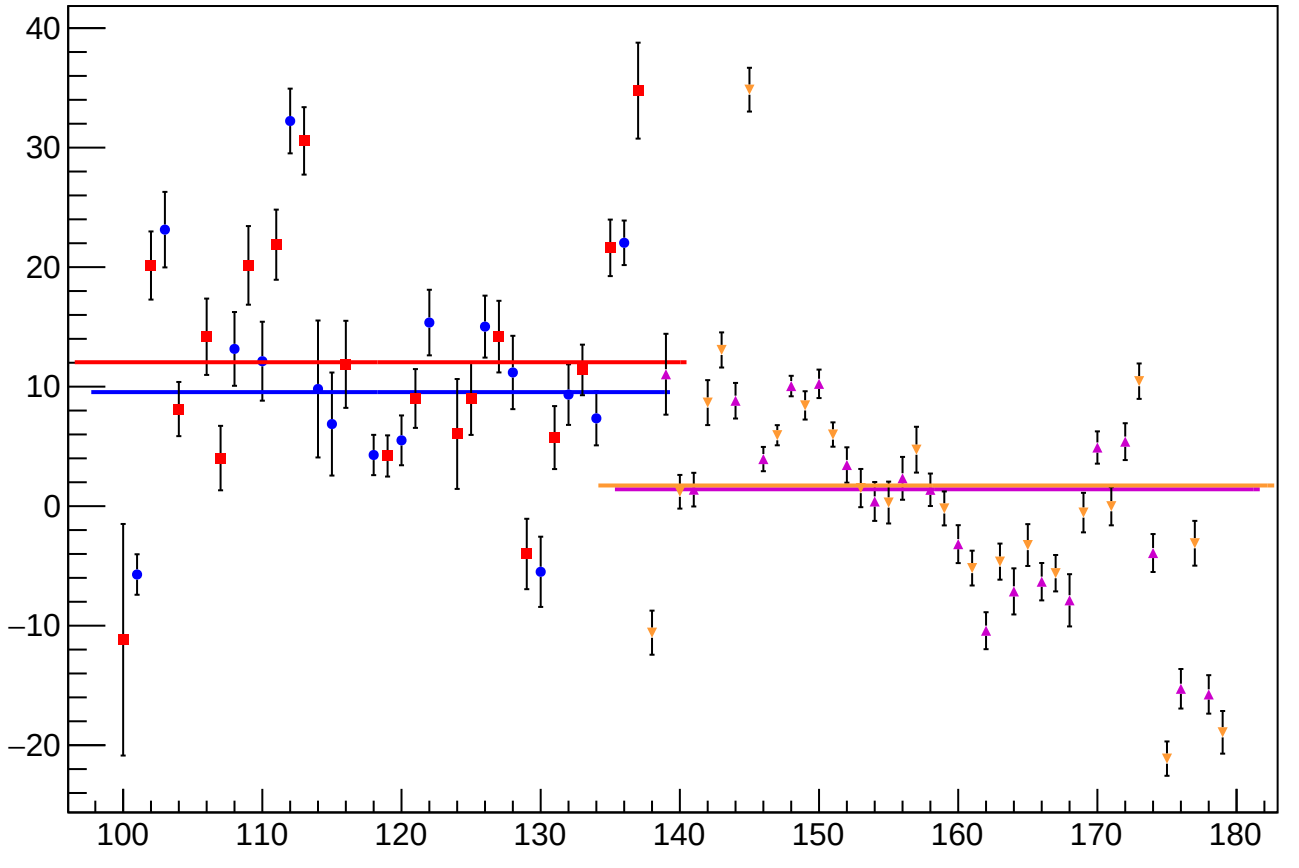
Left: -63.419+/-0.314 χ^2/NDF: 4431.4/41

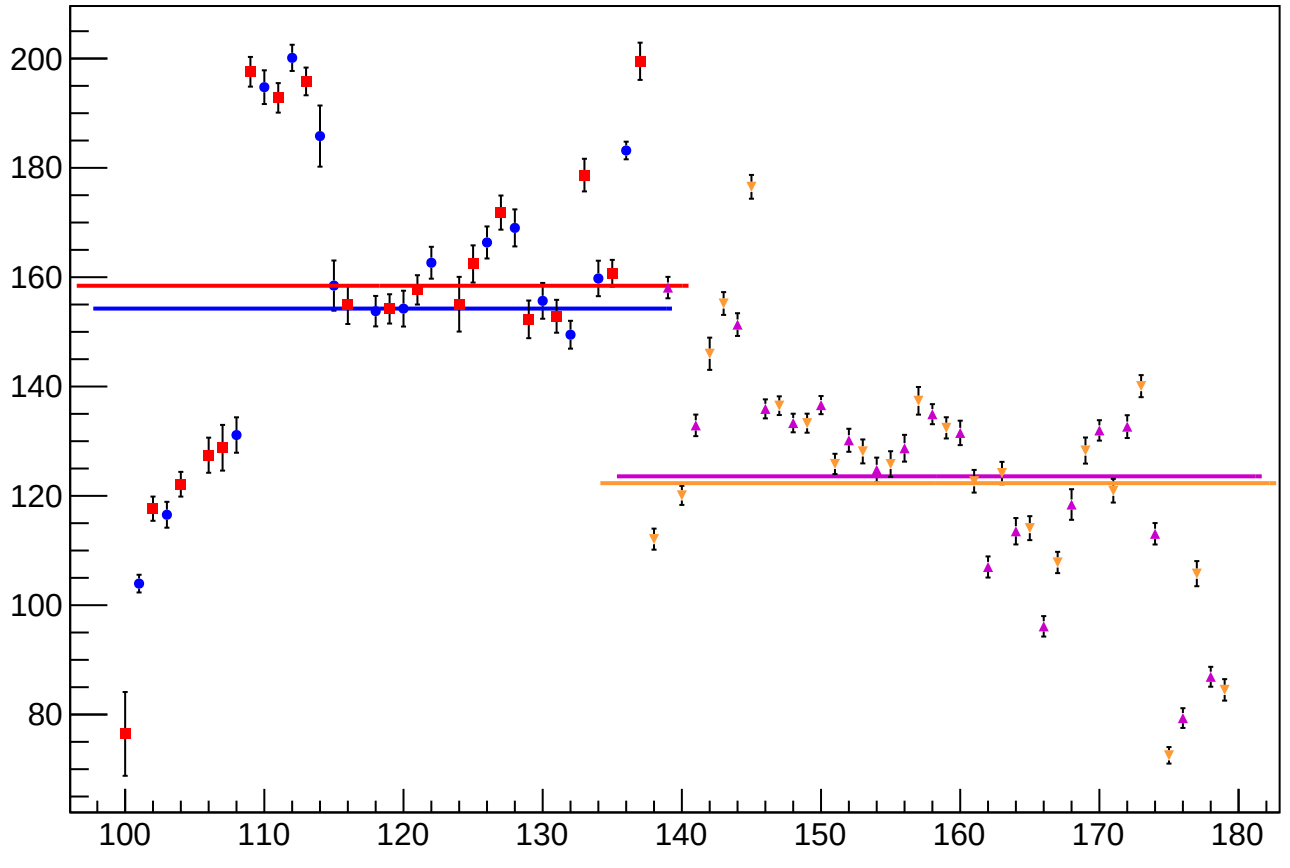
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -69.469+/-0.363 χ^2/NDF:3773.6/35

Out: -68.825+/-0.355 χ^2/NDF:4000.4/40

All: -69.140+/-0.254 χ^2/NDF: 7775.6/76


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 1.730+/-0.311 χ²/NDF:1027.0/21
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 1.413+/-0.323 χ²/NDF:567.3/19
Left: 1.578+/-0.224 χ²/NDF: 1594.8/41
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 3.143+/-0.287 χ²/NDF:969.2/35
Out: 3.711+/-0.279 χ²/NDF:1434.7/40
All: 3.435+/-0.200 χ²/NDF: 2405.9/76



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 122.324+/-0.431 χ^2/NDF:2804.9/21

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 123.572+/-0.442 χ^2/NDF:2105.2/19

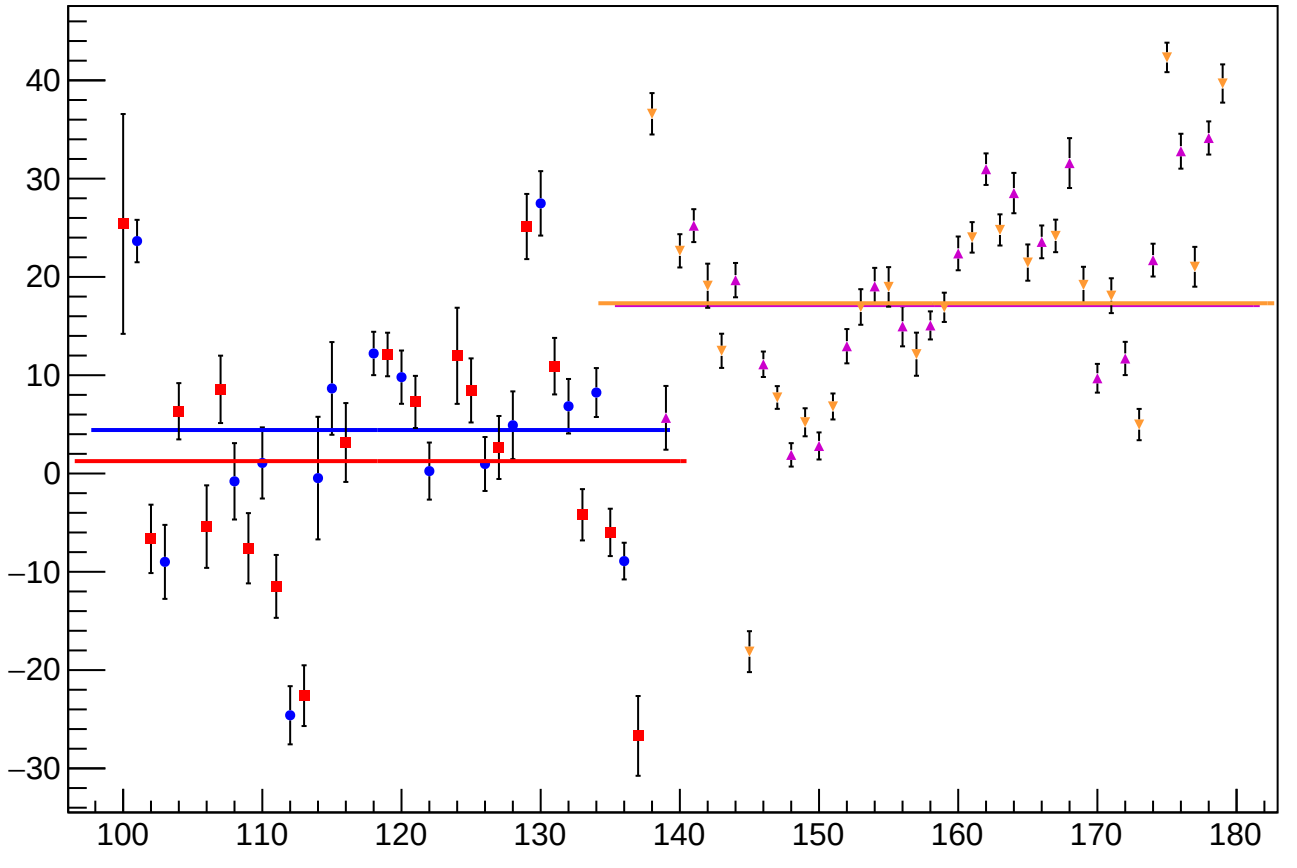
Left: 122.931+/-0.309 χ^2/NDF: 4914.2/41

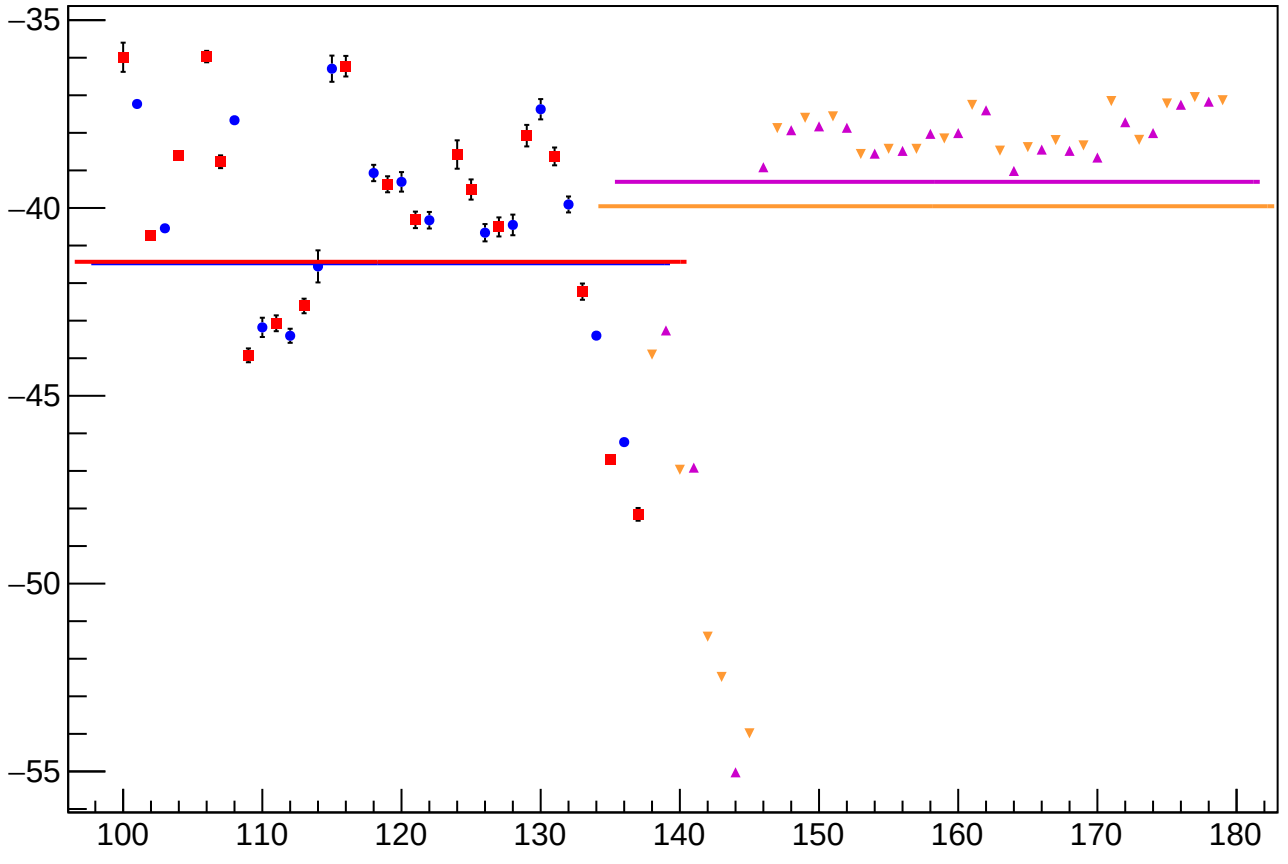
Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 133.045+/-0.368 χ^2/NDF:5805.7/35

Out: 132.606+/-0.364 χ^2/NDF:6470.9/40

All: 132.824+/-0.259 χ^2/NDF: 12277.3/76


reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
Right In: 4.424+/-0.714 χ²/NDF: 316.1/15
Left Out: 17.321+/-0.358 χ²/NDF:1139.9/21
Right Out: 1.260+/-0.732 χ²/NDF: 264.9/18
Left In: 17.135+/-0.371 χ²/NDF:725.8/19
Left: 17.231+/-0.258 χ²/NDF: 1865.8/41
Right: 2.881+/-0.511 χ²/NDF: 590.5/34
In: 14.435+/-0.329 χ²/NDF:1291.5/35
Out: 14.214+/-0.322 χ²/NDF:1793.4/40
All: 14.322+/-0.230 χ²/NDF: 3085.2/76



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.954+/-0.017 χ^2/NDF:80752.4/21

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.304+/-0.017 χ^2/NDF:45985.5/19

Left: -39.633+/-0.012 χ^2/NDF: 127498.5/41

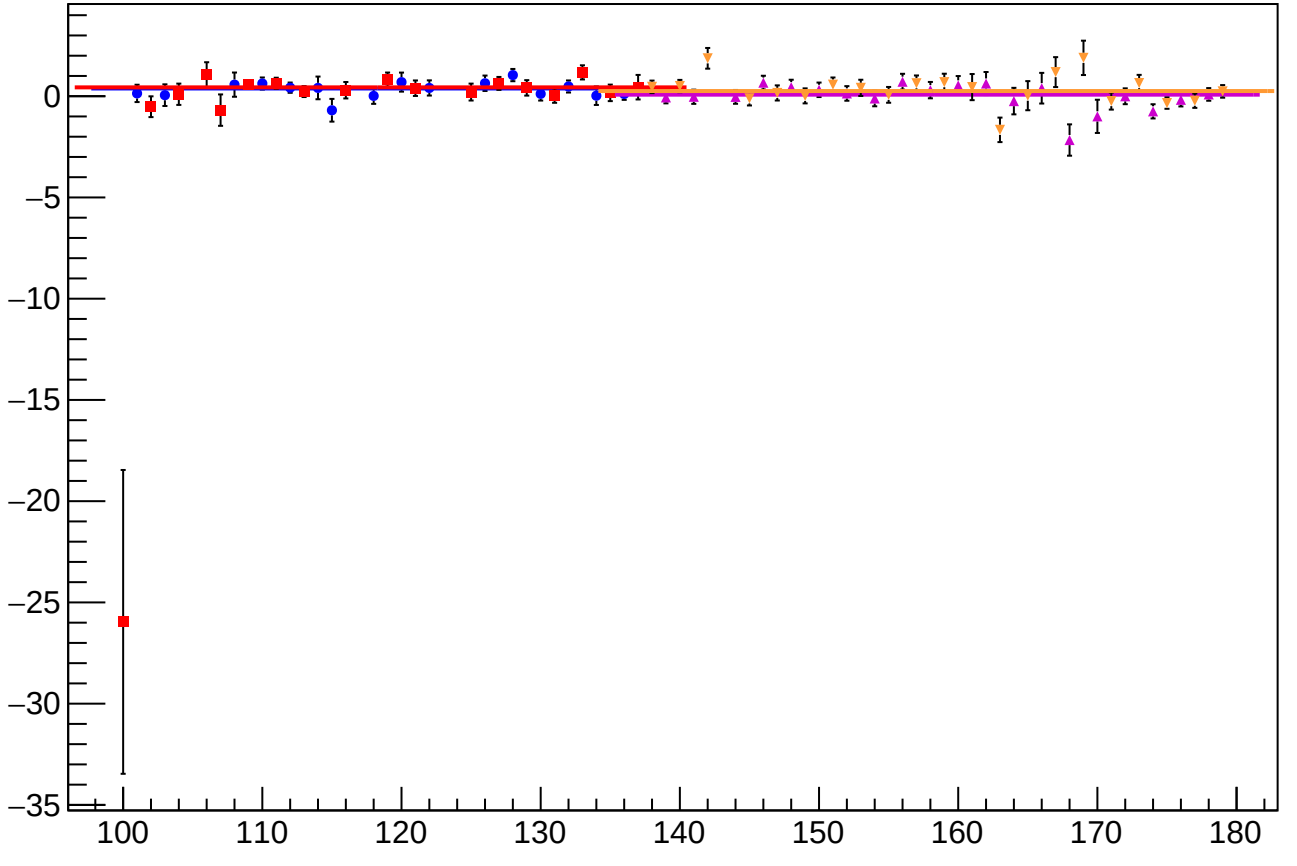
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.655+/-0.015 χ^2/NDF:56609.2/35

Out: -40.175+/-0.015 χ^2/NDF:90169.4/40

All: -39.916+/-0.011 χ^2/NDF: 147355.4/76

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.254+/-0.086 χ^2/NDF:40.1/20

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.076+/-0.088 χ^2/NDF:26.7/19

Left: 0.167+/-0.062 χ^2/NDF: 68.8/40

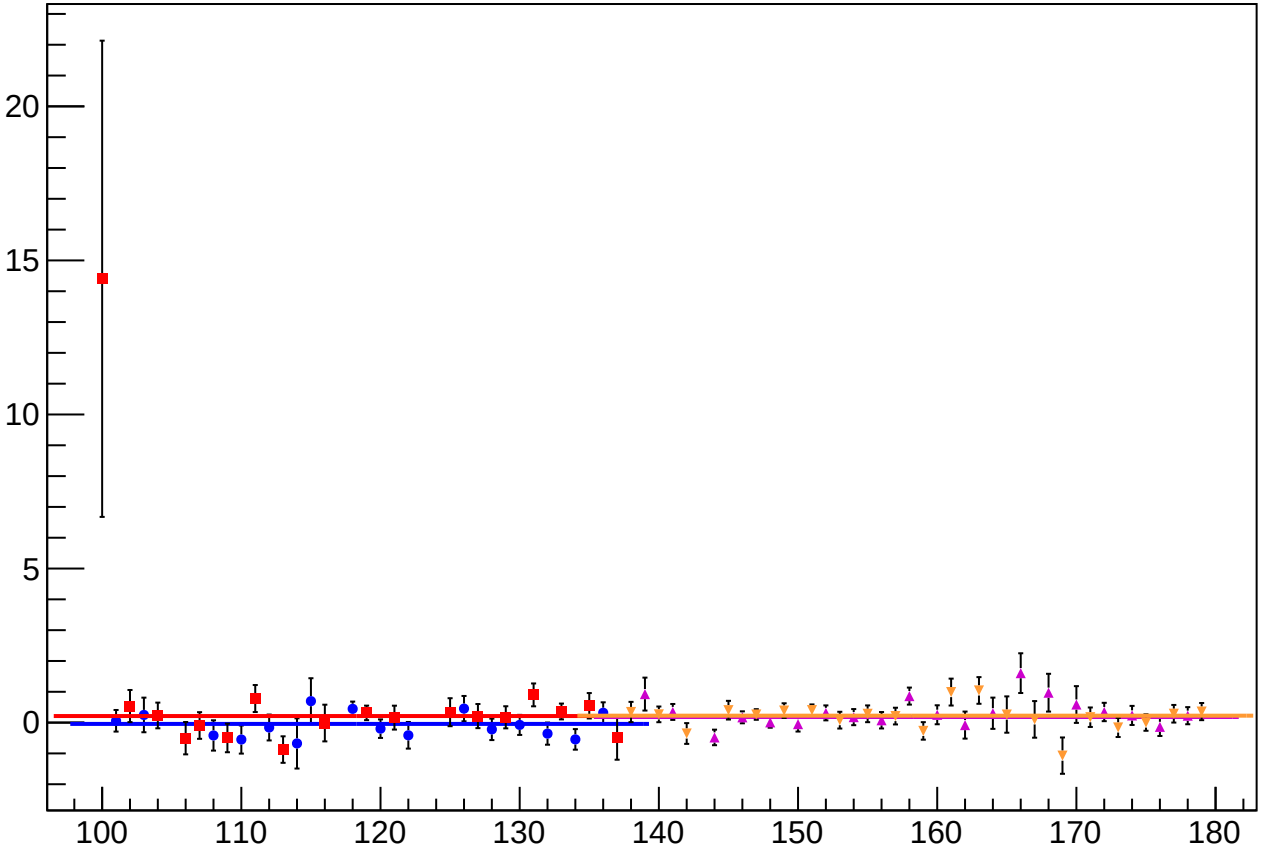
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.223+/-0.064 χ^2/NDF:46.4/35

Out: 0.342+/-0.062 χ^2/NDF:71.2/38

All: 0.283+/-0.045 χ^2/NDF: 119.4/74

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.225+/-0.062 χ^2/NDF:22.4/20

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.182+/-0.064 χ^2/NDF:26.6/19

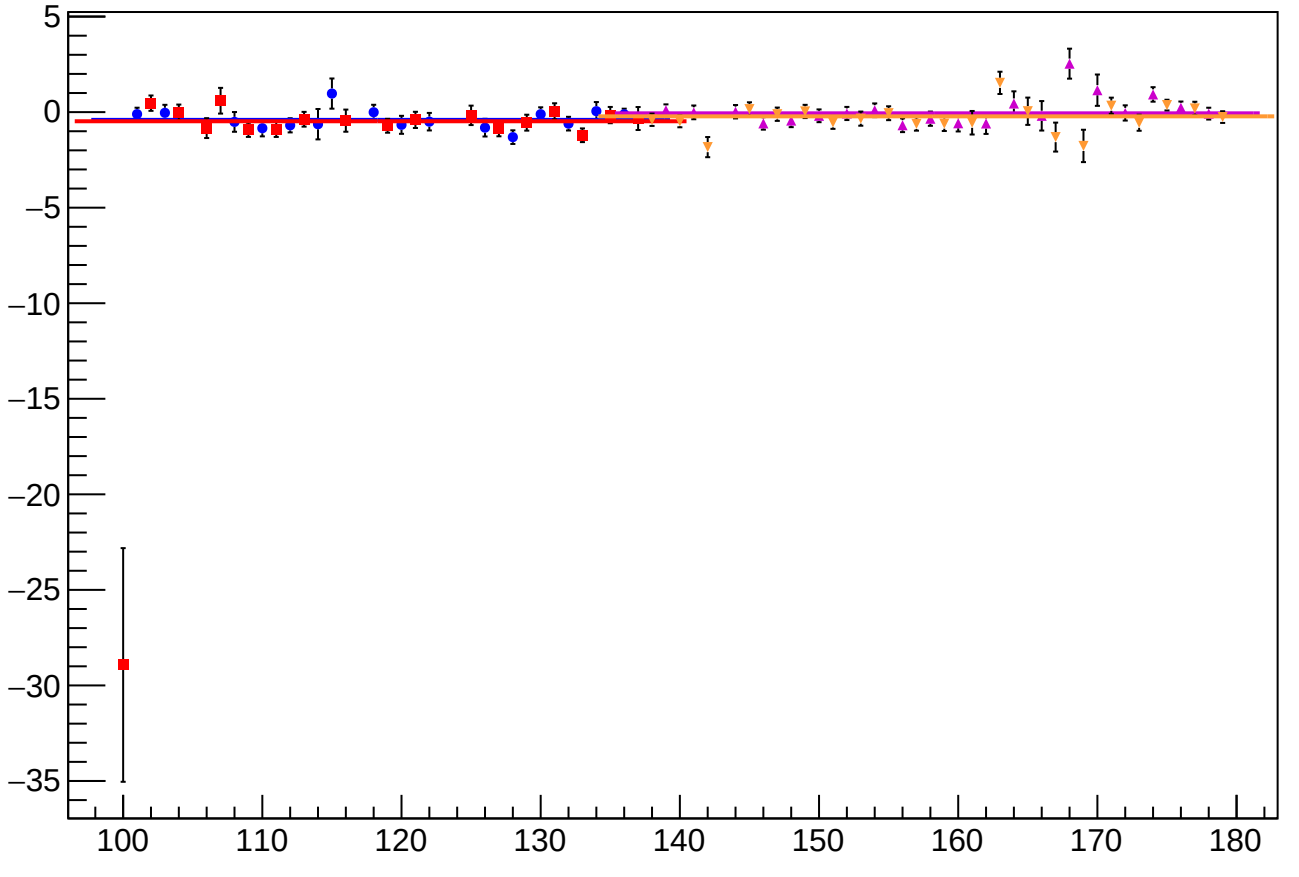
Left: 0.204+/-0.045 χ^2/NDF: 49.2/40

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.111+/-0.053 χ^2/NDF:45.5/35

Out: 0.221+/-0.052 χ^2/NDF:44.8/38

All: 0.167+/-0.037 χ^2/NDF: 92.5/74



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.220+/-0.085 χ^2/NDF:38.5/20

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.063+/-0.087 χ^2/NDF:31.9/19

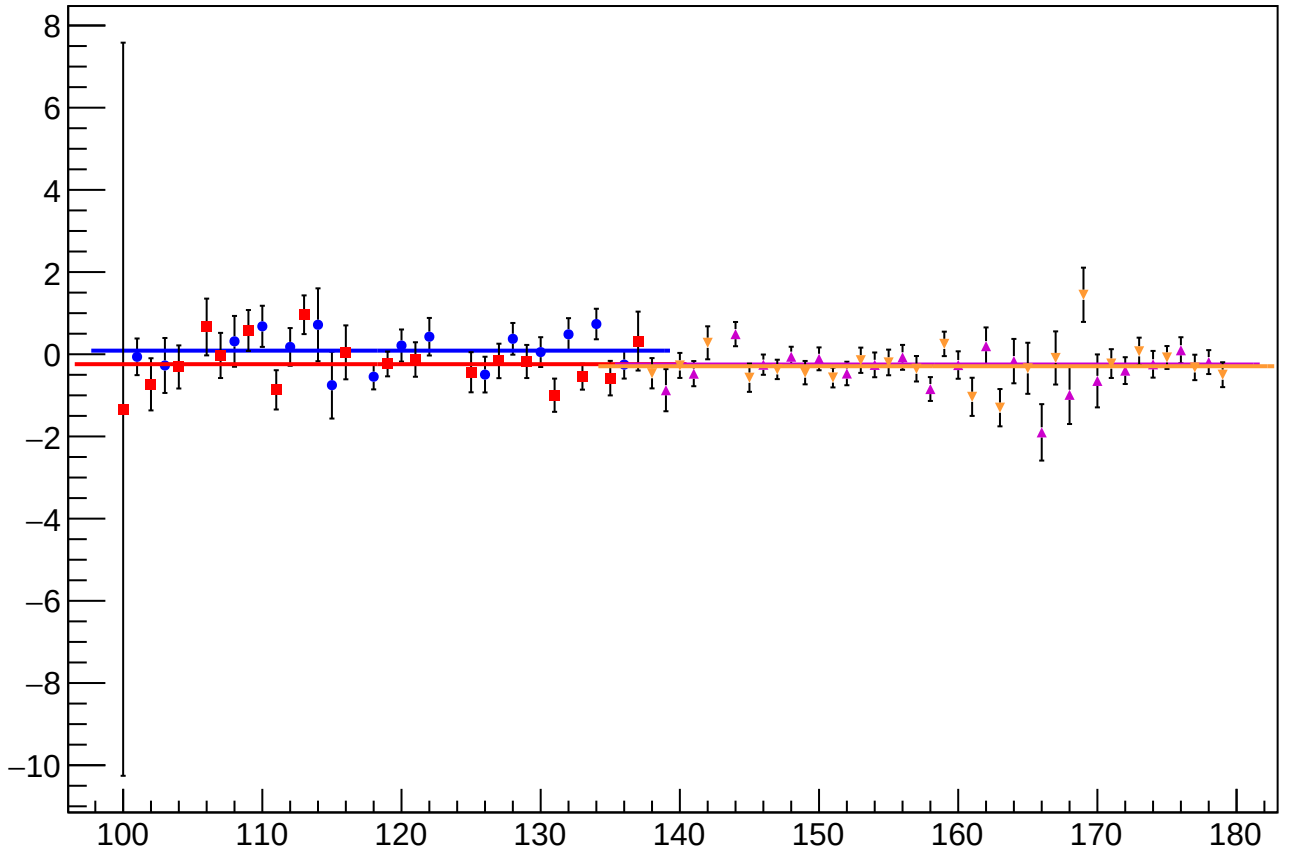
Left: -0.143+/-0.061 χ^2/NDF: 72.1/40

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.205+/-0.066 χ^2/NDF:56.1/35

Out: -0.323+/-0.066 χ^2/NDF:84.5/38

All: -0.264+/-0.047 χ^2/NDF: 142.2/74



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.291+/-0.072 χ^2/NDF:25.1/20

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.250+/-0.074 χ^2/NDF:24.0/19

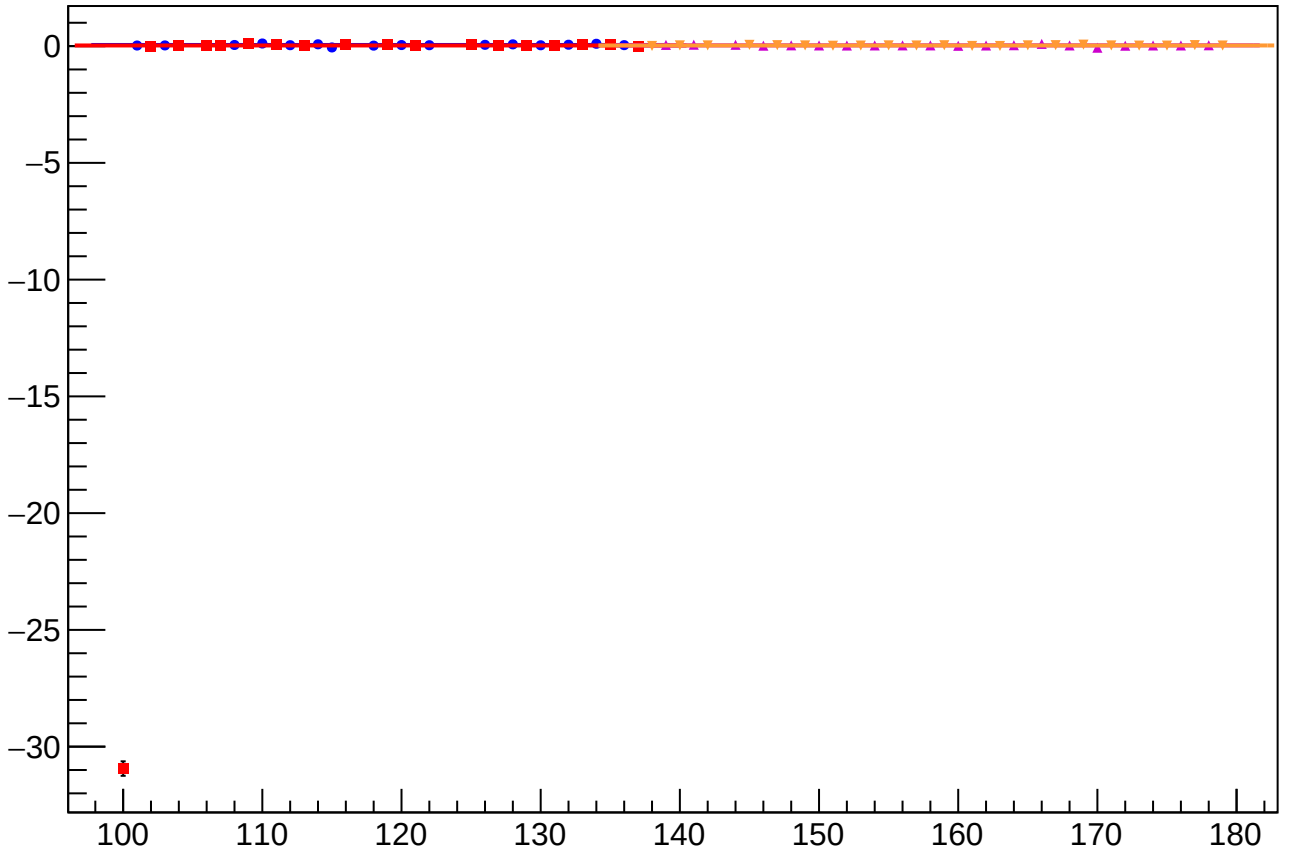
Left: -0.271+/-0.052 χ^2/NDF: 49.3/40

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.142+/-0.061 χ^2/NDF:46.5/35

Out: -0.276+/-0.060 χ^2/NDF:44.9/38

All: -0.210+/-0.043 χ^2/NDF: 93.8/74



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.003 χ^2/NDF:13.8/20

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.032+/-0.003 χ^2/NDF:30.5/19

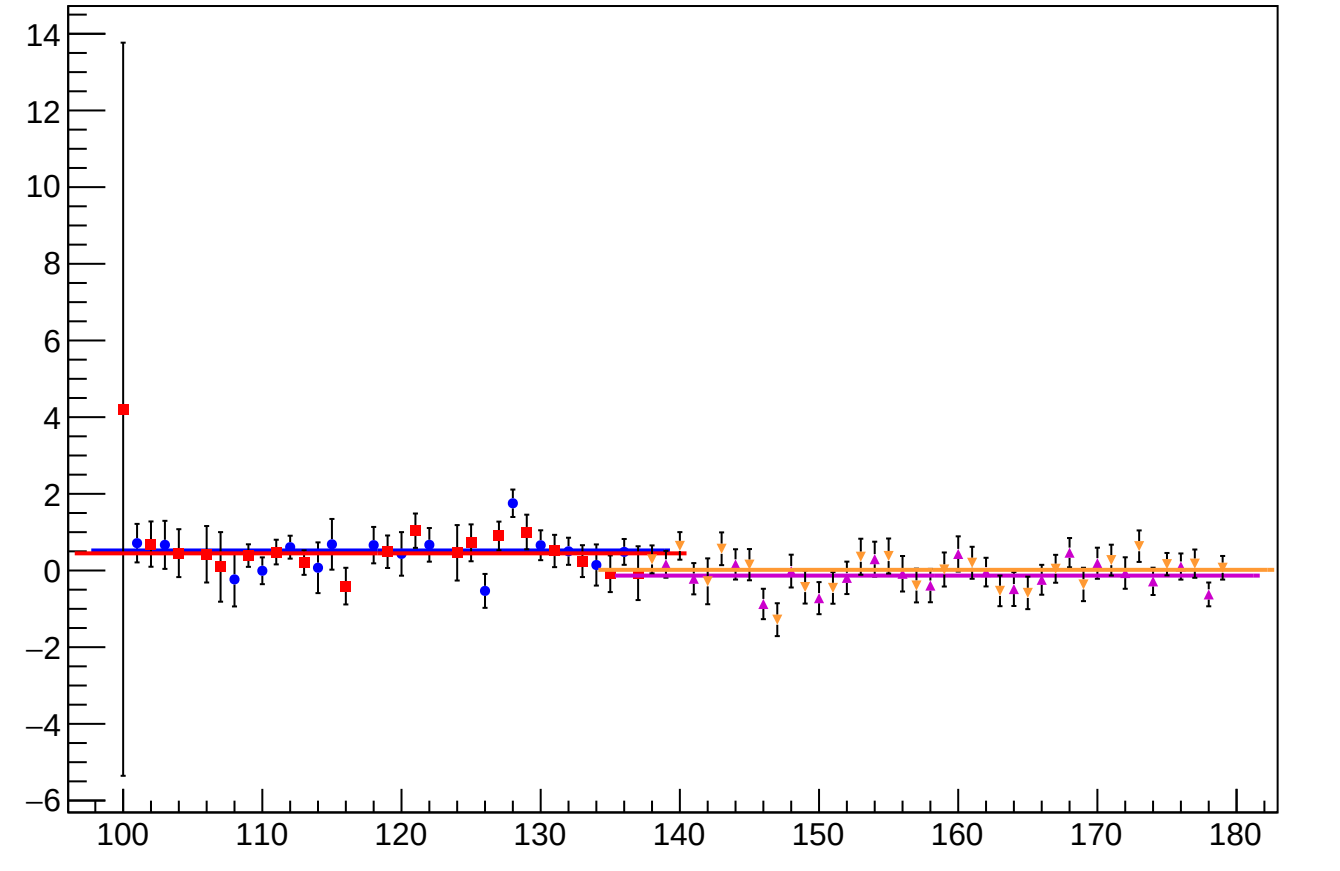
Left: 0.030+/-0.002 χ^2/NDF: 45.3/40

Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.036+/-0.003 χ^2/NDF:54.9/35

Out: 0.028+/-0.003 χ^2/NDF:10034.8/38

All: 0.032+/-0.002 χ^2/NDF: 10093.4/74



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.017+/-0.085 χ^2/NDF:27.2/21

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.133+/-0.088 χ^2/NDF:16.7/19

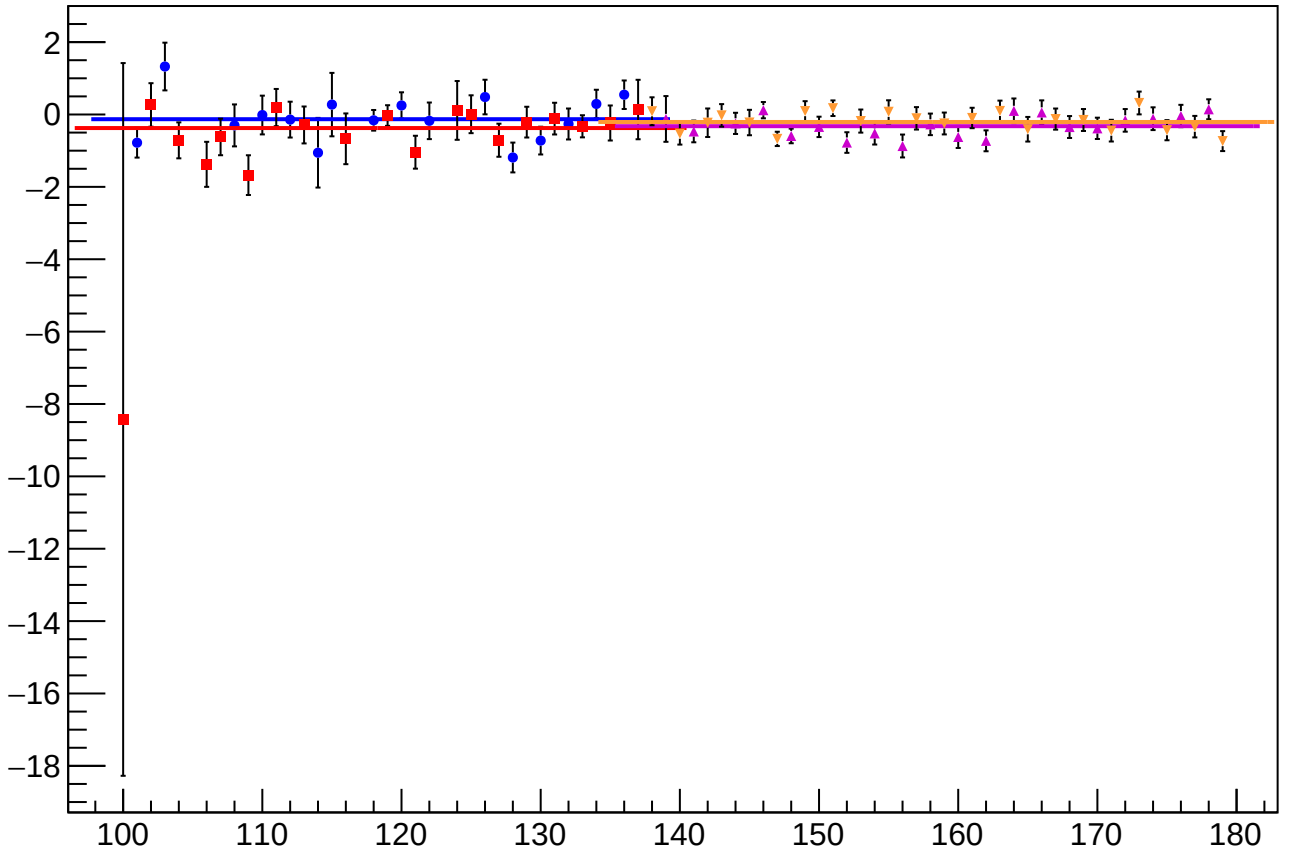
Left: -0.055+/-0.061 χ^2/NDF: 45.3/41

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.129+/-0.069 χ^2/NDF:61.2/35

Out: 0.188+/-0.066 χ^2/NDF:48.7/40

All: 0.159+/-0.048 χ^2/NDF: 110.3/76



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.207+/-0.062 χ^2/NDF:22.6/21

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.323+/-0.066 χ^2/NDF:22.2/19

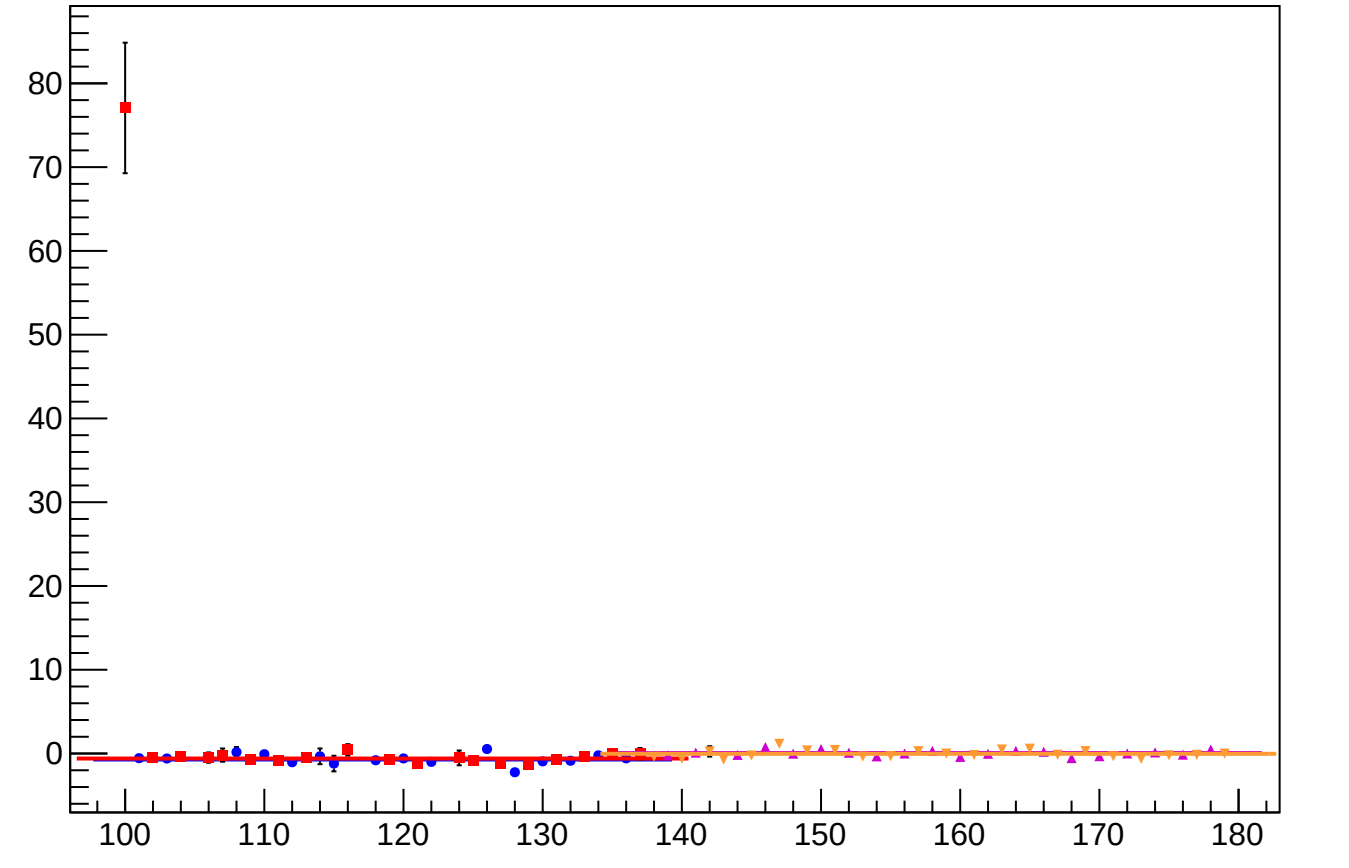
Left: -0.262+/-0.045 χ^2/NDF: 46.5/41

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.274+/-0.056 χ^2/NDF:49.0/35

Out: -0.247+/-0.054 χ^2/NDF:42.5/40

All: -0.260+/-0.039 χ^2/NDF: 91.7/76



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.035+/-0.084 χ^2/NDF:26.8/21

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.057+/-0.087 χ^2/NDF:14.4/19

Left: 0.009+/-0.060 χ^2/NDF: 41.9/41

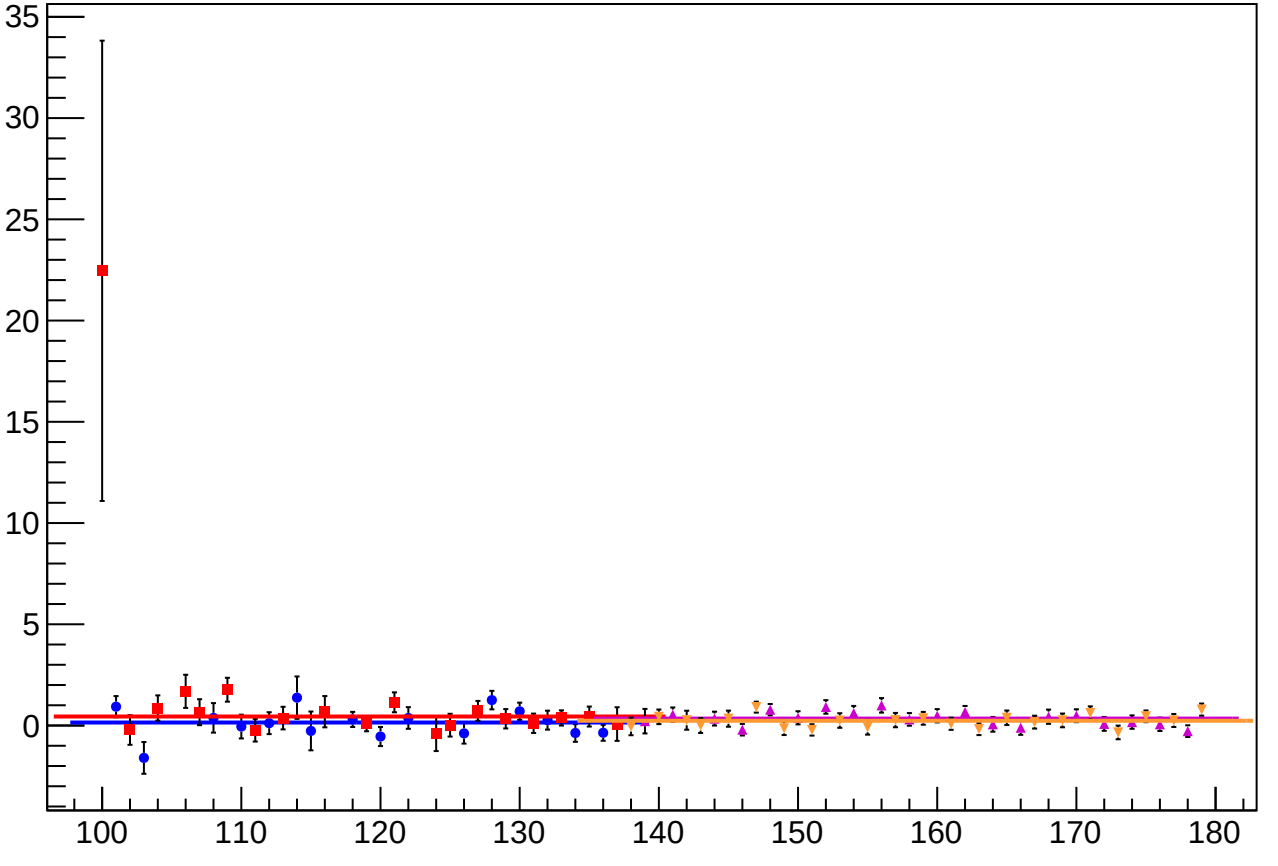
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.204+/-0.071 χ^2/NDF:65.9/35

Out: -0.216+/-0.069 χ^2/NDF:152.3/40

All: -0.210+/-0.049 χ^2/NDF: 218.1/76

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.234+/-0.071 χ^2/NDF:22.7/21

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.341+/-0.074 χ^2/NDF:23.4/19

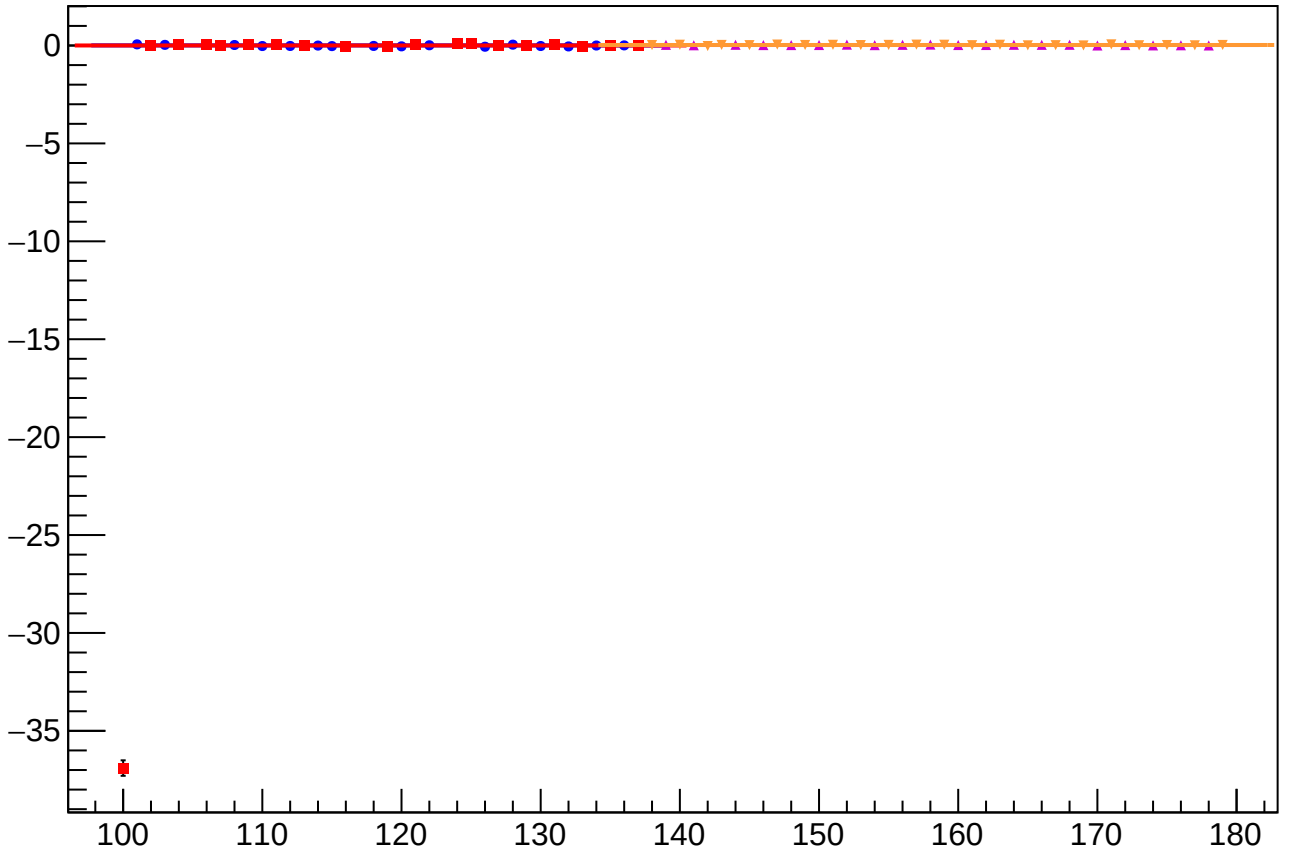
Left: 0.285+/-0.051 χ^2/NDF: 47.1/41

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.293+/-0.064 χ^2/NDF:48.3/35

Out: 0.284+/-0.062 χ^2/NDF:44.4/40

All: 0.288+/-0.045 χ^2/NDF: 92.8/76



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.003 χ^2/NDF:23.4/21

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.025+/-0.003 χ^2/NDF:16.9/19

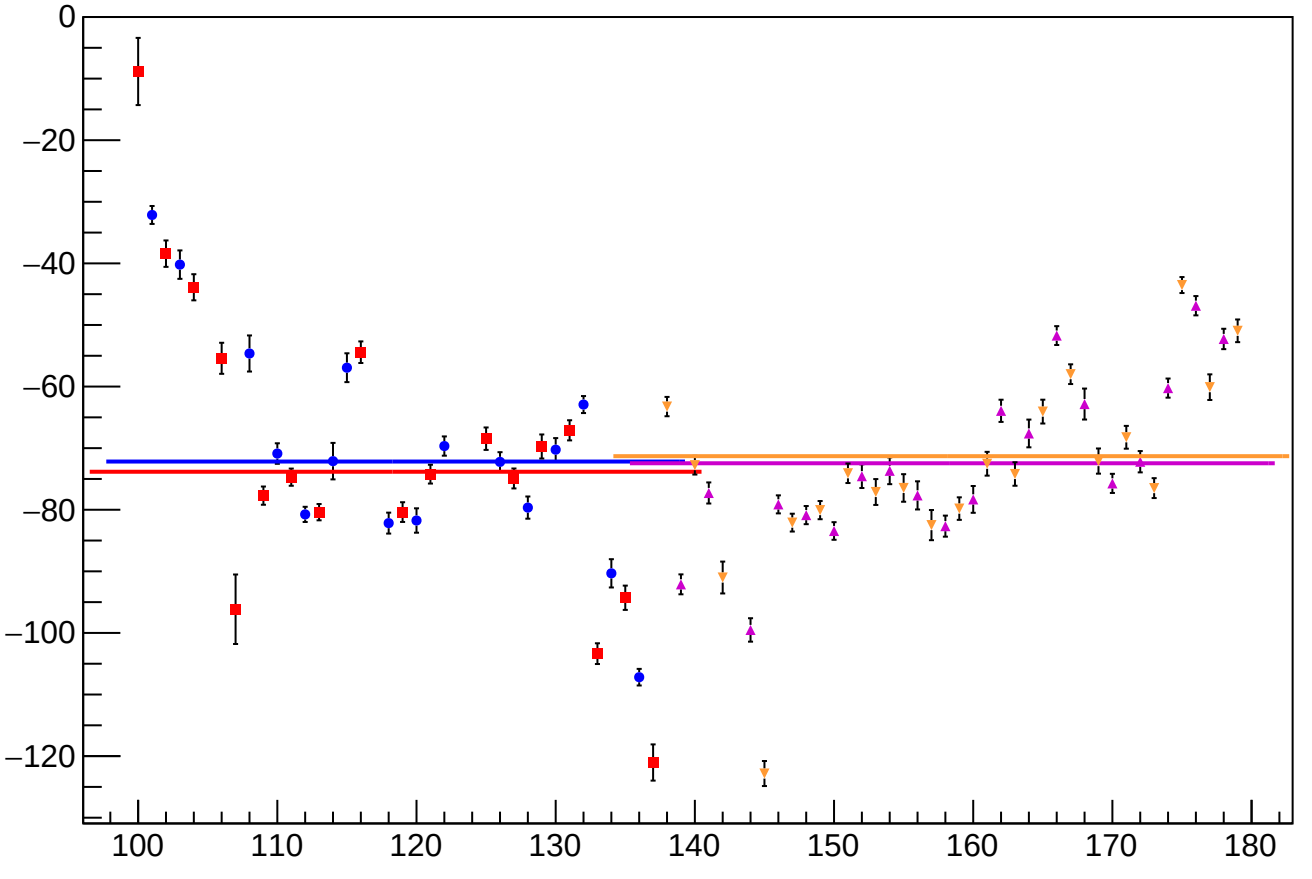
Left: 0.026+/-0.002 χ^2/NDF: 40.4/41

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.022+/-0.003 χ^2/NDF:39.8/35

Out: 0.023+/-0.003 χ^2/NDF:8785.6/40

All: 0.022+/-0.002 χ^2/NDF: 8825.4/76



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -71.301+/-0.387 χ^2/NDF:1586.4/20

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -72.453+/-0.387 χ^2/NDF:1227.3/19

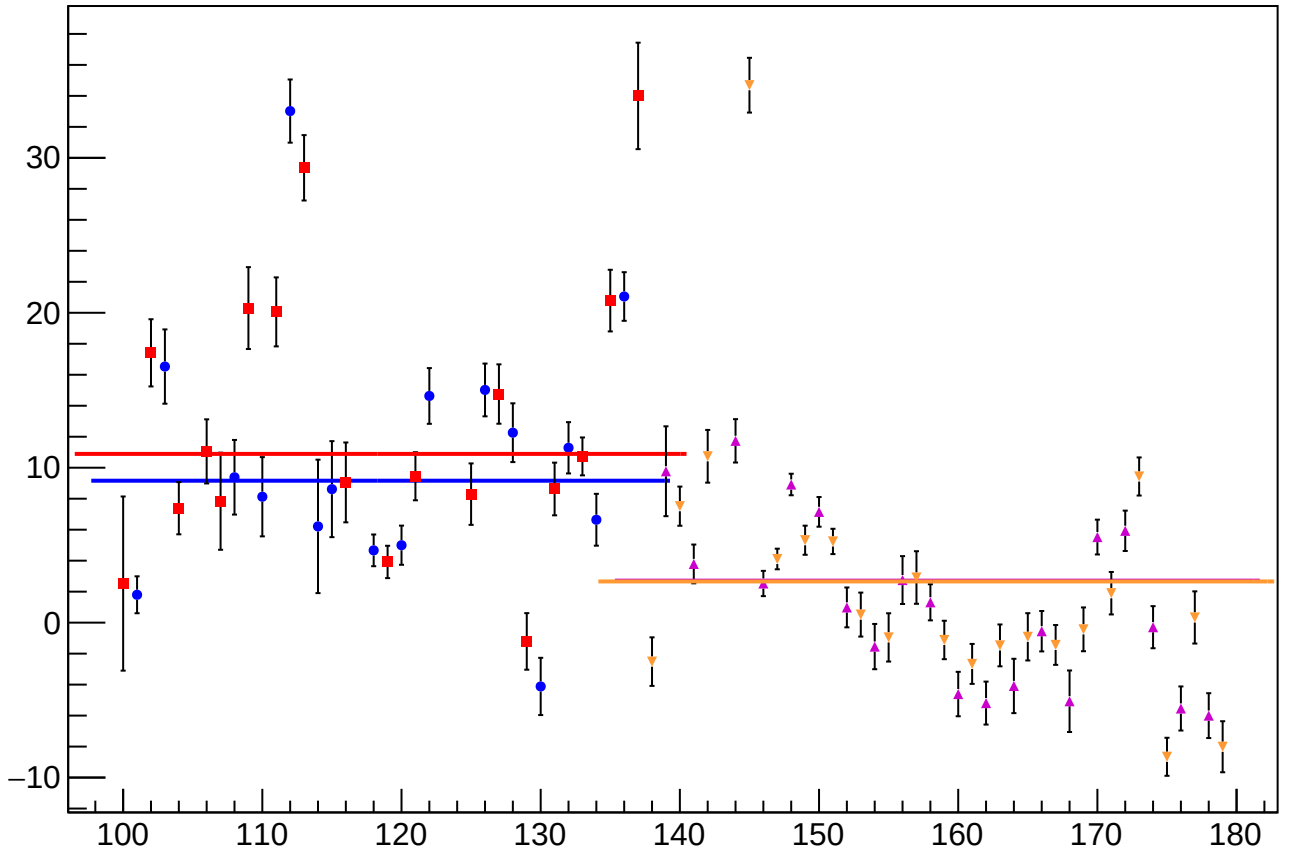
Left: -71.877+/-0.274 χ^2/NDF: 2818.2/40

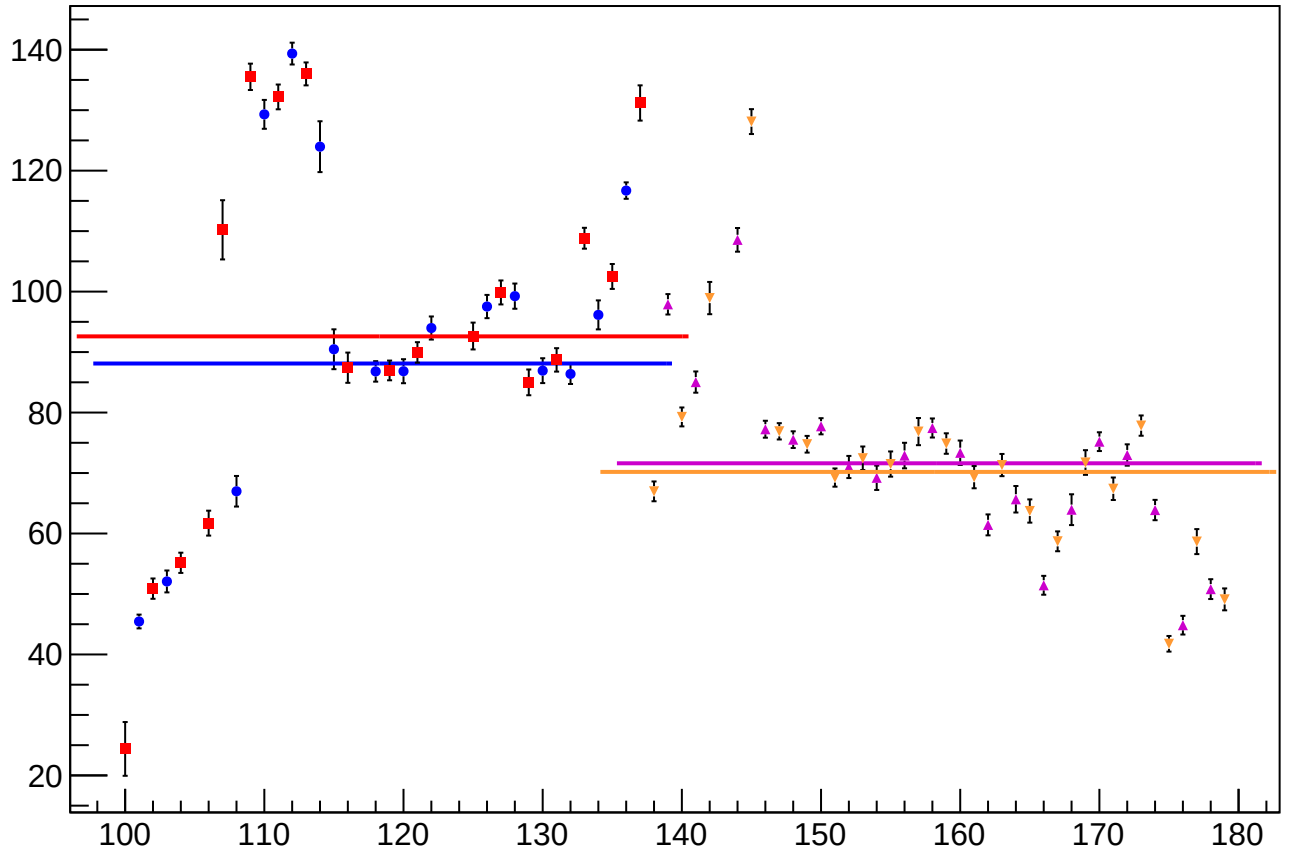
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -72.328+/-0.288 χ^2/NDF:3163.5/35

Out: -72.430+/-0.288 χ^2/NDF:3163.2/38

All: -72.379+/-0.204 χ^2/NDF: 6326.8/74


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 2.659+/-0.270 χ²/NDF:622.6/20
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 2.710+/-0.275 χ²/NDF:343.6/19
Left: 2.684+/-0.193 χ²/NDF: 966.2/40
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 4.613+/-0.231 χ²/NDF:858.1/35
Out: 4.906+/-0.230 χ²/NDF:1167.2/38
All: 4.760+/-0.163 χ²/NDF: 2026.1/74



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 70.186+/-0.379 χ^2/NDF:1734.2/20

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 71.611+/-0.380 χ^2/NDF:1425.1/19

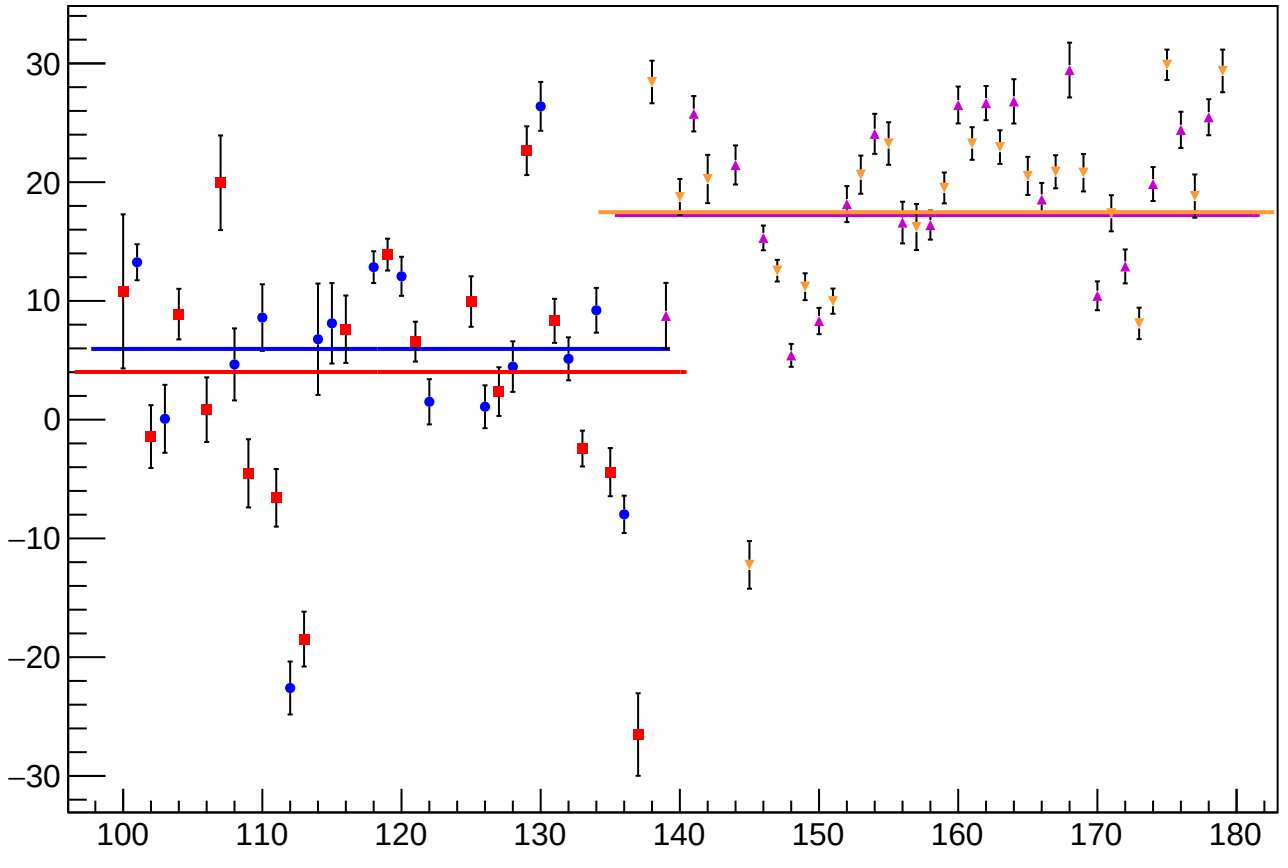
Left: 70.897+/-0.268 χ^2/NDF: 3166.4/40

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 78.150+/-0.295 χ^2/NDF:5735.1/35

Out: 78.715+/-0.298 χ^2/NDF:6277.9/38

All: 78.429+/-0.210 χ^2/NDF: 12014.8/74



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.475+/-0.313 χ^2/NDF:621.2/20

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 17.231+/-0.317 χ^2/NDF:513.0/19

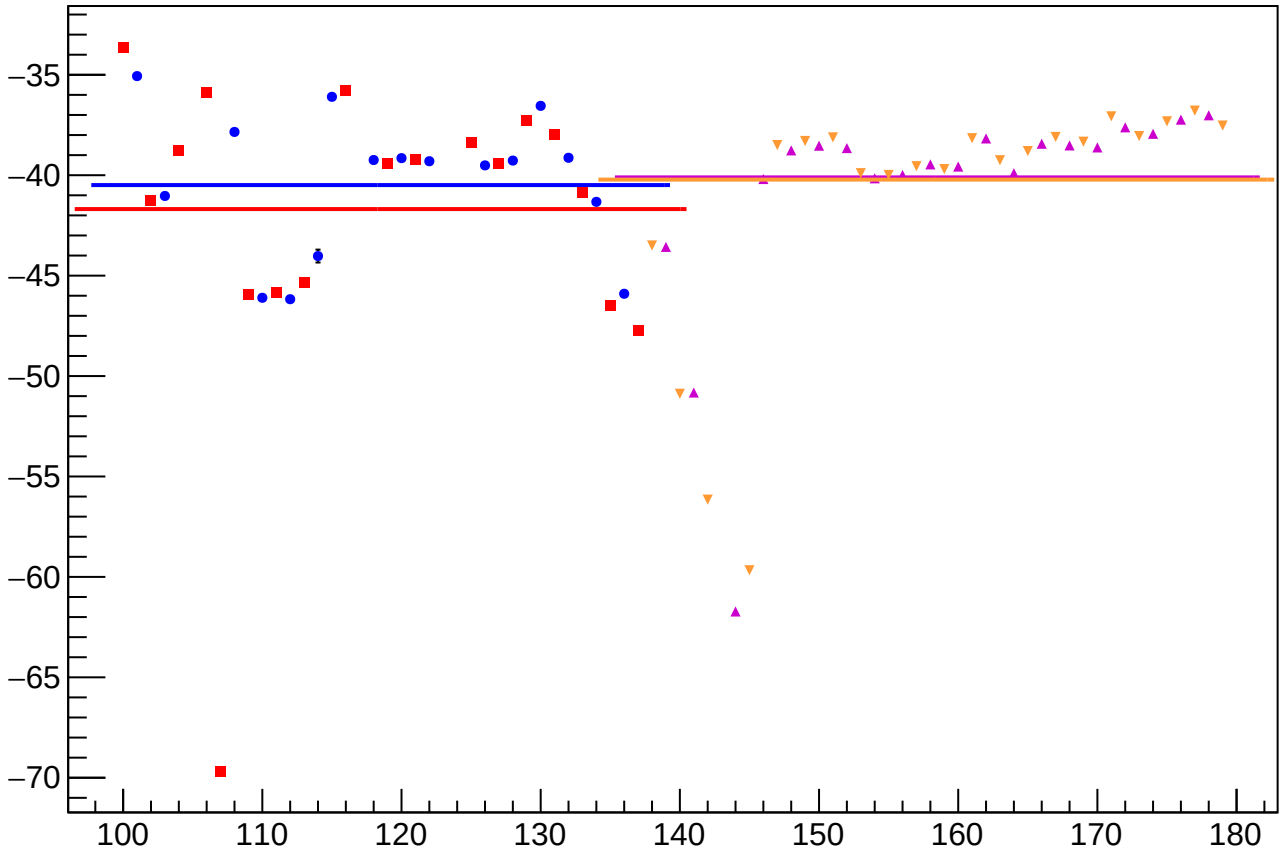
Left: 17.354+/-0.223 χ^2/NDF: 1134.5/40

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 13.948+/-0.267 χ^2/NDF:1307.9/35

Out: 13.792+/-0.267 χ^2/NDF:1545.4/38

All: 13.870+/-0.189 χ^2/NDF: 2853.5/74



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.218+/-0.015 χ^2/NDF:120612.5/20

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.108+/-0.014 χ^2/NDF:97504.7/19

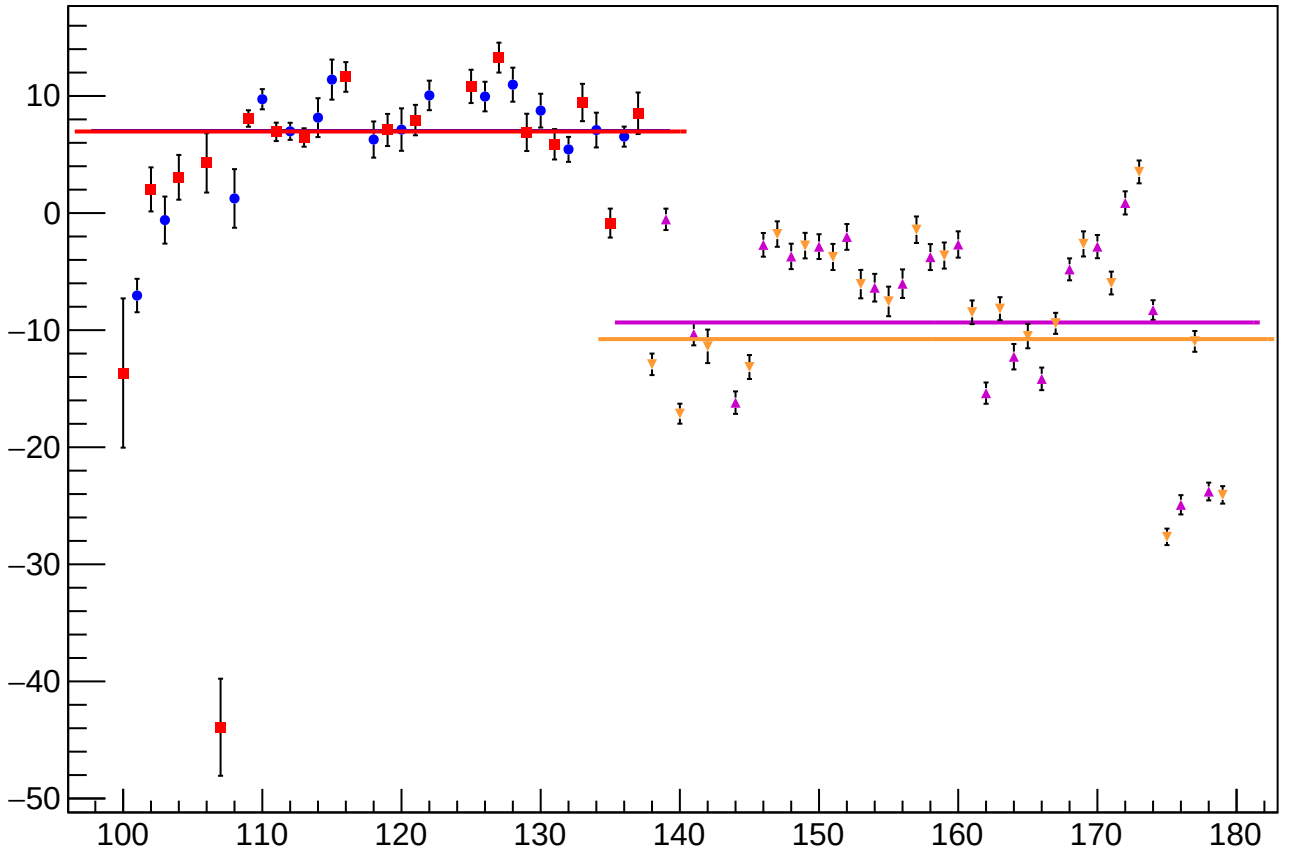
Left: -40.163+/-0.010 χ^2/NDF: 218146.2/40

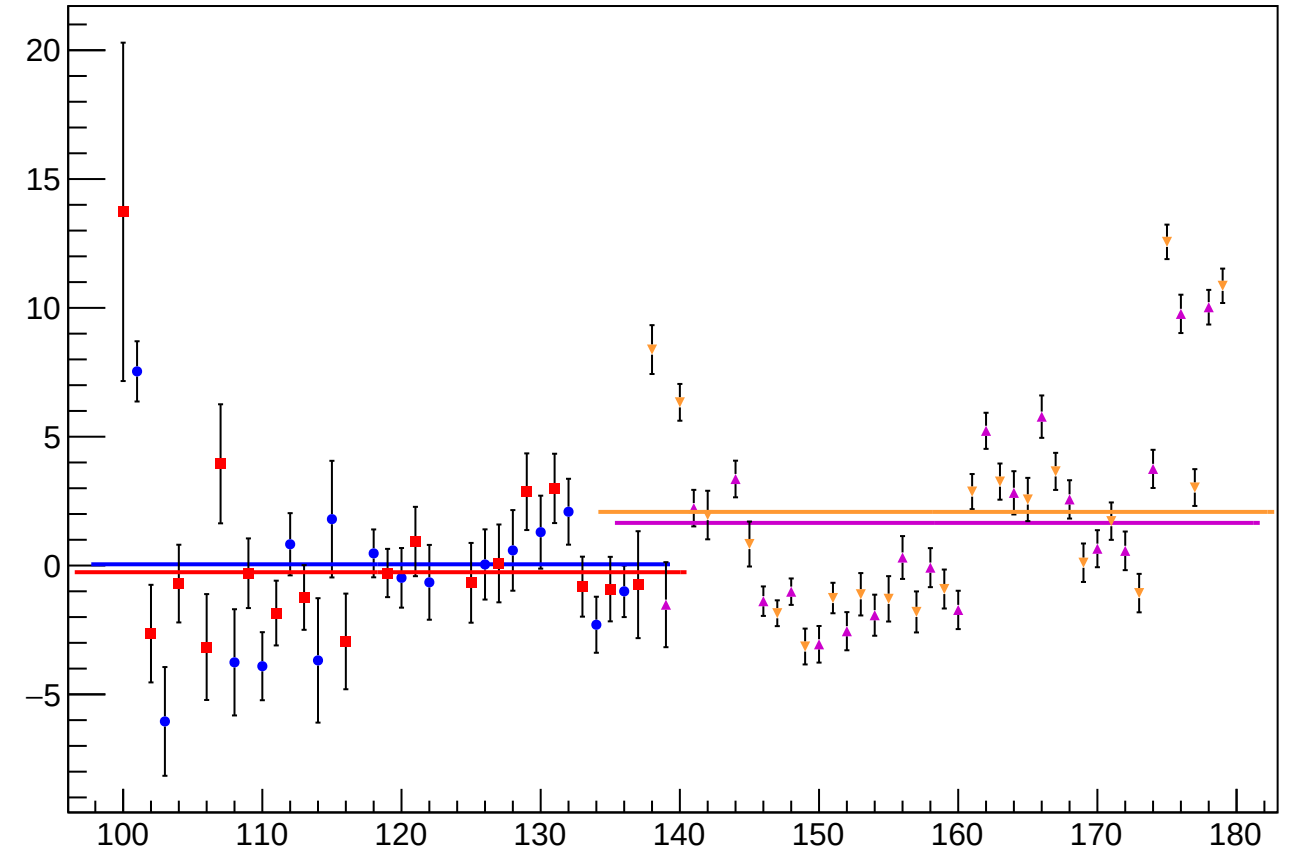
Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

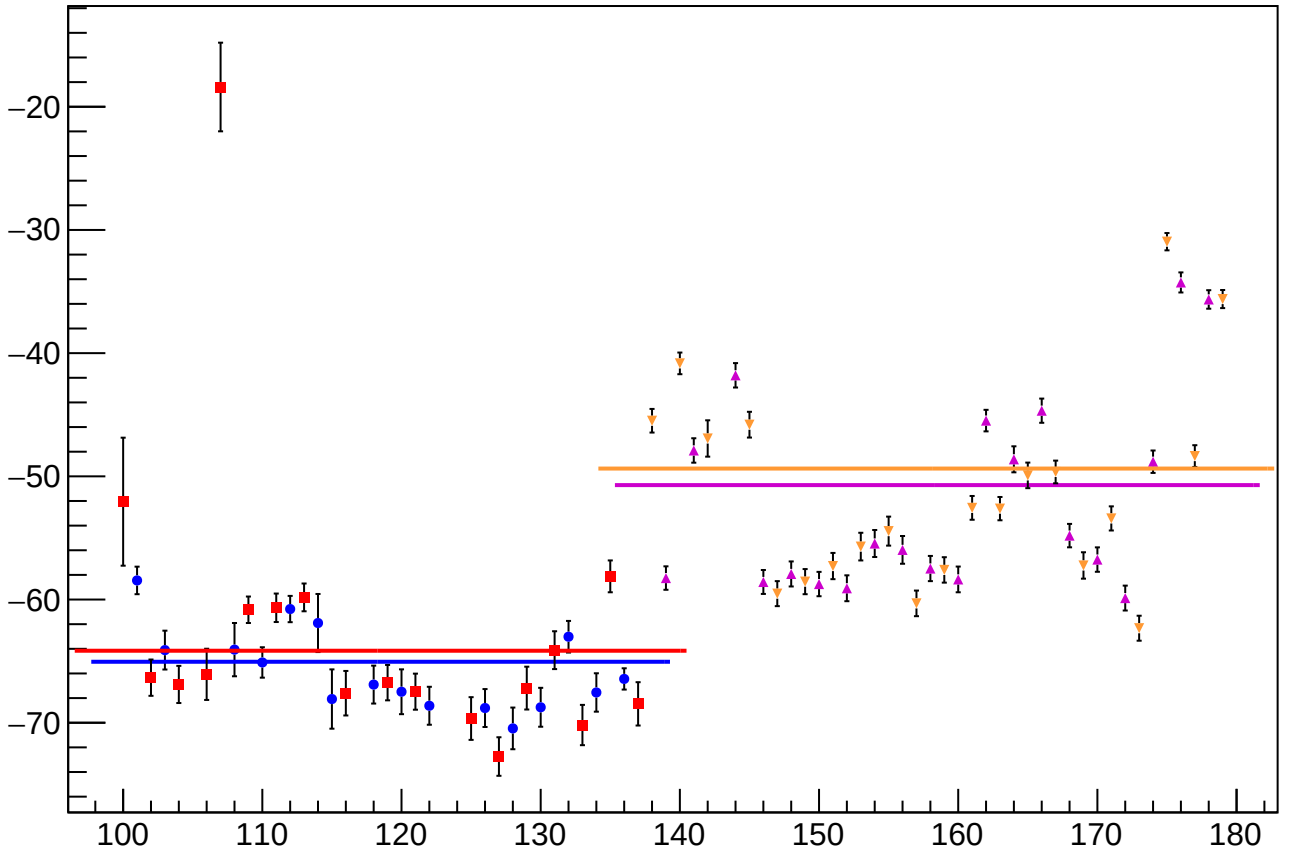
In: -40.187+/-0.013 χ^2/NDF:115775.1/35

Out: -40.510+/-0.013 χ^2/NDF:159466.9/38

All: -40.346+/-0.009 χ^2/NDF: 275553.7/74


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
Right In: 7.011+/-0.309 χ²/NDF: 156.3/15
Left Out: -10.764+/-0.215 χ²/NDF:1561.3/20
Right Out: 6.967+/-0.298 χ²/NDF: 266.0/17
Left In: -9.344+/-0.219 χ²/NDF:1339.9/19
Left: -10.067+/-0.154 χ²/NDF: 2922.6/40
Right: 6.988+/-0.215 χ²/NDF: 422.3/33
In: -3.876+/-0.179 χ²/NDF:3358.0/35
Out: -4.692+/-0.175 χ²/NDF:4152.4/38
All: -4.294+/-0.125 χ²/NDF: 7521.0/74


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 2.082+/-0.158 χ²/NDF:755.1/20
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 1.655+/-0.163 χ²/NDF:530.7/19
Left: 1.874+/-0.113 χ²/NDF: 1289.4/40
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 1.344+/-0.146 χ²/NDF:624.7/35
Out: 1.674+/-0.144 χ²/NDF:820.8/38
All: 1.512+/-0.102 χ²/NDF: 1448.1/74



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -49.368+/-0.212 χ^2/NDF:1883.1/20

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -50.711+/-0.216 χ^2/NDF:1565.7/19

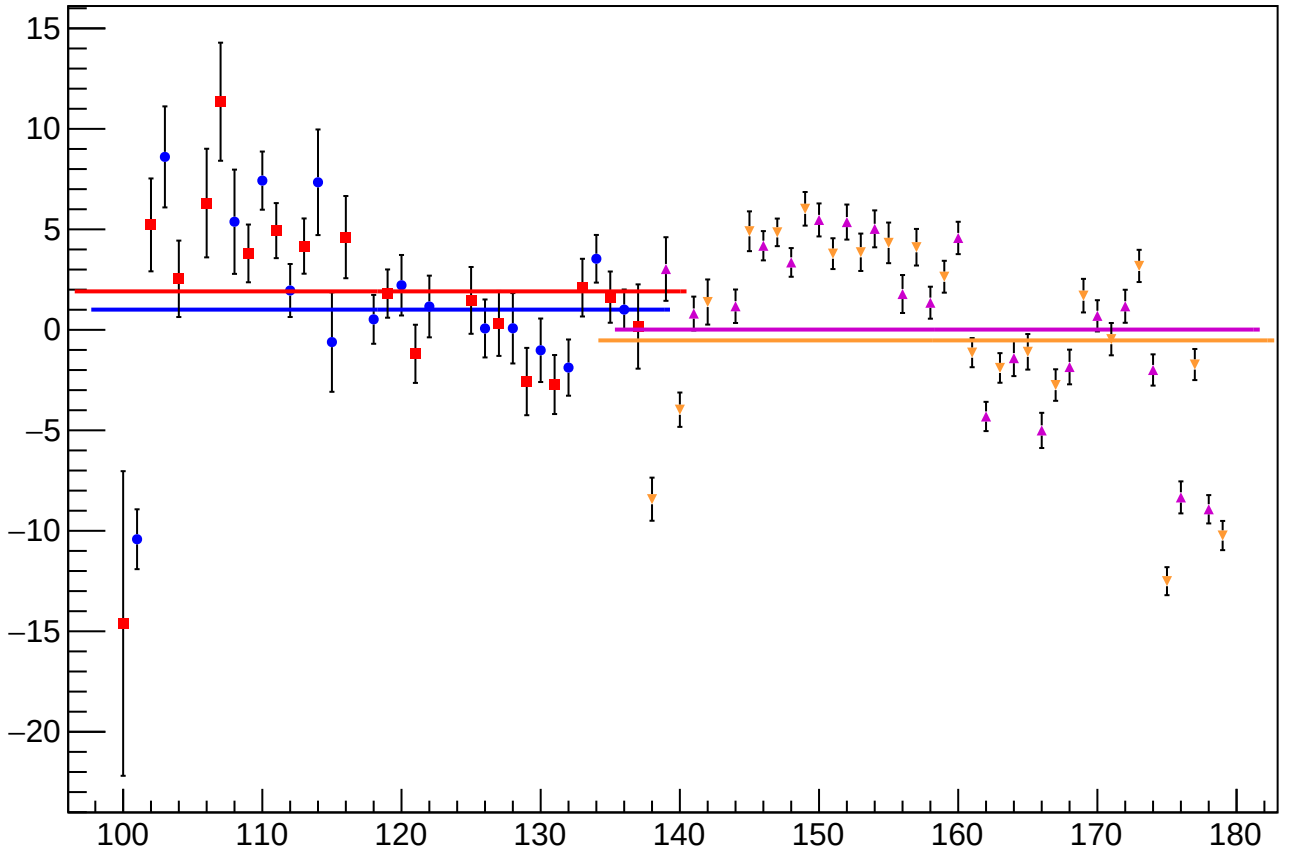
Left: -50.026+/-0.151 χ^2/NDF: 3468.6/40

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -54.602+/-0.184 χ^2/NDF:2854.2/35

Out: -53.163+/-0.183 χ^2/NDF:3438.0/38

All: -53.875+/-0.130 χ^2/NDF: 6323.0/74



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -0.525+/-0.179 χ^2/NDF:862.4/20

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 0.014+/-0.184 χ^2/NDF:566.5/19

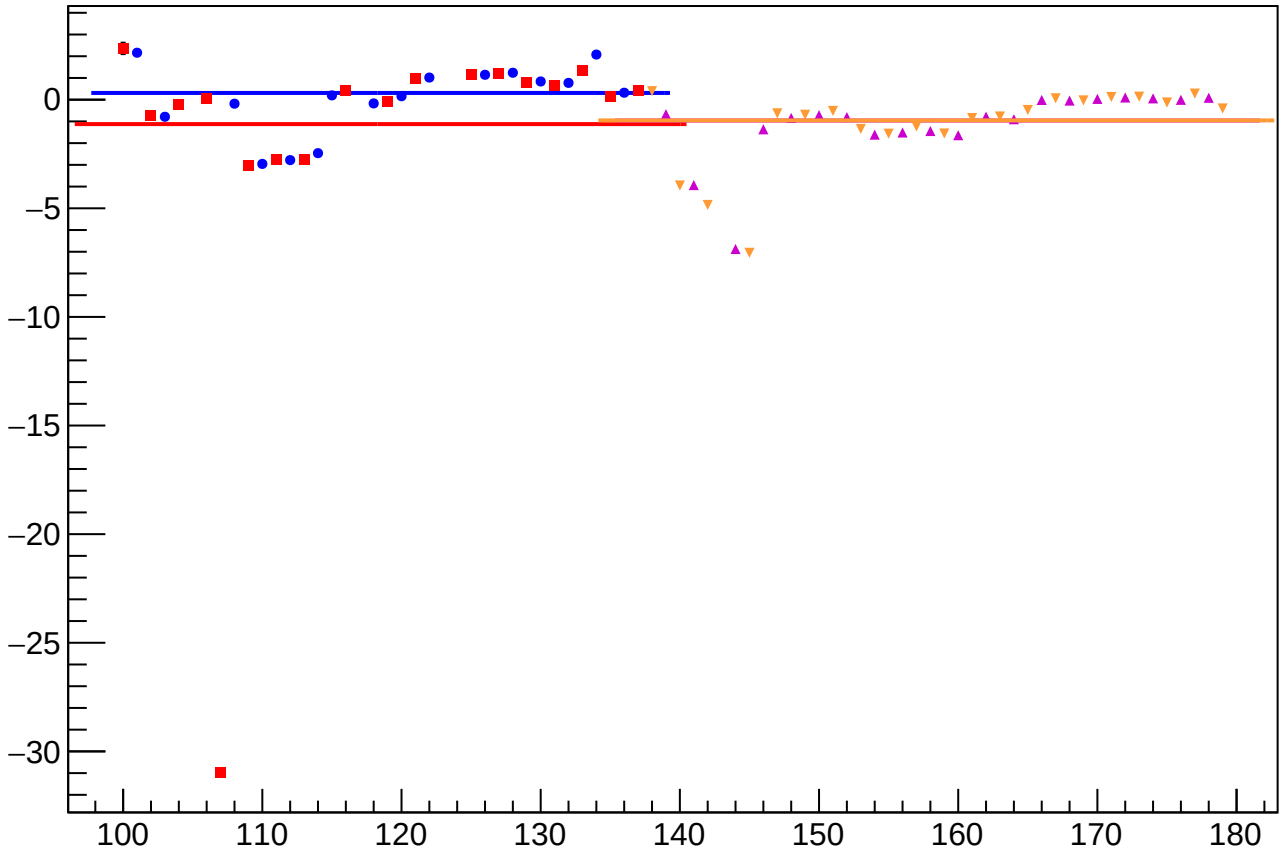
Left: -0.263+/-0.129 χ^2/NDF: 1433.3/40

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 0.206+/-0.165 χ^2/NDF:681.3/35

Out: -0.098+/-0.163 χ^2/NDF:949.2/38

All: 0.052+/-0.116 χ^2/NDF: 1632.3/74



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.954+/-0.008 χ^2/NDF:40205.7/20

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -0.960+/-0.008 χ^2/NDF:30532.5/19

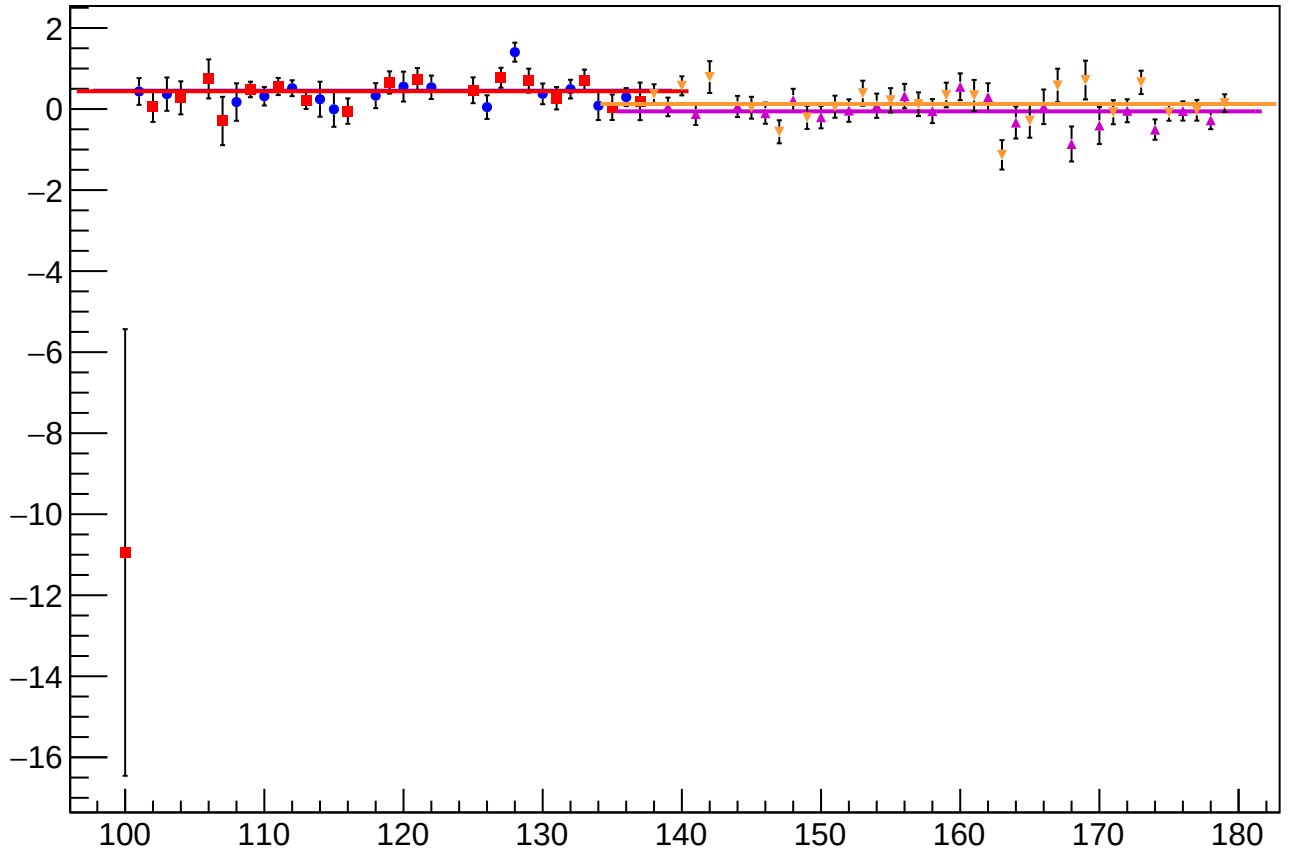
Left: -0.957+/-0.006 χ^2/NDF: 70738.5/40

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.796+/-0.008 χ^2/NDF:38547.8/35

Out: -0.974+/-0.008 χ^2/NDF:86605.0/38

All: -0.885+/-0.005 χ^2/NDF: 125430.2/74



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.125+/-0.063 χ^2/NDF:37.6/20

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.057+/-0.064 χ^2/NDF:16.8/19

Left: 0.036+/-0.045 χ^2/NDF: 58.4/40

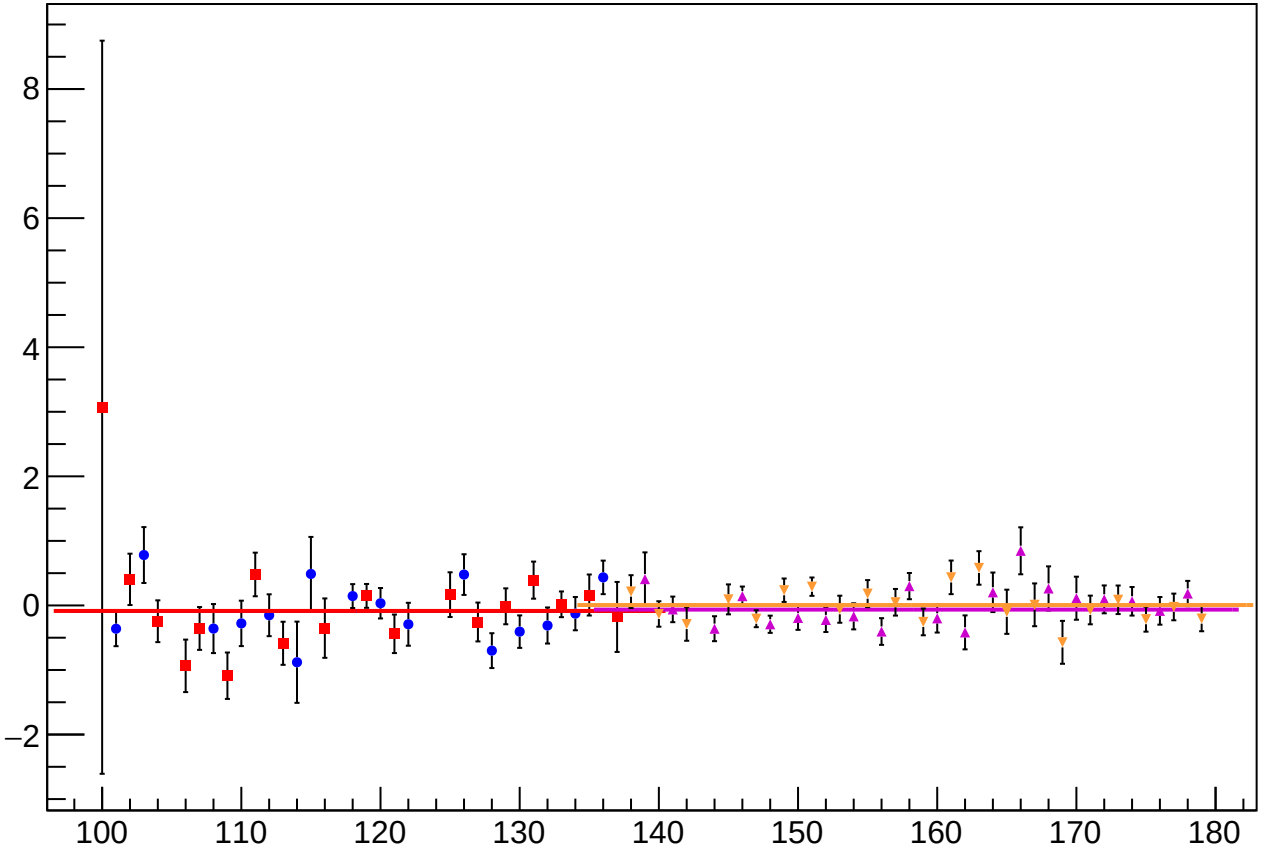
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.172+/-0.048 χ^2/NDF:67.5/35

Out: 0.266+/-0.047 χ^2/NDF:67.4/38

All: 0.220+/-0.033 χ^2/NDF: 136.9/74

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.006+/-0.046 χ^2/NDF:26.7/20

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.065+/-0.047 χ^2/NDF:28.8/19

Left: -0.028+/-0.033 χ^2/NDF: 56.7/40

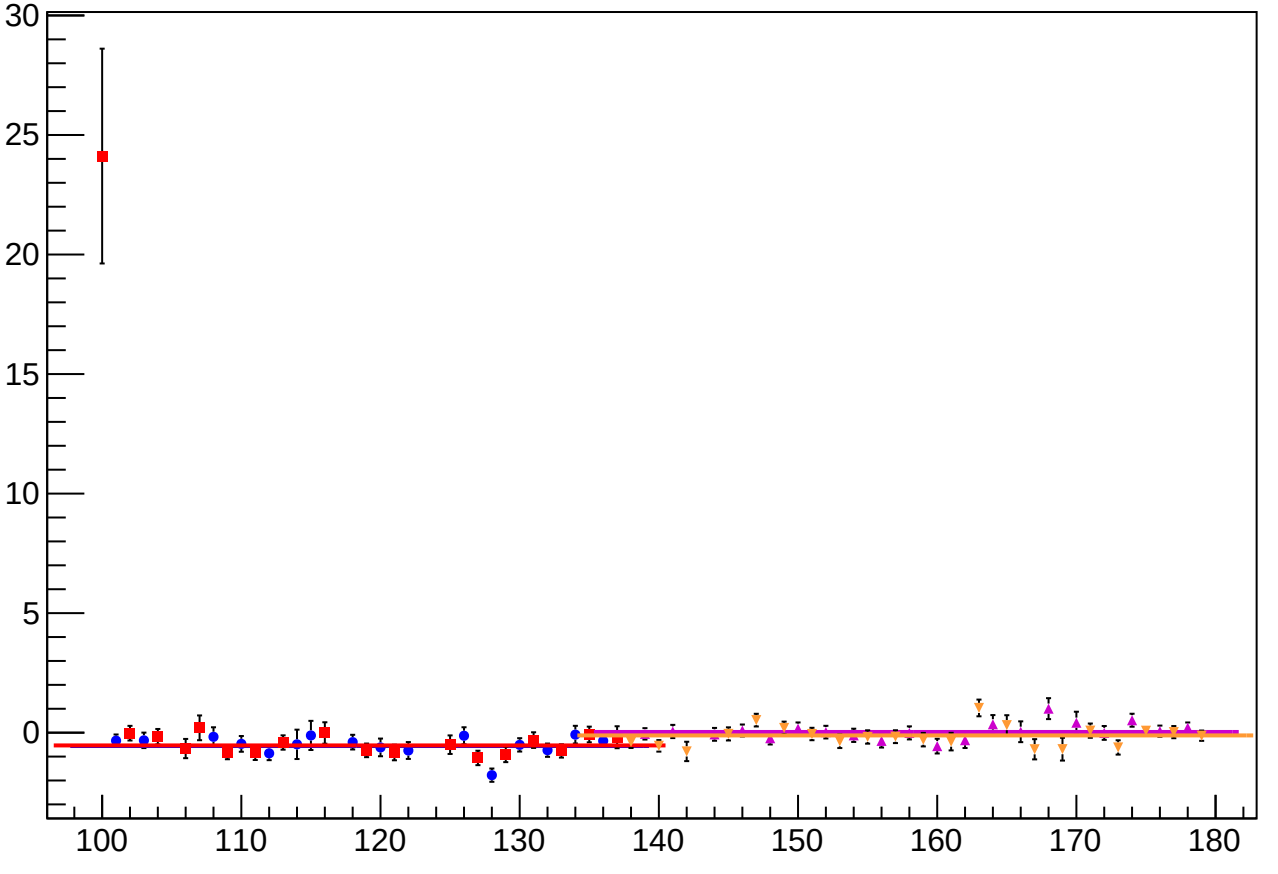
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.071+/-0.040 χ^2/NDF:54.3/35

Out: -0.019+/-0.039 χ^2/NDF:55.7/38

All: -0.045+/-0.028 χ^2/NDF: 110.8/74

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.115+/-0.062 χ^2/NDF:35.9/20

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.029+/-0.063 χ^2/NDF:18.8/19

Left: -0.045+/-0.044 χ^2/NDF: 57.4/40

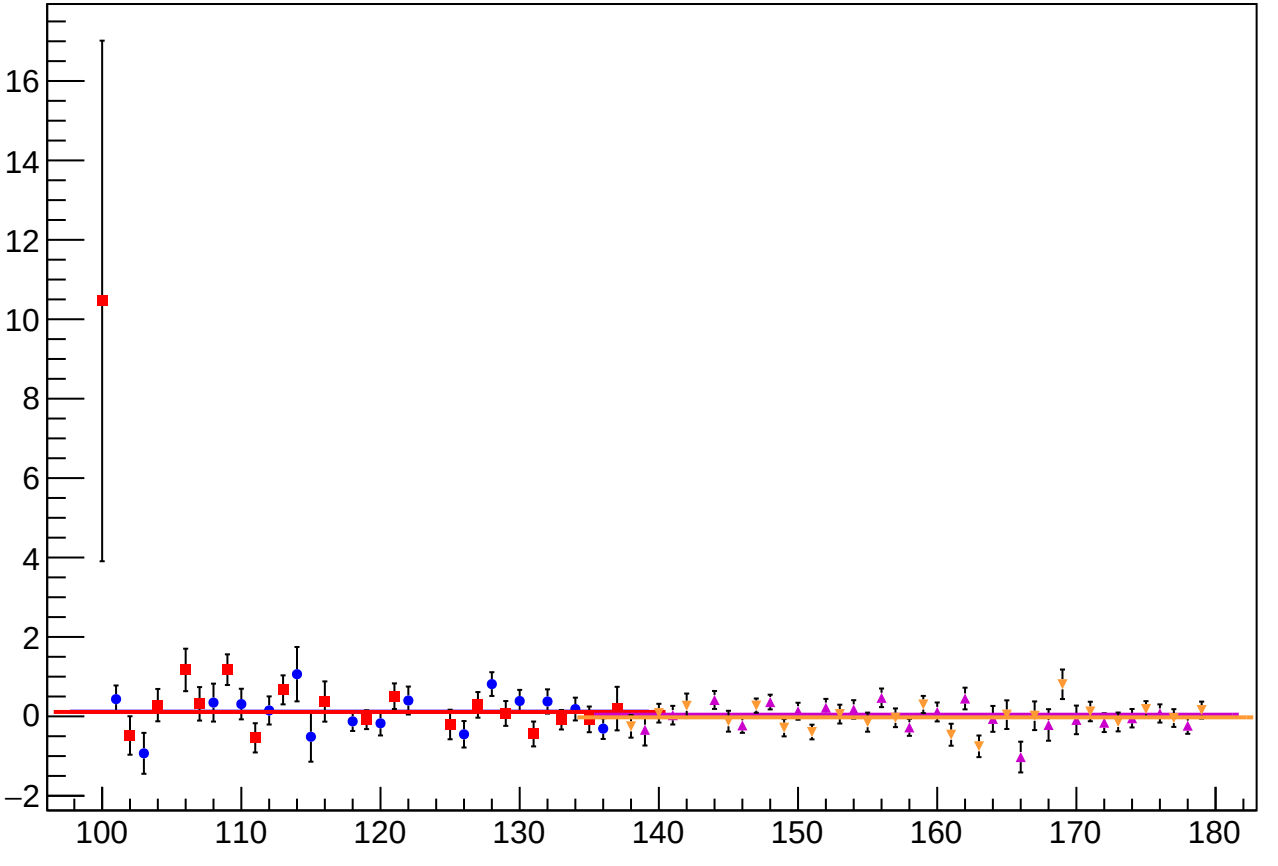
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.198+/-0.050 χ^2/NDF:80.5/35

Out: -0.270+/-0.049 χ^2/NDF:102.1/38

All: -0.234+/-0.035 χ^2/NDF: 183.6/74

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.025+/-0.053 χ^2/NDF:29.7/20

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.041+/-0.054 χ^2/NDF:28.5/19

Left: 0.008+/-0.038 χ^2/NDF: 59.0/40

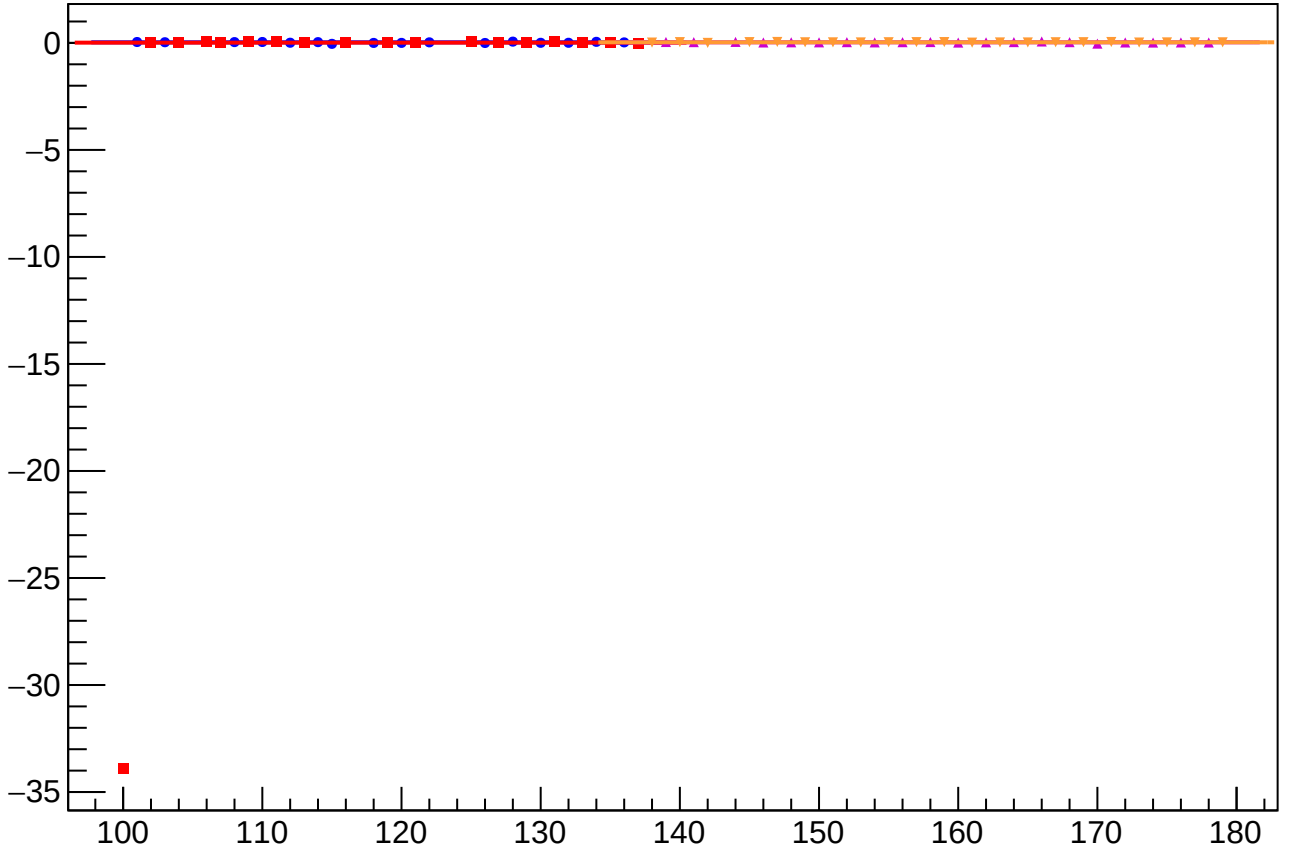
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.064+/-0.045 χ^2/NDF:52.7/35

Out: 0.013+/-0.045 χ^2/NDF:60.6/38

All: 0.038+/-0.032 χ^2/NDF: 113.9/74

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.002 χ^2/NDF:15.1/20

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.028+/-0.002 χ^2/NDF:34.1/19

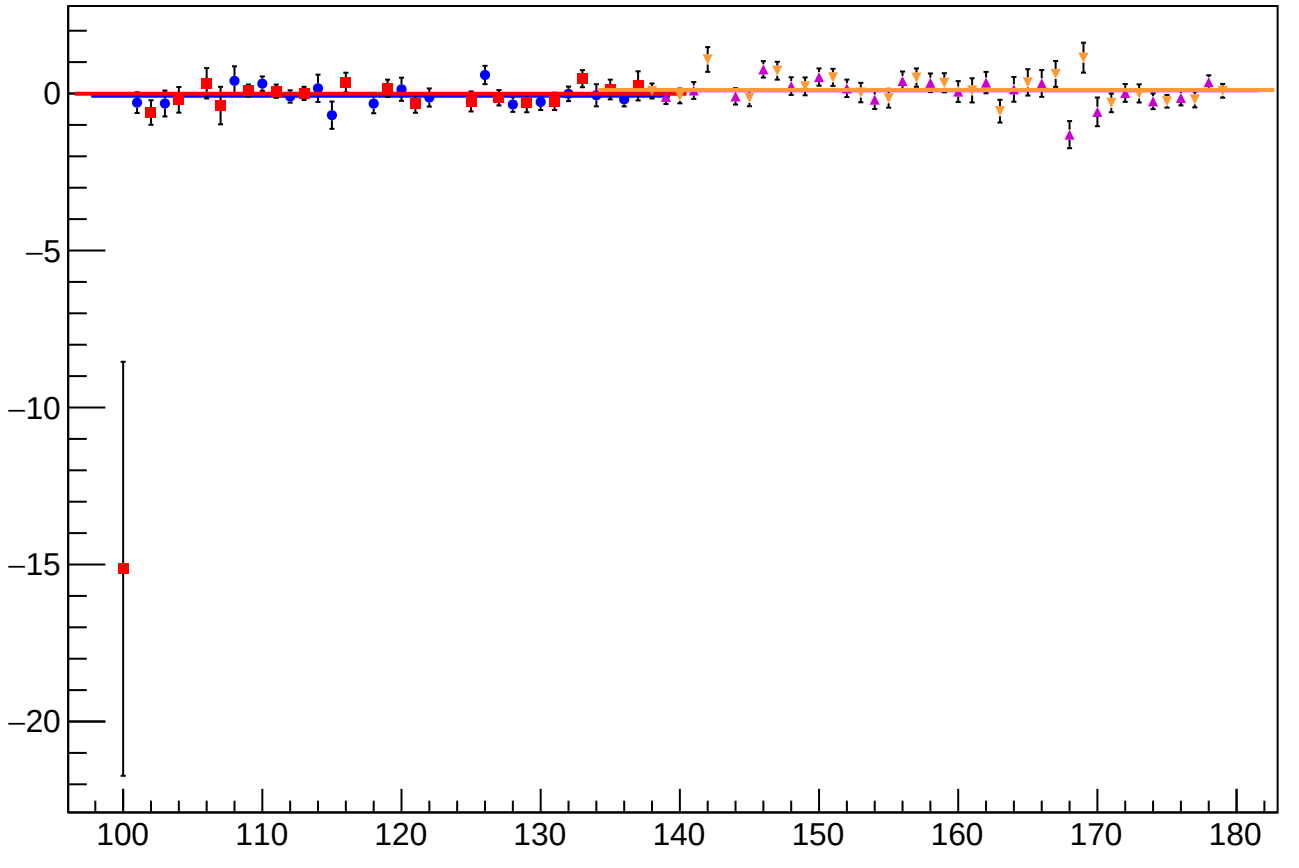
Left: 0.028+/-0.002 χ^2/NDF: 49.2/40

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.028+/-0.002 χ^2/NDF:48.8/35

Out: 0.025+/-0.002 χ^2/NDF:22285.8/38

All: 0.026+/-0.002 χ^2/NDF: 22335.9/74



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.114+/-0.063 χ^2/NDF:34.4/20

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.103+/-0.064 χ^2/NDF:31.3/19

Left: 0.109+/-0.045 χ^2/NDF: 65.8/40

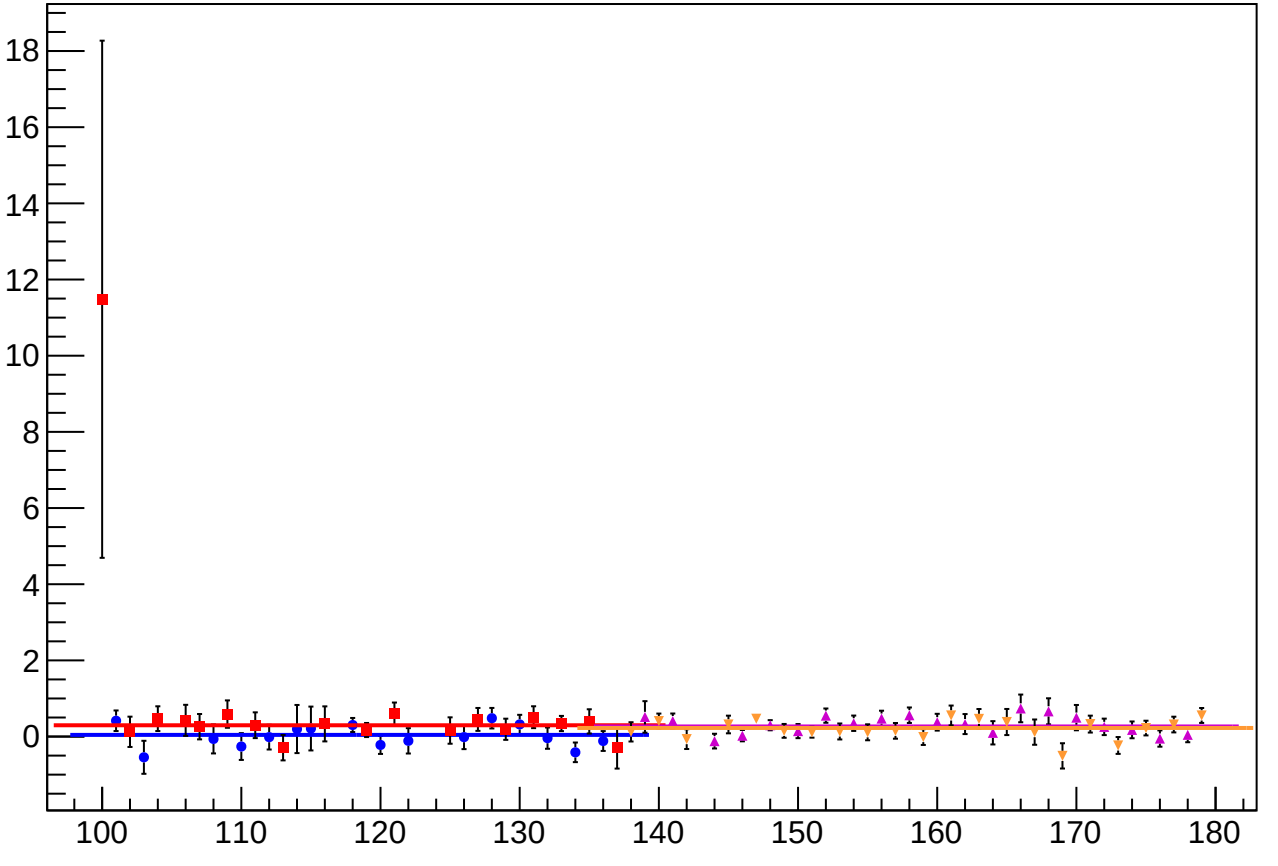
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.025+/-0.048 χ^2/NDF:50.1/35

Out: 0.060+/-0.047 χ^2/NDF:54.2/38

All: 0.043+/-0.033 χ^2/NDF: 104.6/74

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.225+/-0.046 χ^2/NDF:23.7/20

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.265+/-0.047 χ^2/NDF:21.3/19

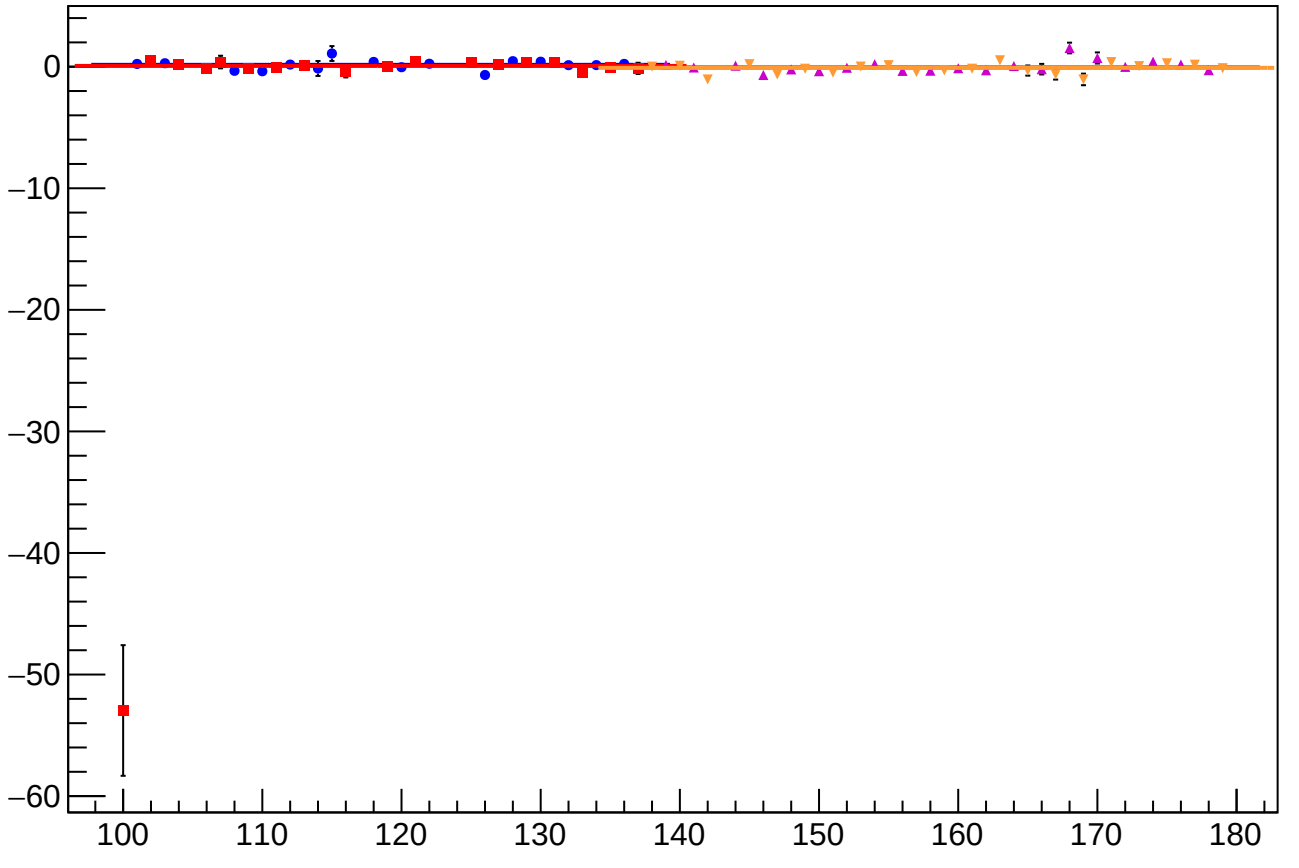
Left: 0.245+/-0.033 χ^2/NDF: 45.4/40

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.200+/-0.040 χ^2/NDF:43.6/35

Out: 0.245+/-0.039 χ^2/NDF:35.4/38

All: 0.223+/-0.028 χ^2/NDF: 79.6/74



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.093+/-0.062 χ^2/NDF:33.1/20

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.057+/-0.063 χ^2/NDF:34.1/19

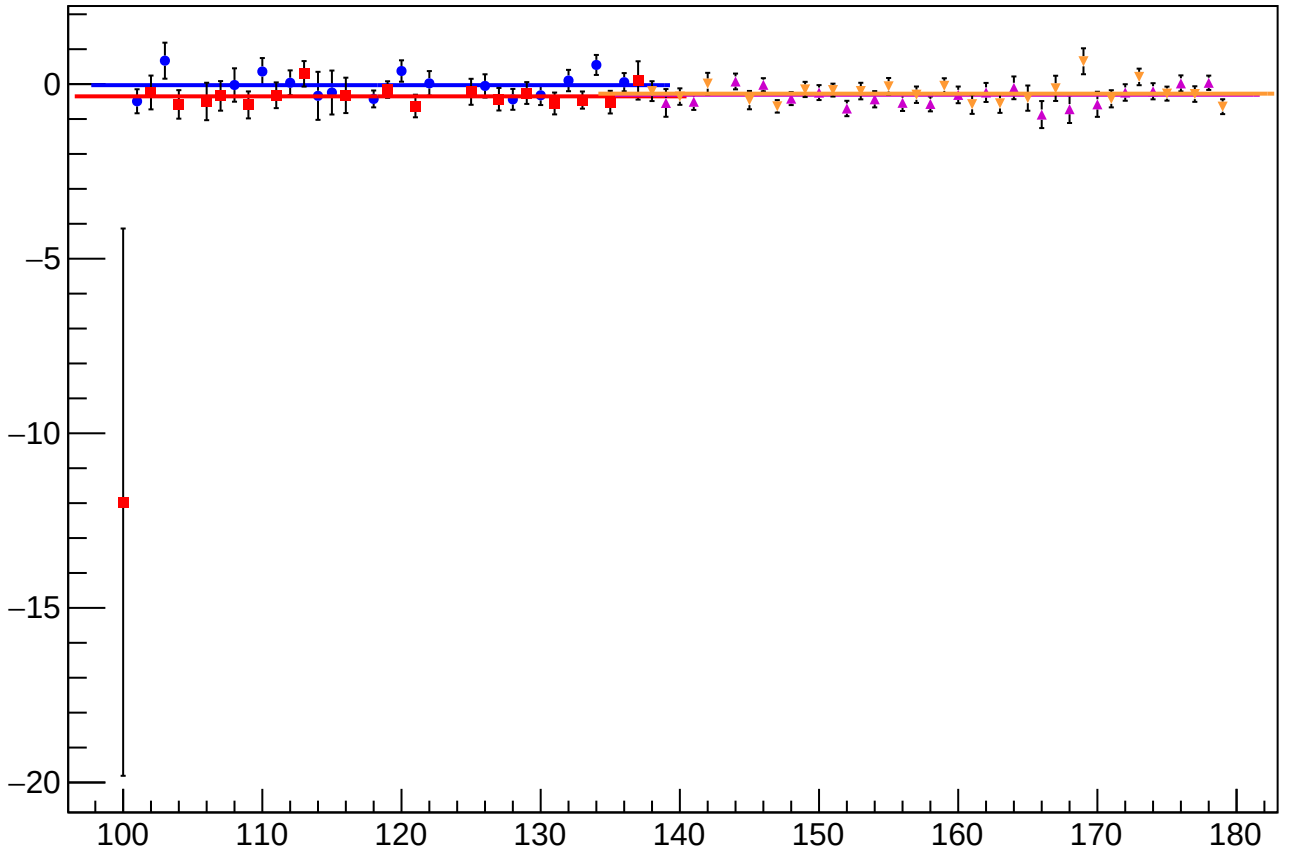
Left: -0.075+/-0.044 χ^2/NDF: 67.3/40

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.024+/-0.050 χ^2/NDF:53.9/35

Out: -0.034+/-0.049 χ^2/NDF:144.8/38

All: -0.005+/-0.035 χ^2/NDF: 199.5/74



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.274+/-0.053 χ^2/NDF:24.5/20

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.306+/-0.054 χ^2/NDF:21.9/19

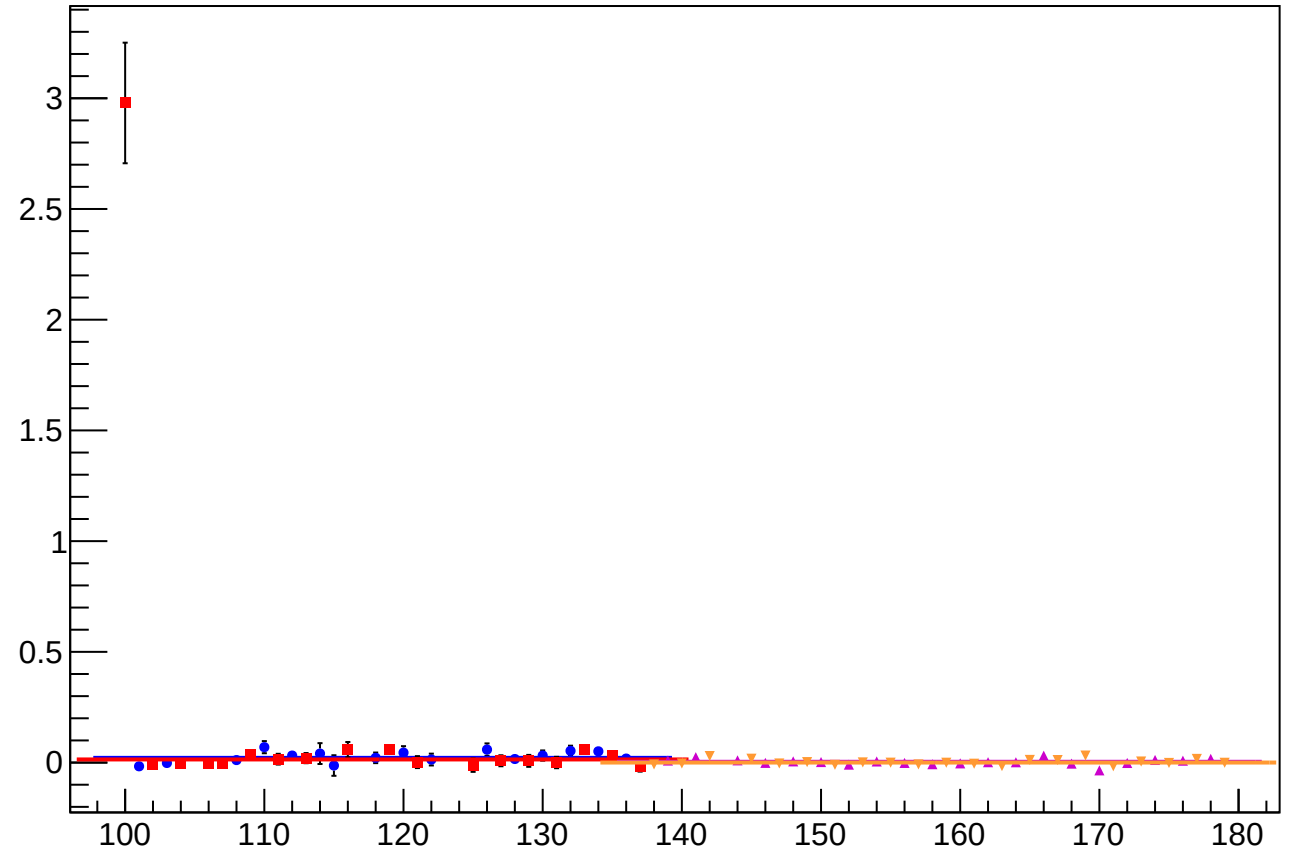
Left: -0.289+/-0.038 χ^2/NDF: 46.6/40

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.225+/-0.045 χ^2/NDF:46.3/35

Out: -0.295+/-0.045 χ^2/NDF:34.5/38

All: -0.261+/-0.032 χ^2/NDF: 82.0/74



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.002 χ^2/NDF:21.3/20

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.004+/-0.002 χ^2/NDF:20.3/19

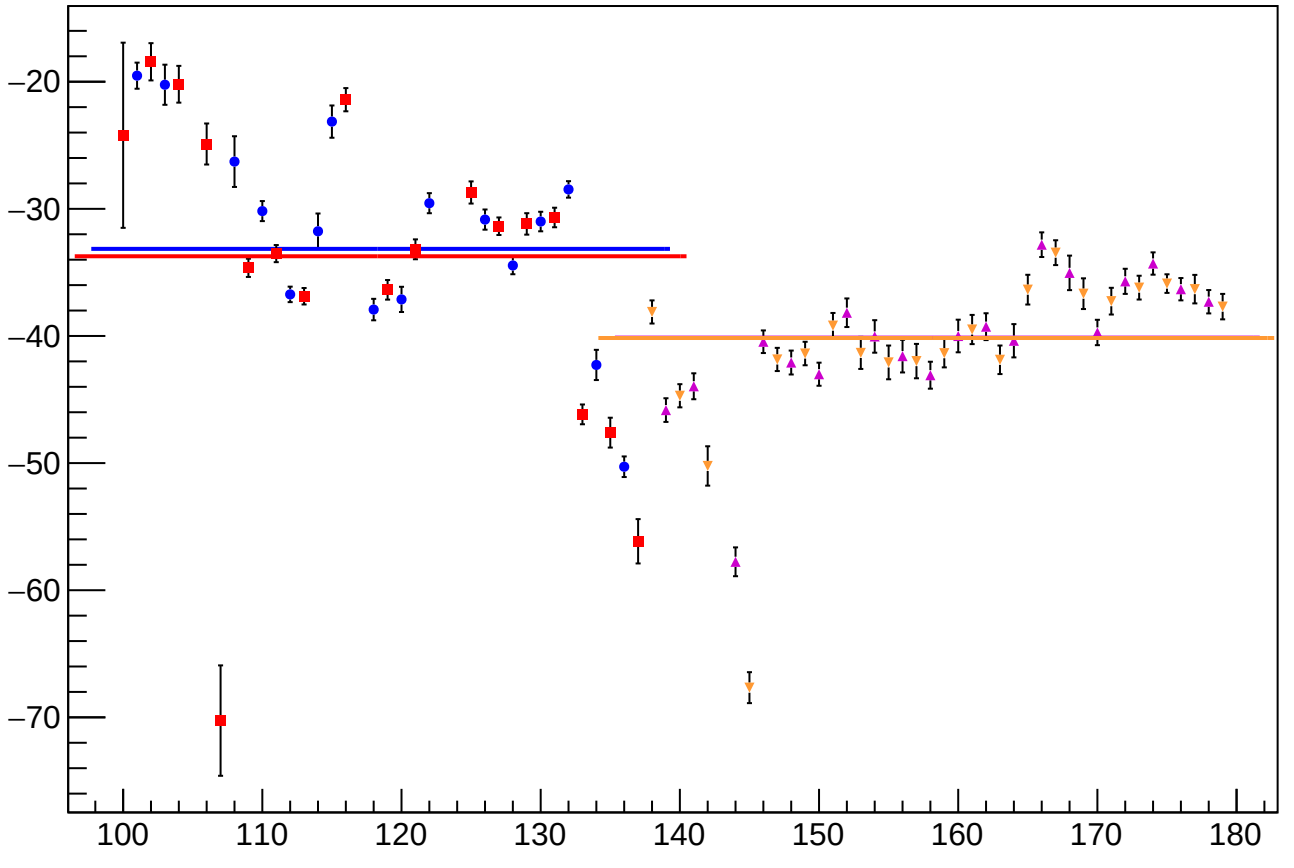
Left: 0.002+/-0.002 χ^2/NDF: 42.7/40

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:53.7/35

Out: 0.003+/-0.002 χ^2/NDF:168.8/38

All: 0.005+/-0.002 χ^2/NDF: 224.5/74



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.160+/-0.228 χ^2/NDF:741.0/20

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -40.128+/-0.230 χ^2/NDF:484.3/19

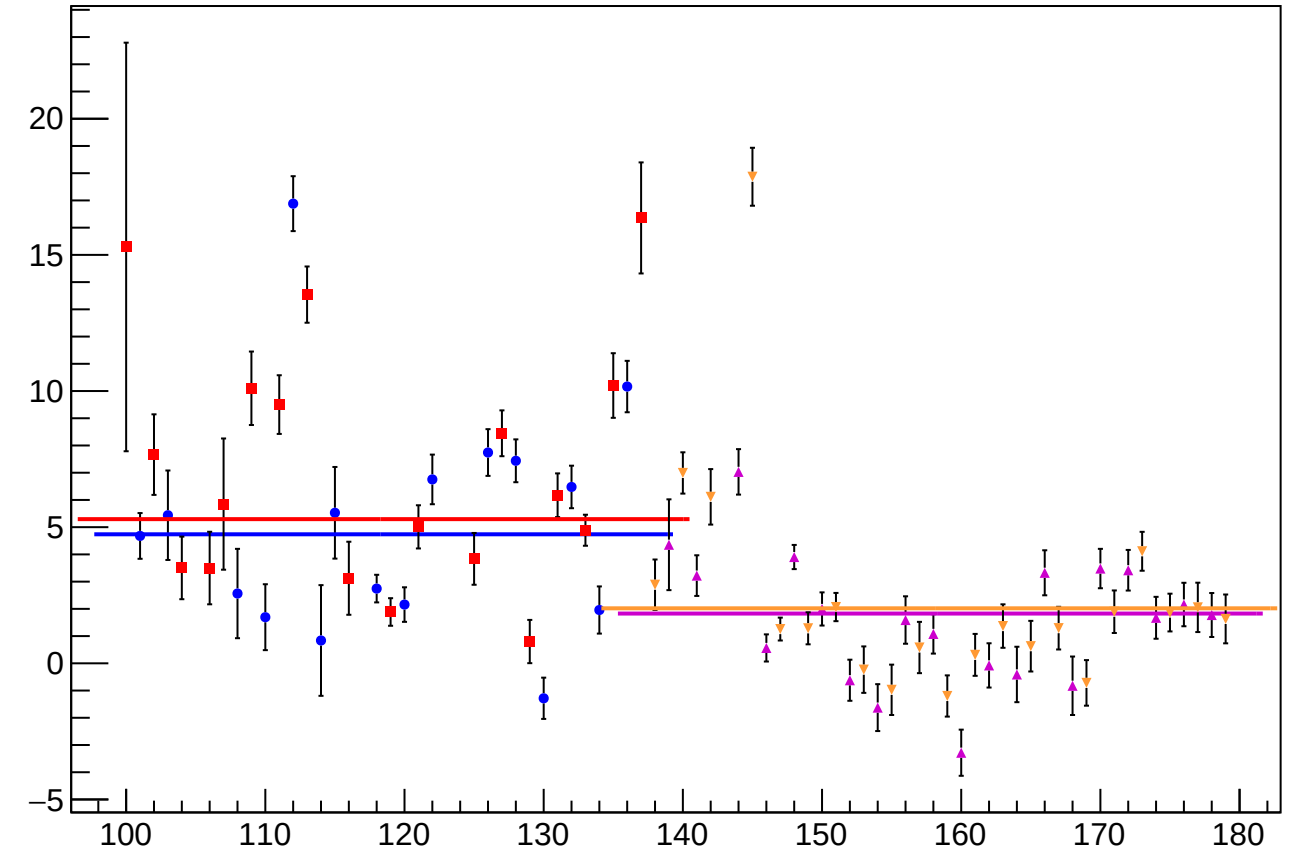
Left: -40.144+/-0.162 χ^2/NDF: 1225.2/40

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.450+/-0.158 χ^2/NDF:1983.3/35

Out: -36.748+/-0.157 χ^2/NDF:2309.6/38

All: -36.600+/-0.111 χ^2/NDF: 4294.7/74



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.020+/-0.162 χ^2/NDF:352.9/20

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.828+/-0.166 χ^2/NDF:166.8/19

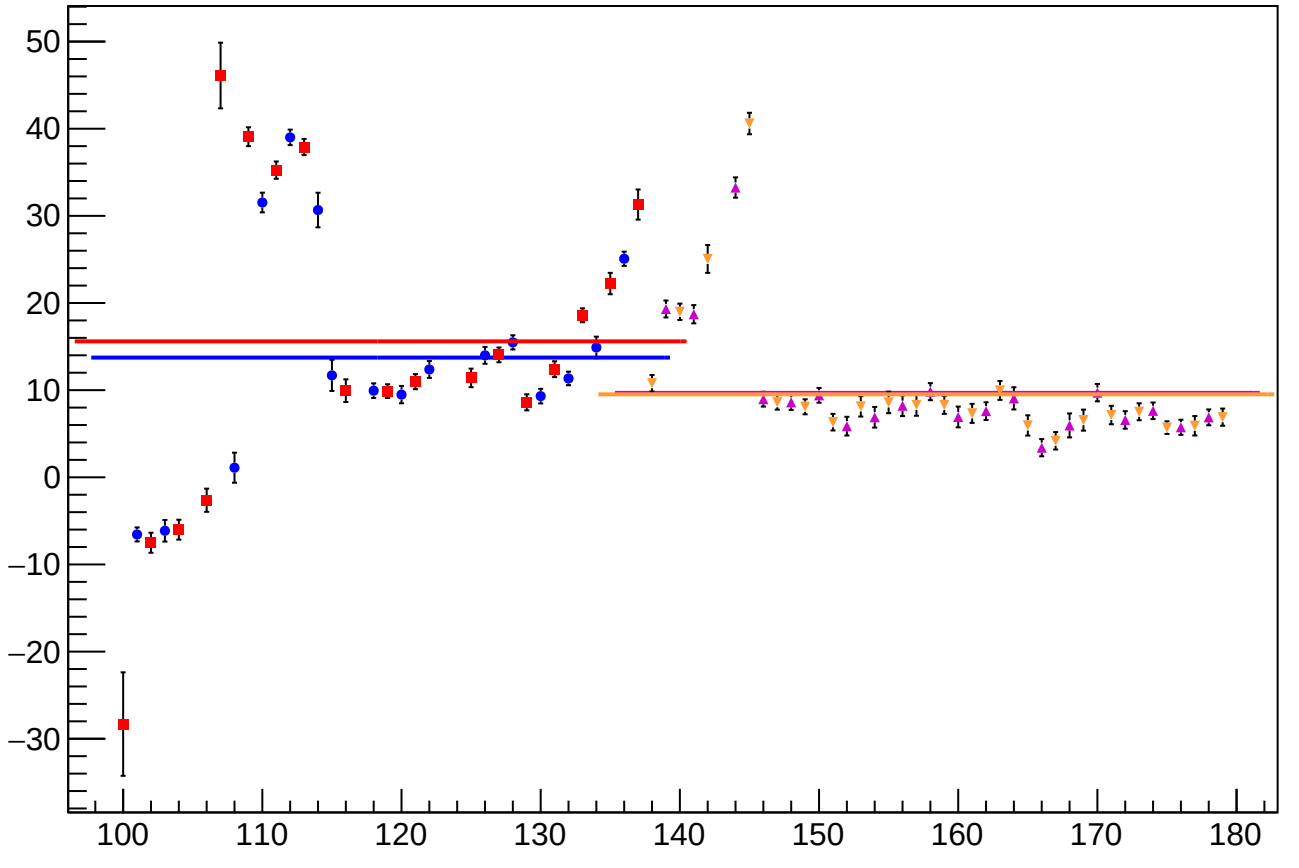
Left: 1.926+/-0.116 χ^2/NDF: 520.3/40

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.886+/-0.132 χ^2/NDF:608.6/35

Out: 3.150+/-0.131 χ^2/NDF:738.7/38

All: 3.019+/-0.093 χ^2/NDF: 1349.3/74



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.522+/-0.224 χ^2/NDF:956.2/20

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 9.690+/-0.226 χ^2/NDF:704.4/19

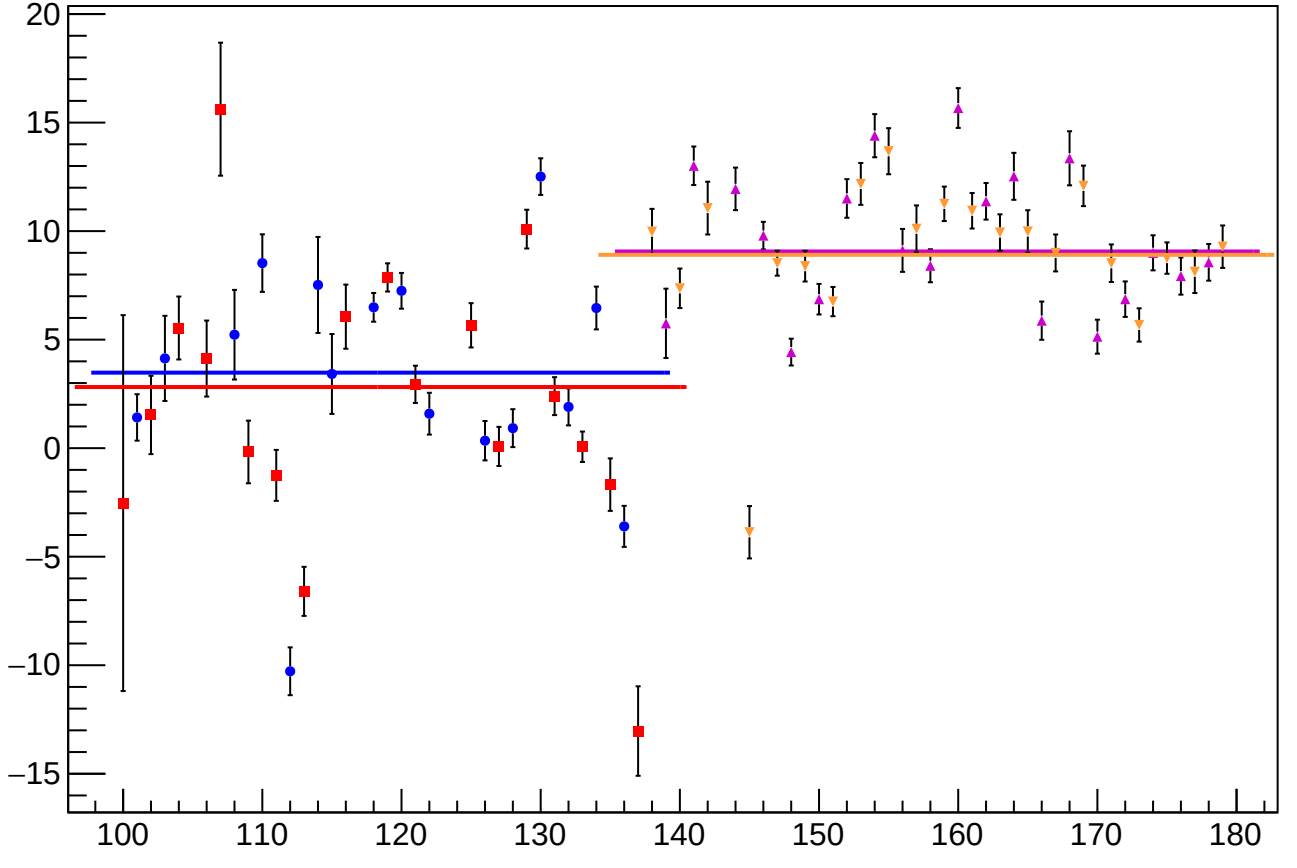
Left: 9.606+/-0.159 χ^2/NDF: 1660.9/40

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.537+/-0.167 χ^2/NDF:3200.6/35

Out: 12.230+/-0.167 χ^2/NDF:4109.9/38

All: 11.883+/-0.118 χ^2/NDF: 7319.1/74



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.908+/-0.187 χ^2/NDF:211.4/20

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.063+/-0.190 χ^2/NDF:266.4/19

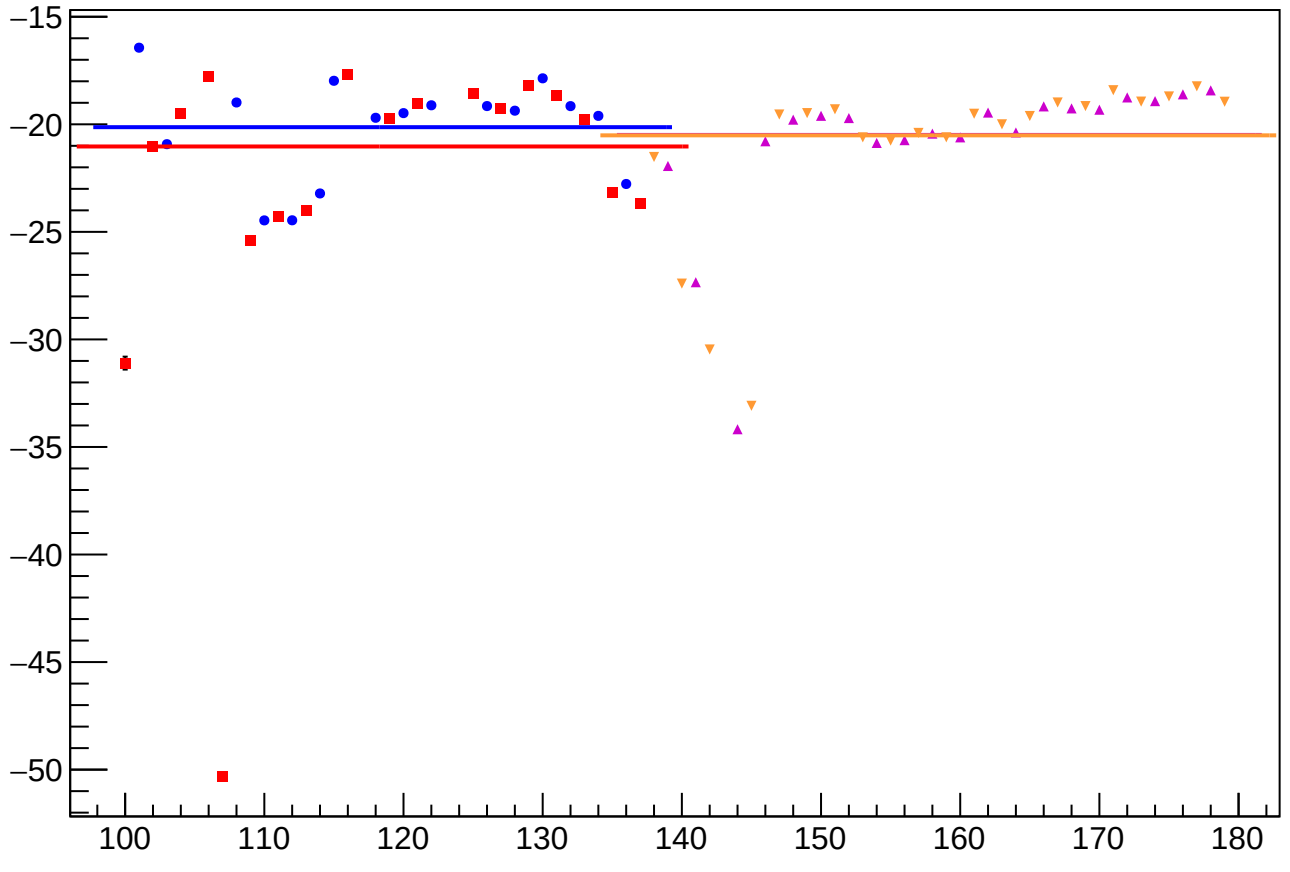
Left: 8.984+/-0.133 χ^2/NDF: 478.1/40

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 7.053+/-0.152 χ^2/NDF:1004.1/35

Out: 6.803+/-0.151 χ^2/NDF:923.6/38

All: 6.928+/-0.107 χ^2/NDF: 1929.1/74



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.513+/-0.009 χ^2/NDF:137410.2/20

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.494+/-0.009 χ^2/NDF:110841.1/19

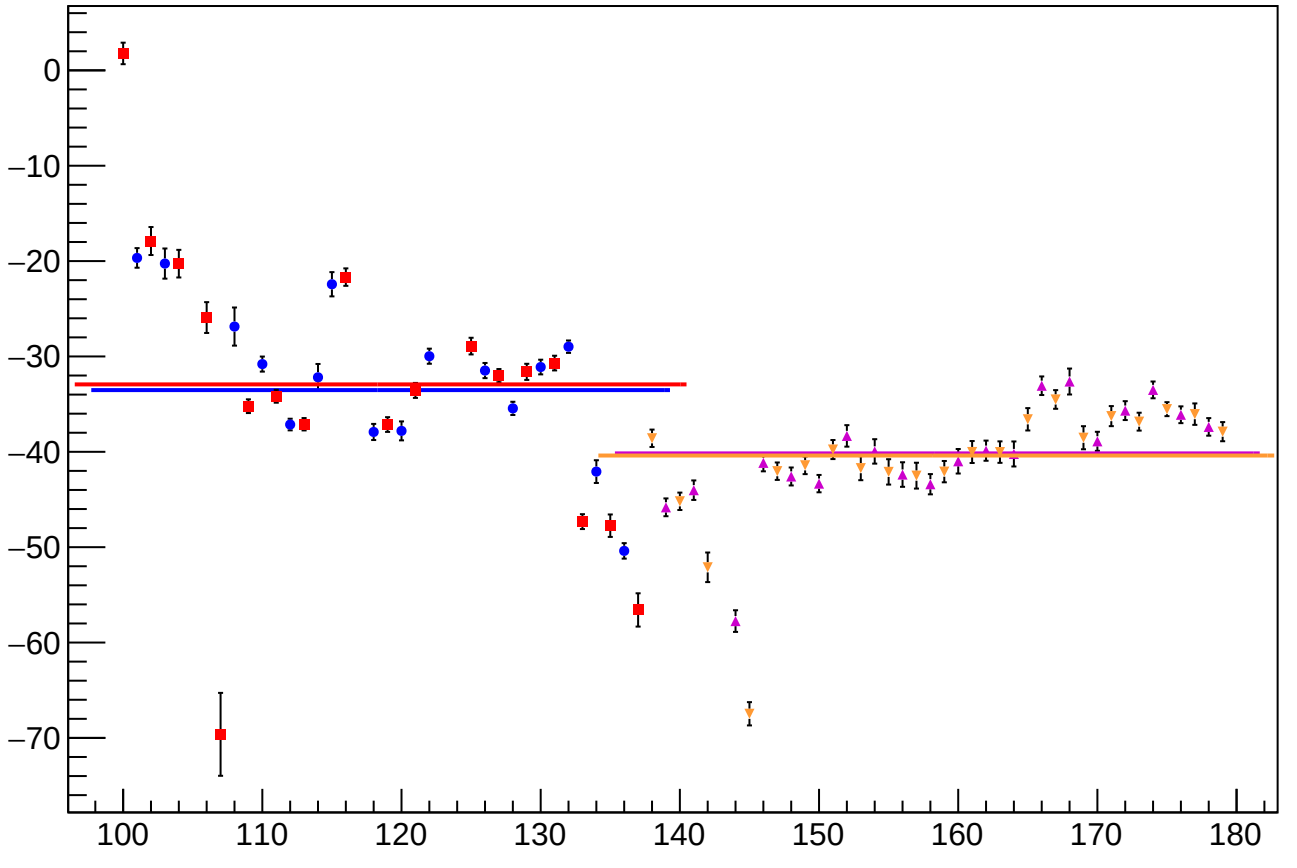
Left: -20.503+/-0.006 χ^2/NDF: 248253.8/40

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.414+/-0.008 χ^2/NDF:131067.2/35

Out: -20.624+/-0.008 χ^2/NDF:195710.9/38

All: -20.518+/-0.005 χ^2/NDF: 327162.8/74



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.389+/-0.229 χ^2/NDF:737.8/20

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -40.166+/-0.230 χ^2/NDF:519.7/19

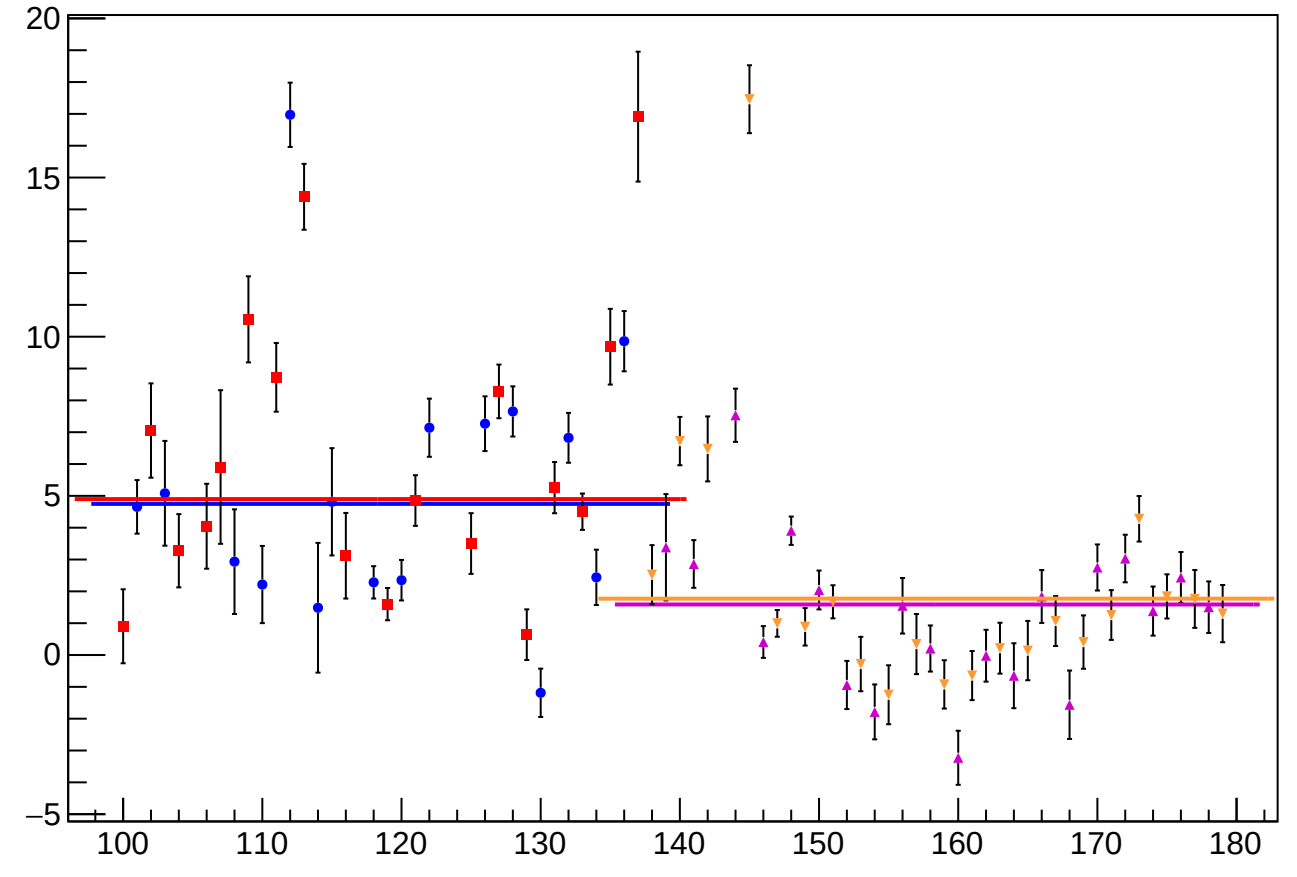
Left: -40.278+/-0.162 χ^2/NDF: 1257.9/40

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.669+/-0.159 χ^2/NDF:1965.2/35

Out: -36.367+/-0.155 χ^2/NDF:3480.3/38

All: -36.515+/-0.111 χ^2/NDF: 5447.3/74



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.771+/-0.162 χ^2/NDF:350.9/20

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.588+/-0.166 χ^2/NDF:175.1/19

Left: 1.681+/-0.116 χ^2/NDF: 526.6/40

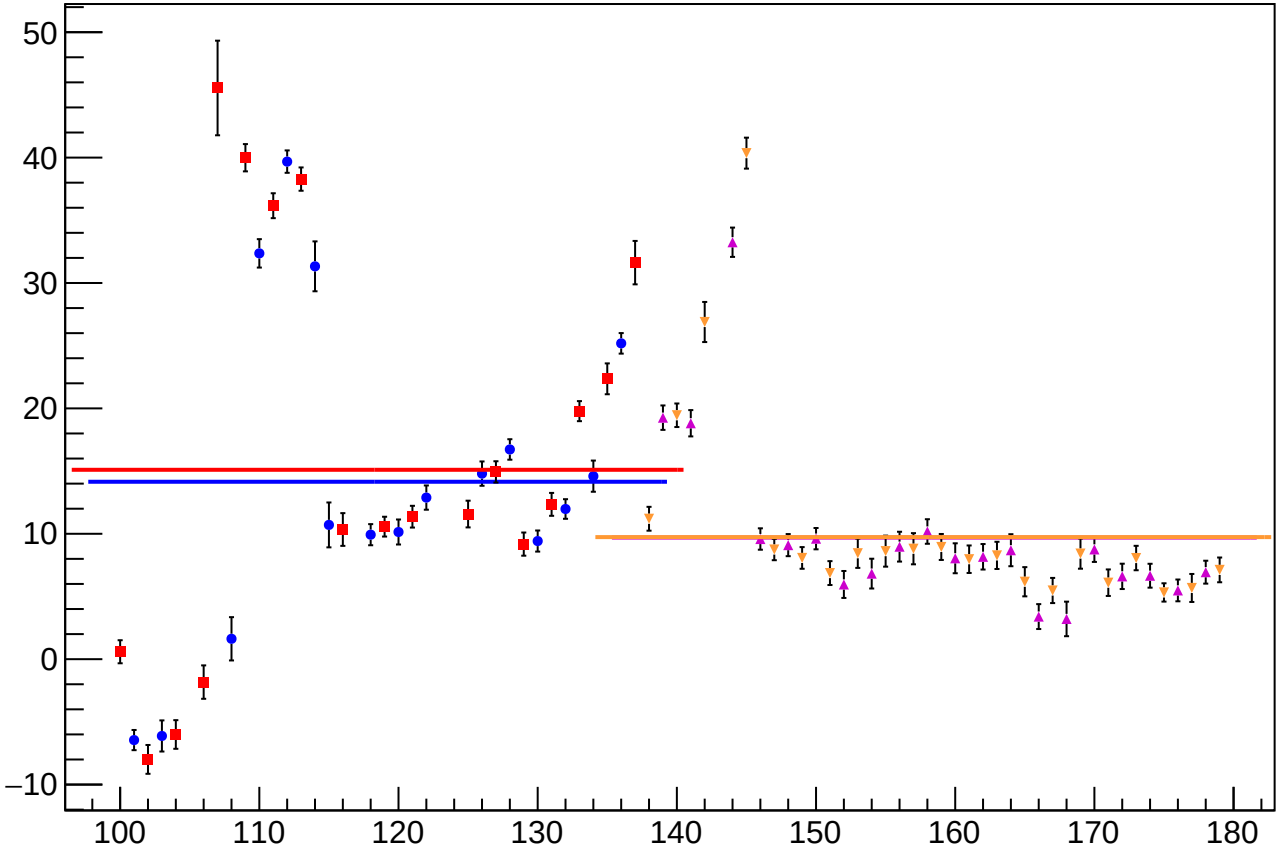
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.737+/-0.132 χ^2/NDF:632.6/35

Out: 2.875+/-0.131 χ^2/NDF:754.8/38

All: 2.807+/-0.093 χ^2/NDF: 1387.9/74

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.735+/-0.225 χ^2/NDF:961.0/20

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 9.697+/-0.226 χ^2/NDF:717.5/19

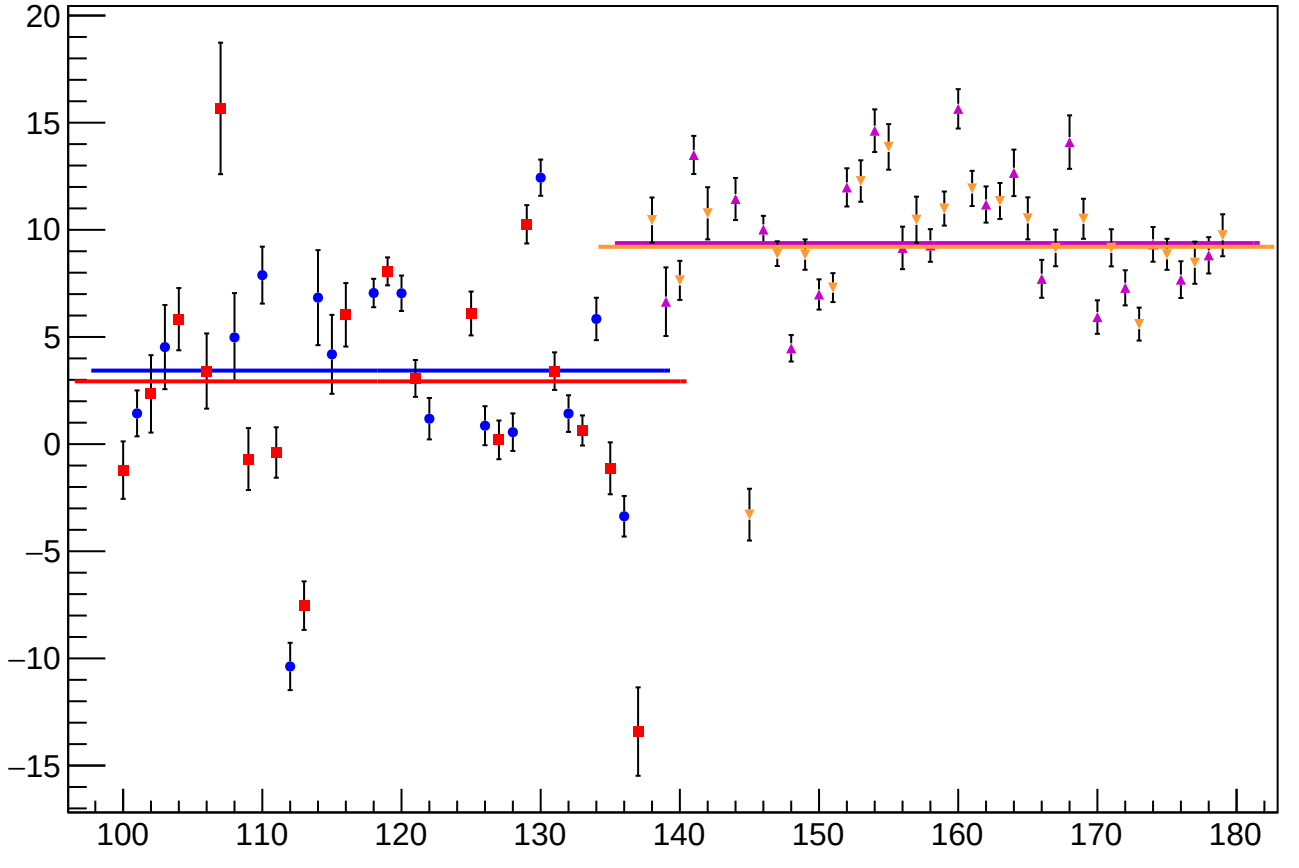
Left: 9.716+/-0.159 χ^2/NDF: 1678.5/40

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.728+/-0.167 χ^2/NDF:3296.2/35

Out: 12.219+/-0.165 χ^2/NDF:4327.7/38

All: 11.977+/-0.117 χ^2/NDF: 7628.2/74



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.209+/-0.187 χ^2/NDF:201.5/20

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.381+/-0.191 χ^2/NDF:248.9/19

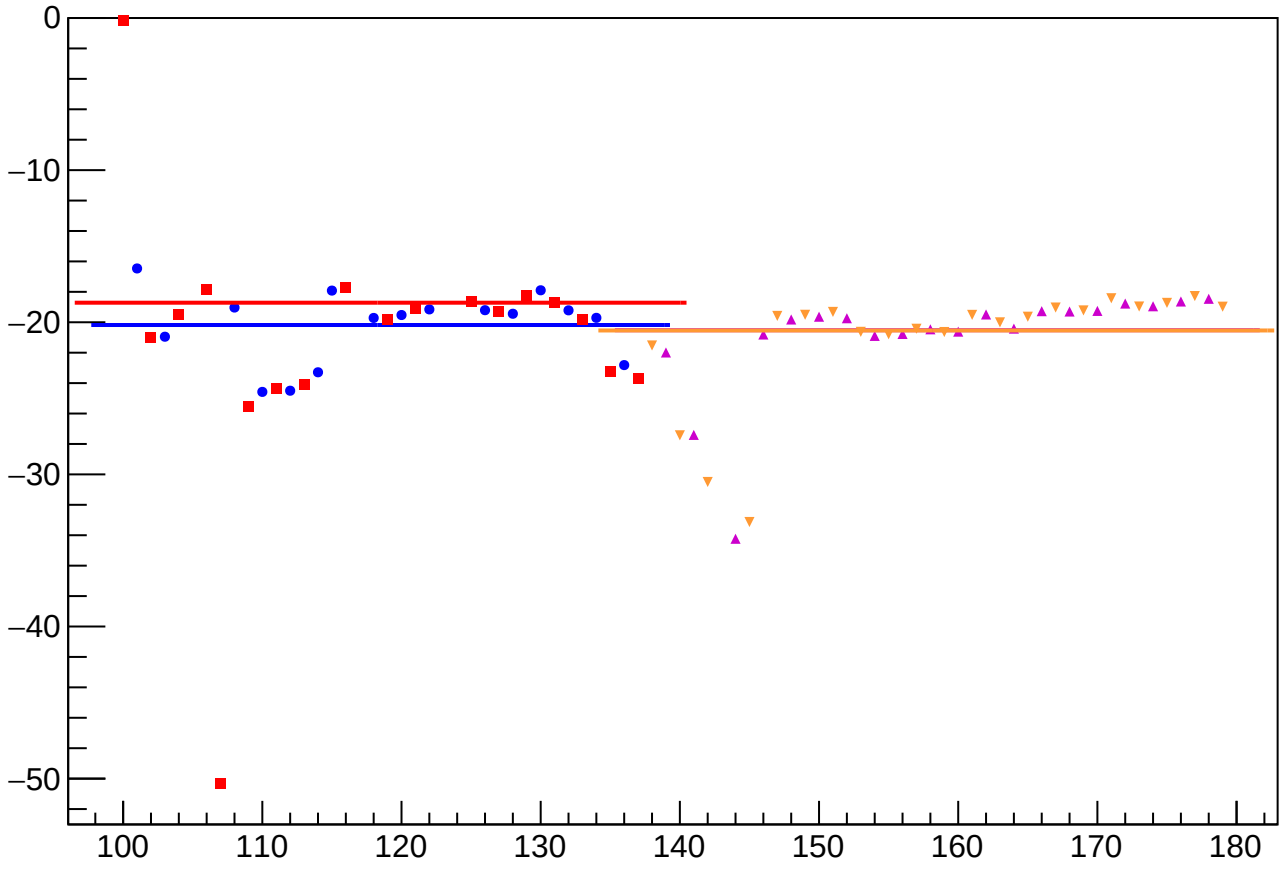
Left: 9.294+/-0.134 χ^2/NDF: 450.8/40

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.241+/-0.152 χ^2/NDF:1023.6/35

Out: 6.989+/-0.151 χ^2/NDF:966.6/38

All: 7.114+/-0.107 χ^2/NDF: 1991.6/74



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.540+/-0.009 χ^2/NDF:137053.9/20

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.523+/-0.009 χ^2/NDF:111094.9/19

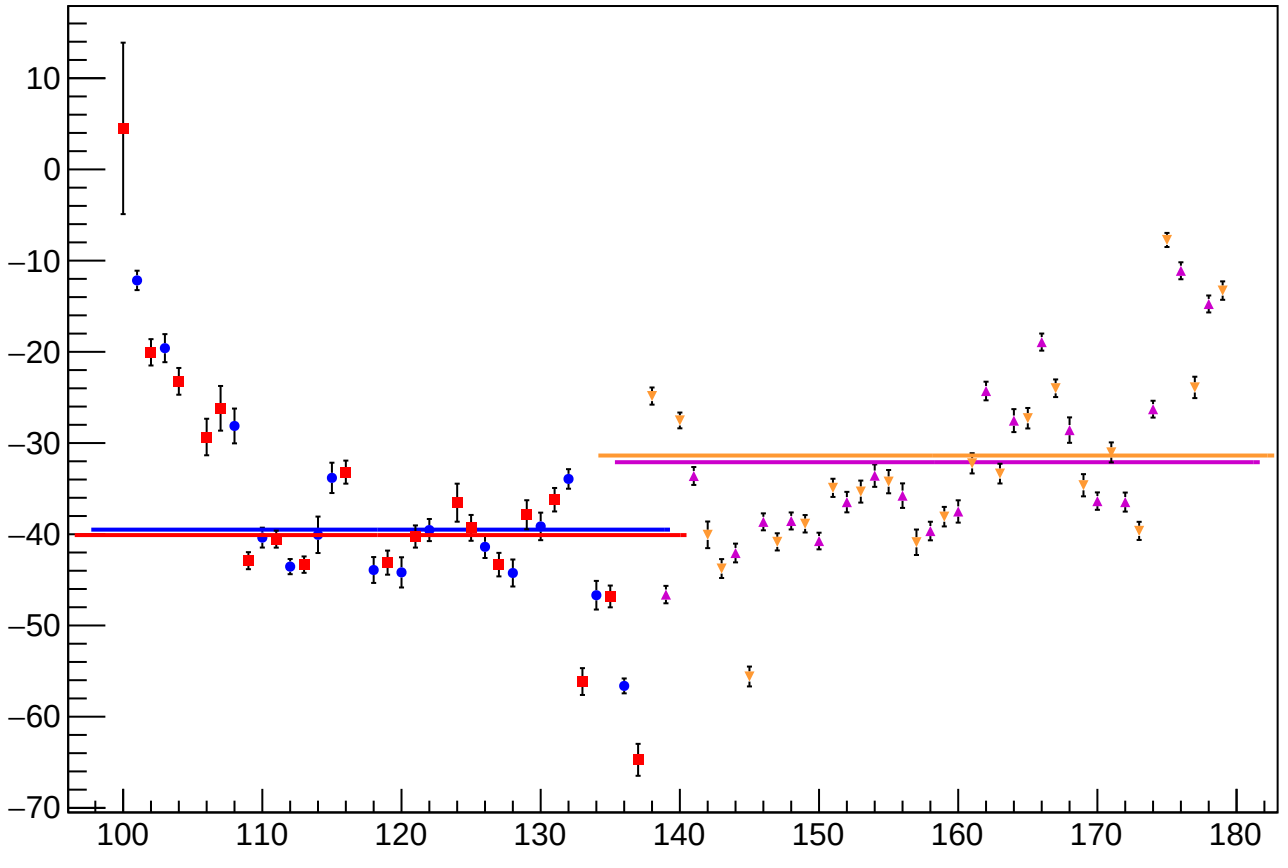
Left: -20.531+/-0.006 χ^2/NDF: 248150.8/40

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.447+/-0.008 χ^2/NDF:131305.4/35

Out: -20.112+/-0.008 χ^2/NDF:382250.9/38

All: -20.279+/-0.005 χ^2/NDF: 514541.9/74



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -31.367+/-0.223 χ^2/NDF:2466.4/21

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -32.100+/-0.230 χ^2/NDF:1822.1/19

Left: -31.724+/-0.160 χ^2/NDF: 4293.7/41

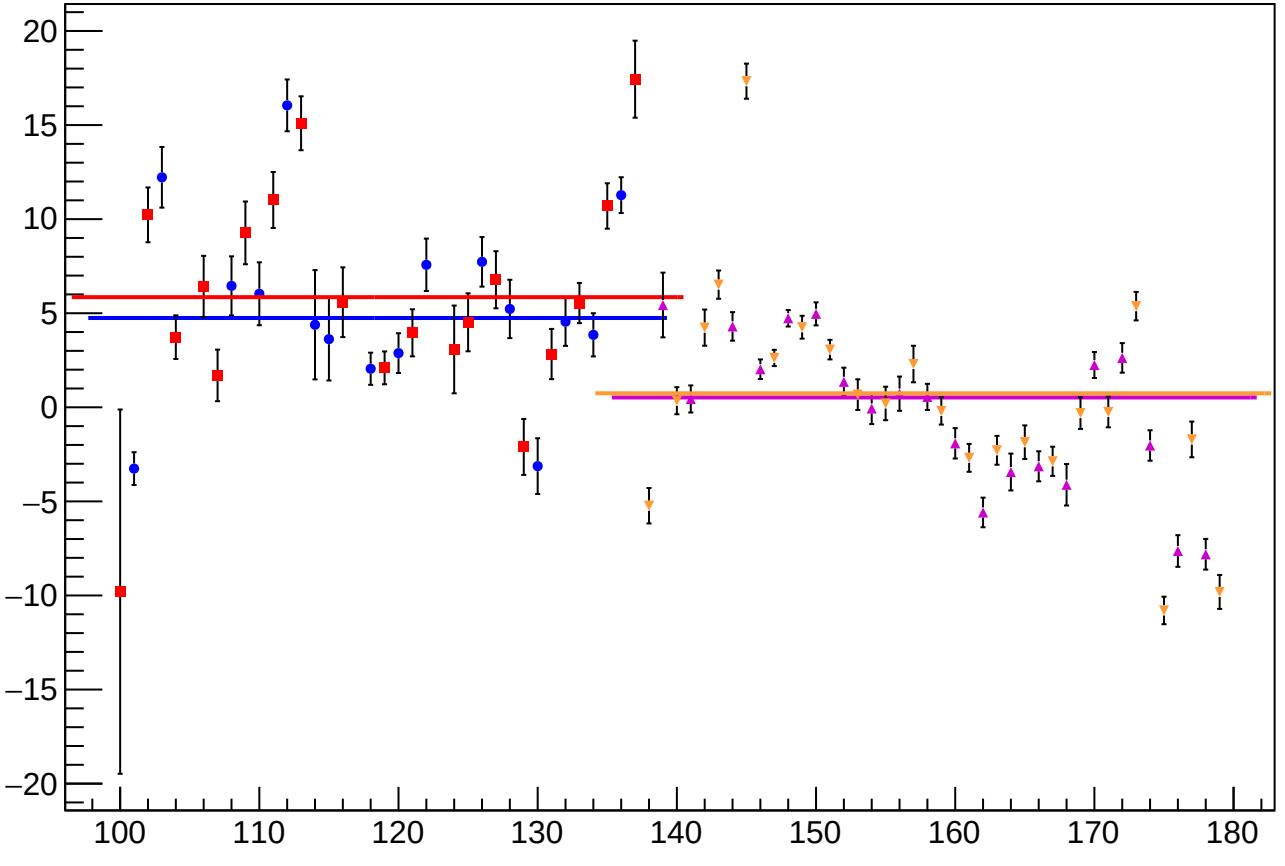
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -34.711+/-0.185 χ^2/NDF:3605.4/35

Out: -34.383+/-0.181 χ^2/NDF:3829.1/40

All: -34.544+/-0.129 χ^2/NDF: 7436.1/76

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 0.745+/-0.158 χ^2/NDF:1006.1/21

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 0.522+/-0.165 χ^2/NDF:533.8/19

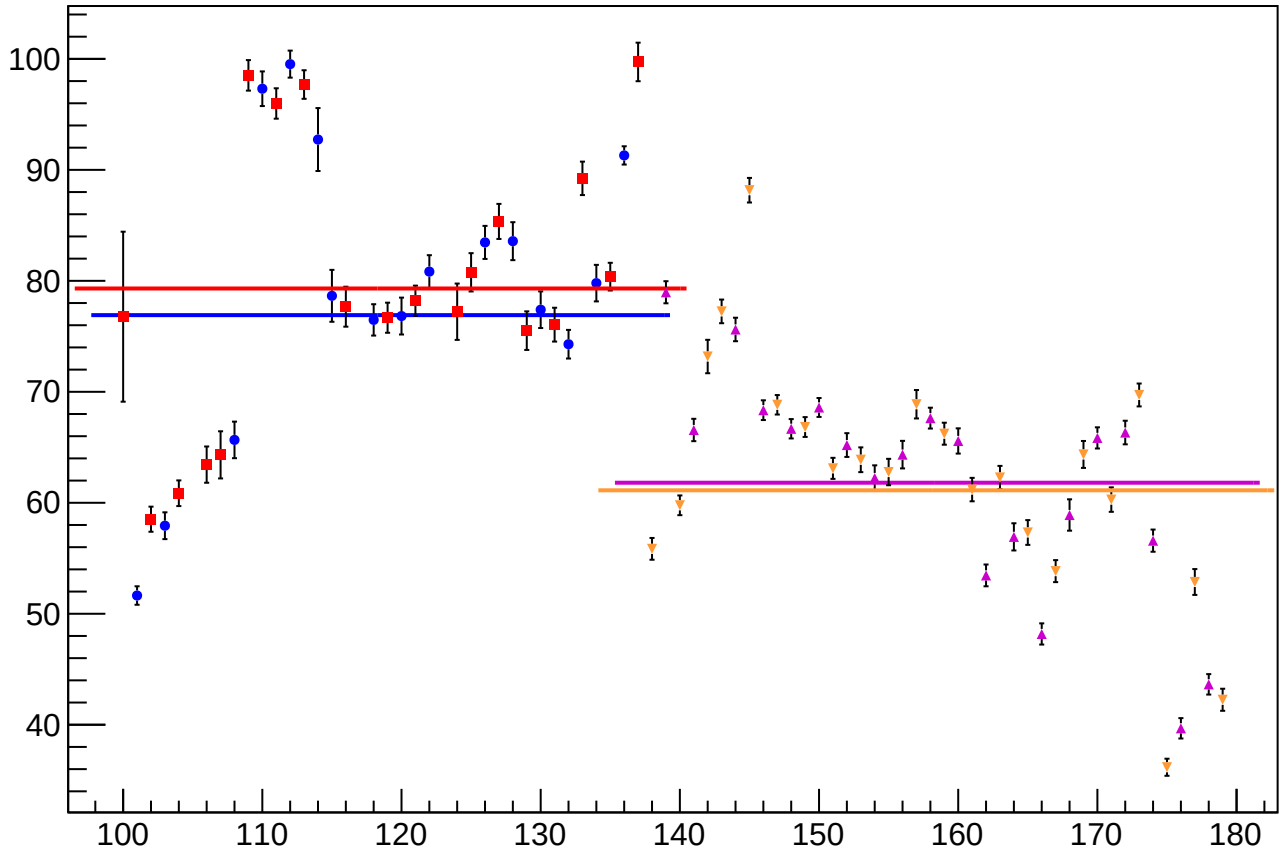
Left: 0.638+/-0.114 χ^2/NDF: 1540.9/41

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 1.426+/-0.146 χ^2/NDF:948.2/35

Out: 1.731+/-0.142 χ^2/NDF:1394.6/40

All: 1.583+/-0.102 χ^2/NDF: 2345.0/76



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 61.124+/-0.219 χ^2/NDF:2717.6/21

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 61.809+/-0.225 χ^2/NDF:2030.2/19

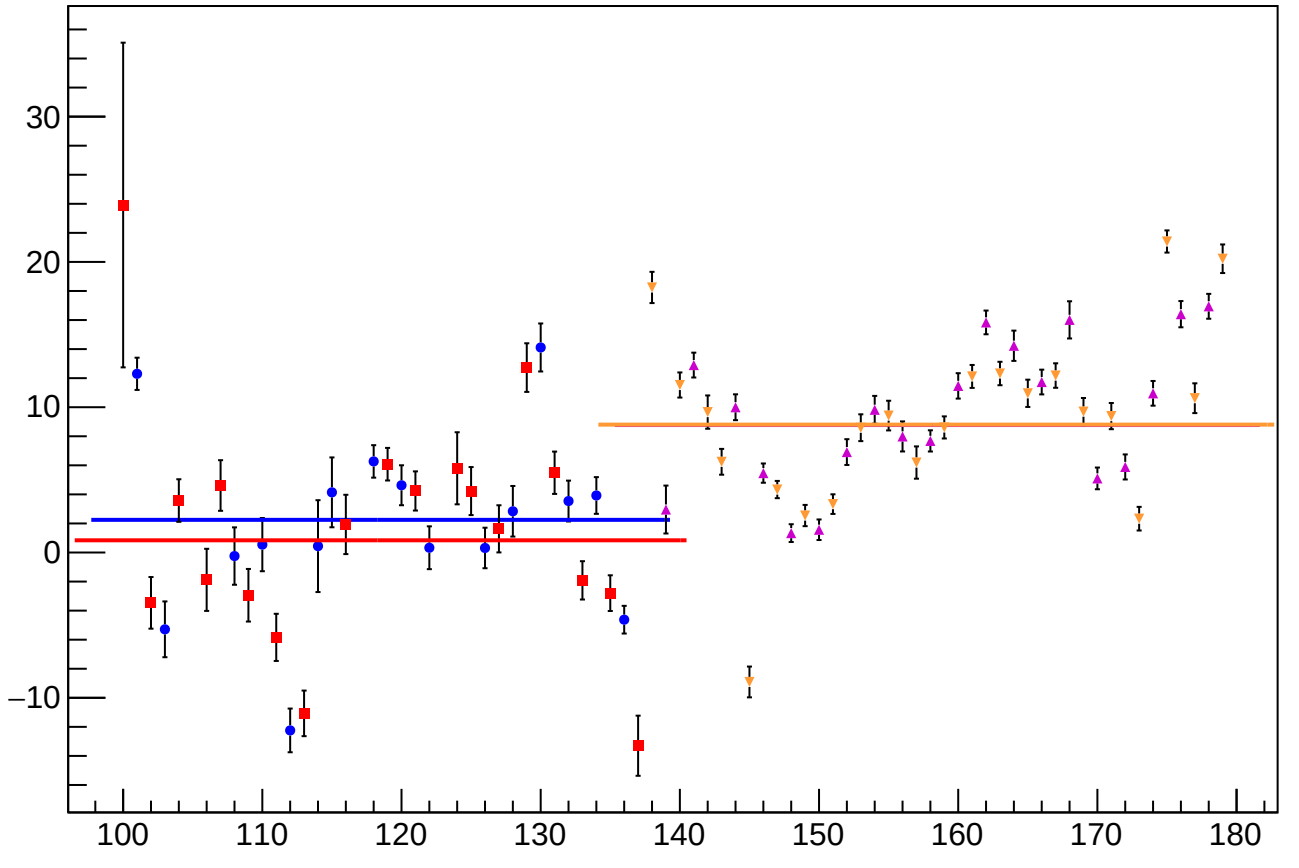
Left: 61.458+/-0.157 χ^2/NDF: 4752.5/41

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 66.479+/-0.187 χ^2/NDF:5534.1/35

Out: 66.303+/-0.186 χ^2/NDF:6169.0/40

All: 66.390+/-0.132 χ^2/NDF: 11703.6/76



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.801+/-0.183 χ^2/NDF:1109.8/21

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 8.773+/-0.189 χ^2/NDF:683.0/19

Left: 8.788+/-0.131 χ^2/NDF: 1792.8/41

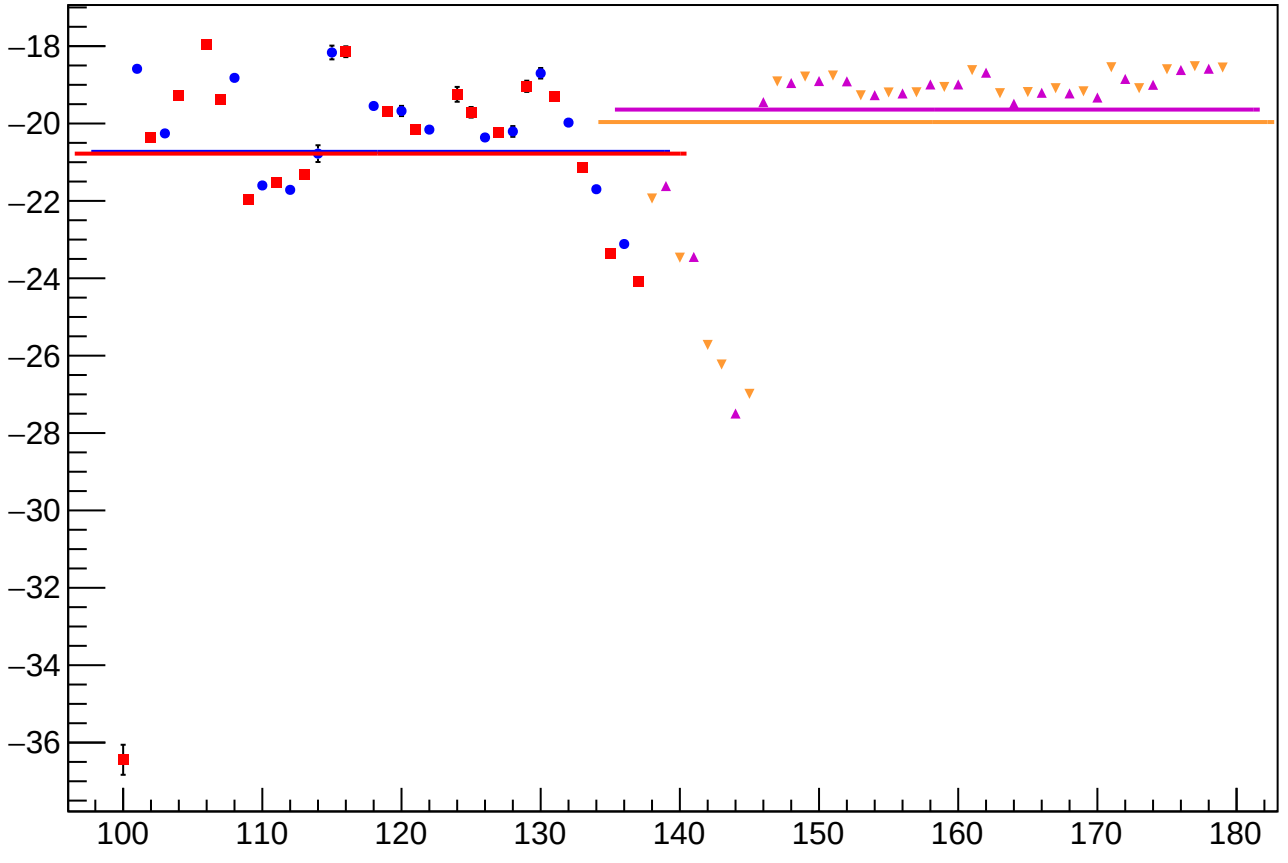
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 7.381+/-0.168 χ^2/NDF:1256.7/35

Out: 7.255+/-0.164 χ^2/NDF:1734.9/40

All: 7.316+/-0.117 χ^2/NDF: 2991.9/76

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -19.962+/-0.008 χ^2/NDF:77853.8/21

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.640+/-0.009 χ^2/NDF:44281.9/19

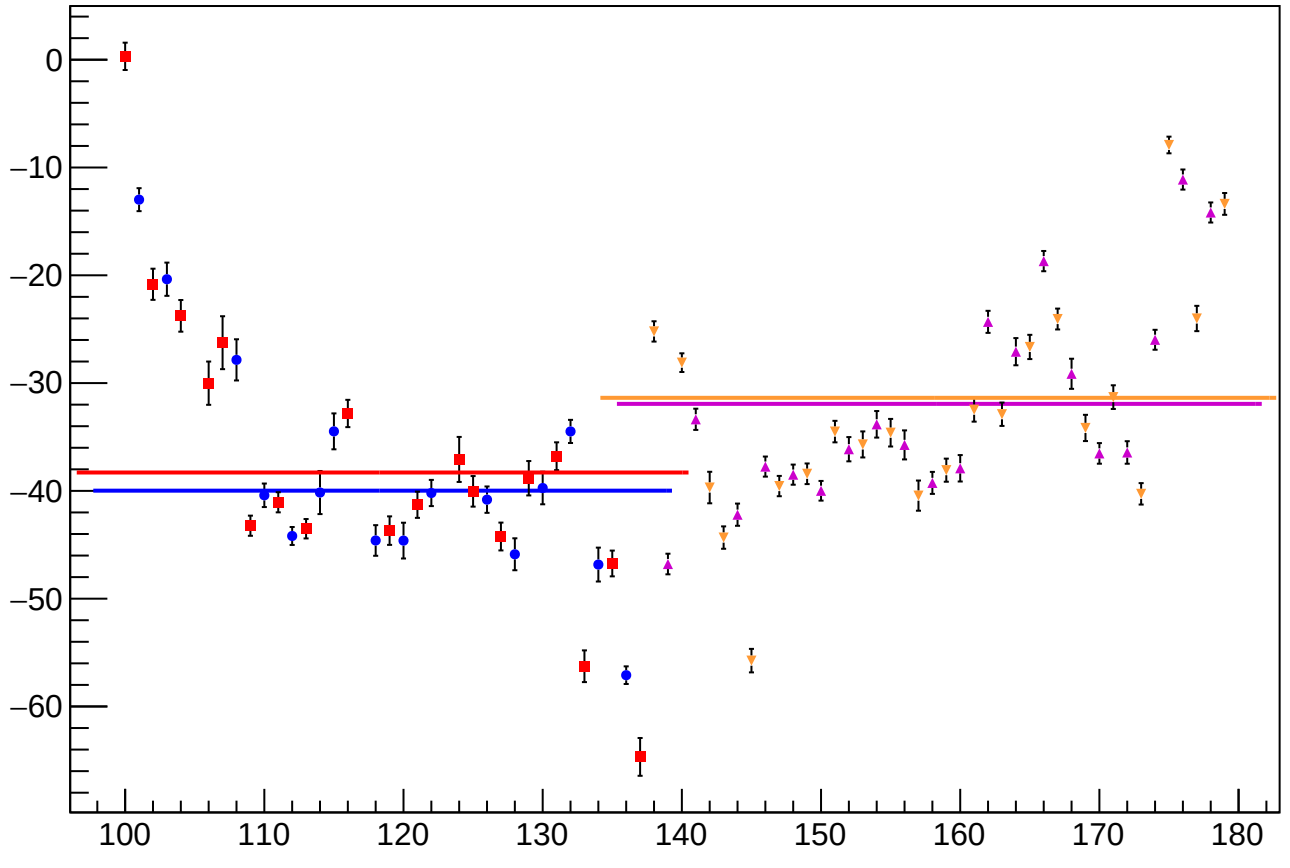
Left: -19.803+/-0.006 χ^2/NDF: 122855.4/41

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.817+/-0.008 χ^2/NDF:54567.8/35

Out: -20.083+/-0.008 χ^2/NDF:88672.3/40

All: -19.951+/-0.006 χ^2/NDF: 143824.3/76



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -31.366+/-0.224 χ^2/NDF:2424.0/21

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -31.928+/-0.230 χ^2/NDF:1826.5/19

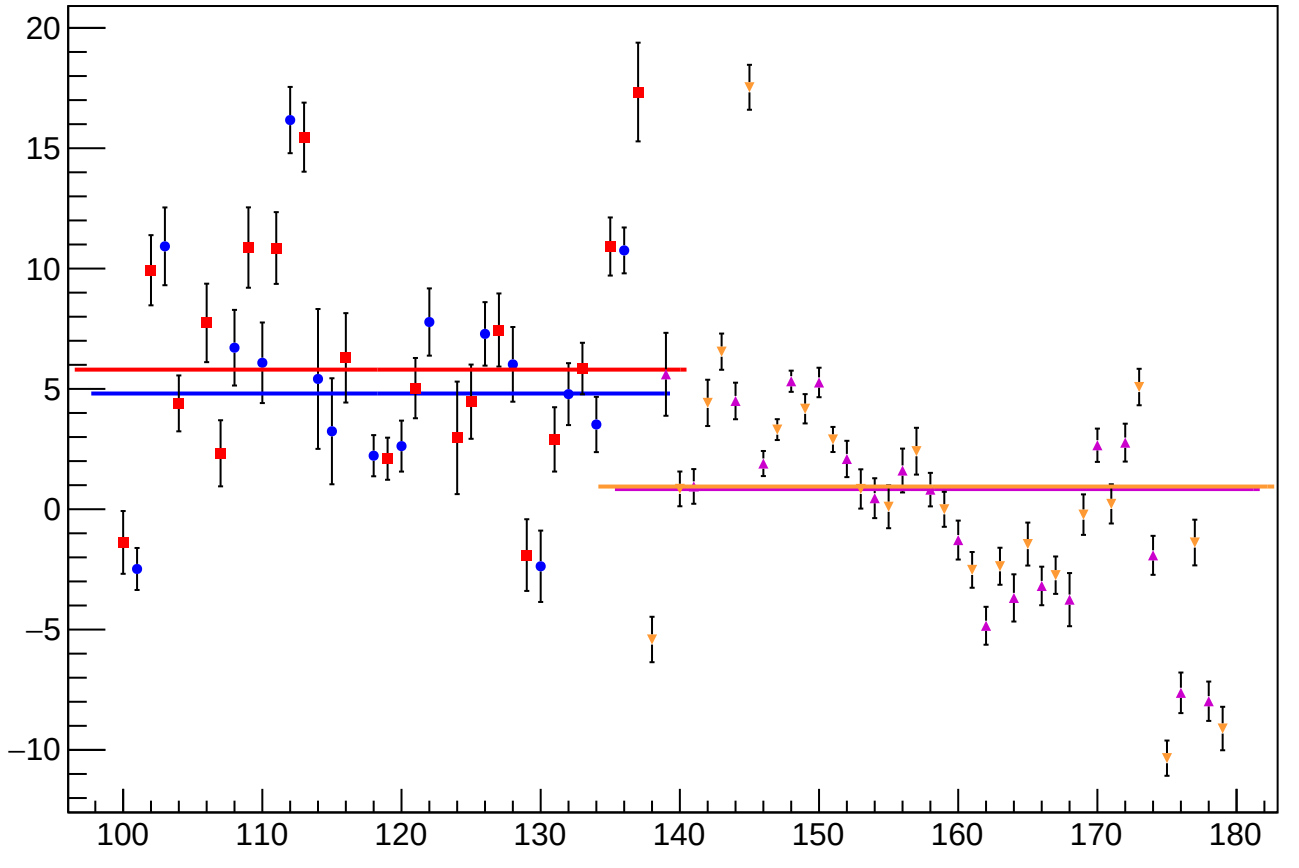
Left: -31.639+/-0.160 χ^2/NDF: 4253.5/41

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -34.773+/-0.185 χ^2/NDF:3657.9/35

Out: -33.850+/-0.179 χ^2/NDF:4542.1/40

All: -34.297+/-0.129 χ^2/NDF: 8212.9/76



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 0.943+/-0.159 χ^2/NDF:976.4/21

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 0.838+/-0.165 χ^2/NDF:558.9/19

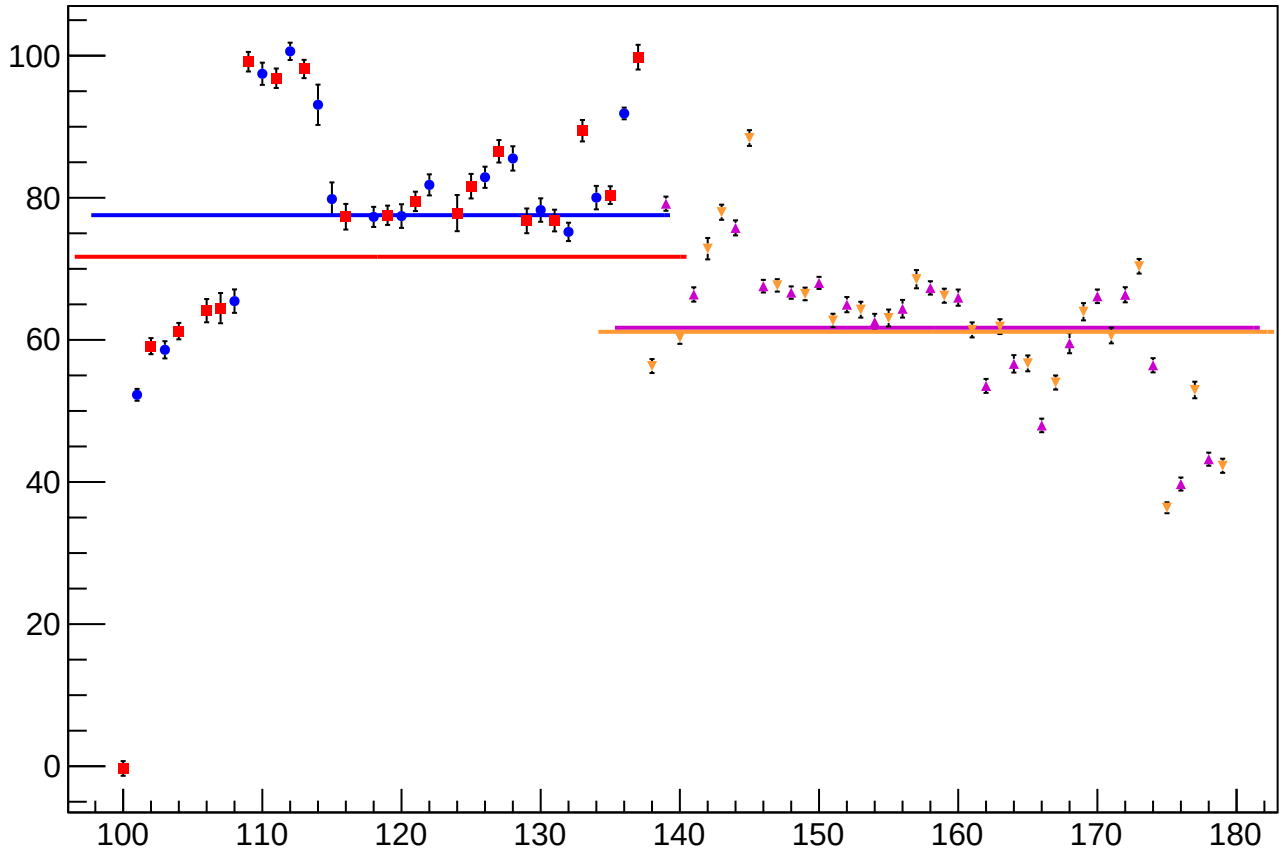
Left: 0.892+/-0.114 χ^2/NDF: 1535.5/41

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 1.688+/-0.146 χ^2/NDF:923.2/35

Out: 1.926+/-0.142 χ^2/NDF:1382.6/40

All: 1.811+/-0.102 χ^2/NDF: 2307.1/76



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 61.138+/-0.220 χ^2/NDF:2694.5/21

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 61.710+/-0.226 χ^2/NDF:2032.9/19

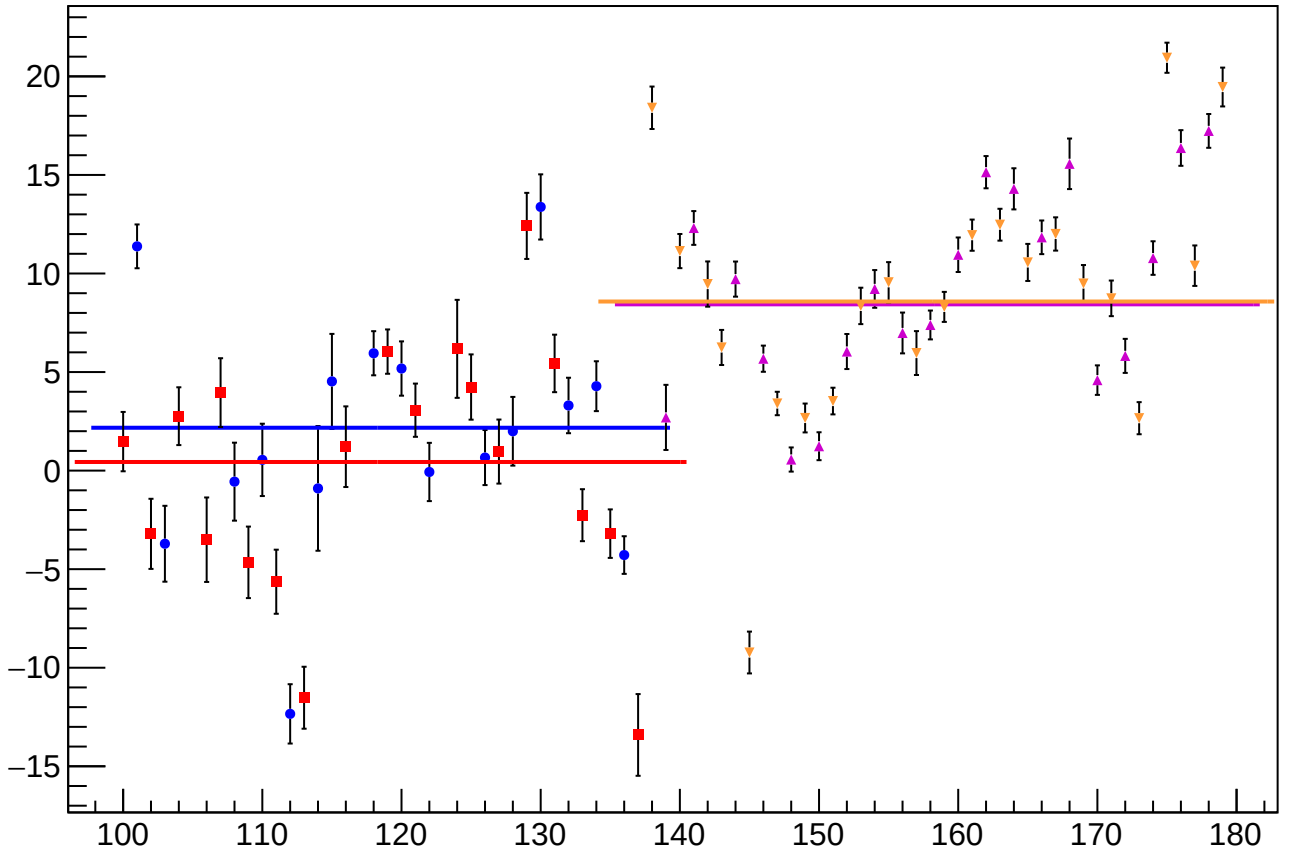
Left: 61.416+/-0.158 χ^2/NDF: 4730.6/41

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 66.611+/-0.188 χ^2/NDF:5674.2/35

Out: 64.378+/-0.183 χ^2/NDF:10306.1/40

All: 65.467+/-0.131 χ^2/NDF: 16052.9/76



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.578+/-0.183 χ^2/NDF:1087.4/21

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 8.435+/-0.189 χ^2/NDF:711.2/19

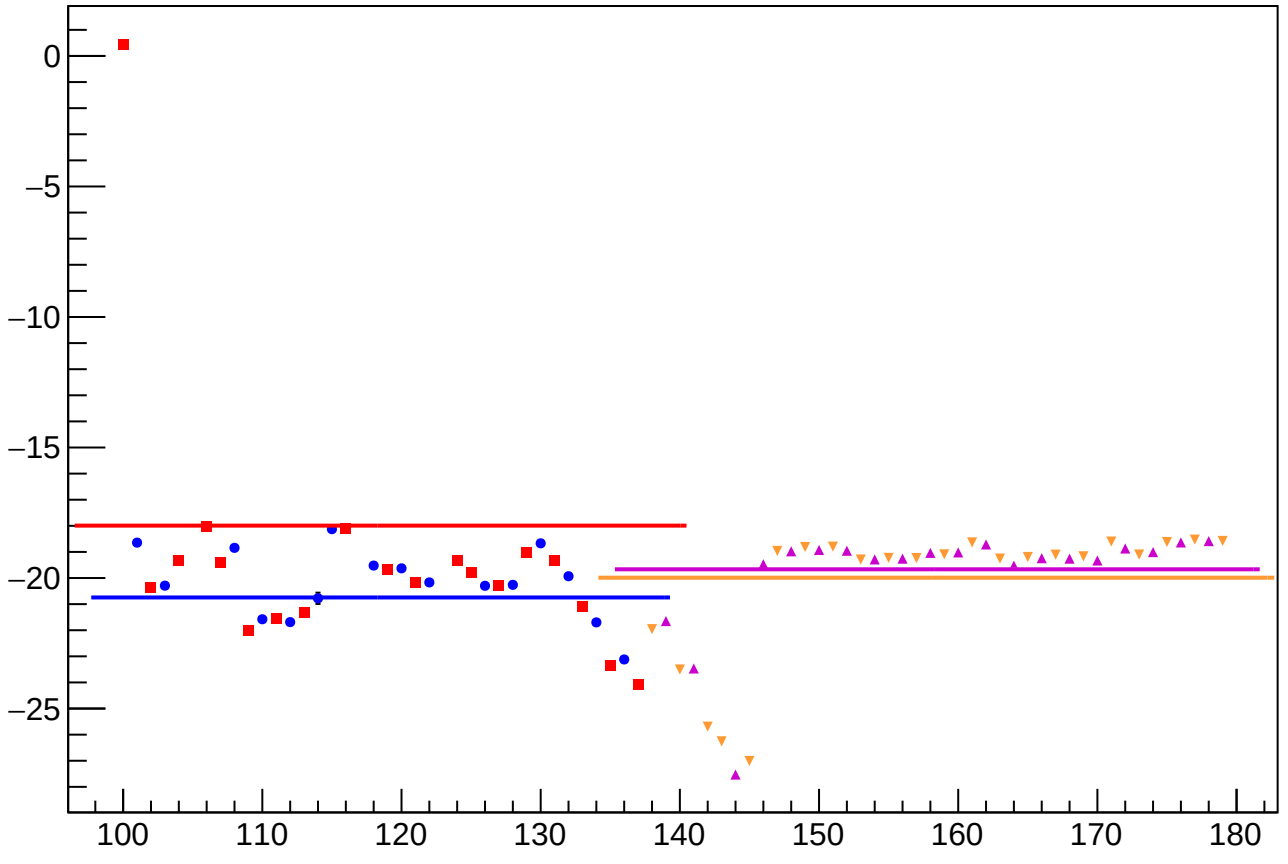
Left: 8.509+/-0.132 χ^2/NDF: 1798.9/41

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 7.098+/-0.168 χ^2/NDF:1234.7/35

Out: 6.921+/-0.163 χ^2/NDF:1744.5/40

All: 7.007+/-0.117 χ^2/NDF: 2979.7/76



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -19.987+/-0.008 χ^2/NDF:77427.4/21

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.665+/-0.009 χ^2/NDF:44190.4/19

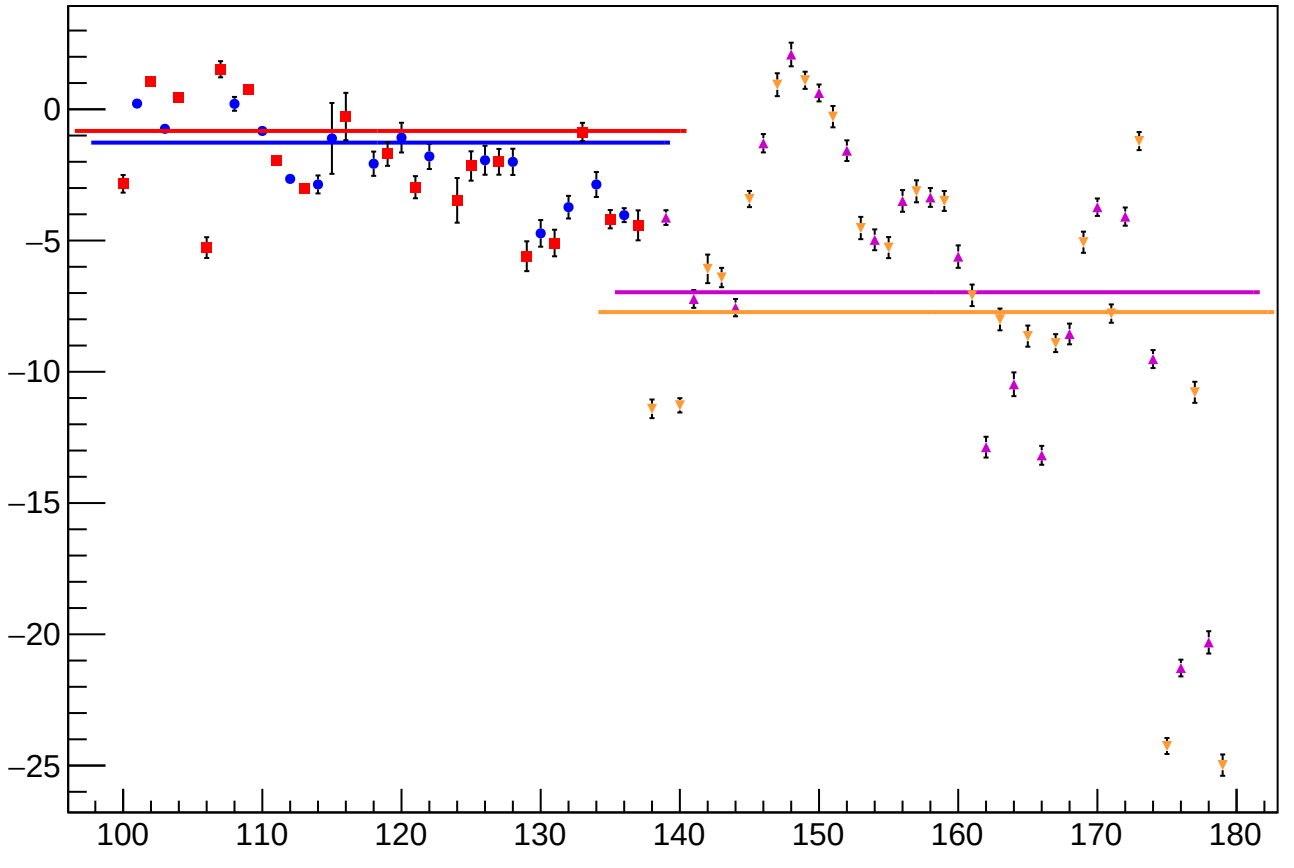
Left: -19.828+/-0.006 χ^2/NDF: 122335.0/41

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -19.840+/-0.008 χ^2/NDF:54283.6/35

Out: -19.654+/-0.008 χ^2/NDF:237304.3/40

All: -19.746+/-0.005 χ^2/NDF: 291873.7/76



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.726+/-0.079 χ^2/NDF:7545.4/21

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -6.969+/-0.081 χ^2/NDF:5541.5/19

Left: -7.358+/-0.057 χ^2/NDF: 13131.5/41

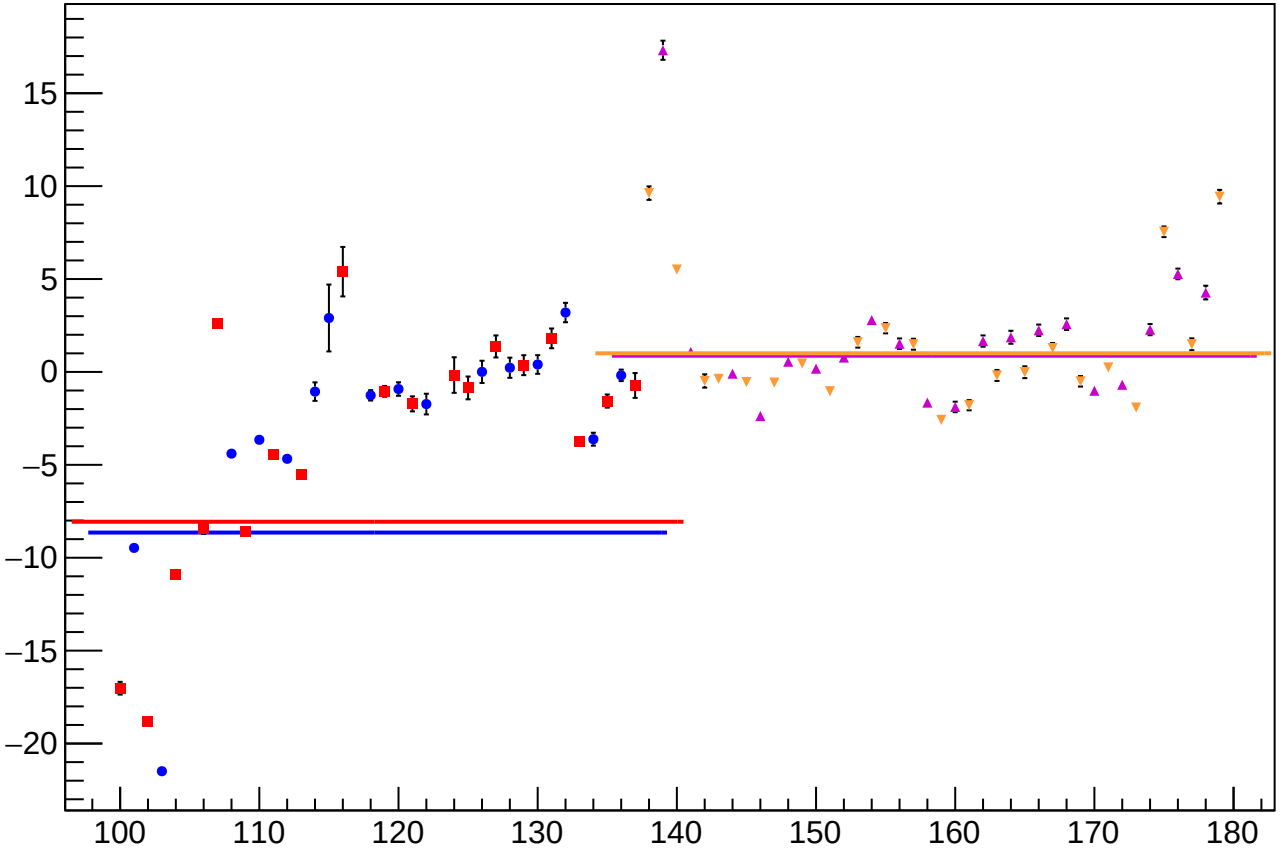
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -3.042+/-0.045 χ^2/NDF:9556.9/35

Out: -2.856+/-0.043 χ^2/NDF:14311.8/40

All: -2.944+/-0.031 χ^2/NDF: 23877.6/76

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.003+/-0.058 χ^2/NDF:2736.9/21

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.873+/-0.061 χ^2/NDF:2040.8/19

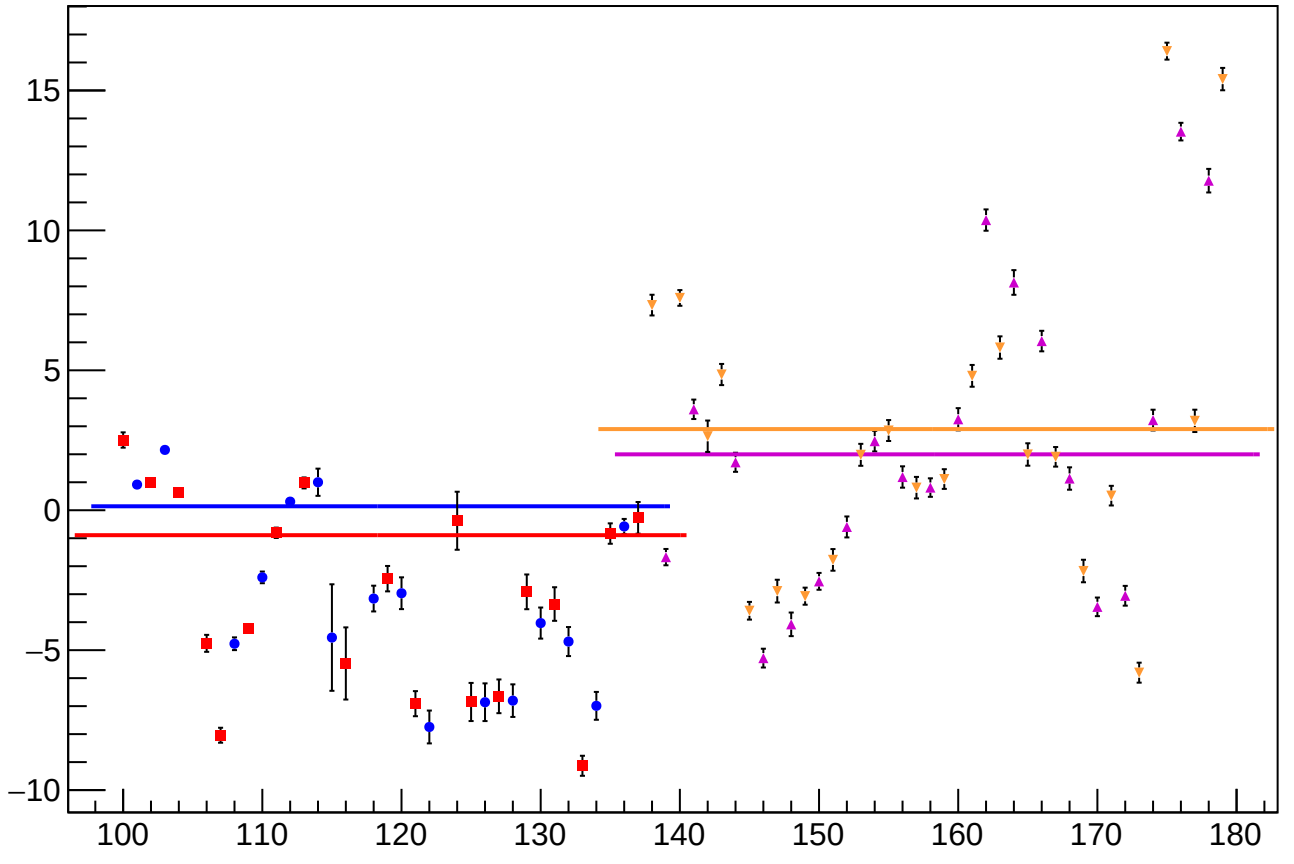
Left: 0.941+/-0.042 χ^2/NDF: 4780.1/41

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.174+/-0.041 χ^2/NDF:28993.6/35

Out: -3.547+/-0.041 χ^2/NDF:29548.1/40

All: -3.855+/-0.029 χ^2/NDF: 58658.4/76



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.900+/-0.078 χ^2/NDF:5519.5/21

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 1.998+/-0.080 χ^2/NDF:4328.9/19

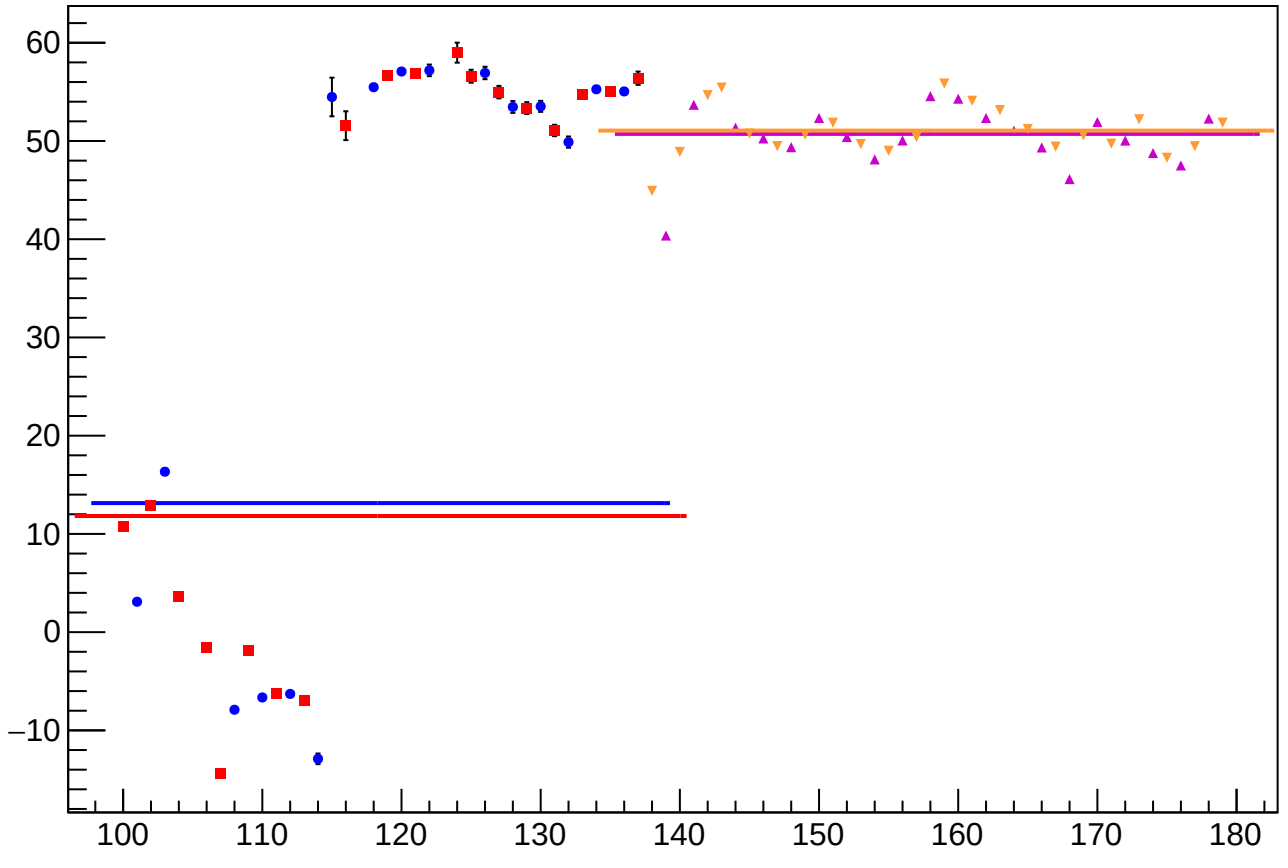
Left: 2.460+/-0.056 χ^2/NDF: 9913.8/41

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.708+/-0.044 χ^2/NDF:6663.8/35

Out: 0.328+/-0.044 χ^2/NDF:10113.1/40

All: 0.518+/-0.031 χ^2/NDF: 16814.0/76



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.055+/-0.066 χ^2/NDF:1302.3/21

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.721+/-0.068 χ^2/NDF:1441.1/19

Left: 50.894+/-0.047 χ^2/NDF: 2755.8/41

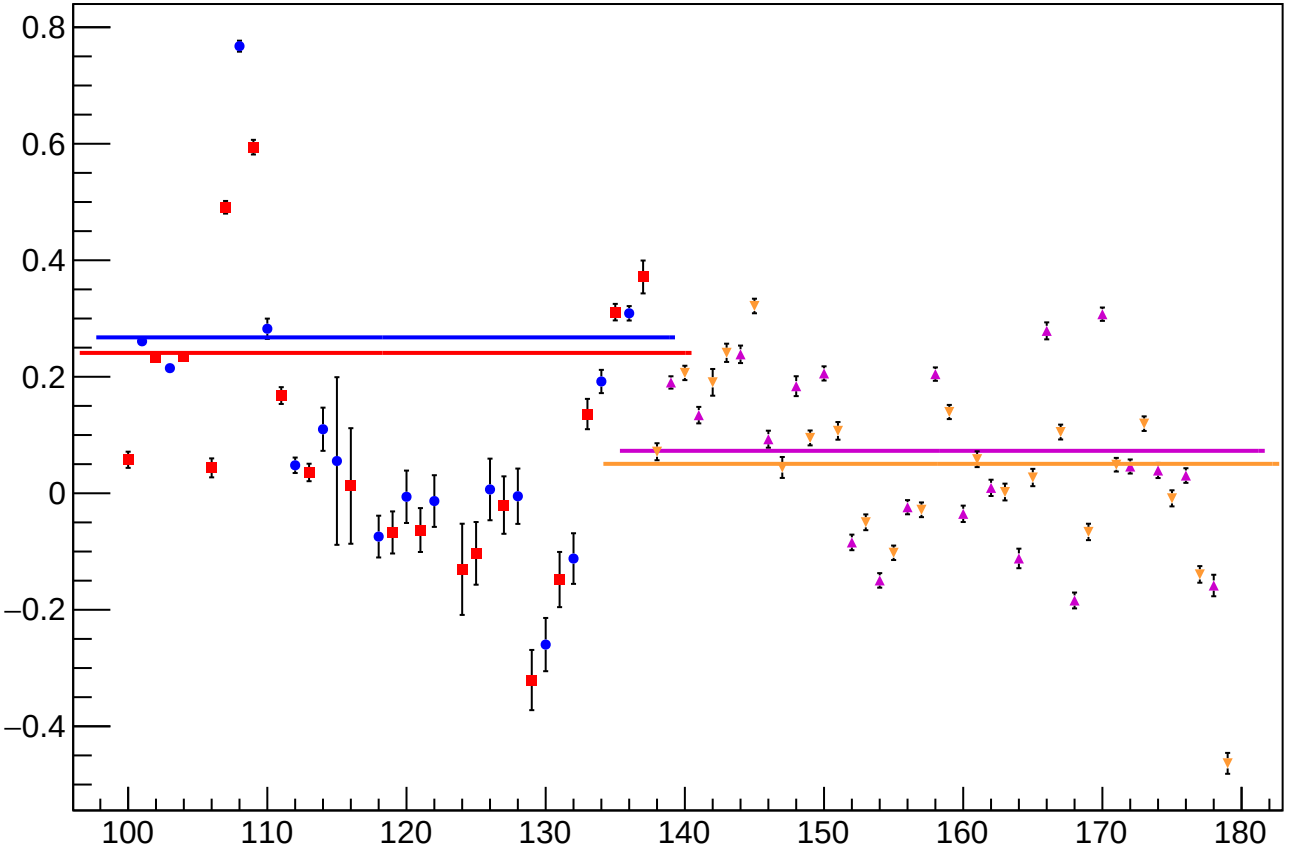
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 31.812+/-0.048 χ^2/NDF:262069.1/35

Out: 32.054+/-0.047 χ^2/NDF:291901.5/40

All: 31.936+/-0.034 χ^2/NDF: 553983.5/76

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.051+/-0.003 χ^2/NDF:2291.1/21

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.073+/-0.003 χ^2/NDF:2431.5/19

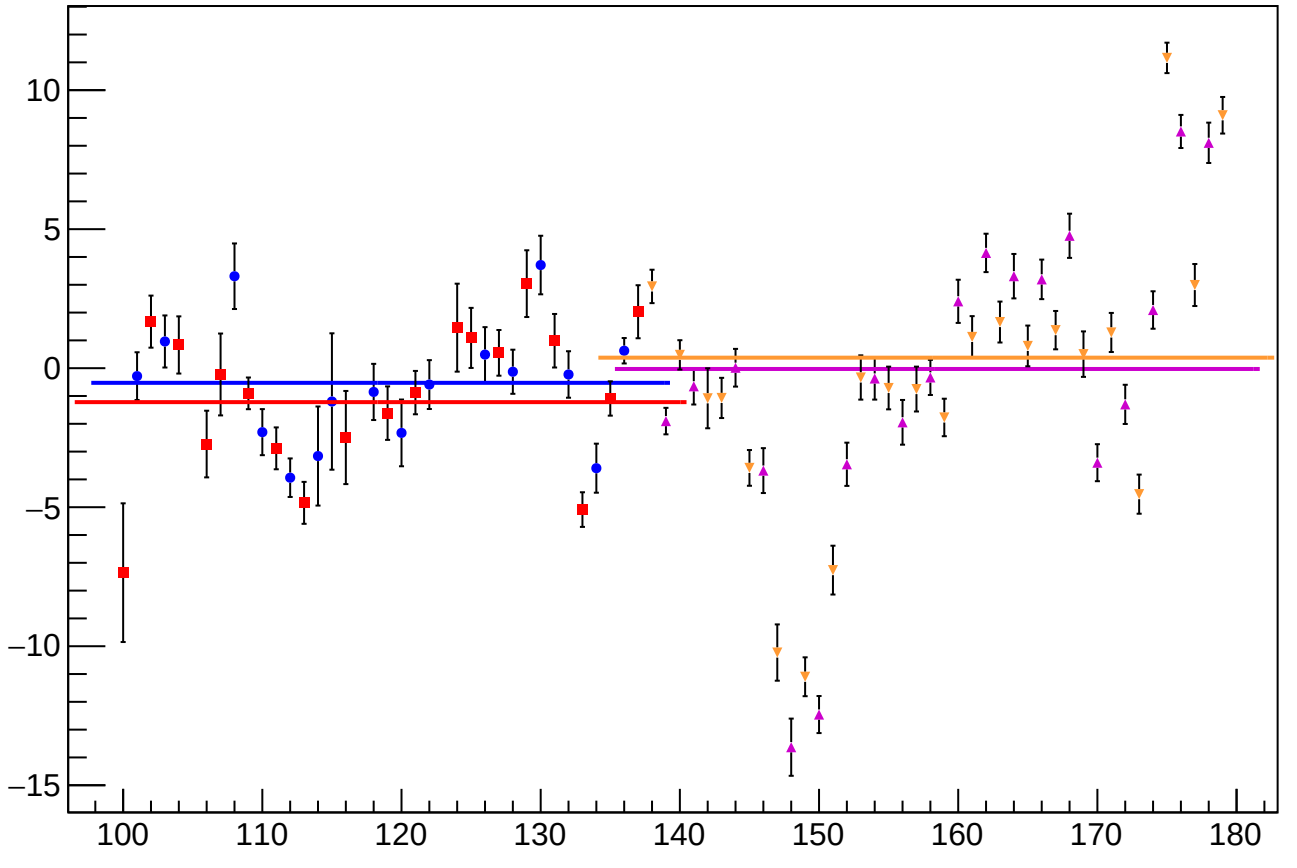
Left: 0.062+/-0.002 χ^2/NDF: 4751.2/41

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.176+/-0.002 χ^2/NDF:8430.3/35

Out: 0.153+/-0.002 χ^2/NDF:6864.8/40

All: 0.164+/-0.001 χ^2/NDF: 15364.9/76



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: 0.379+/-0.152 χ^2/NDF:1164.4/21

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -0.028+/-0.156 χ^2/NDF:1076.6/19

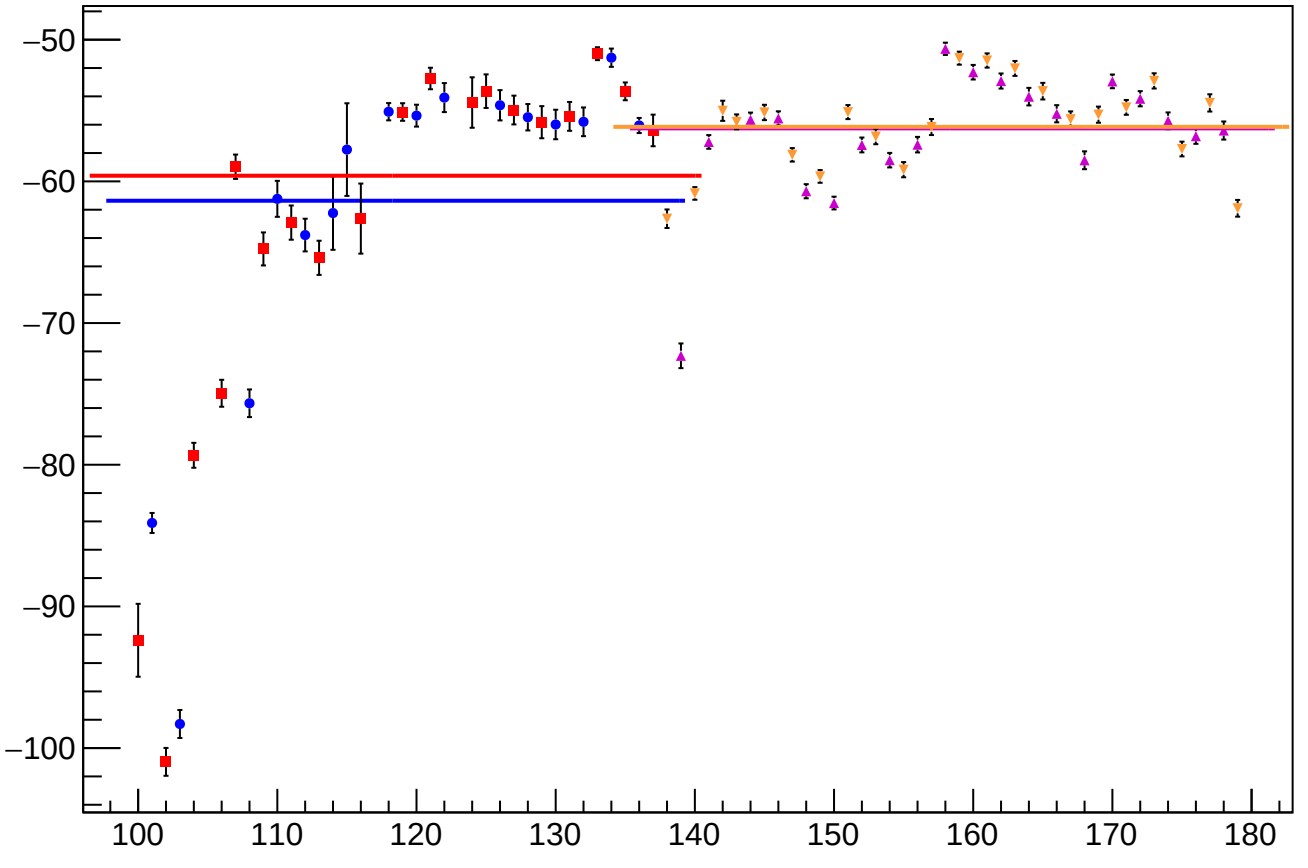
Left: 0.181+/-0.109 χ^2/NDF: 2244.5/41

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.198+/-0.127 χ^2/NDF:1162.8/35

Out: -0.189+/-0.122 χ^2/NDF:1334.7/40

All: -0.193+/-0.088 χ^2/NDF: 2497.6/76



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.151+/-0.113 χ^2/NDF:766.6/21

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.259+/-0.119 χ^2/NDF:951.1/19

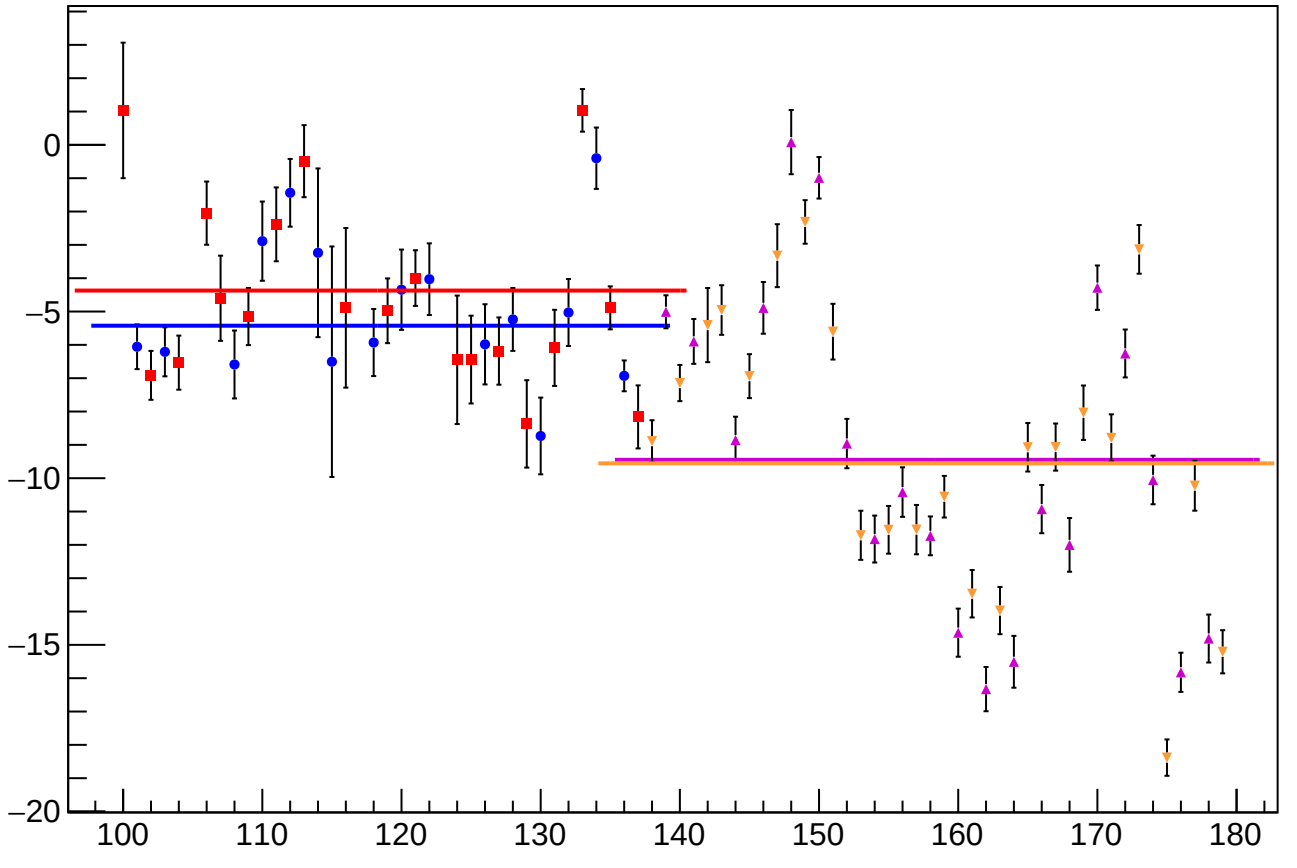
Left: -56.202+/-0.082 χ^2/NDF: 1718.1/41

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.429+/-0.105 χ^2/NDF:4721.6/35

Out: -56.951+/-0.099 χ^2/NDF:4402.1/40

All: -57.177+/-0.072 χ^2/NDF: 9134.6/76



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.555+/-0.150 χ^2/NDF:794.6/21

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -9.449+/-0.153 χ^2/NDF:942.8/19

Left: -9.503+/-0.107 χ^2/NDF: 1737.6/41

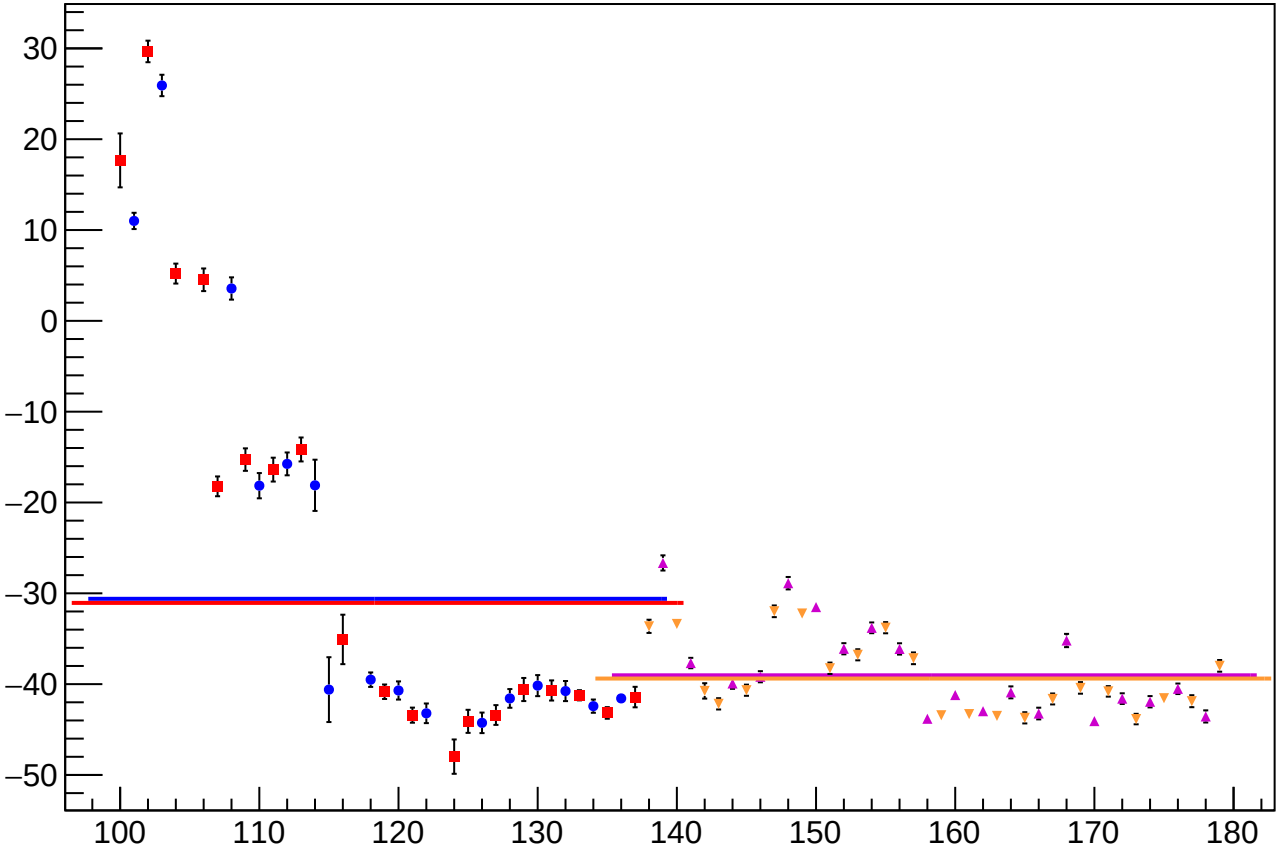
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -8.209+/-0.128 χ^2/NDF:1230.6/35

Out: -7.941+/-0.124 χ^2/NDF:1325.1/40

All: -8.071+/-0.089 χ^2/NDF: 2558.0/76

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.385+/-0.128 χ^2/NDF:986.4/21

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -39.028+/-0.133 χ^2/NDF:1218.7/19

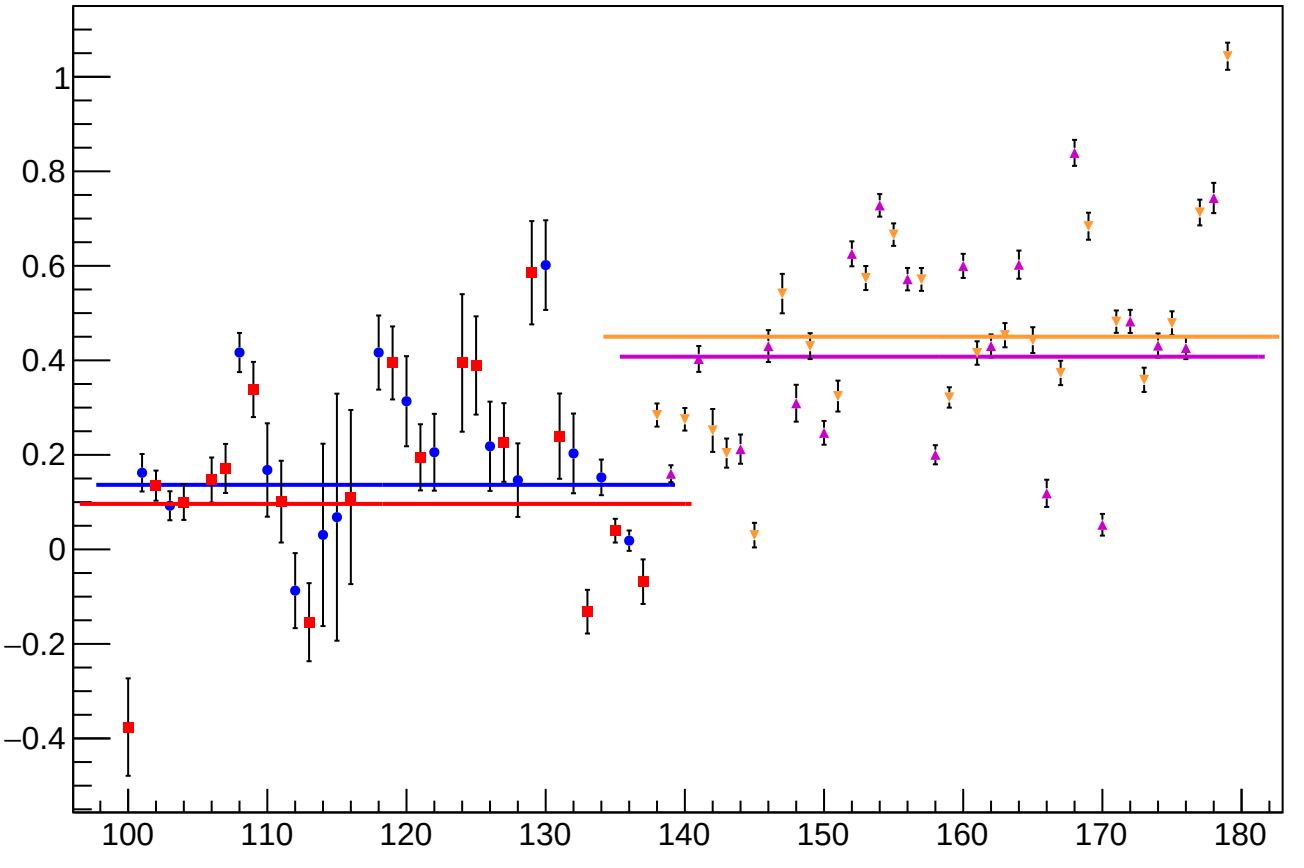
Left: -39.214+/-0.092 χ^2/NDF: 2208.9/41

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -37.154+/-0.118 χ^2/NDF:9043.6/35

Out: -37.515+/-0.113 χ^2/NDF:8914.5/40

All: -37.342+/-0.081 χ^2/NDF: 17963.0/76



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.450+/-0.006 χ^2/NDF:1243.0/21

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.408+/-0.006 χ^2/NDF:1487.3/19

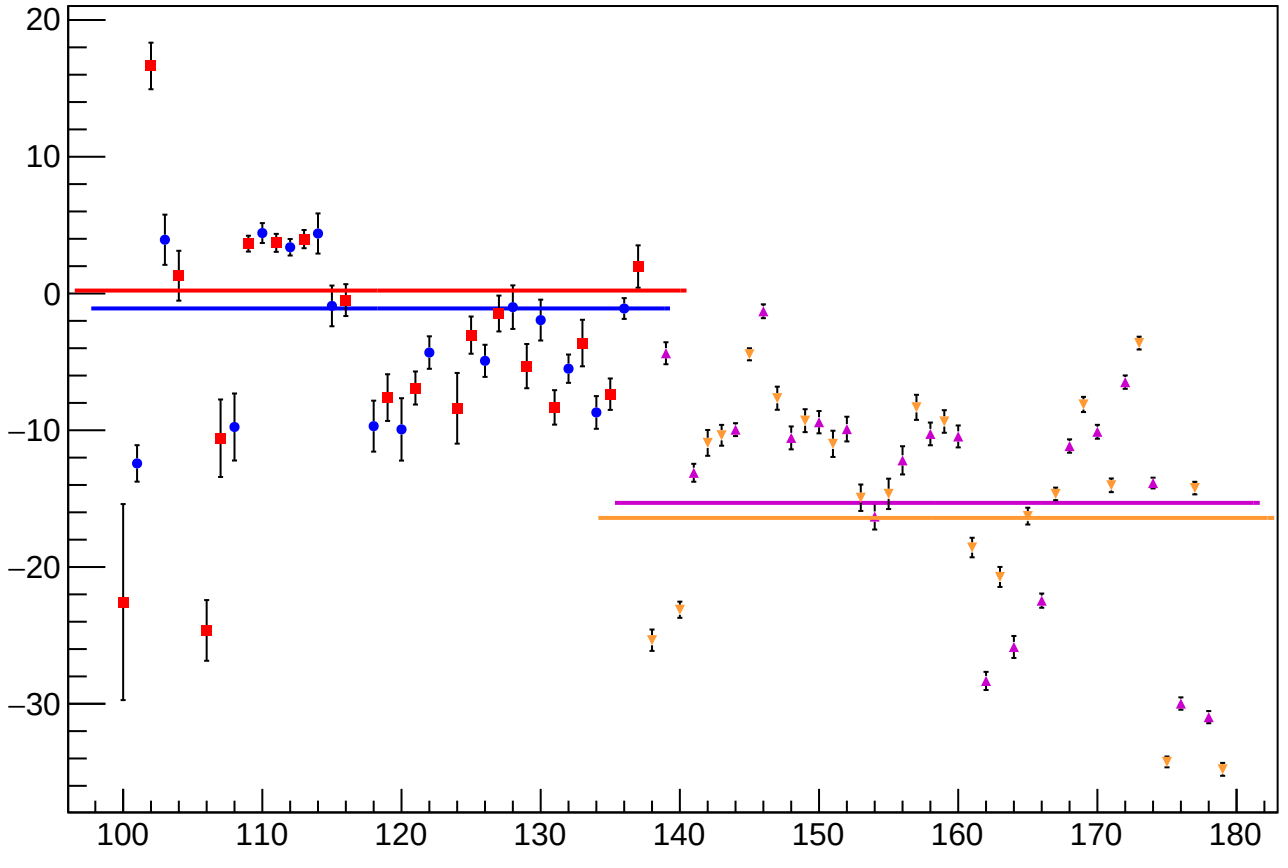
Left: 0.429+/-0.004 χ^2/NDF: 2758.0/41

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.361+/-0.005 χ^2/NDF:2005.9/35

Out: 0.388+/-0.005 χ^2/NDF:2069.3/40

All: 0.375+/-0.004 χ^2/NDF: 4089.2/76



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -16.408+/-0.130 χ^2/NDF:6075.5/21

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -15.309+/-0.132 χ^2/NDF:4850.3/19

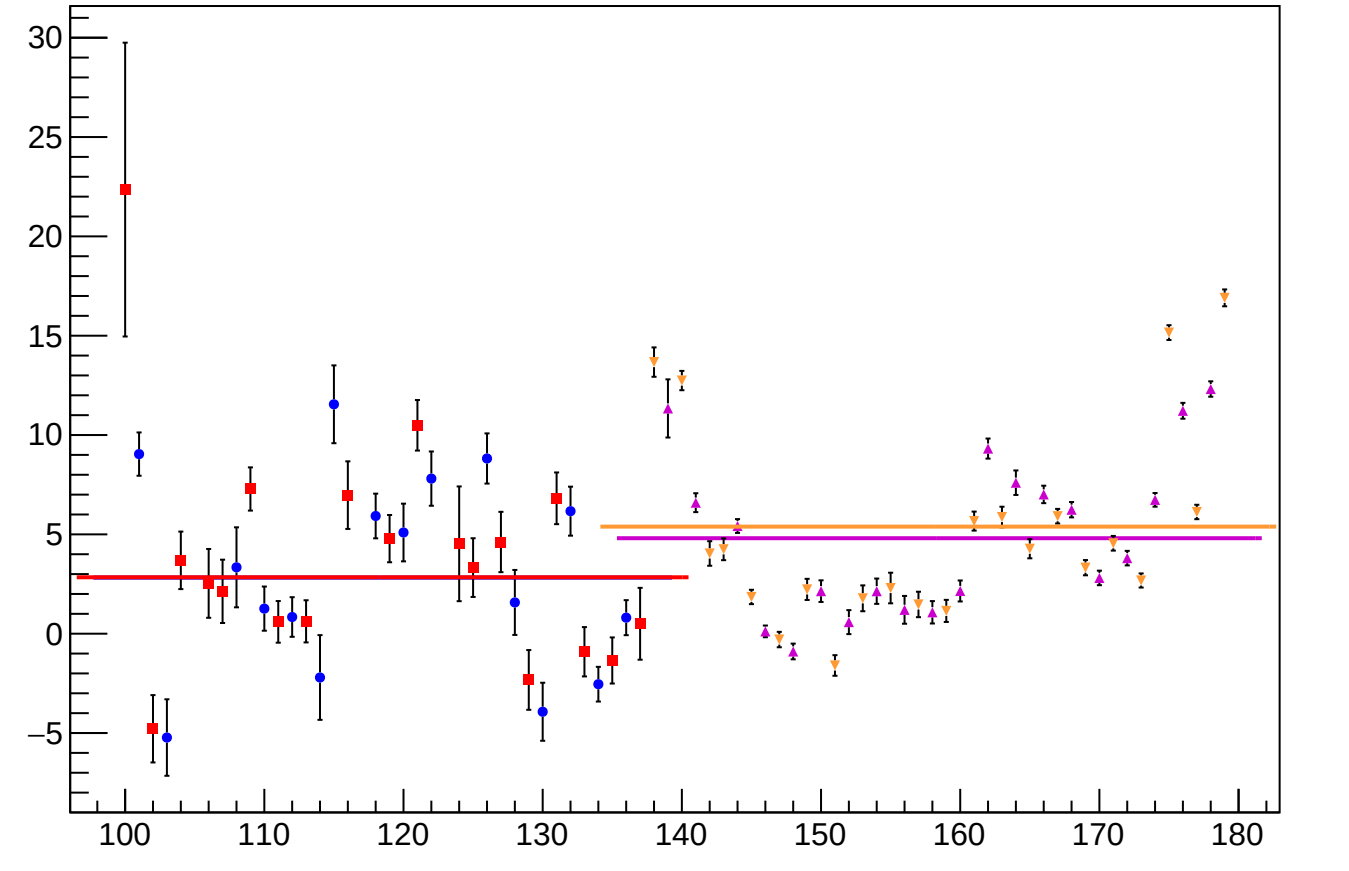
Left: -15.867+/-0.092 χ^2/NDF: 10961.2/41

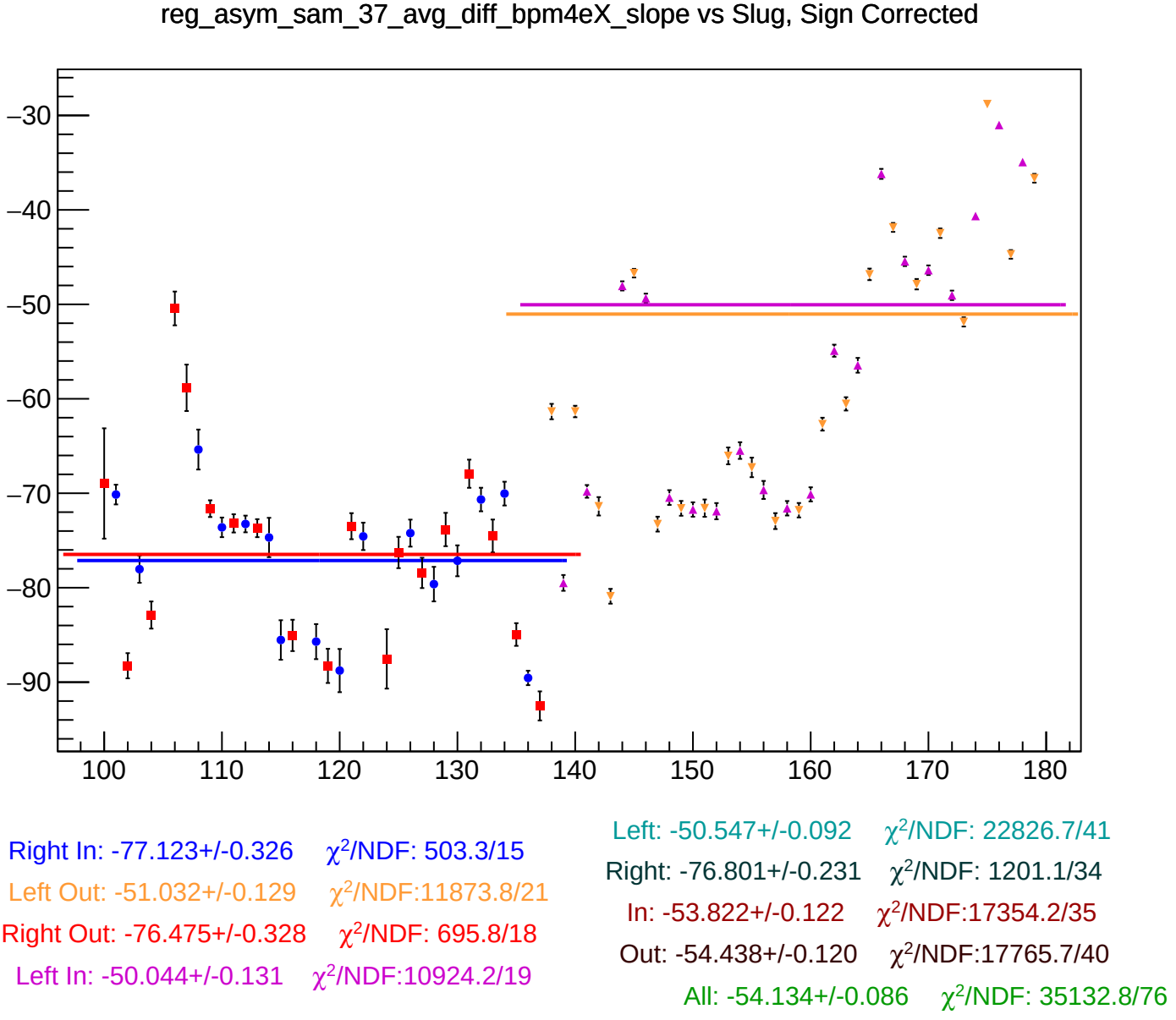
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -12.741+/-0.119 χ^2/NDF:7285.9/35

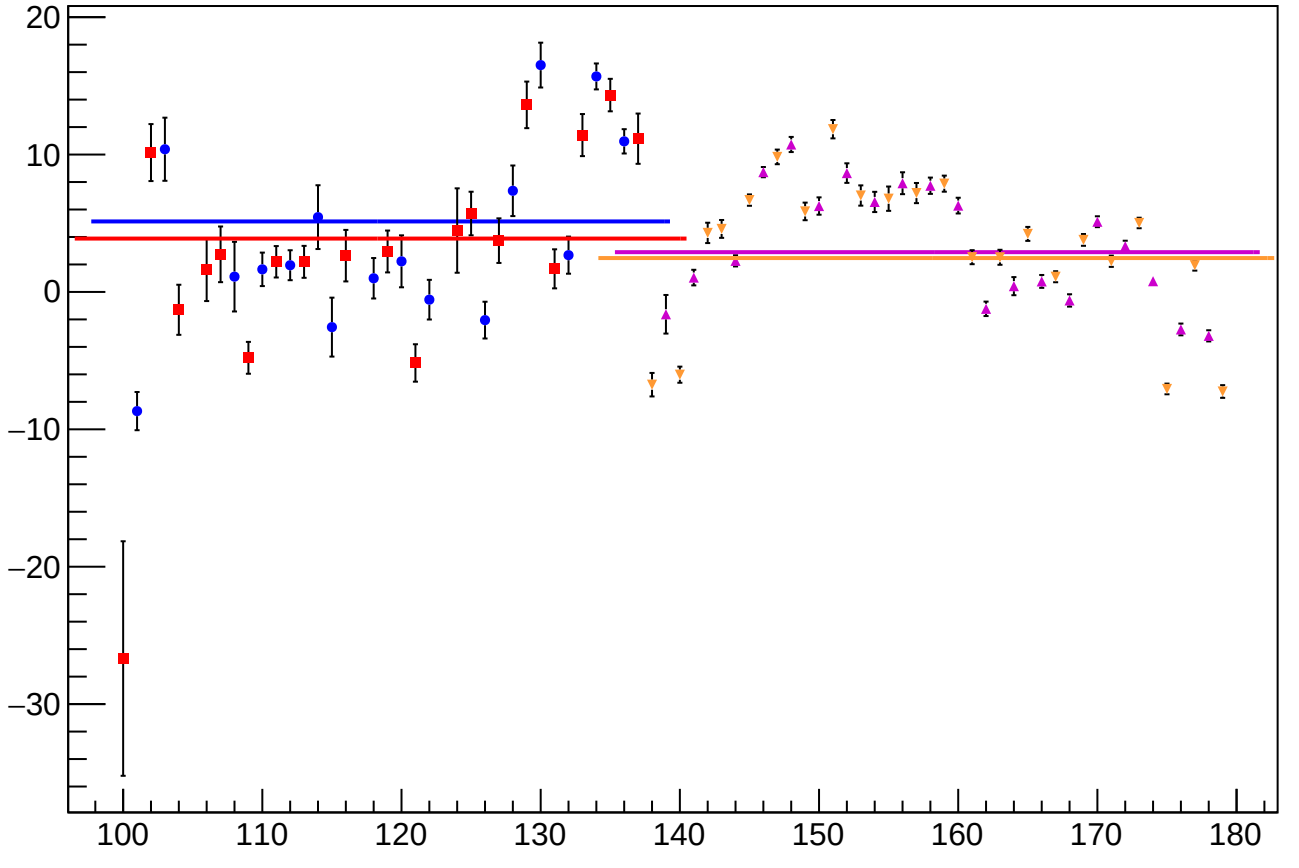
Out: -13.219+/-0.117 χ^2/NDF:9748.6/40

All: -12.985+/-0.083 χ^2/NDF: 17042.8/76


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 5.390+/-0.097 χ²/NDF:2560.8/21
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 4.806+/-0.098 χ²/NDF:1527.4/19
Left: 5.101+/-0.069 χ²/NDF: 4105.9/41
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 4.628+/-0.094 χ²/NDF:1763.4/35
Out: 5.177+/-0.093 χ²/NDF:2763.1/40
All: 4.904+/-0.066 χ²/NDF: 4543.7/76


reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
180
Right In: -77.123+/-0.326 χ²/NDF: 503.3/15
Left Out: -51.032+/-0.129 χ²/NDF:11873.8/21
Right Out: -76.475+/-0.328 χ²/NDF: 695.8/18
Left In: -50.044+/-0.131 χ²/NDF:10924.2/19
Left: -50.547+/-0.092 χ²/NDF: 22826.7/41
Right: -76.801+/-0.231 χ²/NDF: 1201.1/34
In: -53.822+/-0.122 χ²/NDF:17354.2/35
Out: -54.438+/-0.120 χ²/NDF:17765.7/40
All: -54.134+/-0.086 χ²/NDF: 35132.8/76

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 2.466+/-0.109 χ^2/NDF:2168.9/21

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 2.895+/-0.111 χ^2/NDF:1350.9/19

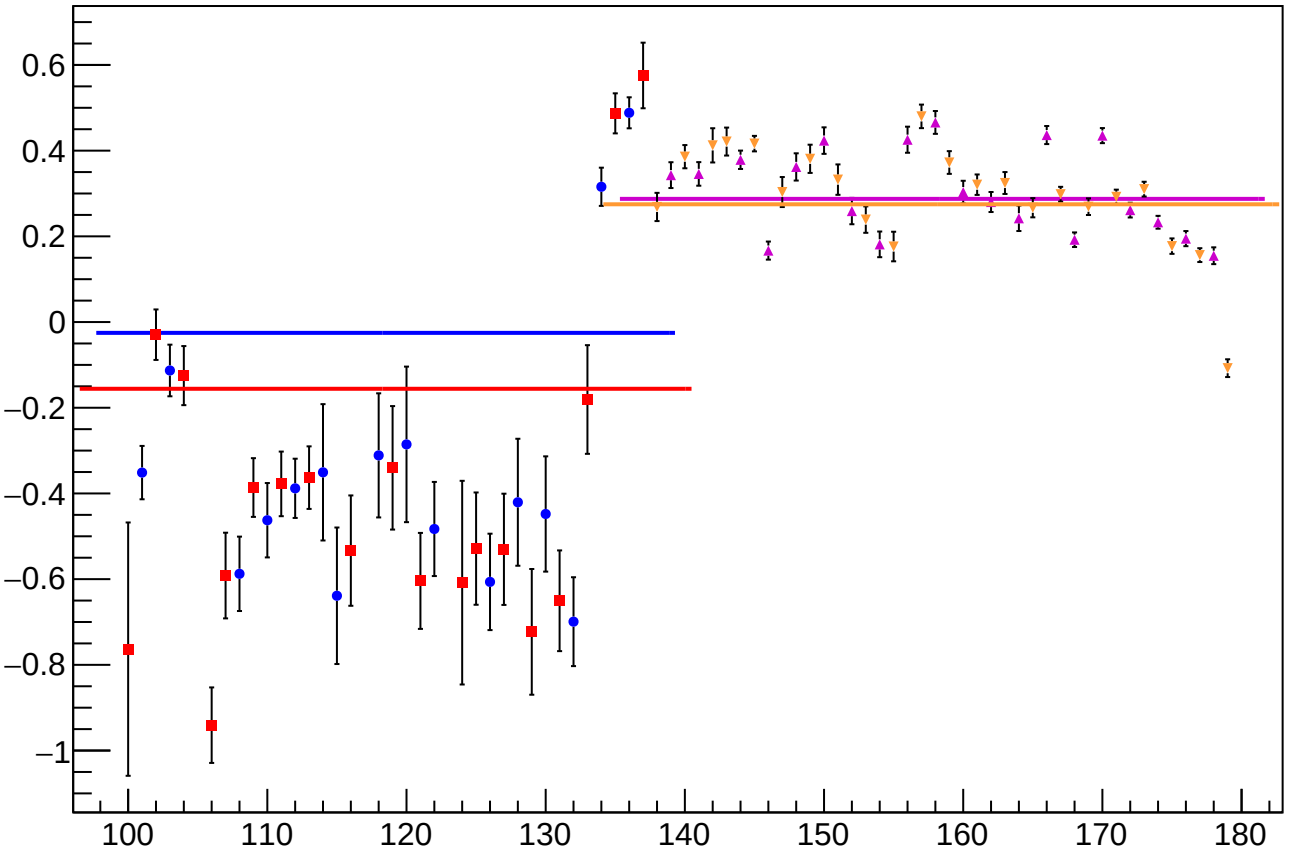
Left: 2.677+/-0.078 χ^2/NDF: 3527.4/41

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.100+/-0.106 χ^2/NDF:1800.4/35

Out: 2.585+/-0.105 χ^2/NDF:2474.5/40

All: 2.840+/-0.074 χ^2/NDF: 4286.8/76



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.275+/-0.005 χ^2/NDF:641.0/21

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.287+/-0.005 χ^2/NDF:405.9/19

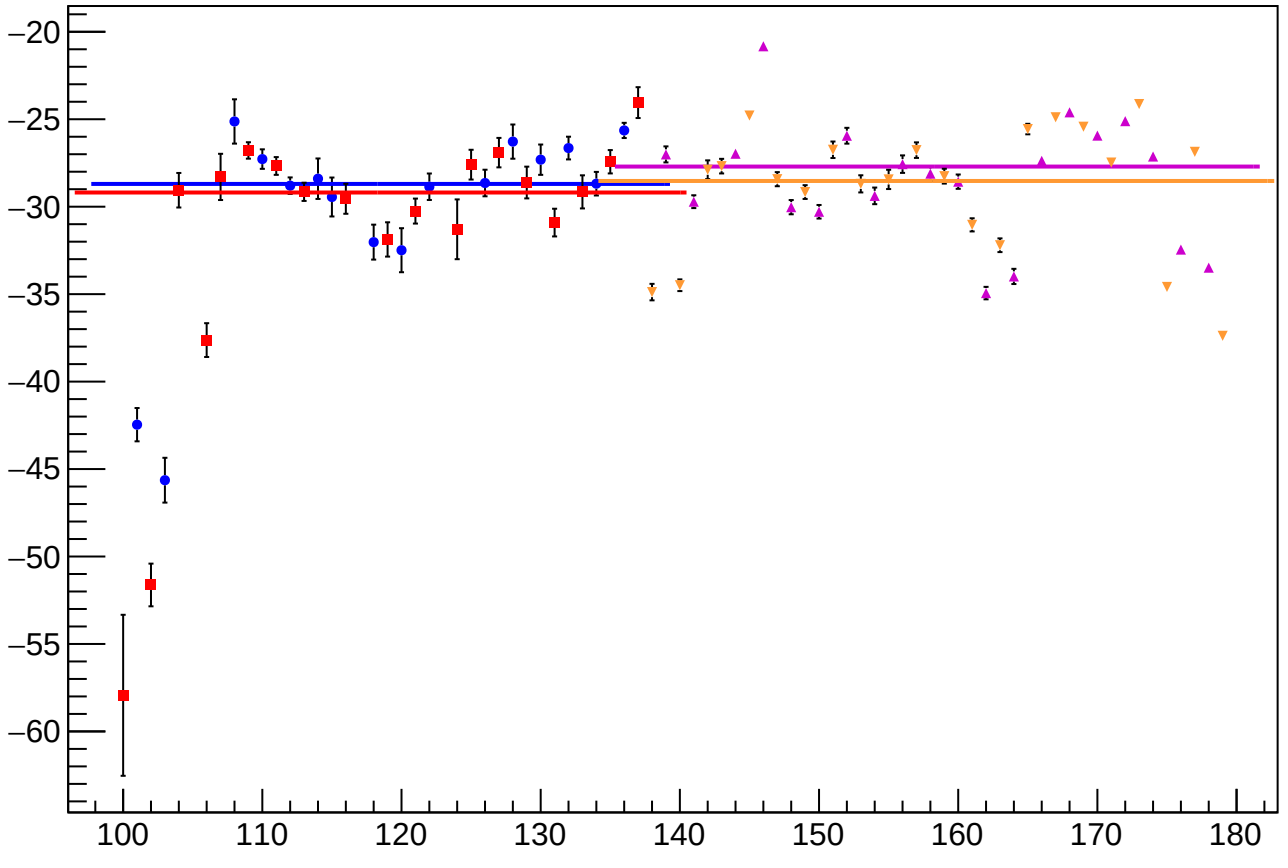
Left: 0.281+/-0.003 χ^2/NDF: 1050.2/41

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.267+/-0.005 χ^2/NDF:1173.3/35

Out: 0.251+/-0.005 χ^2/NDF:1564.4/40

All: 0.259+/-0.003 χ^2/NDF: 2743.7/76



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.529+/-0.064 χ^2/NDF:4280.9/21

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.706+/-0.064 χ^2/NDF:3348.2/19

Left: -28.118+/-0.045 χ^2/NDF: 7713.0/41

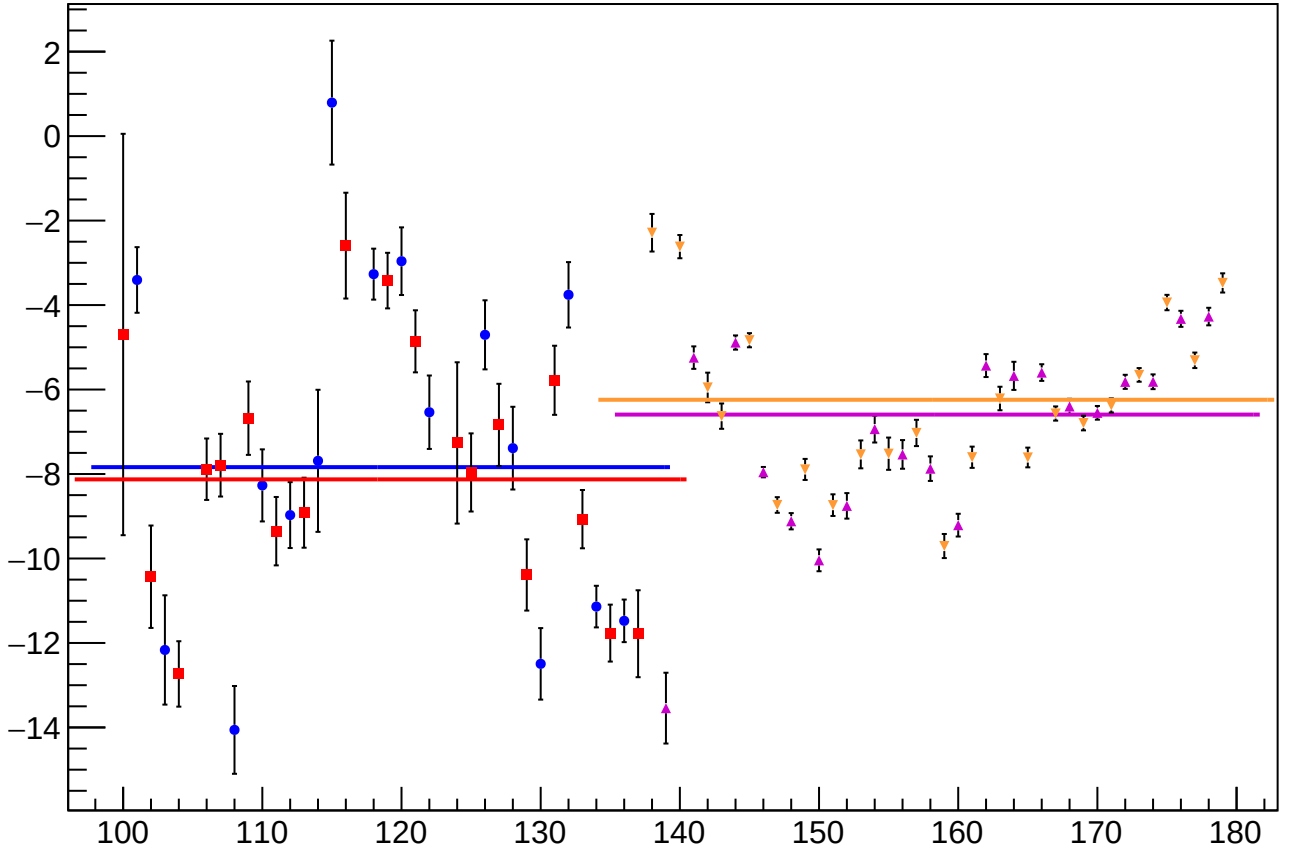
Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.810+/-0.060 χ^2/NDF:3861.1/35

Out: -28.601+/-0.060 χ^2/NDF:4850.0/40

All: -28.207+/-0.042 χ^2/NDF: 8797.9/76

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.242+/-0.048 χ^2/NDF:1250.5/21

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.593+/-0.047 χ^2/NDF:1204.9/19

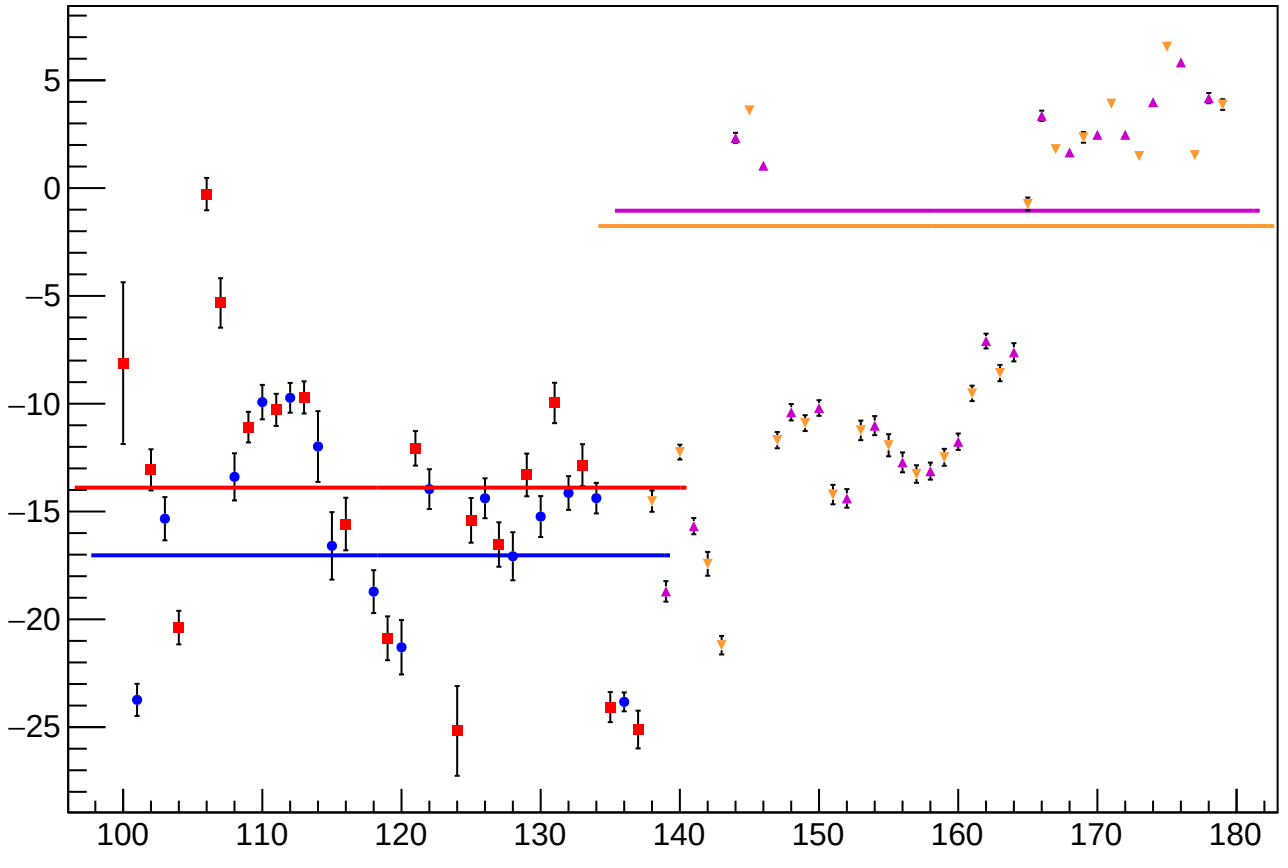
Left: -6.419+/-0.033 χ^2/NDF: 2482.7/41

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.661+/-0.046 χ^2/NDF:1626.6/35

Out: -6.347+/-0.046 χ^2/NDF:1534.5/40

All: -6.506+/-0.033 χ^2/NDF: 3184.5/76



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -1.760+/-0.063 χ^2/NDF:14317.7/21

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -1.048+/-0.063 χ^2/NDF:11873.5/19

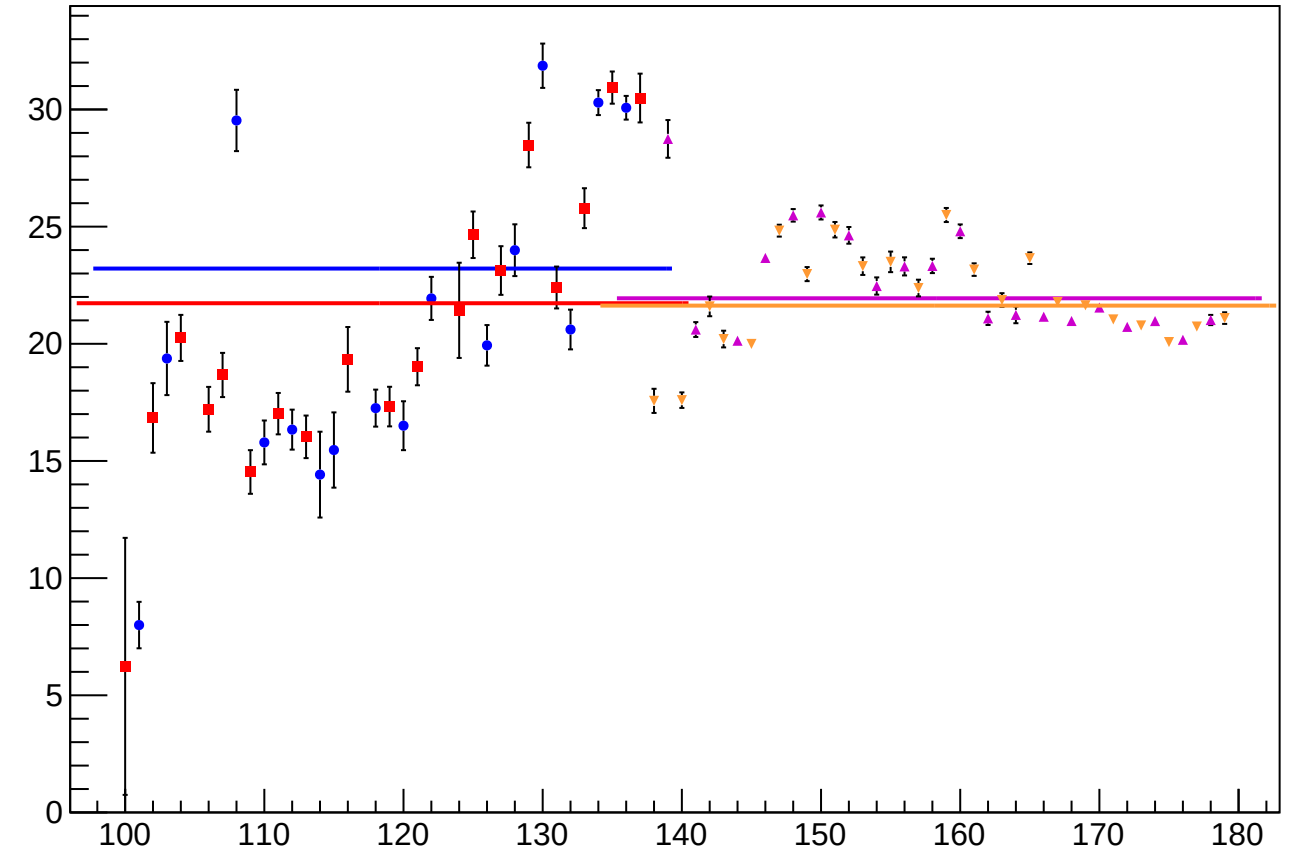
Left: -1.405+/-0.045 χ^2/NDF: 26254.4/41

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -2.392+/-0.061 χ^2/NDF:17813.5/35

Out: -2.775+/-0.061 χ^2/NDF:18413.0/40

All: -2.584+/-0.043 χ^2/NDF: 36246.5/76



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.630+/-0.053 χ^2/NDF:1008.9/21

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 21.942+/-0.053 χ^2/NDF:1028.6/19

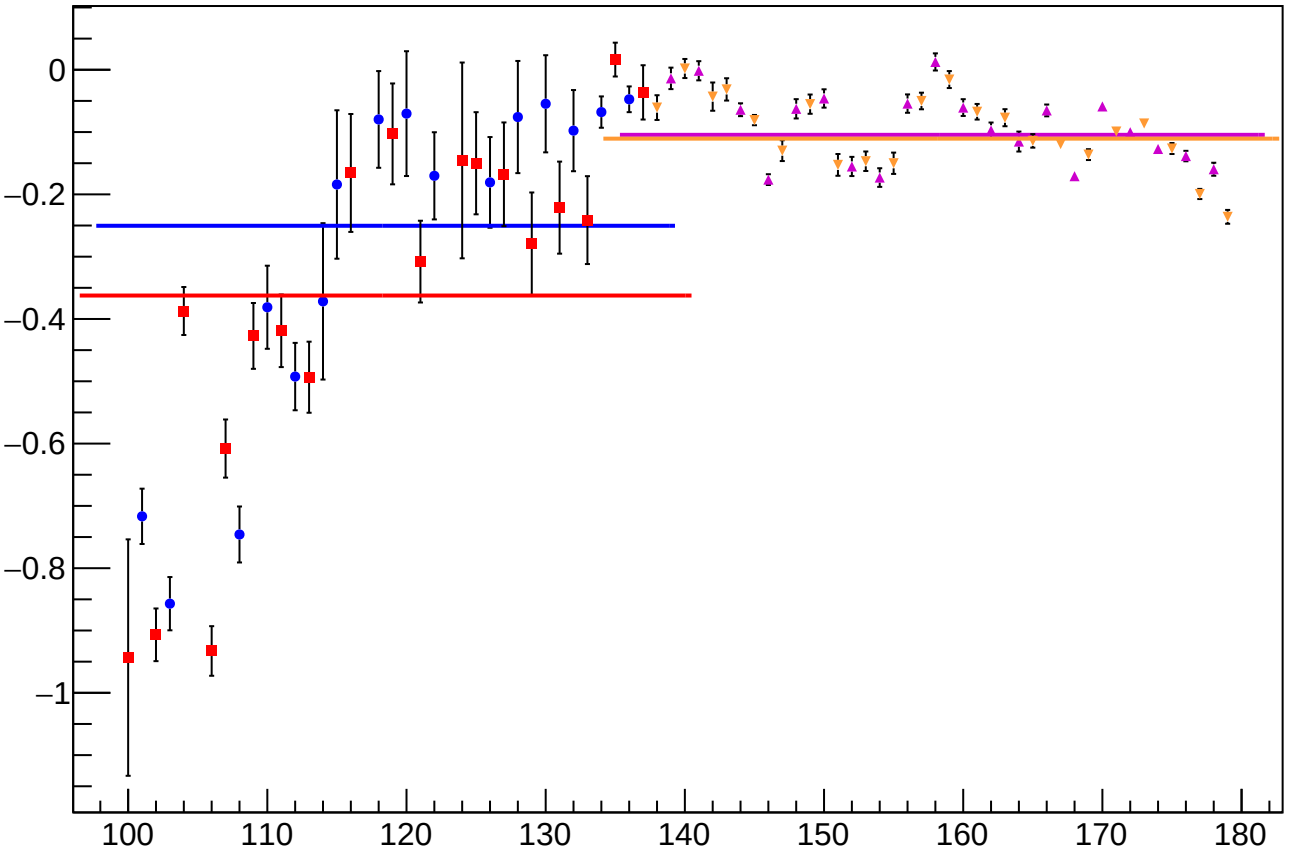
Left: 21.786+/-0.038 χ^2/NDF: 2054.6/41

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.014+/-0.052 χ^2/NDF:2068.8/35

Out: 21.635+/-0.052 χ^2/NDF:1567.3/40

All: 21.825+/-0.037 χ^2/NDF: 3662.7/76



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.111+/-0.002 χ^2/NDF:490.7/21

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.104+/-0.002 χ^2/NDF:481.2/19

Left: -0.108+/-0.002 χ^2/NDF: 975.2/41

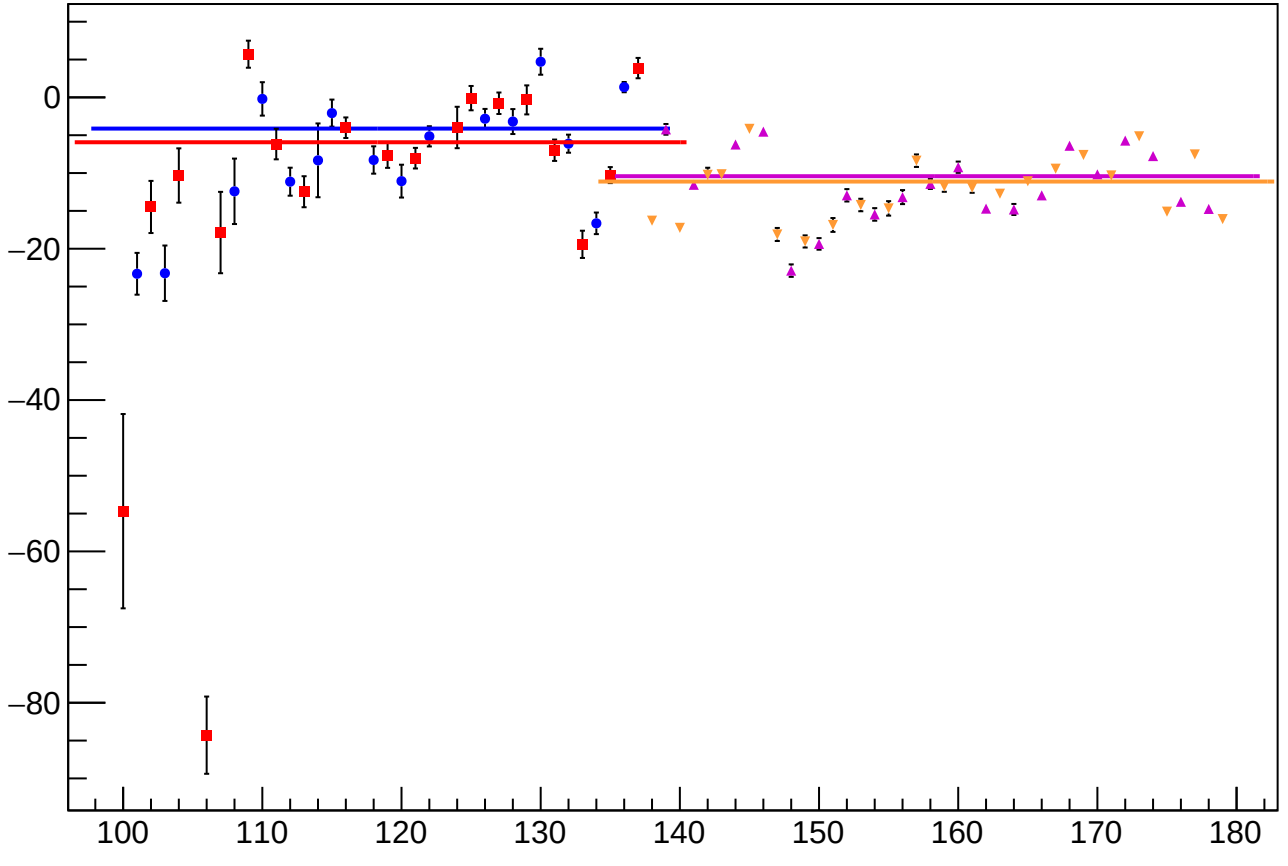
Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.110+/-0.002 χ^2/NDF:1265.1/35

Out: -0.120+/-0.002 χ^2/NDF:1595.8/40

All: -0.115+/-0.002 χ^2/NDF: 2868.8/76

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.122+/-0.109 χ^2/NDF:1547.9/21

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.417+/-0.111 χ^2/NDF:1470.5/19

Left: -10.776+/-0.078 χ^2/NDF: 3038.8/41

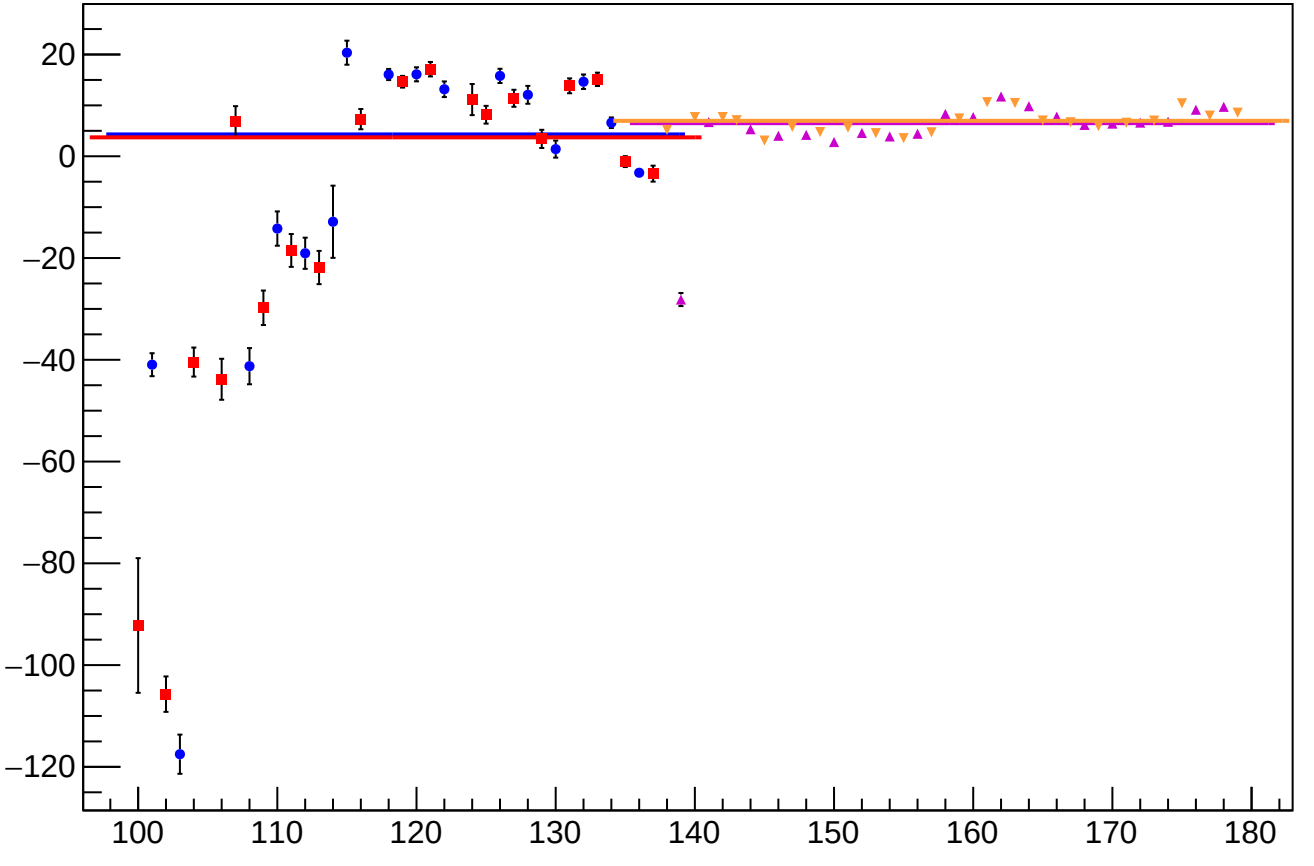
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.923+/-0.107 χ^2/NDF:2008.8/35

Out: -10.774+/-0.106 χ^2/NDF:2181.8/40

All: -10.354+/-0.075 χ^2/NDF: 4222.6/76

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.964+/-0.083 χ^2/NDF:587.4/21

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.504+/-0.084 χ^2/NDF:1361.3/19

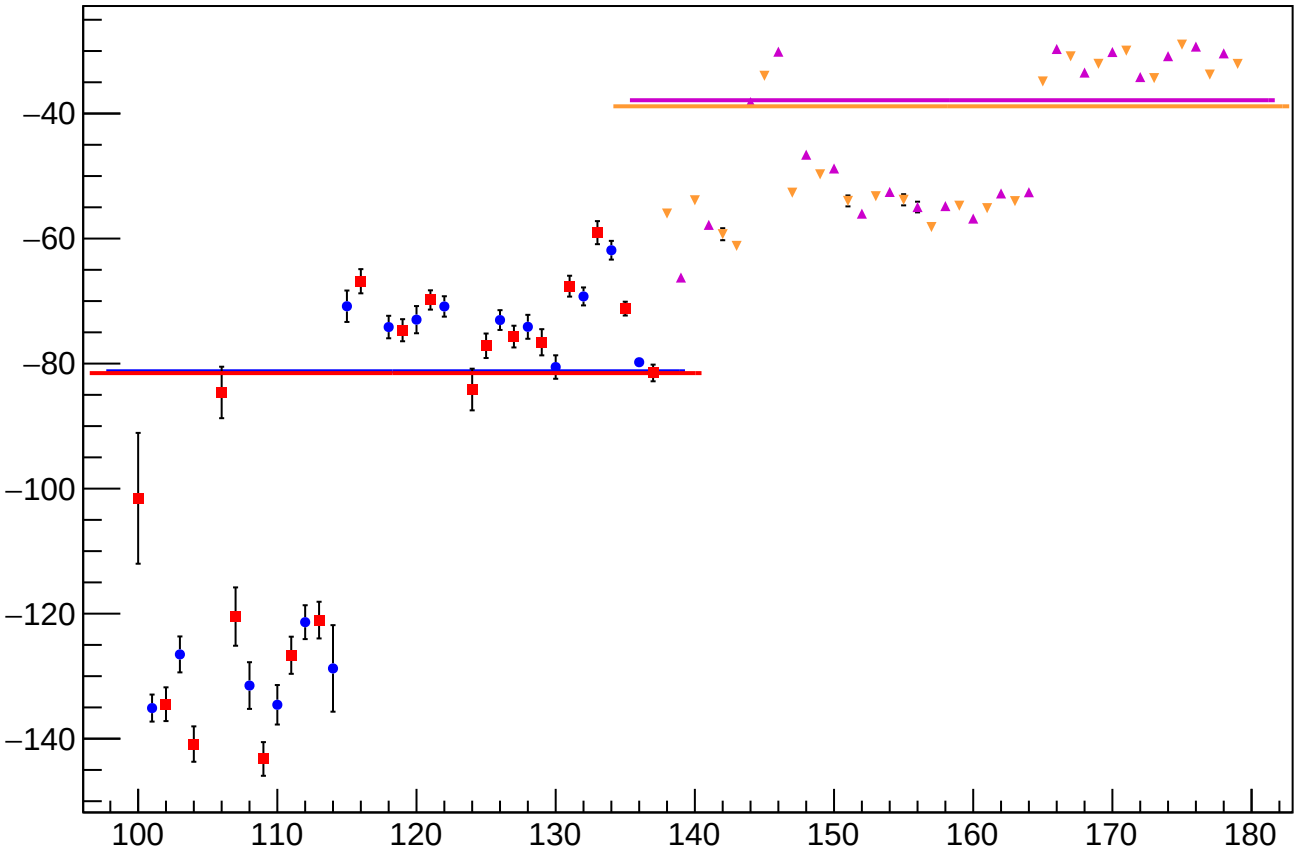
Left: 6.737+/-0.059 χ^2/NDF: 1963.7/41

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.403+/-0.082 χ^2/NDF:3561.9/35

Out: 6.842+/-0.082 χ^2/NDF:2651.5/40

All: 6.624+/-0.058 χ^2/NDF: 6227.6/76



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -38.845+/-0.109 χ^2/NDF:9648.5/21

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -37.871+/-0.111 χ^2/NDF:9431.7/19

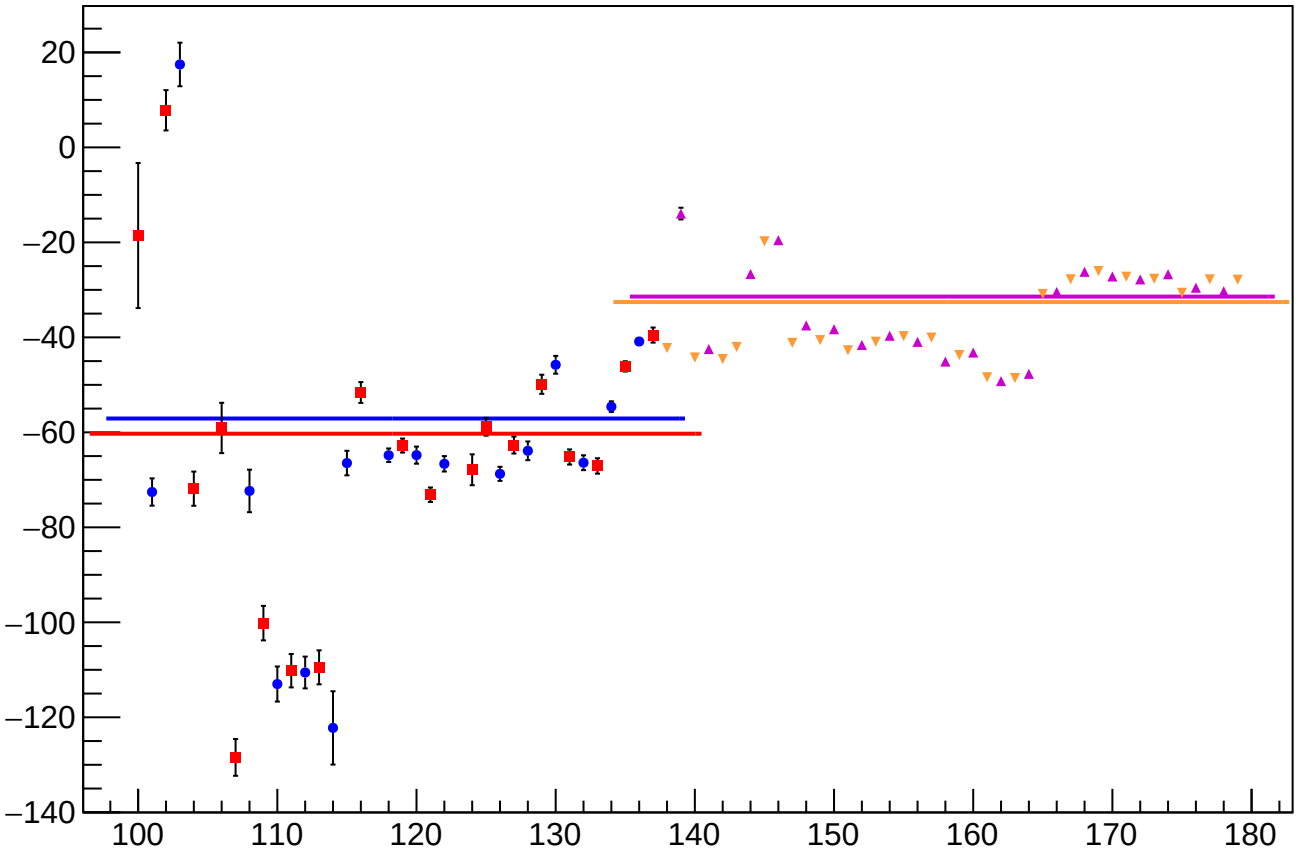
Left: -38.367+/-0.078 χ^2/NDF: 19119.4/41

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -40.750+/-0.107 χ^2/NDF:21505.0/35

Out: -41.100+/-0.106 χ^2/NDF:20038.4/40

All: -40.927+/-0.075 χ^2/NDF: 41548.7/76



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.563+/-0.093 χ^2/NDF:7739.5/21

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.416+/-0.095 χ^2/NDF:7298.0/19

Left: -31.999+/-0.066 χ^2/NDF: 15112.2/41

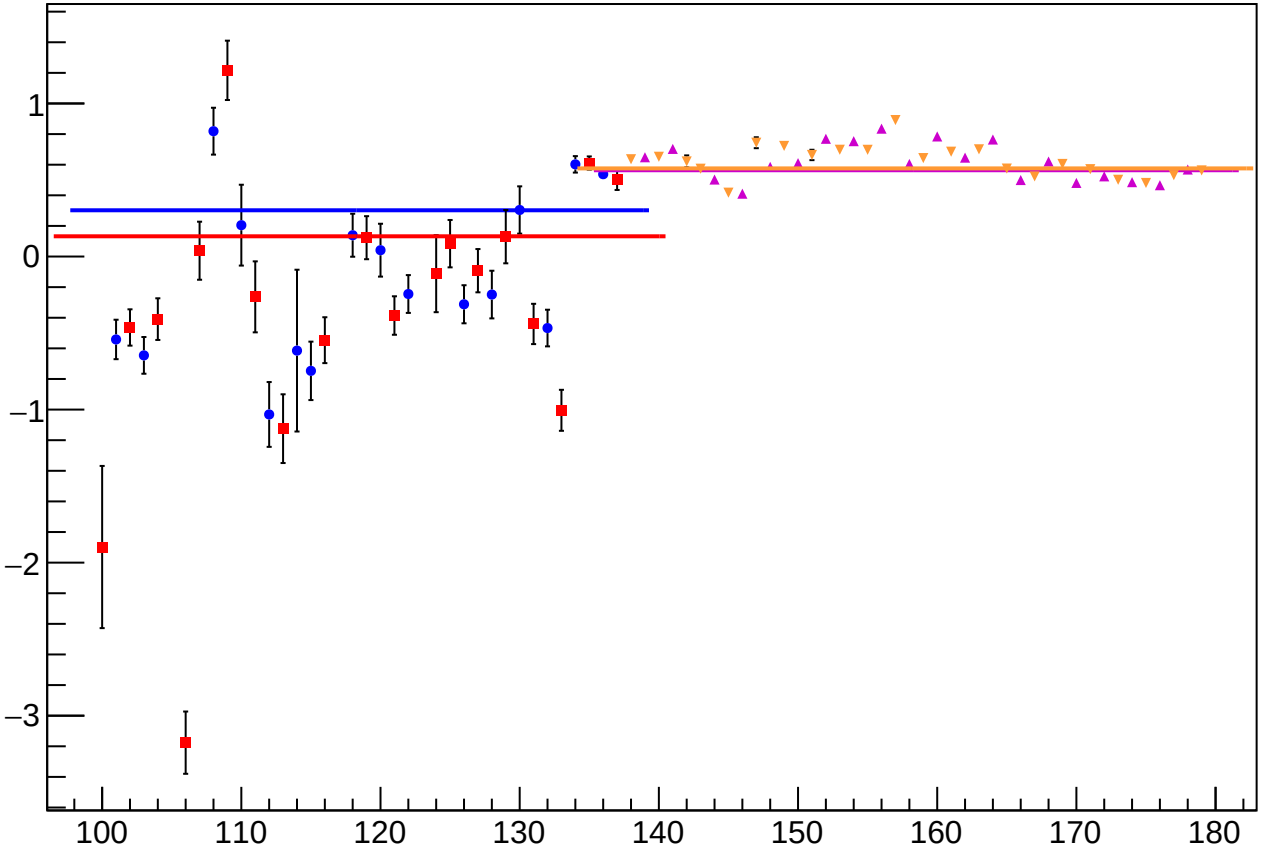
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.625+/-0.092 χ^2/NDF:12290.0/35

Out: -33.609+/-0.091 χ^2/NDF:12675.2/40

All: -33.123+/-0.065 χ^2/NDF: 25022.6/76

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.576+/-0.004 χ^2/NDF:535.1/21

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.564+/-0.004 χ^2/NDF:649.6/19

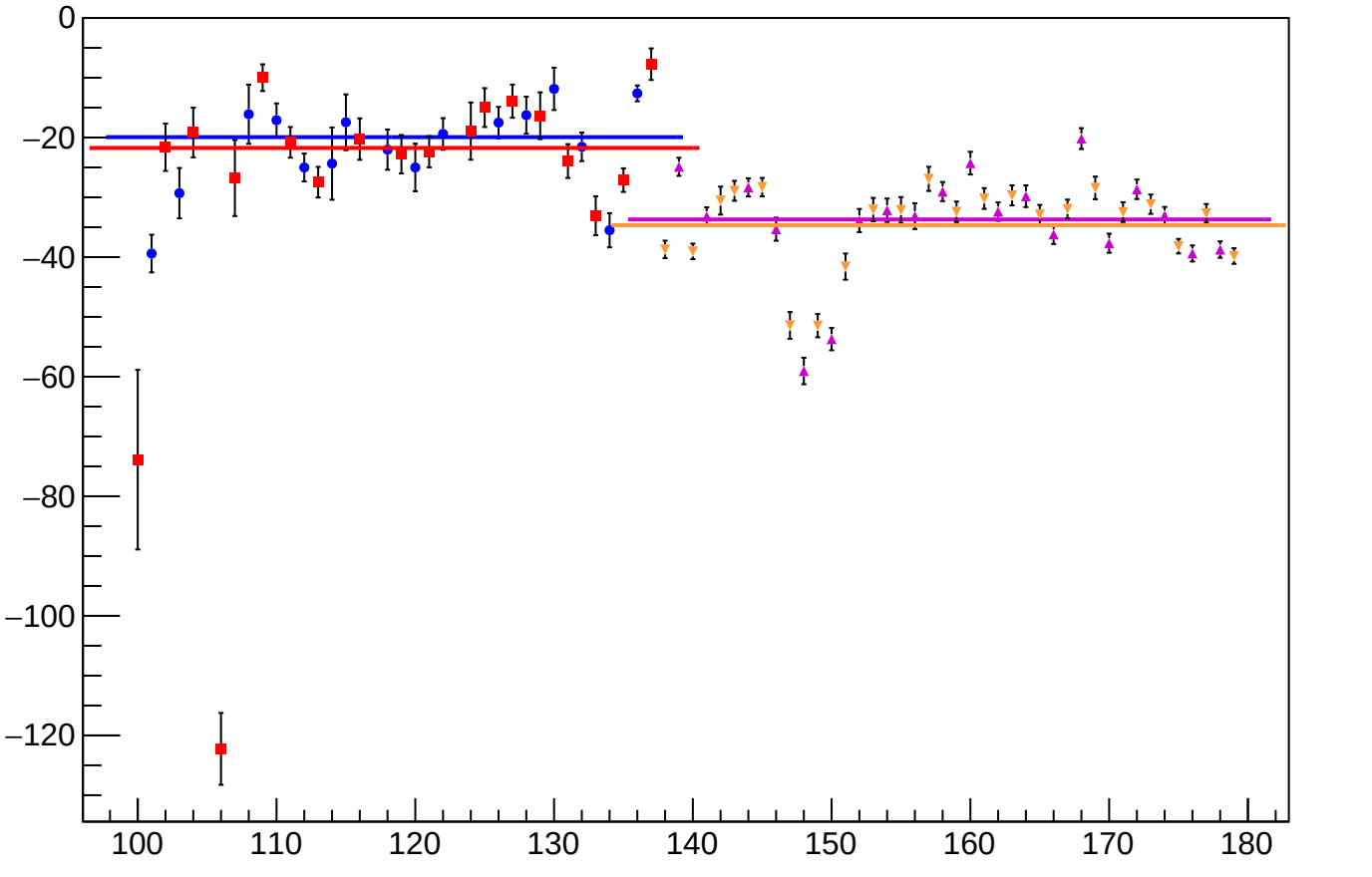
Left: 0.570+/-0.003 χ^2/NDF: 1188.8/41

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.555+/-0.004 χ^2/NDF:1150.2/35

Out: 0.565+/-0.004 χ^2/NDF:1481.1/40

All: 0.560+/-0.003 χ^2/NDF: 2634.1/76


reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -19.935+/-0.695 χ²/NDF: 120.6/15
Left Out: -34.662+/-0.354 χ²/NDF:274.9/21
Right Out: -21.746+/-0.714 χ²/NDF: 388.3/18
Left In: -33.709+/-0.371 χ²/NDF:442.3/19
Left: -34.207+/-0.256 χ²/NDF: 720.6/41
Right: -20.816+/-0.498 χ²/NDF: 512.2/34
In: -30.648+/-0.328 χ²/NDF:868.6/35
Out: -32.108+/-0.317 χ²/NDF:926.0/40
All: -31.401+/-0.228 χ²/NDF: 1804.8/76

Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.240+/-0.264 χ^2/NDF:515.9/21

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -36.217+/-0.279 χ^2/NDF:1499.1/19

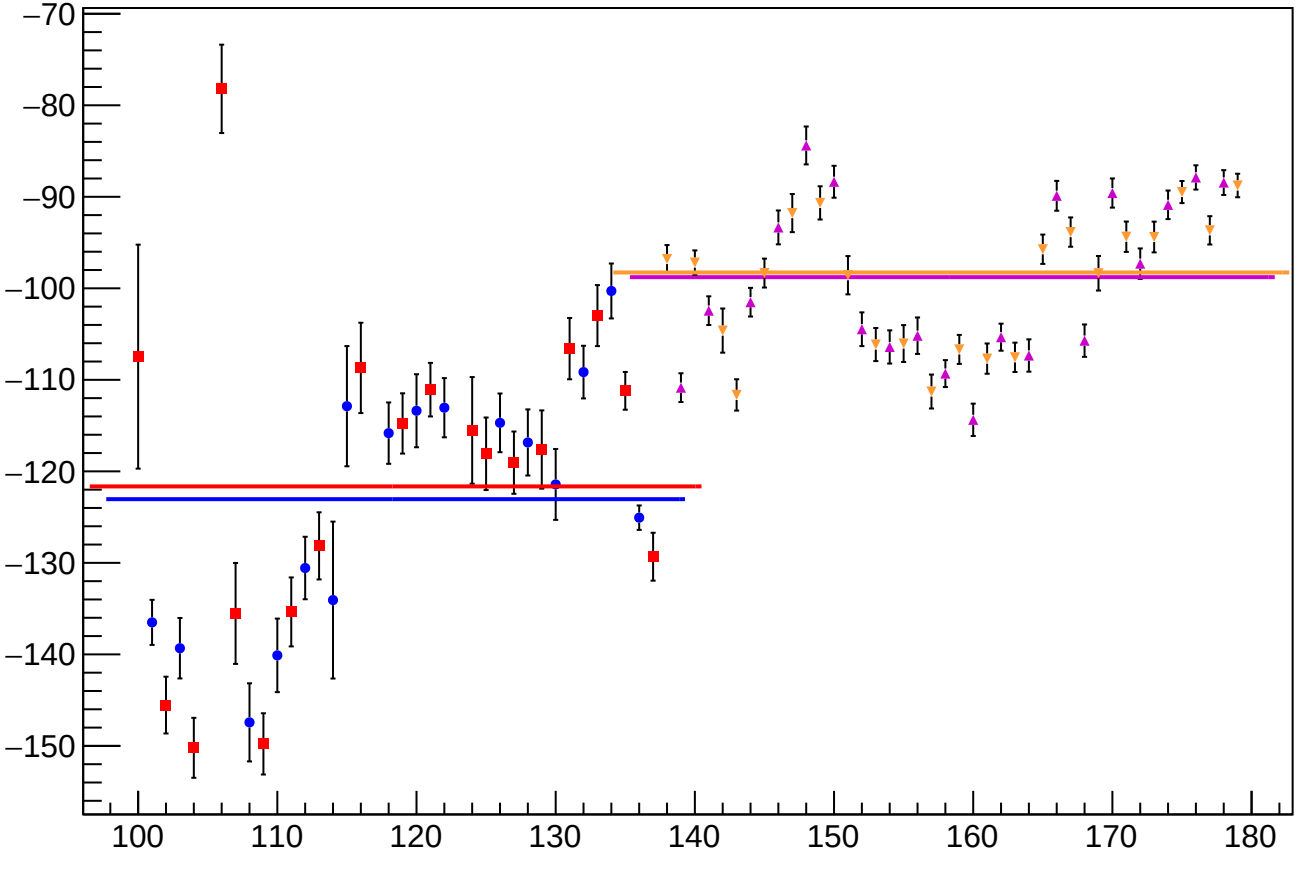
Left: -35.701+/-0.192 χ^2/NDF: 2021.5/41

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -38.373+/-0.259 χ^2/NDF:3723.8/35

Out: -37.172+/-0.249 χ^2/NDF:2664.9/40

All: -37.748+/-0.179 χ^2/NDF: 6399.9/76



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.267+/-0.350 χ^2/NDF:411.5/21

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -98.780+/-0.366 χ^2/NDF:600.0/19

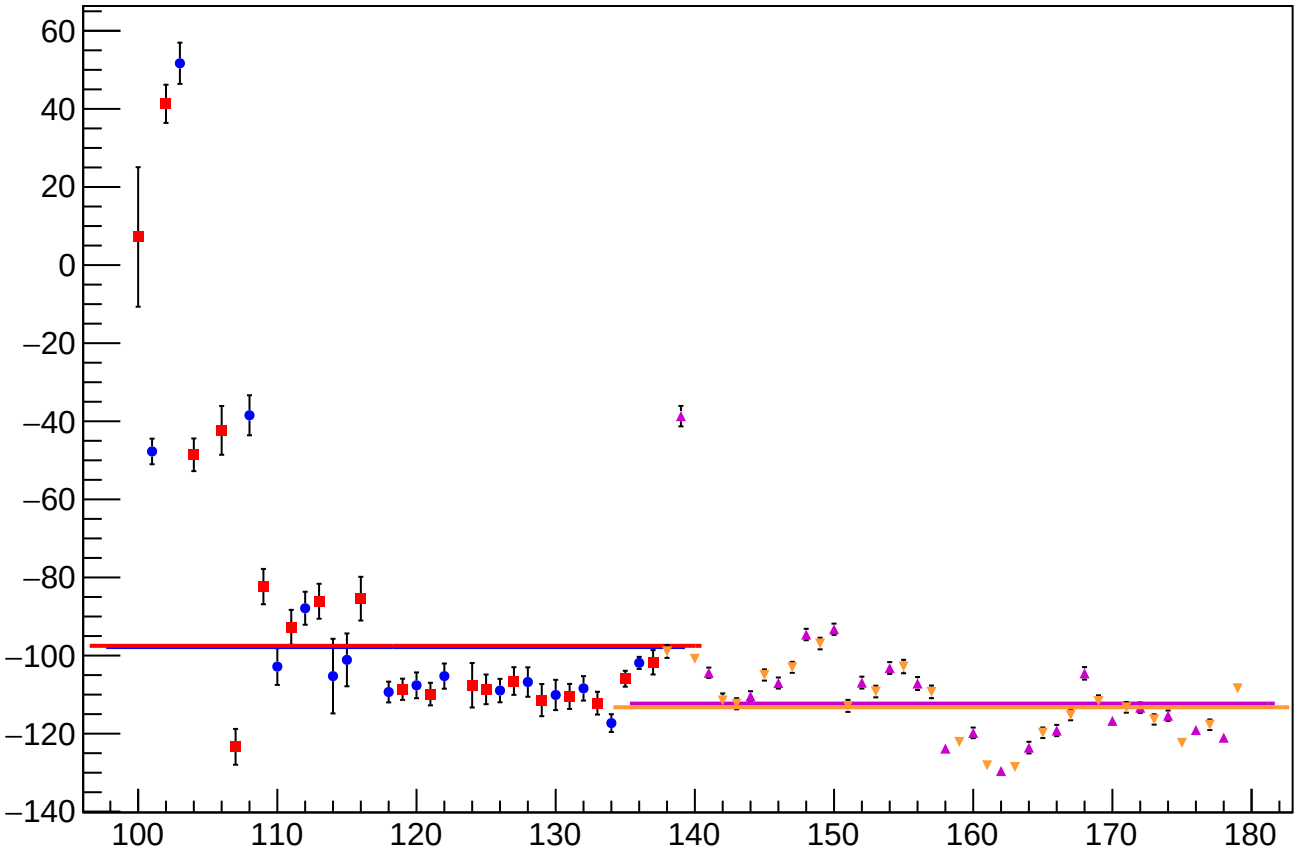
Left: -98.512+/-0.253 χ^2/NDF: 1012.5/41

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -103.452+/-0.329 χ^2/NDF:1671.6/35

Out: -102.017+/-0.321 χ^2/NDF:1550.8/40

All: -102.716+/-0.230 χ^2/NDF: 3232.1/76



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.246+/-0.298 χ^2/NDF:888.0/21

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -112.297+/-0.313 χ^2/NDF:1747.3/19

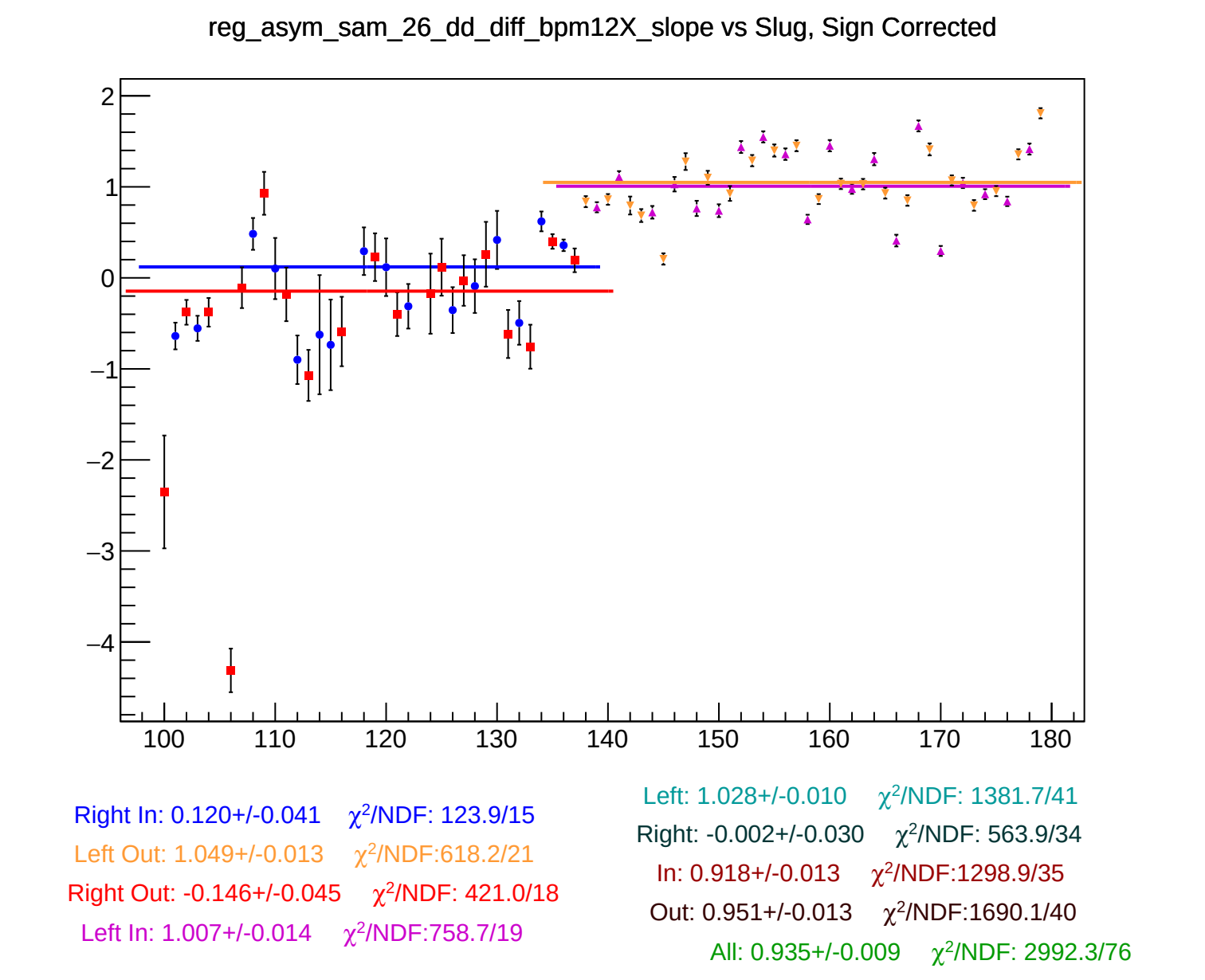
Left: -112.795+/-0.216 χ^2/NDF: 2640.1/41

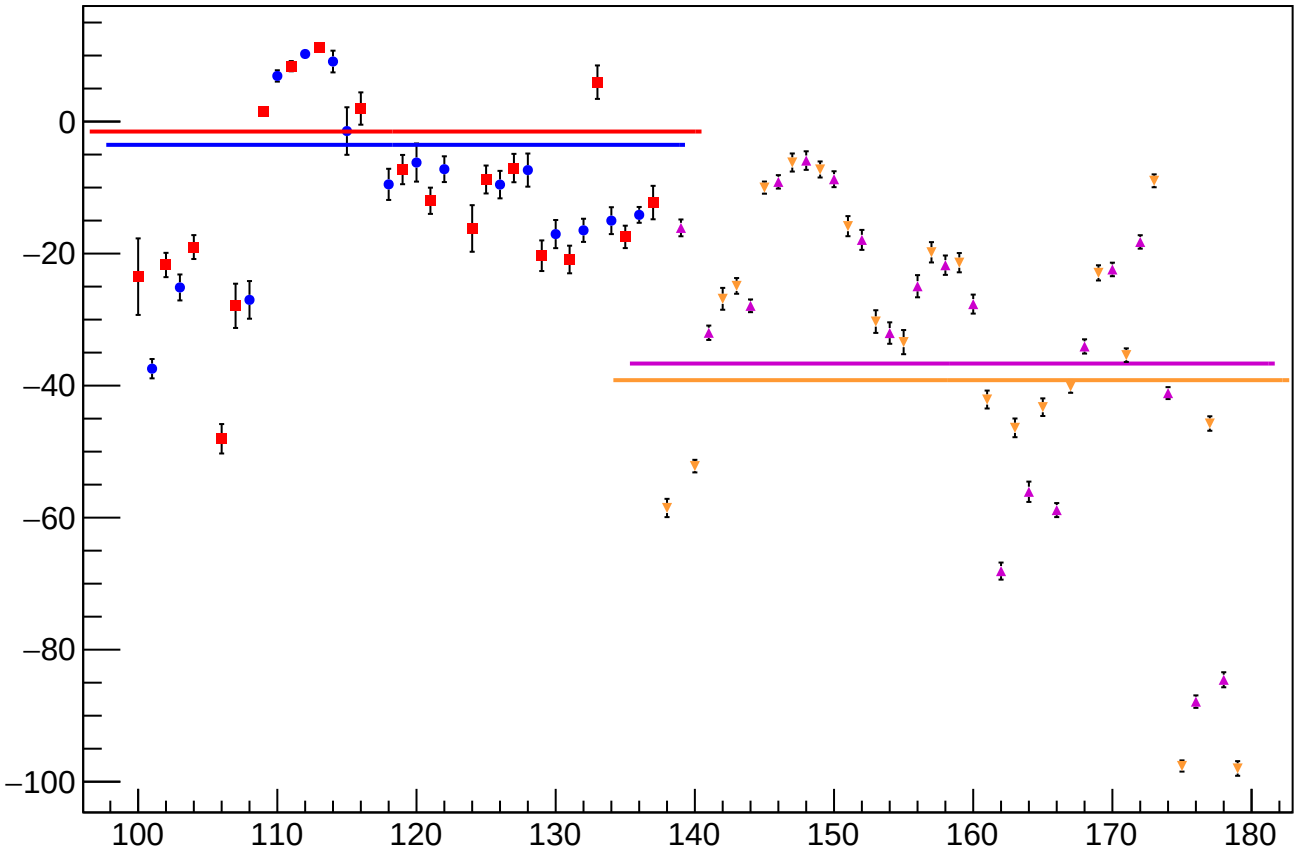
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -110.348+/-0.291 χ^2/NDF:3366.7/35

Out: -111.498+/-0.281 χ^2/NDF:2434.6/40

All: -110.943+/-0.202 χ^2/NDF: 5809.5/76


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 1.049+/-0.013 χ²/NDF:618.2/21
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 1.007+/-0.014 χ²/NDF:758.7/19
Left: 1.028+/-0.010 χ²/NDF: 1381.7/41
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.918+/-0.013 χ²/NDF:1298.9/35
Out: 0.951+/-0.013 χ²/NDF:1690.1/40
All: 0.935+/-0.009 χ²/NDF: 2992.3/76



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -39.175+/-0.254 χ^2/NDF:12212.9/21

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -36.657+/-0.262 χ^2/NDF:8890.4/19

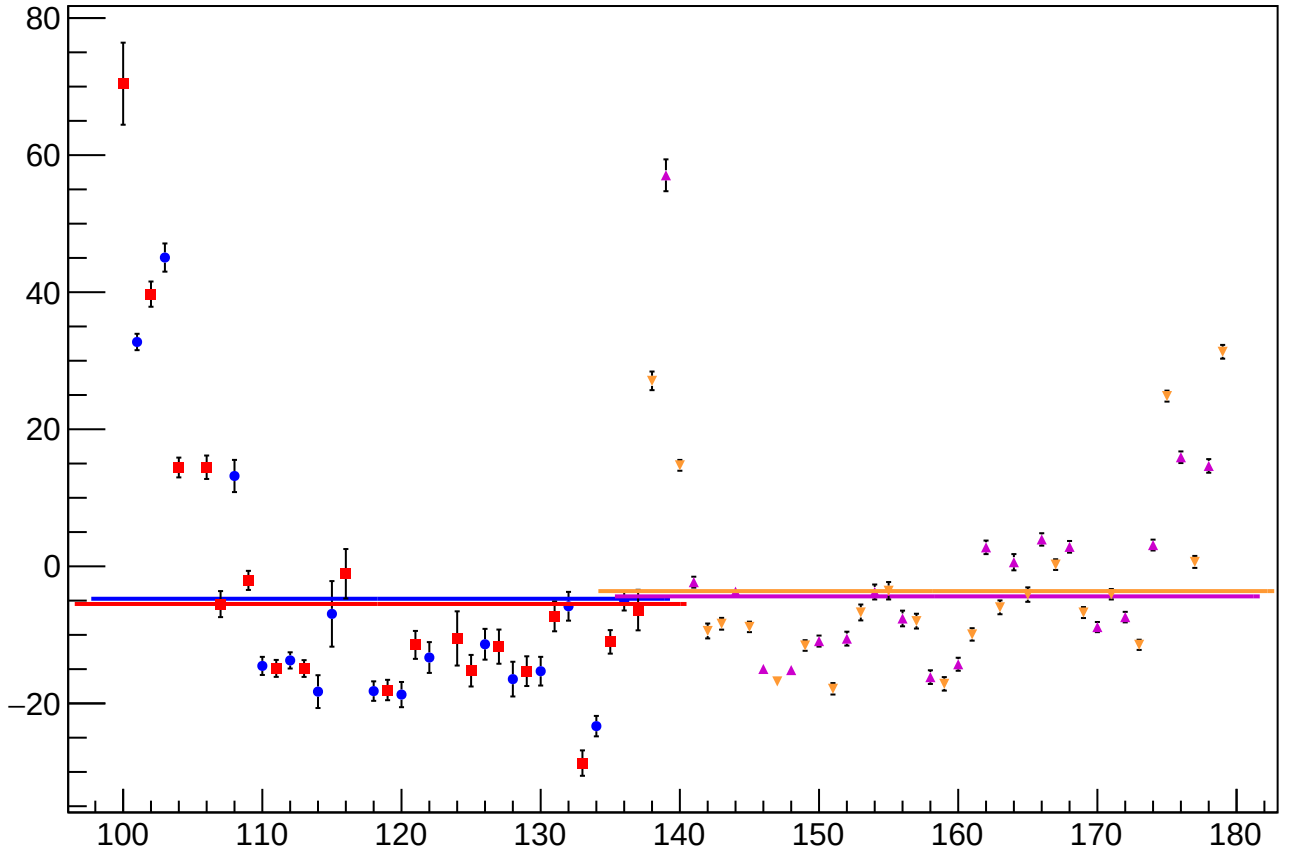
Left: -37.953+/-0.182 χ^2/NDF: 21150.9/41

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -25.871+/-0.215 χ^2/NDF:15634.2/35

Out: -25.589+/-0.203 χ^2/NDF:21653.5/40

All: -25.722+/-0.148 χ^2/NDF: 37288.6/76



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -3.613+/-0.187 χ^2/NDF:4889.4/21

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -4.383+/-0.194 χ^2/NDF:2926.7/19

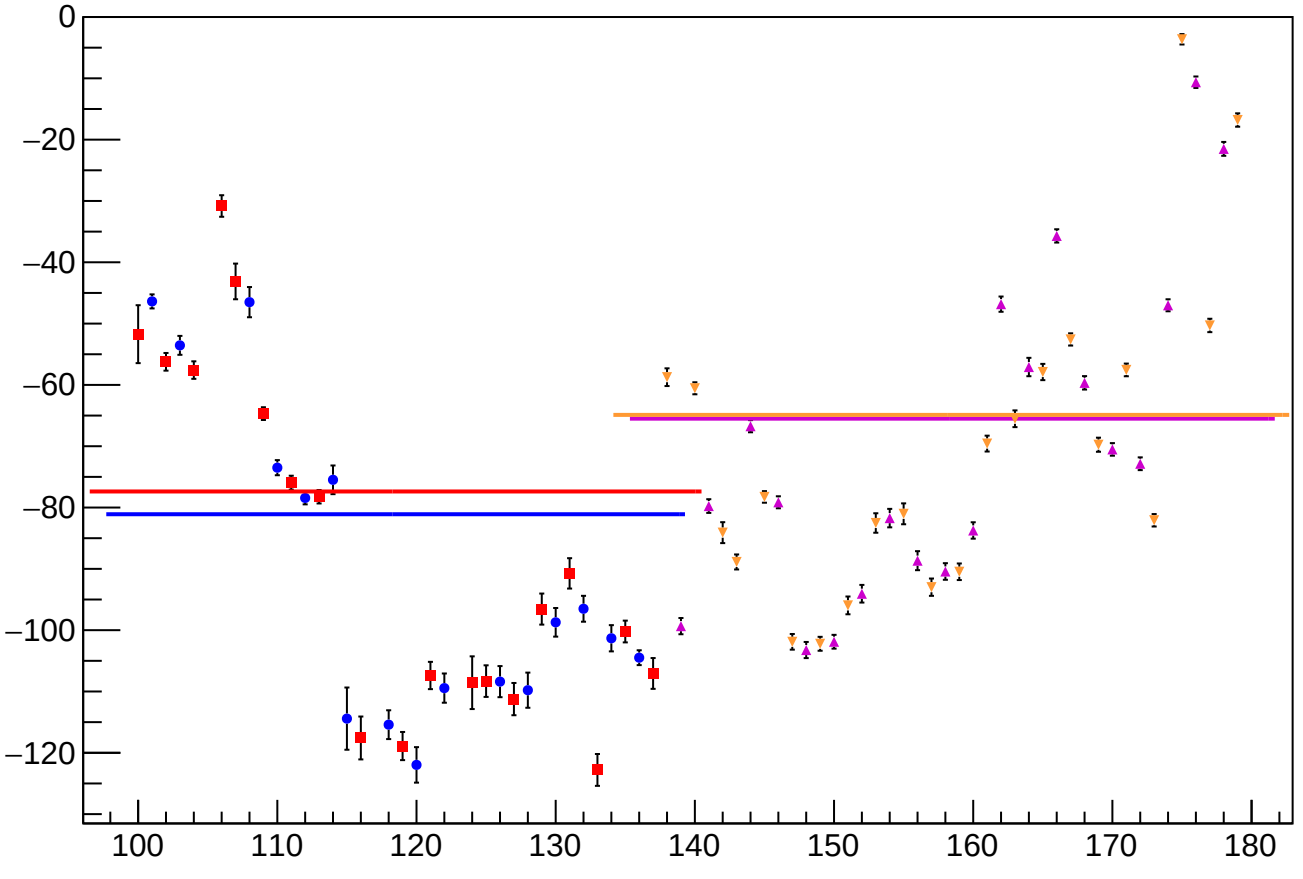
Left: -3.985+/-0.135 χ^2/NDF: 7824.3/41

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -4.441+/-0.177 χ^2/NDF:5075.3/35

Out: -3.921+/-0.171 χ^2/NDF:6414.5/40

All: -4.173+/-0.123 χ^2/NDF: 11494.2/76



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -64.889+/-0.252 χ^2/NDF:11962.0/21

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -65.503+/-0.259 χ^2/NDF:10570.6/19

Left: -65.187+/-0.181 χ^2/NDF: 22535.5/41

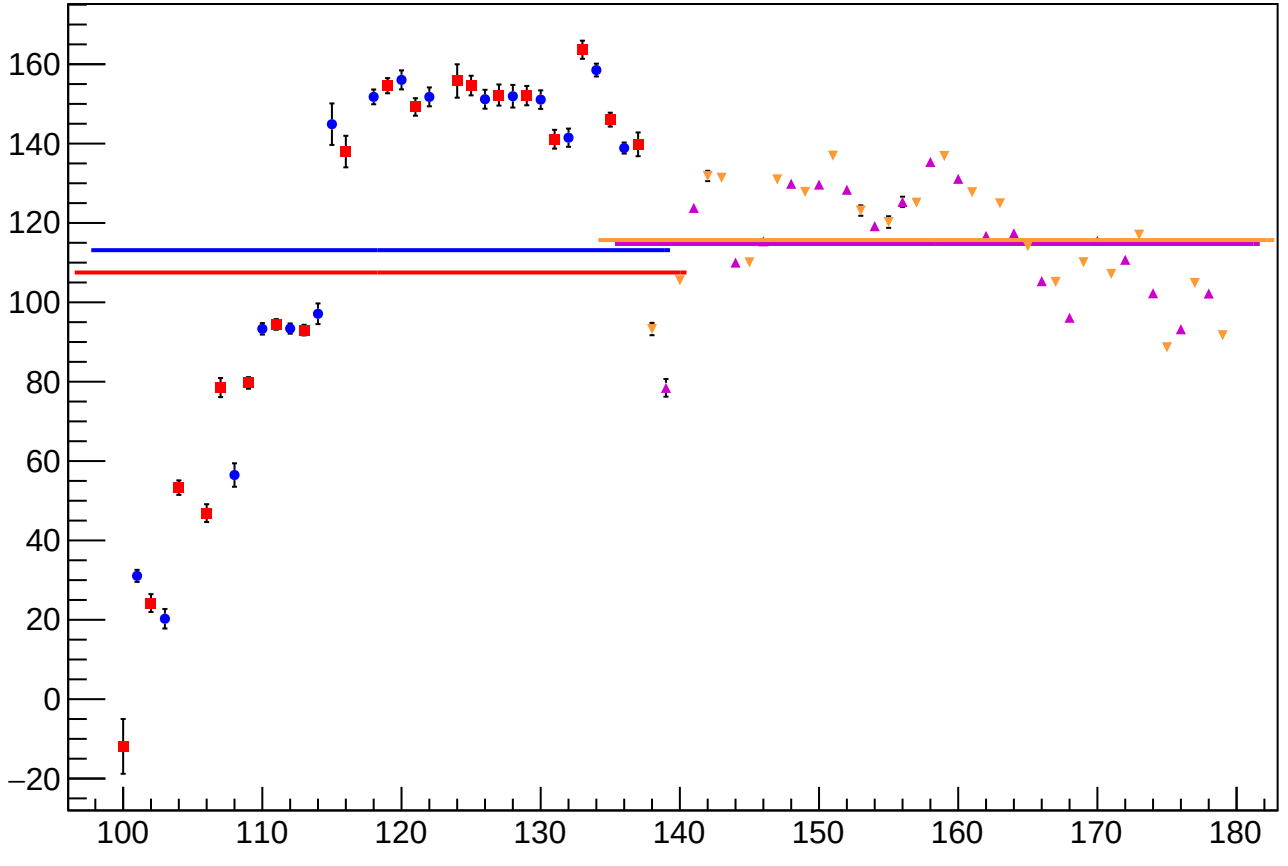
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -69.547+/-0.223 χ^2/NDF:14377.3/35

Out: -68.234+/-0.216 χ^2/NDF:15749.1/40

All: -68.868+/-0.155 χ^2/NDF: 30144.3/76

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 115.686+/-0.213 χ^2/NDF:4324.4/21

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 114.708+/-0.220 χ^2/NDF:3163.1/19

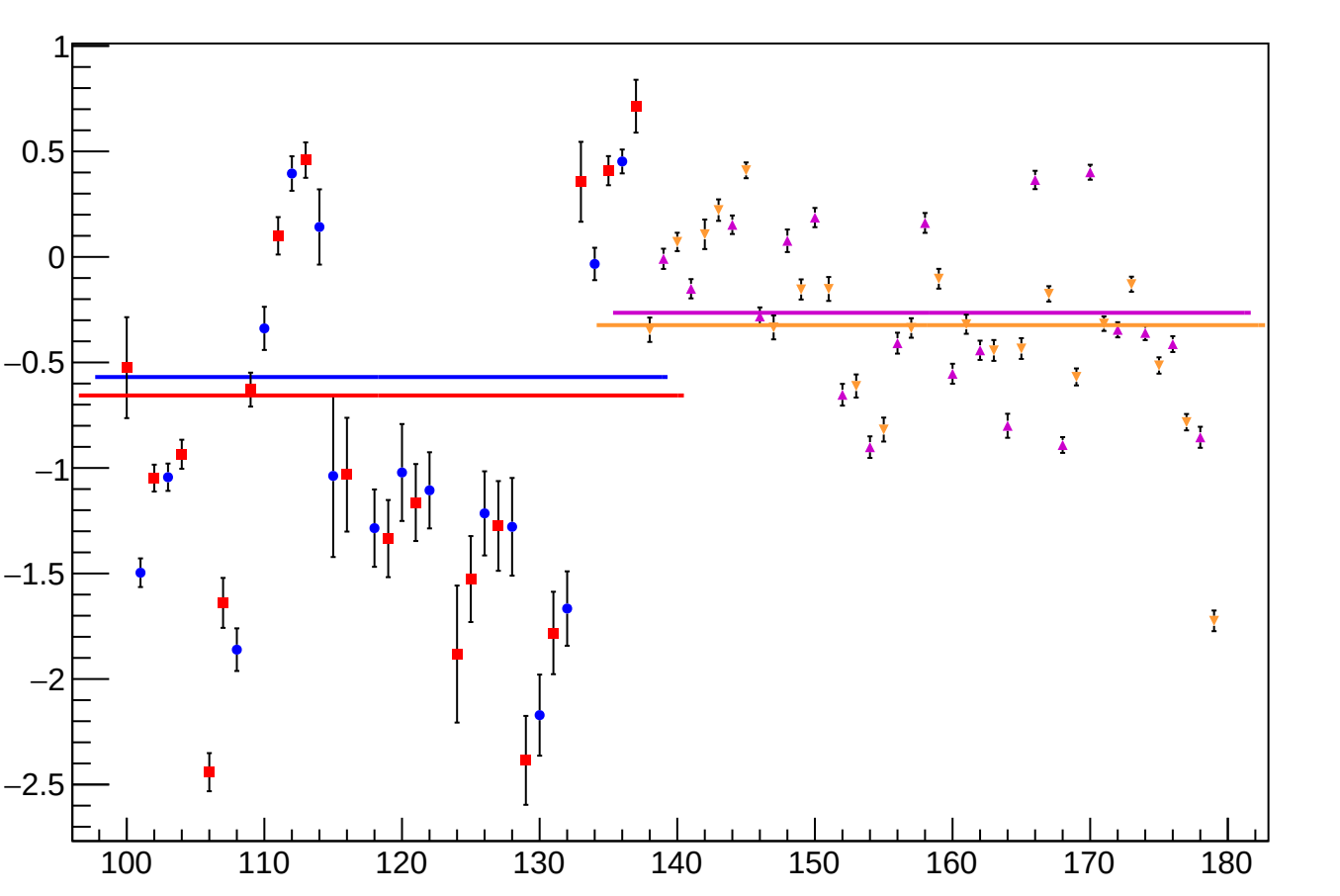
Left: 115.213+/-0.153 χ^2/NDF: 7497.7/41

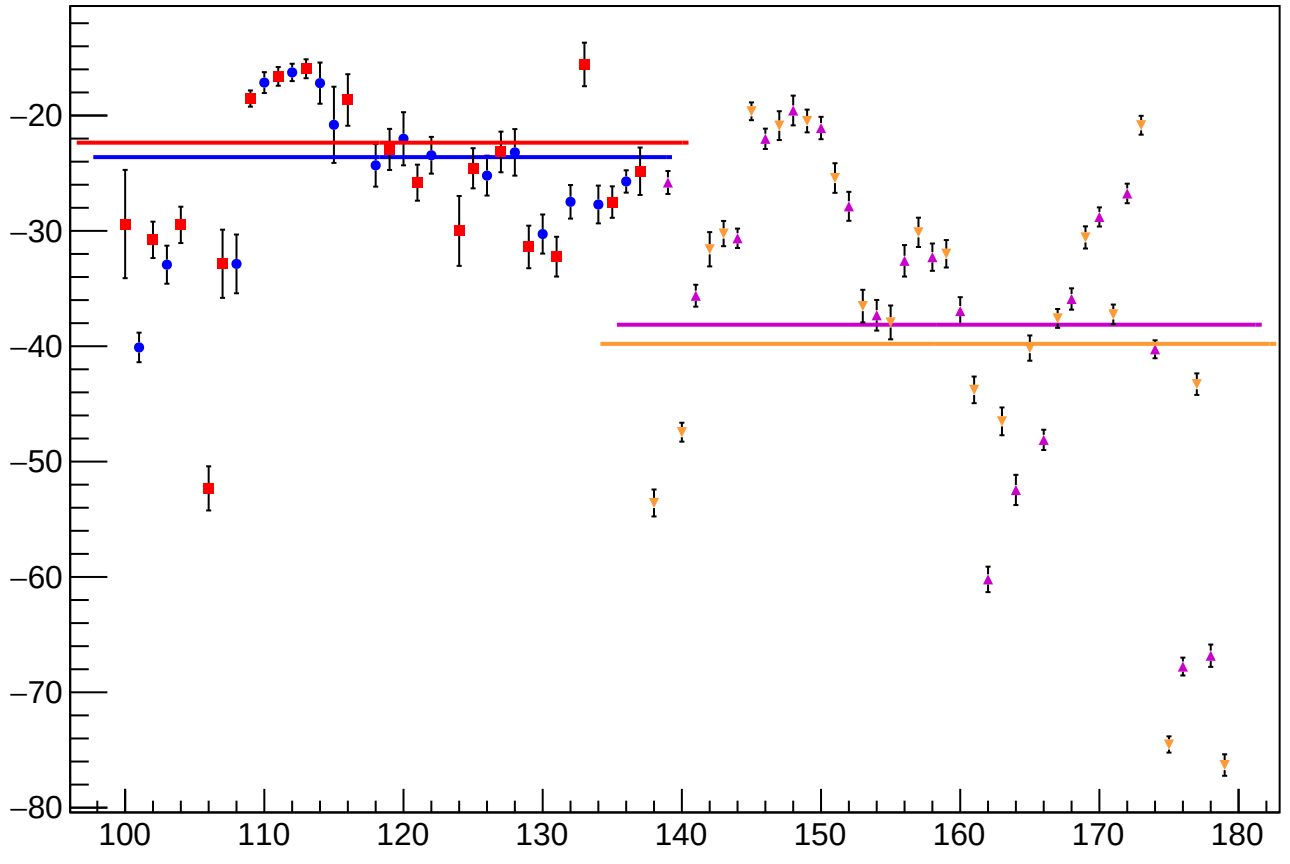
Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 114.446+/-0.200 χ^2/NDF:11375.7/35

Out: 114.342+/-0.194 χ^2/NDF:12111.2/40

All: 114.392+/-0.140 χ^2/NDF: 23487.0/76


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: -0.569+/-0.026 χ²/NDF: 1097.4/15
Left Out: -0.323+/-0.010 χ²/NDF:1845.8/21
Right Out: -0.656+/-0.025 χ²/NDF: 1315.2/18
Left In: -0.265+/-0.010 χ²/NDF:1719.5/19
Left: -0.294+/-0.007 χ²/NDF: 3583.5/41
Right: -0.614+/-0.018 χ²/NDF: 2418.5/34
In: -0.303+/-0.009 χ²/NDF:2938.7/35
Out: -0.365+/-0.009 χ²/NDF:3313.6/40
All: -0.335+/-0.006 χ²/NDF: 6276.1/76



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -39.794+/-0.214 χ^2/NDF:6539.0/21

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -38.134+/-0.220 χ^2/NDF:4511.5/19

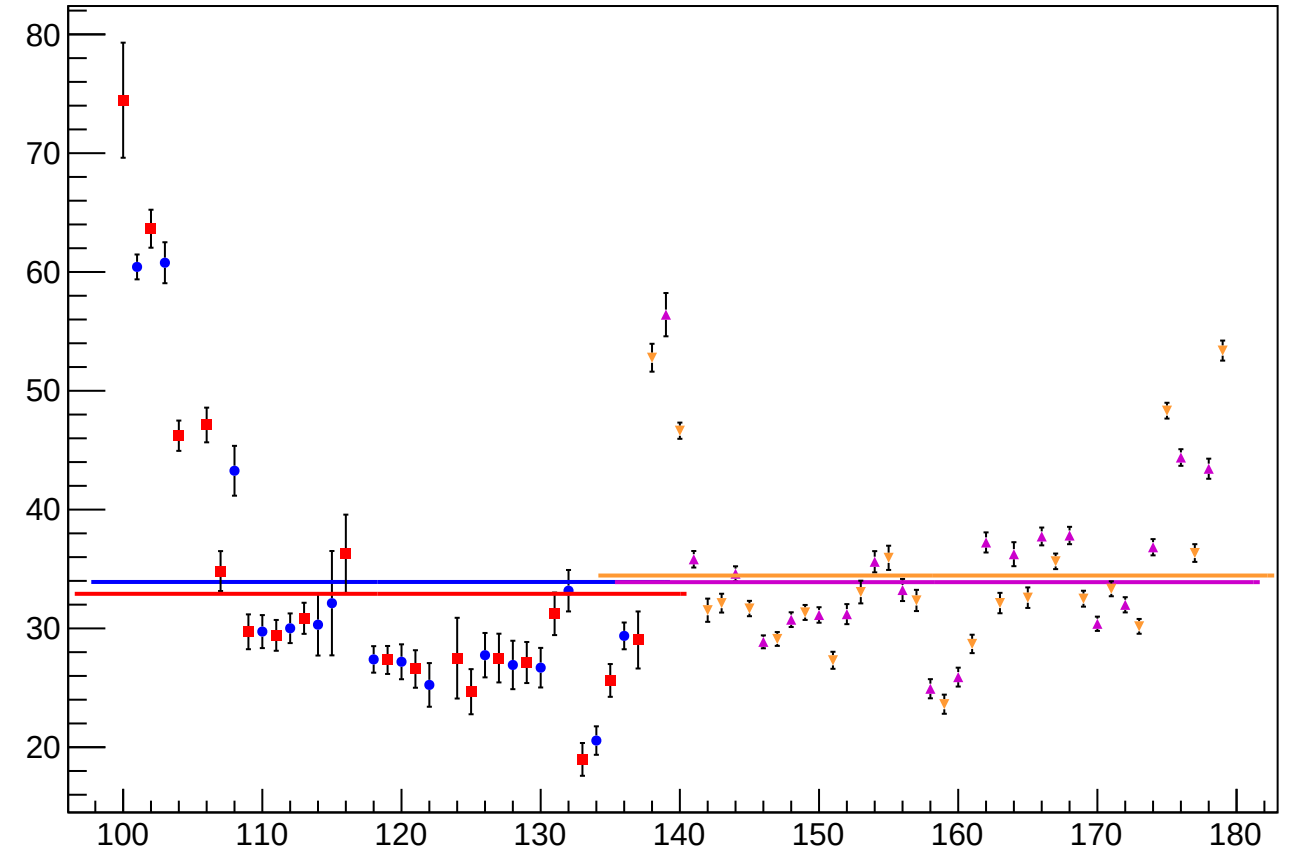
Left: -38.986+/-0.153 χ^2/NDF: 11079.8/41

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -34.001+/-0.186 χ^2/NDF:6162.6/35

Out: -34.444+/-0.178 χ^2/NDF:9127.3/40

All: -34.232+/-0.129 χ^2/NDF: 15292.8/76



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 34.451+/-0.159 χ^2/NDF:2071.7/21

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 33.893+/-0.164 χ^2/NDF:1020.2/19

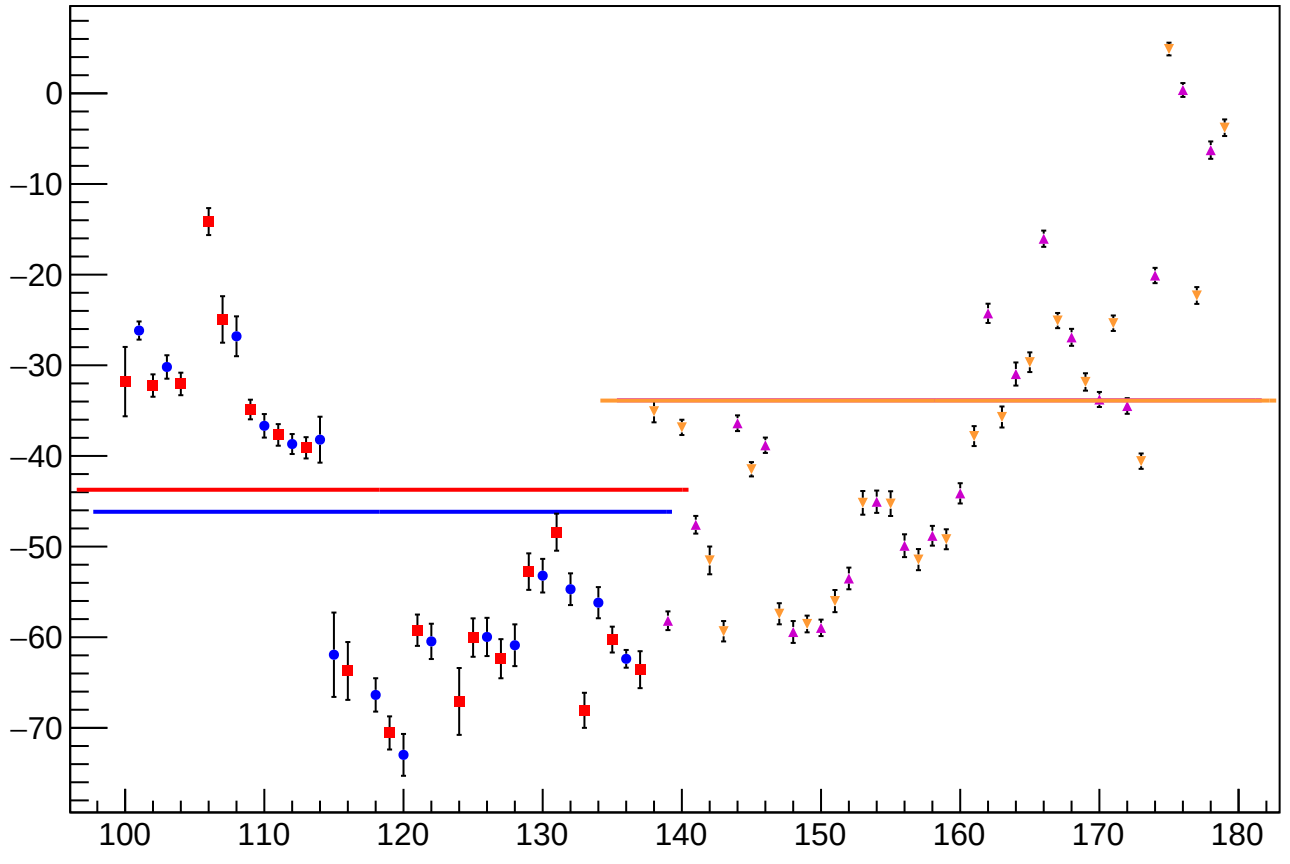
Left: 34.182+/-0.114 χ^2/NDF: 3097.8/41

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.896+/-0.151 χ^2/NDF:2204.6/35

Out: 34.215+/-0.146 χ^2/NDF:2961.1/40

All: 34.060+/-0.105 χ^2/NDF: 5168.0/76



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -33.893+/-0.212 χ^2/NDF:7352.1/21

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -33.865+/-0.218 χ^2/NDF:6432.3/19

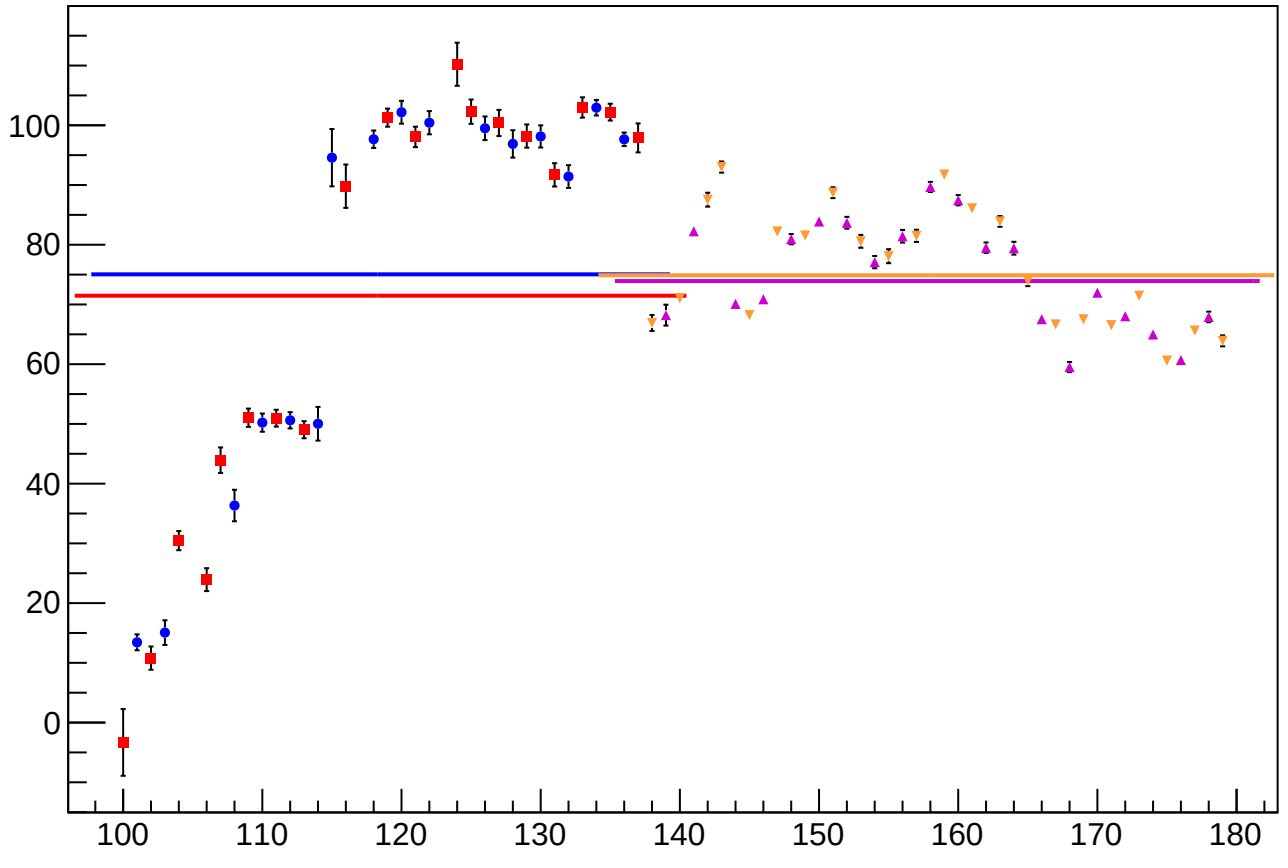
Left: -33.879+/-0.152 χ^2/NDF: 13784.3/41

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -36.786+/-0.190 χ^2/NDF:8680.4/35

Out: -36.245+/-0.185 χ^2/NDF:9530.0/40

All: -36.508+/-0.133 χ^2/NDF: 18214.5/76



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 74.897+/-0.180 χ^2/NDF:2879.5/21

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 73.922+/-0.185 χ^2/NDF:2161.8/19

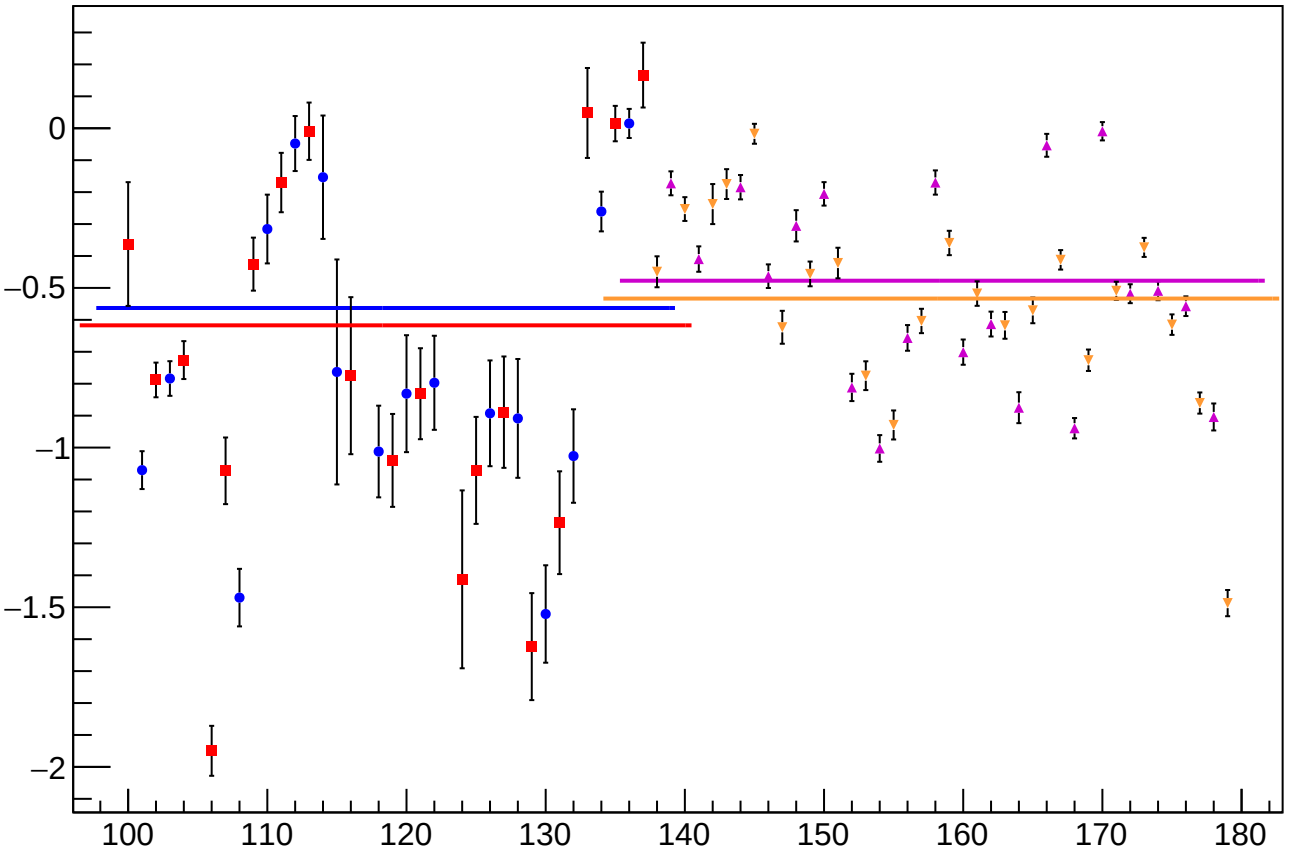
Left: 74.424+/-0.129 χ^2/NDF: 5055.5/41

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.099+/-0.170 χ^2/NDF:7995.9/35

Out: 74.378+/-0.166 χ^2/NDF:8562.7/40

All: 74.242+/-0.119 χ^2/NDF: 16559.9/76



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.533+/-0.008 χ^2/NDF:1282.2/21

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.477+/-0.008 χ^2/NDF:1339.5/19

Left: -0.506+/-0.006 χ^2/NDF: 2645.4/41

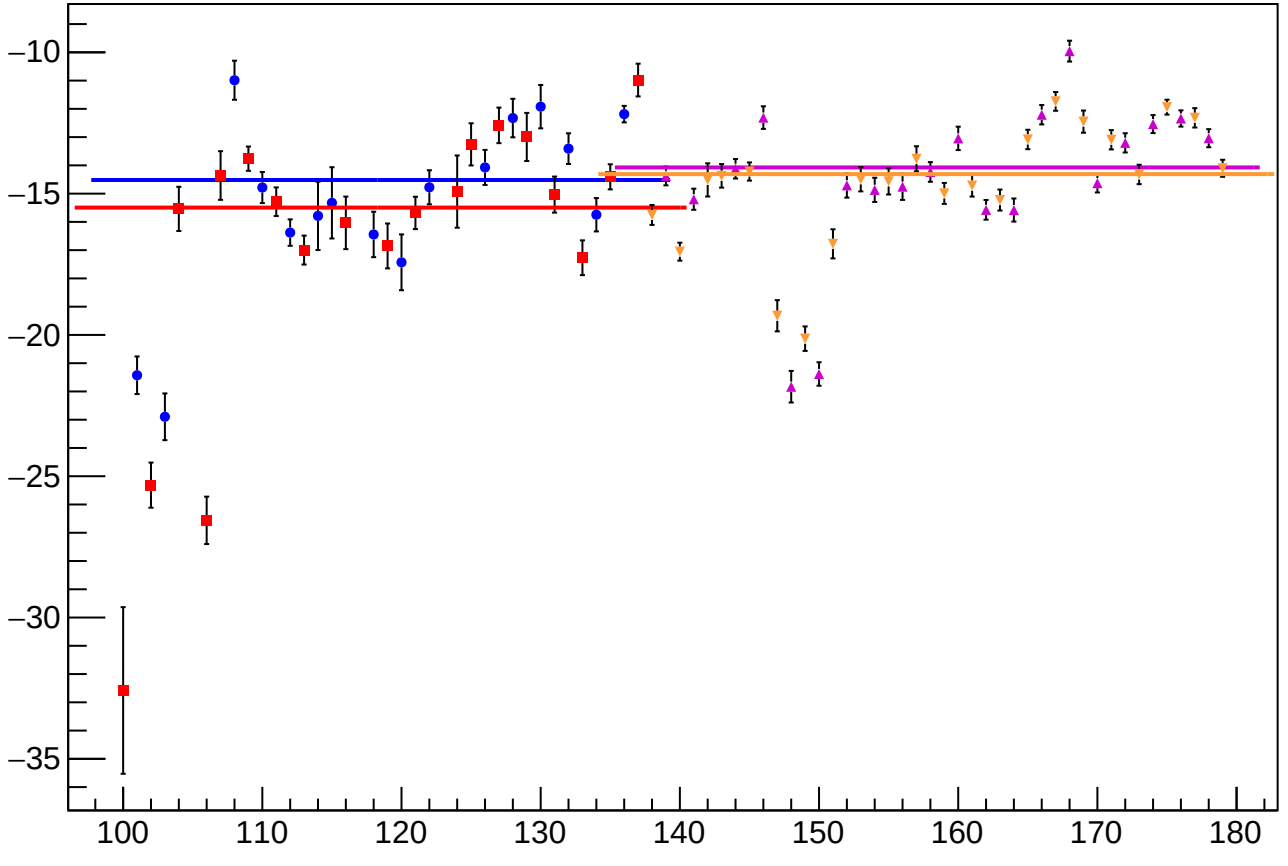
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.488+/-0.008 χ^2/NDF:1845.5/35

Out: -0.543+/-0.008 χ^2/NDF:1984.9/40

All: -0.516+/-0.005 χ^2/NDF: 3856.8/76

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.309+/-0.079 χ^2/NDF:613.0/21

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.073+/-0.082 χ^2/NDF:810.4/19

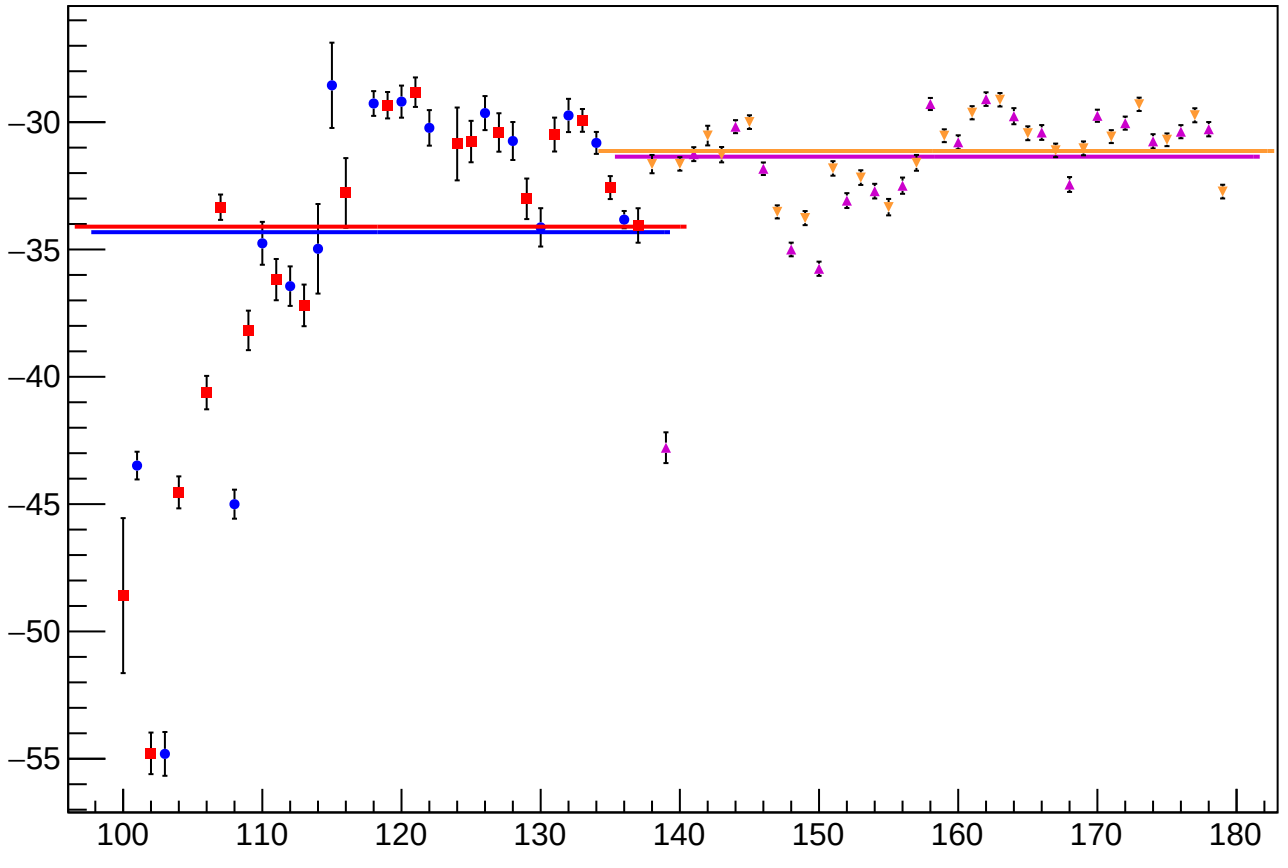
Left: -14.195+/-0.057 χ^2/NDF: 1427.7/41

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.176+/-0.072 χ^2/NDF:1180.6/35

Out: -14.567+/-0.070 χ^2/NDF:1165.7/40

All: -14.377+/-0.050 χ^2/NDF: 2361.5/76



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.132+/-0.059 χ^2/NDF:492.0/21

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.356+/-0.062 χ^2/NDF:1191.1/19

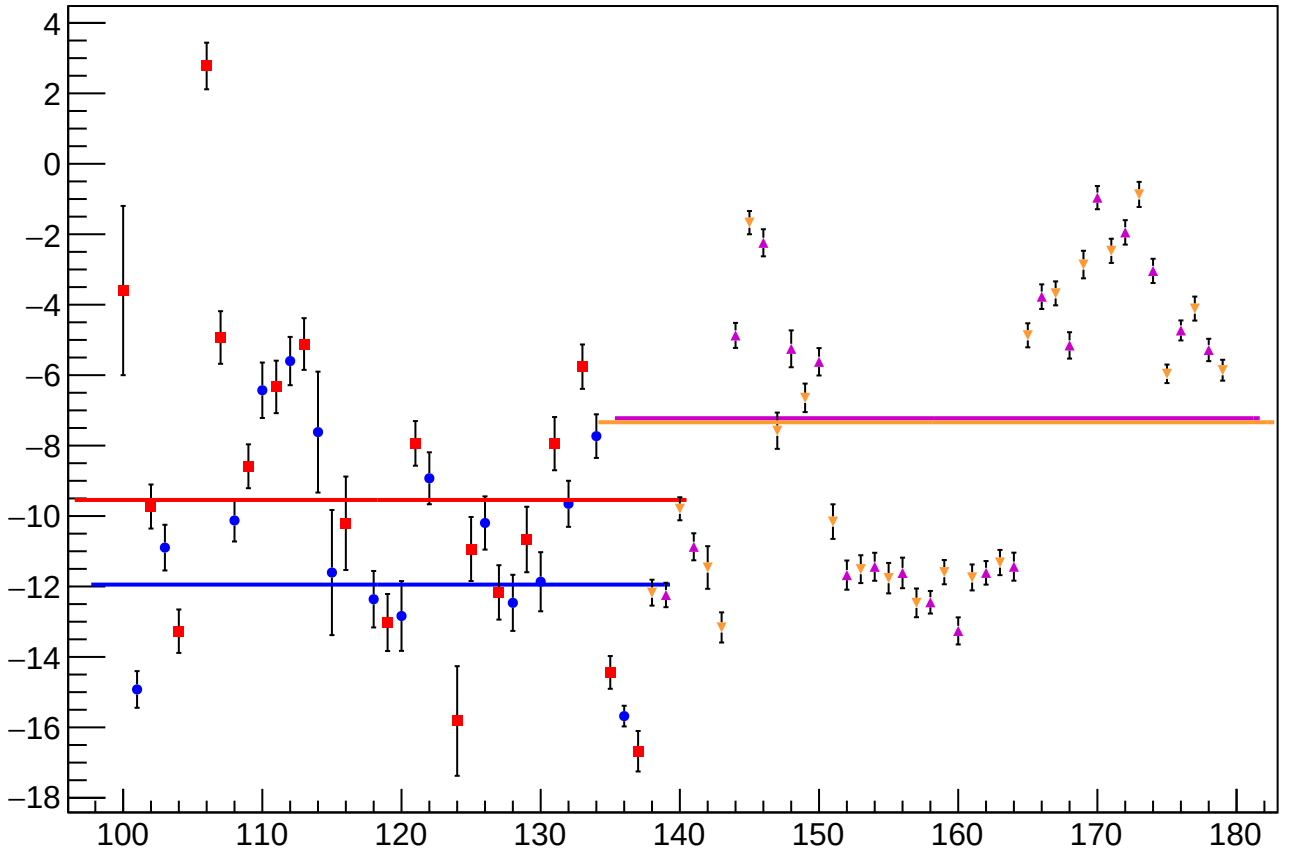
Left: -31.239+/-0.043 χ^2/NDF: 1689.9/41

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.774+/-0.058 χ^2/NDF:3133.2/35

Out: -31.515+/-0.055 χ^2/NDF:2250.6/40

All: -31.639+/-0.040 χ^2/NDF: 5394.2/76



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.337+/-0.078 χ^2/NDF:2556.5/21

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.222+/-0.081 χ^2/NDF:2652.7/19

Left: -7.282+/-0.056 χ^2/NDF: 5210.3/41

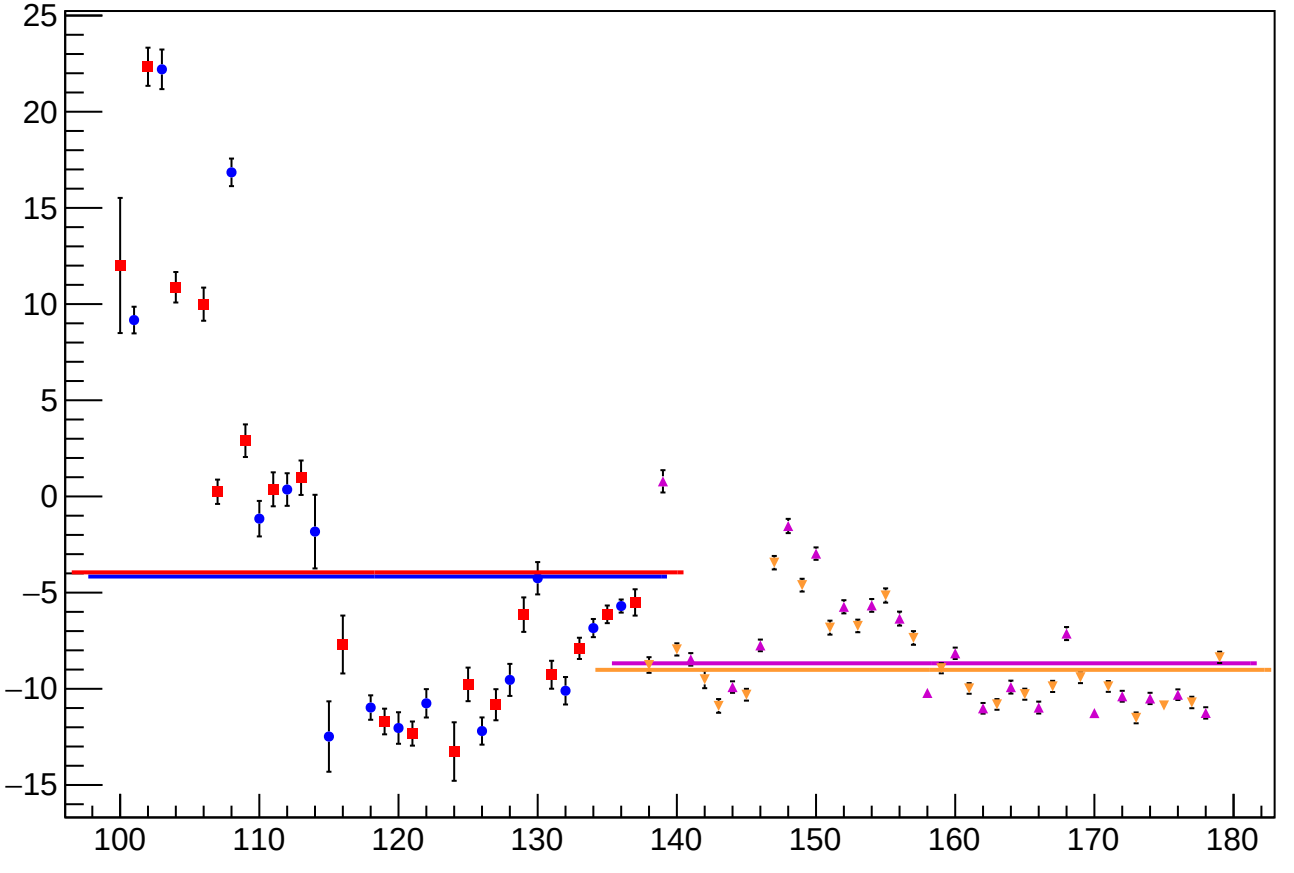
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.182+/-0.072 χ^2/NDF:3776.2/35

Out: -7.740+/-0.071 χ^2/NDF:3549.4/40

All: -7.956+/-0.050 χ^2/NDF: 7344.8/76

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.014+/-0.066 χ^2/NDF:960.4/21

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.674+/-0.069 χ^2/NDF:1660.1/19

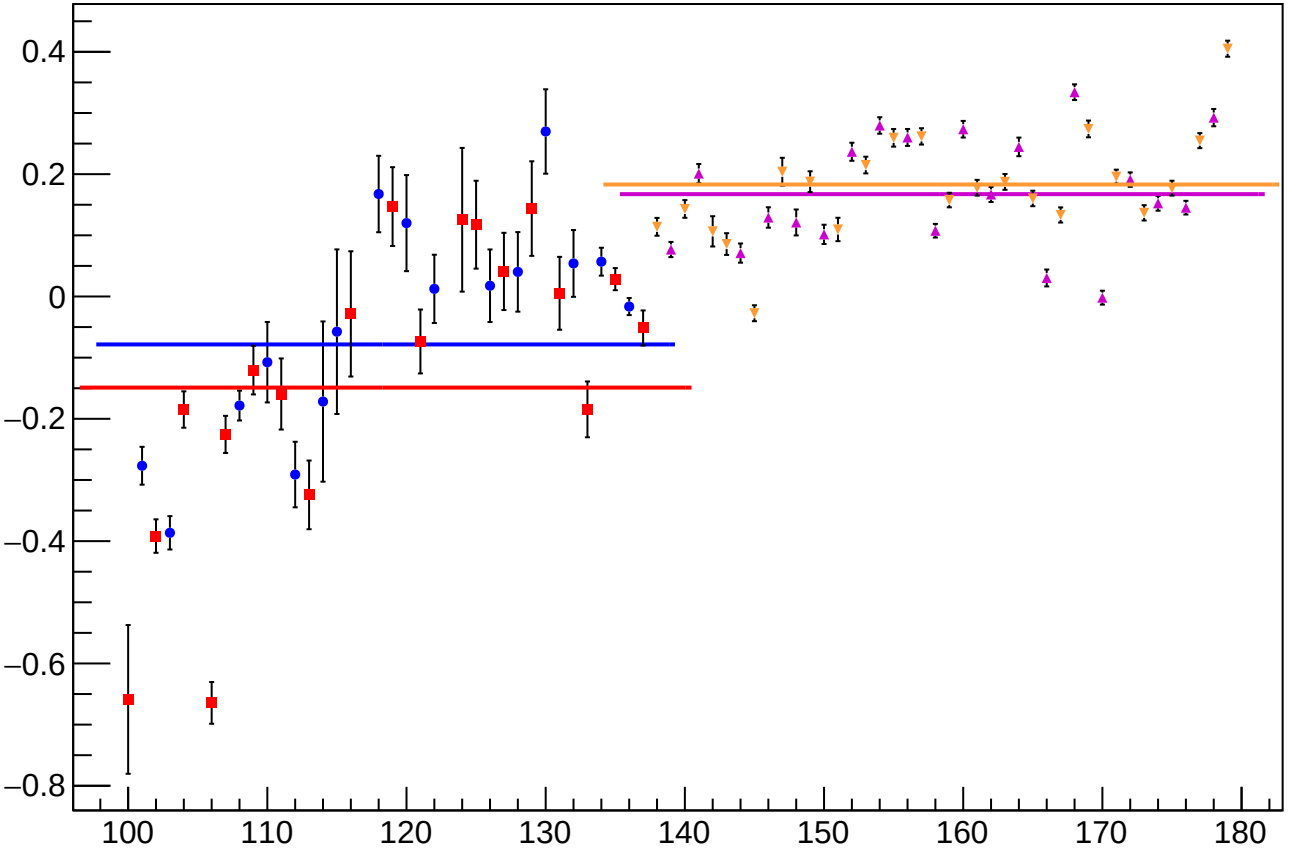
Left: -8.851+/-0.048 χ^2/NDF: 2633.1/41

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -8.044+/-0.064 χ^2/NDF:4777.5/35

Out: -8.382+/-0.062 χ^2/NDF:3795.9/40

All: -8.218+/-0.045 χ^2/NDF: 8587.6/76



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.183+/-0.003 χ^2/NDF:817.4/21

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.167+/-0.003 χ^2/NDF:951.2/19

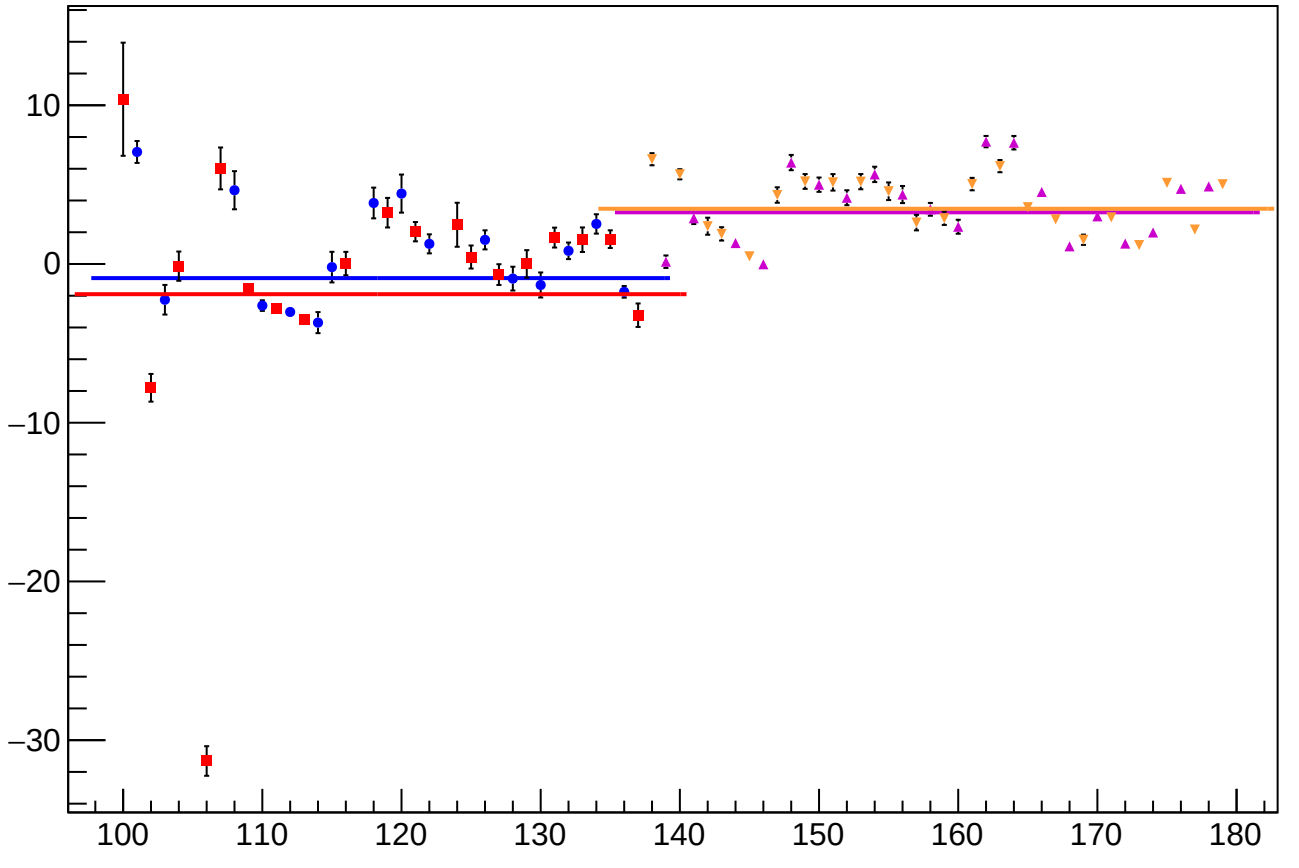
Left: 0.175+/-0.002 χ^2/NDF: 1782.5/41

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.140+/-0.003 χ^2/NDF:2001.6/35

Out: 0.151+/-0.003 χ^2/NDF:2552.7/40

All: 0.146+/-0.002 χ^2/NDF: 4561.8/76



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.481+/-0.072 χ^2/NDF:615.1/21

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.255+/-0.074 χ^2/NDF:812.8/19

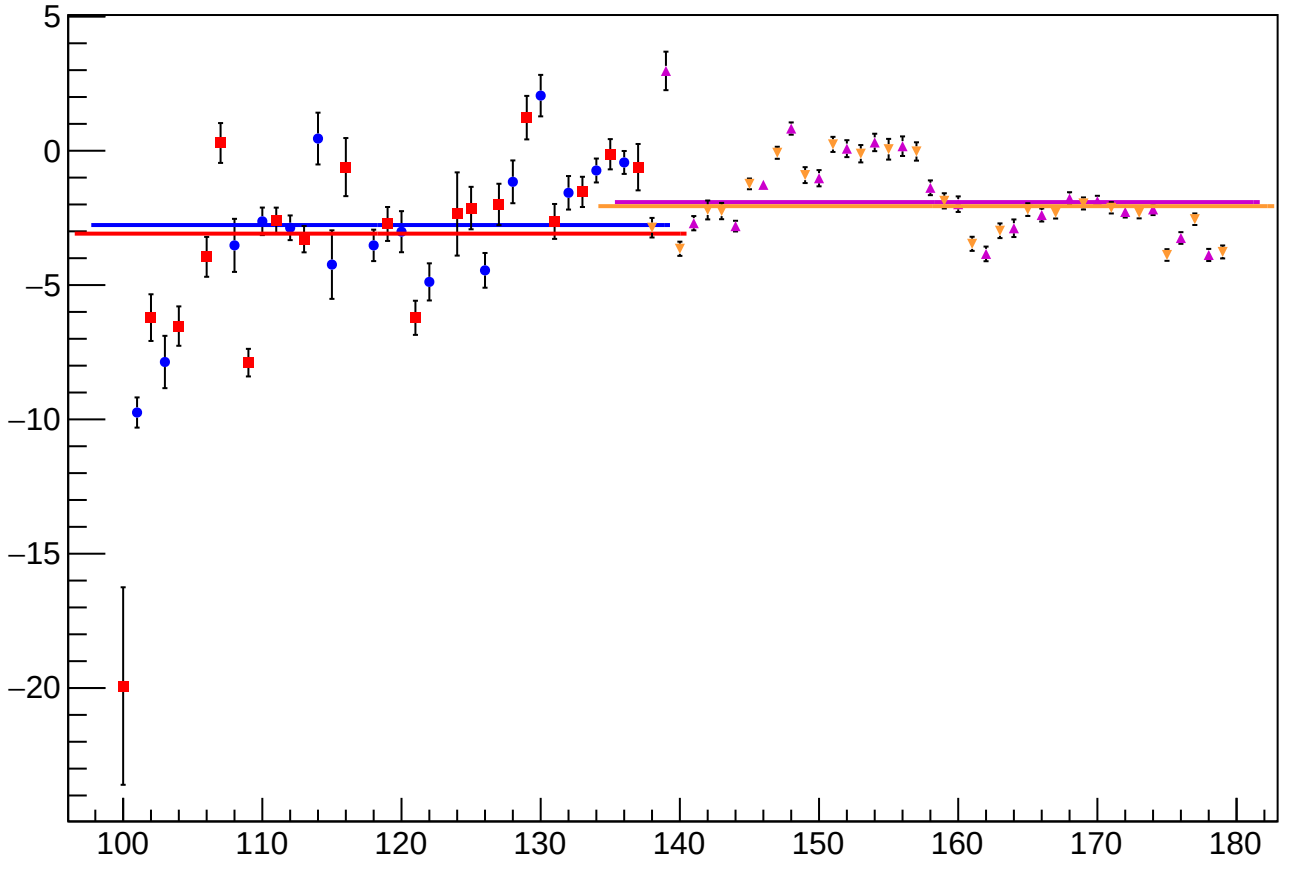
Left: 3.371+/-0.052 χ^2/NDF: 1432.6/41

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.313+/-0.065 χ^2/NDF:1904.3/35

Out: 2.183+/-0.063 χ^2/NDF:3282.1/40

All: 2.246+/-0.045 χ^2/NDF: 5188.5/76



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.063+/-0.054 χ^2/NDF:490.0/21

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.912+/-0.056 χ^2/NDF:545.8/19

Left: -1.989+/-0.039 χ^2/NDF: 1039.6/41

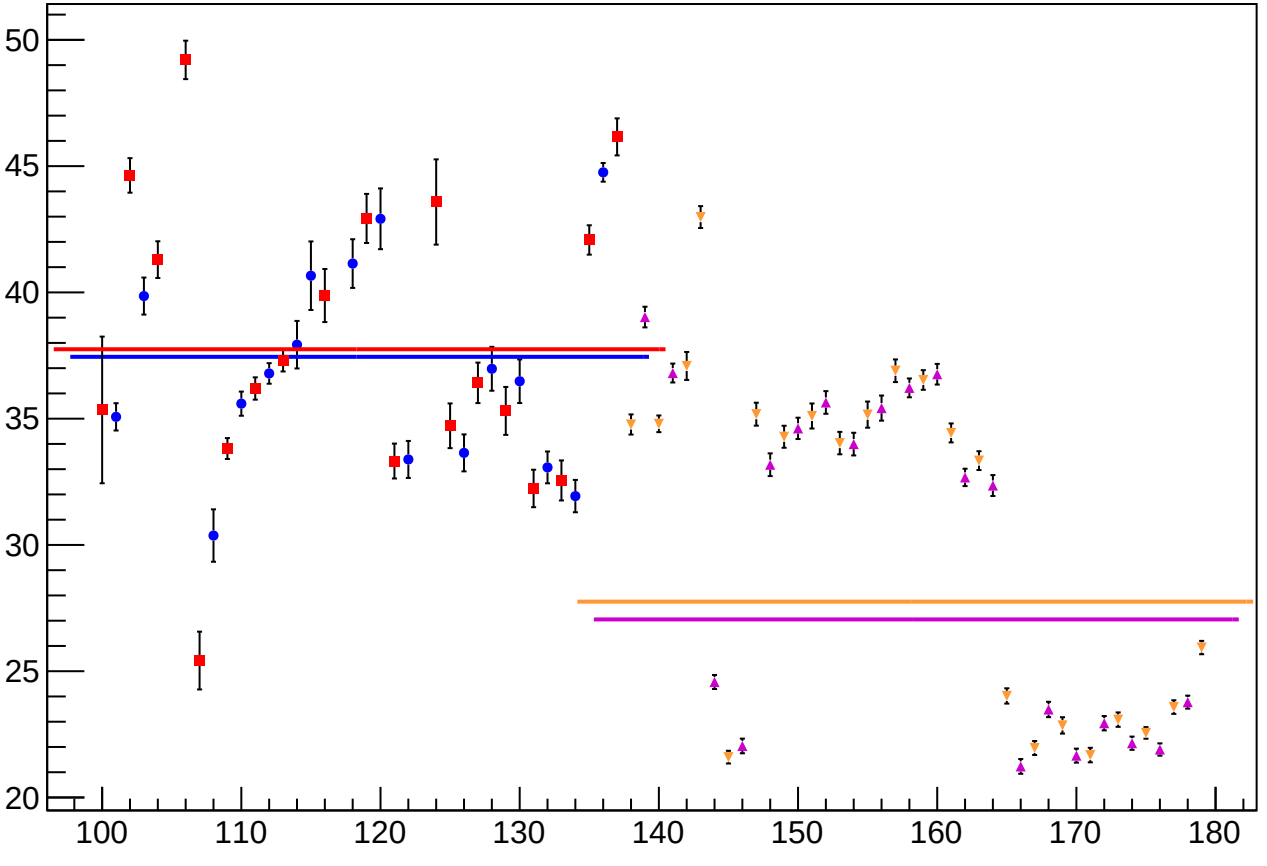
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.007+/-0.052 χ^2/NDF:882.4/35

Out: -2.171+/-0.051 χ^2/NDF:800.2/40

All: -2.091+/-0.037 χ^2/NDF: 1687.6/76

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 27.754+/-0.072 χ^2/NDF:7788.4/21

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.051+/-0.074 χ^2/NDF:6981.2/19

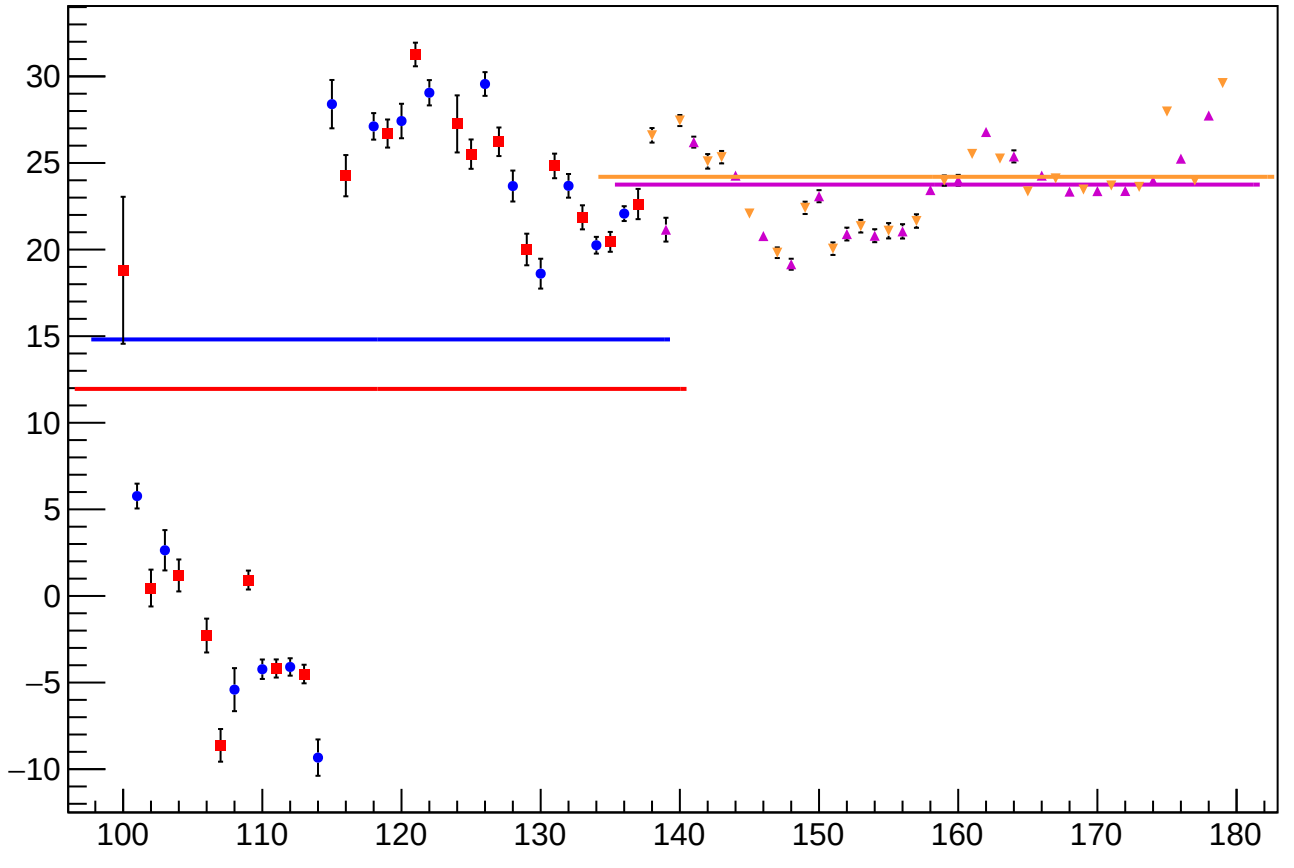
Left: 27.411+/-0.051 χ^2/NDF: 14816.4/41

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 28.856+/-0.067 χ^2/NDF:11147.2/35

Out: 29.445+/-0.066 χ^2/NDF:12018.2/40

All: 29.157+/-0.047 χ^2/NDF: 23204.7/76



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.202+/-0.061 χ^2/NDF:1515.0/21

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.752+/-0.062 χ^2/NDF:1109.5/19

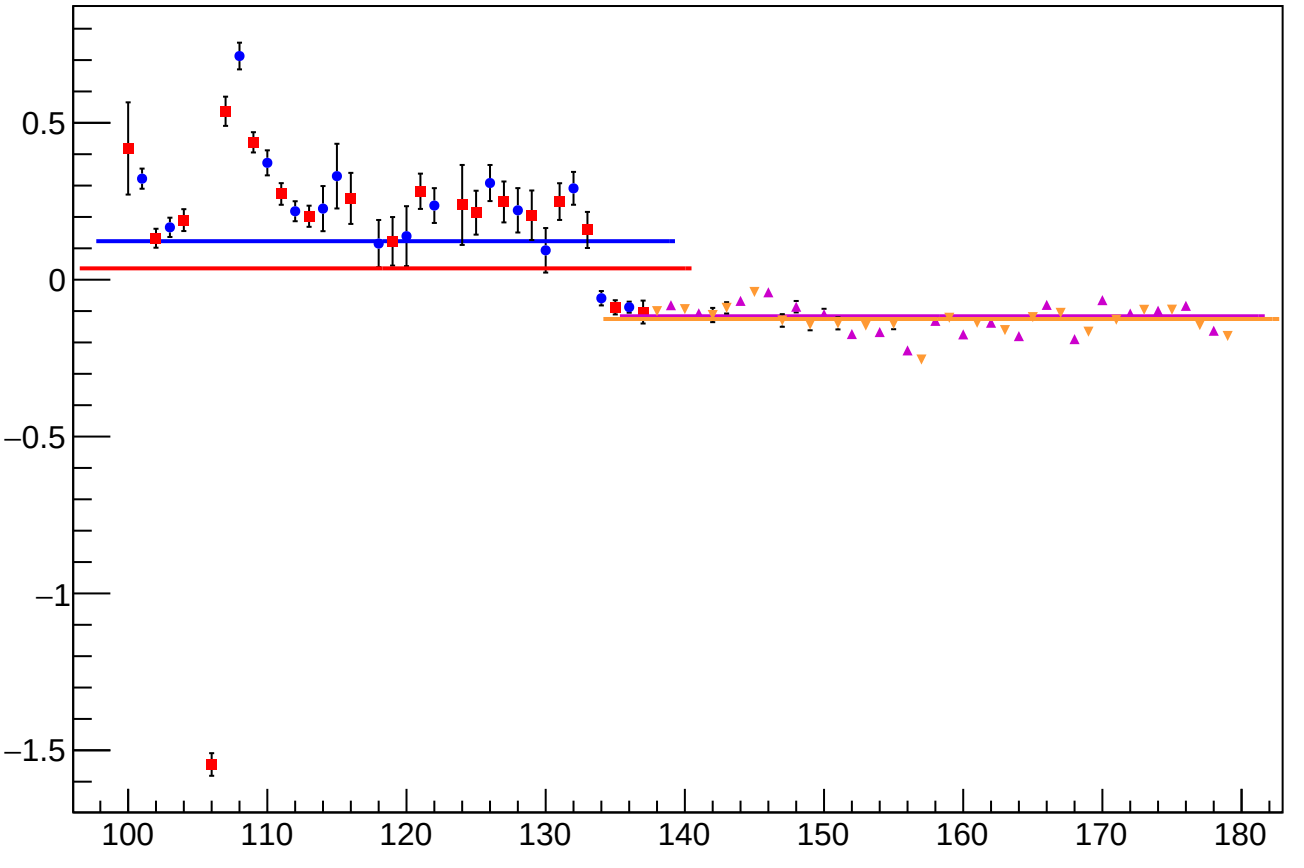
Left: 23.982+/-0.044 χ^2/NDF: 2651.0/41

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.731+/-0.059 χ^2/NDF:9137.4/35

Out: 22.901+/-0.058 χ^2/NDF:11907.8/40

All: 22.818+/-0.041 χ^2/NDF: 21049.5/76



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.125+/-0.003 χ^2/NDF:233.1/21

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.117+/-0.003 χ^2/NDF:289.0/19

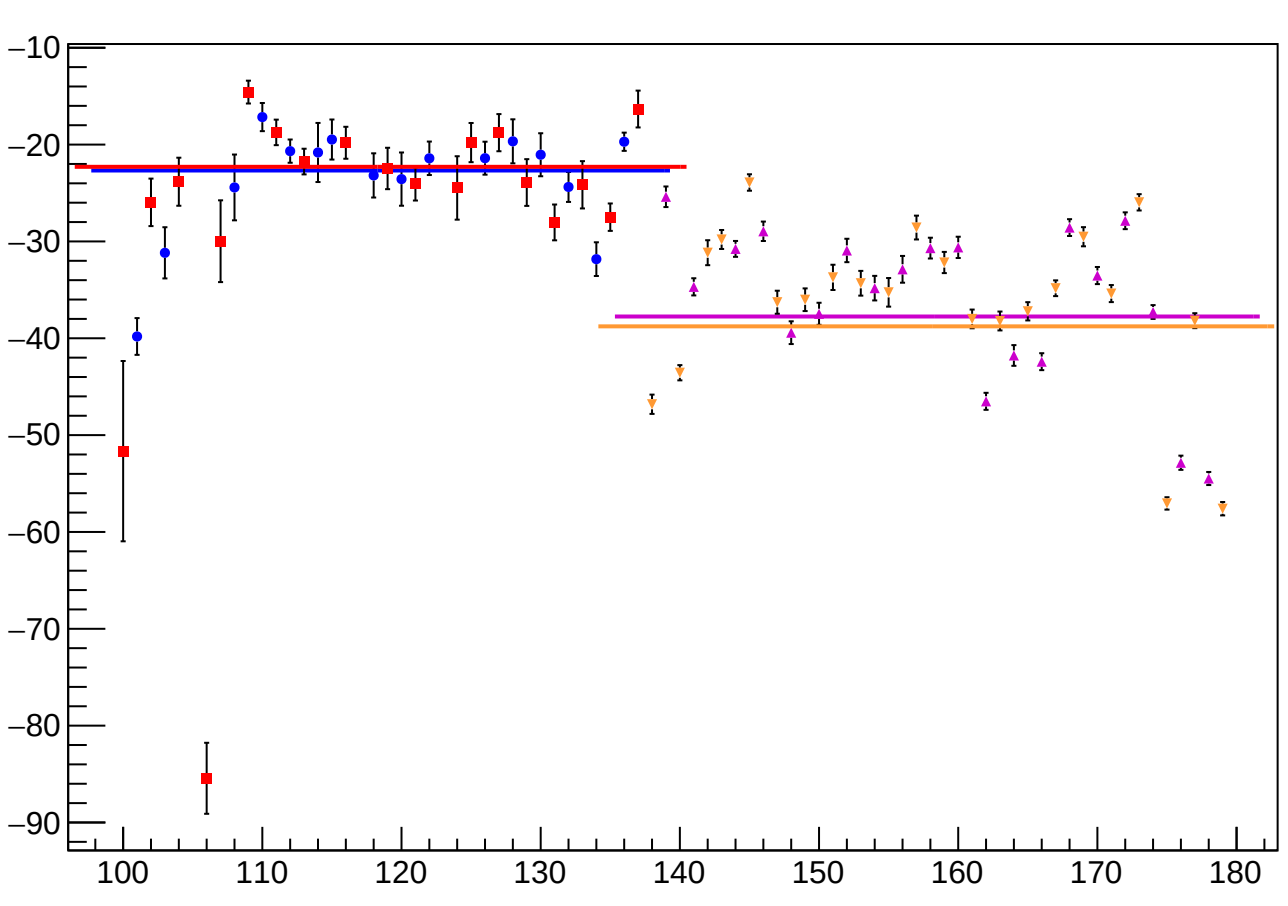
Left: -0.121+/-0.002 χ^2/NDF: 527.1/41

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.097+/-0.003 χ^2/NDF:1404.0/35

Out: -0.114+/-0.003 χ^2/NDF:2900.6/40

All: -0.106+/-0.002 χ^2/NDF: 4323.2/76



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -38.770+/-0.200 χ^2/NDF:2592.1/21

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -37.752+/-0.208 χ^2/NDF:1878.0/19

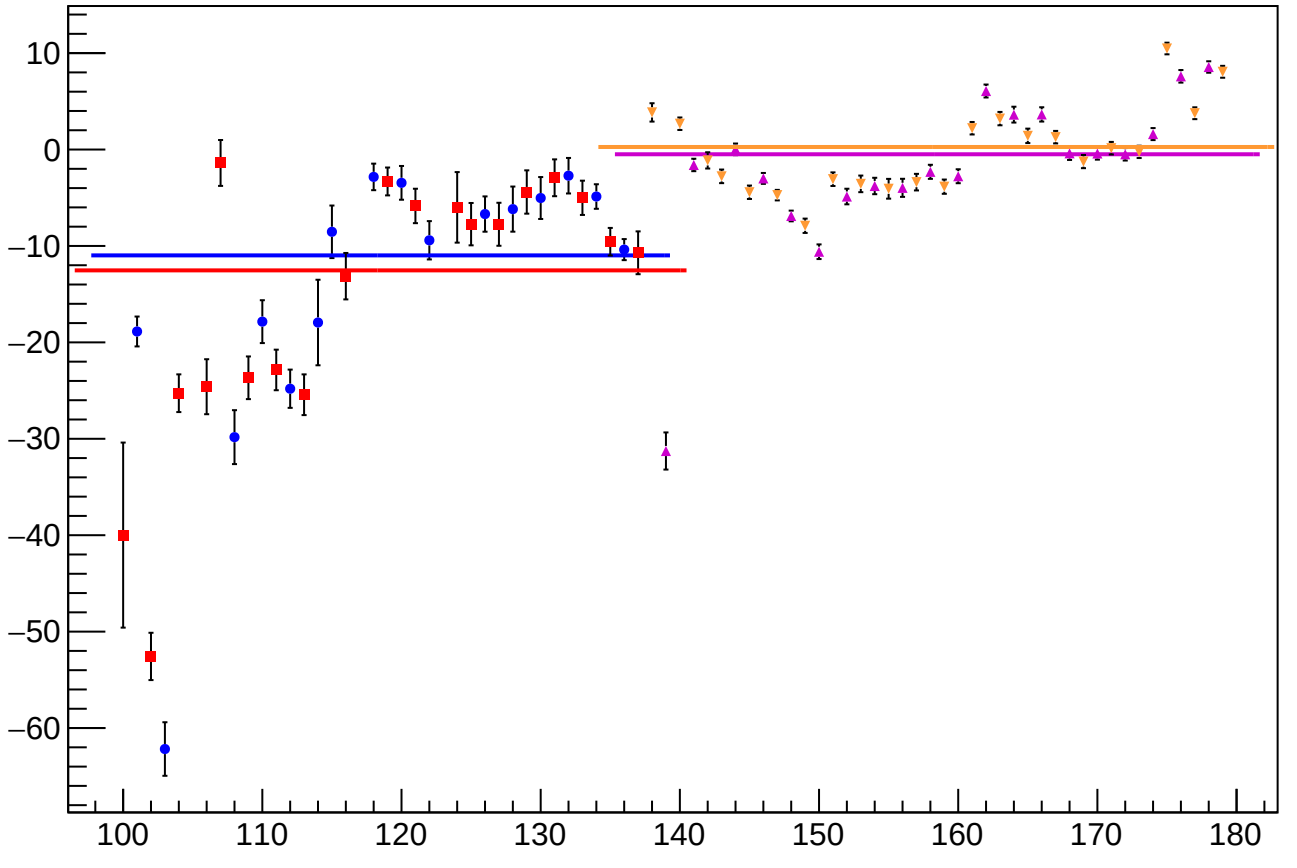
Left: -38.280+/-0.144 χ^2/NDF: 4482.5/41

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -34.939+/-0.188 χ^2/NDF:3011.7/35

Out: -35.890+/-0.182 χ^2/NDF:4180.3/40

All: -35.429+/-0.131 χ^2/NDF: 7205.2/76



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 0.265+/-0.149 χ^2/NDF:922.9/21

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -0.491+/-0.155 χ^2/NDF:1211.9/19

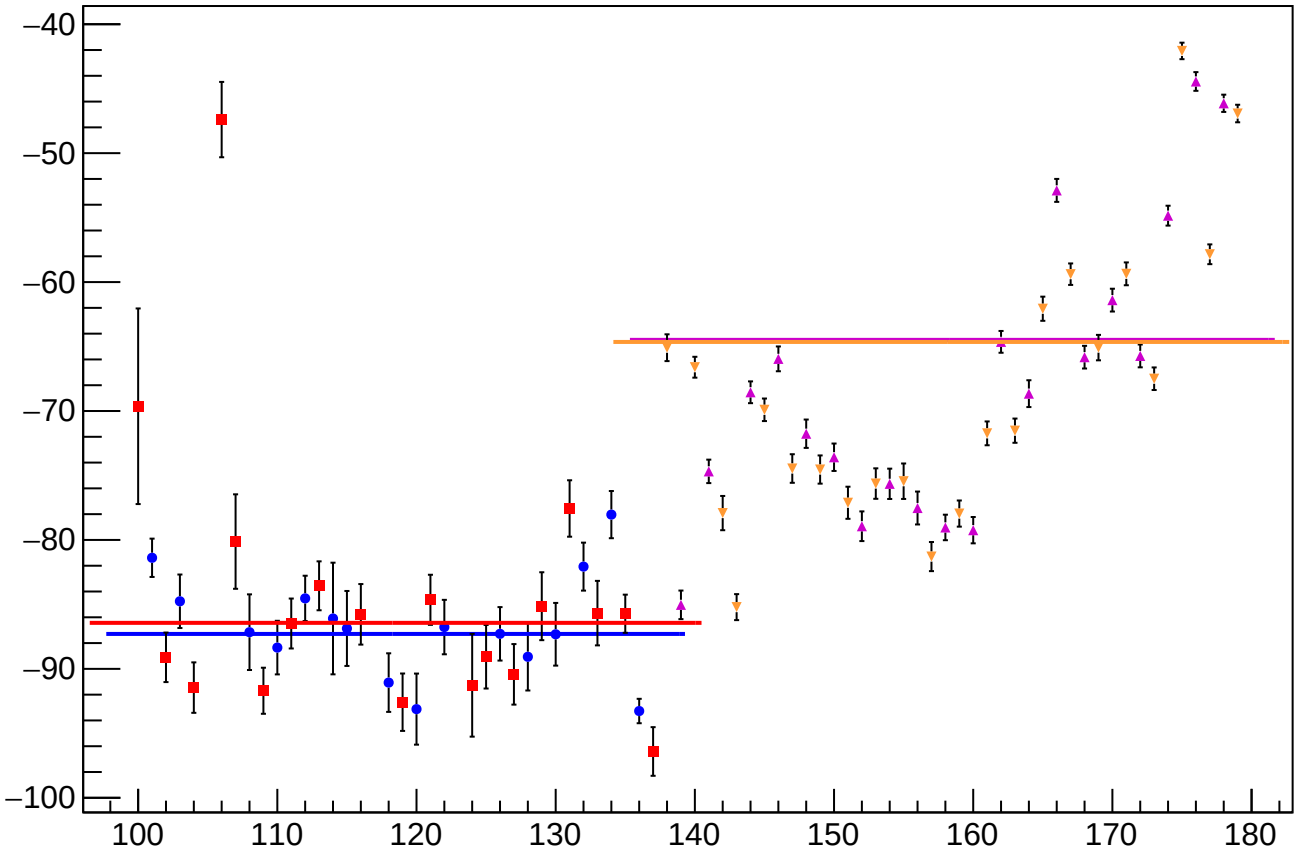
Left: -0.097+/-0.107 χ^2/NDF: 2147.2/41

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -1.589+/-0.147 χ^2/NDF:2278.3/35

Out: -0.852+/-0.142 χ^2/NDF:2141.1/40

All: -1.209+/-0.102 χ^2/NDF: 4432.4/76



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -64.643+/-0.198 χ^2/NDF:3564.4/21

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -64.481+/-0.206 χ^2/NDF:3263.9/19

Left: -64.565+/-0.143 χ^2/NDF: 6828.6/41

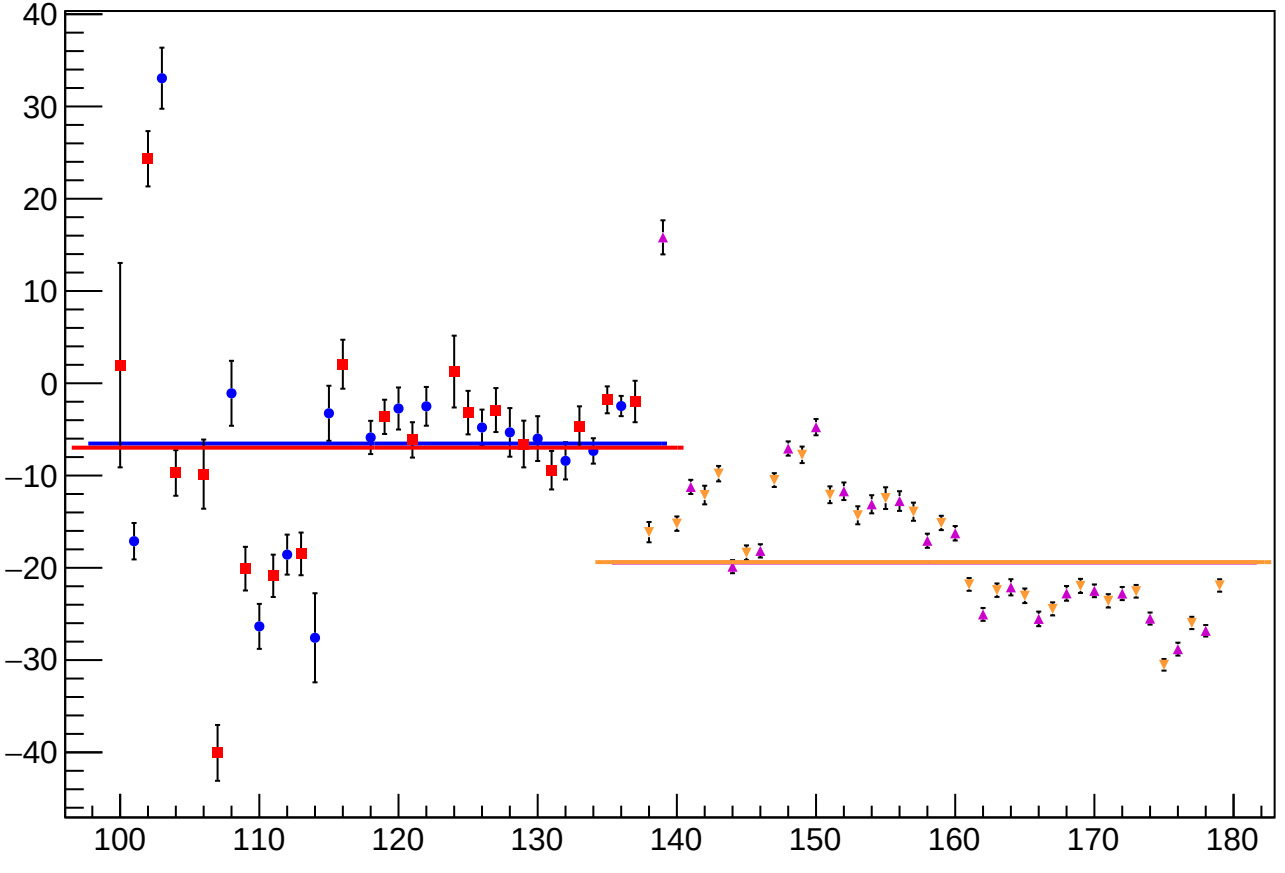
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -68.025+/-0.189 χ^2/NDF:5267.7/35

Out: -67.547+/-0.185 χ^2/NDF:5436.6/40

All: -67.780+/-0.132 χ^2/NDF: 10707.6/76

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -19.383+/-0.168 χ^2/NDF:1308.7/21

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -19.428+/-0.175 χ^2/NDF:1785.3/19

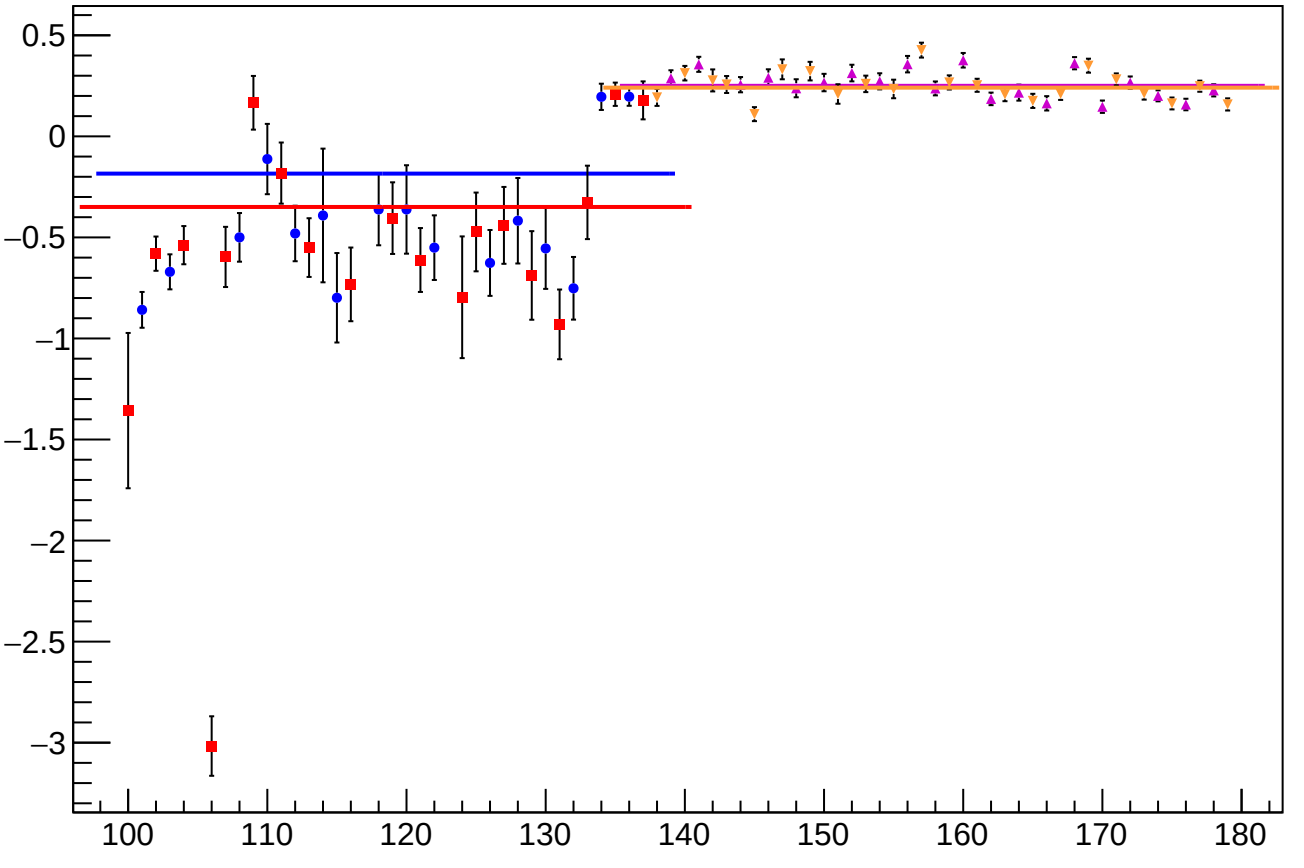
Left: -19.404+/-0.121 χ^2/NDF: 3094.0/41

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -18.062+/-0.165 χ^2/NDF:2675.4/35

Out: -18.294+/-0.161 χ^2/NDF:2155.3/40

All: -18.181+/-0.115 χ^2/NDF: 4831.7/76



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.241+/-0.008 χ^2/NDF:86.1/21

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.250+/-0.008 χ^2/NDF:82.8/19

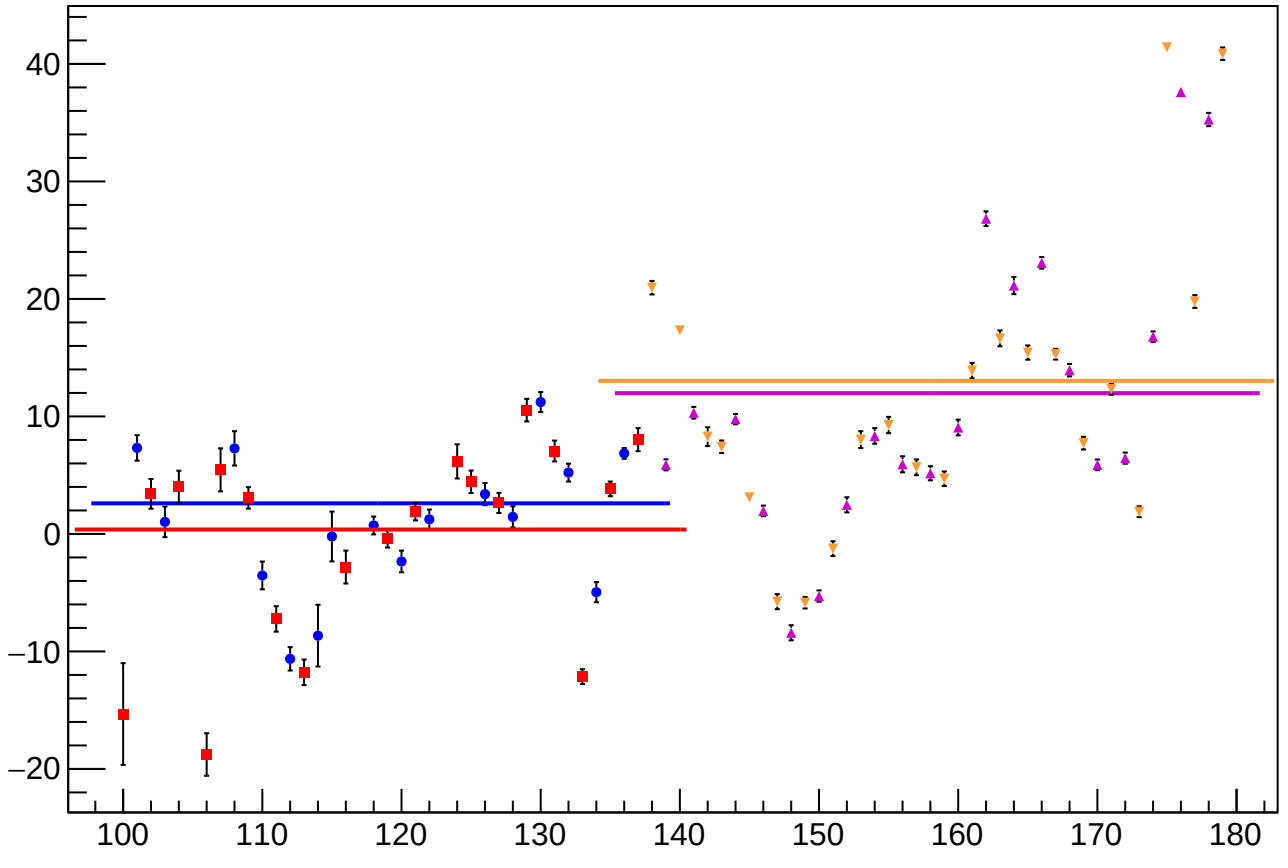
Left: 0.245+/-0.005 χ^2/NDF: 169.6/41

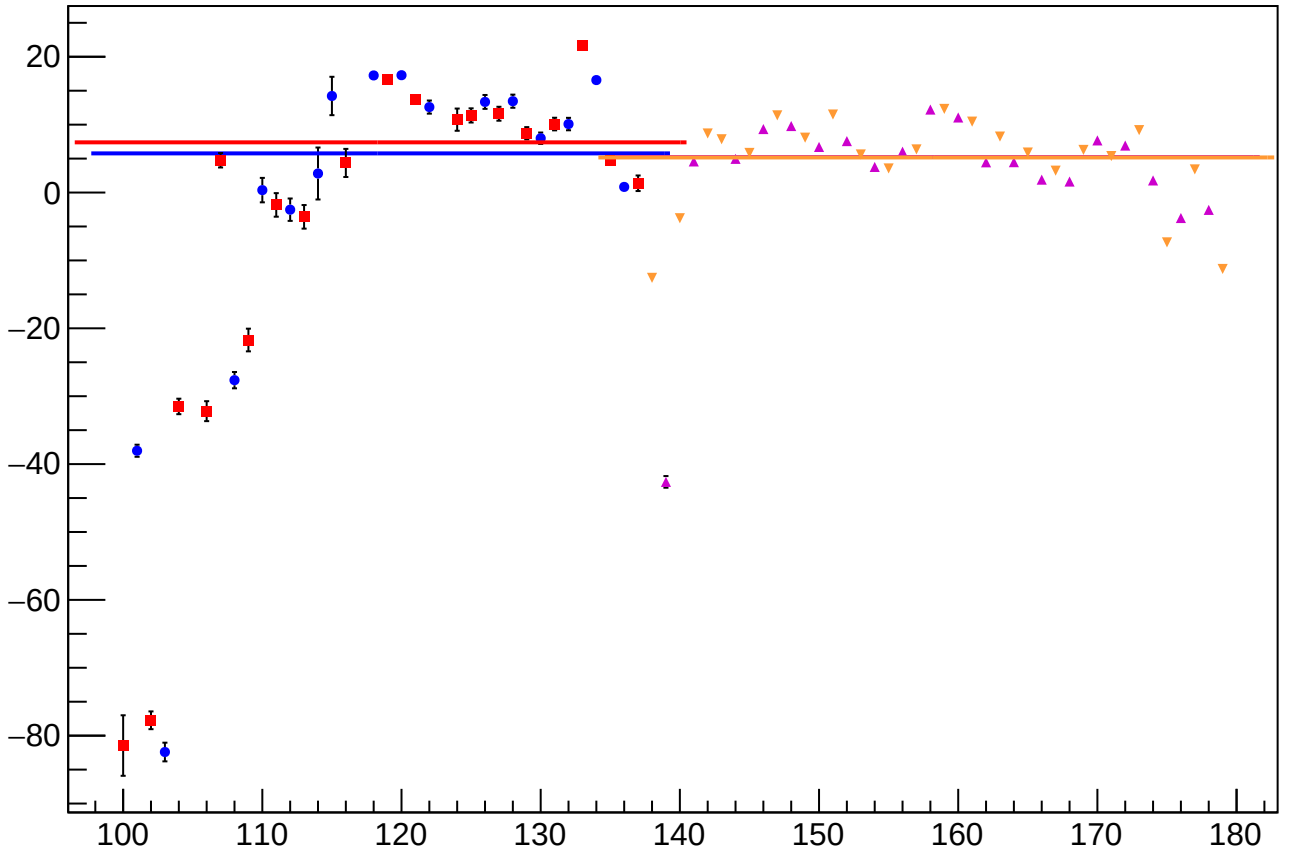
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.216+/-0.007 χ^2/NDF:572.9/35

Out: 0.204+/-0.007 χ^2/NDF:982.4/40

All: 0.210+/-0.005 χ^2/NDF: 1556.7/76


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 2.604+/-0.224 χ²/NDF: 573.1/15
Left Out: 13.029+/-0.115 χ²/NDF:13090.9/21
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 11.981+/-0.118 χ²/NDF:10381.1/19
Left: 12.520+/-0.082 χ²/NDF: 23512.7/41
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 9.953+/-0.104 χ²/NDF:12326.4/35
Out: 10.372+/-0.102 χ²/NDF:16682.2/40
All: 10.167+/-0.073 χ²/NDF: 29016.9/76



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.170+/-0.084 χ^2/NDF:5512.7/21

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.233+/-0.088 χ^2/NDF:5152.4/19

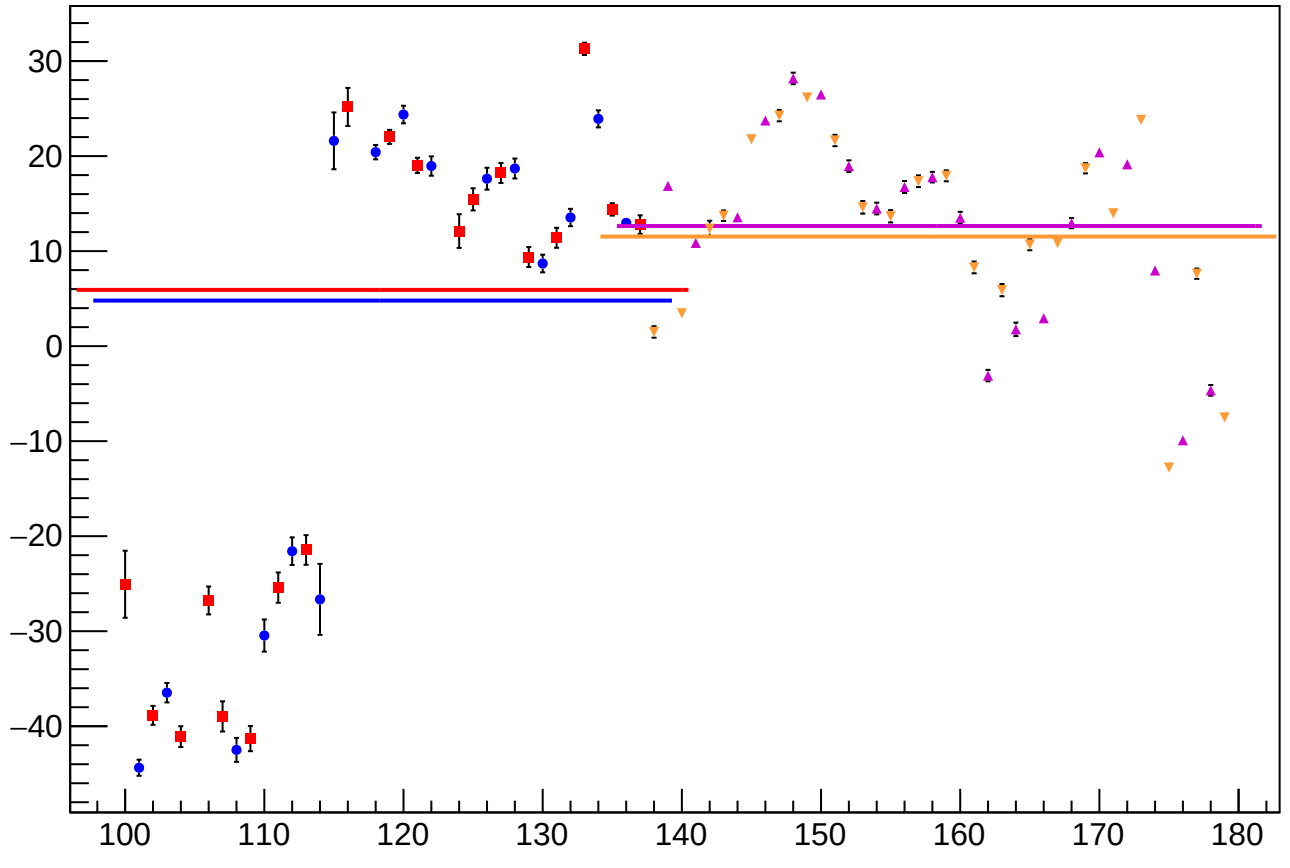
Left: 5.200+/-0.061 χ^2/NDF: 10665.4/41

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.312+/-0.081 χ^2/NDF:14091.8/35

Out: 5.482+/-0.078 χ^2/NDF:14000.8/40

All: 5.400+/-0.056 χ^2/NDF: 28094.8/76



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 11.533+/-0.113 χ^2/NDF:9430.7/21

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 12.641+/-0.116 χ^2/NDF:8233.0/19

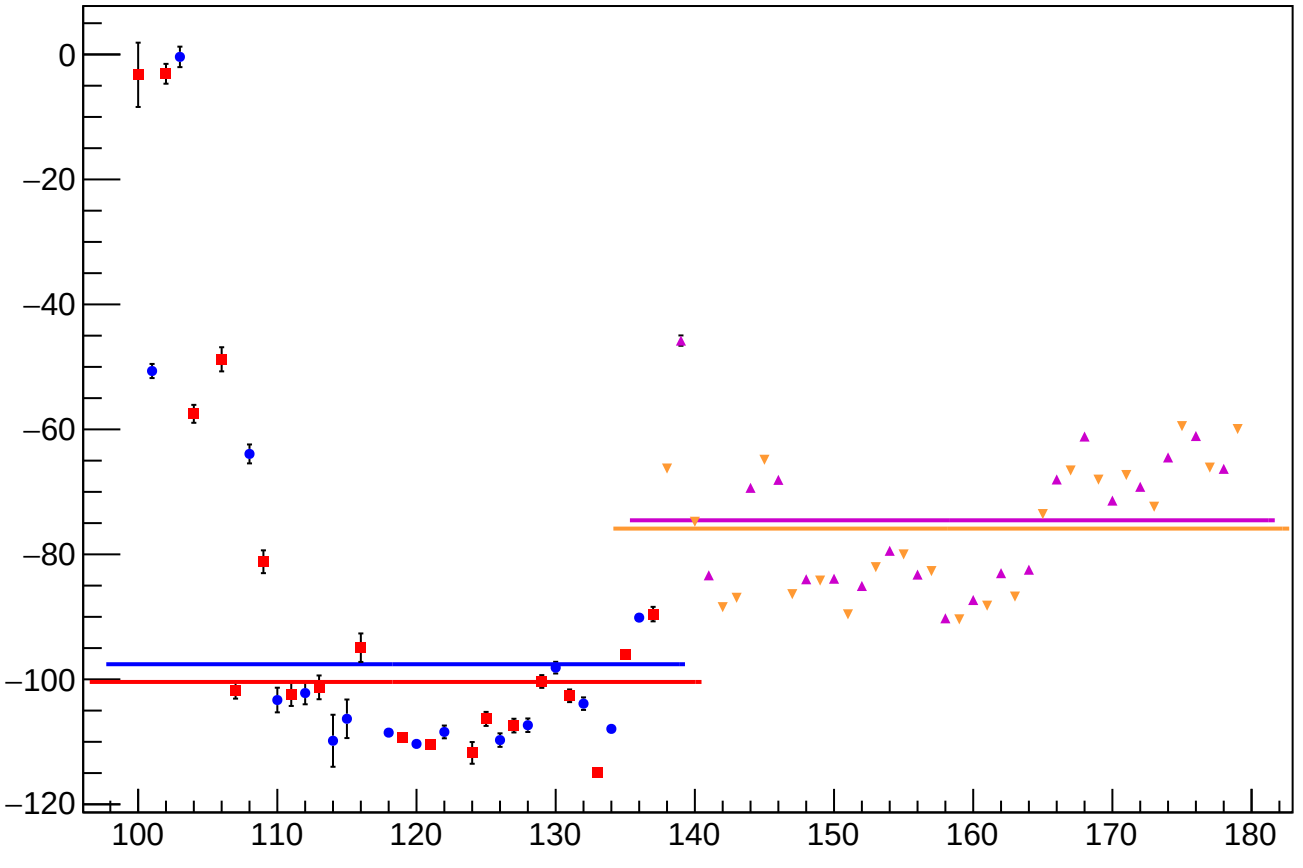
Left: 12.073+/-0.081 χ^2/NDF: 17710.2/41

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 11.120+/-0.105 χ^2/NDF:18610.7/35

Out: 10.508+/-0.103 χ^2/NDF:19937.3/40

All: 10.808+/-0.073 χ^2/NDF: 38565.5/76



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -75.877+/-0.096 χ^2/NDF:11309.2/21

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -74.548+/-0.099 χ^2/NDF:9677.9/19

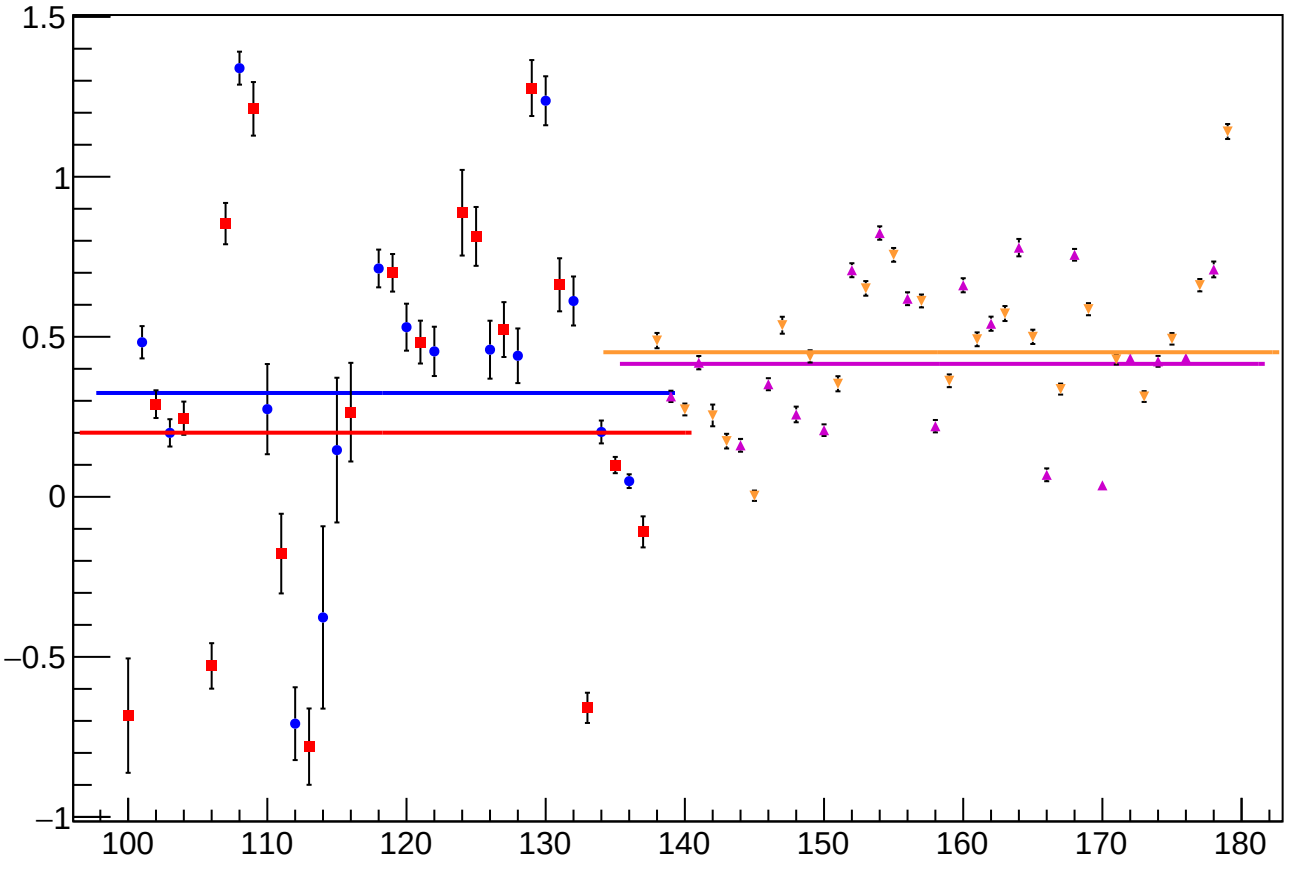
Left: -75.234+/-0.069 χ^2/NDF: 21079.5/41

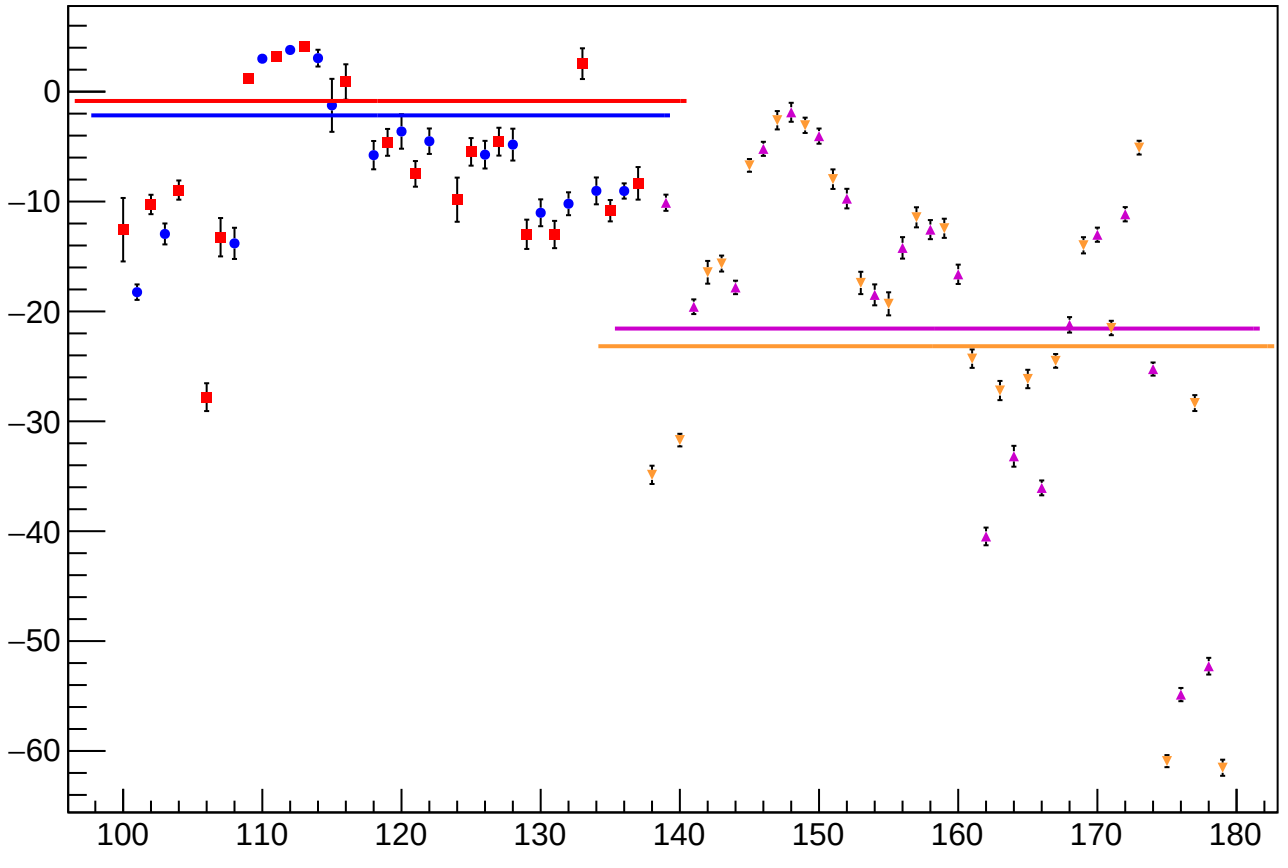
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -77.875+/-0.092 χ^2/NDF:24592.3/35

Out: -79.244+/-0.089 χ^2/NDF:27373.3/40

All: -78.579+/-0.064 χ^2/NDF: 52079.8/76


reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
Right In: 0.324+/-0.013 χ²/NDF: 886.5/15
Left Out: 0.452+/-0.004 χ²/NDF:2619.3/21
Right Out: 0.200+/-0.014 χ²/NDF: 1206.3/18
Left In: 0.415+/-0.004 χ²/NDF:2848.4/19
Left: 0.434+/-0.003 χ²/NDF: 5502.5/41
Right: 0.265+/-0.010 χ²/NDF: 2134.6/34
In: 0.407+/-0.004 χ²/NDF:3777.2/35
Out: 0.429+/-0.004 χ²/NDF:4125.9/40
All: 0.418+/-0.003 χ²/NDF: 7918.3/76



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -23.166+/-0.158 χ^2/NDF:11986.6/21

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -21.560+/-0.163 χ^2/NDF:8790.9/19

Left: -22.388+/-0.114 χ^2/NDF: 20827.4/41

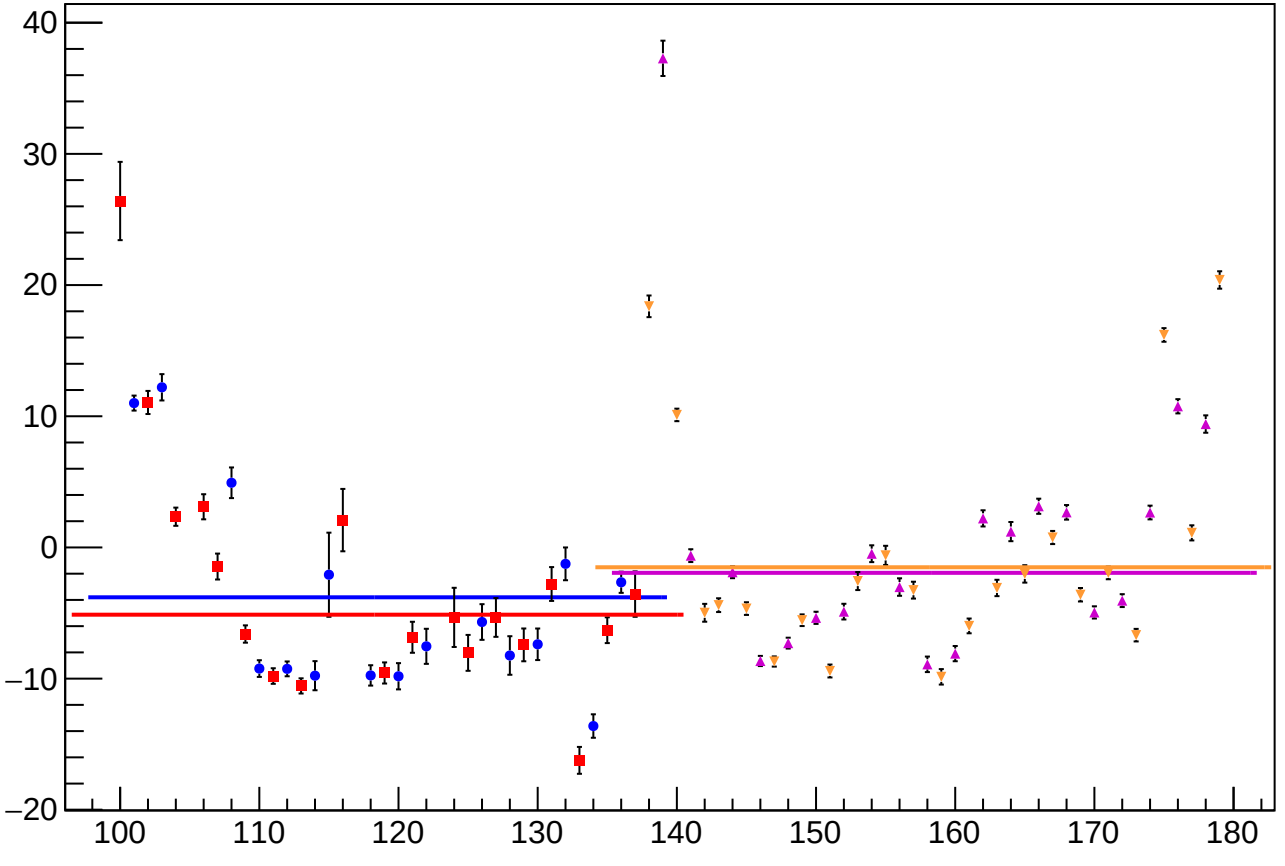
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -13.418+/-0.124 χ^2/NDF:16208.2/35

Out: -12.827+/-0.116 χ^2/NDF:22659.2/40

All: -13.102+/-0.085 χ^2/NDF: 38879.5/76

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -1.511+/-0.116 χ^2/NDF:4659.6/21

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -1.936+/-0.121 χ^2/NDF:2847.6/19

Left: -1.715+/-0.084 χ^2/NDF: 7513.7/41

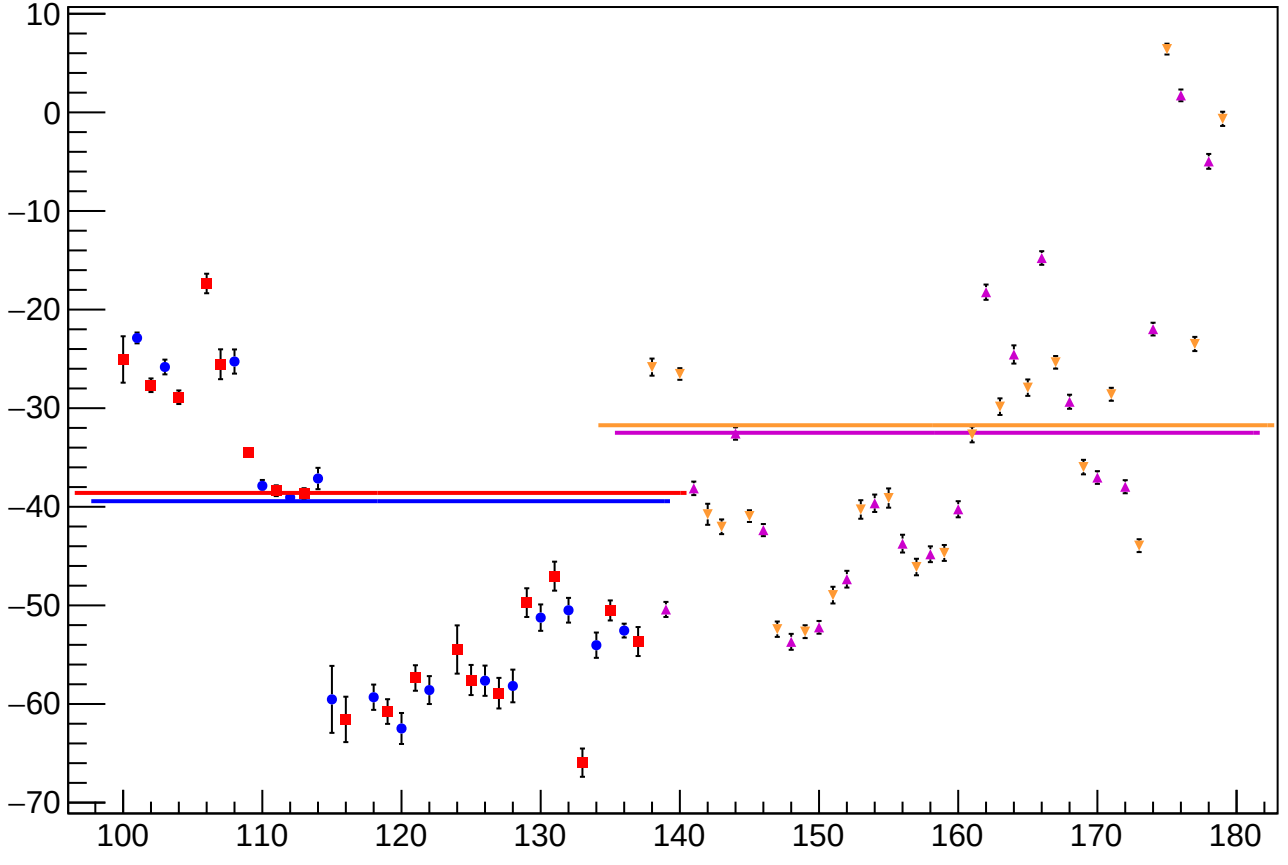
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.350+/-0.106 χ^2/NDF:4326.3/35

Out: -2.304+/-0.102 χ^2/NDF:5853.4/40

All: -2.326+/-0.074 χ^2/NDF: 10179.8/76

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -31.730+/-0.157 χ^2/NDF:10802.1/21

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -32.494+/-0.161 χ^2/NDF:9447.3/19

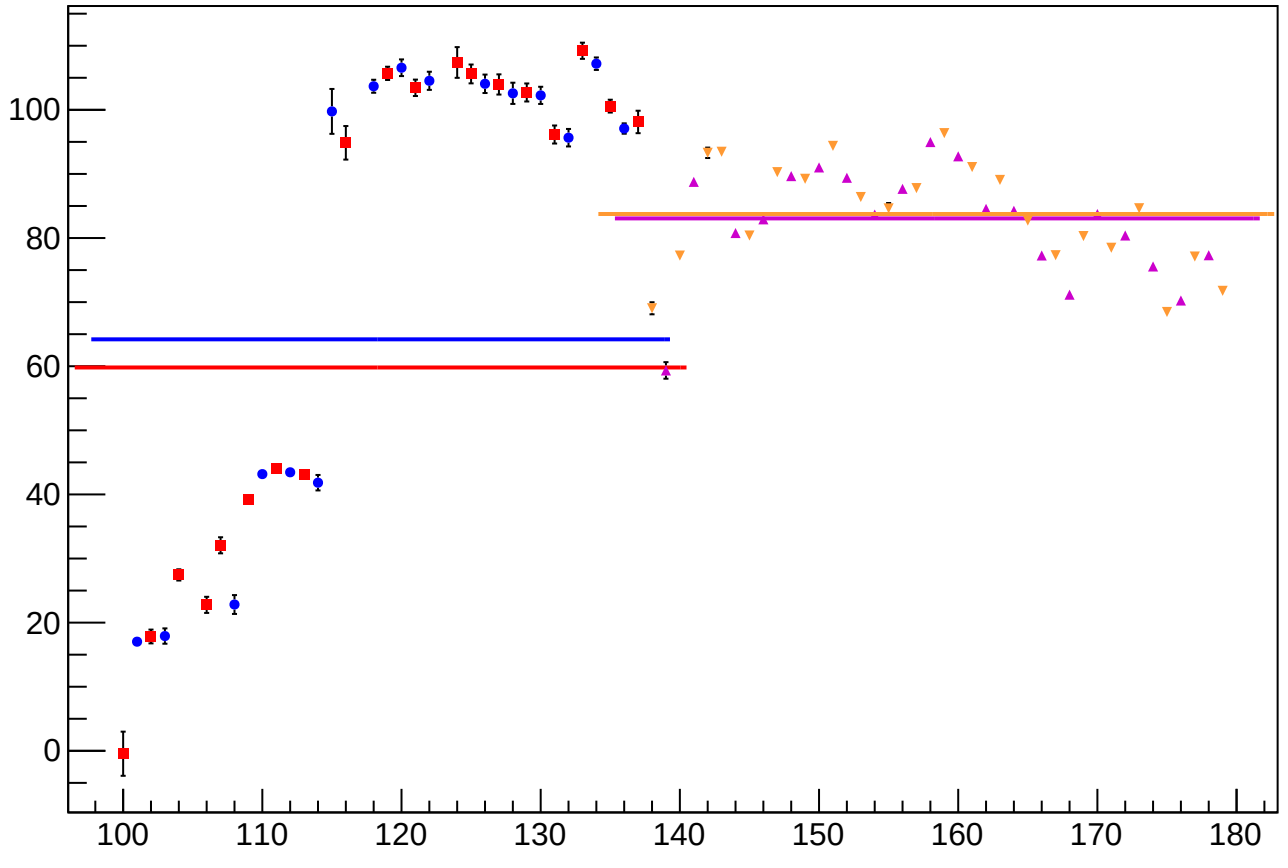
Left: -32.100+/-0.112 χ^2/NDF: 20261.0/41

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -34.845+/-0.131 χ^2/NDF:13031.3/35

Out: -34.146+/-0.126 χ^2/NDF:14249.8/40

All: -34.482+/-0.091 χ^2/NDF: 27295.9/76



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 83.750+/-0.132 χ^2/NDF:3459.4/21

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.062+/-0.137 χ^2/NDF:2725.0/19

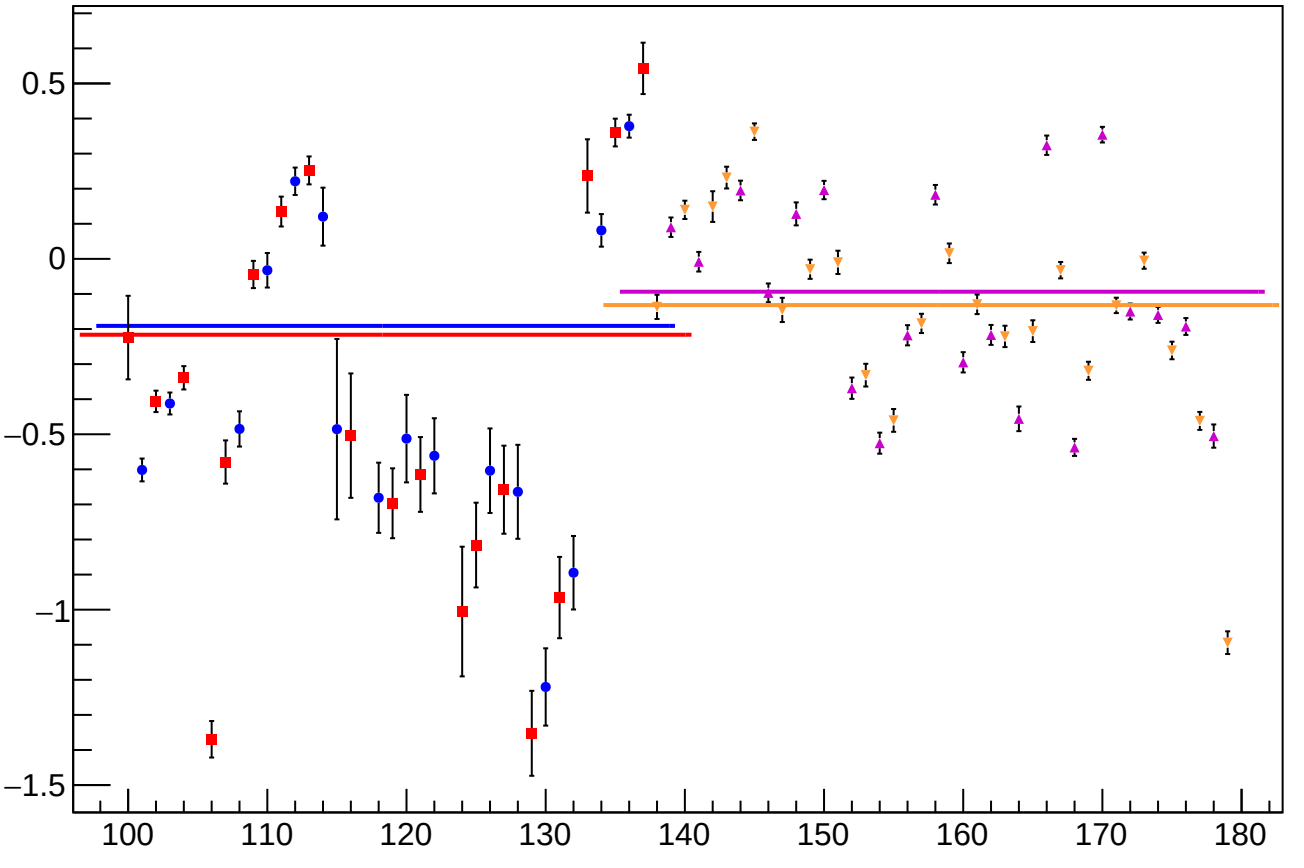
Left: 83.418+/-0.095 χ^2/NDF: 6197.5/41

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.910+/-0.121 χ^2/NDF:25507.9/35

Out: 78.482+/-0.117 χ^2/NDF:28118.8/40

All: 78.688+/-0.084 χ^2/NDF: 53633.2/76



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.132+/-0.006 χ^2/NDF:2120.8/21

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.094+/-0.006 χ^2/NDF:2059.6/19

Left: -0.113+/-0.004 χ^2/NDF: 4200.3/41

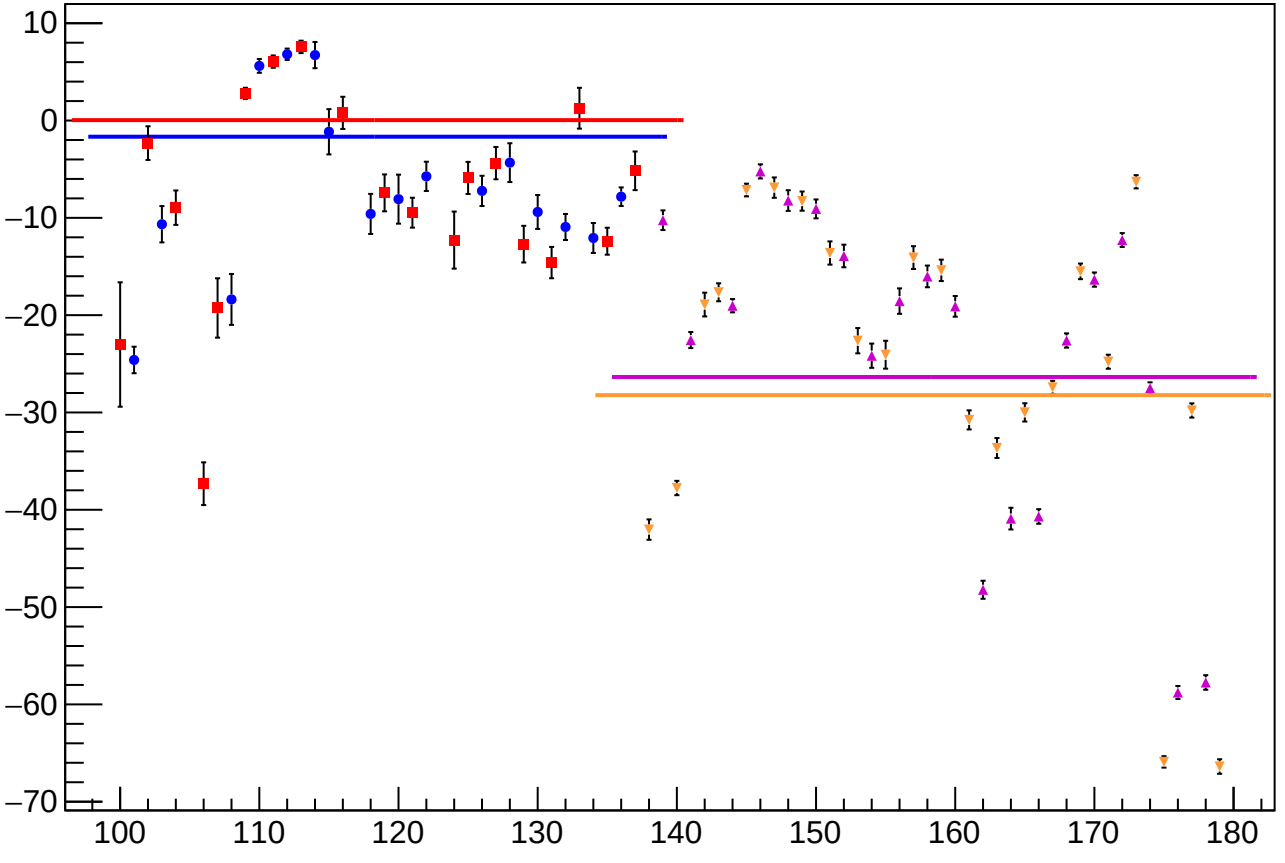
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.110+/-0.006 χ^2/NDF:3021.6/35

Out: -0.147+/-0.005 χ^2/NDF:3524.1/40

All: -0.129+/-0.004 χ^2/NDF: 6567.7/76

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -28.219+/-0.184 χ^2/NDF:10896.1/21

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -26.357+/-0.188 χ^2/NDF:7947.3/19

Left: -27.310+/-0.131 χ^2/NDF: 18893.6/41

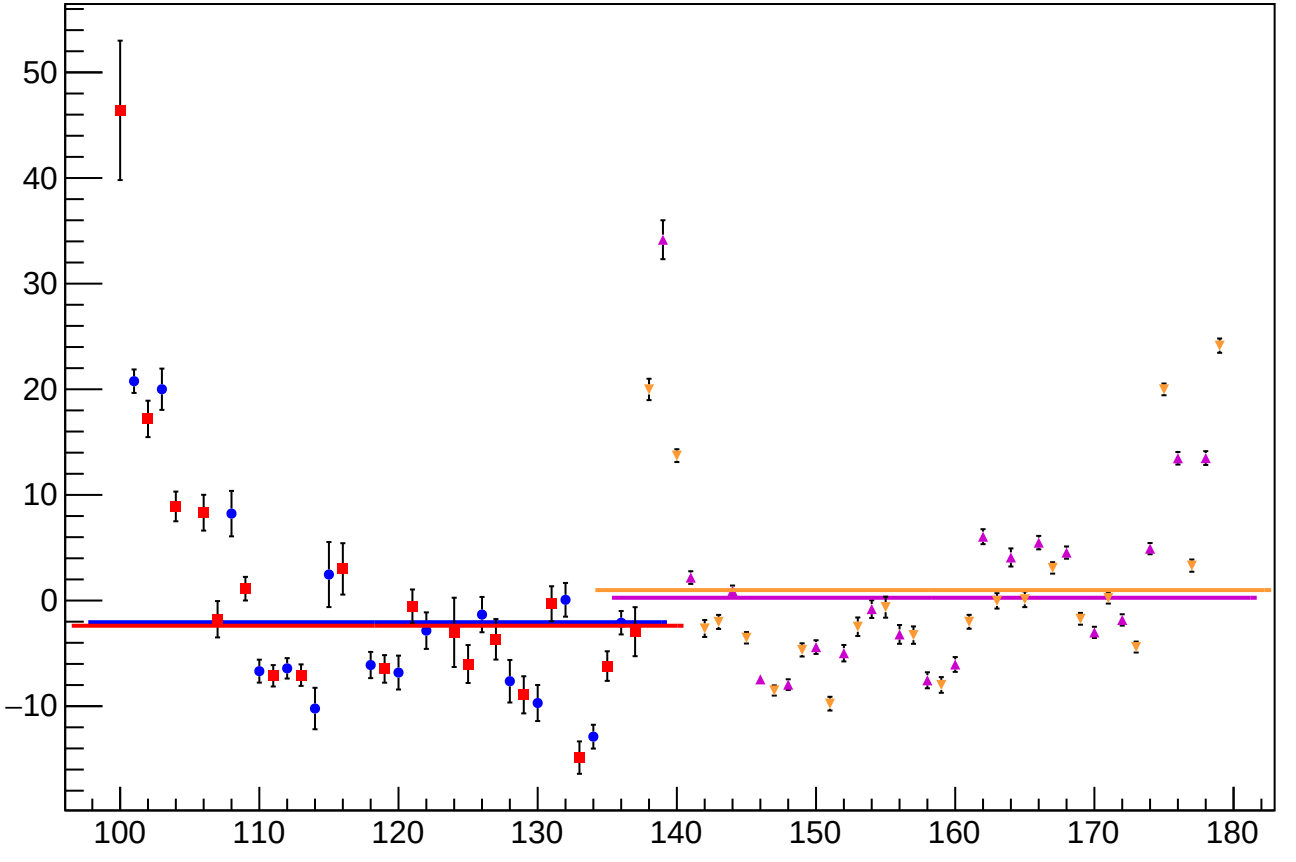
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -19.651+/-0.161 χ^2/NDF:13528.9/35

Out: -19.801+/-0.154 χ^2/NDF:18883.6/40

All: -19.729+/-0.111 χ^2/NDF: 32412.9/76

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.990+/-0.136 χ^2/NDF:4363.2/21

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 0.264+/-0.140 χ^2/NDF:2478.5/19

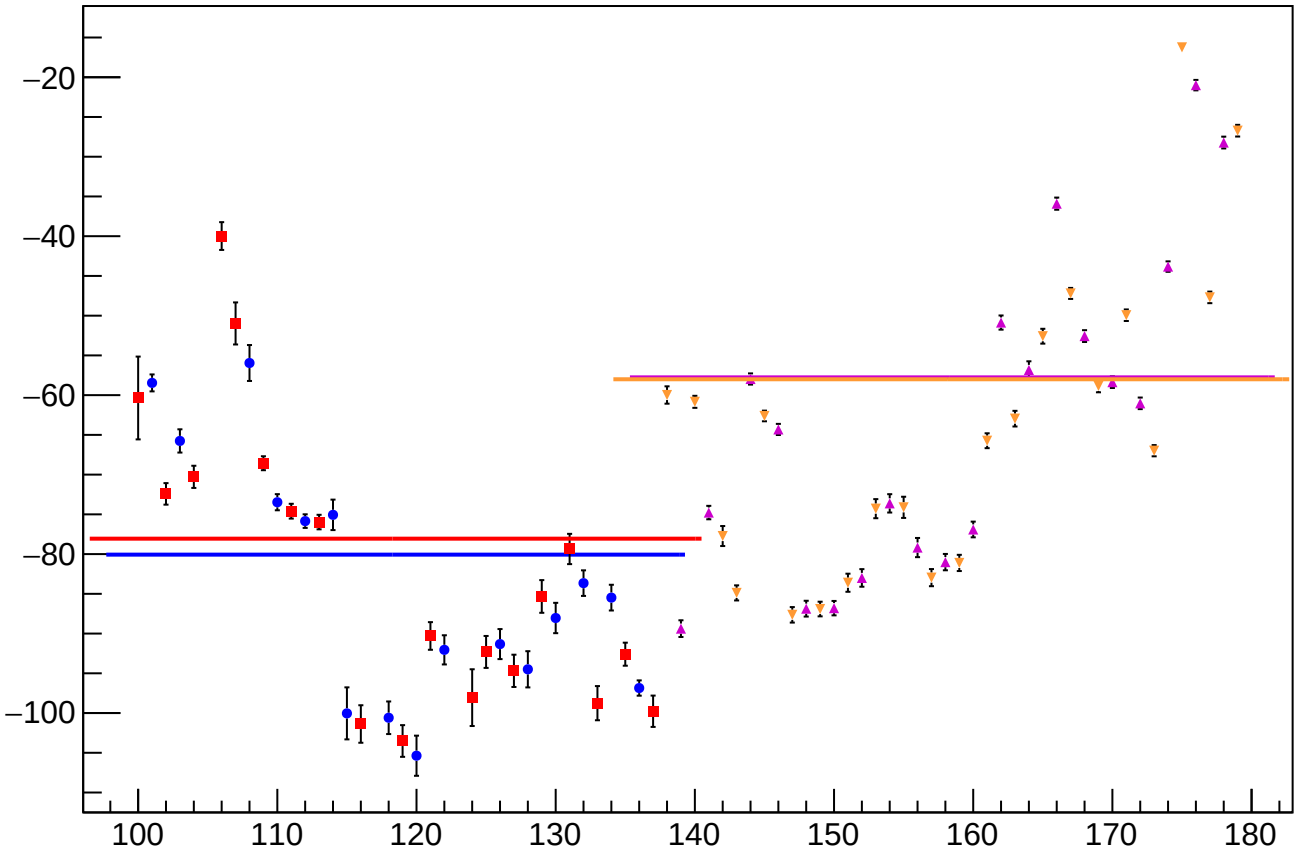
Left: 0.636+/-0.097 χ^2/NDF: 6855.5/41

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.044+/-0.130 χ^2/NDF:3287.0/35

Out: 0.558+/-0.127 χ^2/NDF:4892.8/40

All: 0.264+/-0.091 χ^2/NDF: 8190.8/76



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -58.002+/-0.182 χ^2/NDF:12580.2/21

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -57.763+/-0.187 χ^2/NDF:11284.3/19

Left: -57.886+/-0.131 χ^2/NDF: 23865.4/41

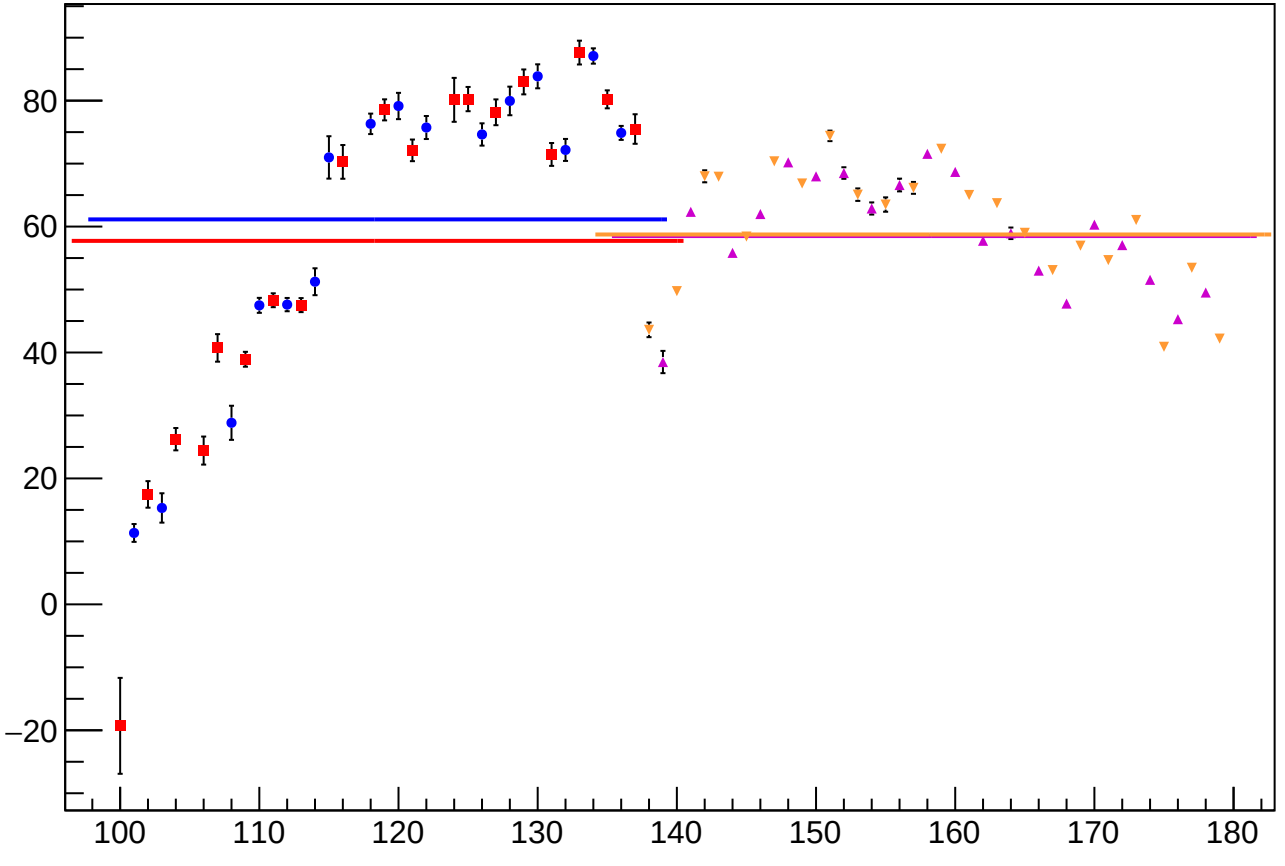
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -62.410+/-0.166 χ^2/NDF:15637.8/35

Out: -62.219+/-0.162 χ^2/NDF:16683.5/40

All: -62.312+/-0.116 χ^2/NDF: 32321.9/76

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.743+/-0.154 χ^2/NDF:3548.7/21

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.493+/-0.158 χ^2/NDF:2399.5/19

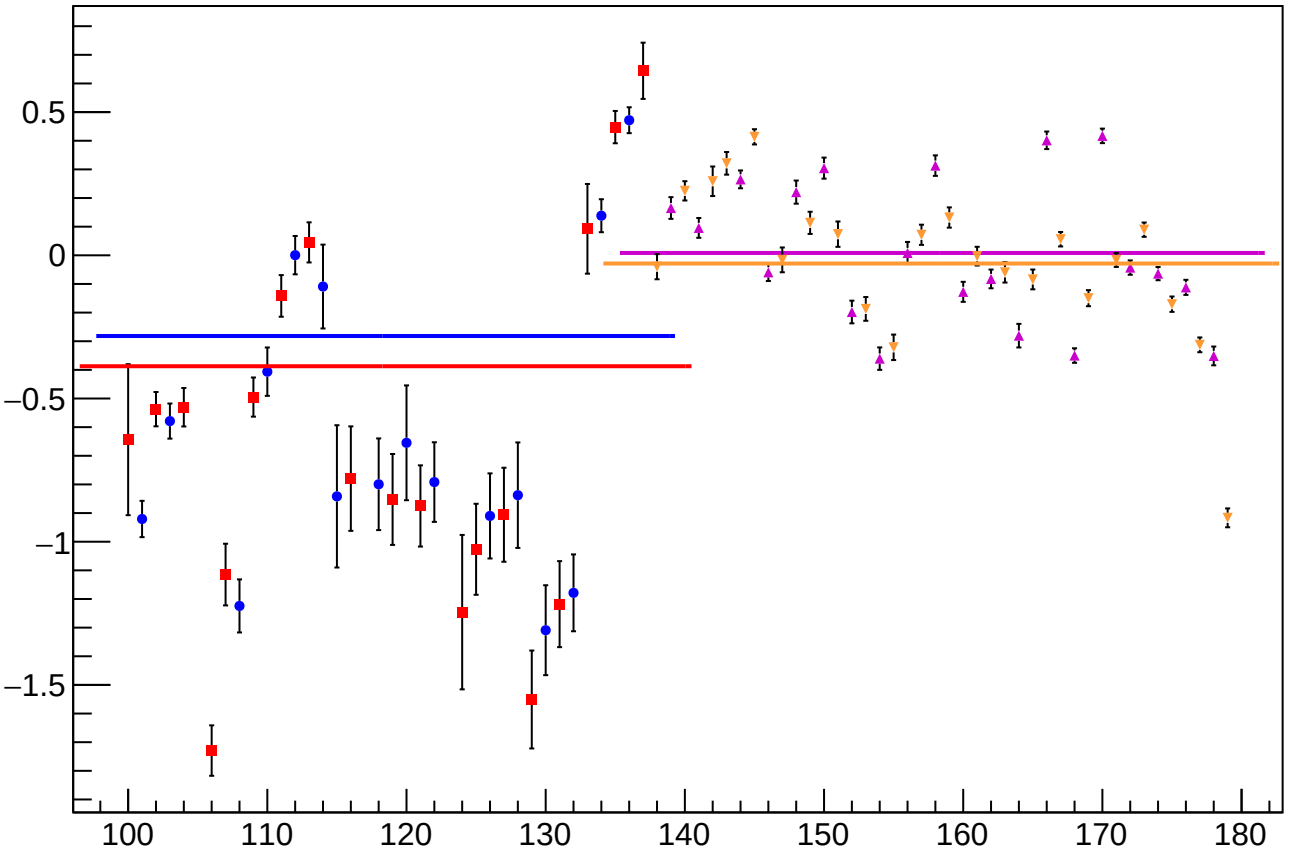
Left: 58.621+/-0.110 χ^2/NDF: 5949.5/41

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 58.849+/-0.147 χ^2/NDF:5666.6/35

Out: 58.612+/-0.144 χ^2/NDF:6329.9/40

All: 58.728+/-0.103 χ^2/NDF: 11997.8/76



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: -0.029+/-0.007 χ^2/NDF:1478.6/21

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.008+/-0.007 χ^2/NDF:1228.9/19

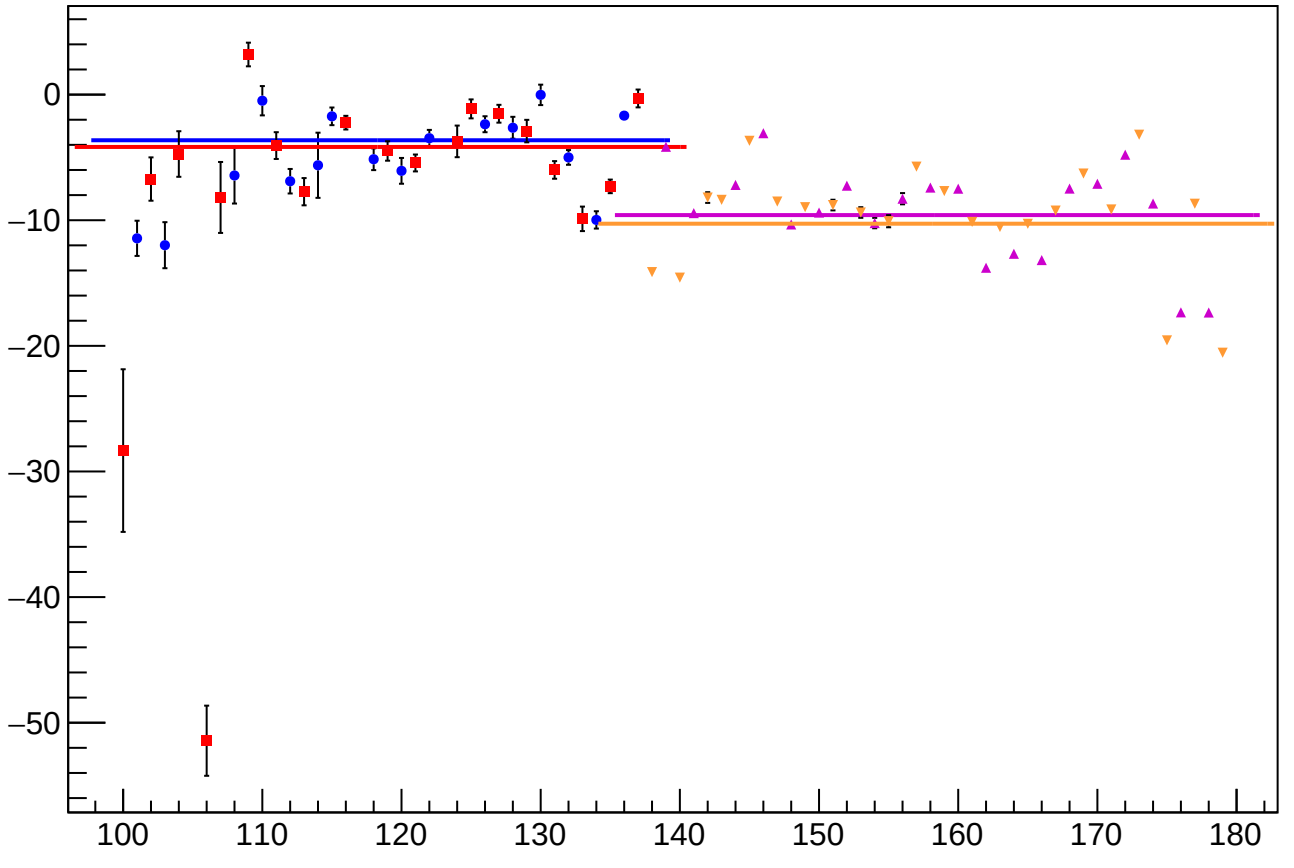
Left: -0.011+/-0.005 χ^2/NDF: 2721.4/41

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.020+/-0.007 χ^2/NDF:2119.6/35

Out: -0.061+/-0.007 χ^2/NDF:2540.8/40

All: -0.041+/-0.005 χ^2/NDF: 4680.1/76



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -10.277+/-0.059 χ^2/NDF:7629.8/21

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -9.591+/-0.060 χ^2/NDF:5057.6/19

Left: -9.940+/-0.042 χ^2/NDF: 12753.4/41

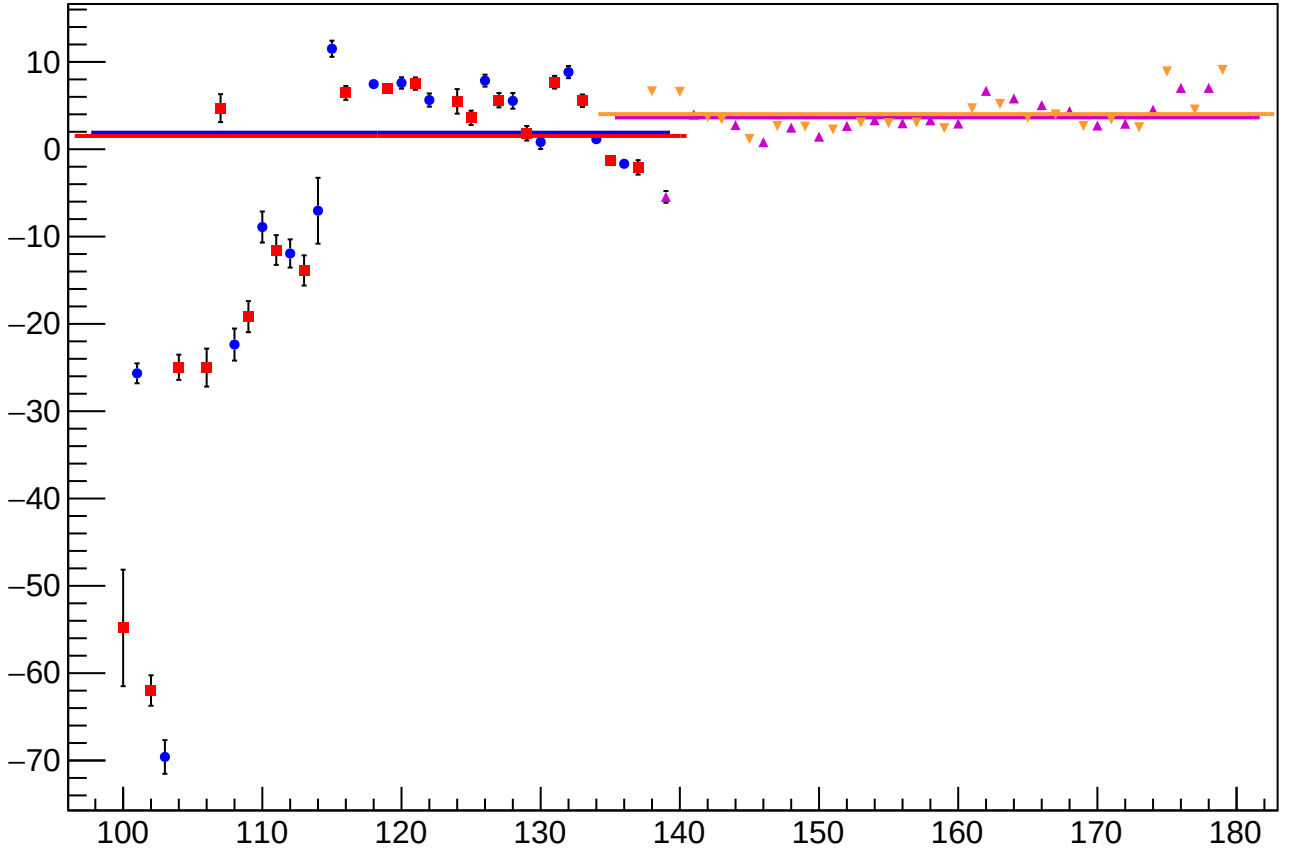
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -9.041+/-0.057 χ^2/NDF:6193.7/35

Out: -9.783+/-0.057 χ^2/NDF:9022.2/40

All: -9.417+/-0.040 χ^2/NDF: 15300.4/76

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 4.025+/-0.044 χ^2/NDF:2296.9/21

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.647+/-0.045 χ^2/NDF:1837.0/19

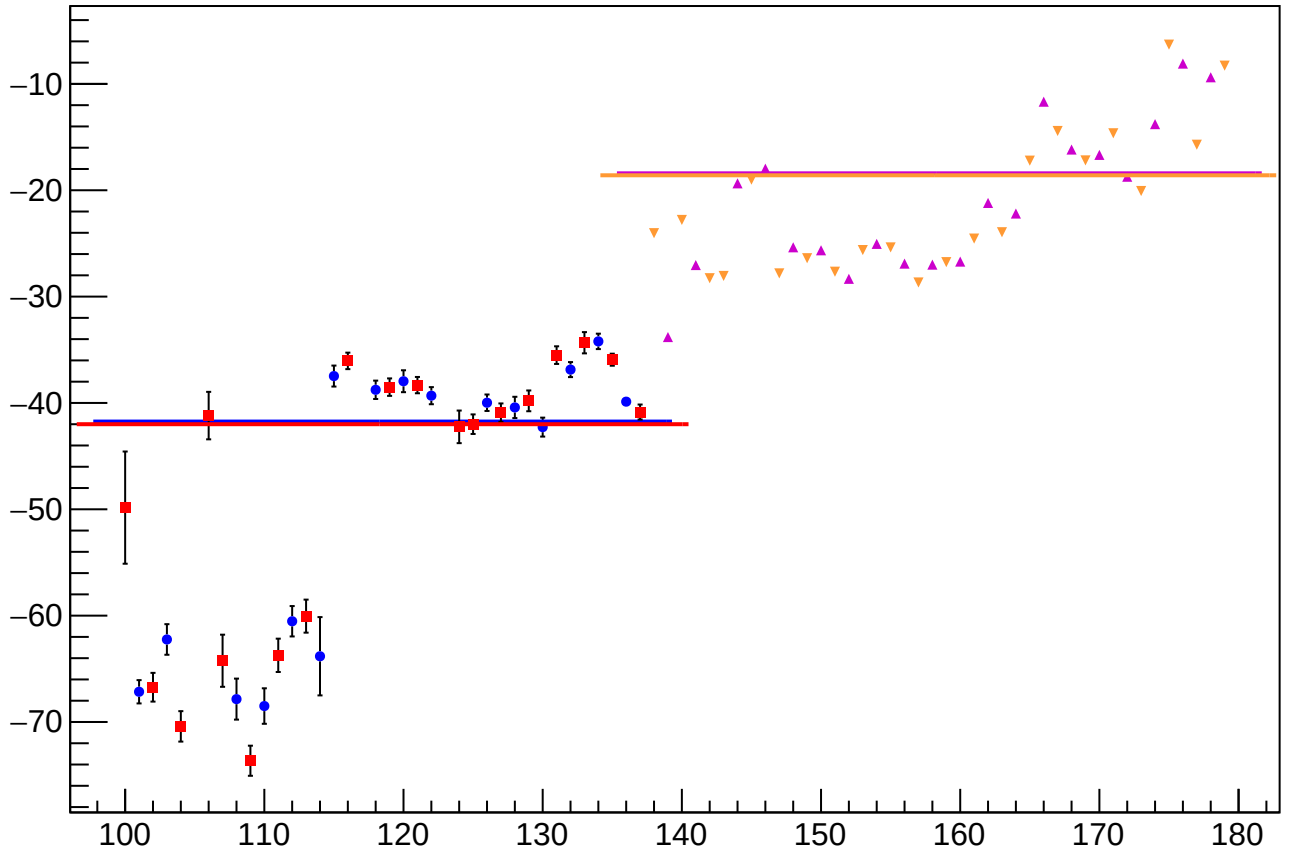
Left: 3.840+/-0.032 χ^2/NDF: 4169.9/41

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.554+/-0.044 χ^2/NDF:4756.3/35

Out: 3.918+/-0.043 χ^2/NDF:4994.6/40

All: 3.738+/-0.031 χ^2/NDF: 9785.9/76



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -18.593+/-0.059 χ^2/NDF:13639.0/21

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -18.408+/-0.060 χ^2/NDF:11970.9/19

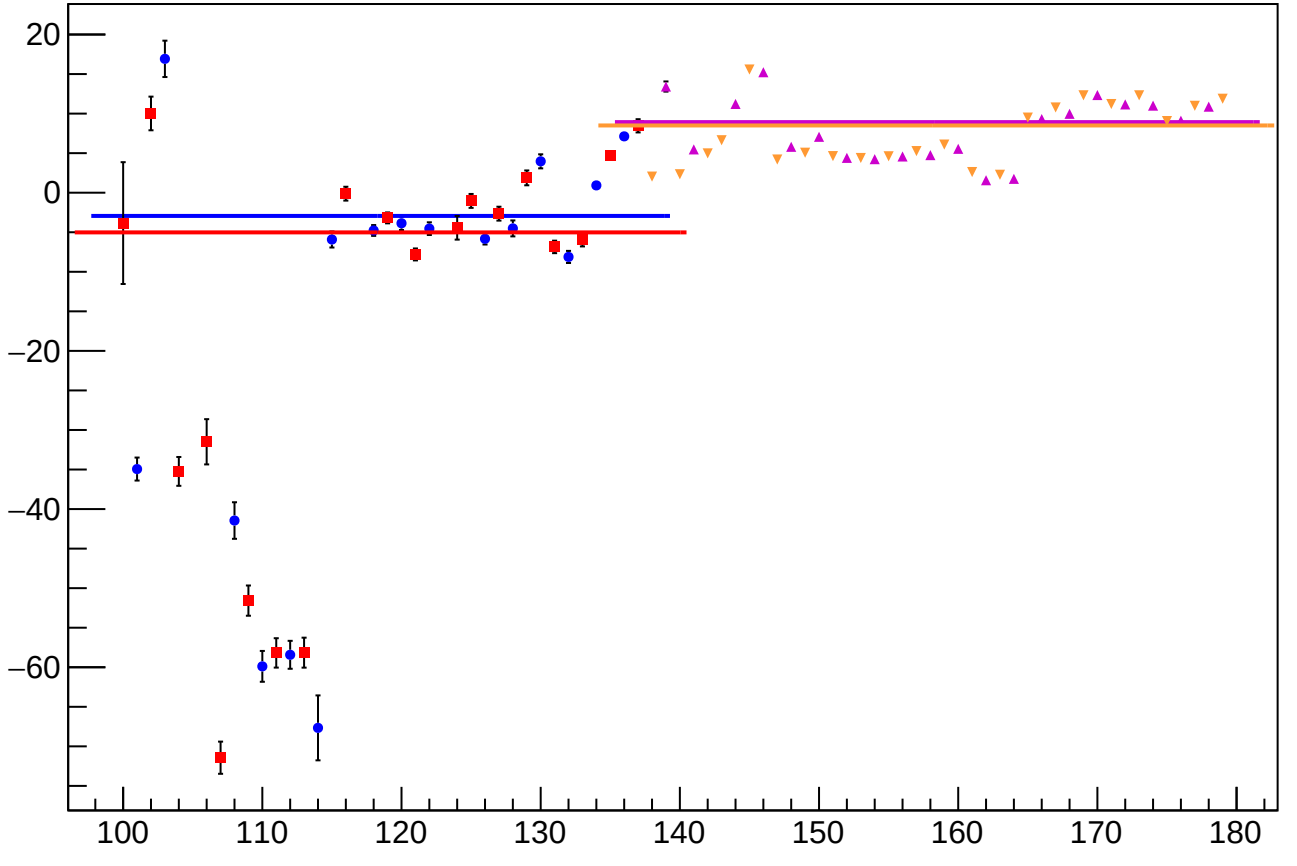
Left: -18.502+/-0.042 χ^2/NDF: 25614.6/41

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -20.206+/-0.058 χ^2/NDF:25270.8/35

Out: -20.050+/-0.057 χ^2/NDF:25483.8/40

All: -20.127+/-0.041 χ^2/NDF: 50758.3/76



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.501+/-0.050 χ^2/NDF:6364.8/21

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.925+/-0.051 χ^2/NDF:5402.5/19

Left: 8.709+/-0.035 χ^2/NDF: 11802.7/41

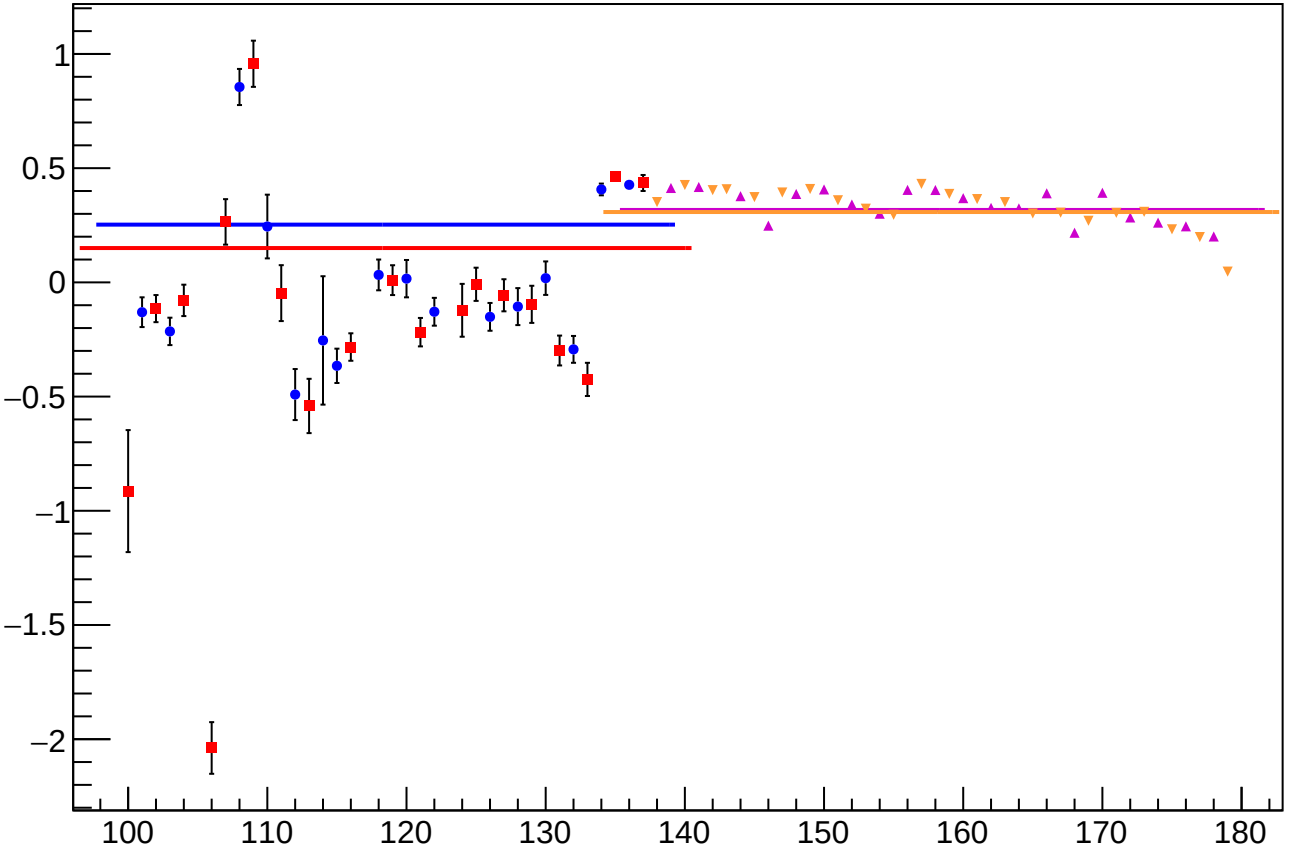
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.269+/-0.049 χ^2/NDF:12151.6/35

Out: 7.907+/-0.049 χ^2/NDF:13994.2/40

All: 8.086+/-0.035 χ^2/NDF: 26173.2/76

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.308+/-0.002 χ^2/NDF:1506.8/21

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.317+/-0.002 χ^2/NDF:1009.2/19

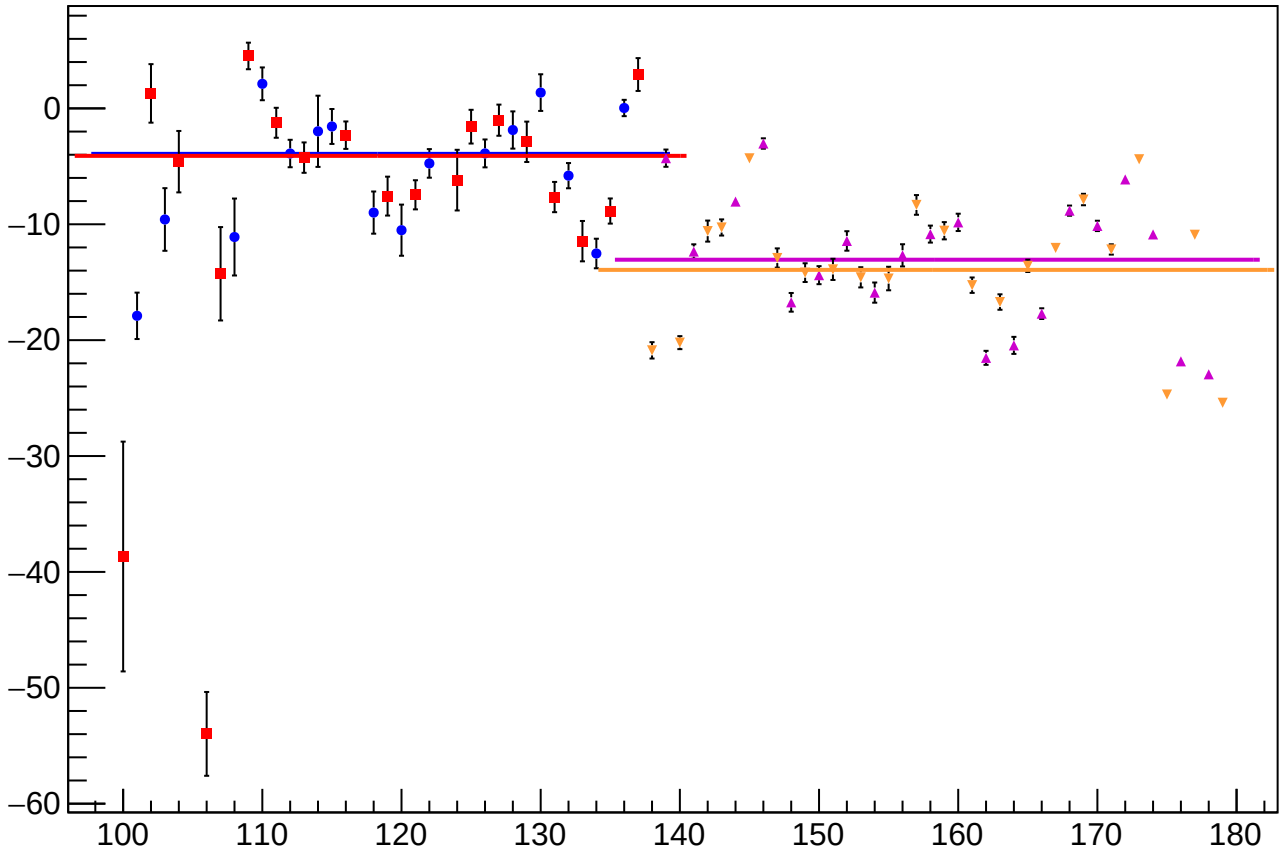
Left: 0.312+/-0.002 χ^2/NDF: 2524.1/41

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.315+/-0.002 χ^2/NDF:1670.3/35

Out: 0.304+/-0.002 χ^2/NDF:2660.5/40

All: 0.309+/-0.002 χ^2/NDF: 4343.0/76



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -13.935+/-0.116 χ^2/NDF:3525.7/21

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -13.059+/-0.118 χ^2/NDF:2873.6/19

Left: -13.504+/-0.083 χ^2/NDF: 6427.5/41

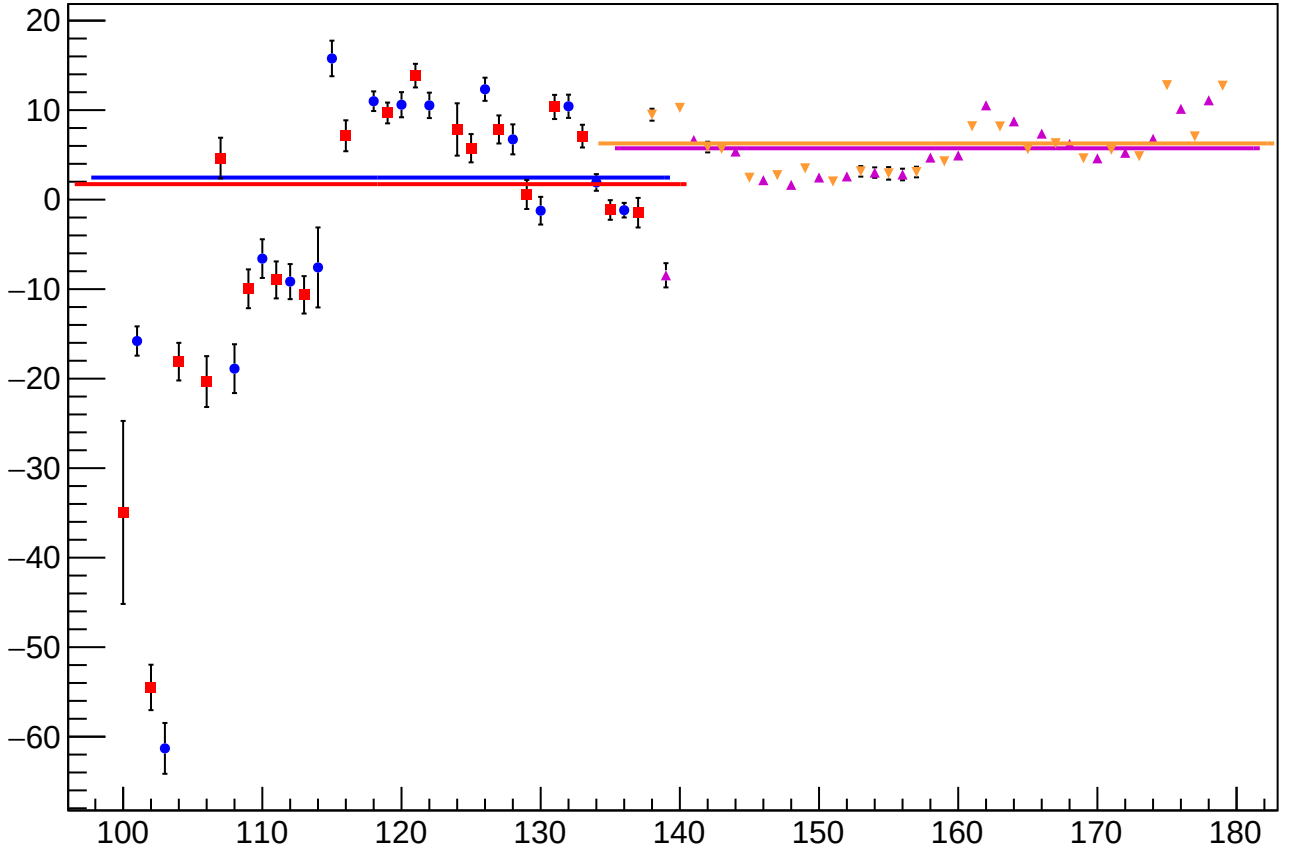
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -12.111+/-0.111 χ^2/NDF:3687.0/35

Out: -12.997+/-0.110 χ^2/NDF:4580.4/40

All: -12.559+/-0.078 χ^2/NDF: 8299.3/76

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 6.279+/-0.088 χ^2/NDF:1352.5/21

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.736+/-0.089 χ^2/NDF:1150.9/19

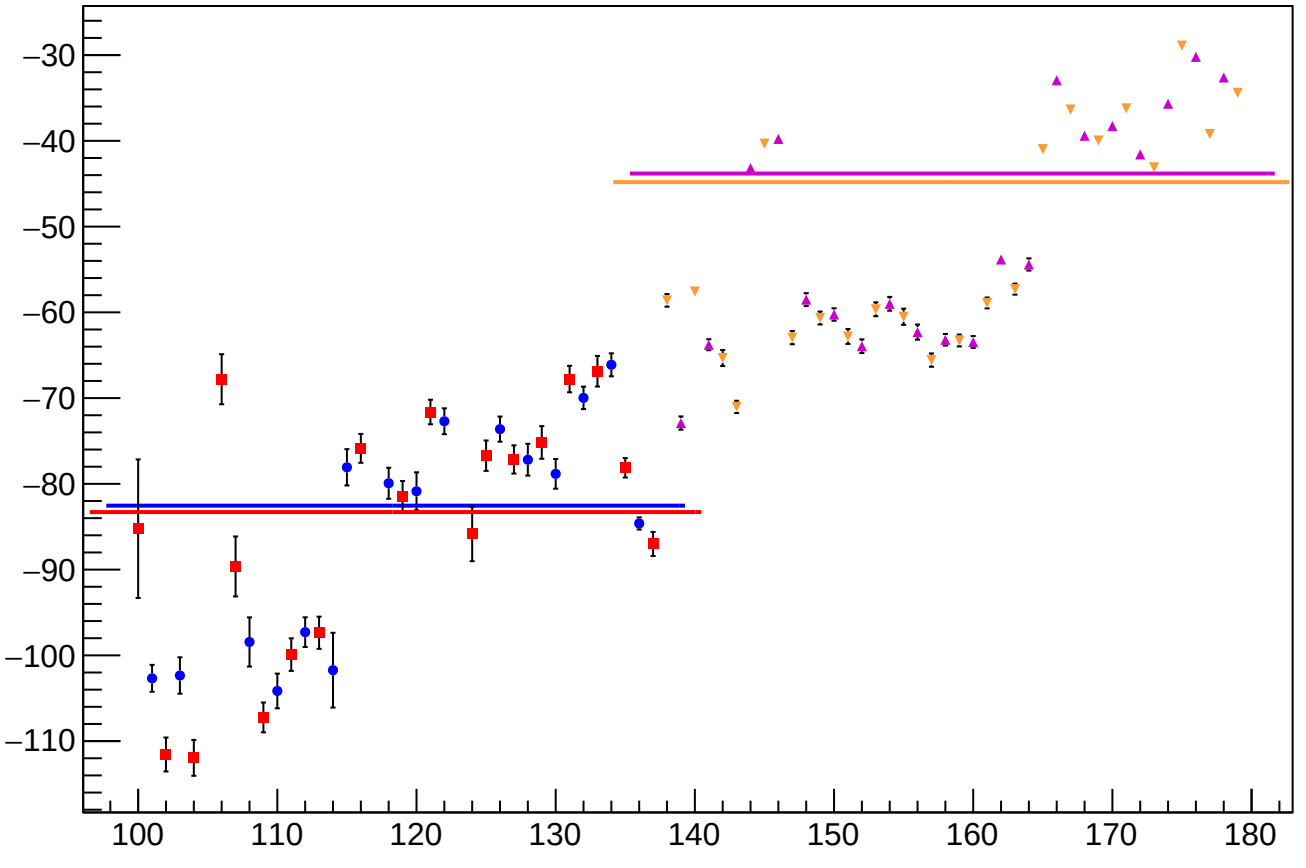
Left: 6.010+/-0.062 χ^2/NDF: 2522.4/41

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 5.546+/-0.086 χ^2/NDF:2276.8/35

Out: 6.056+/-0.085 χ^2/NDF:2467.7/40

All: 5.803+/-0.061 χ^2/NDF: 4762.2/76



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -44.813+/-0.115 χ^2/NDF:11079.5/21

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -43.815+/-0.117 χ^2/NDF:10359.5/19

Left: -44.323+/-0.082 χ^2/NDF: 21475.8/41

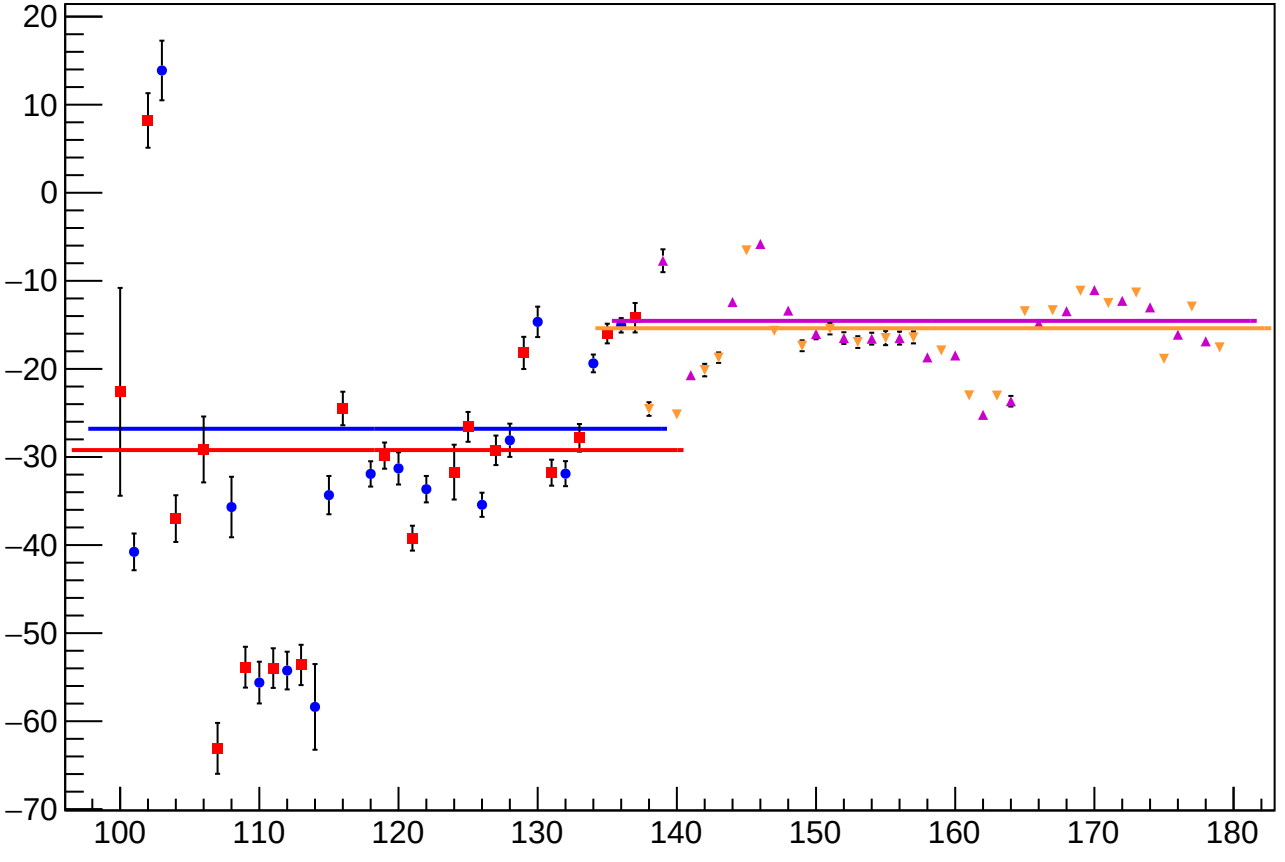
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -47.124+/-0.112 χ^2/NDF:20485.2/35

Out: -47.587+/-0.111 χ^2/NDF:20177.1/40

All: -47.358+/-0.079 χ^2/NDF: 40670.9/76

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.383+/-0.098 χ^2/NDF:2209.8/21

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.544+/-0.100 χ^2/NDF:1994.8/19

Left: -14.970+/-0.070 χ^2/NDF: 4240.6/41

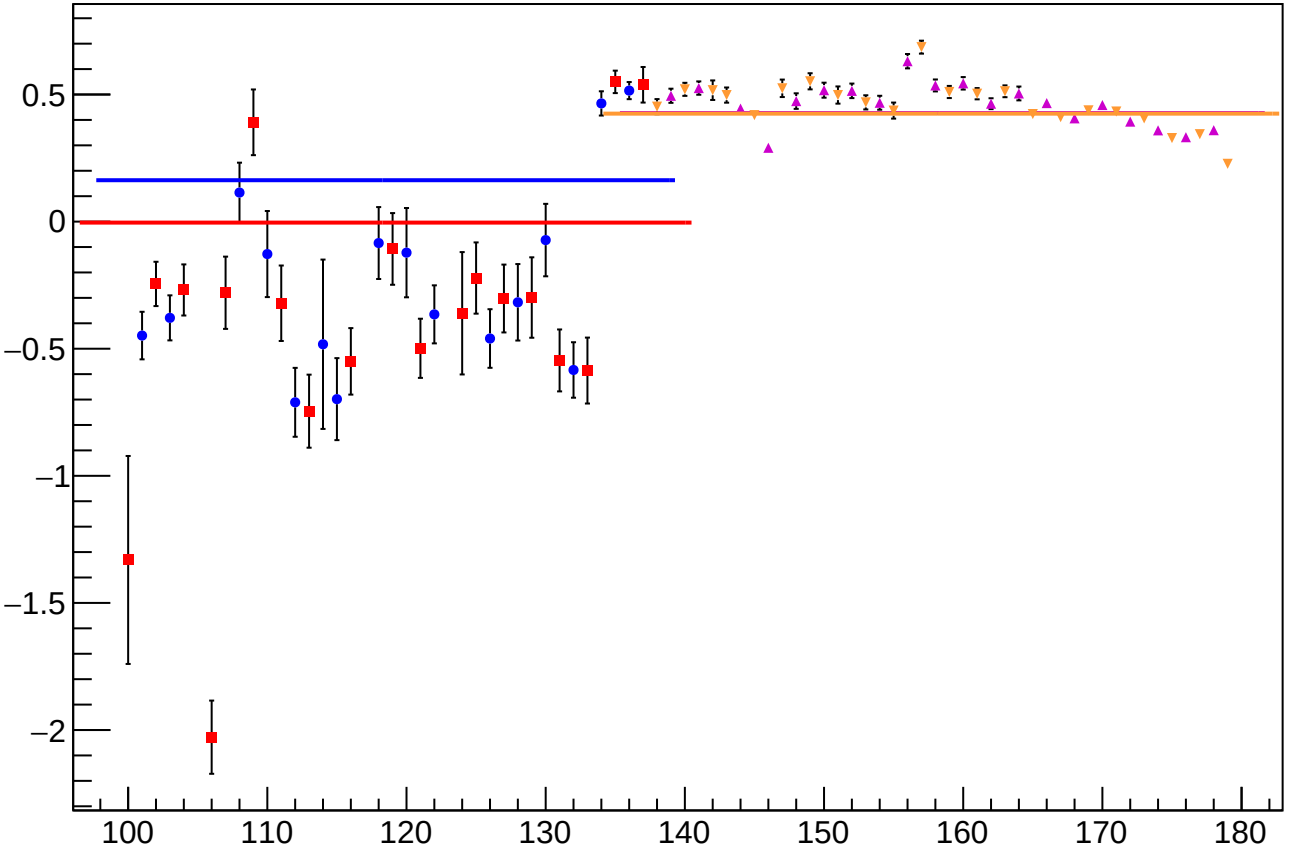
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.275+/-0.097 χ^2/NDF:3860.3/35

Out: -16.065+/-0.096 χ^2/NDF:4149.3/40

All: -15.673+/-0.068 χ^2/NDF: 8043.4/76

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.425+/-0.004 χ^2/NDF:405.7/21

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.427+/-0.004 χ^2/NDF:301.3/19

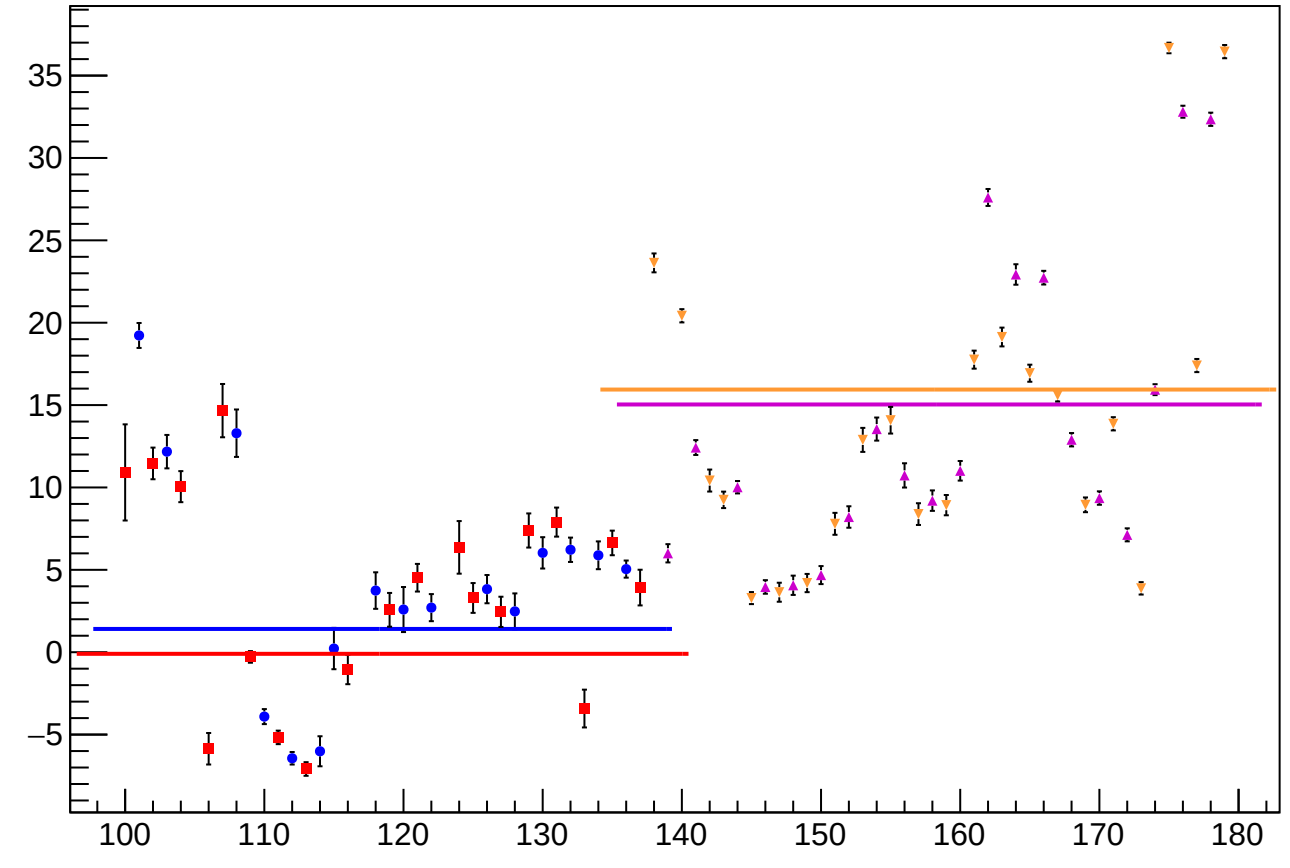
Left: 0.426+/-0.003 χ^2/NDF: 707.1/41

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.416+/-0.004 χ^2/NDF:870.0/35

Out: 0.411+/-0.004 χ^2/NDF:1277.8/40

All: 0.414+/-0.003 χ^2/NDF: 2148.4/76



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 15.943+/-0.101 χ^2/NDF:11203.9/21

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 15.037+/-0.104 χ^2/NDF:8144.7/19

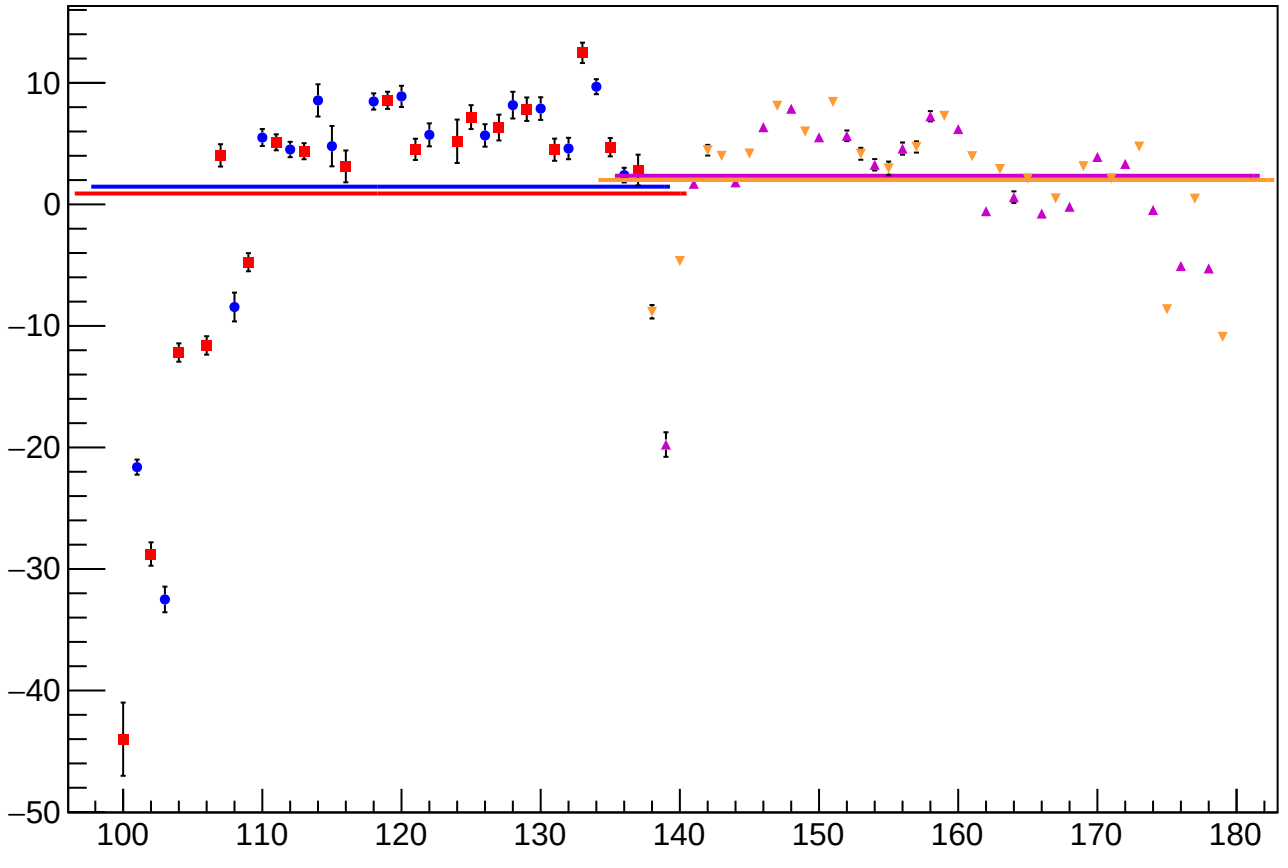
Left: 15.502+/-0.073 χ^2/NDF: 19387.5/41

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 11.713+/-0.090 χ^2/NDF:13853.3/35

Out: 11.642+/-0.087 χ^2/NDF:19071.6/40

All: 11.676+/-0.063 χ^2/NDF: 32925.2/76



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.010+/-0.075 χ^2/NDF:4767.5/21

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 2.357+/-0.077 χ^2/NDF:2877.0/19

Left: 2.179+/-0.054 χ^2/NDF: 7654.9/41

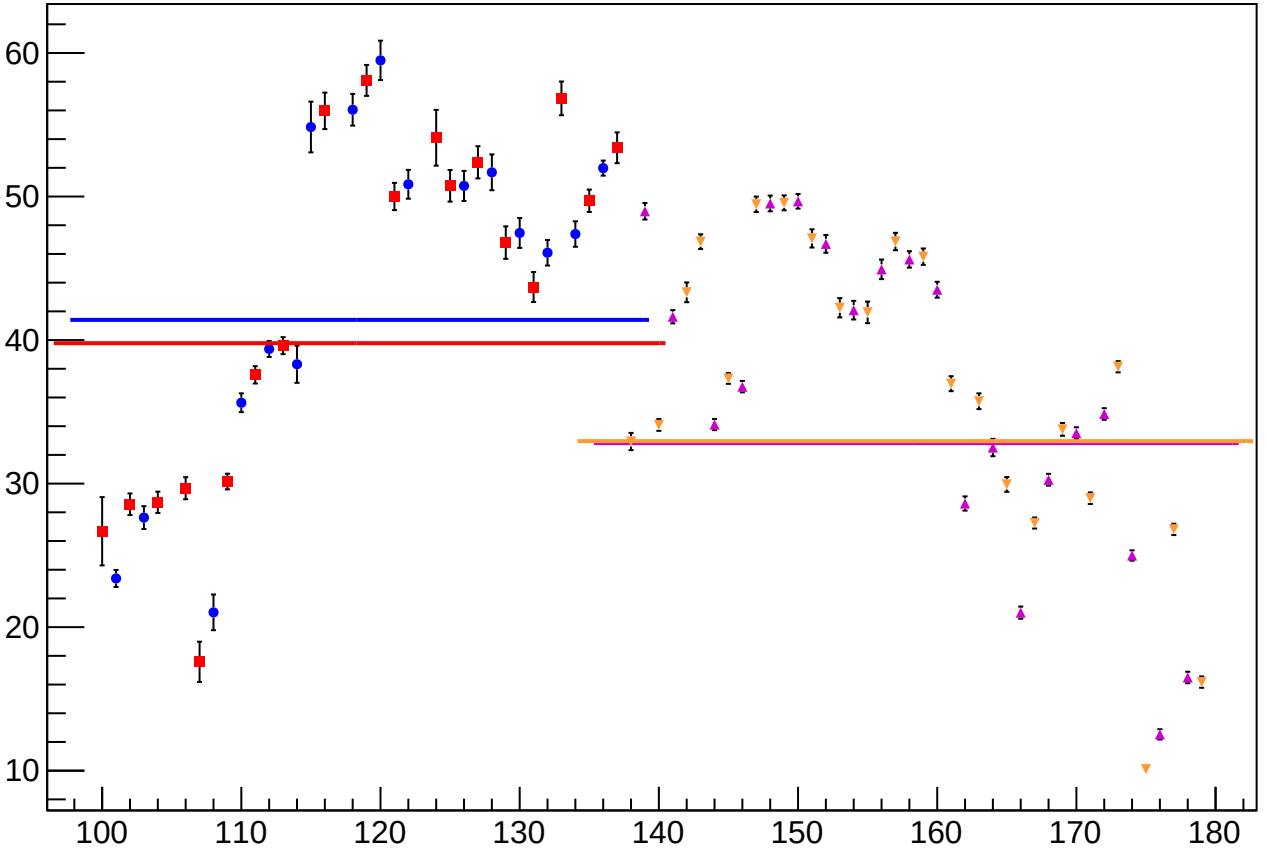
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.244+/-0.072 χ^2/NDF:5974.3/35

Out: 1.874+/-0.070 χ^2/NDF:7171.3/40

All: 2.055+/-0.050 χ^2/NDF: 13159.0/76

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 32.961+/-0.101 χ^2/NDF:12638.8/21

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 32.822+/-0.103 χ^2/NDF:11399.5/19

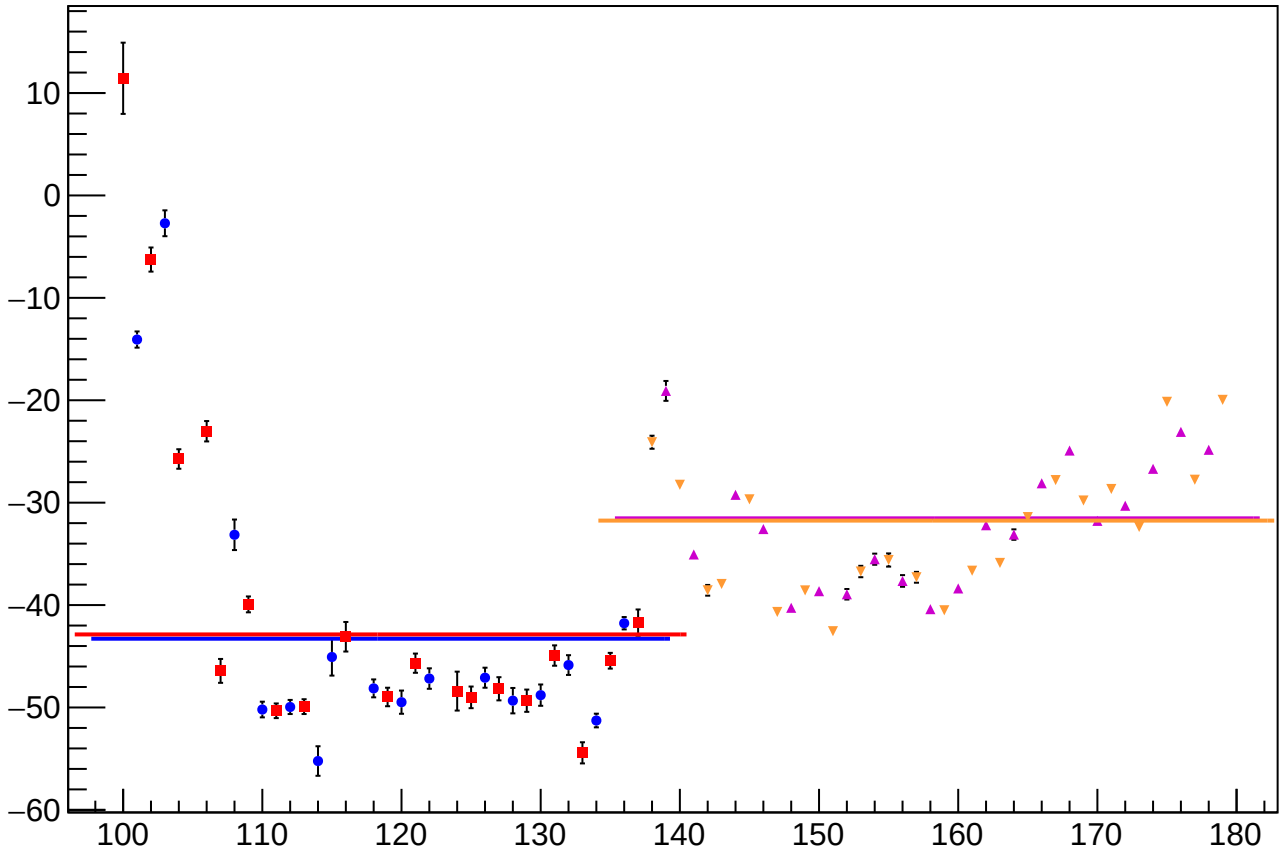
Left: 32.893+/-0.072 χ^2/NDF: 24039.3/41

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 34.490+/-0.093 χ^2/NDF:15483.9/35

Out: 34.309+/-0.090 χ^2/NDF:16200.3/40

All: 34.397+/-0.065 χ^2/NDF: 31686.2/76



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -31.751+/-0.085 χ^2/NDF:5540.6/21

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -31.531+/-0.087 χ^2/NDF:3727.8/19

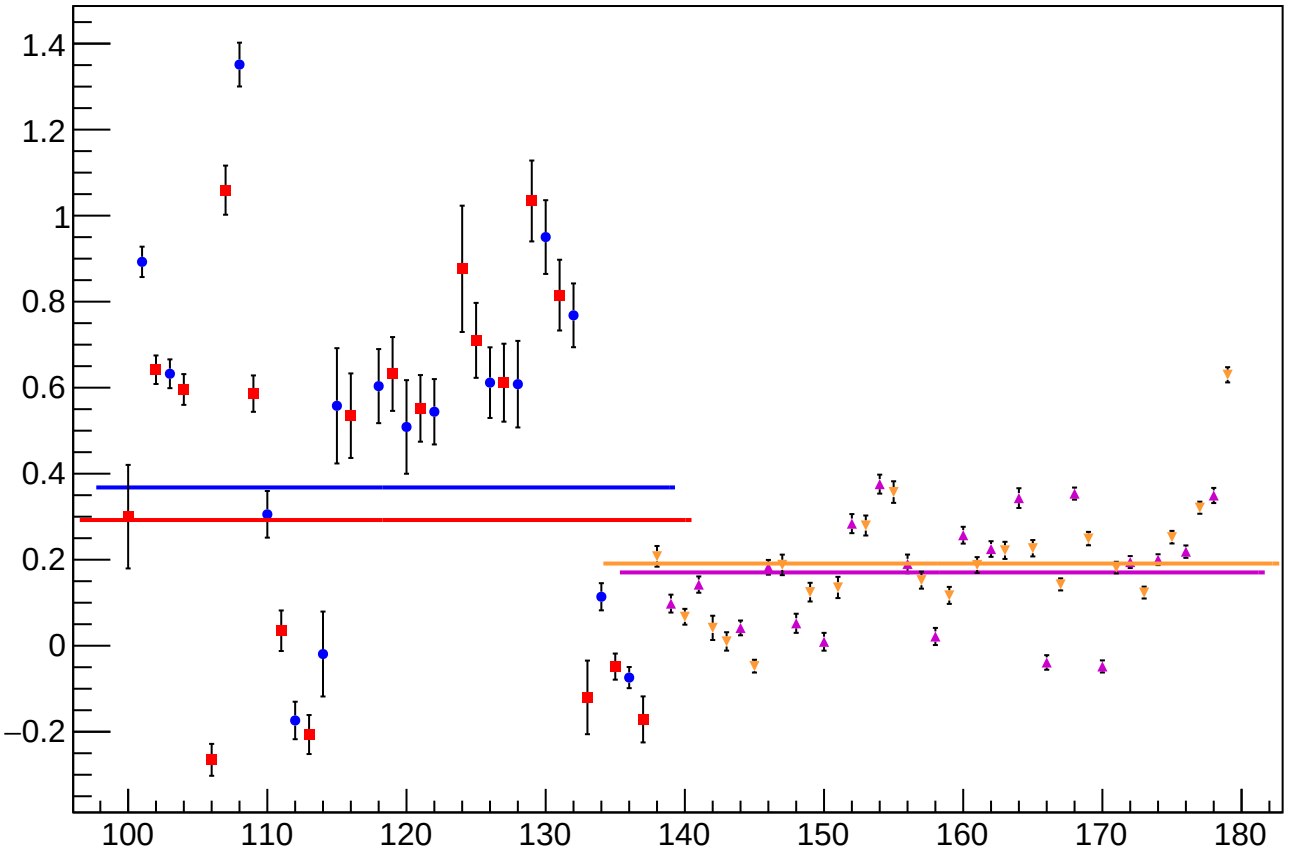
Left: -31.644+/-0.061 χ^2/NDF: 9271.6/41

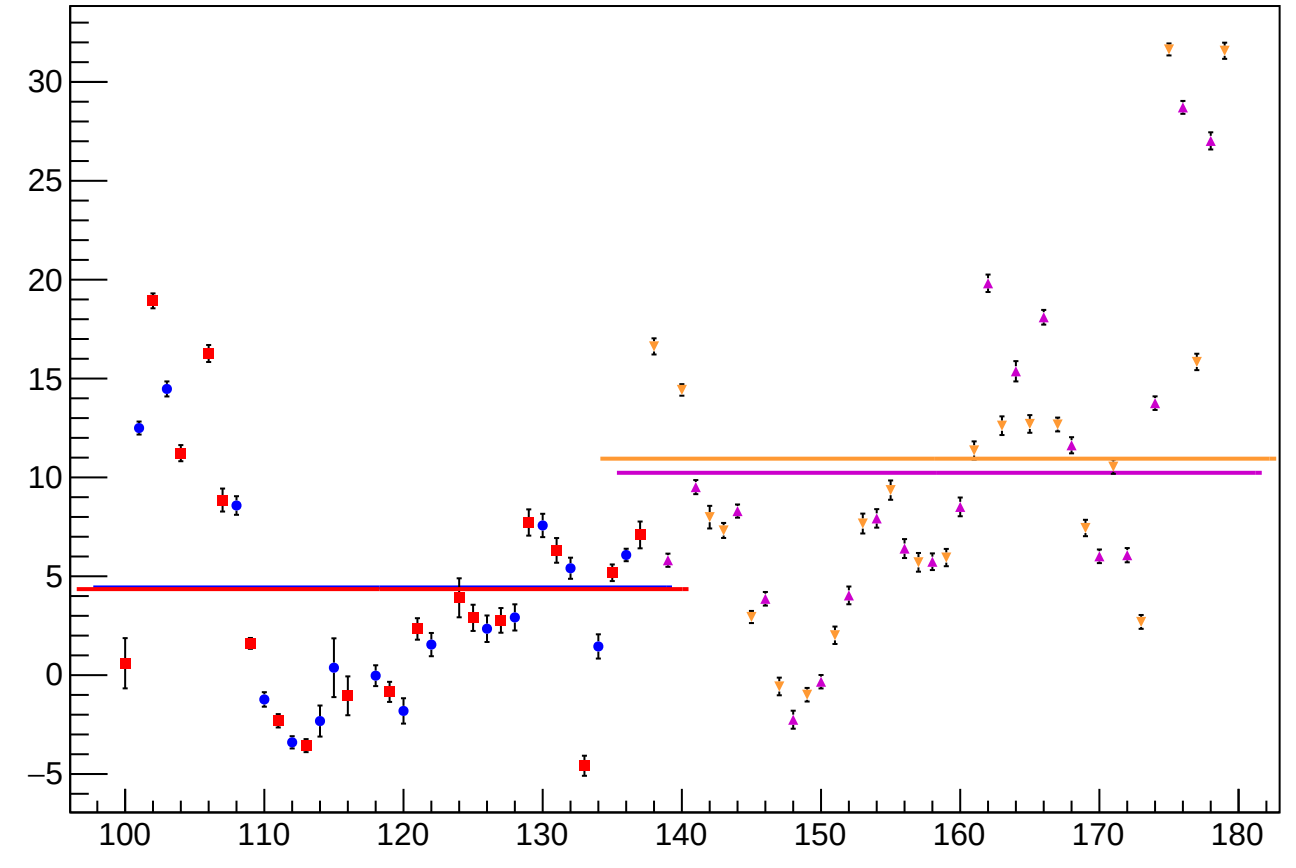
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -33.024+/-0.082 χ^2/NDF:9006.2/35

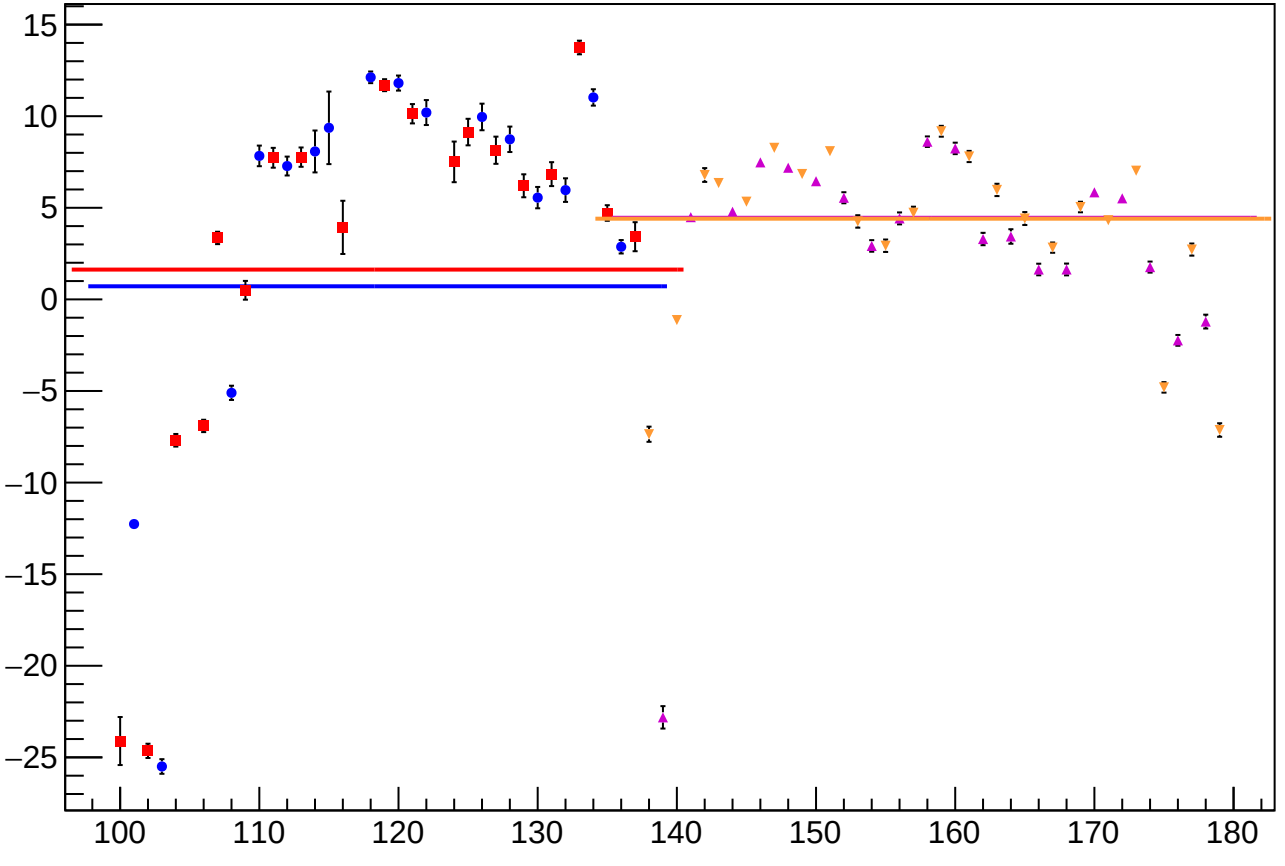
Out: -33.101+/-0.080 χ^2/NDF:10064.4/40

All: -33.064+/-0.057 χ^2/NDF: 19071.0/76


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.191+/-0.004 χ²/NDF:1266.2/21
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.170+/-0.004 χ²/NDF:1100.2/19
Left: 0.181+/-0.003 χ²/NDF: 2380.7/41
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.189+/-0.004 χ²/NDF:2659.1/35
Out: 0.200+/-0.004 χ²/NDF:2528.9/40
All: 0.195+/-0.003 χ²/NDF: 5192.9/76


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 4.435+/-0.117 χ²/NDF: 2622.0/15
Left Out: 10.948+/-0.084 χ²/NDF:11725.7/21
Right Out: 4.351+/-0.109 χ²/NDF: 4205.3/18
Left In: 10.233+/-0.087 χ²/NDF:8808.0/19
Left: 10.602+/-0.060 χ²/NDF: 20568.7/41
Right: 4.390+/-0.080 χ²/NDF: 6827.6/34
In: 8.178+/-0.070 χ²/NDF:13016.6/35
Out: 8.489+/-0.067 χ²/NDF:18225.0/40
All: 8.341+/-0.048 χ²/NDF: 31252.0/76

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.405+/-0.061 χ^2/NDF:4699.6/21

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.455+/-0.064 χ^2/NDF:3858.3/19

Left: 4.429+/-0.044 χ^2/NDF: 8558.3/41

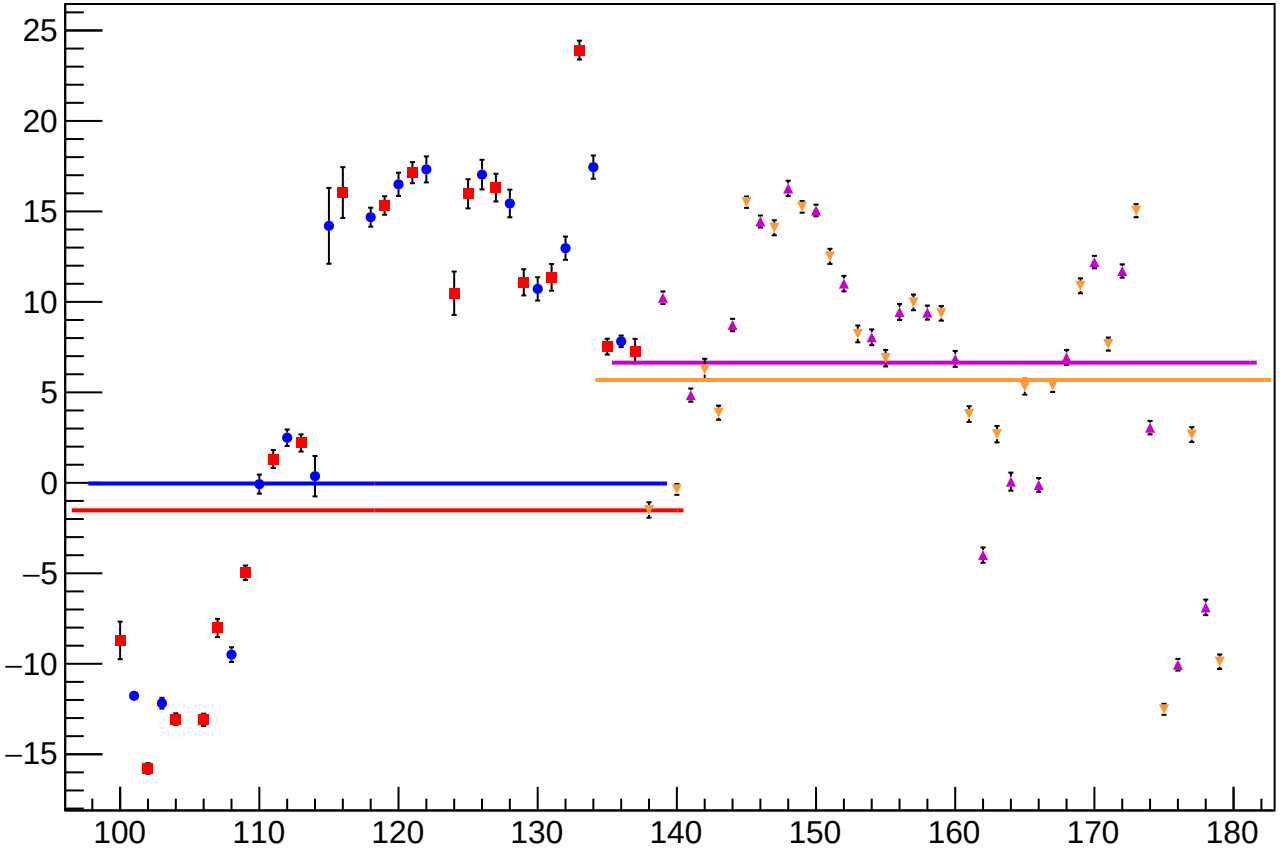
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.577+/-0.056 χ^2/NDF:15108.8/35

Out: 3.753+/-0.054 χ^2/NDF:14434.2/40

All: 3.669+/-0.039 χ^2/NDF: 29548.1/76

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 5.683+/-0.083 χ^2/NDF:9530.3/21

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 6.642+/-0.085 χ^2/NDF:7479.8/19

Left: 6.149+/-0.060 χ^2/NDF: 17074.8/41

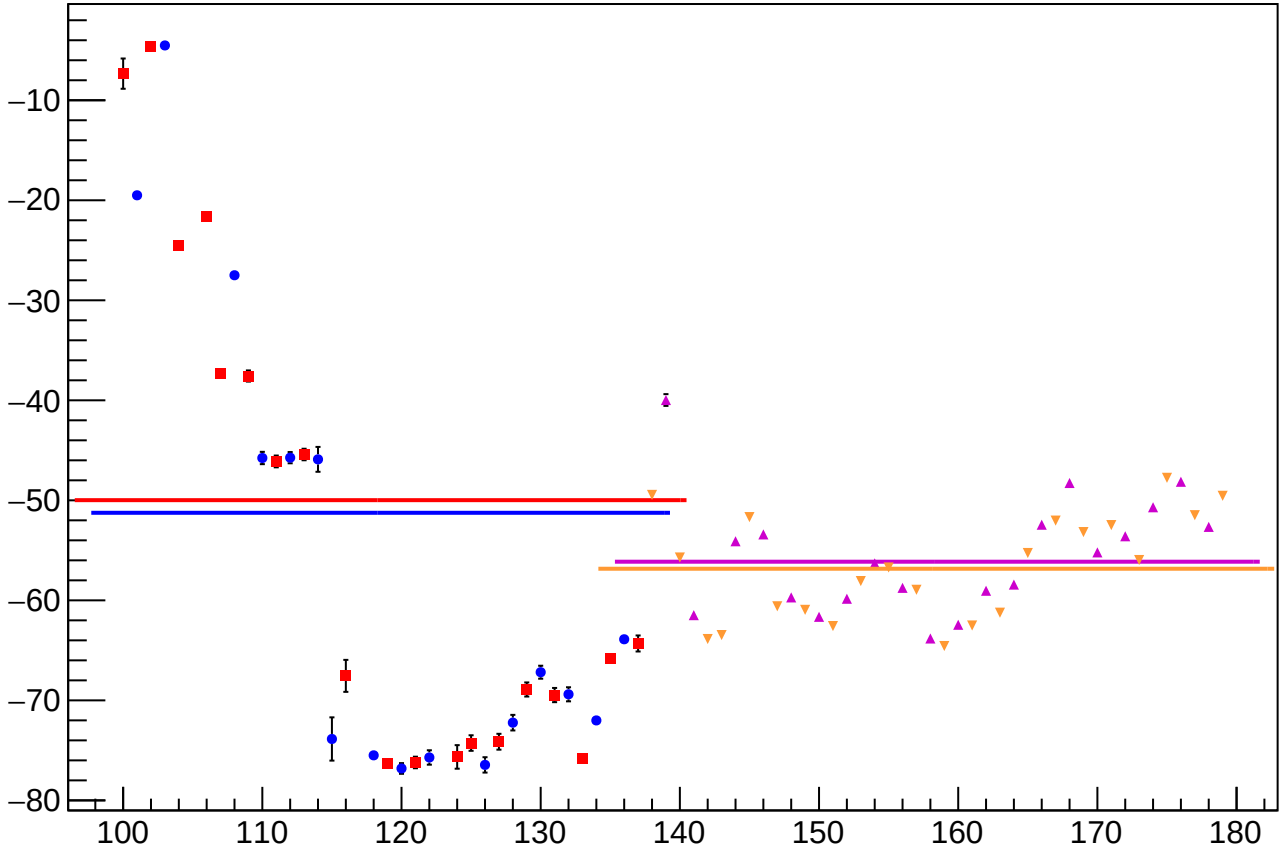
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.377+/-0.069 χ^2/NDF:18824.2/35

Out: 3.216+/-0.067 χ^2/NDF:24236.9/40

All: 3.778+/-0.048 χ^2/NDF: 43205.2/76

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -56.840+/-0.070 χ^2/NDF:5185.4/21

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.136+/-0.073 χ^2/NDF:4690.0/19

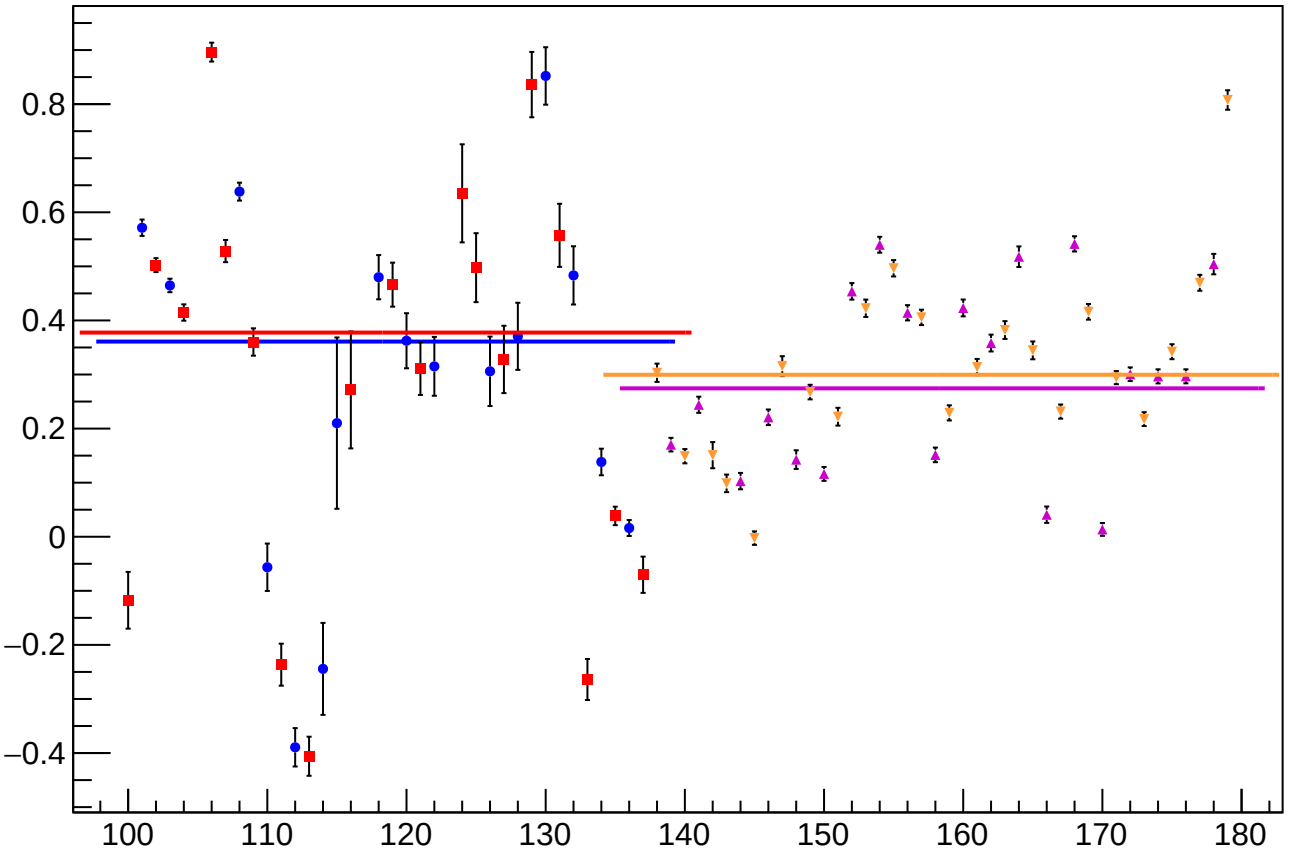
Left: -56.501+/-0.051 χ^2/NDF: 9923.8/41

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.043+/-0.064 χ^2/NDF:39462.8/35

Out: -55.305+/-0.062 χ^2/NDF:41214.6/40

All: -55.179+/-0.045 χ^2/NDF: 80686.0/76



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.300+/-0.003 χ^2/NDF:2350.3/21

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.274+/-0.003 χ^2/NDF:2587.8/19

Left: 0.287+/-0.002 χ^2/NDF: 4969.3/41

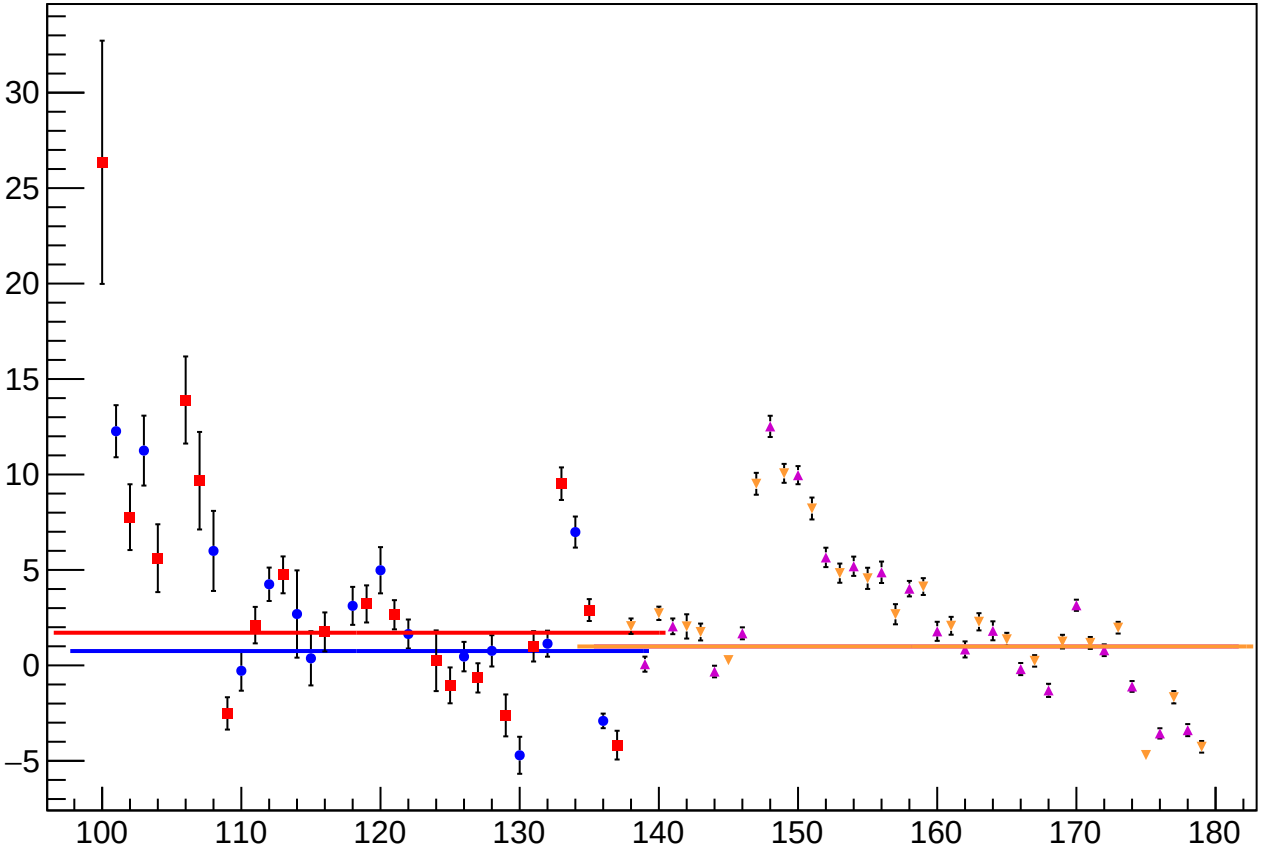
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.292+/-0.003 χ^2/NDF:4595.1/35

Out: 0.316+/-0.003 χ^2/NDF:5269.2/40

All: 0.304+/-0.002 χ^2/NDF: 9900.4/76

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 0.991+/-0.080 χ^2/NDF:1823.1/21

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.991+/-0.082 χ^2/NDF:1731.3/19

Left: 0.991+/-0.057 χ^2/NDF: 3554.4/41

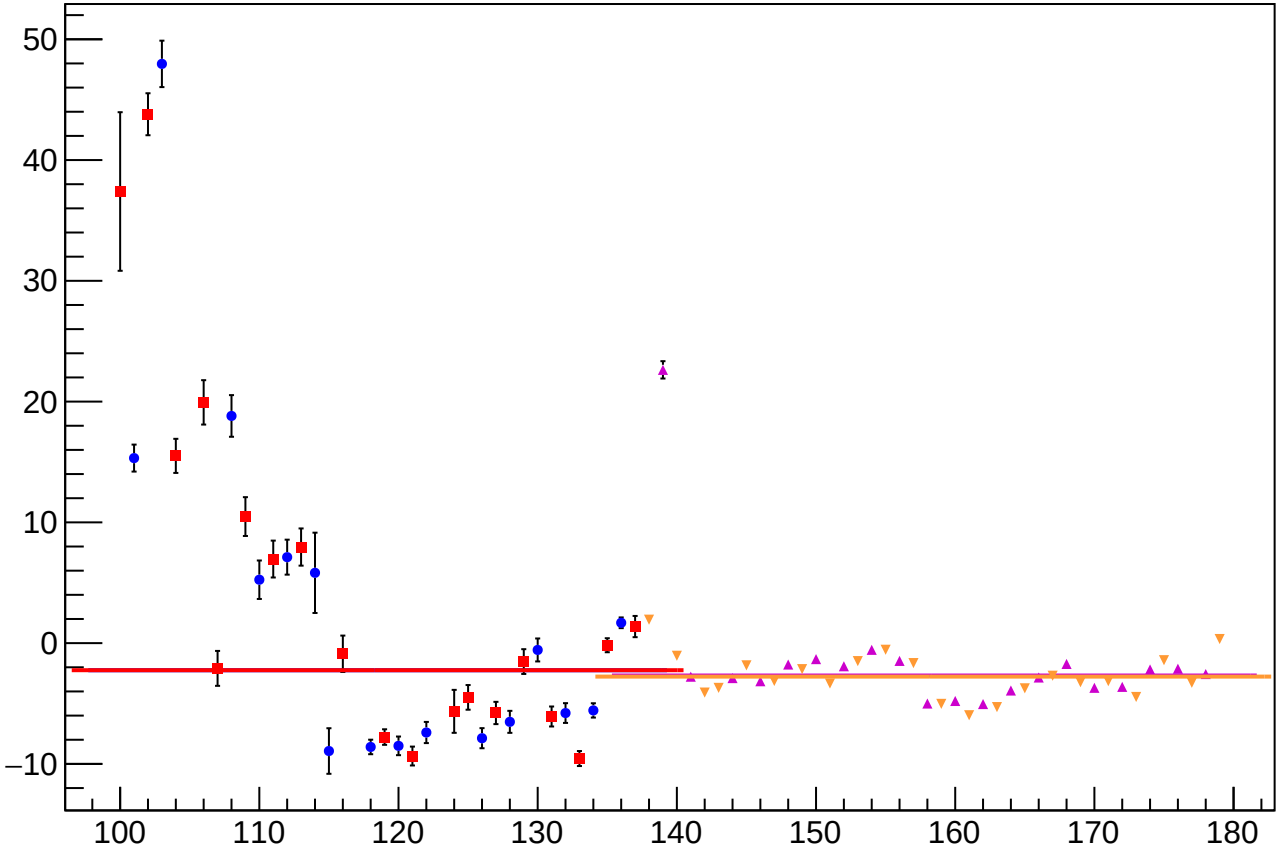
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.960+/-0.077 χ^2/NDF:2062.5/35

Out: 1.073+/-0.075 χ^2/NDF:2126.2/40

All: 1.017+/-0.054 χ^2/NDF: 4189.8/76

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.771+/-0.060 χ^2/NDF:742.8/21

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.682+/-0.062 χ^2/NDF:1572.5/19

Left: -2.727+/-0.043 χ^2/NDF: 2316.4/41

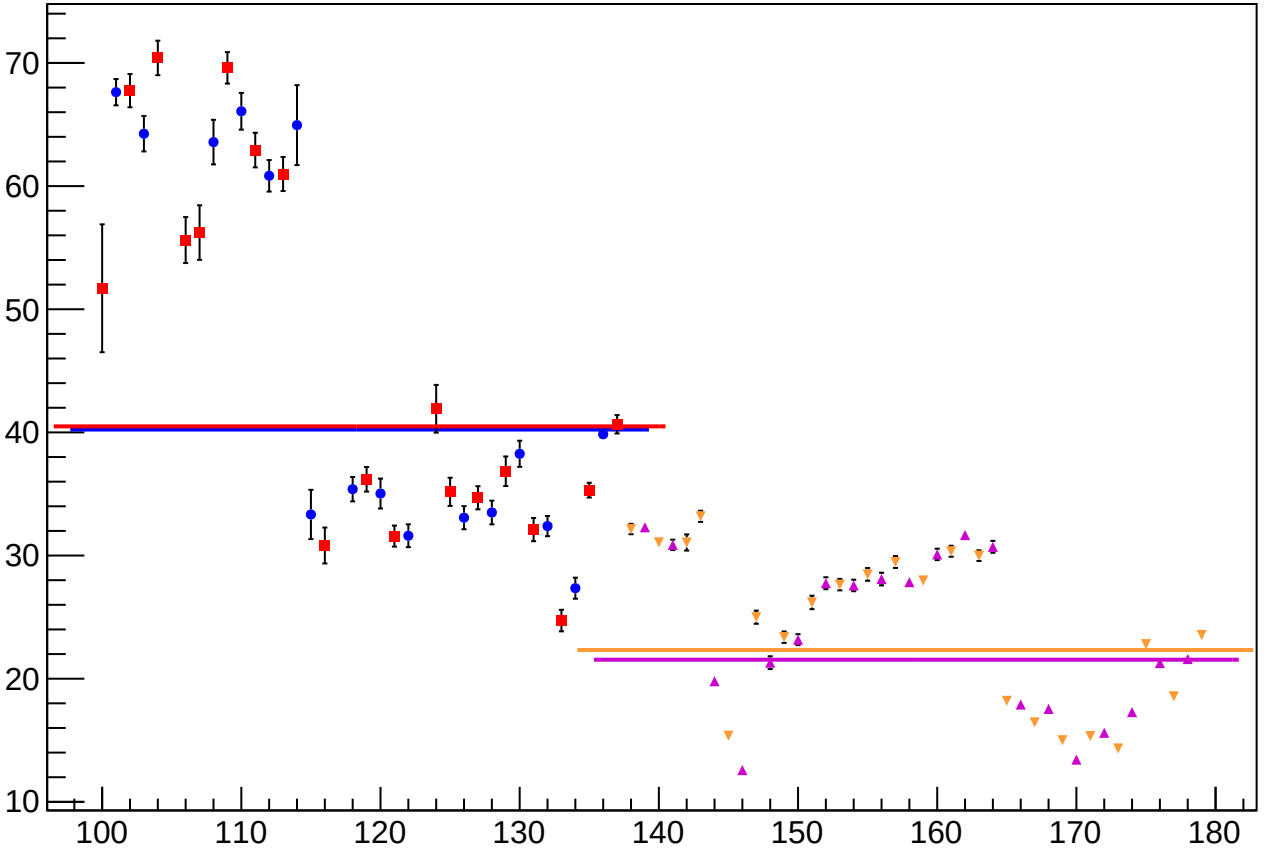
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.649+/-0.059 χ^2/NDF:3148.8/35

Out: -2.737+/-0.058 χ^2/NDF:2303.4/40

All: -2.693+/-0.042 χ^2/NDF: 5453.4/76

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.333+/-0.080 χ^2/NDF:6148.0/21

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.543+/-0.081 χ^2/NDF:5775.0/19

Left: 21.947+/-0.057 χ^2/NDF: 11971.3/41

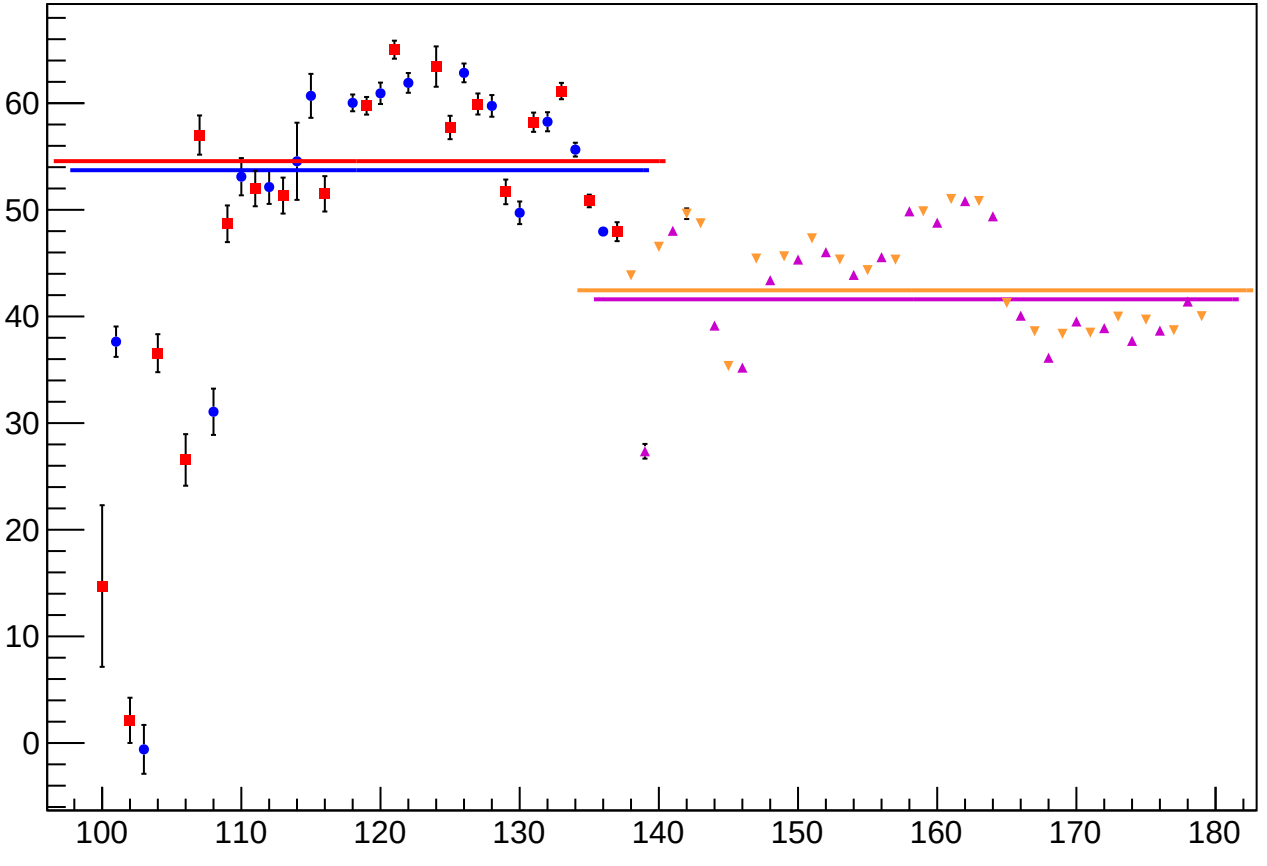
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.602+/-0.077 χ^2/NDF:13868.8/35

Out: 23.996+/-0.076 χ^2/NDF:13621.2/40

All: 23.802+/-0.054 χ^2/NDF: 27503.3/76

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.452+/-0.068 χ^2/NDF:4859.9/21

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.608+/-0.069 χ^2/NDF:5140.0/19

Left: 42.040+/-0.048 χ^2/NDF: 10075.9/41

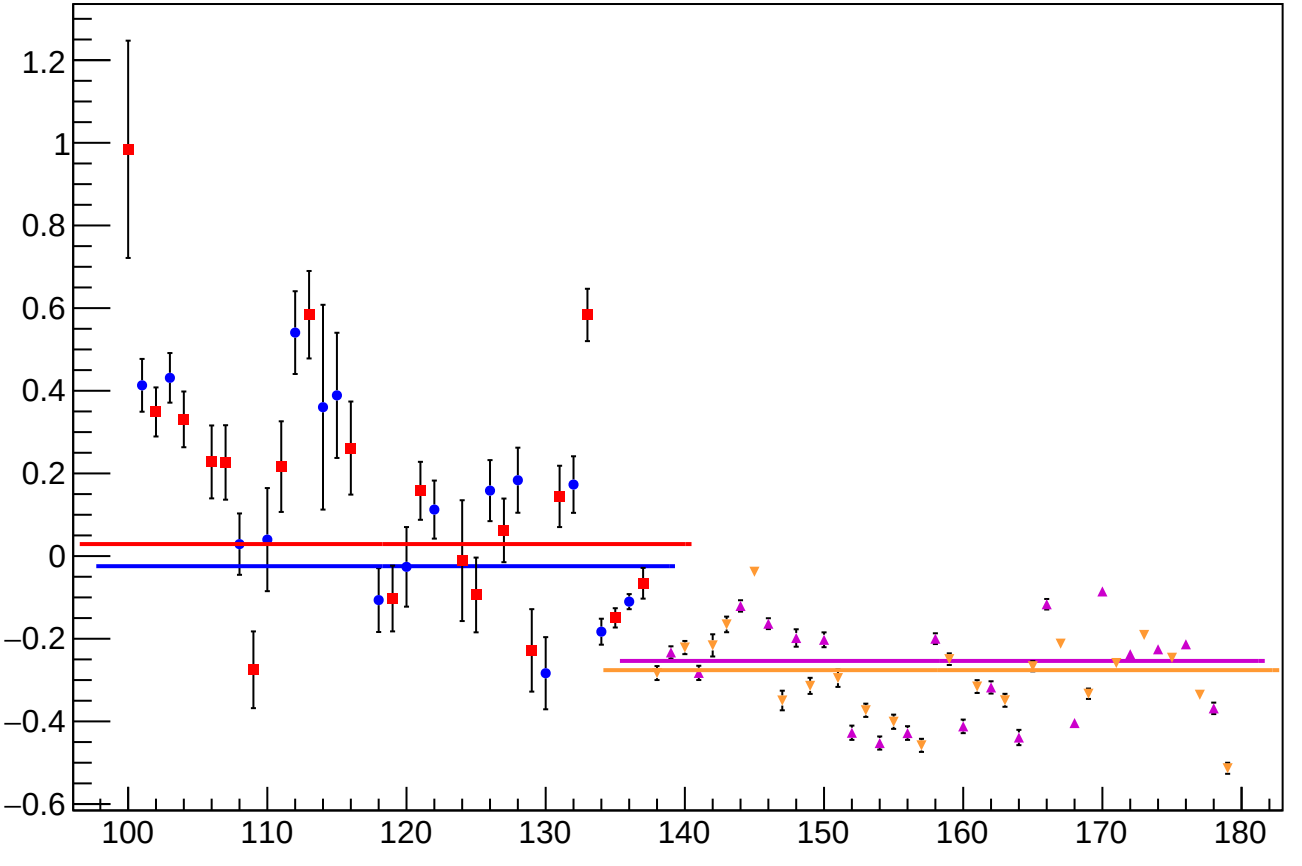
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 42.547+/-0.067 χ^2/NDF:8869.6/35

Out: 43.242+/-0.065 χ^2/NDF:8293.1/40

All: 42.901+/-0.047 χ^2/NDF: 17218.1/76

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.276+/-0.003 χ^2/NDF:1268.7/21

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.254+/-0.003 χ^2/NDF:1400.3/19

Left: -0.265+/-0.002 χ^2/NDF: 2695.9/41

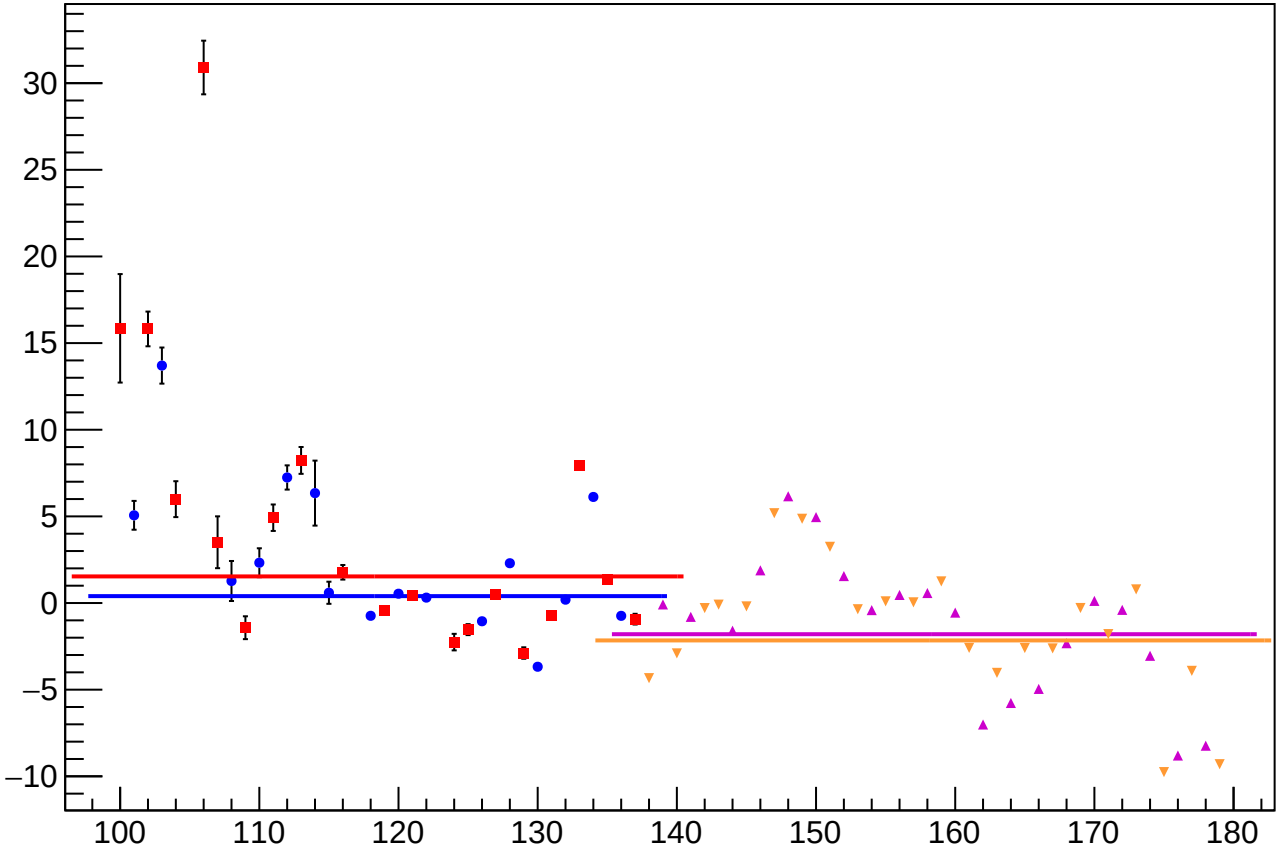
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.241+/-0.003 χ^2/NDF:1933.2/35

Out: -0.263+/-0.003 χ^2/NDF:1983.8/40

All: -0.252+/-0.002 χ^2/NDF: 3943.6/76

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -2.158+/-0.031 χ^2/NDF:16071.4/21

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -1.799+/-0.032 χ^2/NDF:14356.5/19

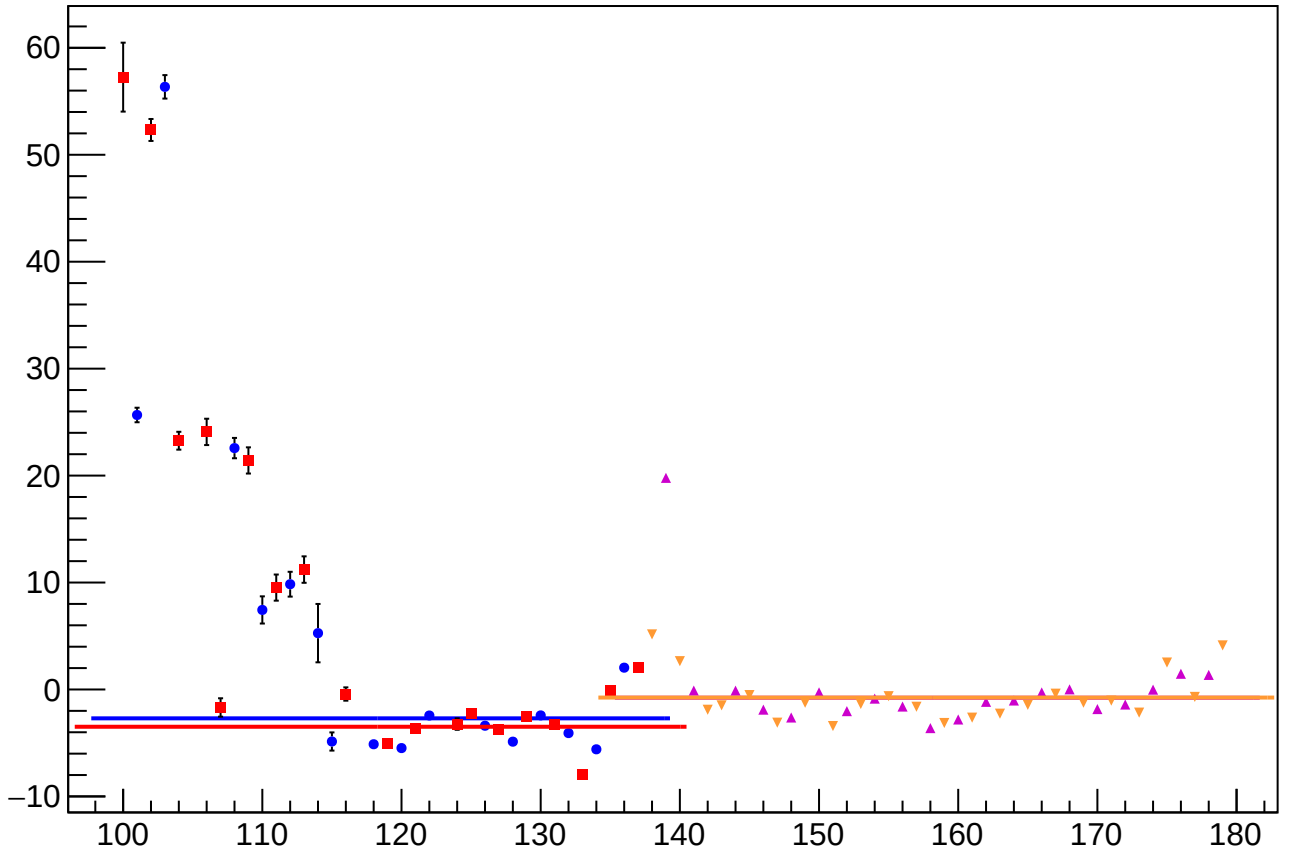
Left: -1.983+/-0.022 χ^2/NDF: 30494.1/41

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -1.483+/-0.029 χ^2/NDF:16149.9/35

Out: -1.659+/-0.029 χ^2/NDF:20413.4/40

All: -1.572+/-0.020 χ^2/NDF: 36581.6/76



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.756+/-0.023 χ^2/NDF:7742.0/21

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.773+/-0.024 χ^2/NDF:9368.0/19

Left: -0.765+/-0.017 χ^2/NDF: 17110.2/41

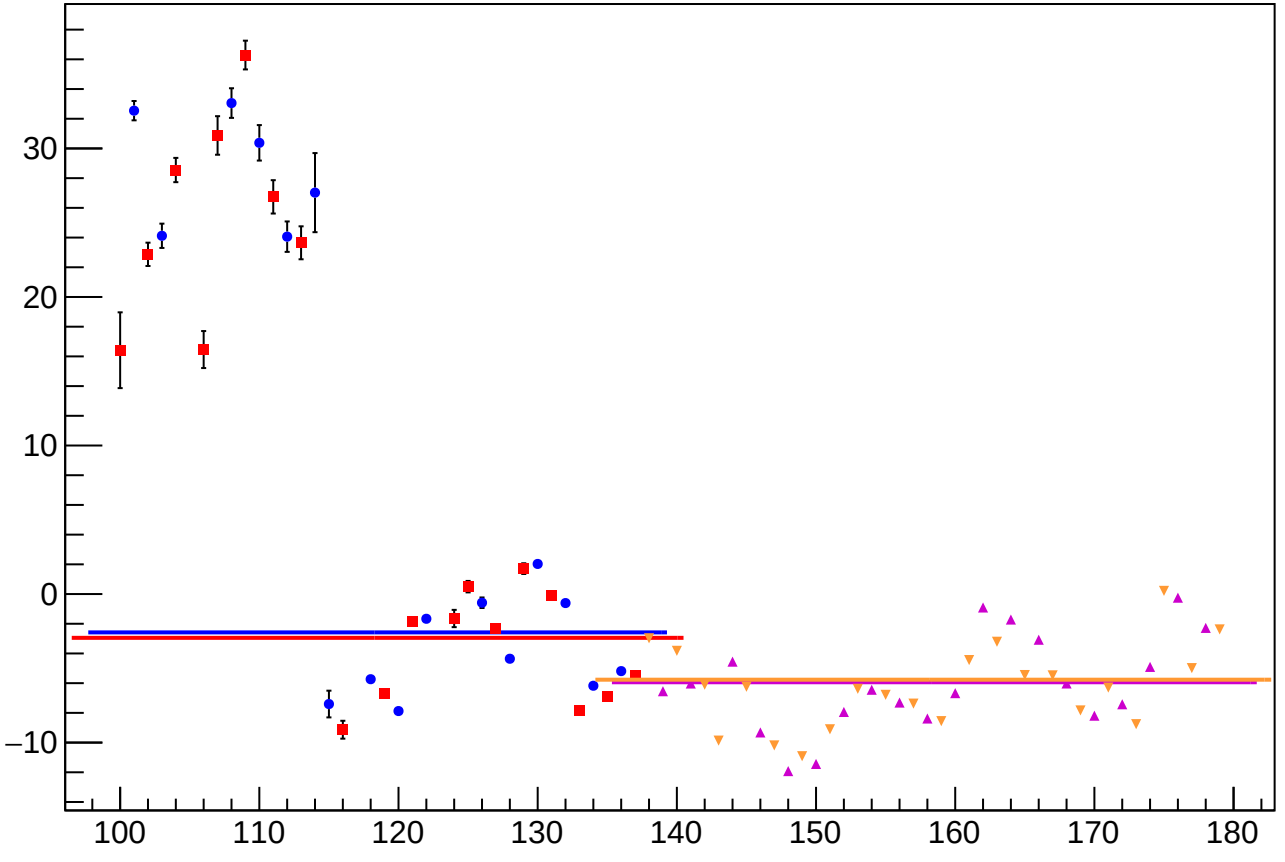
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.968+/-0.022 χ^2/NDF:17138.1/35

Out: -1.020+/-0.022 χ^2/NDF:16242.0/40

All: -0.995+/-0.016 χ^2/NDF: 33382.9/76

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.767+/-0.031 χ^2/NDF:9355.7/21

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -5.939+/-0.031 χ^2/NDF:10018.5/19

Left: -5.851+/-0.022 χ^2/NDF: 19389.6/41

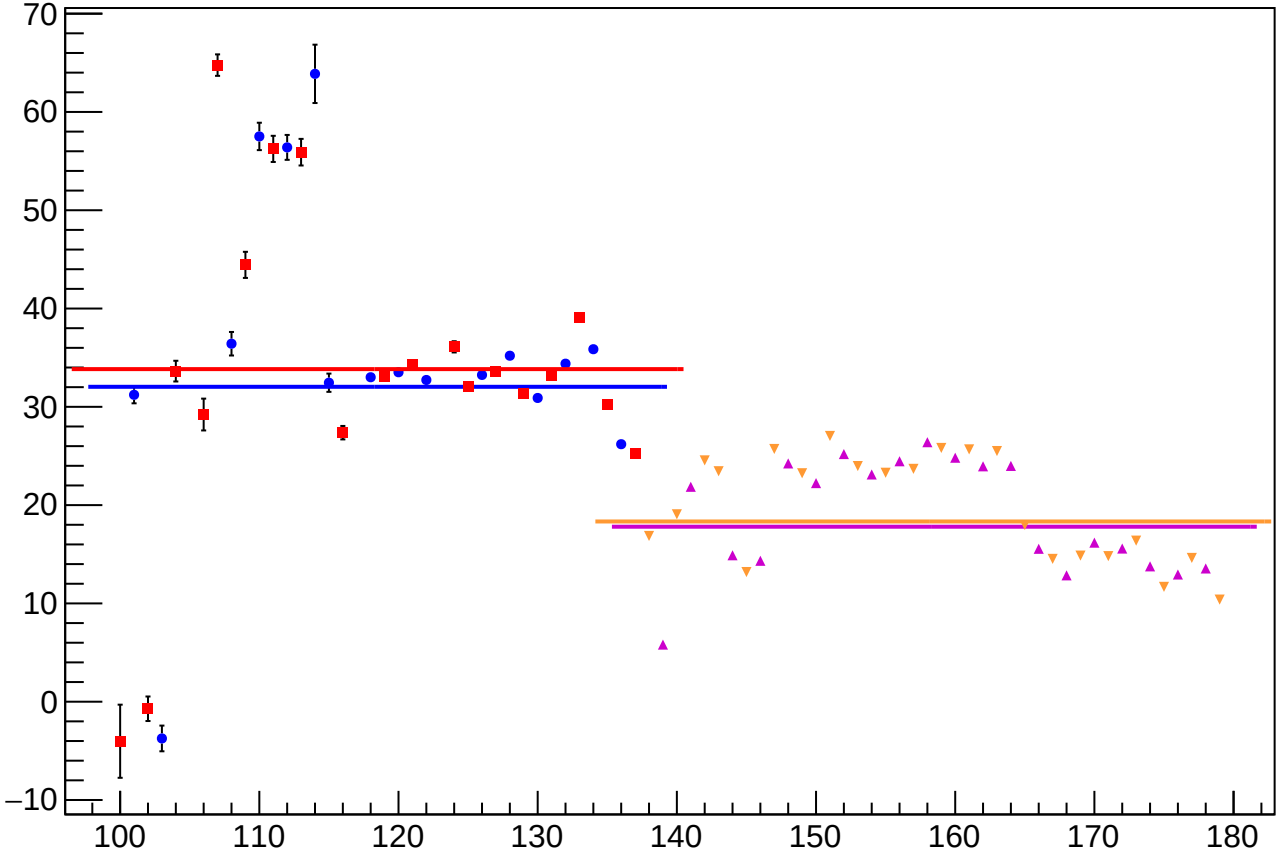
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.520+/-0.029 χ^2/NDF:19607.0/35

Out: -5.440+/-0.029 χ^2/NDF:18525.7/40

All: -5.479+/-0.021 χ^2/NDF: 38136.5/76

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.336+/-0.026 χ^2/NDF:40107.0/21

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.804+/-0.027 χ^2/NDF:32434.2/19

Left: 18.076+/-0.019 χ^2/NDF: 72742.7/41

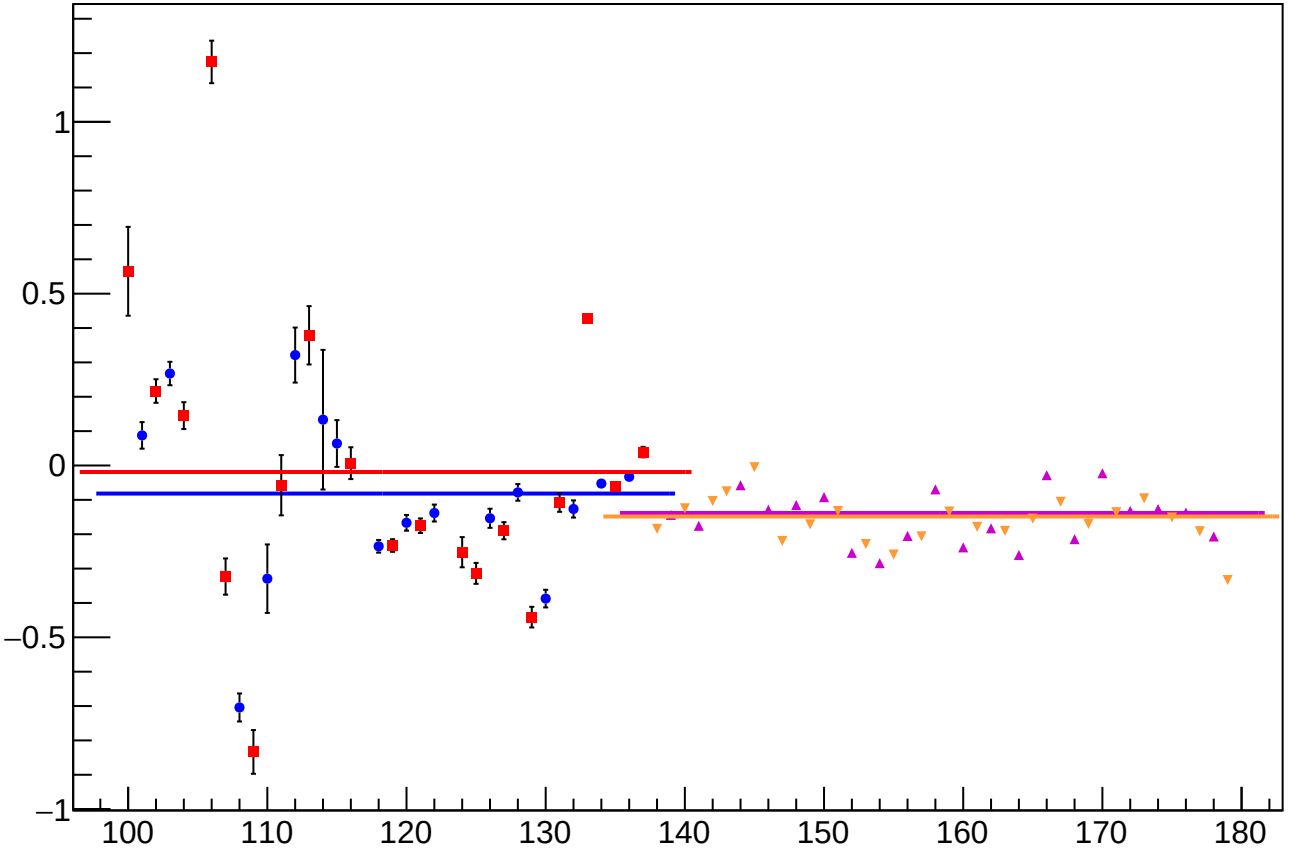
Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 19.201+/-0.025 χ^2/NDF:63343.1/35

Out: 19.785+/-0.025 χ^2/NDF:77043.6/40

All: 19.499+/-0.018 χ^2/NDF: 140654.7/76

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.148+/-0.001 χ^2/NDF:3593.9/21

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.138+/-0.001 χ^2/NDF:3697.9/19

Left: -0.143+/-0.001 χ^2/NDF: 7329.3/41

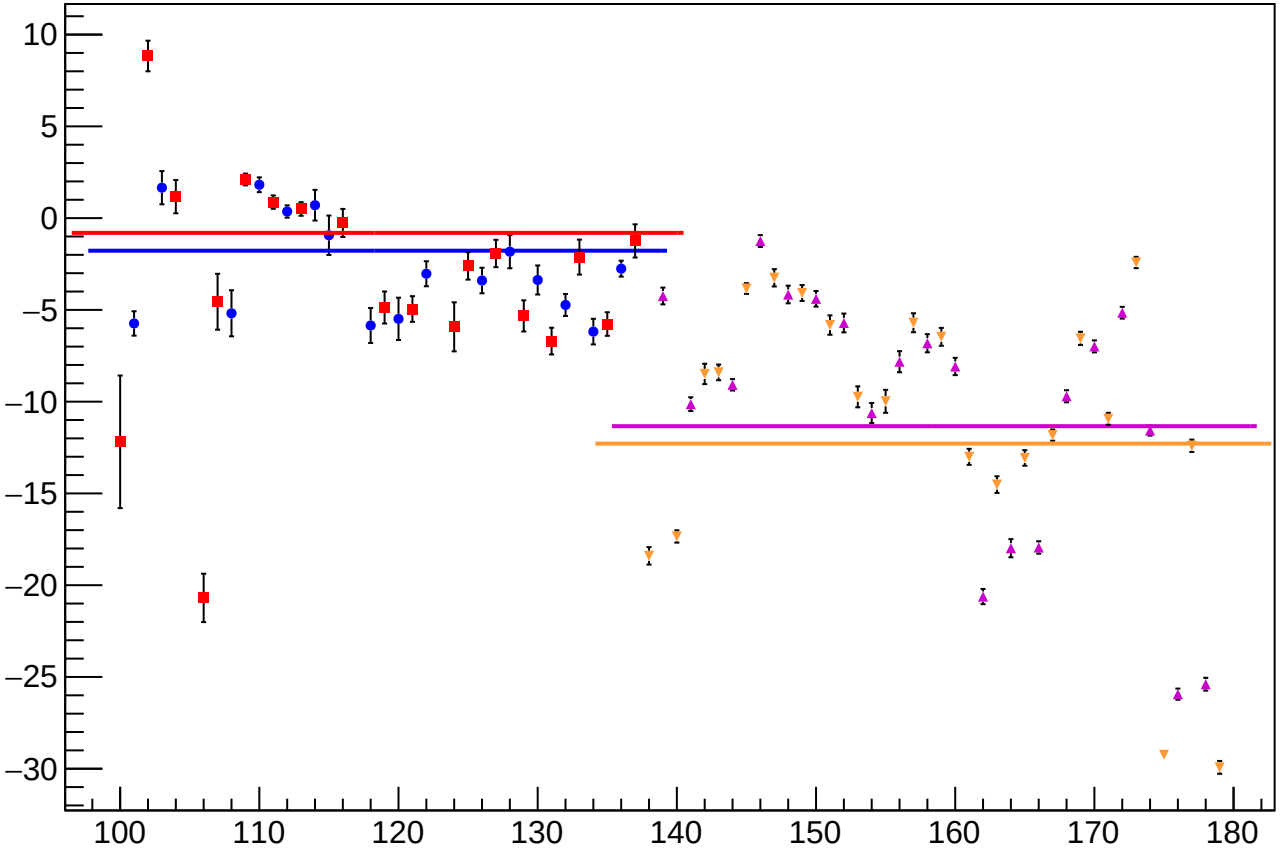
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.135+/-0.001 χ^2/NDF:4516.6/35

Out: -0.142+/-0.001 χ^2/NDF:6457.8/40

All: -0.139+/-0.001 χ^2/NDF: 10993.9/76

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -12.285+/-0.083 χ^2/NDF:10365.3/21

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -11.335+/-0.085 χ^2/NDF:7618.8/19

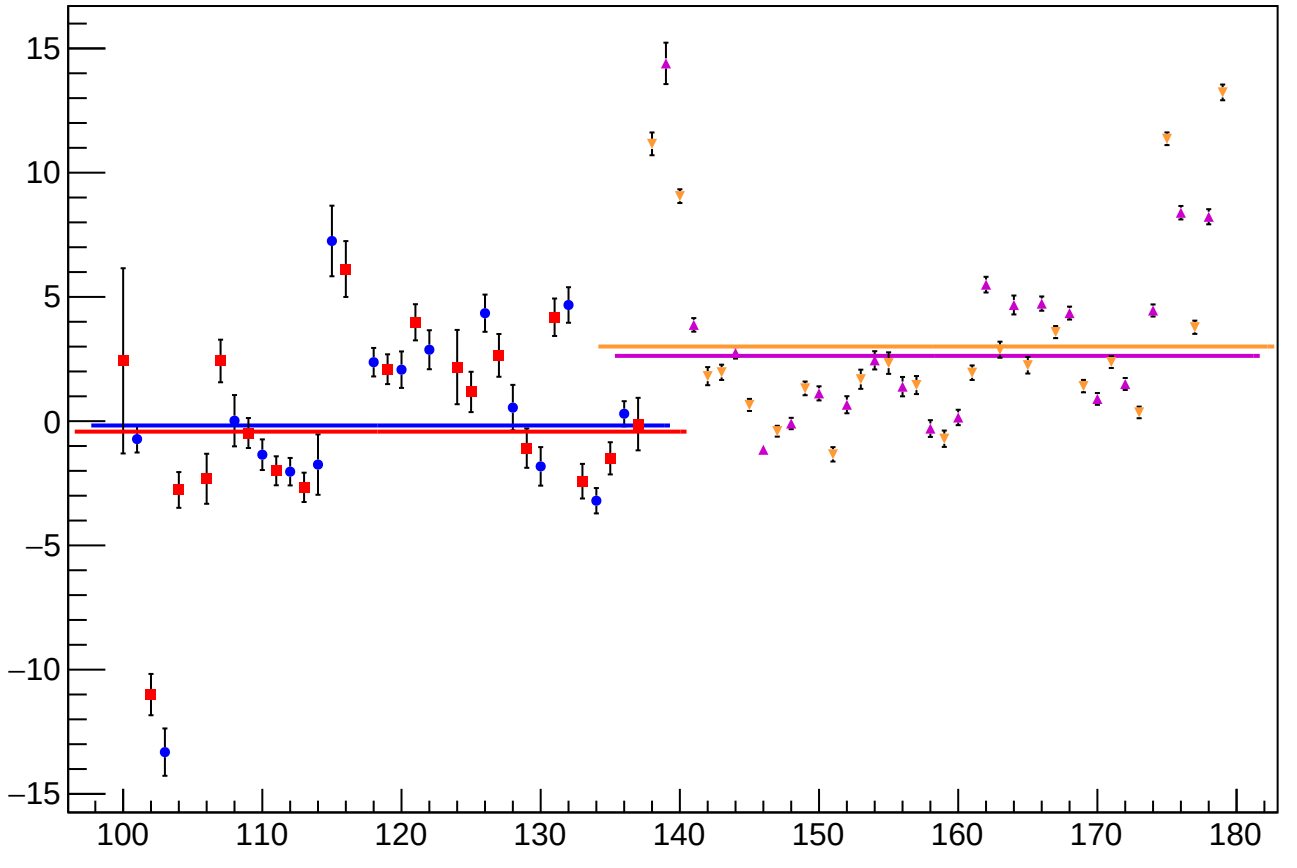
Left: -11.820+/-0.059 χ^2/NDF: 18048.3/41

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -9.180+/-0.075 χ^2/NDF:10784.0/35

Out: -9.551+/-0.072 χ^2/NDF:15665.1/40

All: -9.371+/-0.052 χ^2/NDF: 26461.8/76



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 3.004+/-0.061 χ^2/NDF:3903.2/21

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.627+/-0.063 χ^2/NDF:2078.9/19

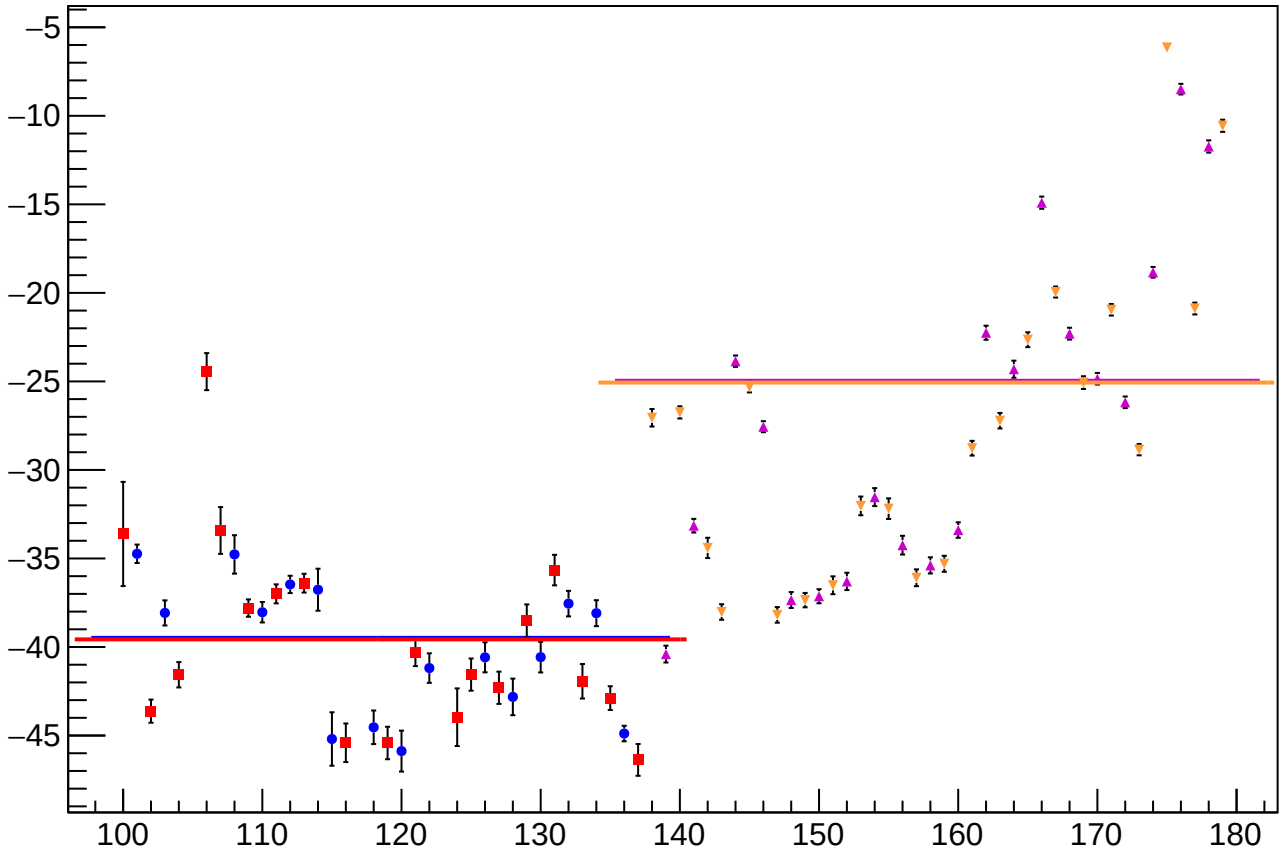
Left: 2.820+/-0.044 χ^2/NDF: 6000.6/41

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 2.301+/-0.059 χ^2/NDF:2713.7/35

Out: 2.638+/-0.058 χ^2/NDF:4603.2/40

All: 2.473+/-0.041 χ^2/NDF: 7333.5/76



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -25.065+/-0.082 χ^2/NDF:12403.3/21

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -24.964+/-0.084 χ^2/NDF:11038.7/19

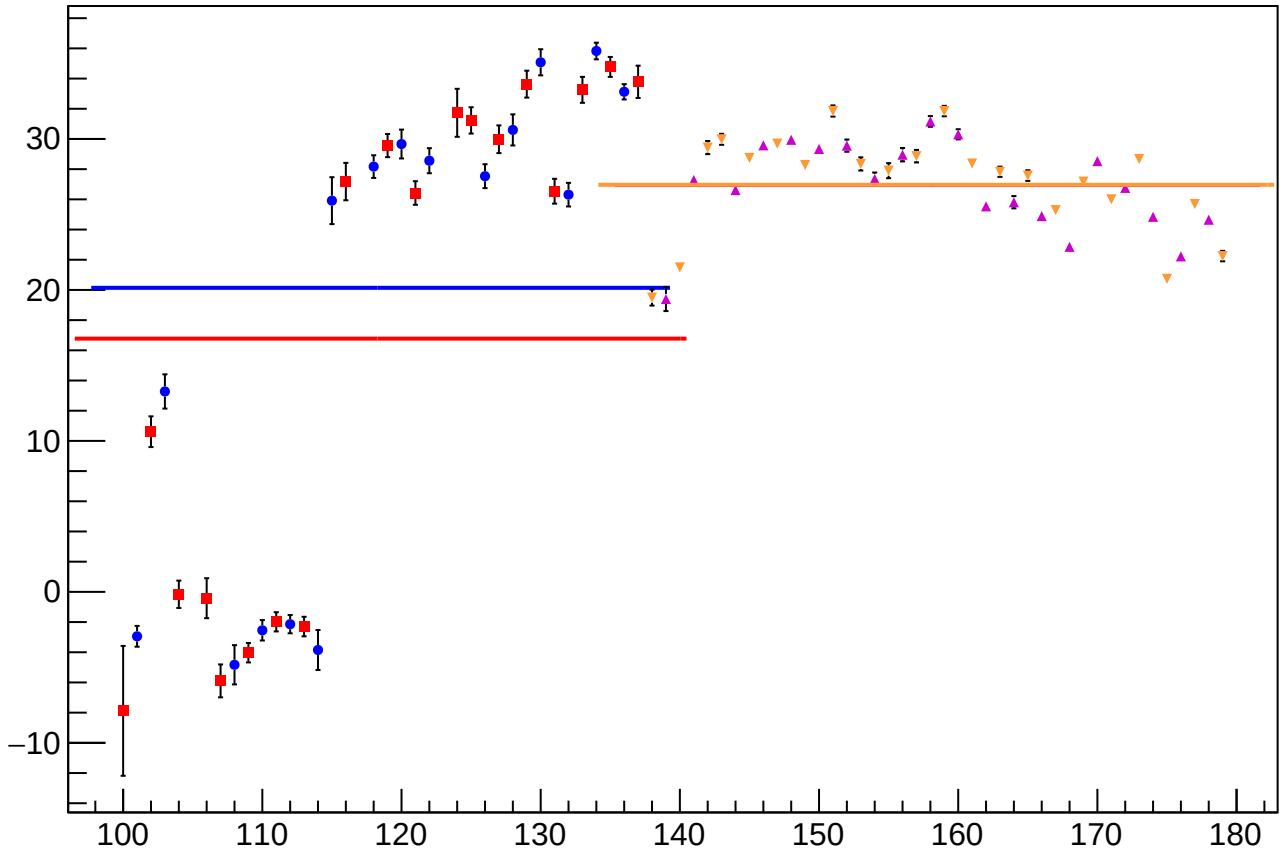
Left: -25.016+/-0.059 χ^2/NDF: 23442.7/41

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -27.564+/-0.076 χ^2/NDF:16776.2/35

Out: -27.551+/-0.075 χ^2/NDF:18279.2/40

All: -27.557+/-0.053 χ^2/NDF: 35055.4/76



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.965+/-0.069 χ^2/NDF:1998.8/21

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 26.948+/-0.071 χ^2/NDF:1330.4/19

Left: 26.956+/-0.050 χ^2/NDF: 3329.3/41

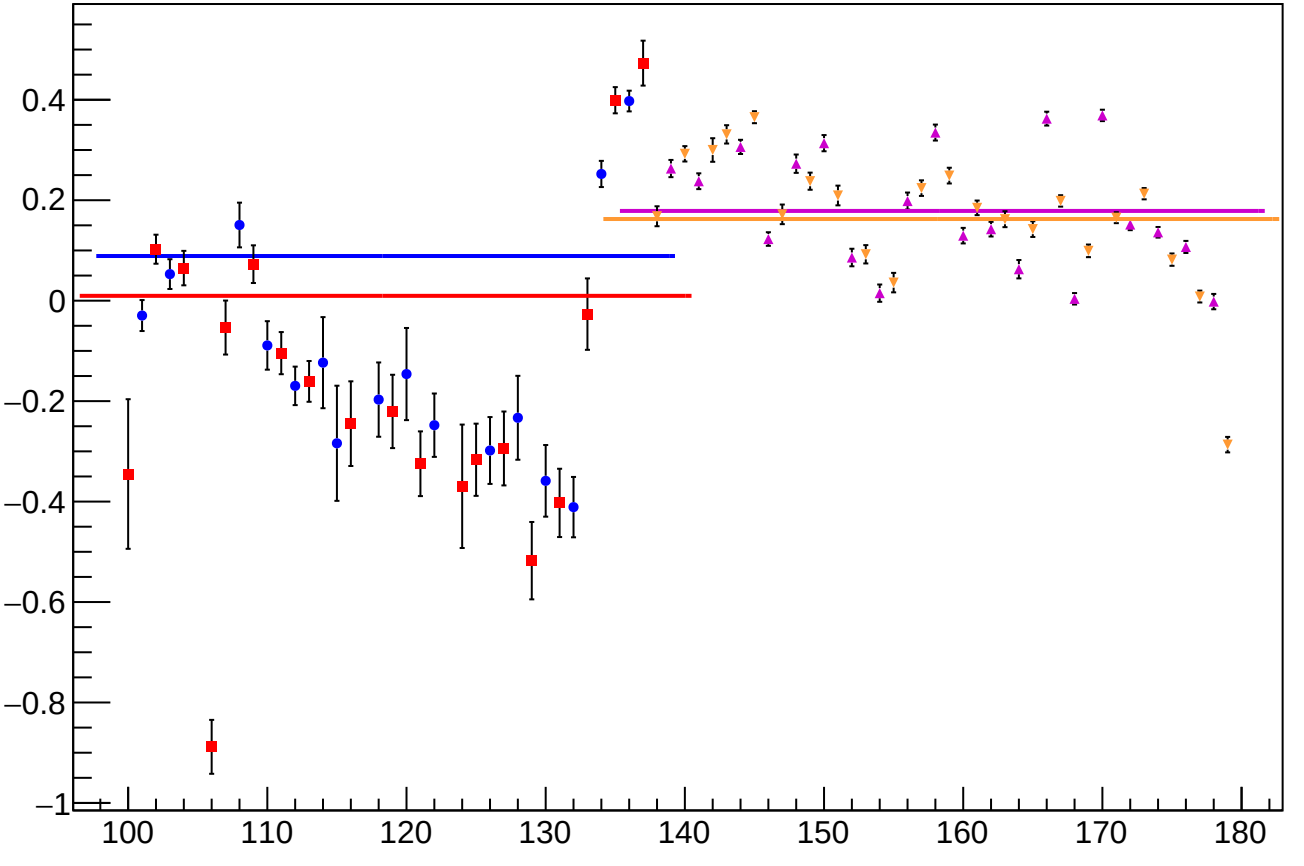
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.146+/-0.067 χ^2/NDF:9093.6/35

Out: 25.866+/-0.066 χ^2/NDF:11060.6/40

All: 26.004+/-0.047 χ^2/NDF: 20163.2/76

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.163+/-0.003 χ^2/NDF:1730.4/21

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.179+/-0.003 χ^2/NDF:1395.4/19

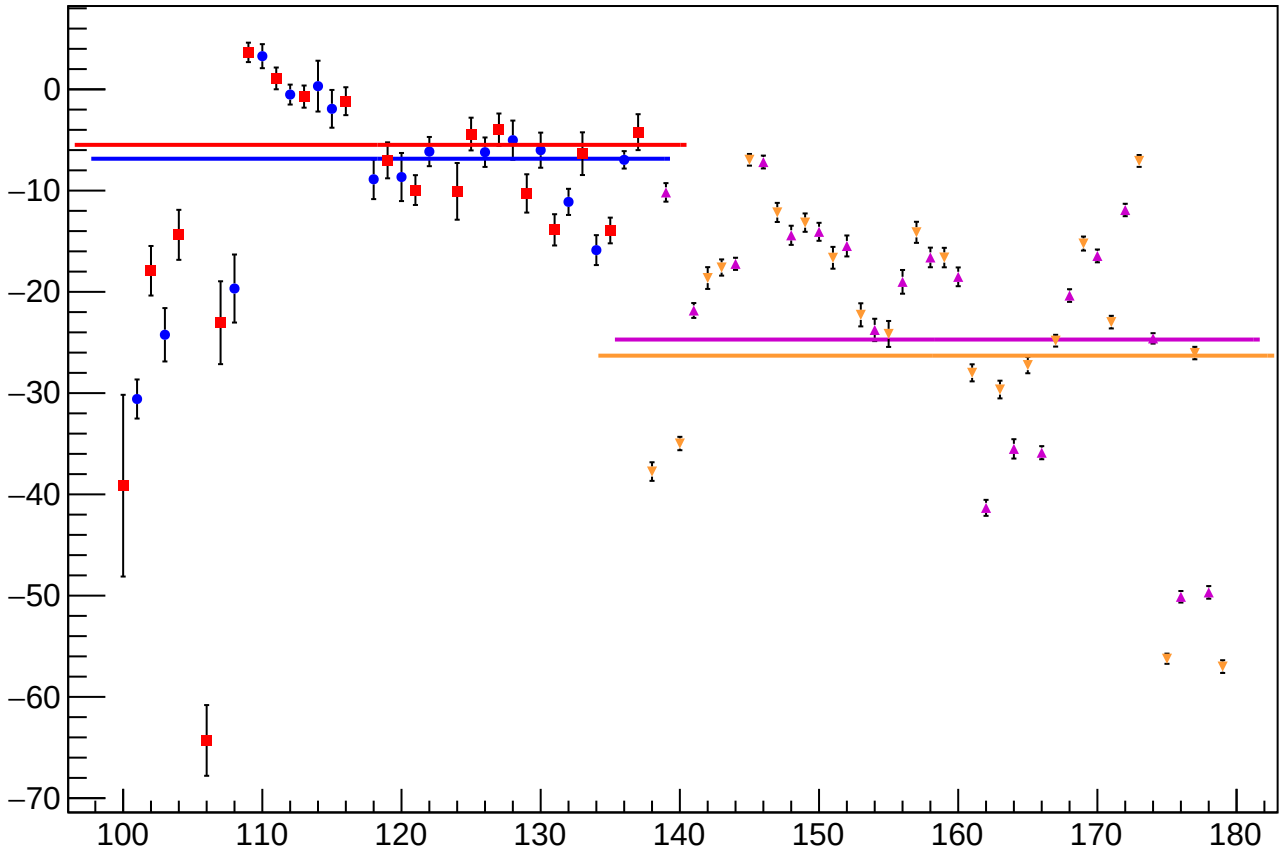
Left: 0.171+/-0.002 χ^2/NDF: 3138.9/41

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.171+/-0.003 χ^2/NDF:2027.3/35

Out: 0.151+/-0.003 χ^2/NDF:2743.6/40

All: 0.161+/-0.002 χ^2/NDF: 4792.6/76



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -26.300+/-0.159 χ^2/NDF:9692.1/21

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -24.710+/-0.163 χ^2/NDF:6770.6/19

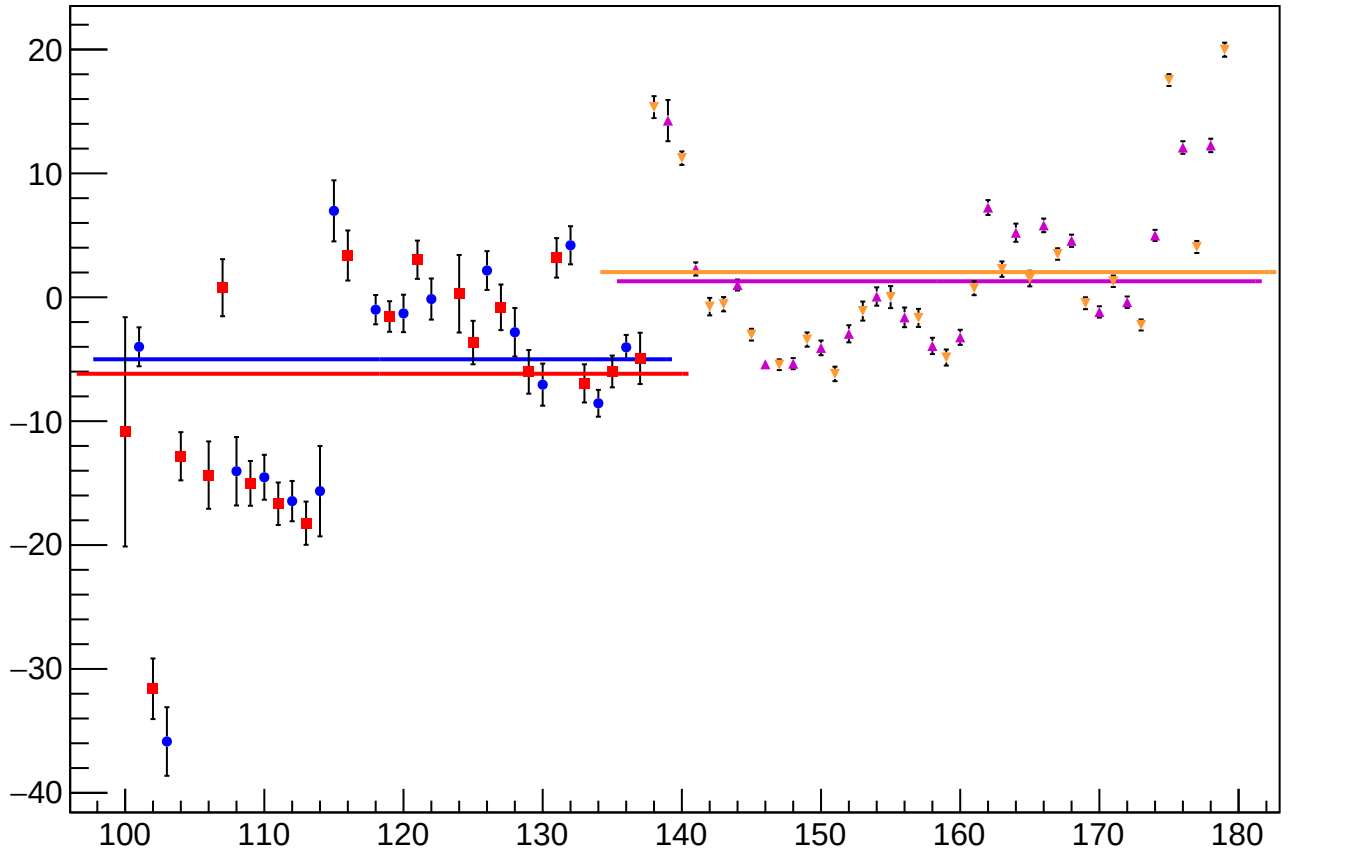
Left: -25.523+/-0.114 χ^2/NDF: 16511.3/41

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -21.877+/-0.150 χ^2/NDF:9062.3/35

Out: -23.028+/-0.146 χ^2/NDF:12981.2/40

All: -22.465+/-0.105 χ^2/NDF: 22073.8/76



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 2.034+/-0.119 χ^2/NDF:3621.8/21

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 1.293+/-0.121 χ^2/NDF:2061.7/19

Left: 1.672+/-0.085 χ^2/NDF: 5702.6/41

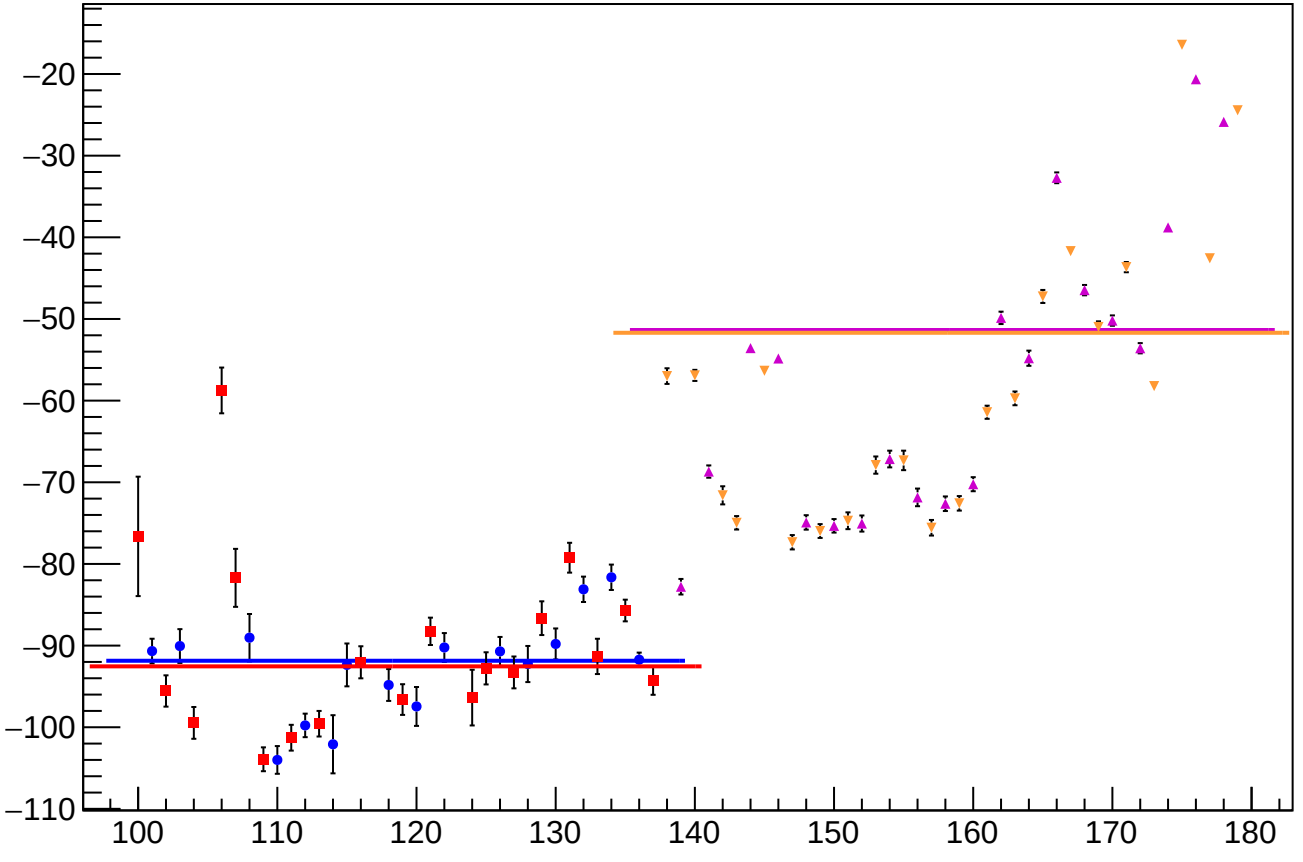
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: 0.751+/-0.116 χ^2/NDF:2635.3/35

Out: 1.419+/-0.114 χ^2/NDF:4350.1/40

All: 1.091+/-0.081 χ^2/NDF: 7002.3/76

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -51.691+/-0.158 χ^2/NDF:12913.3/21

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -51.351+/-0.162 χ^2/NDF:11496.4/19

Left: -51.525+/-0.113 χ^2/NDF: 24412.0/41

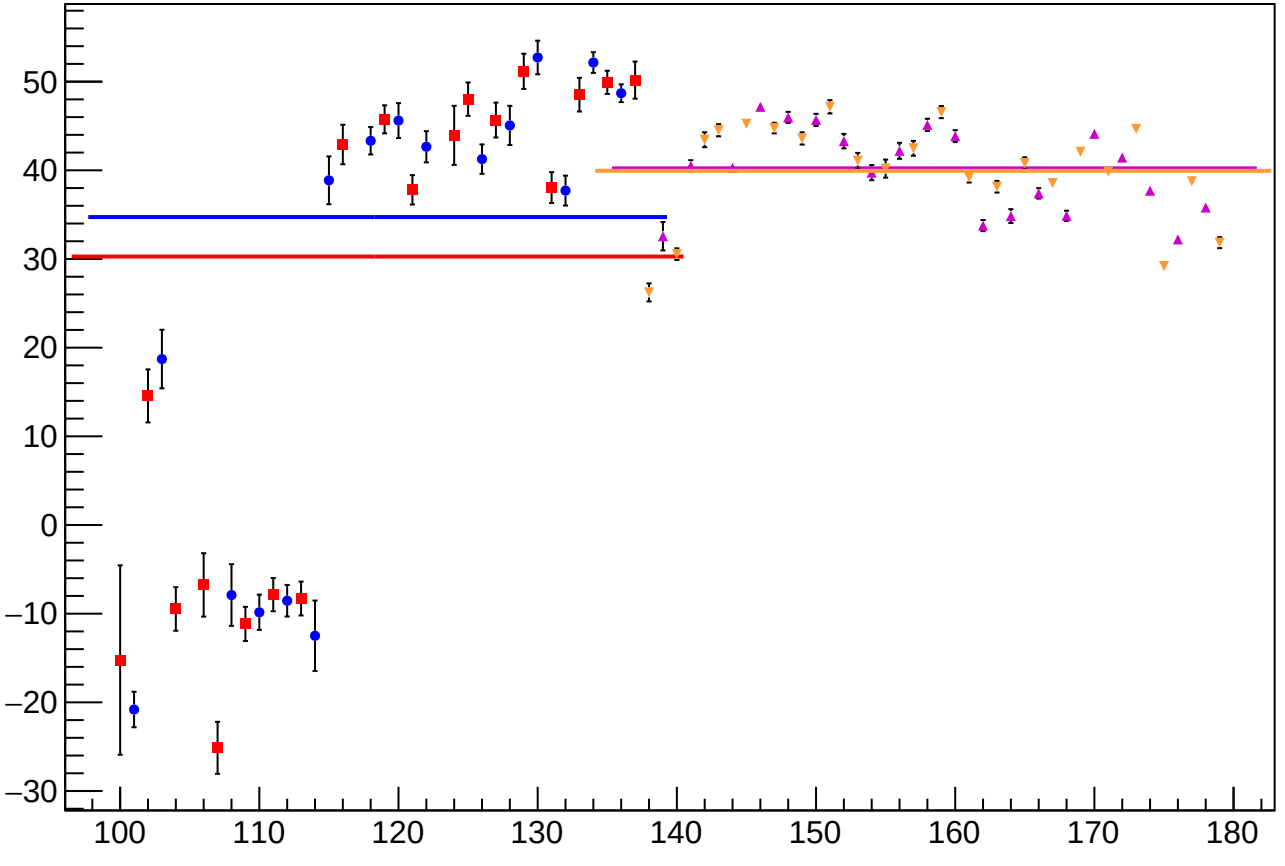
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -56.522+/-0.152 χ^2/NDF:19633.2/35

Out: -56.392+/-0.149 χ^2/NDF:20956.2/40

All: -56.456+/-0.106 χ^2/NDF: 40589.7/76

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 39.948+/-0.134 χ^2/NDF:1608.6/21

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 40.219+/-0.137 χ^2/NDF:1122.6/19

Left: 40.080+/-0.096 χ^2/NDF: 2733.3/41

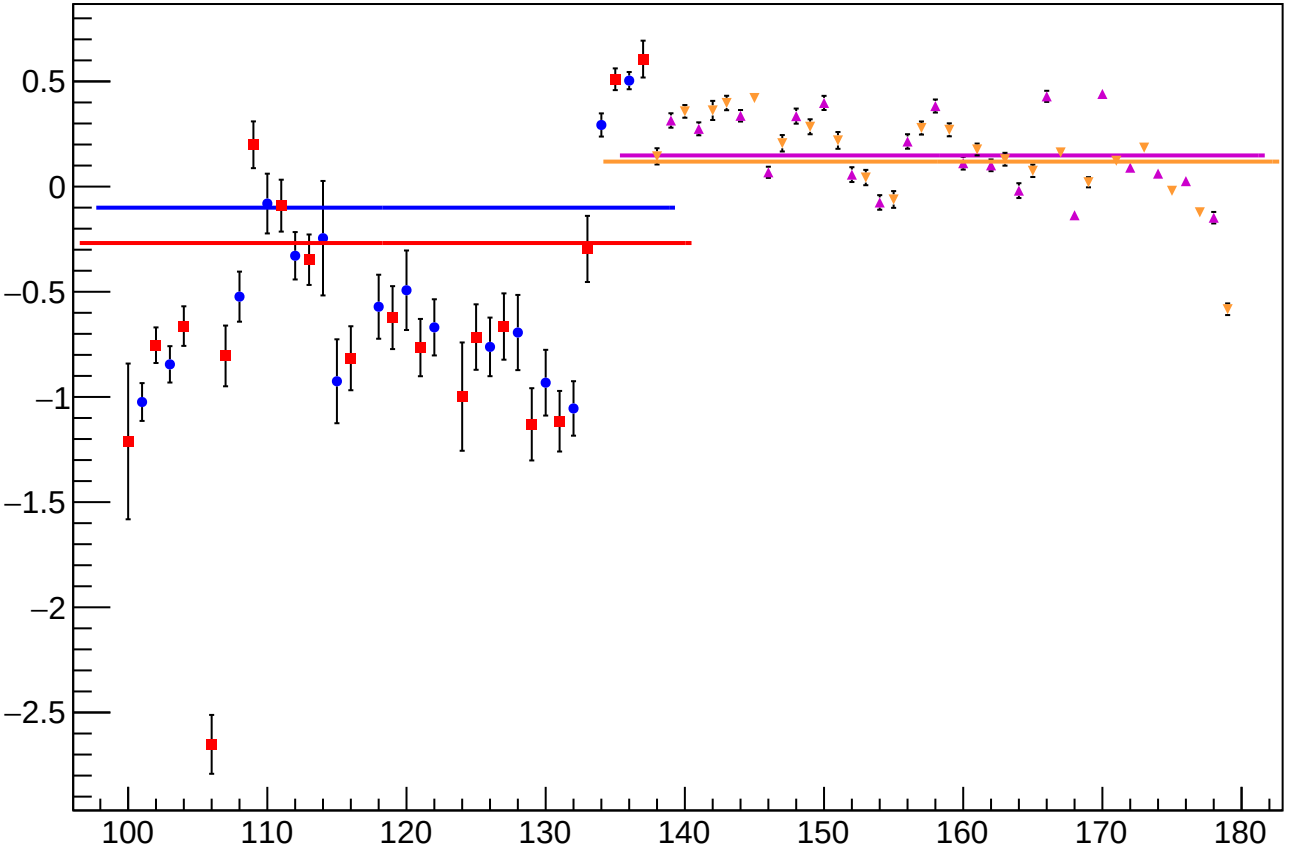
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 39.737+/-0.131 χ^2/NDF:4072.5/35

Out: 39.214+/-0.129 χ^2/NDF:4915.8/40

All: 39.471+/-0.092 χ^2/NDF: 8996.4/76

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.119+/-0.006 χ^2/NDF:1269.4/21

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.148+/-0.006 χ^2/NDF:950.8/19

Left: 0.133+/-0.004 χ^2/NDF: 2231.8/41

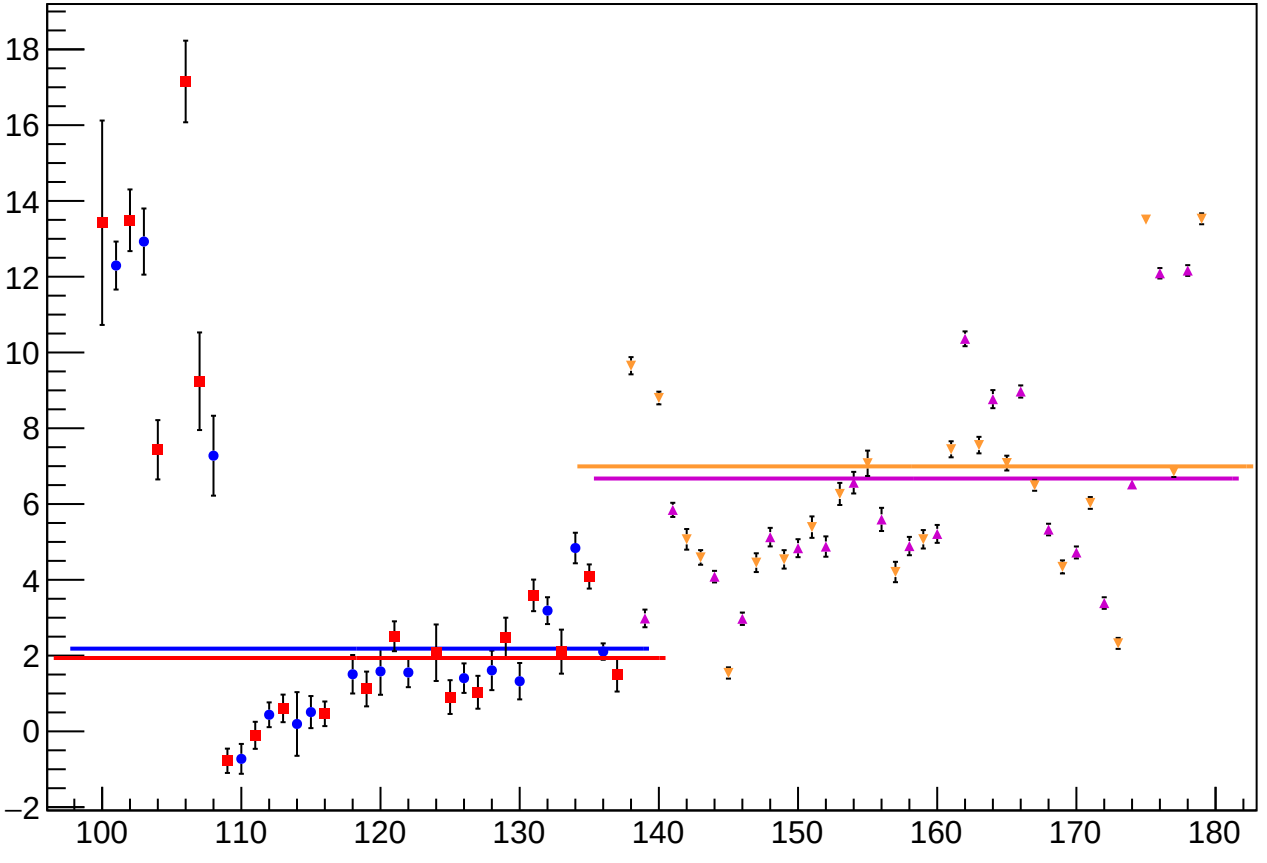
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.133+/-0.006 χ^2/NDF:1682.6/35

Out: 0.100+/-0.006 χ^2/NDF:2297.0/40

All: 0.116+/-0.004 χ^2/NDF: 3995.6/76

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 6.994+/-0.039 χ^2/NDF:8504.7/21

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 6.673+/-0.041 χ^2/NDF:5698.3/19

Left: 6.838+/-0.028 χ^2/NDF: 14235.1/41

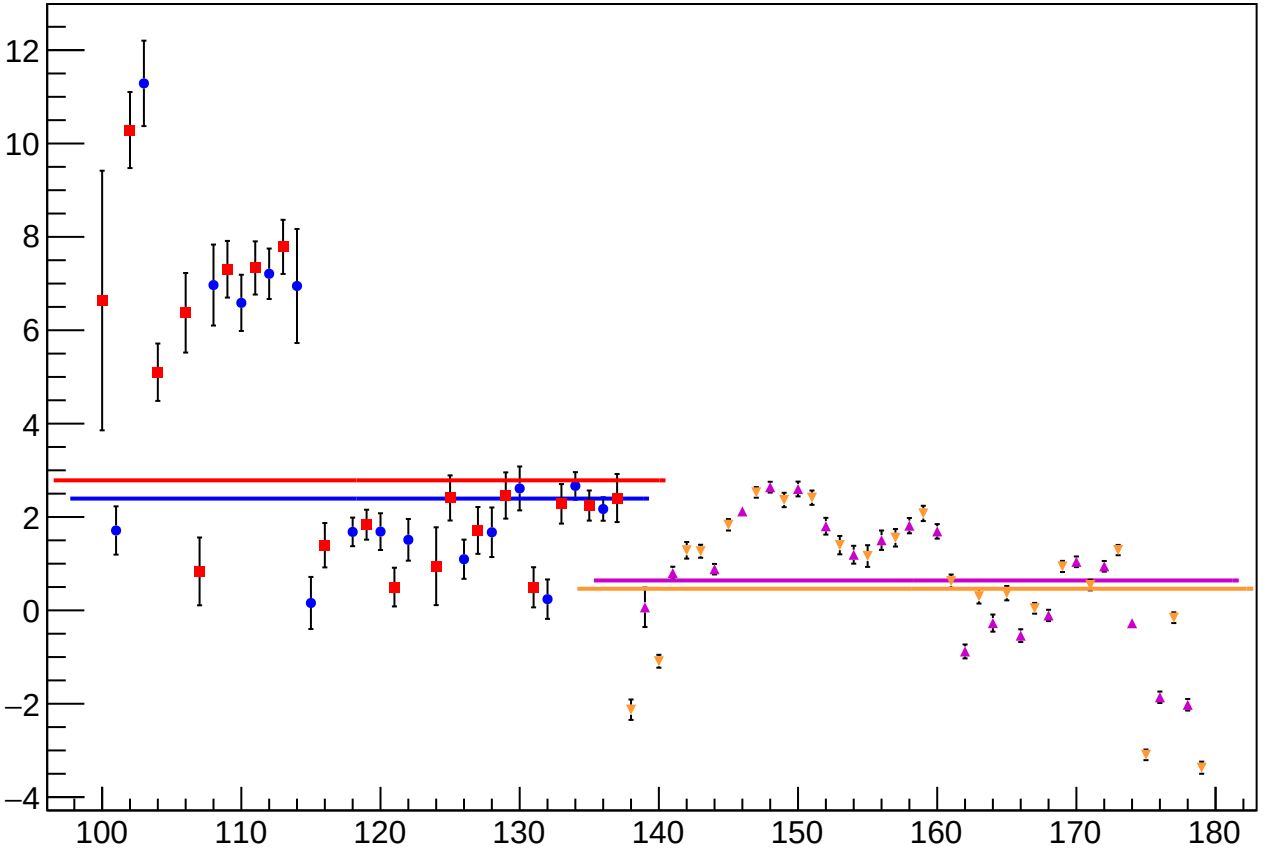
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 6.091+/-0.038 χ^2/NDF:7889.3/35

Out: 6.372+/-0.037 χ^2/NDF:11238.1/40

All: 6.235+/-0.026 χ^2/NDF: 19155.7/76

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.463+/-0.030 χ^2/NDF:3212.3/21

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.641+/-0.030 χ^2/NDF:2078.5/19

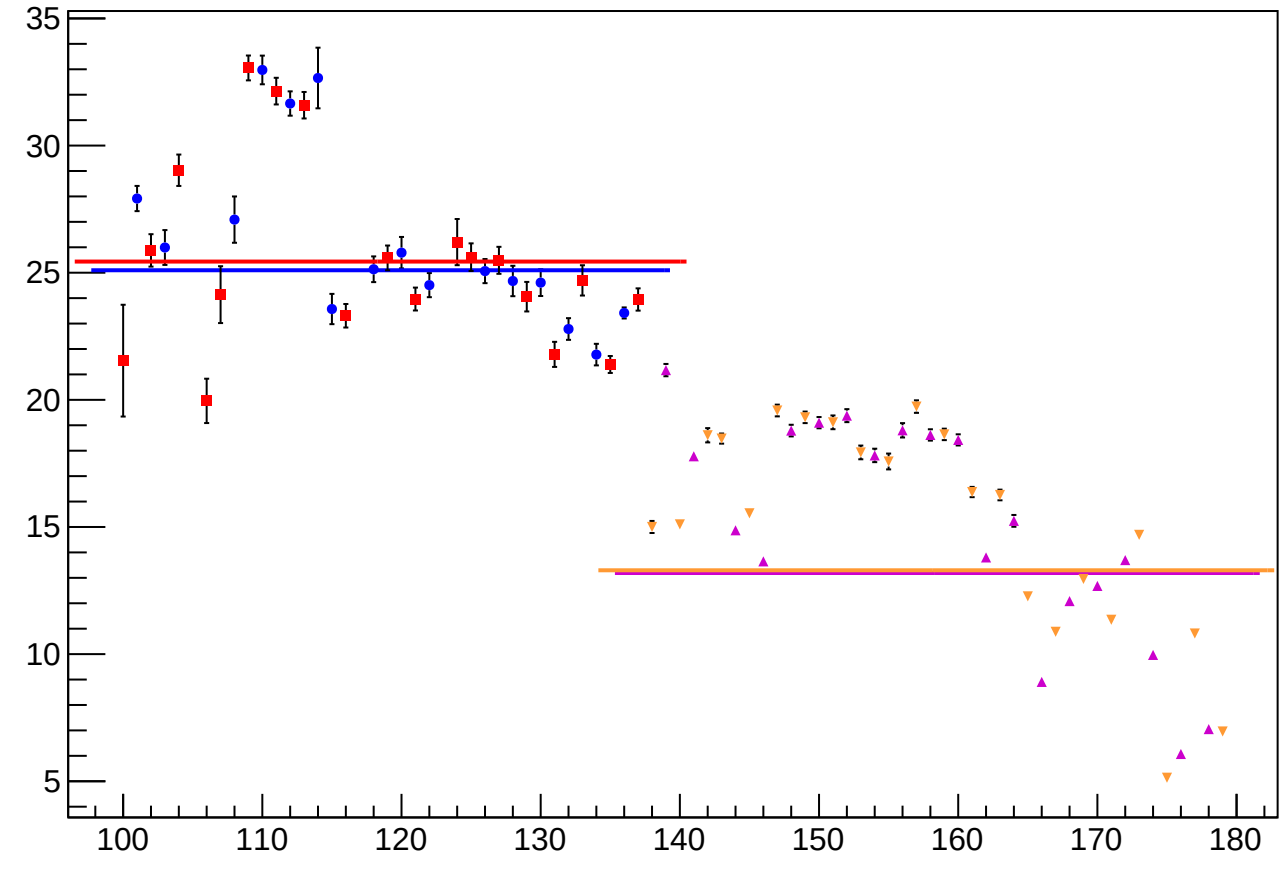
Left: 0.550+/-0.021 χ^2/NDF: 5308.5/41

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.768+/-0.029 χ^2/NDF:2655.5/35

Out: 0.605+/-0.029 χ^2/NDF:4000.1/40

All: 0.685+/-0.020 χ^2/NDF: 6671.5/76



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 13.297+/-0.039 χ^2/NDF:12854.4/21

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 13.191+/-0.040 χ^2/NDF:11599.3/19

Left: 13.245+/-0.028 χ^2/NDF: 24457.3/41

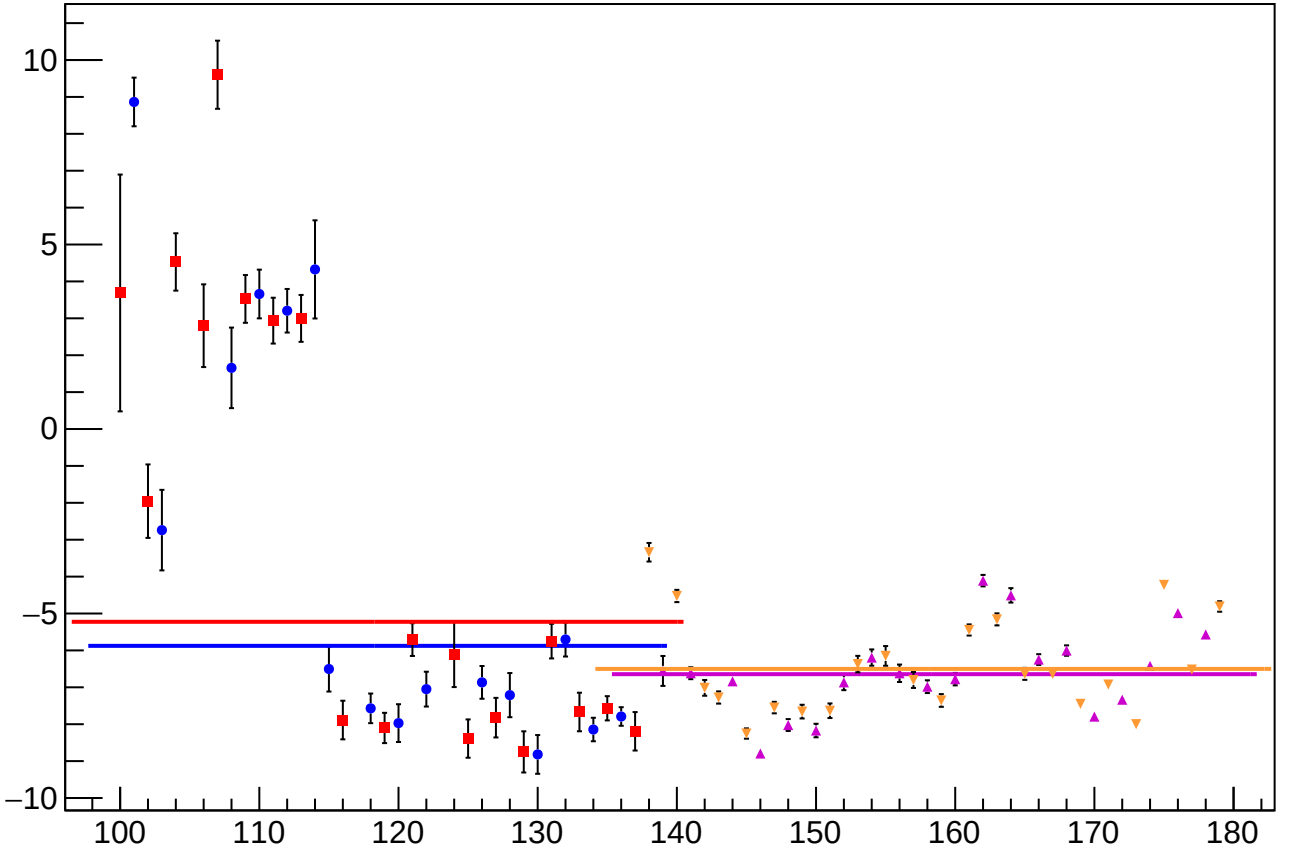
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 14.446+/-0.038 χ^2/NDF:21400.7/35

Out: 14.404+/-0.037 χ^2/NDF:22441.5/40

All: 14.424+/-0.027 χ^2/NDF: 43842.8/76

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.501+/-0.033 χ^2/NDF:1474.7/21

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.644+/-0.034 χ^2/NDF:1236.5/19

Left: -6.571+/-0.024 χ^2/NDF: 2720.1/41

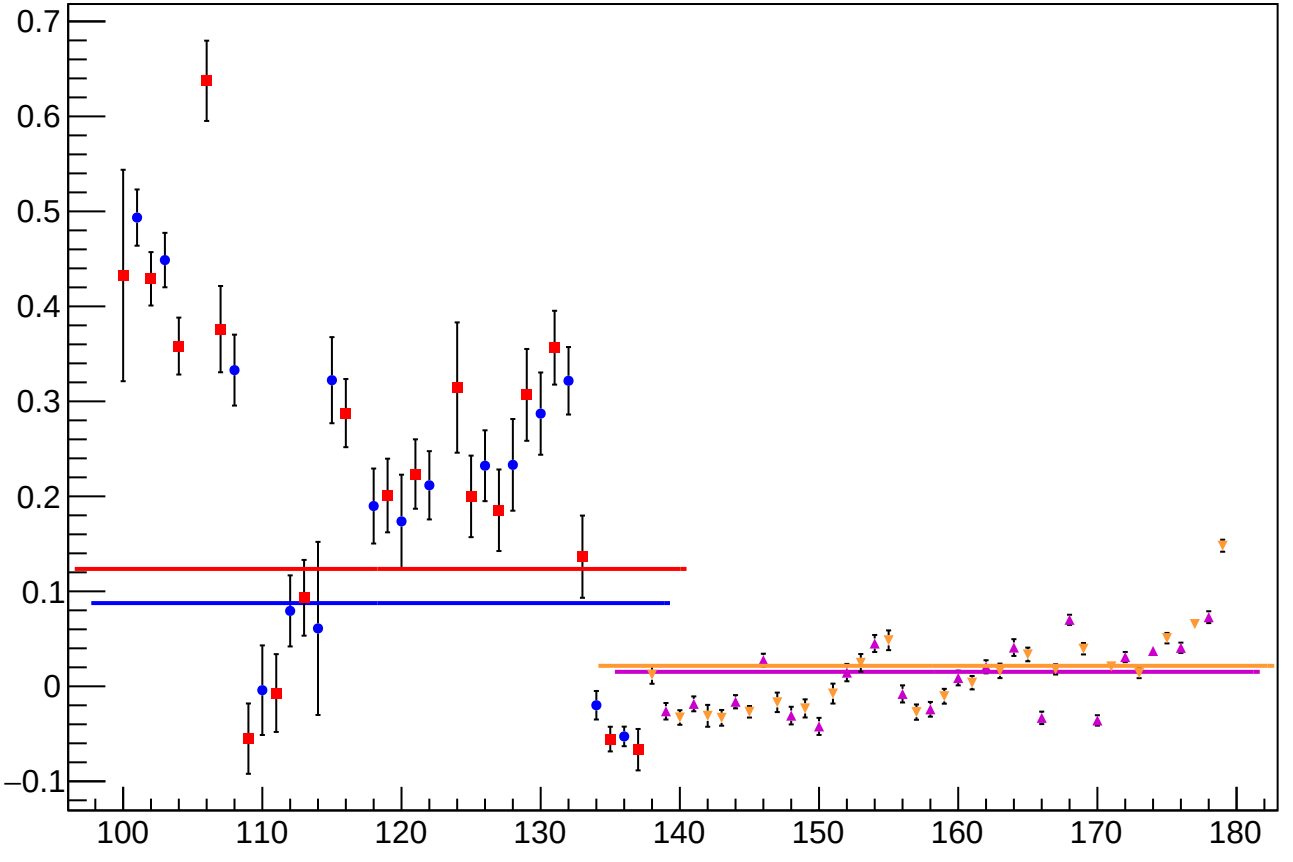
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.587+/-0.033 χ^2/NDF:2525.4/35

Out: -6.422+/-0.032 χ^2/NDF:2857.9/40

All: -6.503+/-0.023 χ^2/NDF: 5396.1/76

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.022+/-0.001 χ^2/NDF:803.1/21

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.015+/-0.002 χ^2/NDF:567.9/19

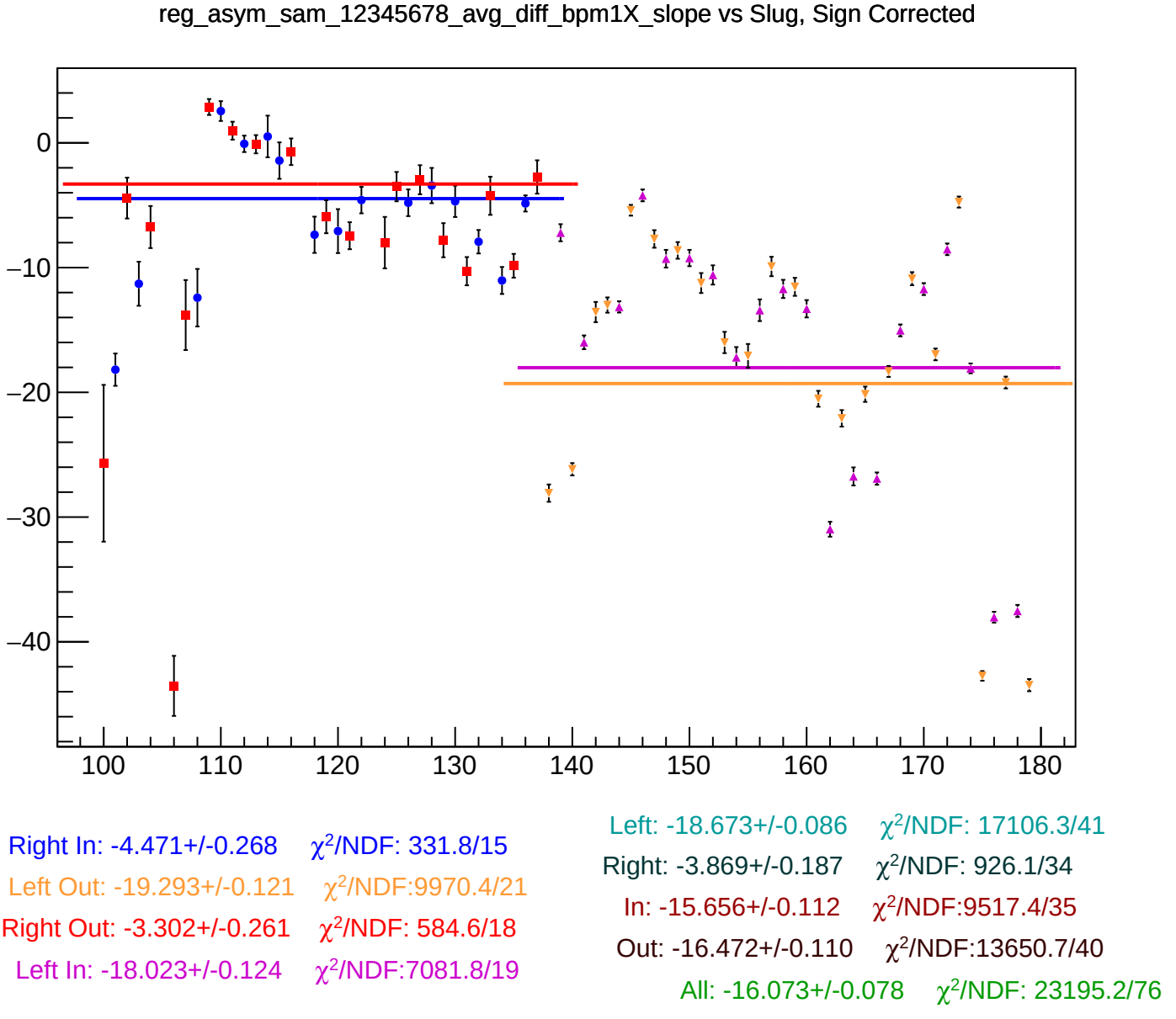
Left: 0.018+/-0.001 χ^2/NDF: 1379.8/41

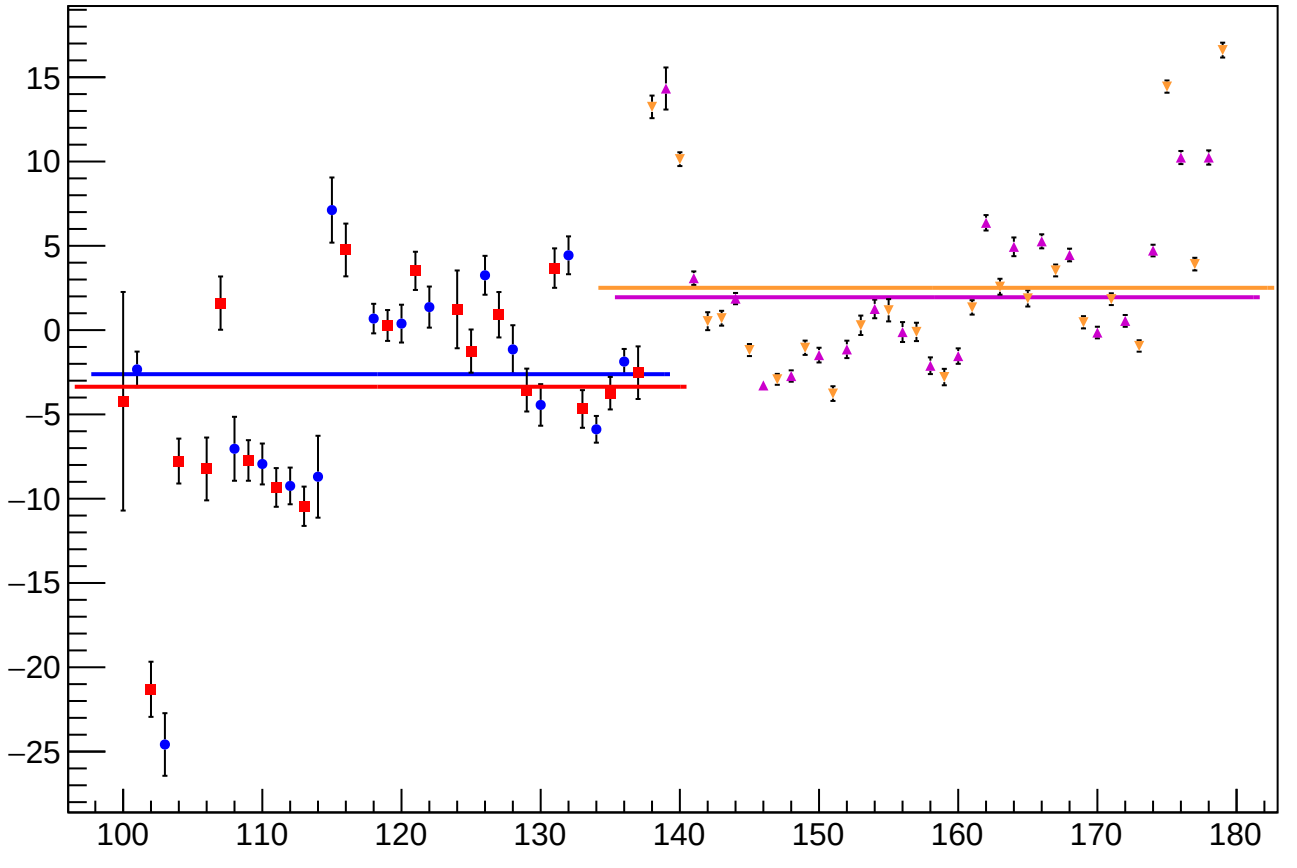
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.019+/-0.001 χ^2/NDF:1450.3/35

Out: 0.026+/-0.001 χ^2/NDF:1751.3/40

All: 0.022+/-0.001 χ^2/NDF: 3212.1/76


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
180
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -19.293+/-0.121 χ²/NDF:9970.4/21
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -18.023+/-0.124 χ²/NDF:7081.8/19
Left: -18.673+/-0.086 χ²/NDF: 17106.3/41
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -15.656+/-0.112 χ²/NDF:9517.4/35
Out: -16.472+/-0.110 χ²/NDF:13650.7/40
All: -16.073+/-0.078 χ²/NDF: 23195.2/76



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 2.509+/-0.090 χ^2/NDF:3729.4/21

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.950+/-0.092 χ^2/NDF:2061.3/19

Left: 2.236+/-0.064 χ^2/NDF: 5809.7/41

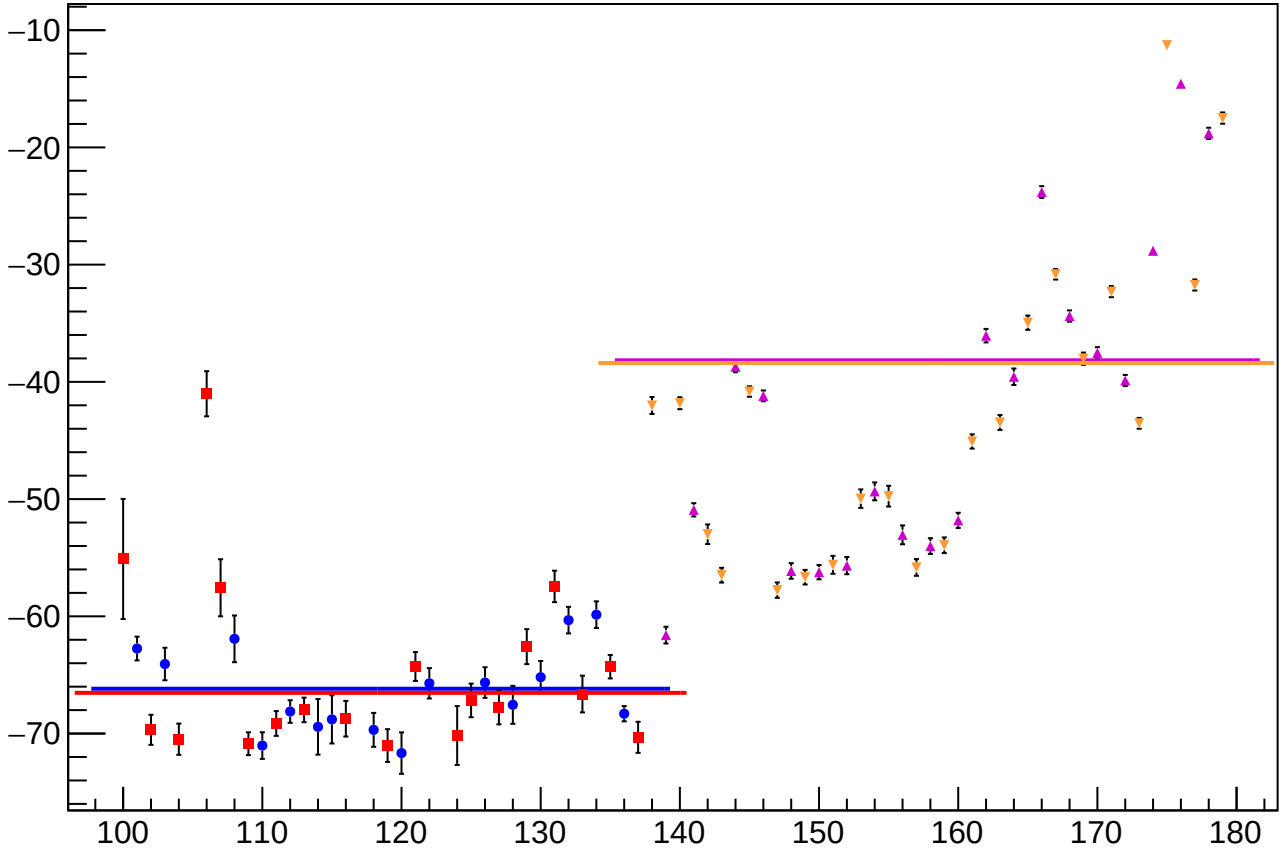
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 1.523+/-0.087 χ^2/NDF:2644.6/35

Out: 2.025+/-0.086 χ^2/NDF:4443.0/40

All: 1.778+/-0.061 χ^2/NDF: 7104.4/76

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -38.388+/-0.120 χ^2/NDF:12796.3/21

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -38.163+/-0.123 χ^2/NDF:11376.7/19

Left: -38.278+/-0.086 χ^2/NDF: 24174.7/41

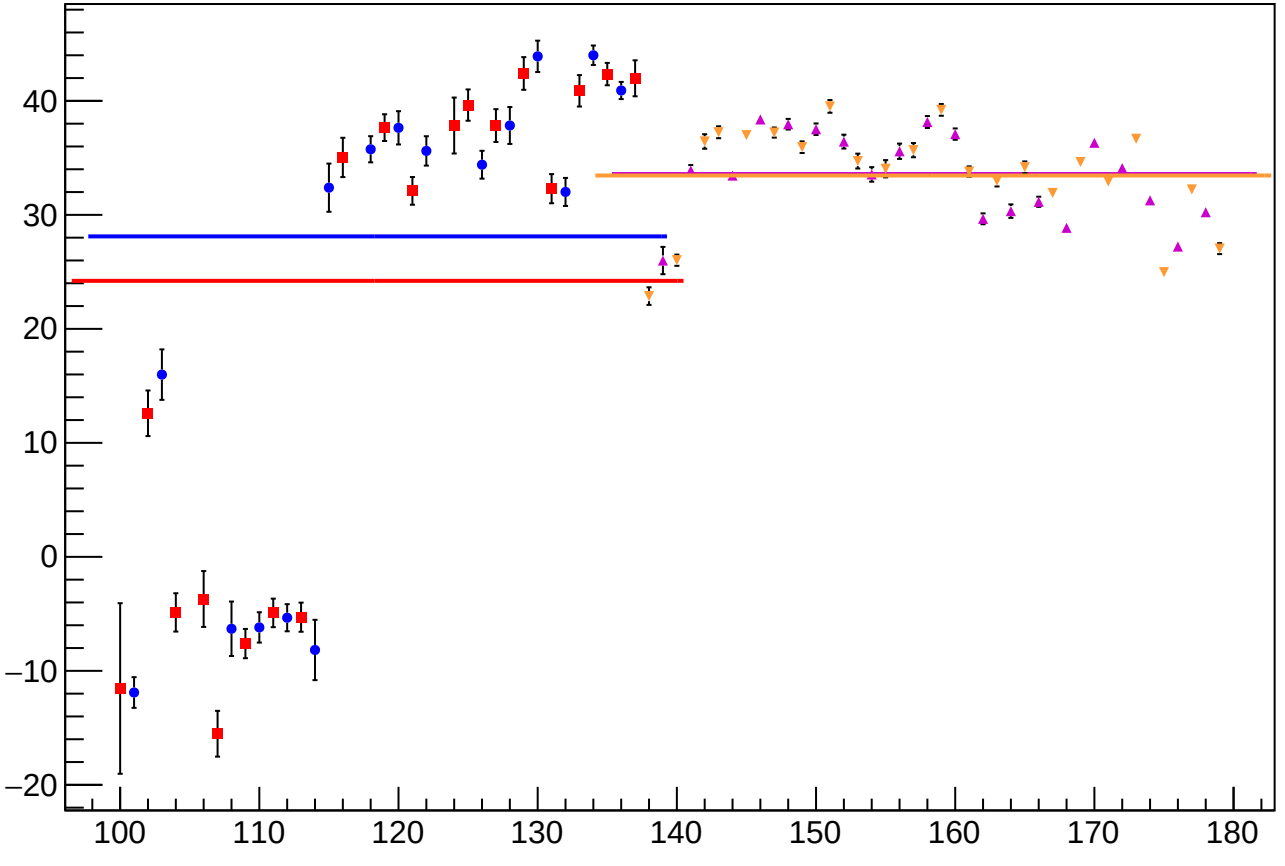
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -42.084+/-0.114 χ^2/NDF:18793.0/35

Out: -42.002+/-0.112 χ^2/NDF:20185.6/40

All: -42.042+/-0.080 χ^2/NDF: 38978.8/76

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.454+/-0.101 χ^2/NDF:1712.7/21

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.581+/-0.104 χ^2/NDF:1157.3/19

Left: 33.516+/-0.072 χ^2/NDF: 2870.7/41

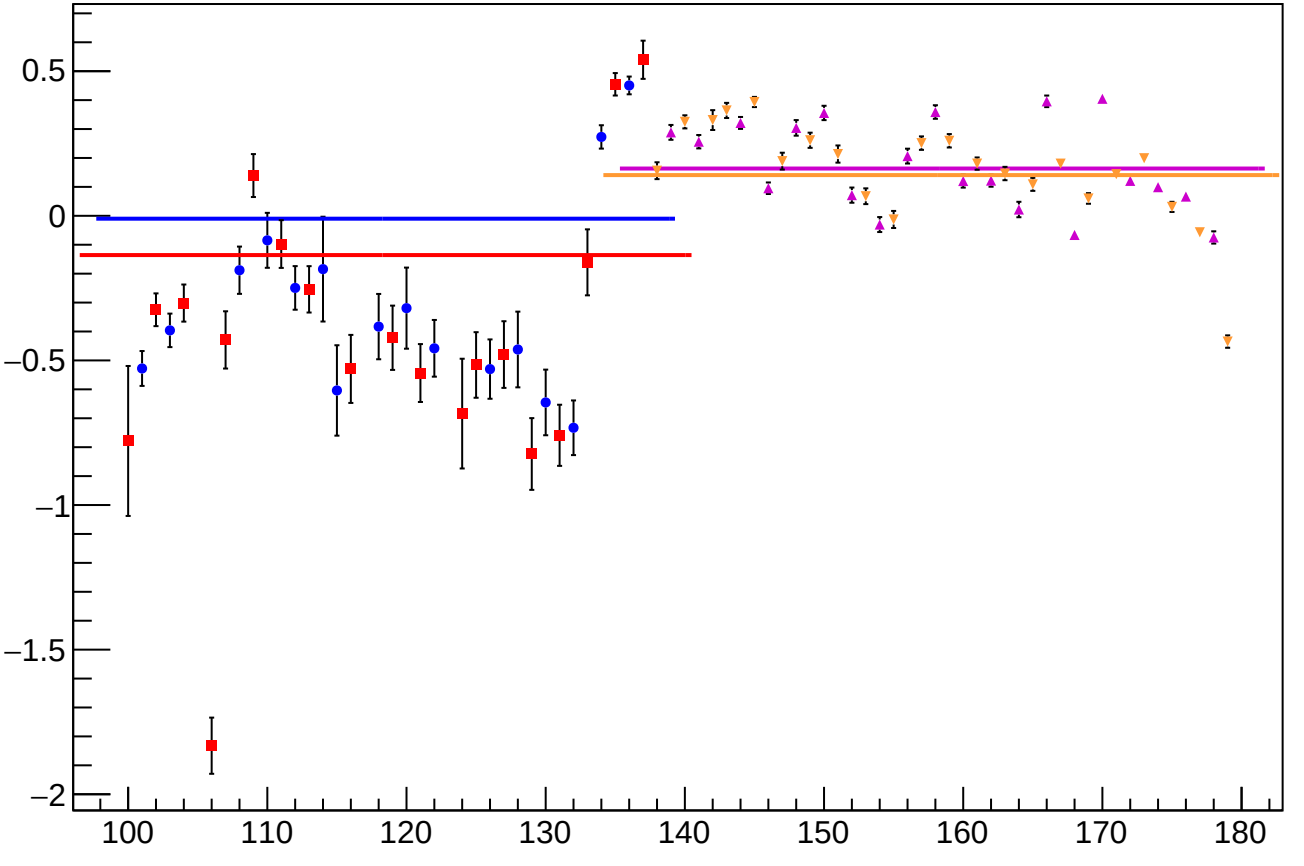
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.060+/-0.099 χ^2/NDF:5149.3/35

Out: 32.682+/-0.097 χ^2/NDF:6249.4/40

All: 32.868+/-0.069 χ^2/NDF: 11406.2/76

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.141+/-0.005 χ^2/NDF:1427.8/21

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.163+/-0.005 χ^2/NDF:1096.0/19

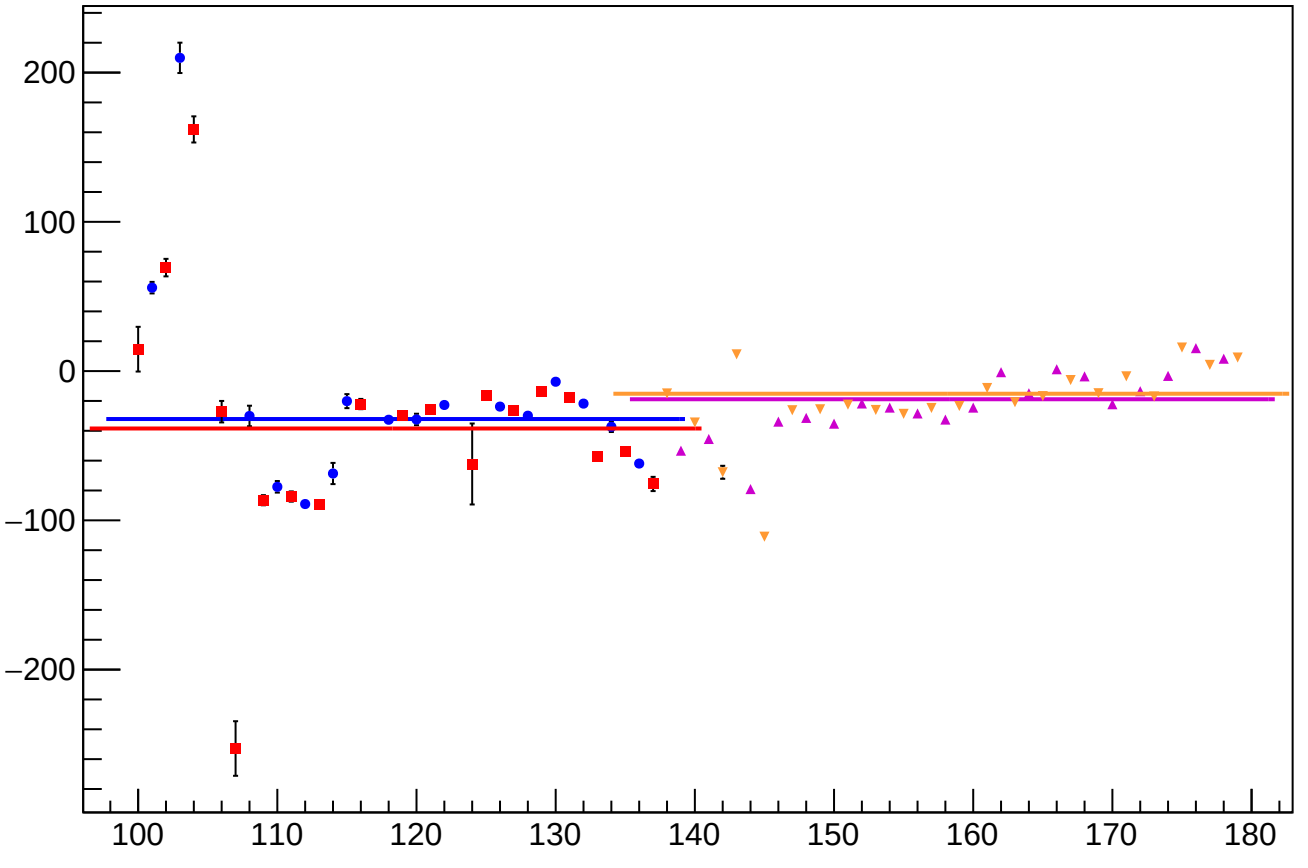
Left: 0.152+/-0.003 χ^2/NDF: 2535.9/41

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.152+/-0.004 χ^2/NDF:1776.8/35

Out: 0.125+/-0.004 χ^2/NDF:2450.0/40

All: 0.139+/-0.003 χ^2/NDF: 4244.5/76



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -15.172+/-0.572 χ^2/NDF:1763.0/21

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -18.872+/-0.592 χ^2/NDF:1429.0/19

Left: -16.957+/-0.411 χ^2/NDF: 3212.3/41

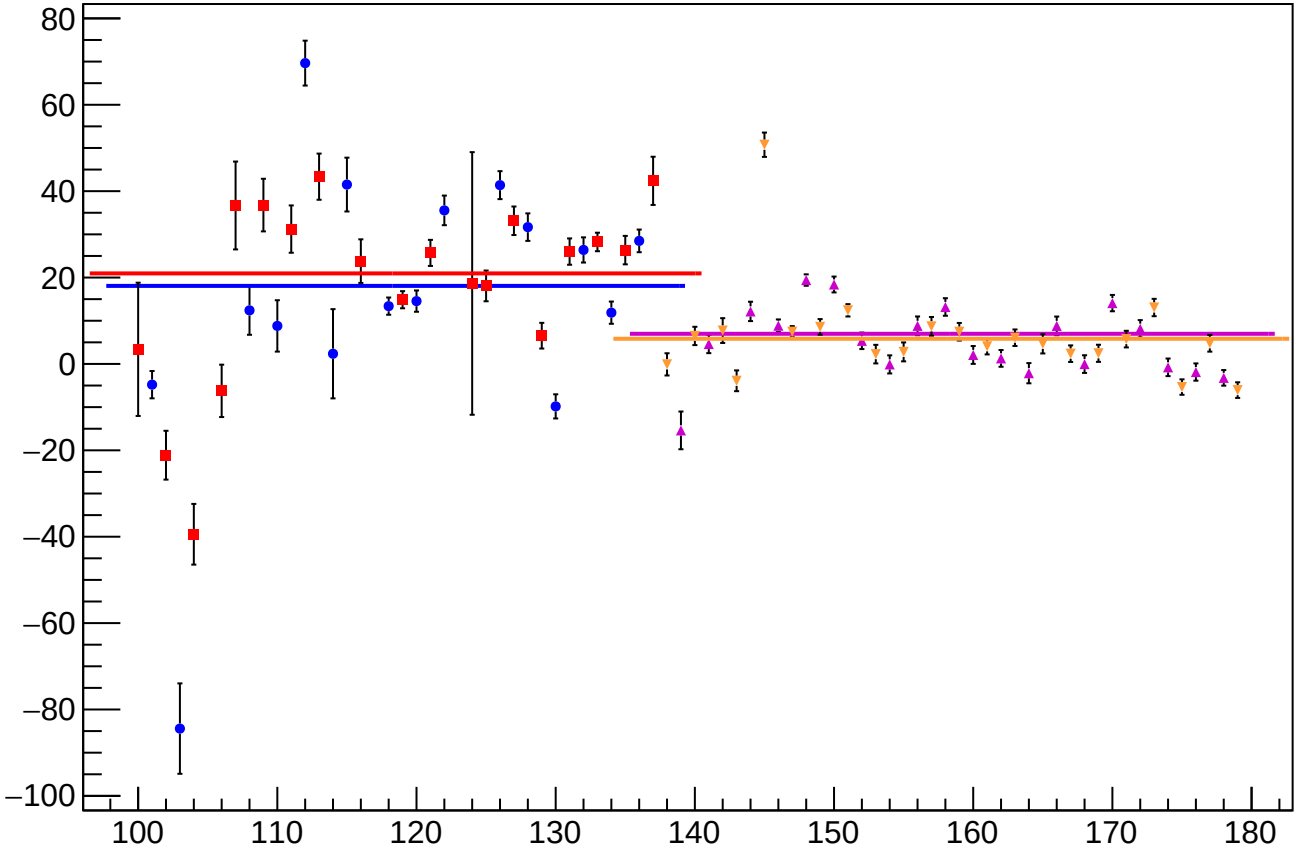
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -23.249+/-0.484 χ^2/NDF:3471.9/35

Out: -22.258+/-0.477 χ^2/NDF:4240.5/40

All: -22.746+/-0.340 χ^2/NDF: 7714.5/76

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 5.830+/-0.417 χ^2/NDF:411.6/21

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 6.982+/-0.437 χ^2/NDF:306.6/19

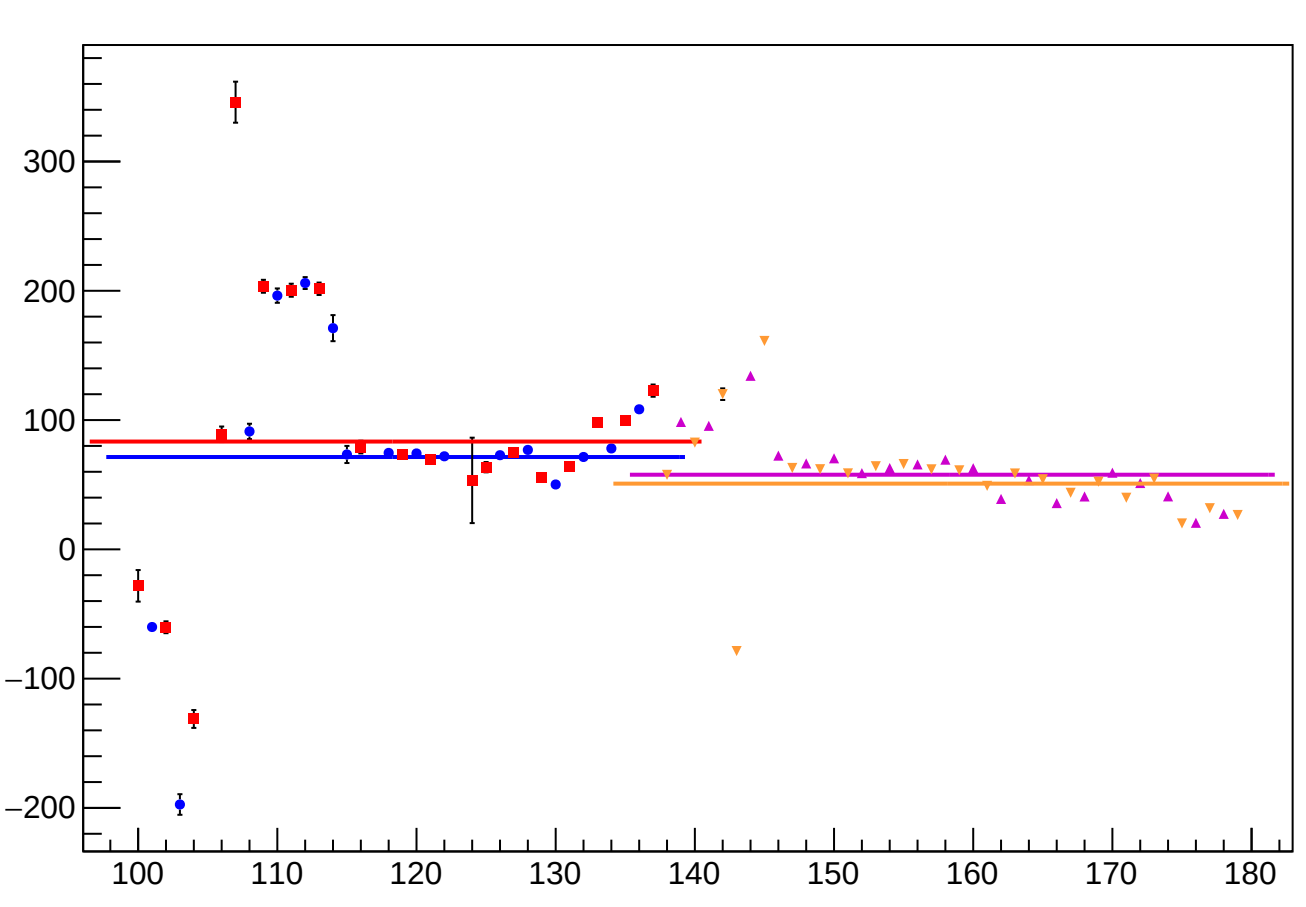
Left: 6.379+/-0.302 χ^2/NDF: 721.9/41

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 9.422+/-0.386 χ^2/NDF:947.8/35

Out: 8.663+/-0.376 χ^2/NDF:920.9/40

All: 9.032+/-0.269 χ^2/NDF: 1870.8/76



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 50.833+/-0.562 χ^2/NDF:3645.8/21

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 57.727+/-0.583 χ^2/NDF:1868.5/19

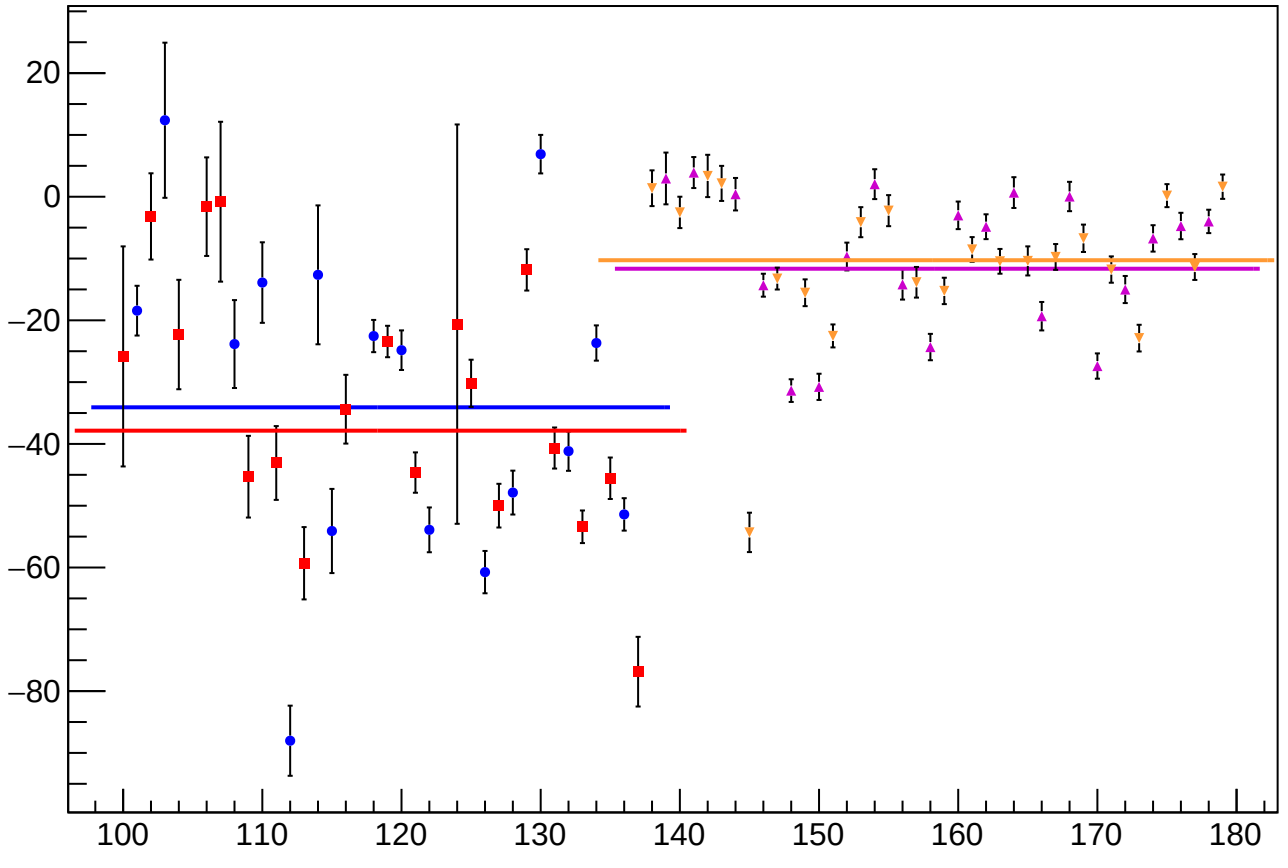
Left: 54.157+/-0.405 χ^2/NDF: 5586.7/41

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 61.579+/-0.494 χ^2/NDF:6843.5/35

Out: 58.828+/-0.488 χ^2/NDF:8766.7/40

All: 60.188+/-0.347 χ^2/NDF: 15625.9/76



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.274+/-0.475 χ^2/NDF:434.0/21

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -11.651+/-0.496 χ^2/NDF:519.5/19

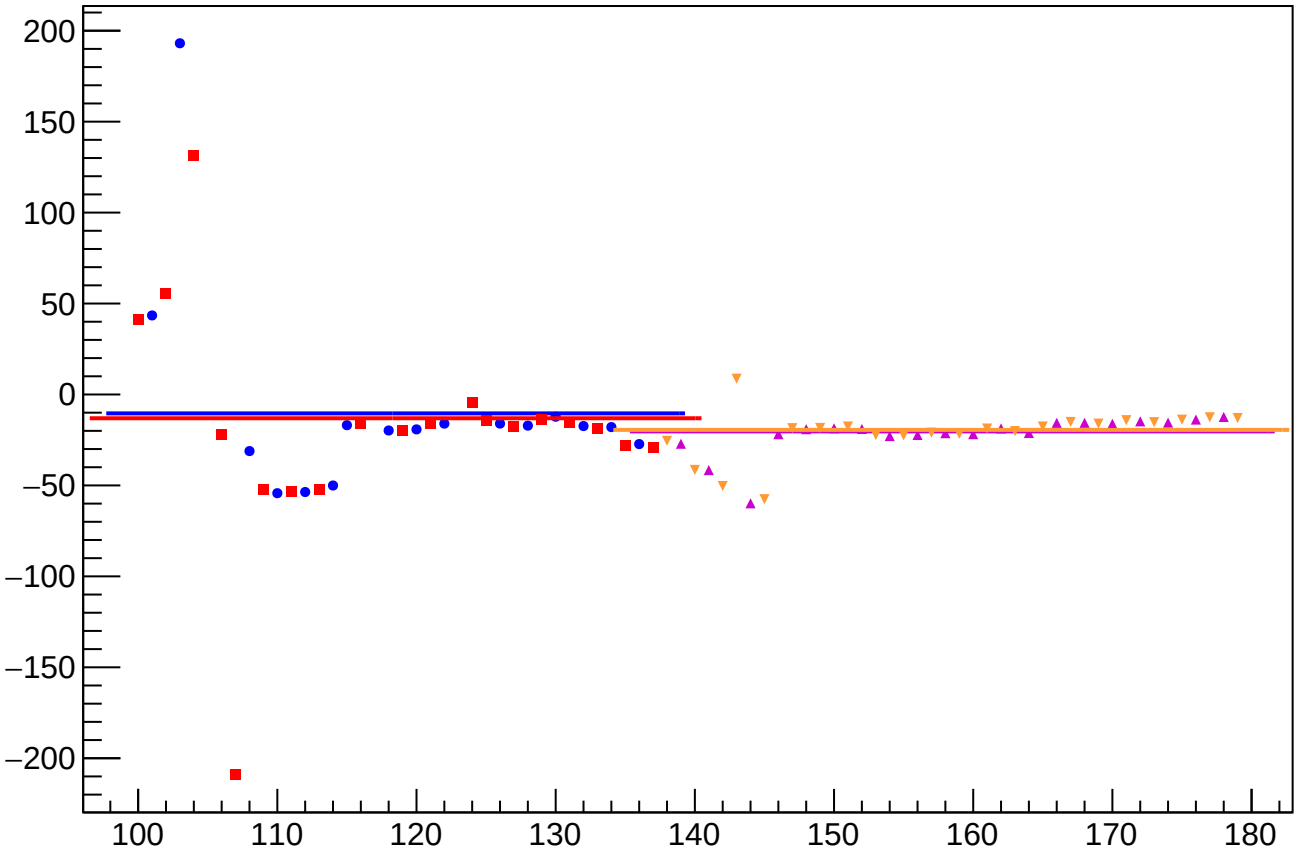
Left: -10.932+/-0.343 χ^2/NDF: 957.5/41

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -16.520+/-0.439 χ^2/NDF:1474.2/35

Out: -15.399+/-0.428 χ^2/NDF:1335.8/40

All: -15.946+/-0.307 χ^2/NDF: 2813.3/76



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.453+/-0.021 χ^2/NDF:225104.2/21

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -20.303+/-0.022 χ^2/NDF:145813.5/19

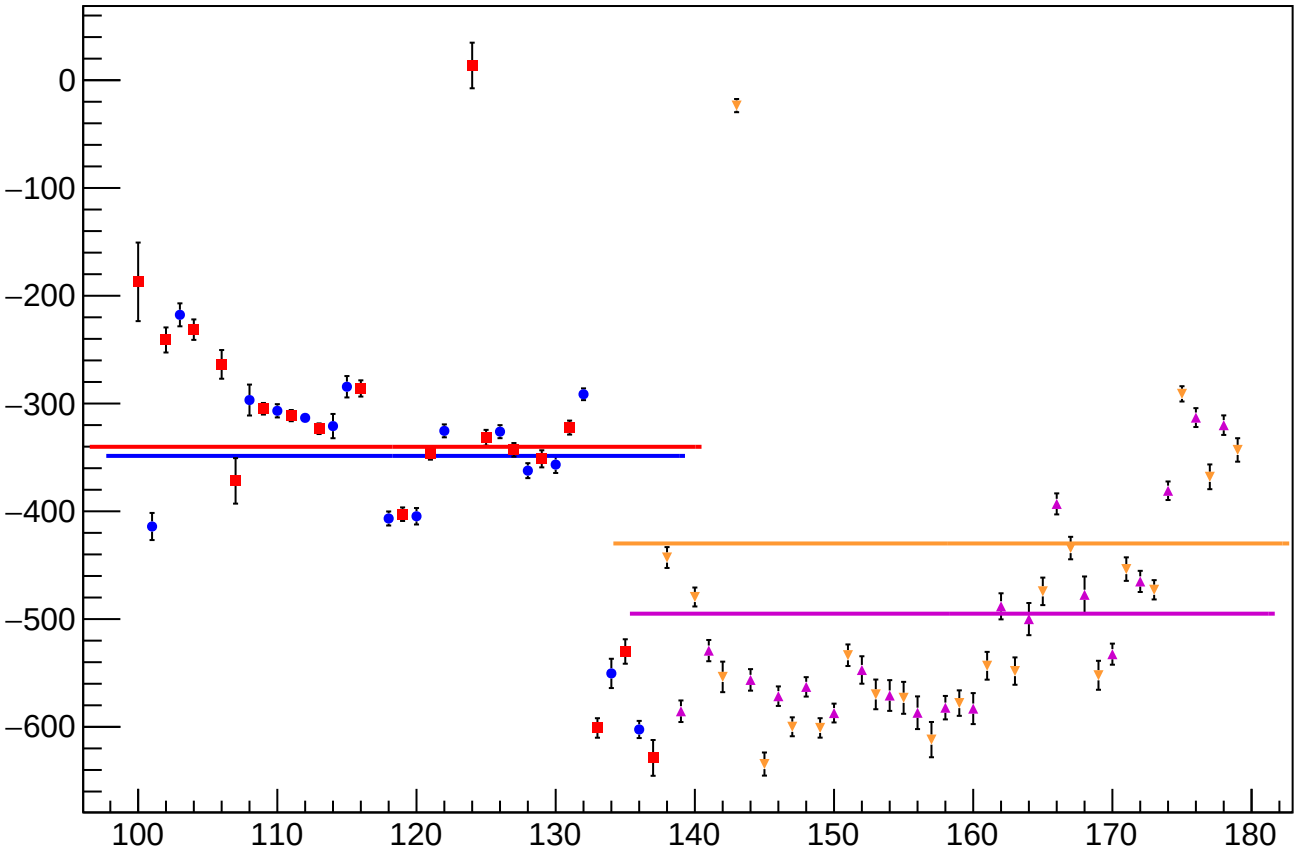
Left: -19.869+/-0.015 χ^2/NDF: 371687.2/41

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.024+/-0.020 χ^2/NDF:694599.7/35

Out: -18.786+/-0.020 χ^2/NDF:684007.8/40

All: -18.904+/-0.014 χ^2/NDF: 1378675.7/76



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -429.836+/-2.183 χ^2/NDF:6961.4/21

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -494.978+/-2.348 χ^2/NDF:1668.4/19

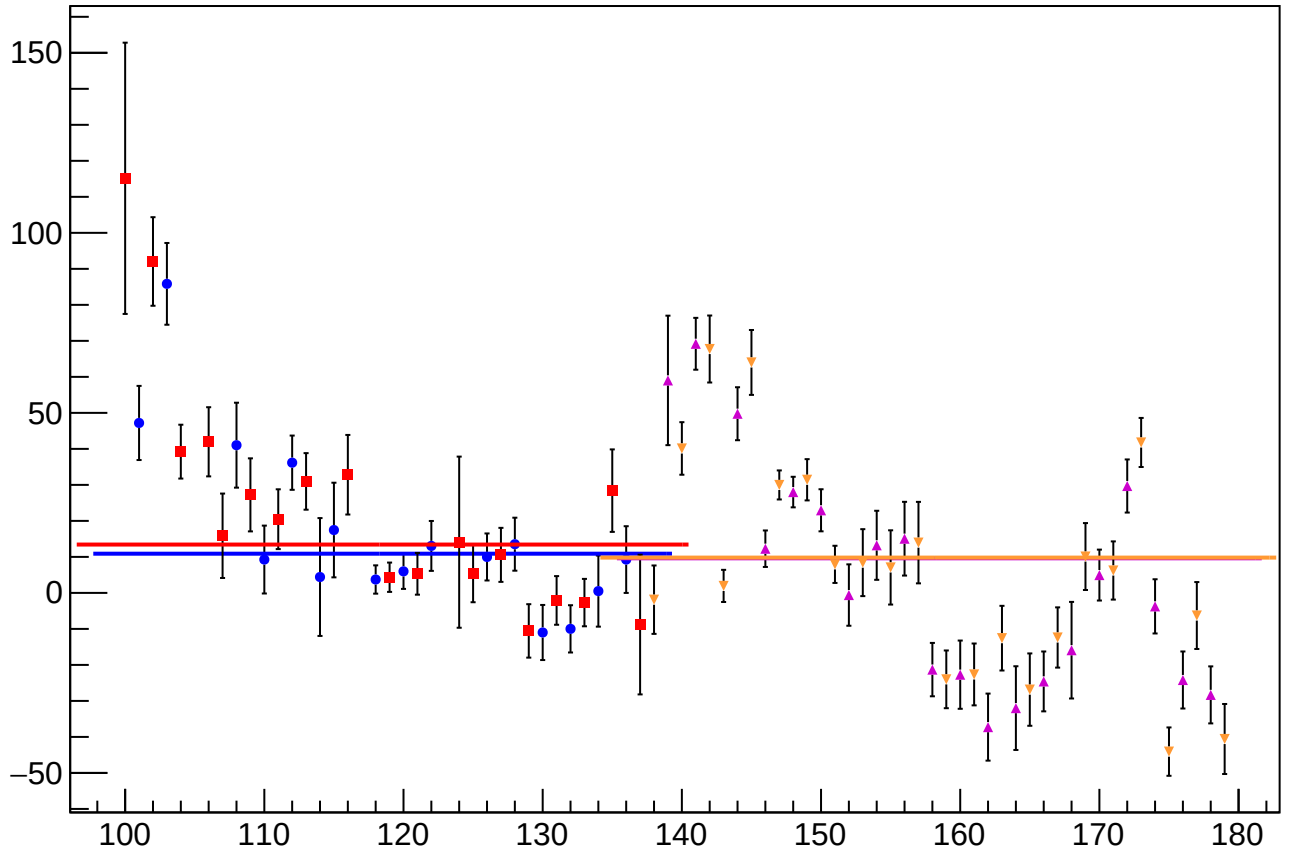
Left: -460.046+/-1.599 χ^2/NDF: 9042.6/41

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -403.711+/-1.441 χ^2/NDF:5950.5/35

Out: -375.456+/-1.370 χ^2/NDF:10181.7/40

All: -388.872+/-0.993 χ^2/NDF: 16334.2/76



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 9.805+/-1.542 χ^2/NDF:311.5/21

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 9.604+/-1.678 χ^2/NDF:271.8/19

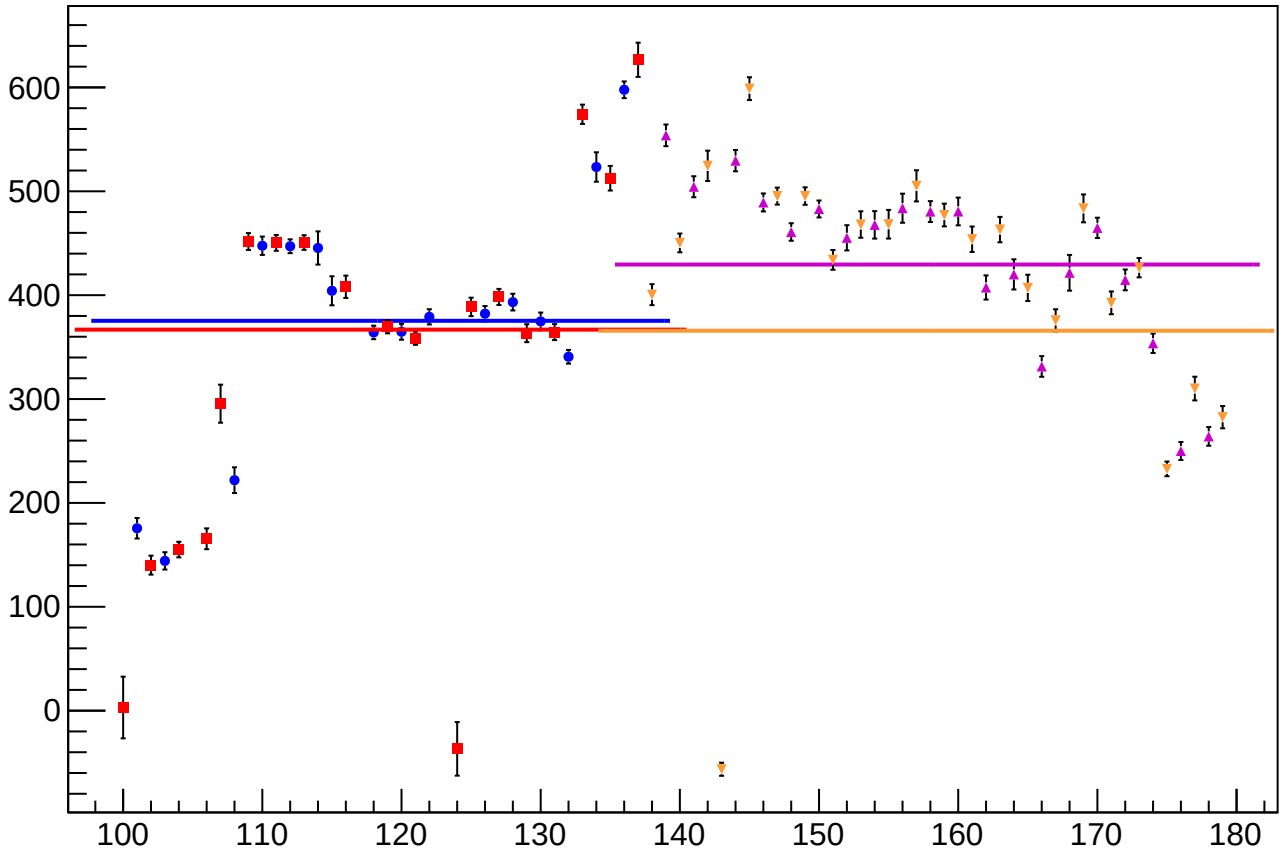
Left: 9.713+/-1.136 χ^2/NDF: 583.3/41

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 10.186+/-1.241 χ^2/NDF:370.3/35

Out: 11.285+/-1.186 χ^2/NDF:426.1/40

All: 10.761+/-0.857 χ^2/NDF: 796.9/76



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 365.762+/-2.158 χ^2/NDF:6702.8/21

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 429.496+/-2.311 χ^2/NDF:1416.8/19

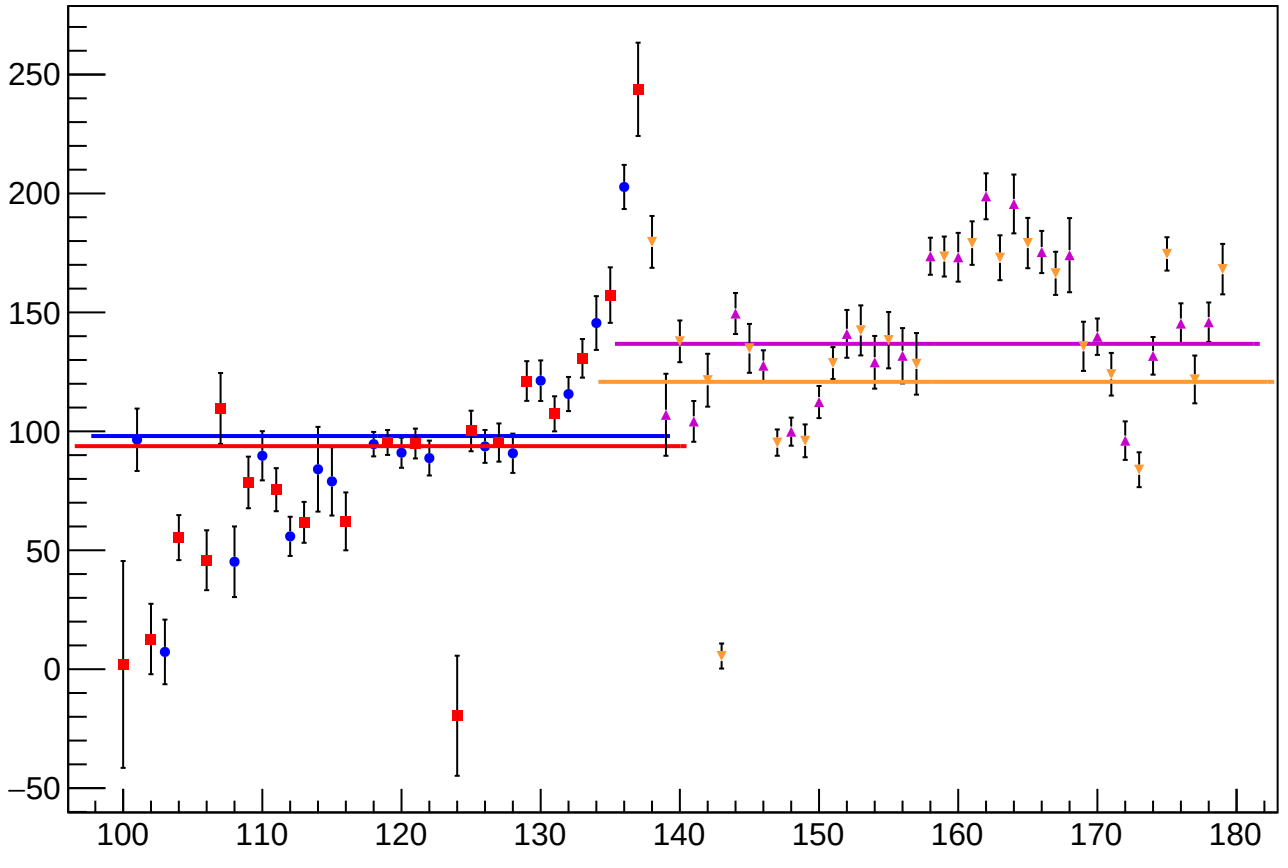
Left: 395.455+/-1.577 χ^2/NDF: 8525.8/41

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 399.858+/-1.555 χ^2/NDF:4166.9/35

Out: 366.323+/-1.486 χ^2/NDF:10244.0/40

All: 382.329+/-1.074 χ^2/NDF: 14653.9/76



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 120.810+/-1.793 χ^2/NDF:829.5/21

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 136.787+/-1.935 χ^2/NDF:226.1/19

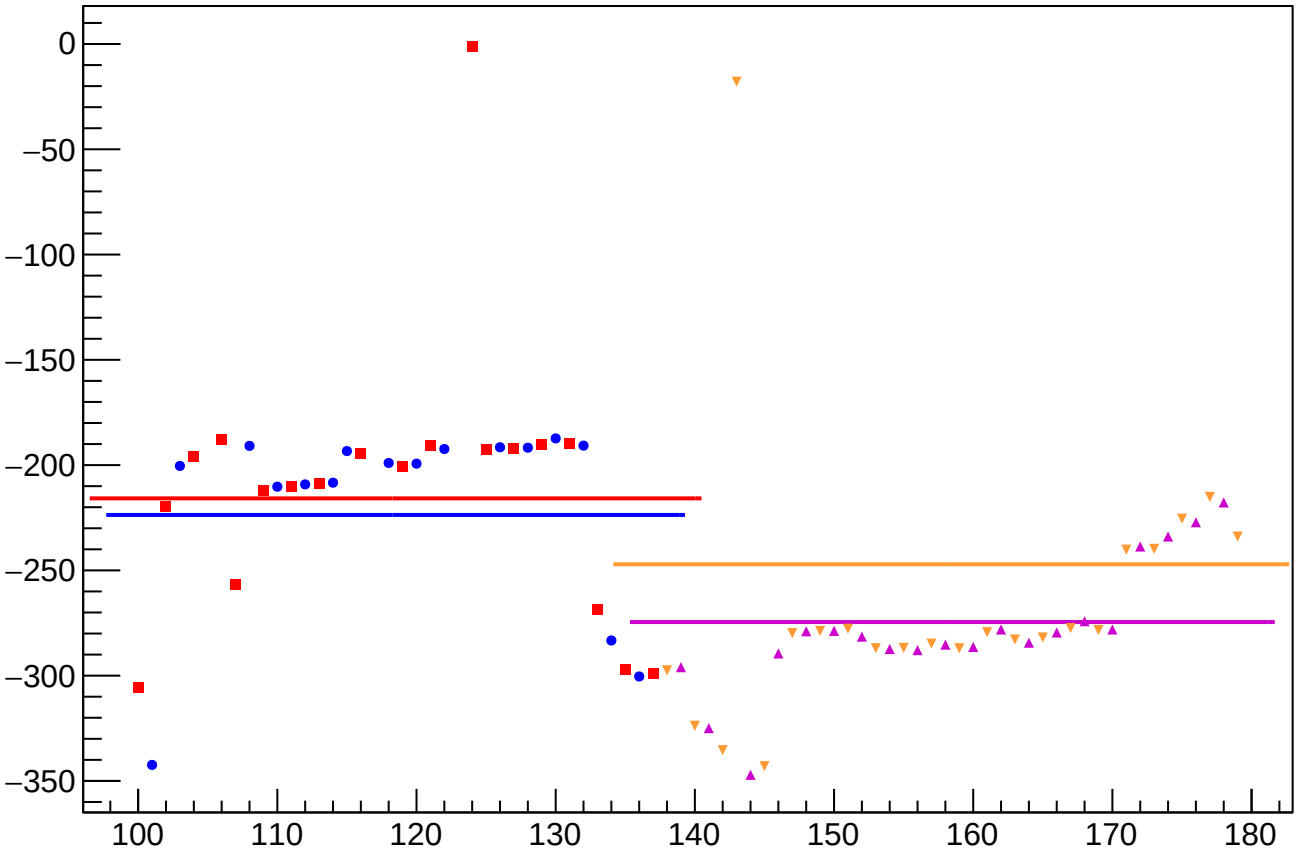
Left: 128.190+/-1.315 χ^2/NDF: 1092.3/41

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 119.386+/-1.437 χ^2/NDF:655.7/35

Out: 109.648+/-1.374 χ^2/NDF:1160.6/40

All: 114.300+/-0.993 χ^2/NDF: 1840.3/76



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.115+/-0.084 χ^2/NDF:986236.4/21

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -274.539+/-0.088 χ^2/NDF:112181.6/19

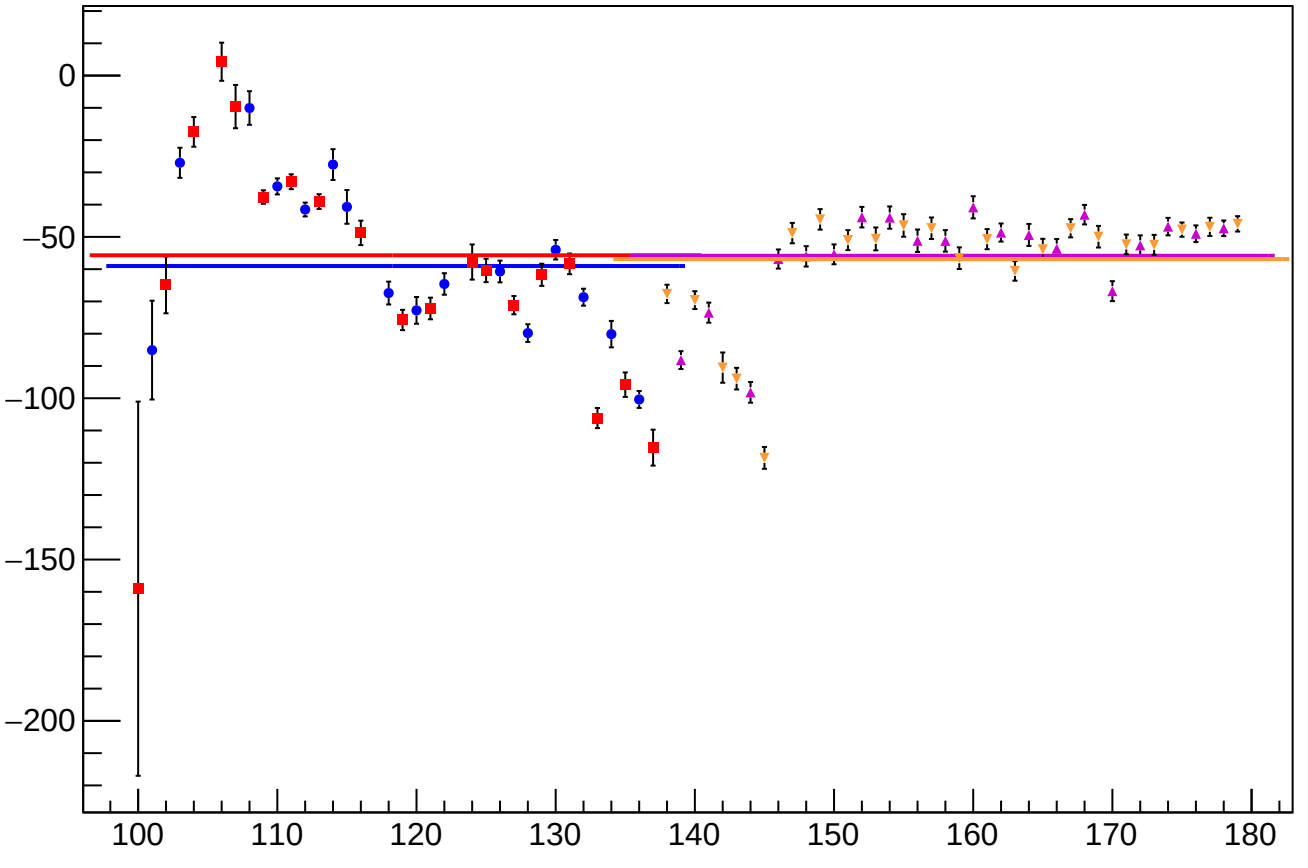
Left: -260.205+/-0.061 χ^2/NDF: 1148847.7/41

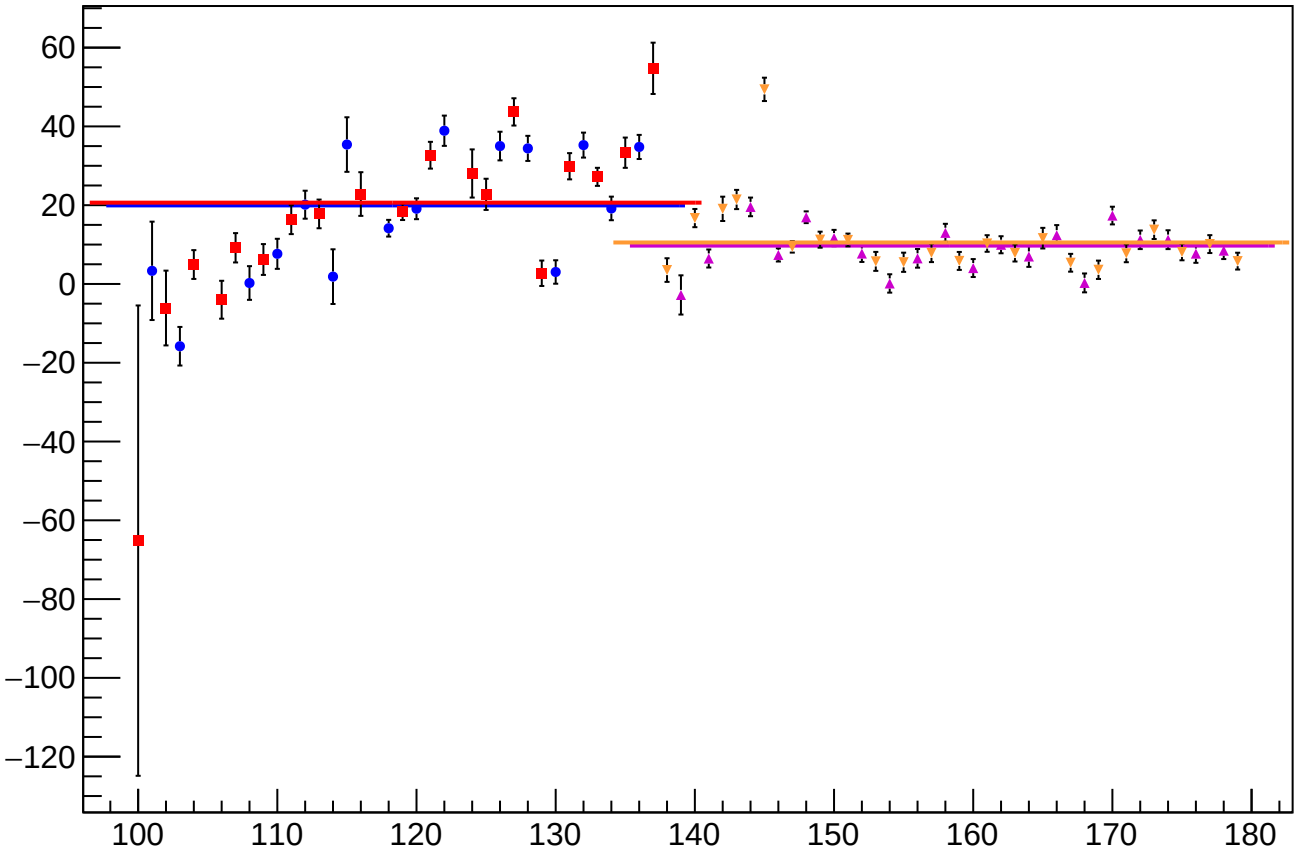
Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -259.807+/-0.074 χ^2/NDF:329855.3/35

Out: -238.252+/-0.071 χ^2/NDF:1106744.0/40

All: -248.591+/-0.052 χ^2/NDF: 1480259.9/76


reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
Right In: -59.030+/-0.829 χ²/NDF: 727.3/15
Left Out: -56.881+/-0.651 χ²/NDF:662.1/21
Right Out: -55.701+/-0.790 χ²/NDF: 1041.1/18
Left In: -55.850+/-0.676 χ²/NDF:465.1/19
Left: -56.385+/-0.469 χ²/NDF: 1128.4/41
Right: -57.284+/-0.572 χ²/NDF: 1776.9/34
In: -57.119+/-0.524 χ²/NDF:1201.2/35
Out: -56.404+/-0.503 χ²/NDF:1704.6/40
All: -56.746+/-0.363 χ²/NDF: 2906.8/76



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.533+/-0.473 χ^2/NDF:252.1/21

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.741+/-0.497 χ^2/NDF:110.9/19

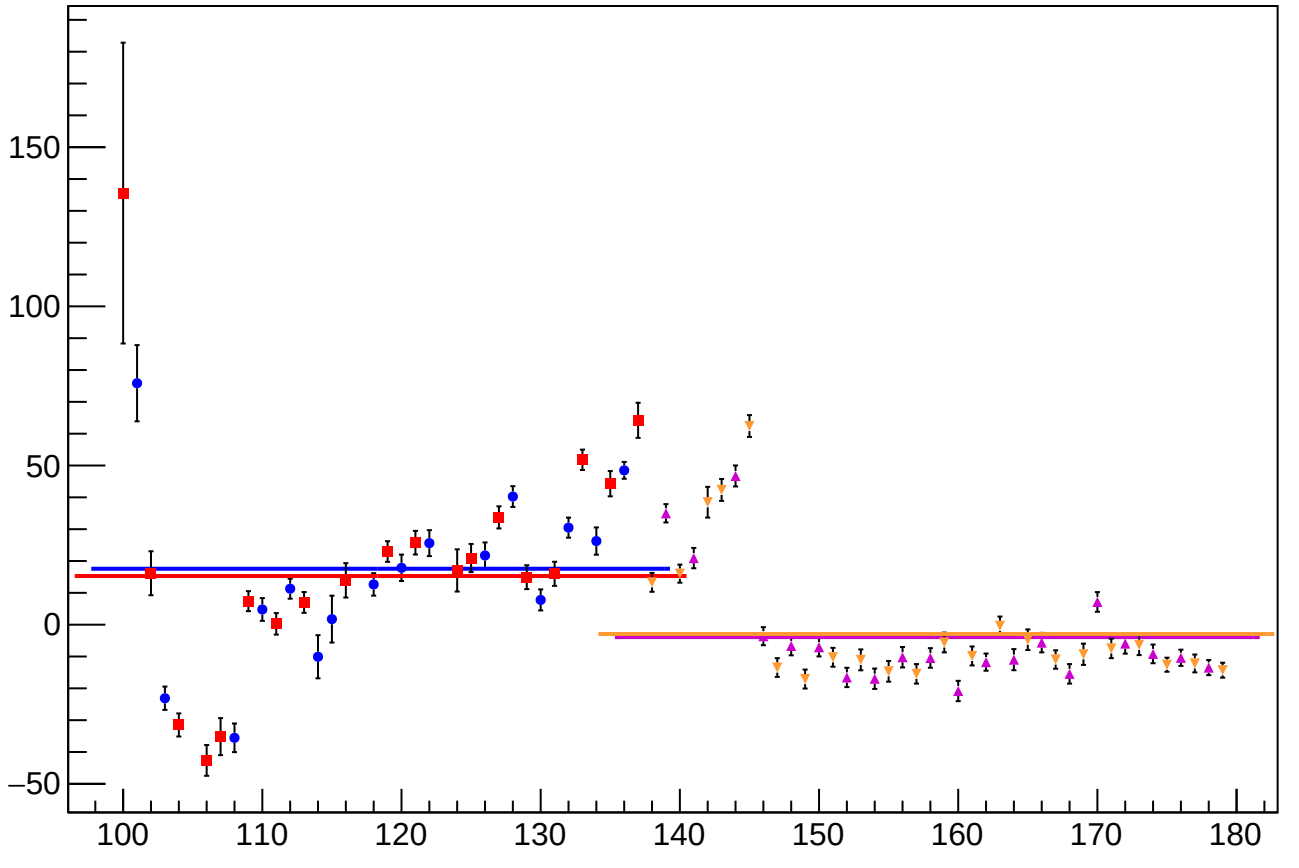
Left: 10.156+/-0.343 χ^2/NDF: 364.3/41

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.263+/-0.431 χ^2/NDF:462.3/35

Out: 12.950+/-0.413 χ^2/NDF:586.1/40

All: 12.622+/-0.298 χ^2/NDF: 1049.7/76



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -2.934+/-0.640 χ^2/NDF:834.7/21

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -3.895+/-0.664 χ^2/NDF:617.6/19

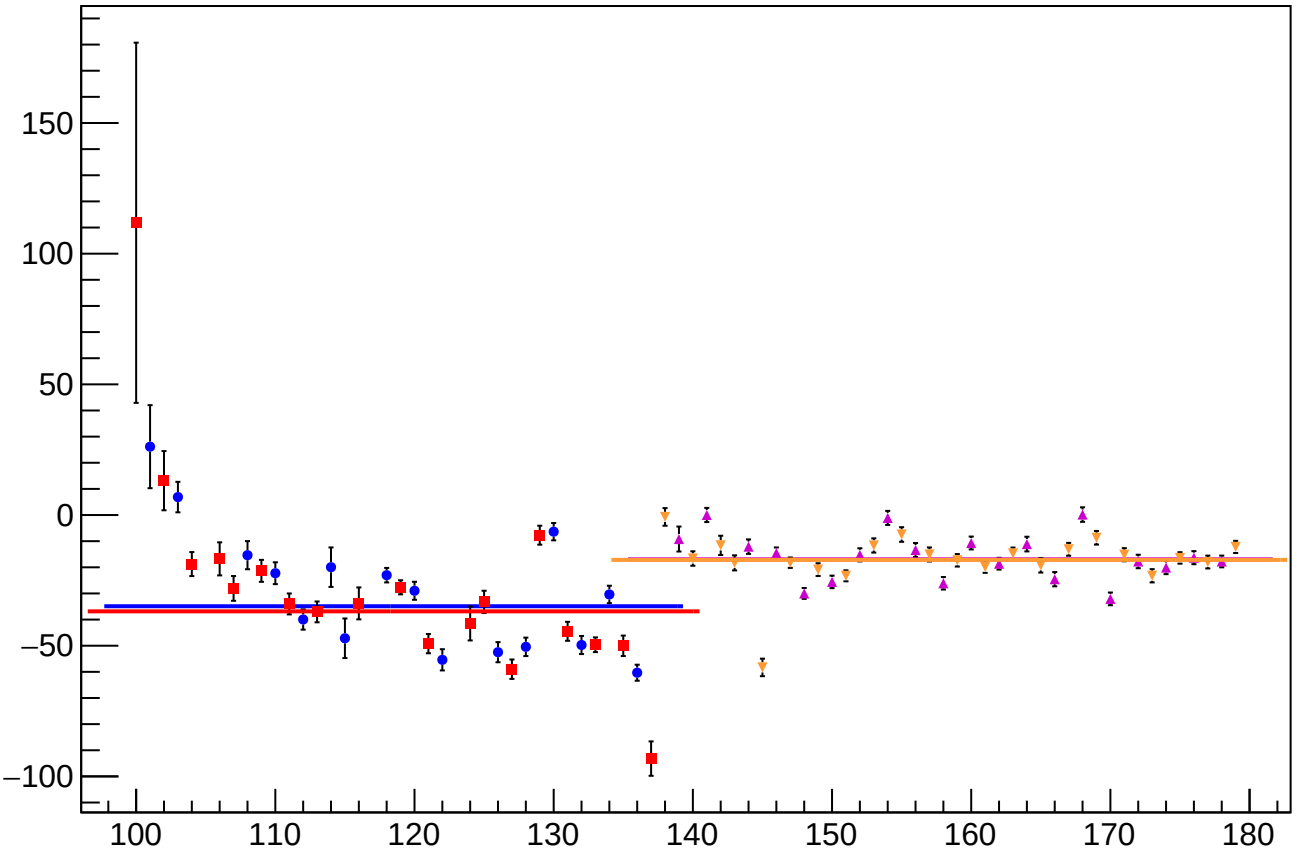
Left: -3.397+/-0.461 χ^2/NDF: 1453.4/41

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 3.087+/-0.546 χ^2/NDF:1503.7/35

Out: 2.887+/-0.528 χ^2/NDF:1823.7/40

All: 2.984+/-0.379 χ^2/NDF: 3327.4/76



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.162+/-0.540 χ^2/NDF:232.0/21

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.944+/-0.565 χ^2/NDF:247.8/19

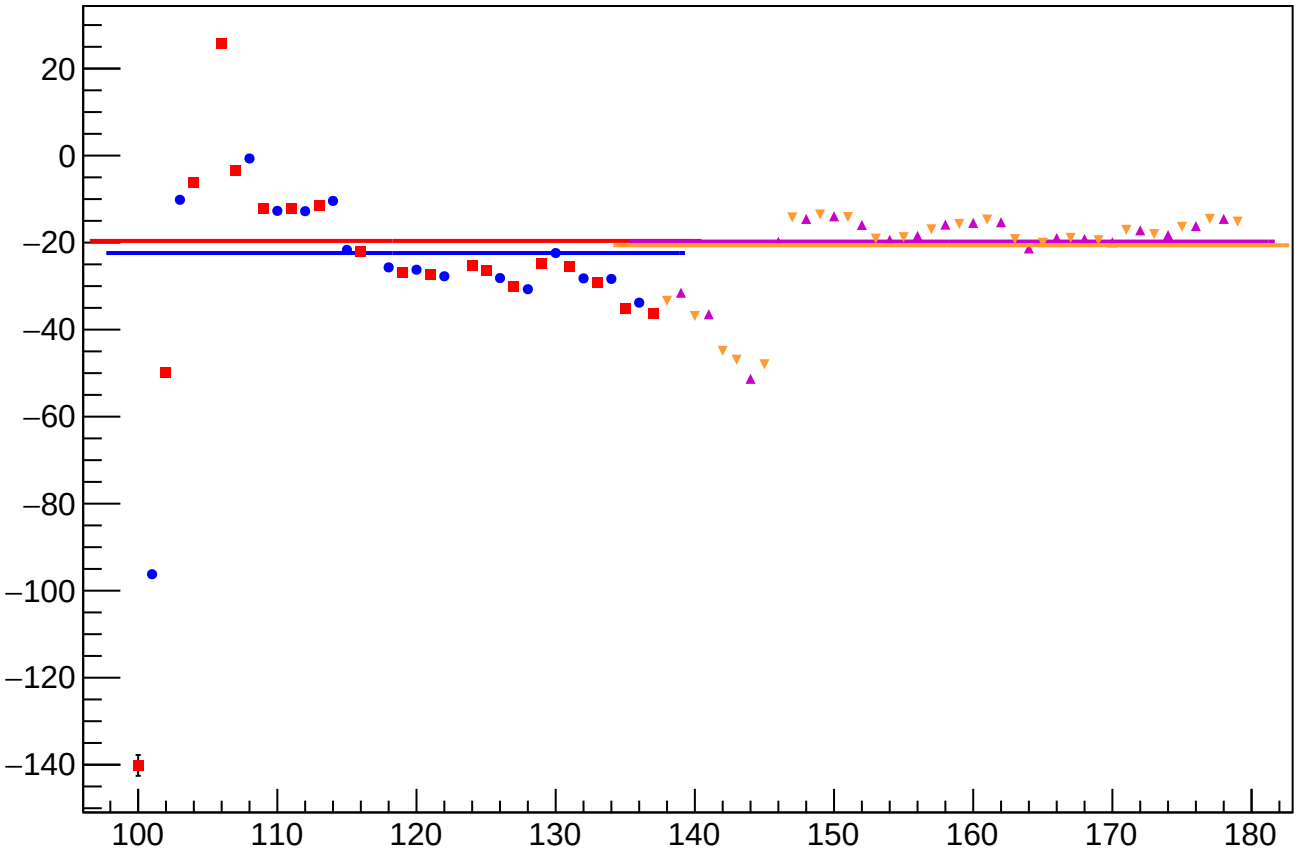
Left: -17.058+/-0.390 χ^2/NDF: 479.9/41

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.352+/-0.491 χ^2/NDF:842.5/35

Out: -21.823+/-0.472 χ^2/NDF:848.3/40

All: -21.597+/-0.340 χ^2/NDF: 1691.3/76



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.608+/-0.024 χ^2/NDF:144525.1/21

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -19.758+/-0.025 χ^2/NDF:90323.6/19

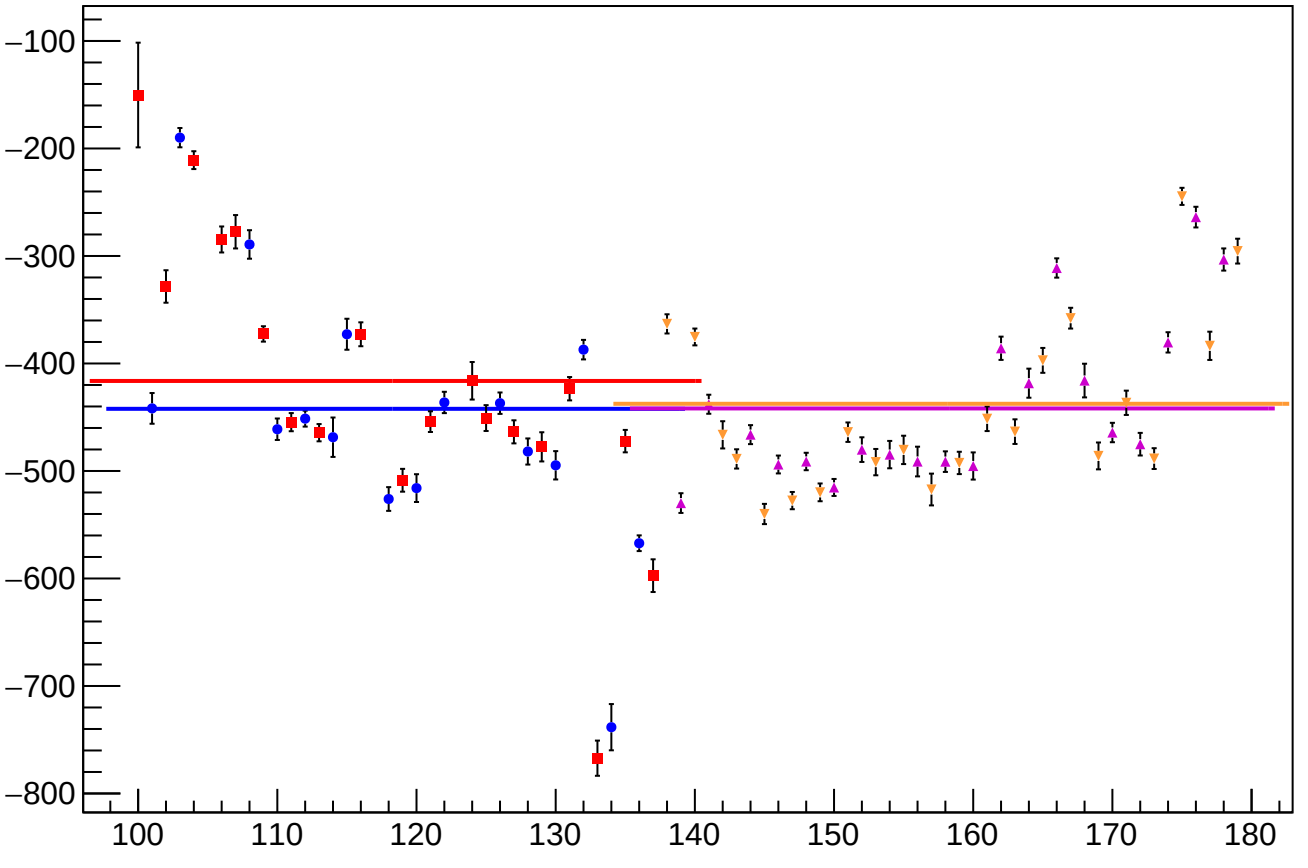
Left: -20.193+/-0.017 χ^2/NDF: 235443.0/41

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.166+/-0.023 χ^2/NDF:138571.4/35

Out: -20.464+/-0.023 χ^2/NDF:228634.4/40

All: -20.317+/-0.016 χ^2/NDF: 367291.8/76



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -437.500+/-2.157 χ^2/NDF:1497.2/21

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -441.841+/-2.222 χ^2/NDF:1168.8/19

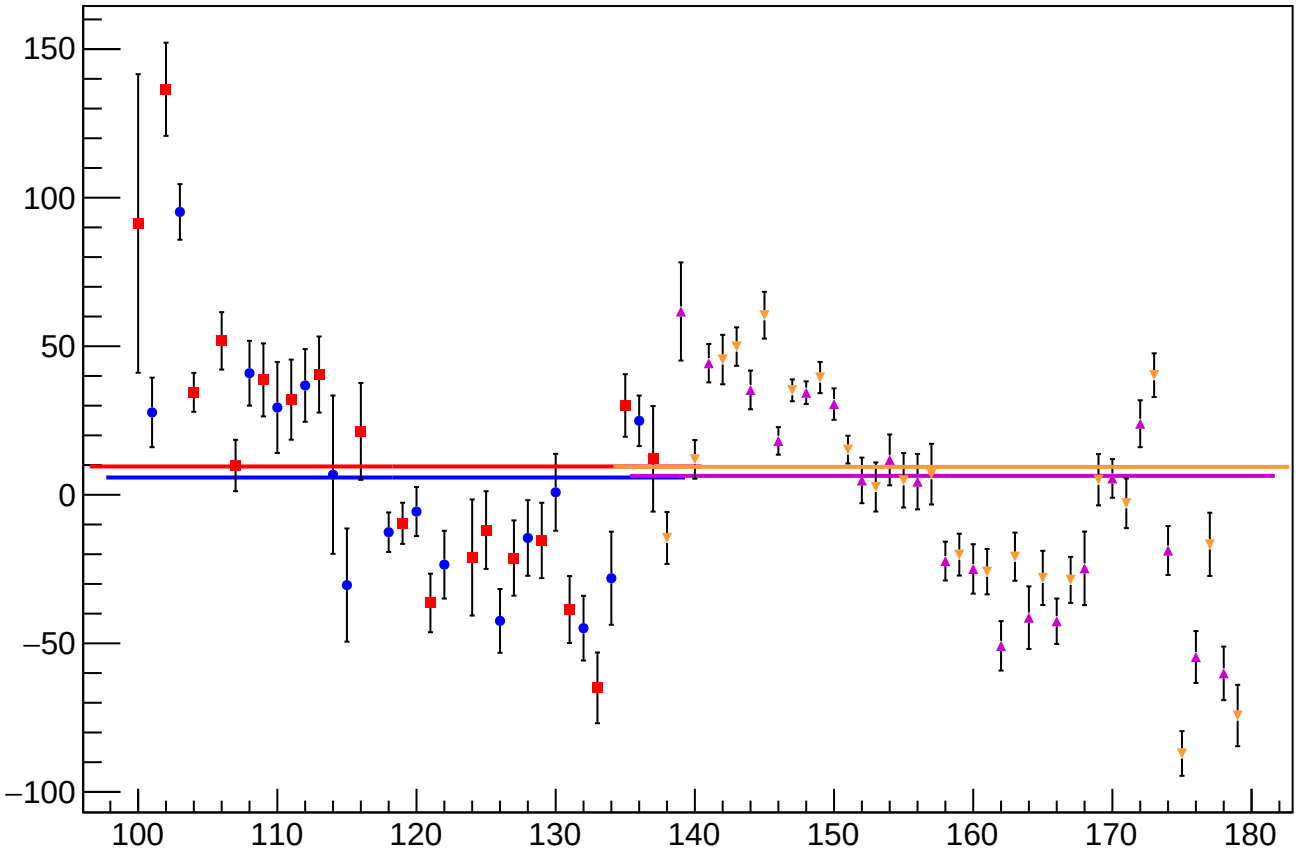
Left: -439.606+/-1.548 χ^2/NDF: 2668.0/41

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -441.980+/-1.711 χ^2/NDF:2757.9/35

Out: -428.529+/-1.639 χ^2/NDF:3292.0/40

All: -434.967+/-1.184 χ^2/NDF: 6082.1/76



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 9.400+/-1.497 χ^2/NDF:542.2/21

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 6.368+/-1.564 χ^2/NDF:412.9/19

Left: 7.951+/-1.081 χ^2/NDF: 957.1/41

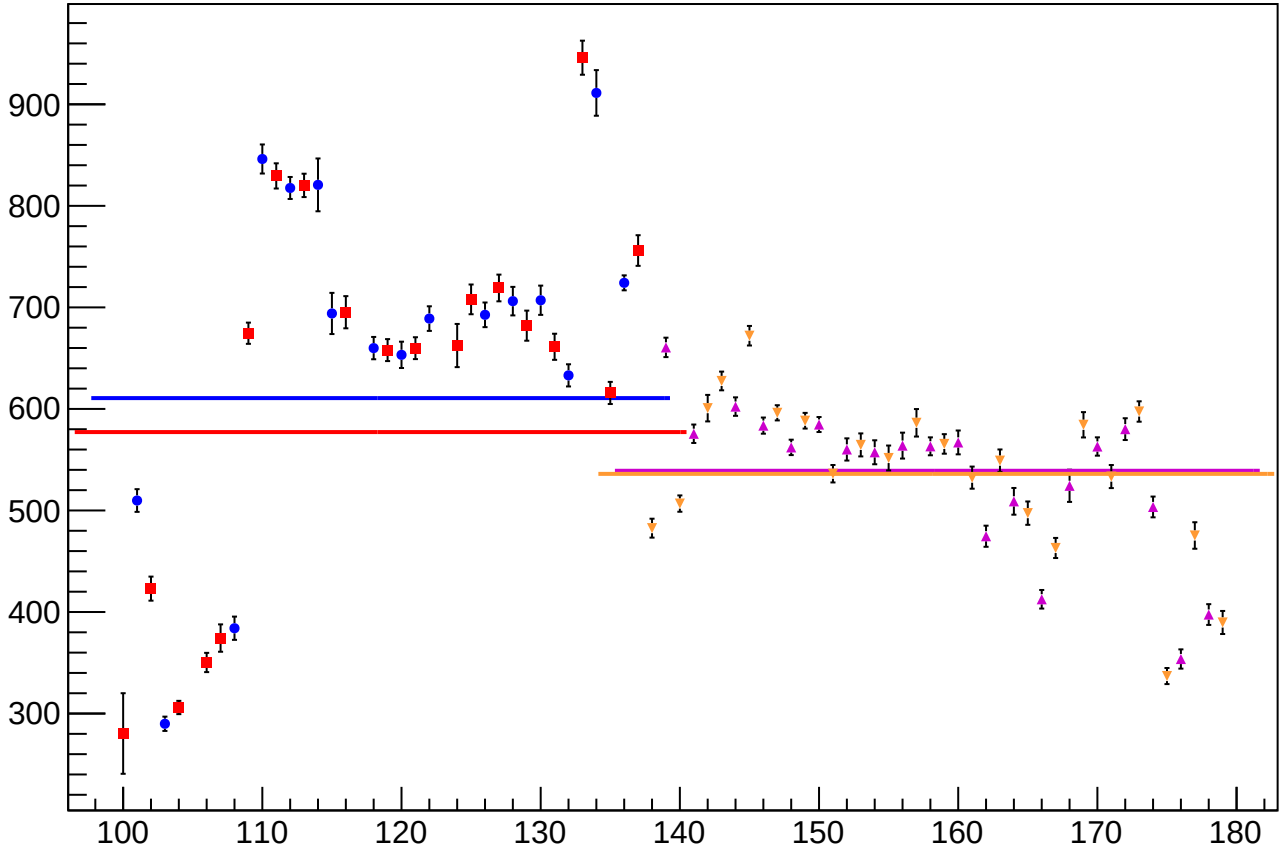
Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 6.234+/-1.357 χ^2/NDF:601.0/35

Out: 9.435+/-1.292 χ^2/NDF:764.4/40

All: 7.913+/-0.936 χ^2/NDF: 1368.3/76

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 536.041+/-2.121 χ^2/NDF:1449.4/21

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 539.092+/-2.179 χ^2/NDF:1170.6/19

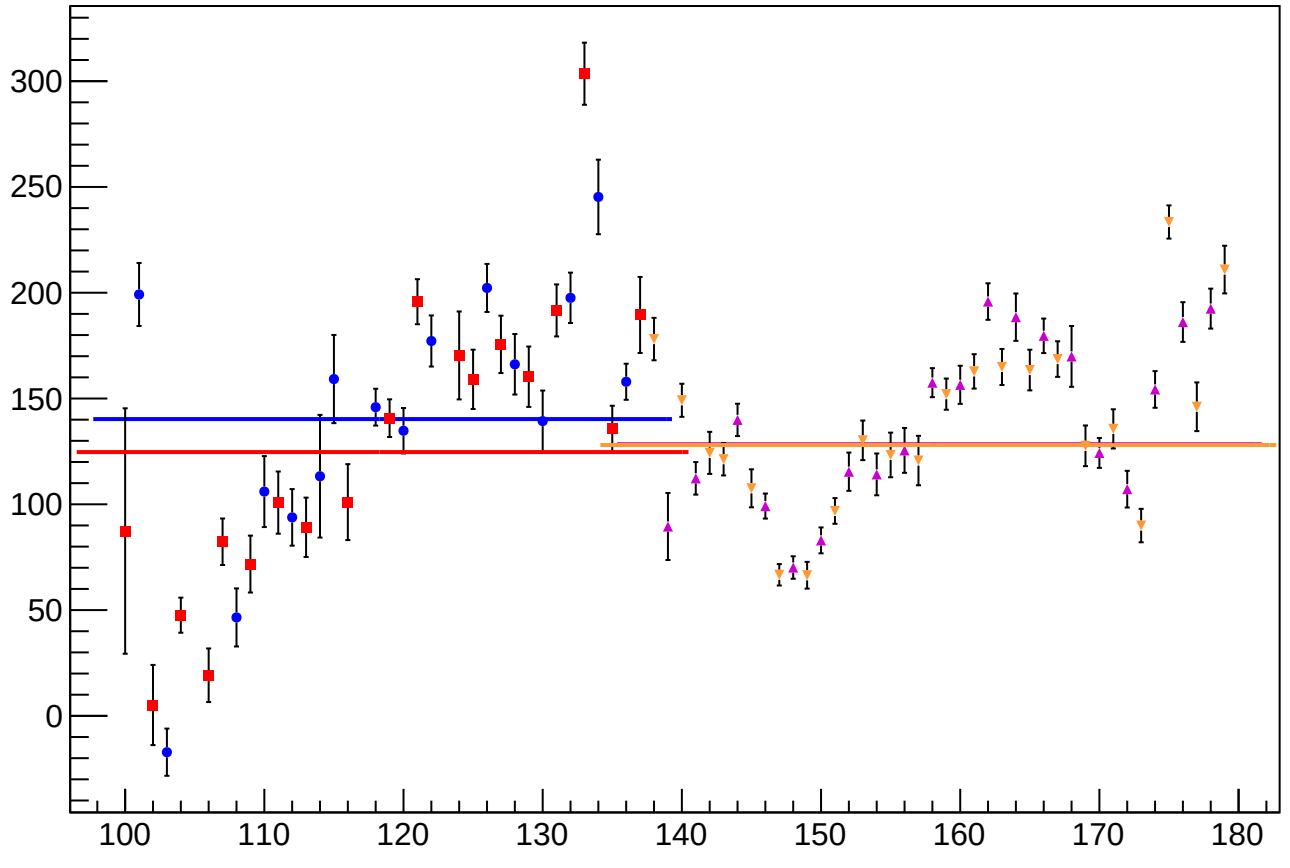
Left: 537.525+/-1.520 χ^2/NDF: 2620.9/41

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 565.009+/-1.740 χ^2/NDF:5453.7/35

Out: 551.359+/-1.681 χ^2/NDF:6389.8/40

All: 557.945+/-1.209 χ^2/NDF: 11875.4/76



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 128.021+/-1.748 χ^2/NDF:652.7/21

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 128.396+/-1.813 χ^2/NDF:481.3/19

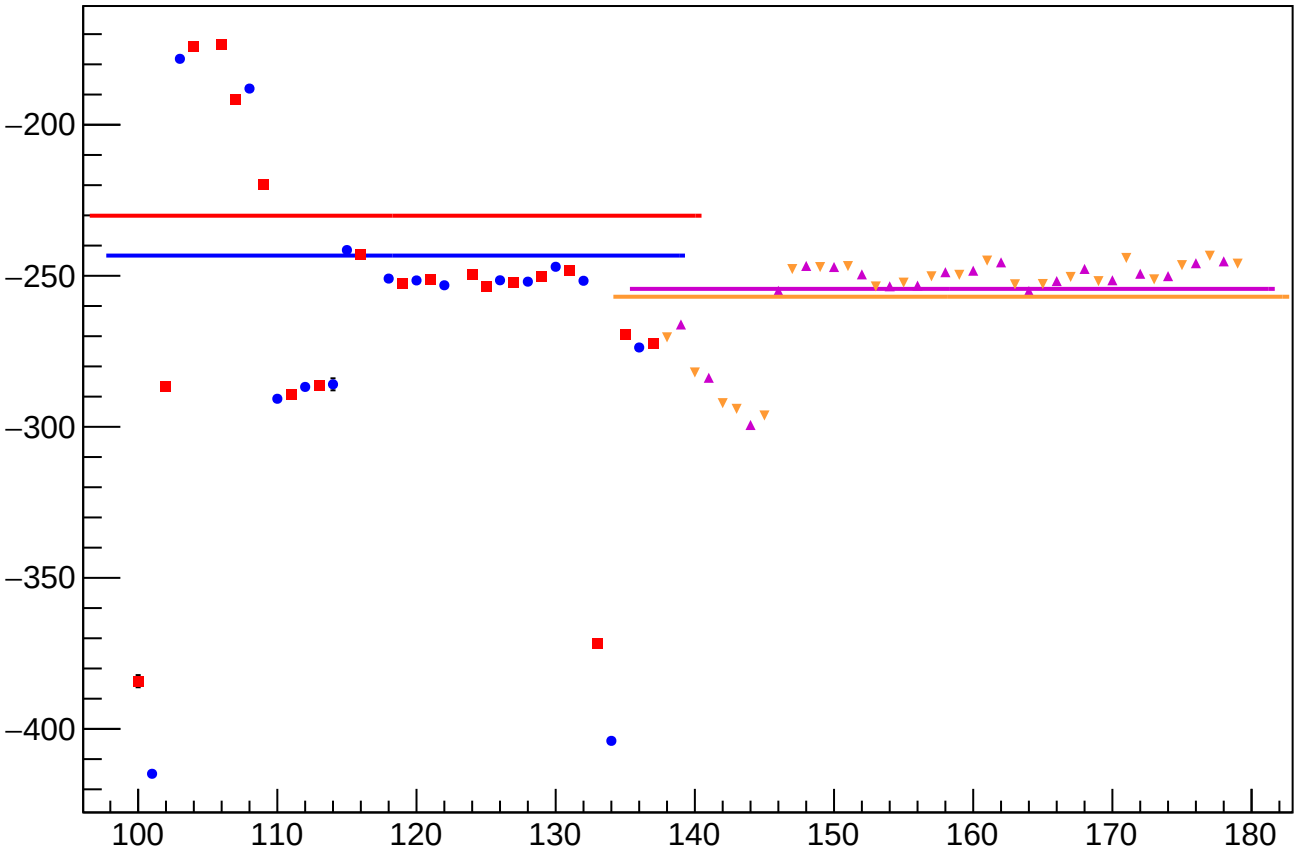
Left: 128.202+/-1.259 χ^2/NDF: 1134.0/41

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 131.351+/-1.572 χ^2/NDF:877.4/35

Out: 127.170+/-1.508 χ^2/NDF:1162.1/40

All: 129.174+/-1.088 χ^2/NDF: 2043.2/76



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -256.932+/-0.082 χ^2/NDF:38977.6/21

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -254.332+/-0.083 χ^2/NDF:23549.7/19

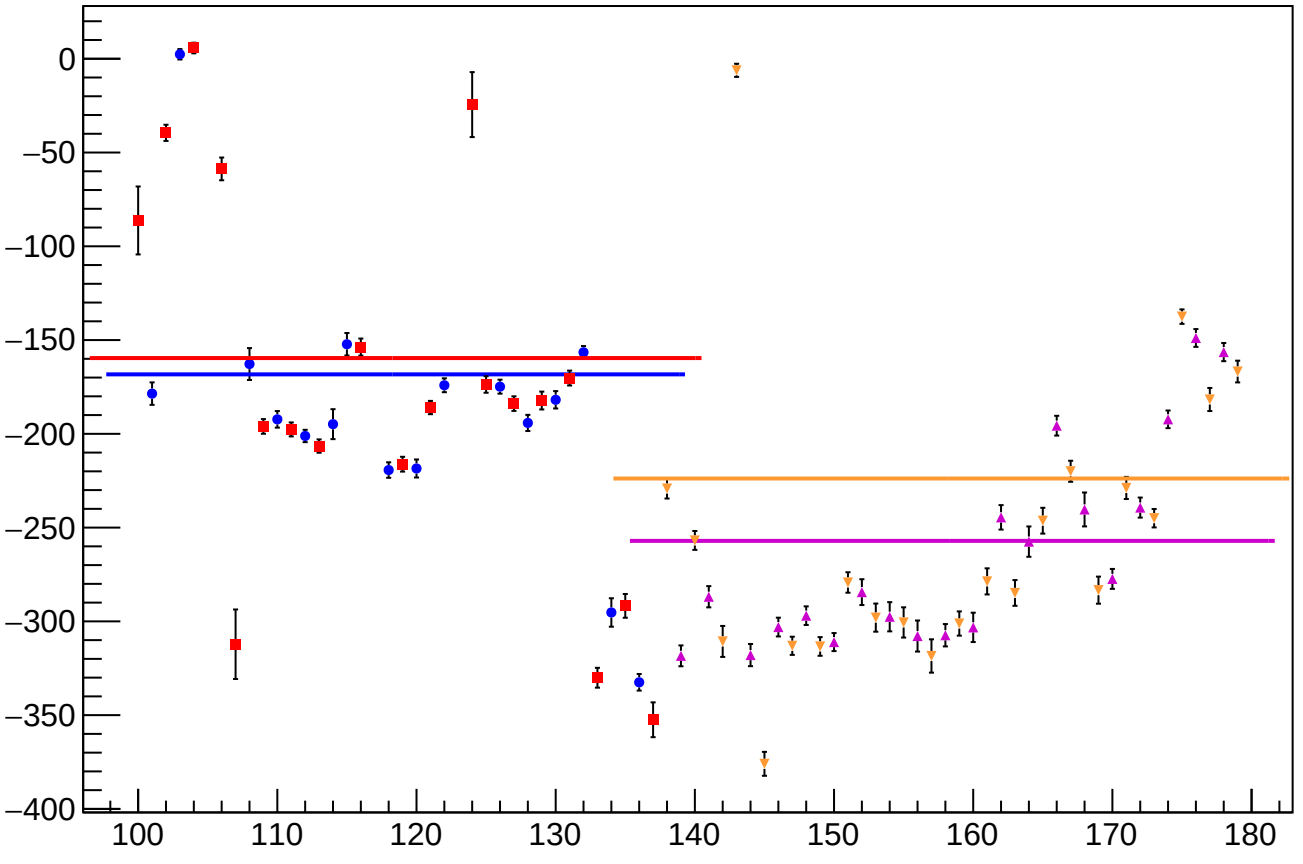
Left: -255.644+/-0.059 χ^2/NDF: 63021.4/41

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.046+/-0.074 χ^2/NDF:200685.1/35

Out: -251.165+/-0.073 χ^2/NDF:164235.3/40

All: -251.600+/-0.052 χ^2/NDF: 364992.3/76



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -223.825+/-1.205 χ^2/NDF:6663.2/21

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -257.076+/-1.289 χ^2/NDF:2023.3/19

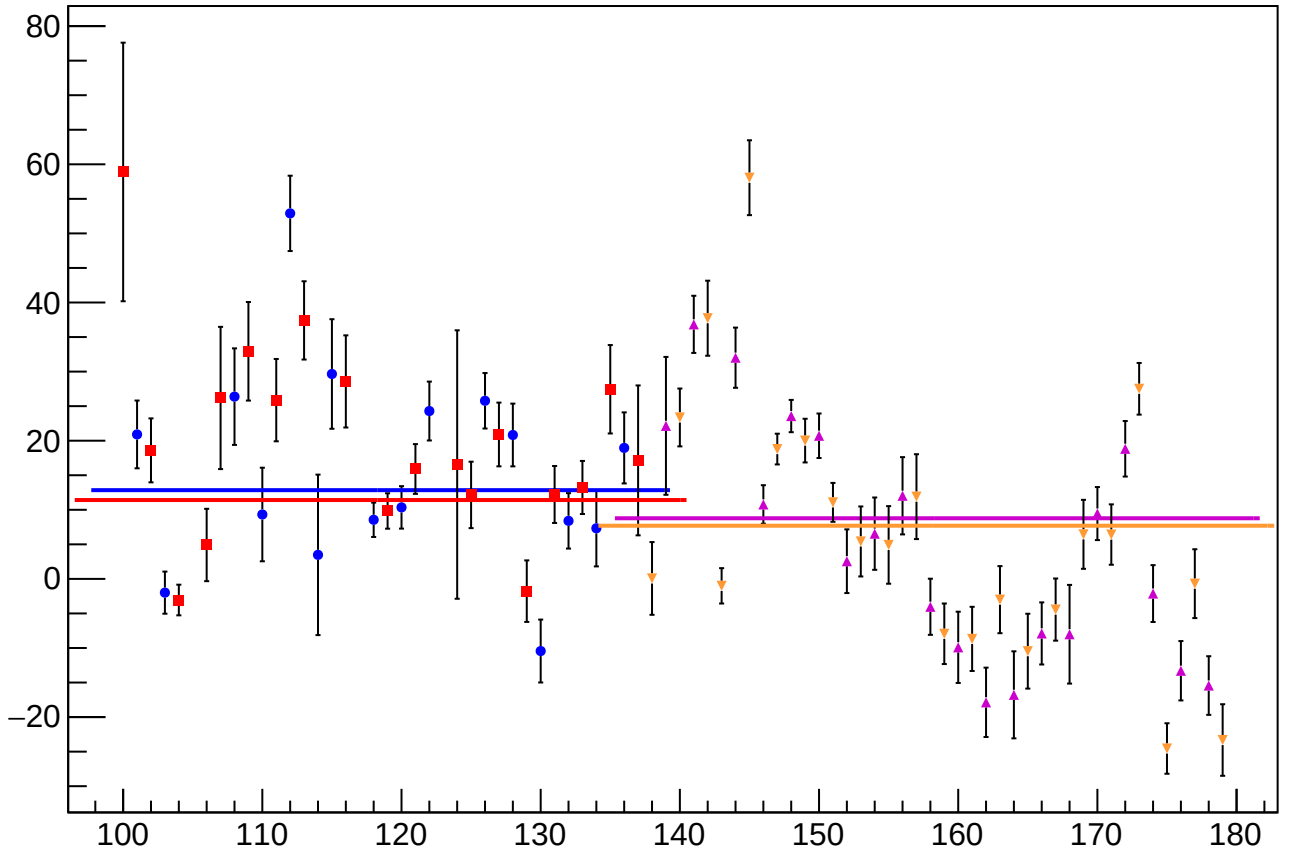
Left: -239.336+/-0.880 χ^2/NDF: 9041.6/41

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -204.746+/-0.826 χ^2/NDF:10727.8/35

Out: -187.084+/-0.788 χ^2/NDF:15485.7/40

All: -195.505+/-0.570 χ^2/NDF: 26452.8/76



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 7.696+/-0.851 χ^2/NDF:380.5/21

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 8.774+/-0.922 χ^2/NDF:292.3/19

Left: 8.192+/-0.625 χ^2/NDF: 673.5/41

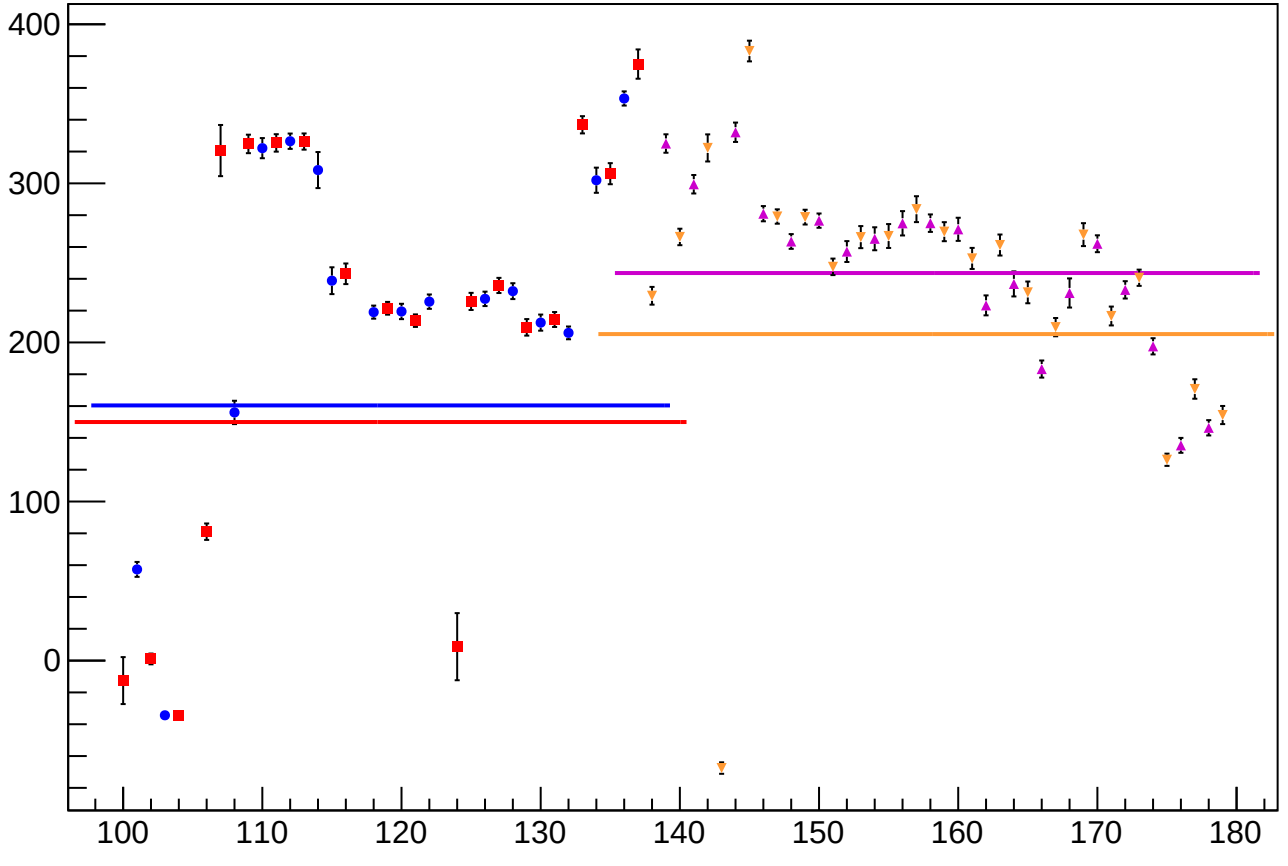
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 10.495+/-0.700 χ^2/NDF:444.2/35

Out: 9.195+/-0.658 χ^2/NDF:507.7/40

All: 9.804+/-0.479 χ^2/NDF: 953.8/76

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 205.256+/-1.190 χ^2/NDF:8540.6/21

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 243.629+/-1.268 χ^2/NDF:1889.2/19

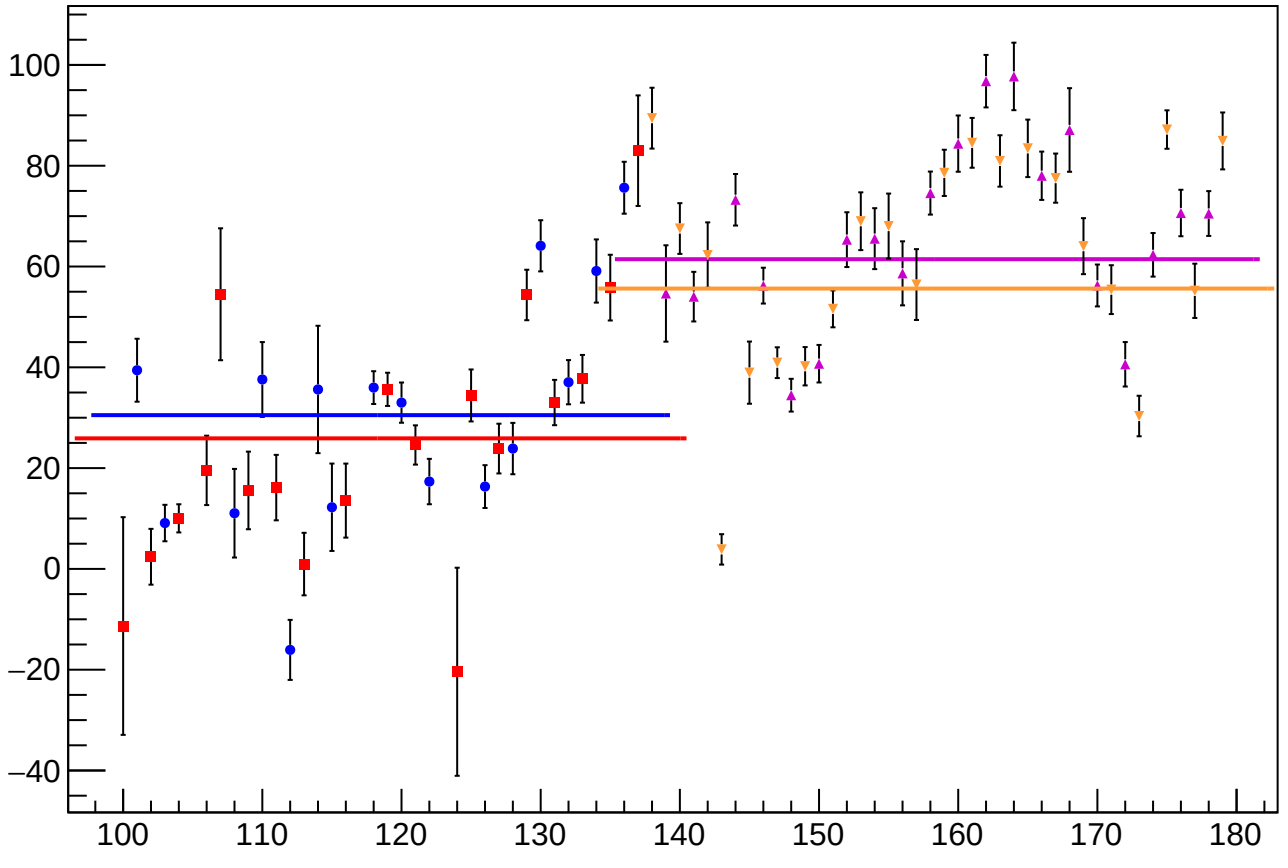
Left: 223.226+/-0.868 χ^2/NDF: 10916.7/41

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 197.569+/-0.847 χ^2/NDF:18222.9/35

Out: 175.612+/-0.810 χ^2/NDF:25962.9/40

All: 186.102+/-0.586 χ^2/NDF: 44536.4/76



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 55.630+/-0.988 χ^2/NDF:654.6/21

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 61.454+/-1.062 χ^2/NDF:266.6/19

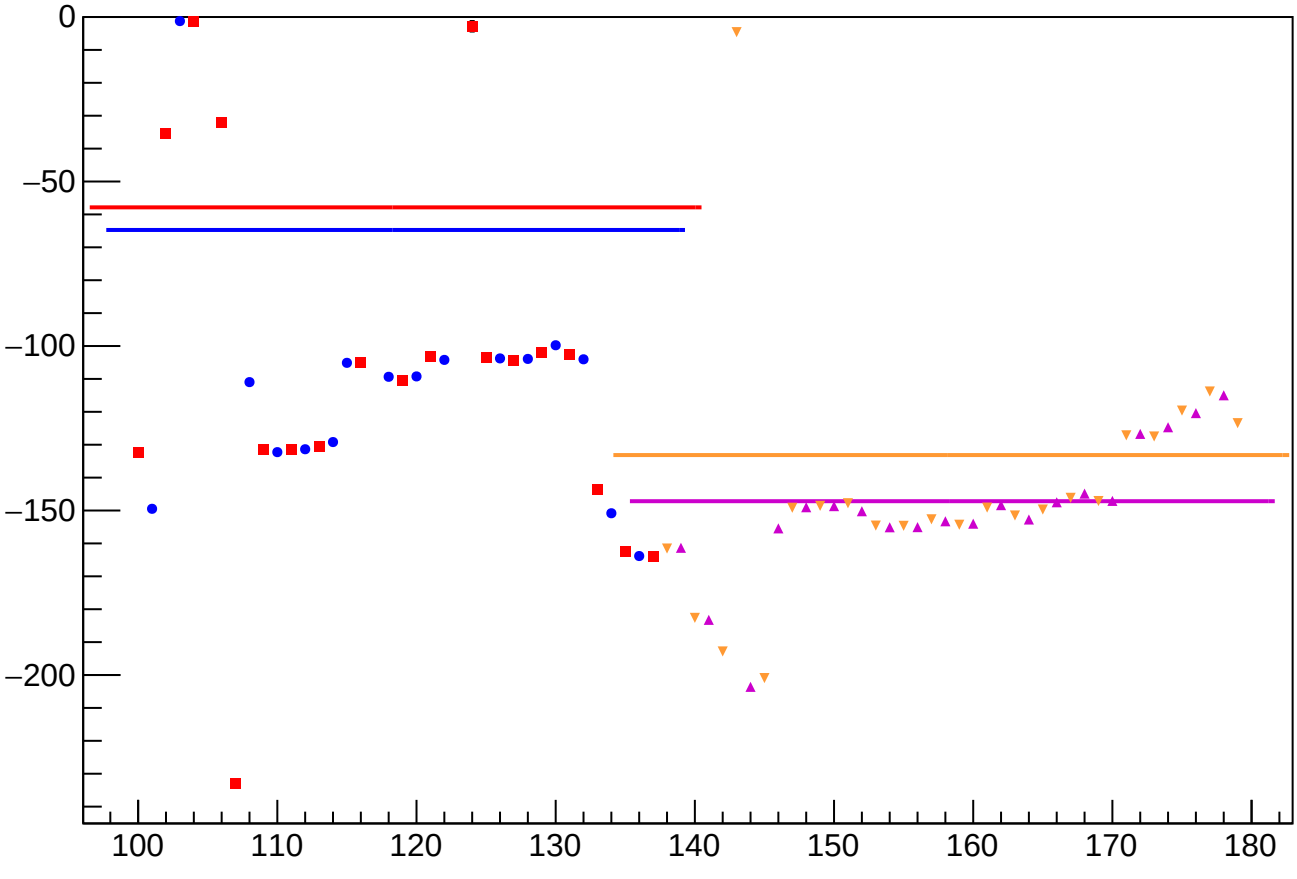
Left: 58.333+/-0.723 χ^2/NDF: 937.3/41

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 48.538+/-0.811 χ^2/NDF:898.0/35

Out: 43.769+/-0.766 χ^2/NDF:1203.3/40

All: 46.020+/-0.557 χ^2/NDF: 2119.6/76



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.144+/-0.046 χ^2/NDF:983310.0/21

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -147.167+/-0.048 χ^2/NDF:144972.9/19

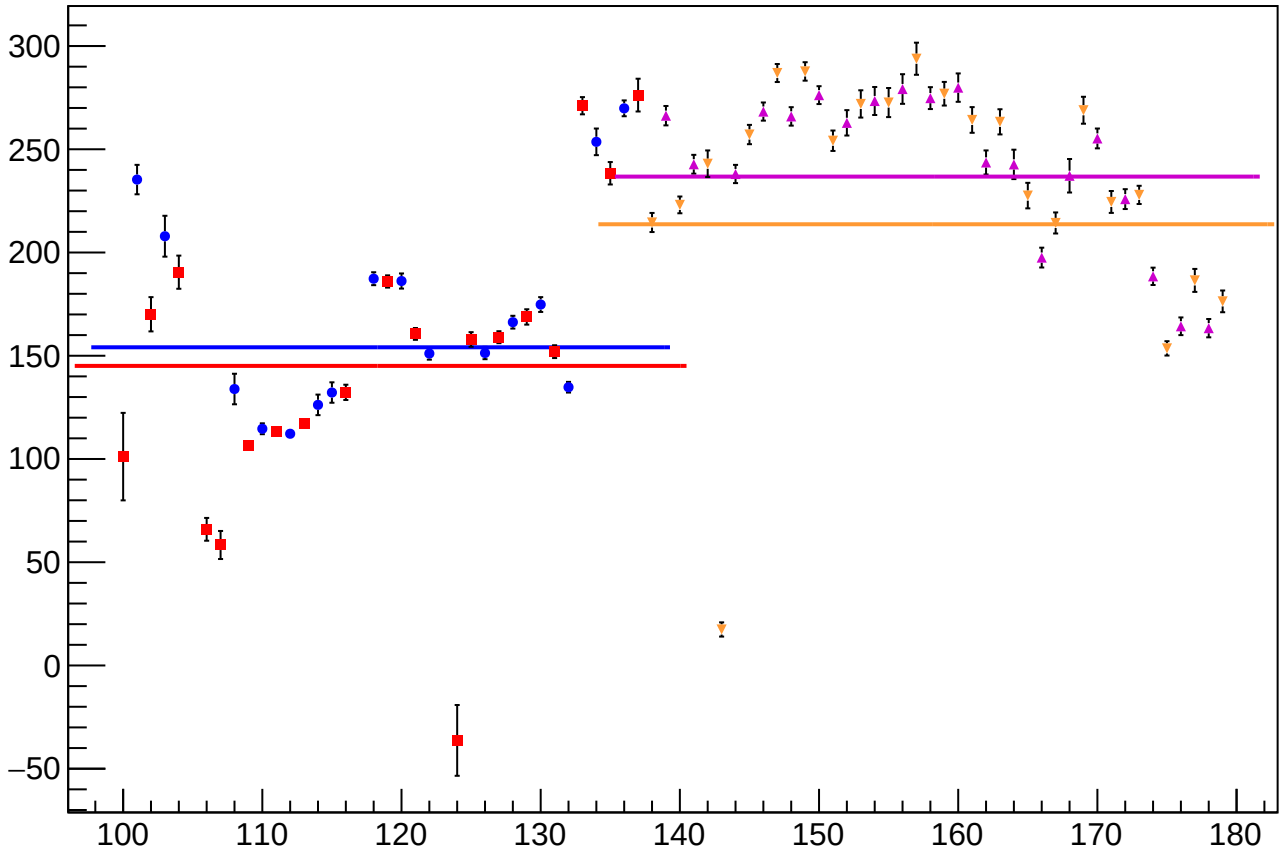
Left: -139.866+/-0.033 χ^2/NDF: 1172030.8/41

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.069+/-0.039 χ^2/NDF:2249806.9/35

Out: -106.184+/-0.037 χ^2/NDF:2801138.2/40

All: -111.432+/-0.027 χ^2/NDF: 5092248.6/76



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 213.679+/-1.069 χ^2/NDF:4953.8/21

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 236.762+/-1.132 χ^2/NDF:1171.7/19

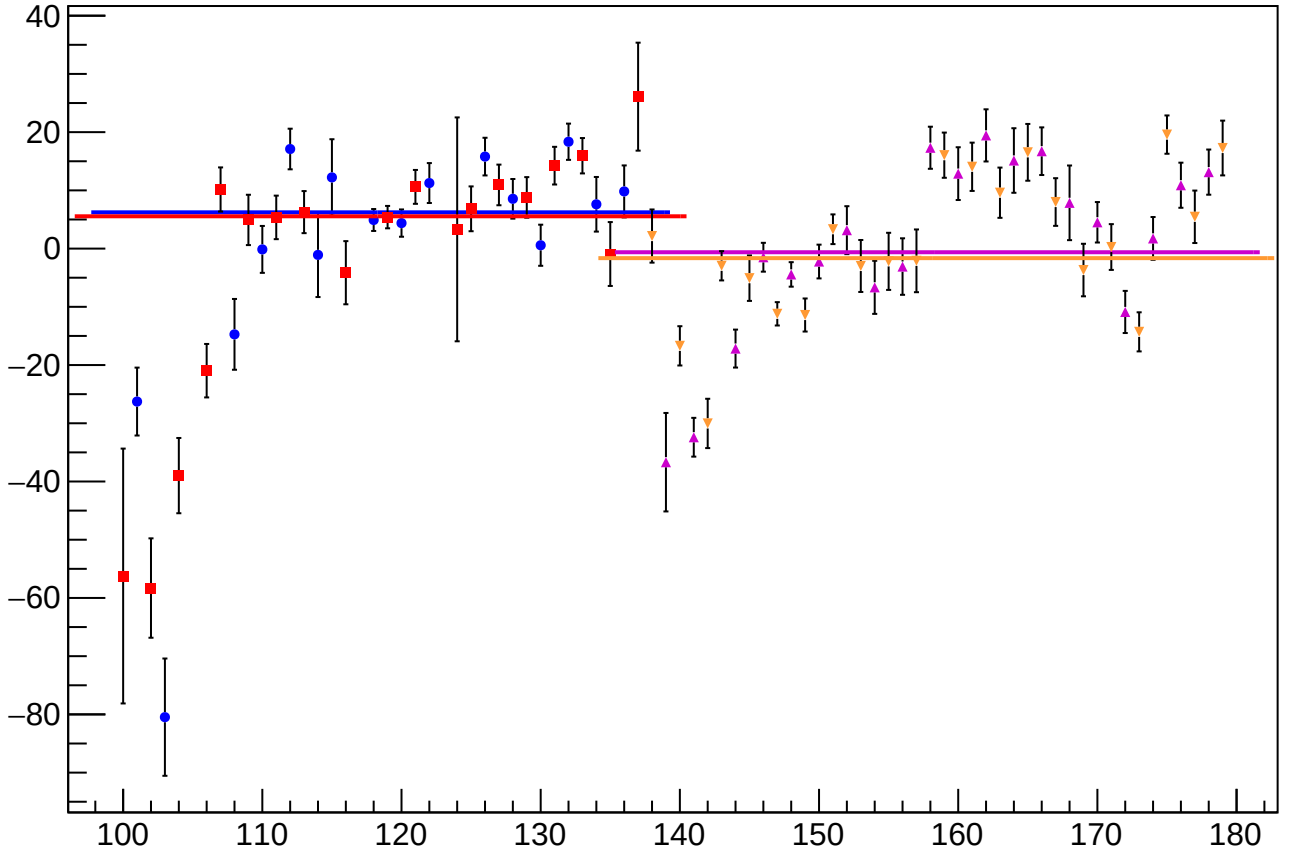
Left: 224.568+/-0.777 χ^2/NDF: 6345.3/41

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 184.761+/-0.689 χ^2/NDF:6808.8/35

Out: 170.713+/-0.654 χ^2/NDF:10488.9/40

All: 177.365+/-0.474 χ^2/NDF: 17516.3/76



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -1.639+/-0.759 χ^2/NDF:241.3/21

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -0.625+/-0.813 χ^2/NDF:255.0/19

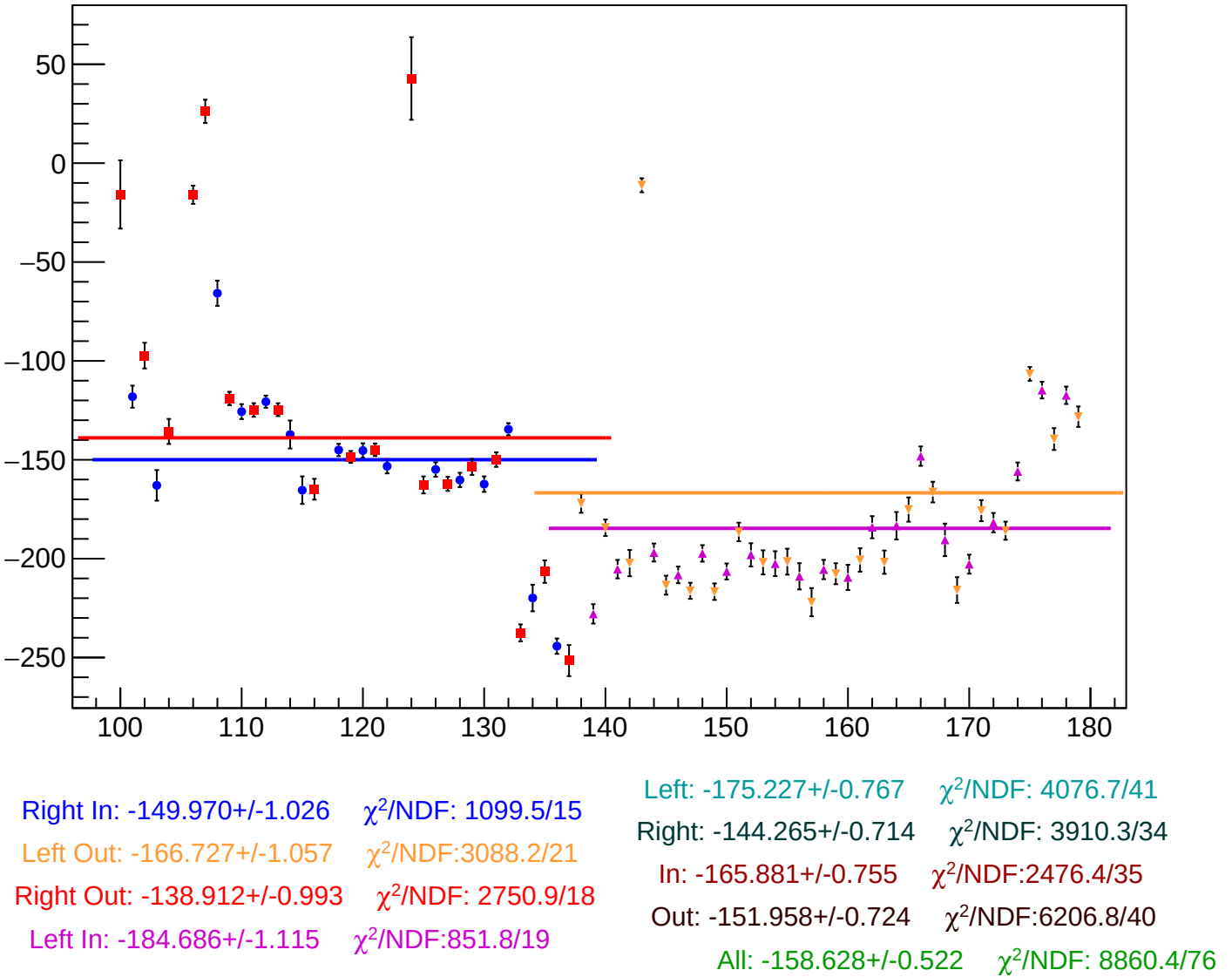
Left: -1.167+/-0.555 χ^2/NDF: 497.1/41

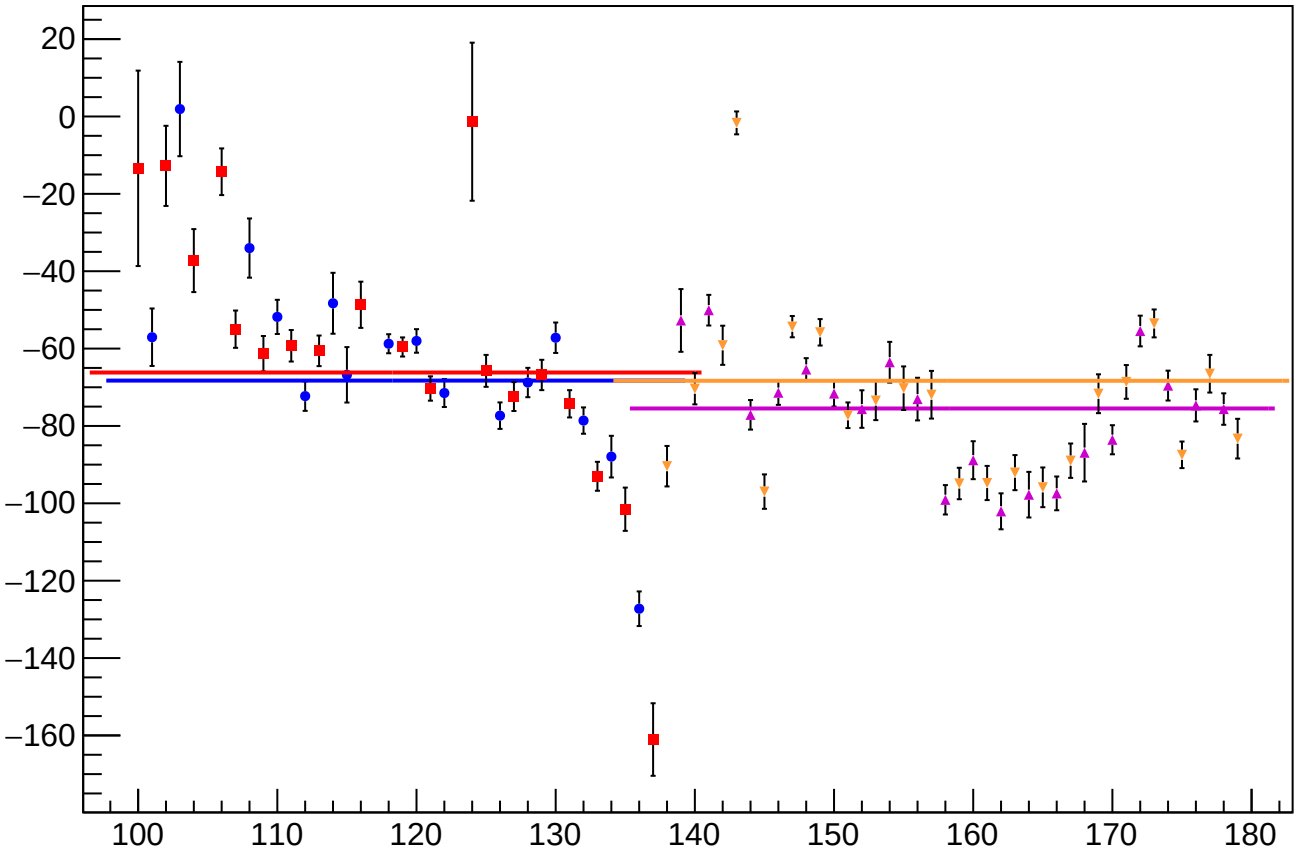
Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 2.492+/-0.600 χ^2/NDF:449.4/35

Out: 1.388+/-0.577 χ^2/NDF:460.2/40

All: 1.918+/-0.416 χ^2/NDF: 911.4/76


reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
Right In: -149.970+/-1.026 χ²/NDF: 1099.5/15
Left Out: -166.727+/-1.057 χ²/NDF:3088.2/21
Right Out: -138.912+/-0.993 χ²/NDF: 2750.9/18
Left In: -184.686+/-1.115 χ²/NDF:851.8/19
Left: -175.227+/-0.767 χ²/NDF: 4076.7/41
Right: -144.265+/-0.714 χ²/NDF: 3910.3/34
In: -165.881+/-0.755 χ²/NDF:2476.4/35
Out: -151.958+/-0.724 χ²/NDF:6206.8/40
All: -158.628+/-0.522 χ²/NDF: 8860.4/76



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -68.321+/-0.880 χ^2/NDF:830.8/21

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.484+/-0.936 χ^2/NDF:222.5/19

Left: -71.683+/-0.641 χ^2/NDF: 1084.3/41

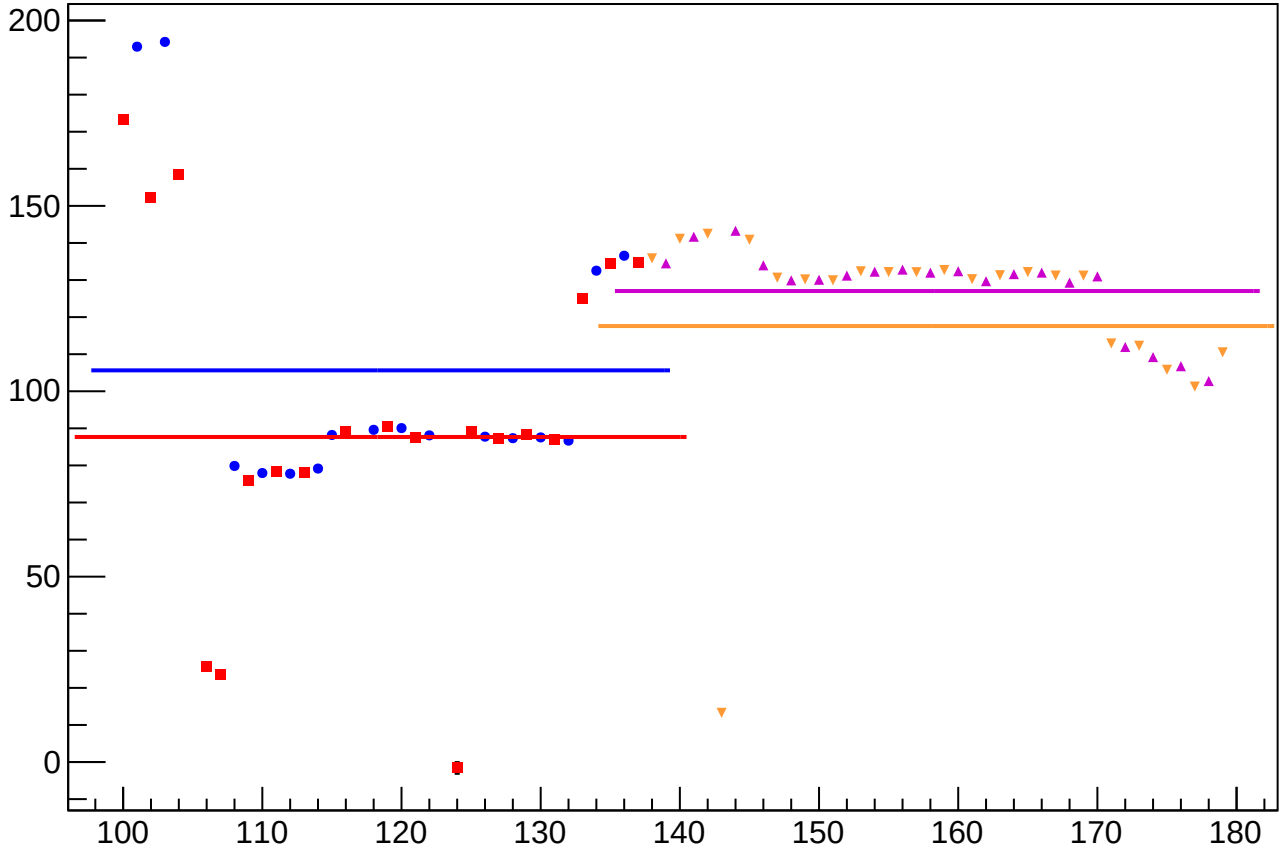
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.232+/-0.694 χ^2/NDF:564.7/35

Out: -67.413+/-0.668 χ^2/NDF:1191.6/40

All: -69.730+/-0.481 χ^2/NDF: 1781.3/76

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.589+/-0.041 χ^2/NDF:621076.0/21

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 127.036+/-0.043 χ^2/NDF:69726.5/19

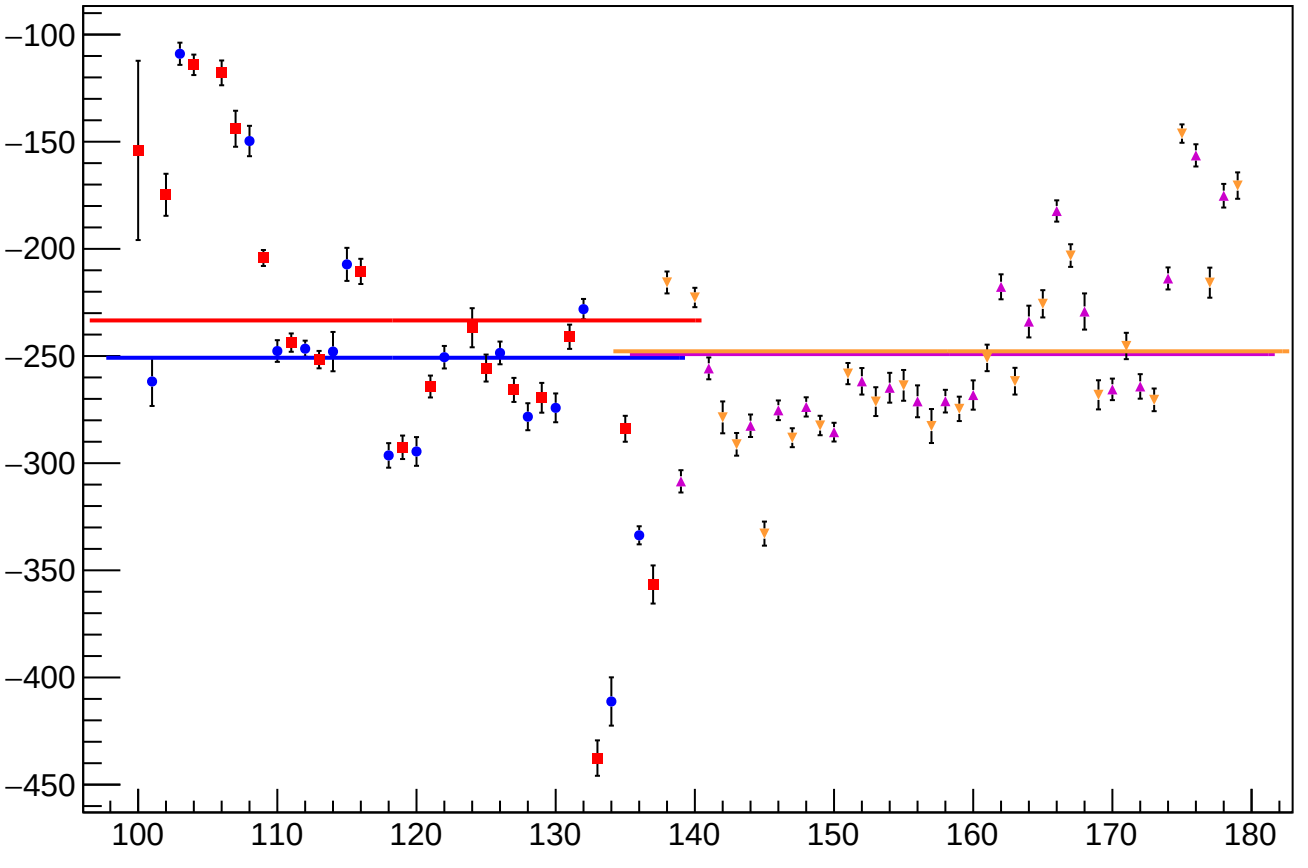
Left: 122.157+/-0.030 χ^2/NDF: 716187.2/41

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 121.351+/-0.037 χ^2/NDF:376339.0/35

Out: 109.124+/-0.035 χ^2/NDF:1144533.9/40

All: 114.963+/-0.025 χ^2/NDF: 1579453.8/76



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -247.798+/-1.196 χ^2/NDF:1444.1/21

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -249.103+/-1.228 χ^2/NDF:1131.3/19

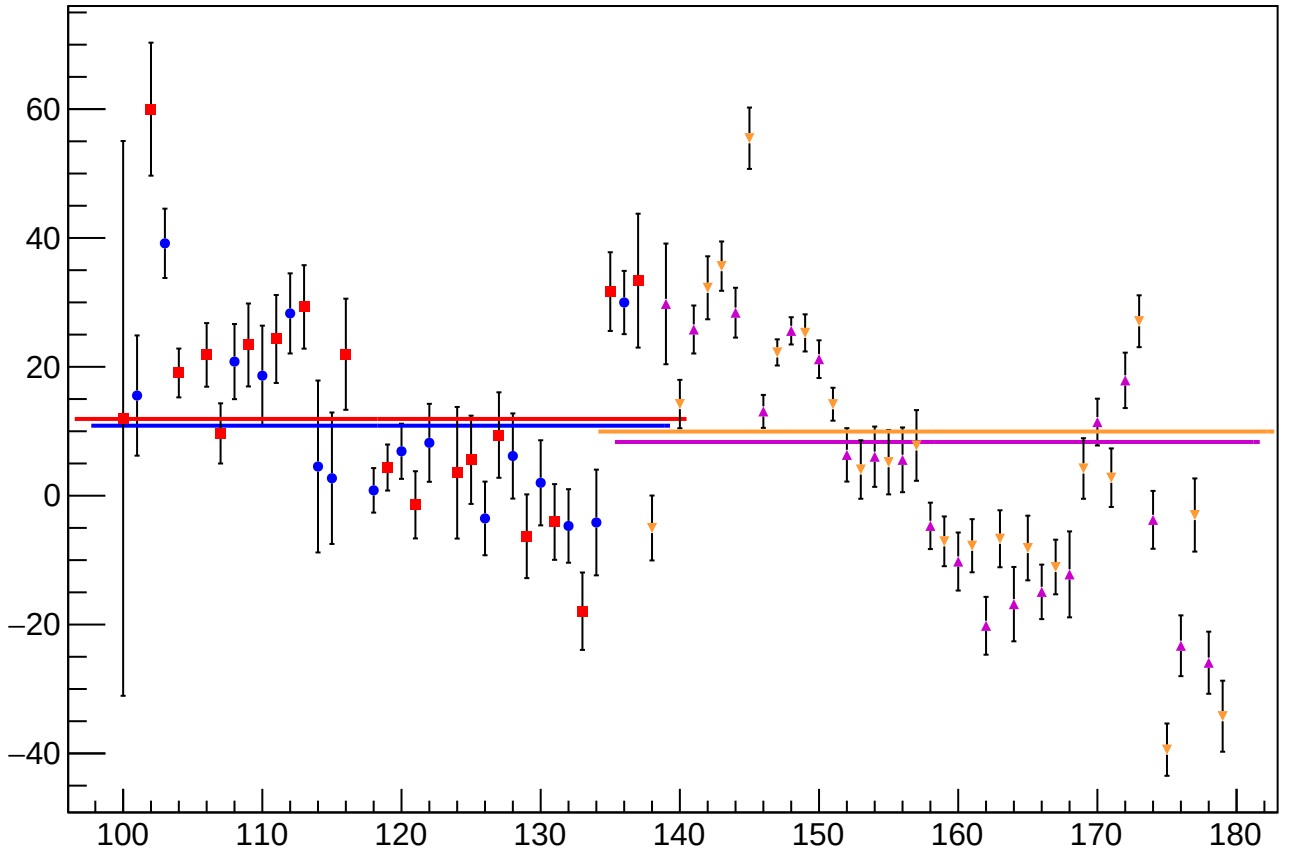
Left: -248.434+/-0.857 χ^2/NDF: 2576.0/41

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -249.824+/-0.934 χ^2/NDF:2867.8/35

Out: -241.375+/-0.890 χ^2/NDF:3887.3/40

All: -245.398+/-0.644 χ^2/NDF: 6797.9/76



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 9.958+/-0.829 χ^2/NDF:567.0/21

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 8.336+/-0.864 χ^2/NDF:381.7/19

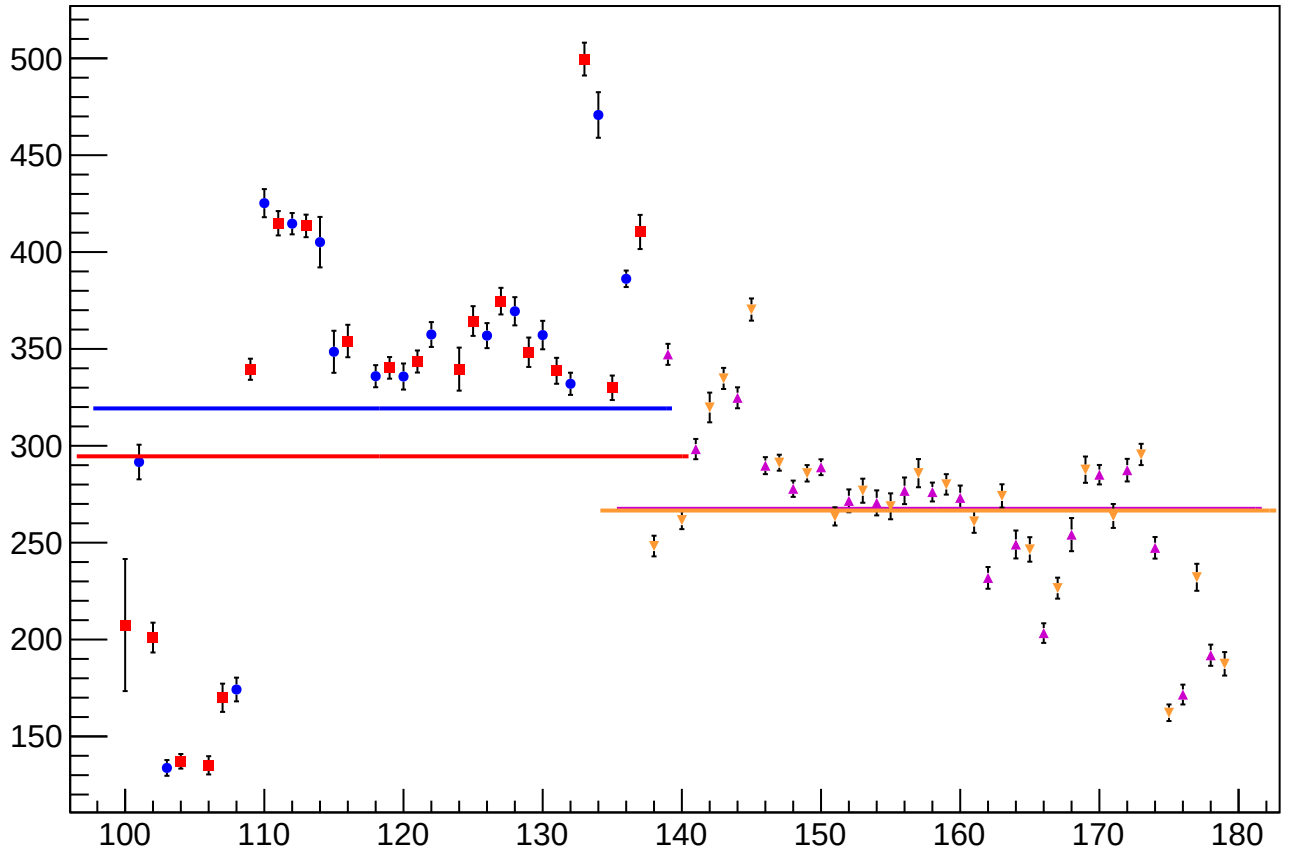
Left: 9.181+/-0.598 χ^2/NDF: 950.5/41

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 8.985+/-0.745 χ^2/NDF:468.5/35

Out: 10.483+/-0.709 χ^2/NDF:680.4/40

All: 9.771+/-0.514 χ^2/NDF: 1151.0/76



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 266.590+/-1.174 χ^2/NDF:1514.8/21

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 267.477+/-1.203 χ^2/NDF:1217.9/19

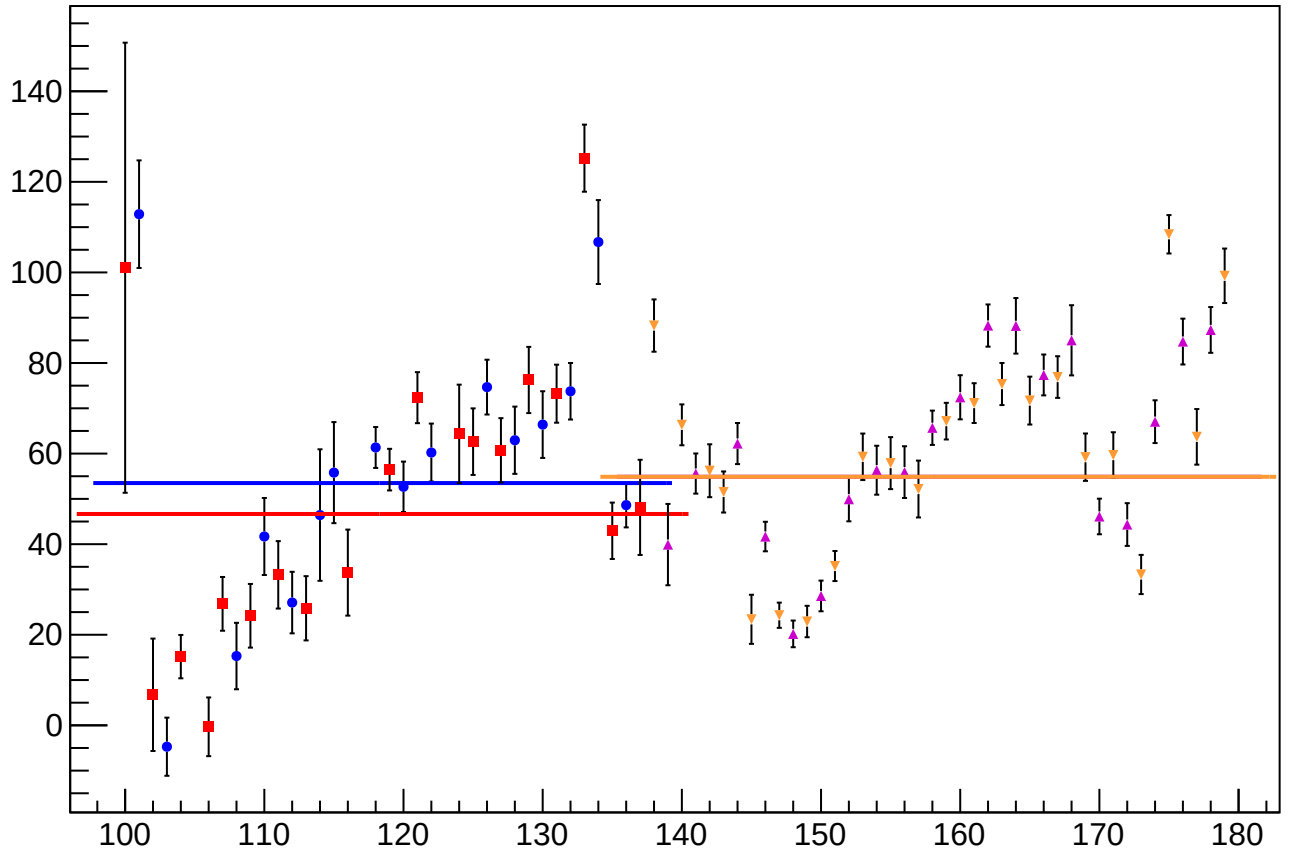
Left: 267.023+/-0.840 χ^2/NDF: 2733.0/41

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 286.405+/-0.959 χ^2/NDF:5688.3/35

Out: 277.387+/-0.920 χ^2/NDF:7237.0/40

All: 281.712+/-0.664 χ^2/NDF: 12971.3/76



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 54.876+/-0.967 χ^2/NDF:633.9/21

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 54.885+/-1.001 χ^2/NDF:456.7/19

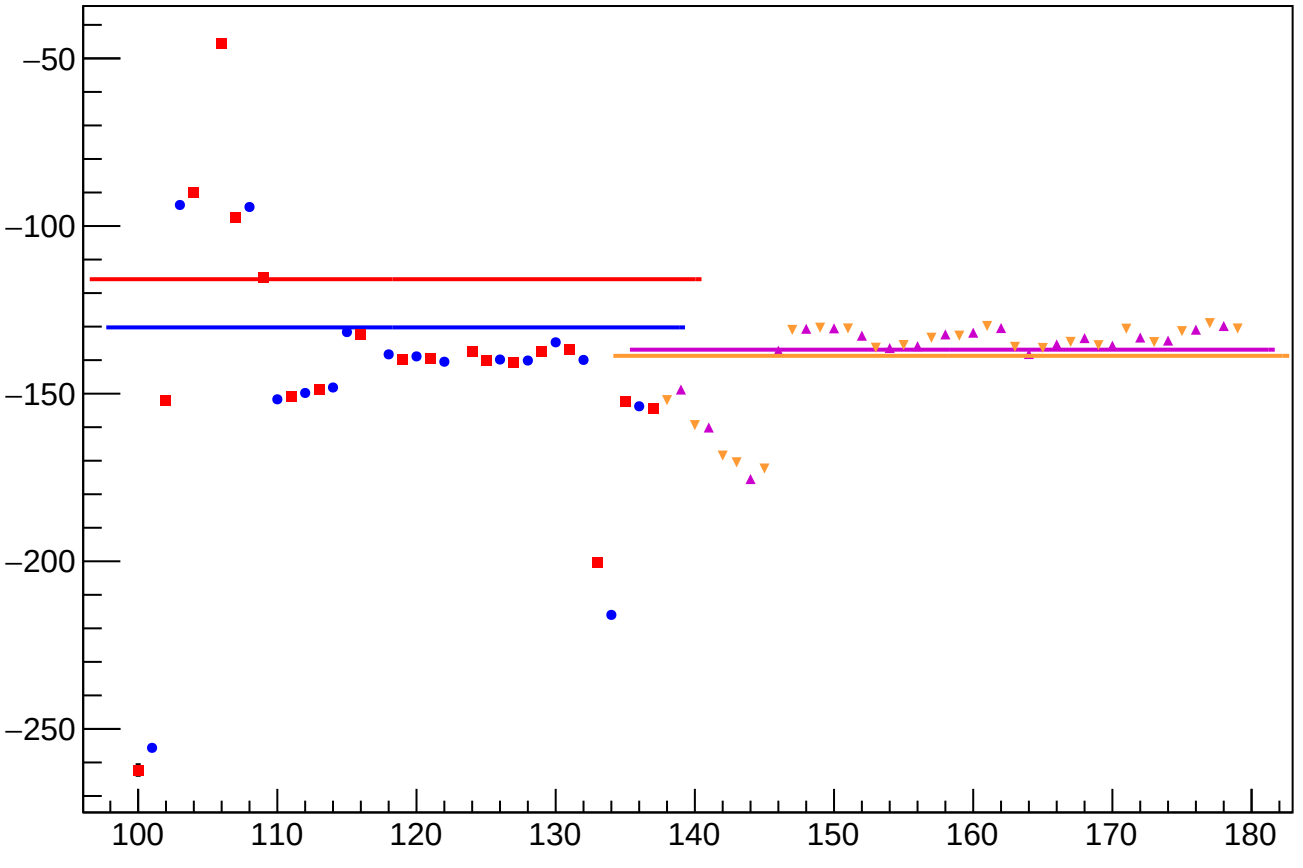
Left: 54.880+/-0.696 χ^2/NDF: 1090.6/41

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 54.526+/-0.862 χ^2/NDF:674.4/35

Out: 52.665+/-0.827 χ^2/NDF:978.9/40

All: 53.557+/-0.597 χ^2/NDF: 1655.8/76



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.718+/-0.045 χ^2/NDF:80552.4/21

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -136.879+/-0.046 χ^2/NDF:48711.1/19

Left: -137.805+/-0.032 χ^2/NDF: 130074.1/41

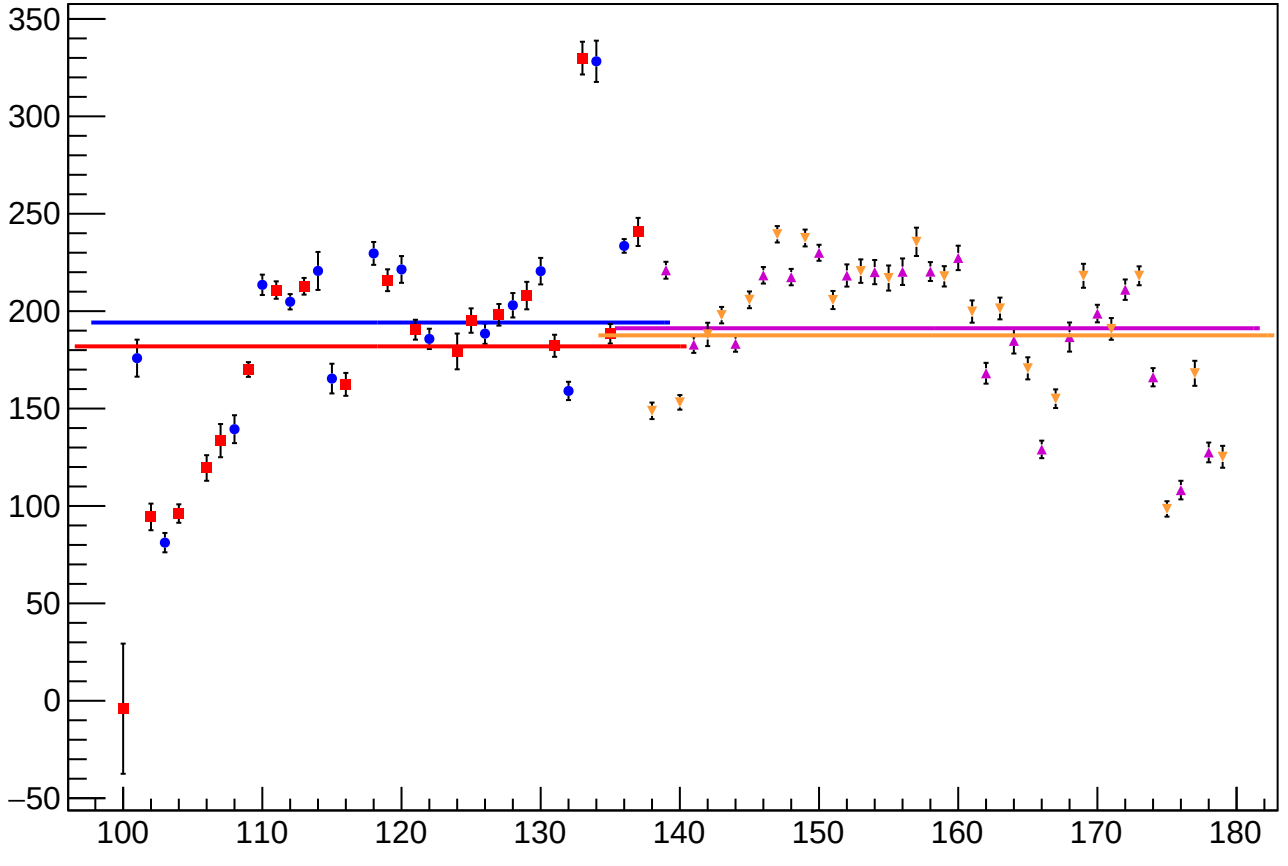
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -135.538+/-0.041 χ^2/NDF:227165.2/35

Out: -133.695+/-0.040 χ^2/NDF:341907.2/40

All: -134.600+/-0.029 χ^2/NDF: 570104.7/76

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 187.582+/-1.062 χ^2/NDF:1389.7/21

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 191.229+/-1.101 χ^2/NDF:1072.5/19

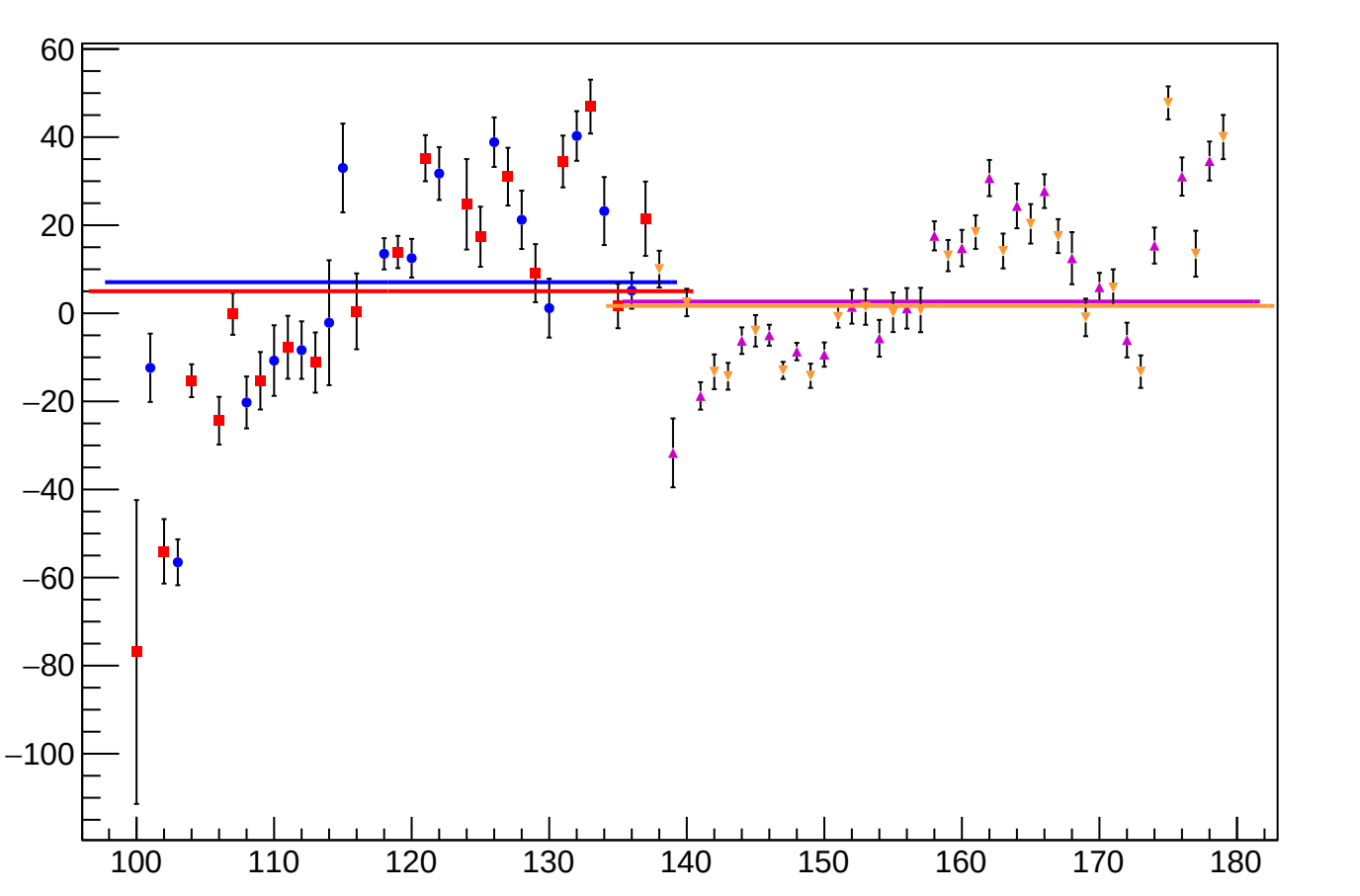
Left: 189.341+/-0.764 χ^2/NDF: 2467.9/41

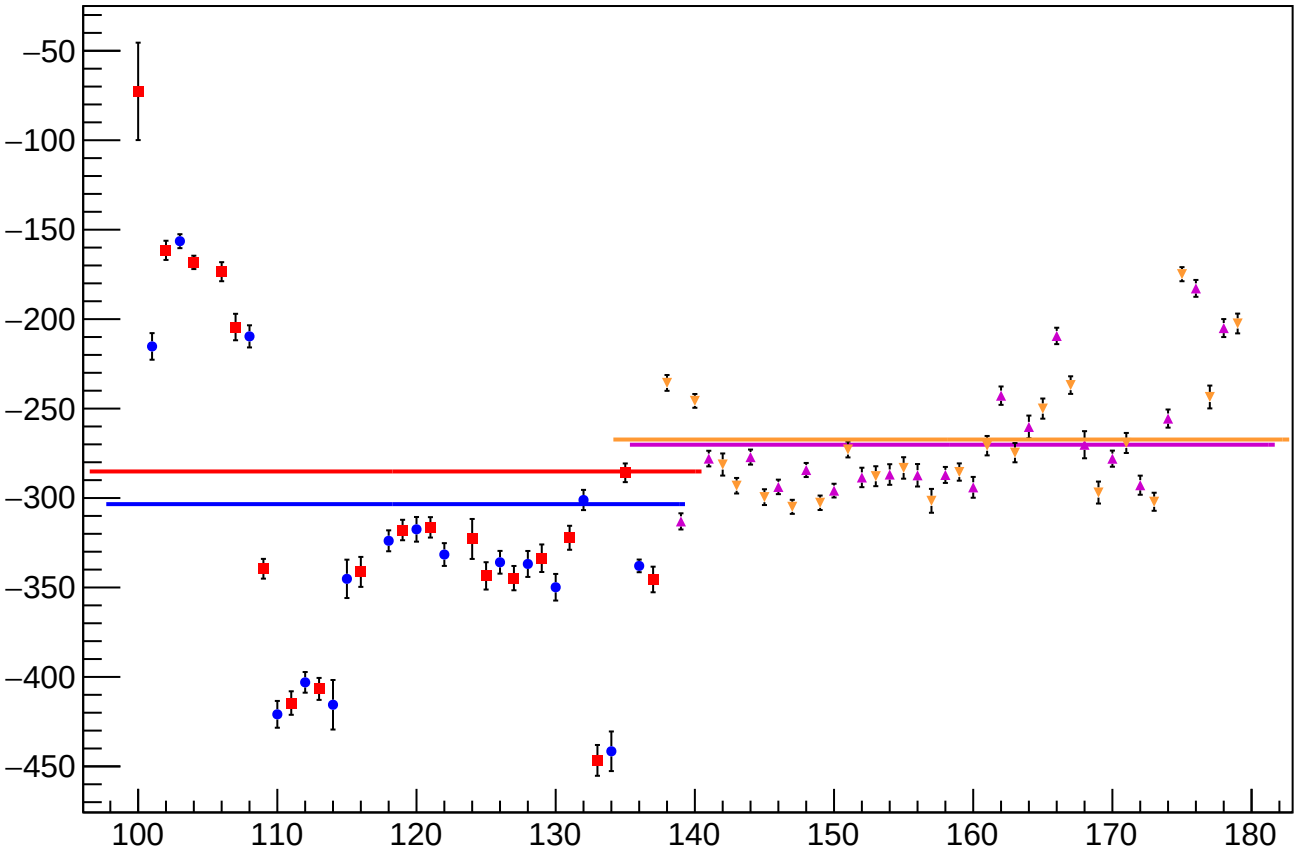
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 192.344+/-0.867 χ^2/NDF:2110.4/35

Out: 185.363+/-0.828 χ^2/NDF:2605.7/40

All: 188.694+/-0.599 χ^2/NDF: 4750.0/76


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: 1.674+/-0.746 χ²/NDF:447.1/21
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: 2.664+/-0.783 χ²/NDF:391.3/19
Left: 2.146+/-0.540 χ²/NDF: 839.2/41
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: 3.665+/-0.688 χ²/NDF:691.1/35
Out: 2.452+/-0.654 χ²/NDF:740.3/40
All: 3.027+/-0.474 χ²/NDF: 1433.0/76



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -267.294+/-1.047 χ^2/NDF:1228.7/21

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -270.193+/-1.081 χ^2/NDF:992.9/19

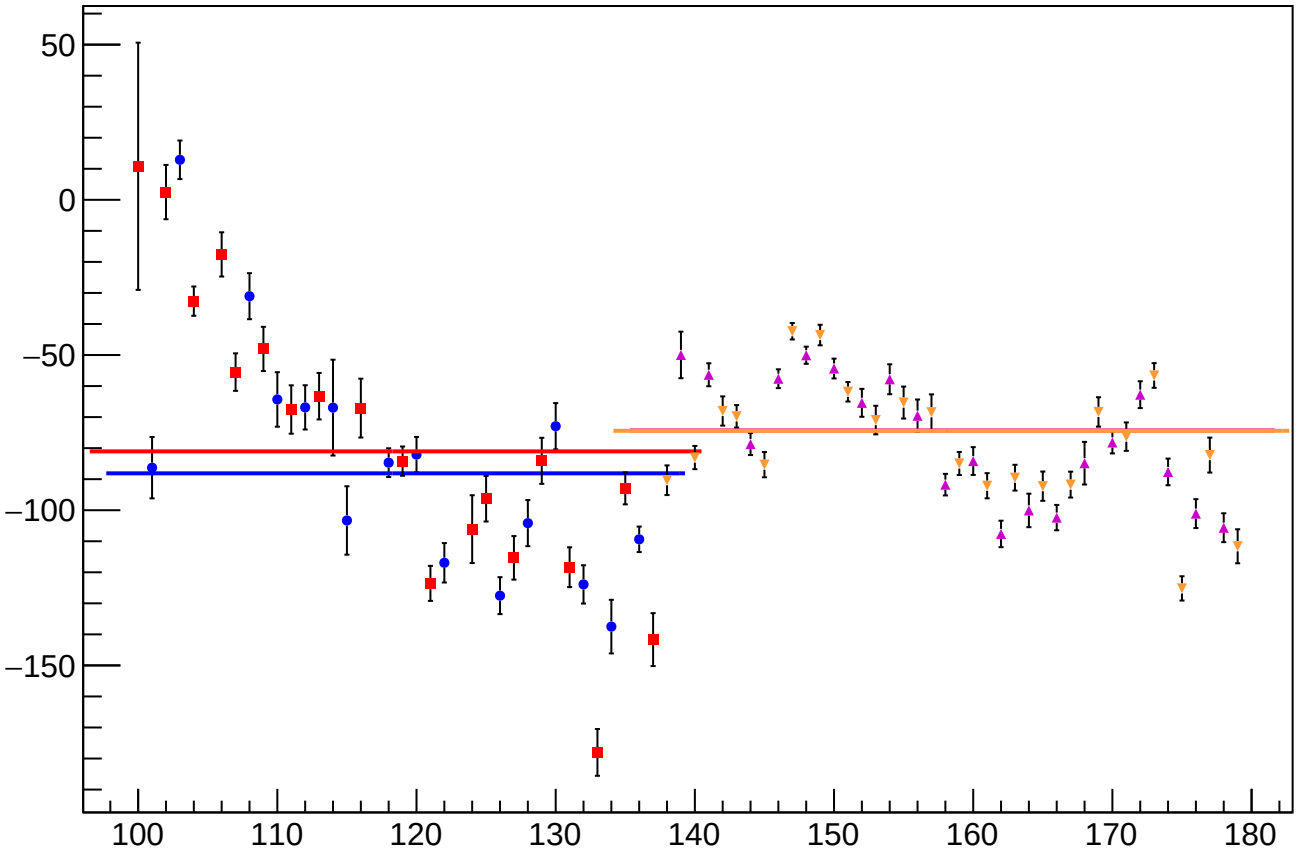
Left: -268.697+/-0.752 χ^2/NDF: 2225.3/41

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -281.258+/-0.883 χ^2/NDF:4092.6/35

Out: -273.408+/-0.849 χ^2/NDF:5083.1/40

All: -277.179+/-0.612 χ^2/NDF: 9216.8/76



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -74.411+/-0.868 χ^2/NDF:591.6/21

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -74.290+/-0.905 χ^2/NDF:458.7/19

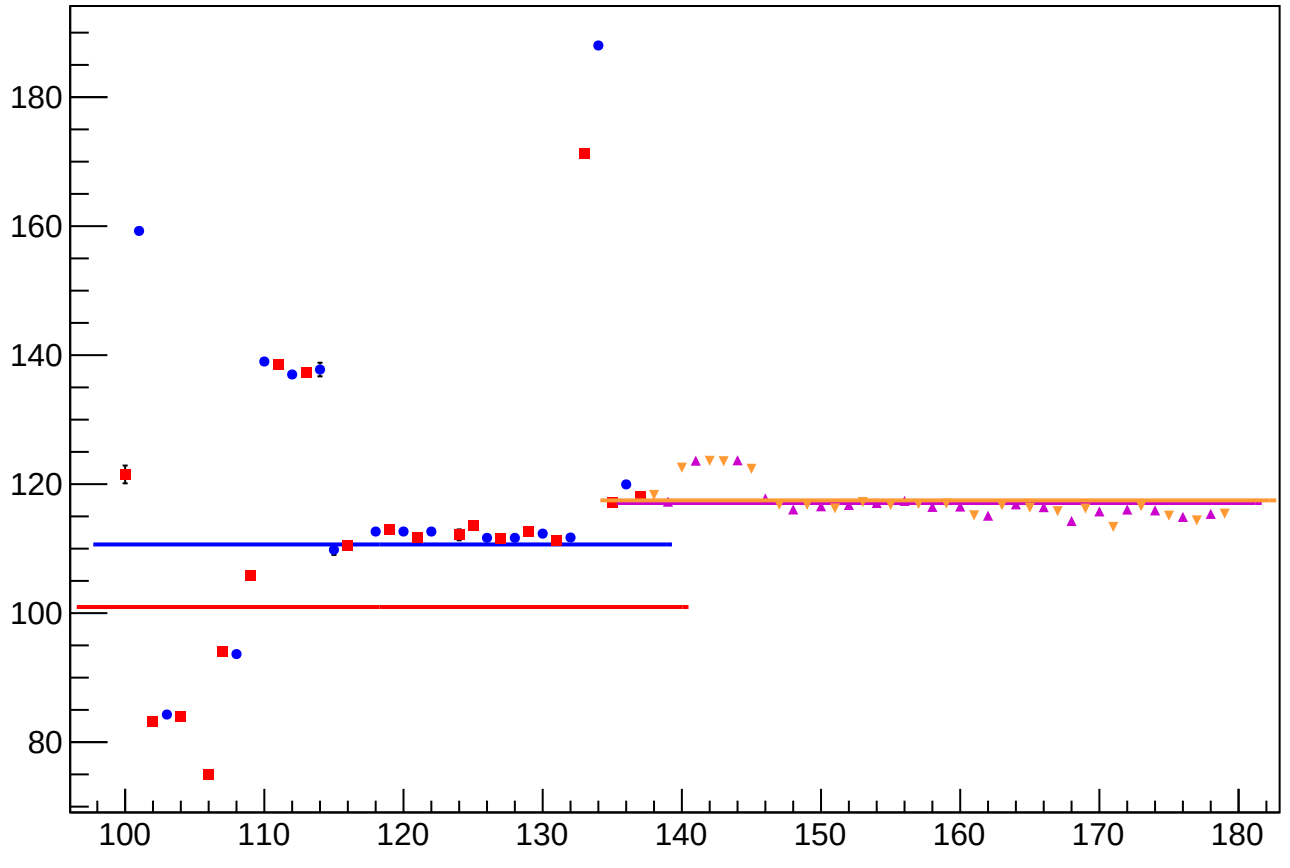
Left: -74.353+/-0.626 χ^2/NDF: 1050.3/41

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -77.471+/-0.794 χ^2/NDF:1024.4/35

Out: -75.967+/-0.760 χ^2/NDF:1282.8/40

All: -76.686+/-0.549 χ^2/NDF: 2309.1/76



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.485+/-0.041 χ^2/NDF:4727.9/21

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.079+/-0.041 χ^2/NDF:3230.4/19

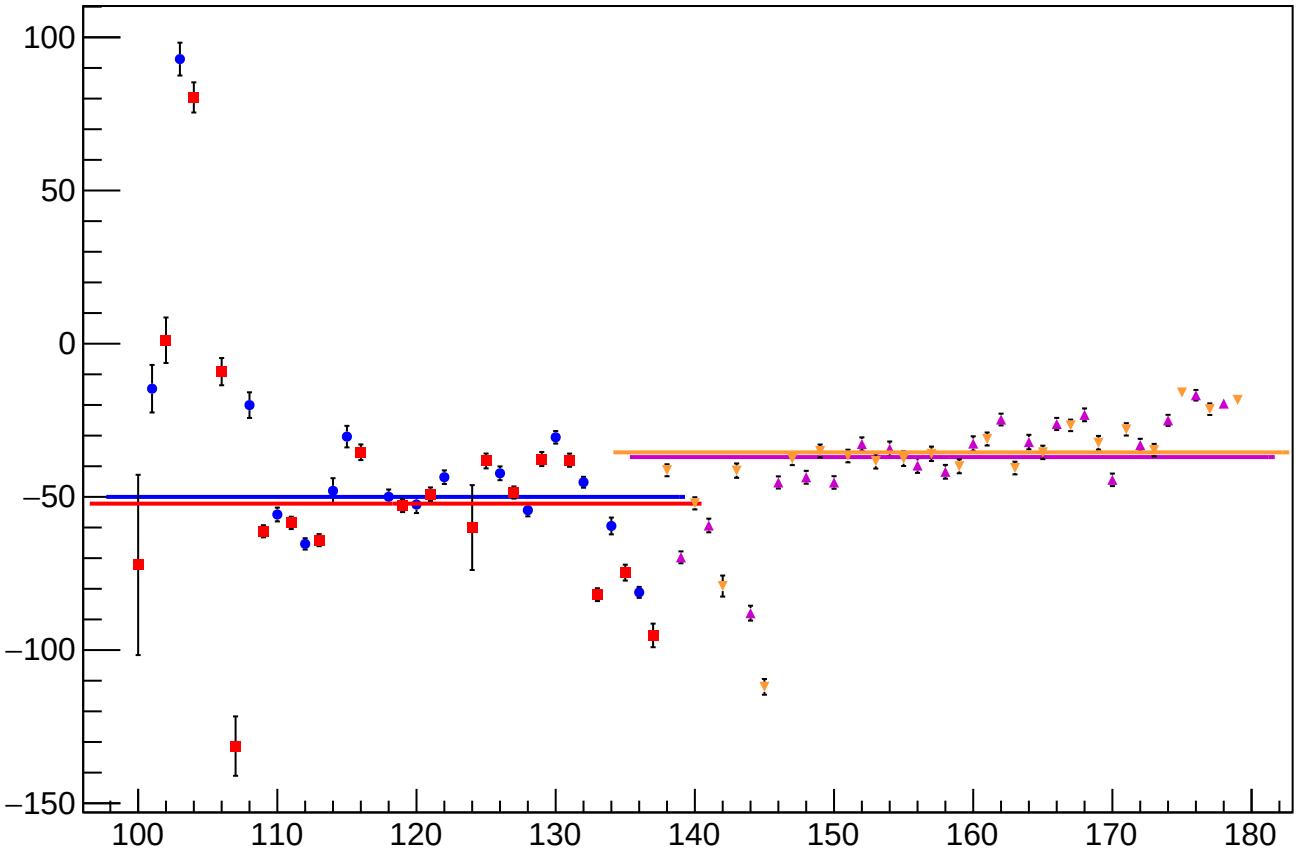
Left: 117.285+/-0.029 χ^2/NDF: 8007.5/41

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.875+/-0.037 χ^2/NDF:91311.6/35

Out: 114.160+/-0.036 χ^2/NDF:100050.8/40

All: 114.998+/-0.026 χ^2/NDF: 192451.6/76



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -35.469+/-0.443 χ^2/NDF:1533.6/21

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -37.008+/-0.460 χ^2/NDF:1315.2/19

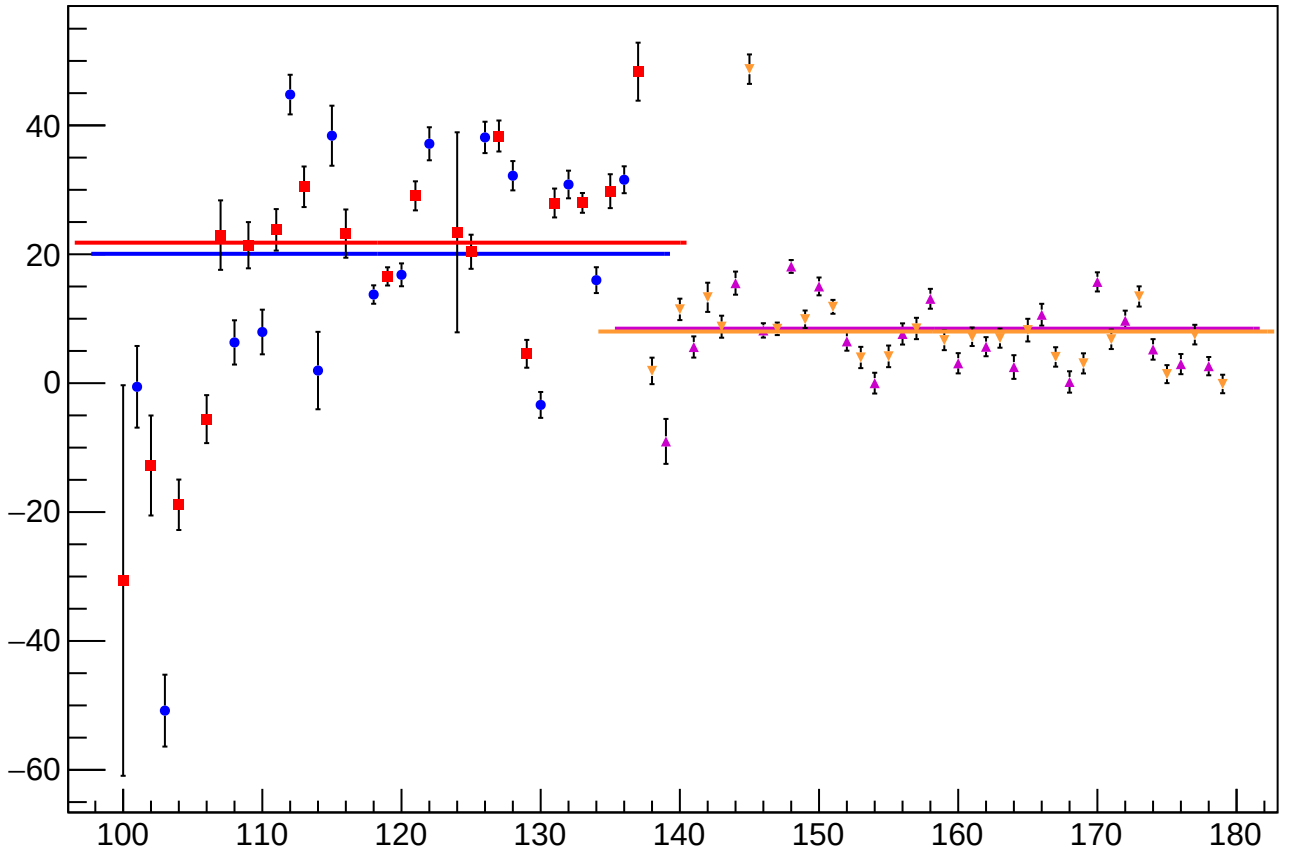
Left: -36.210+/-0.319 χ^2/NDF: 2854.5/41

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -41.721+/-0.367 χ^2/NDF:2932.1/35

Out: -41.319+/-0.358 χ^2/NDF:3601.8/40

All: -41.515+/-0.256 χ^2/NDF: 6534.5/76



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.015+/-0.321 χ^2/NDF:448.0/21

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.457+/-0.338 χ^2/NDF:308.5/19

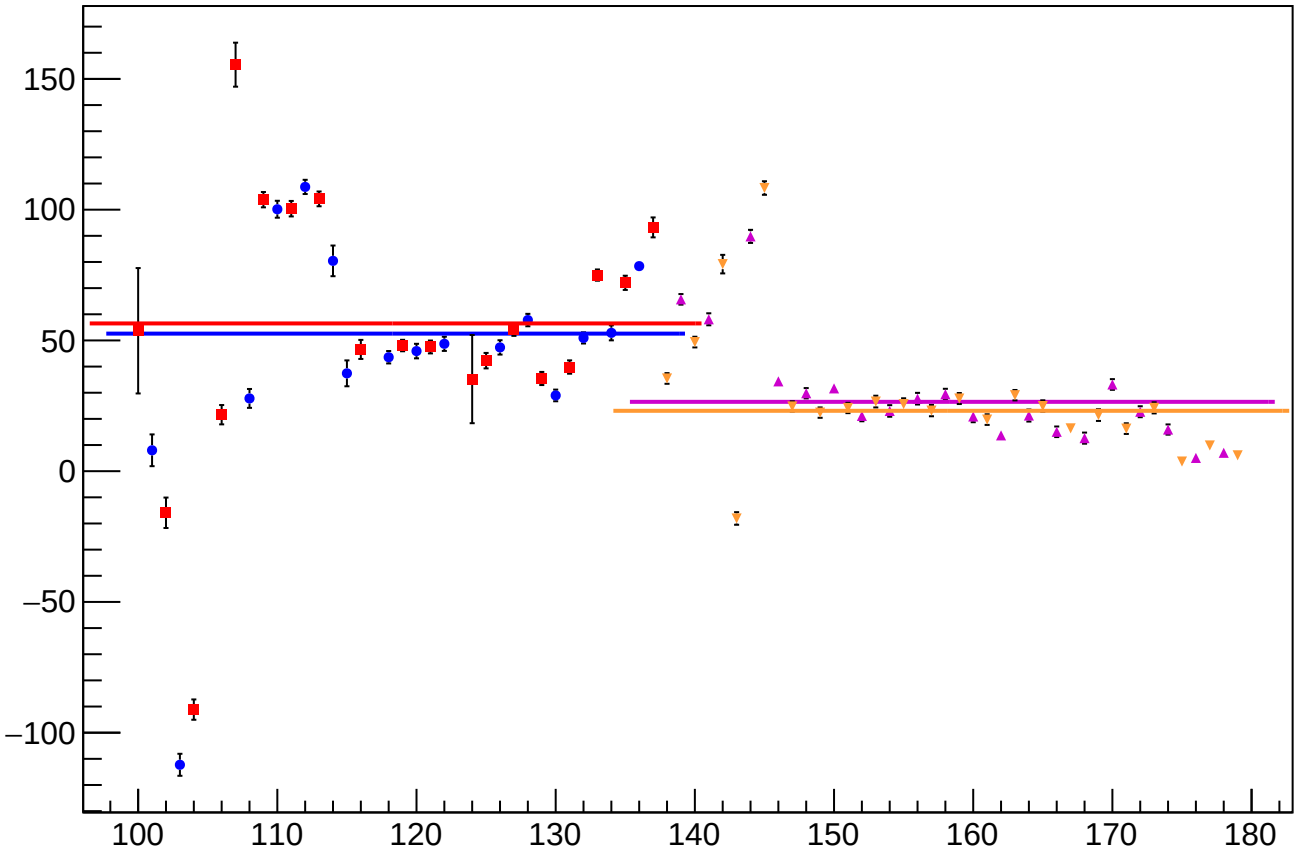
Left: 8.225+/-0.233 χ^2/NDF: 757.4/41

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 11.166+/-0.296 χ^2/NDF:1220.9/35

Out: 10.917+/-0.285 χ^2/NDF:1232.1/40

All: 11.037+/-0.205 χ^2/NDF: 2453.4/76



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 23.087+/-0.436 χ^2/NDF:2209.1/21

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 26.518+/-0.452 χ^2/NDF:1728.2/19

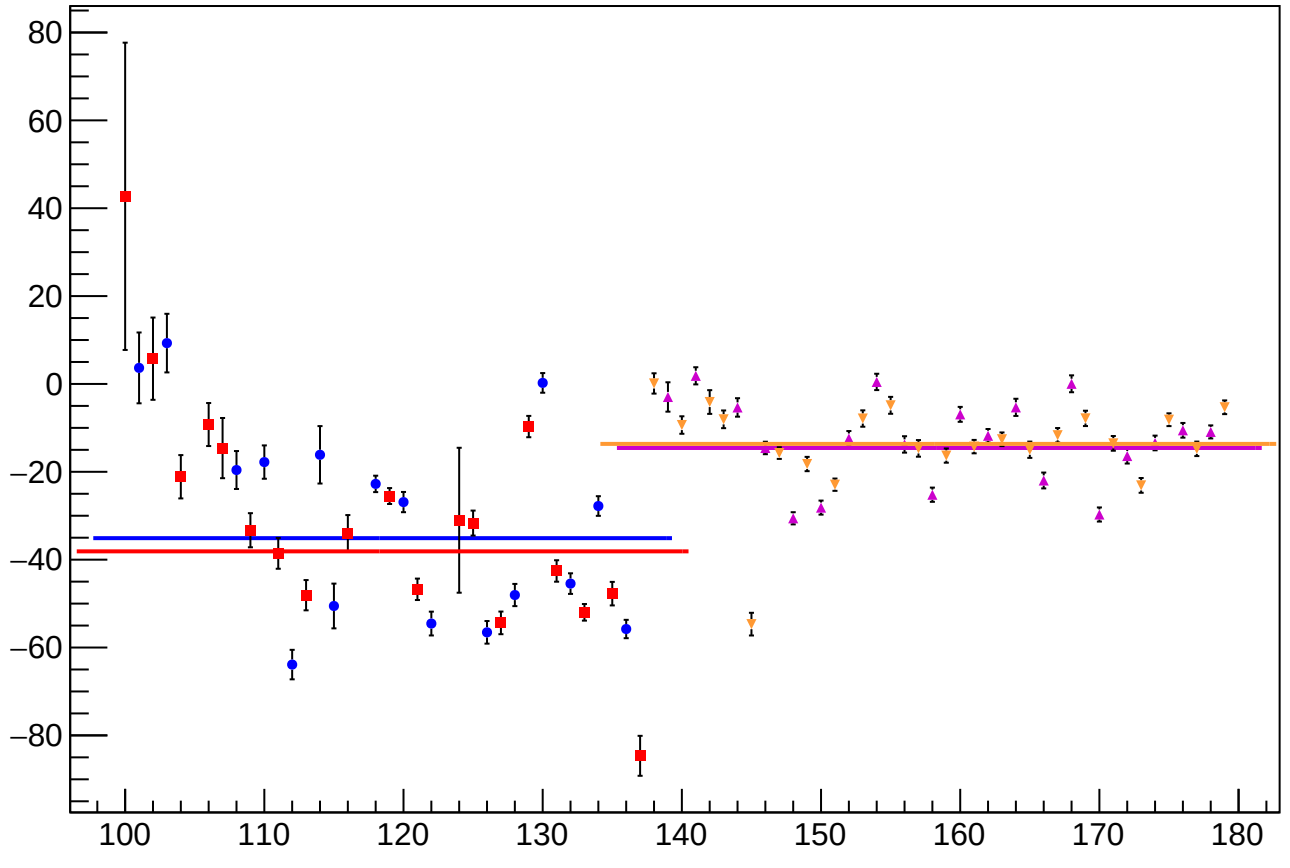
Left: 24.739+/-0.314 χ^2/NDF: 3967.2/41

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 34.251+/-0.379 χ^2/NDF:5375.0/35

Out: 32.310+/-0.371 χ^2/NDF:6798.7/40

All: 33.258+/-0.265 χ^2/NDF: 12187.1/76



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.646+/-0.367 χ^2/NDF:488.7/21

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.576+/-0.384 χ^2/NDF:640.6/19

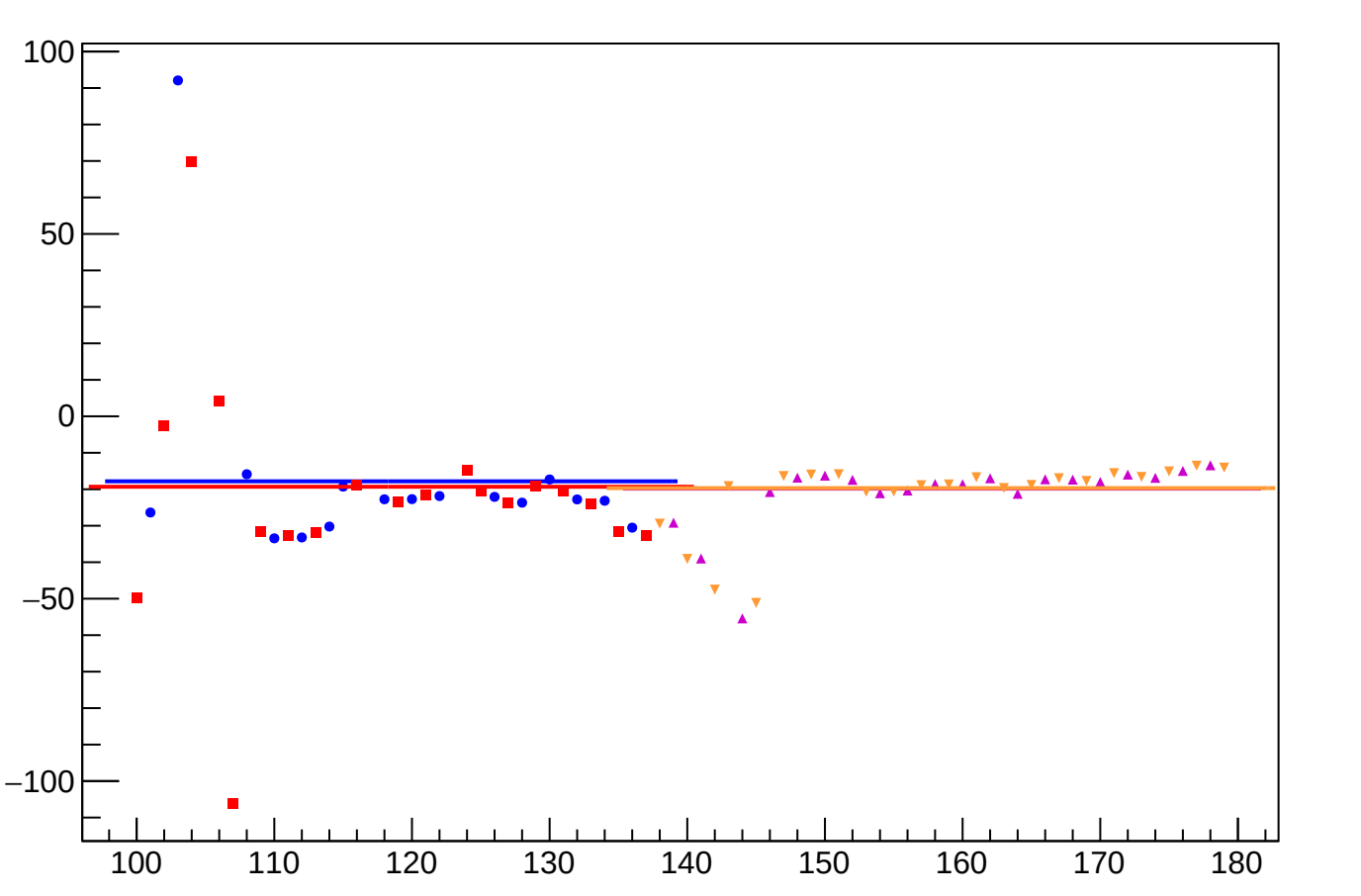
Left: -14.090+/-0.265 χ^2/NDF: 1132.3/41

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -19.320+/-0.337 χ^2/NDF:2074.8/35

Out: -18.753+/-0.326 χ^2/NDF:1932.5/40

All: -19.028+/-0.234 χ^2/NDF: 4008.8/76



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -19.687+/-0.017 χ^2/NDF:226821.4/21

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -19.830+/-0.017 χ^2/NDF:187008.4/19

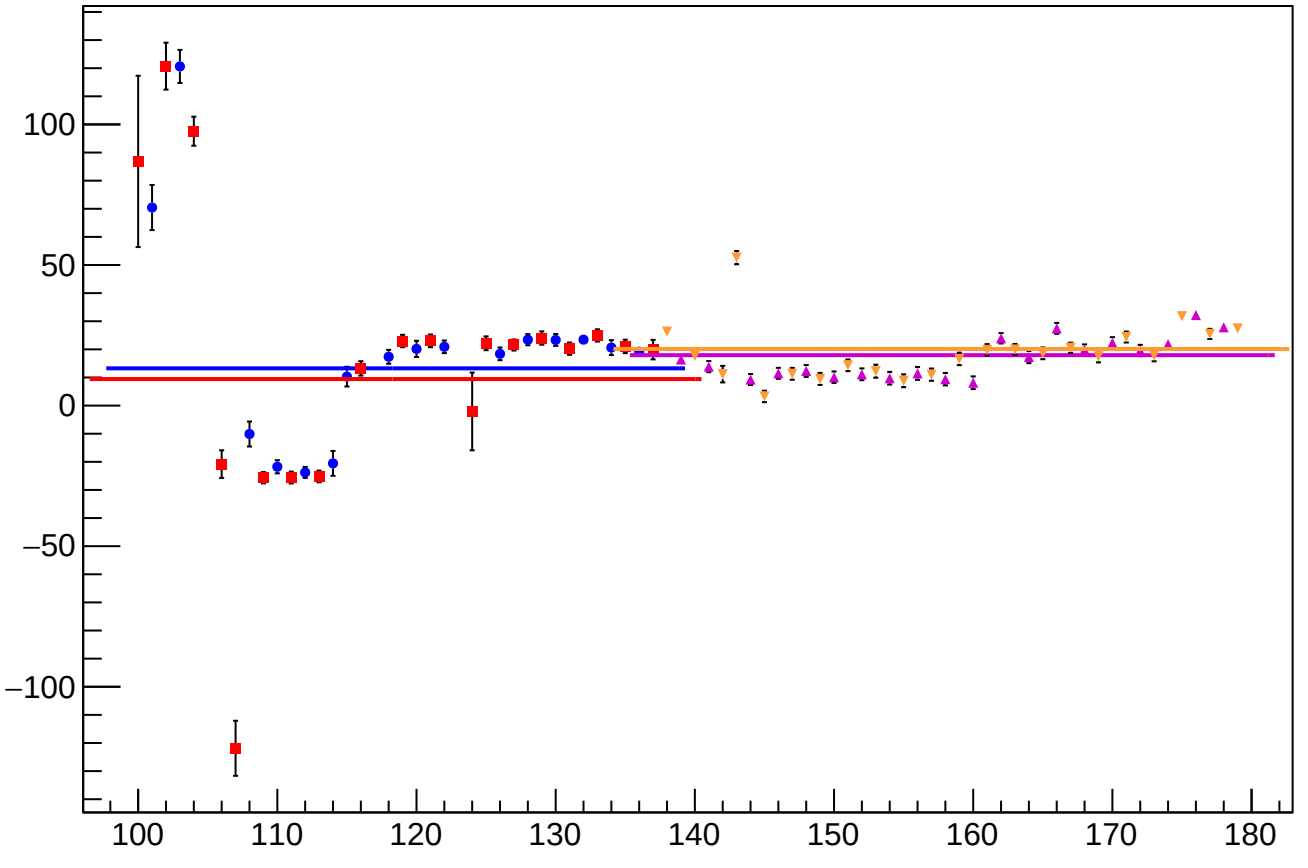
Left: -19.757+/-0.012 χ^2/NDF: 413866.1/41

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -19.561+/-0.016 χ^2/NDF:614991.4/35

Out: -19.644+/-0.016 χ^2/NDF:571507.1/40

All: -19.603+/-0.011 χ^2/NDF: 1186512.4/76



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 20.134+/-0.422 χ^2/NDF:493.3/21

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 17.939+/-0.437 χ^2/NDF:282.4/19

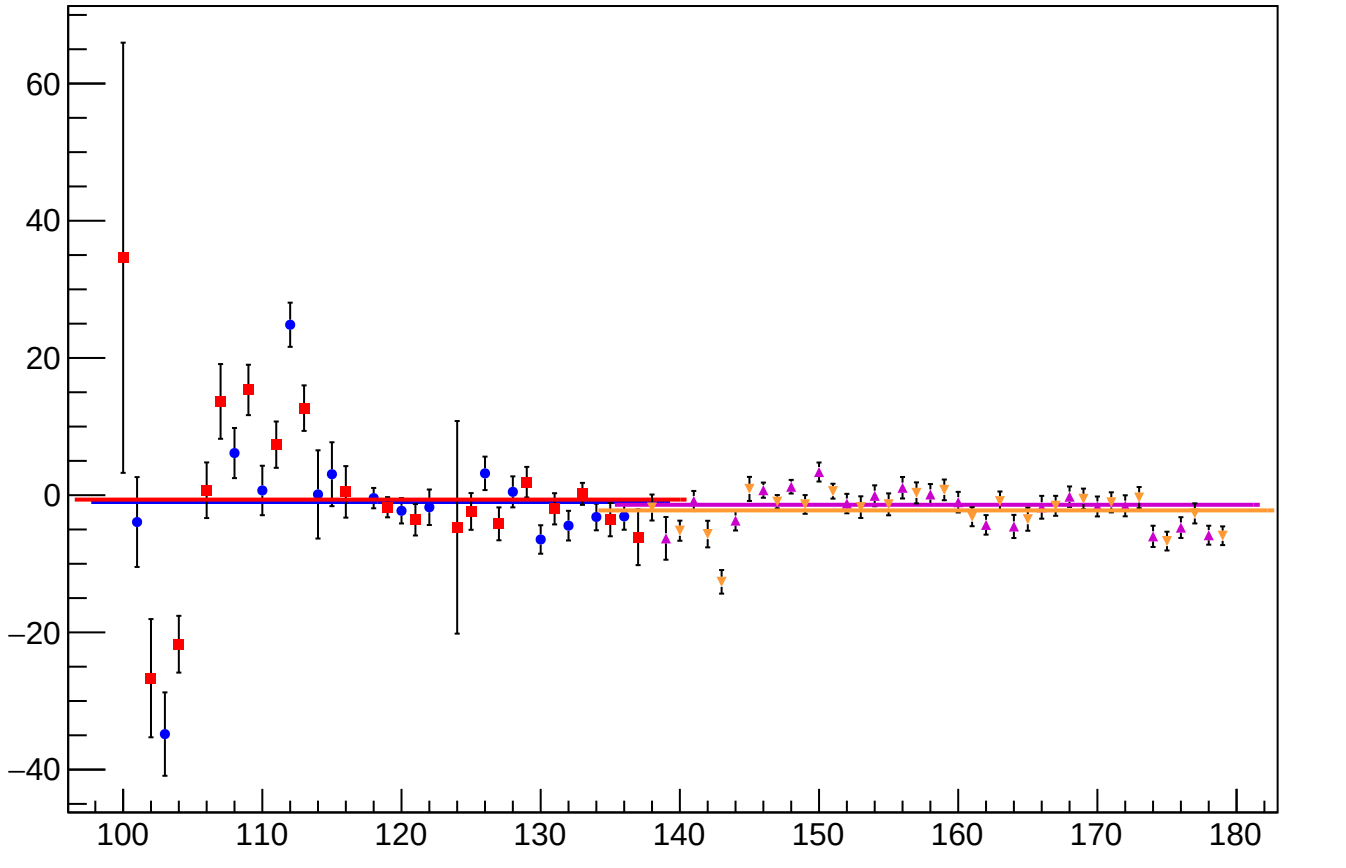
Left: 19.075+/-0.304 χ^2/NDF: 788.8/41

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 16.364+/-0.356 χ^2/NDF:1503.5/35

Out: 16.713+/-0.348 χ^2/NDF:2535.1/40

All: 16.542+/-0.249 χ^2/NDF: 4039.1/76



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.220+/-0.309 χ^2/NDF:86.7/21

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.400+/-0.324 χ^2/NDF:64.5/19

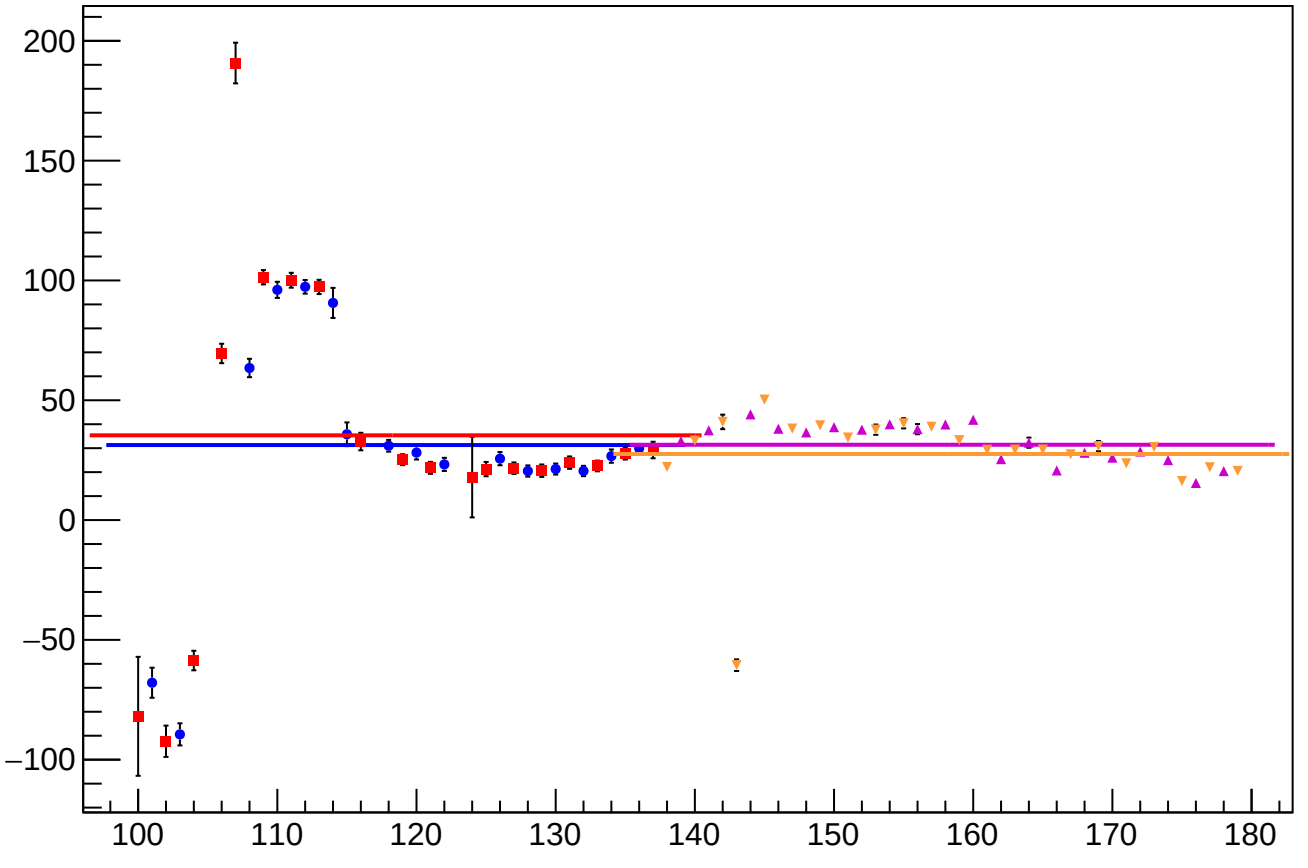
Left: -1.830+/-0.223 χ^2/NDF: 154.5/41

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.313+/-0.287 χ^2/NDF:181.2/35

Out: -1.920+/-0.278 χ^2/NDF:185.9/40

All: -1.626+/-0.199 χ^2/NDF: 369.4/76



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.582+/-0.415 χ^2/NDF:1755.9/21

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 31.432+/-0.430 χ^2/NDF:370.0/19

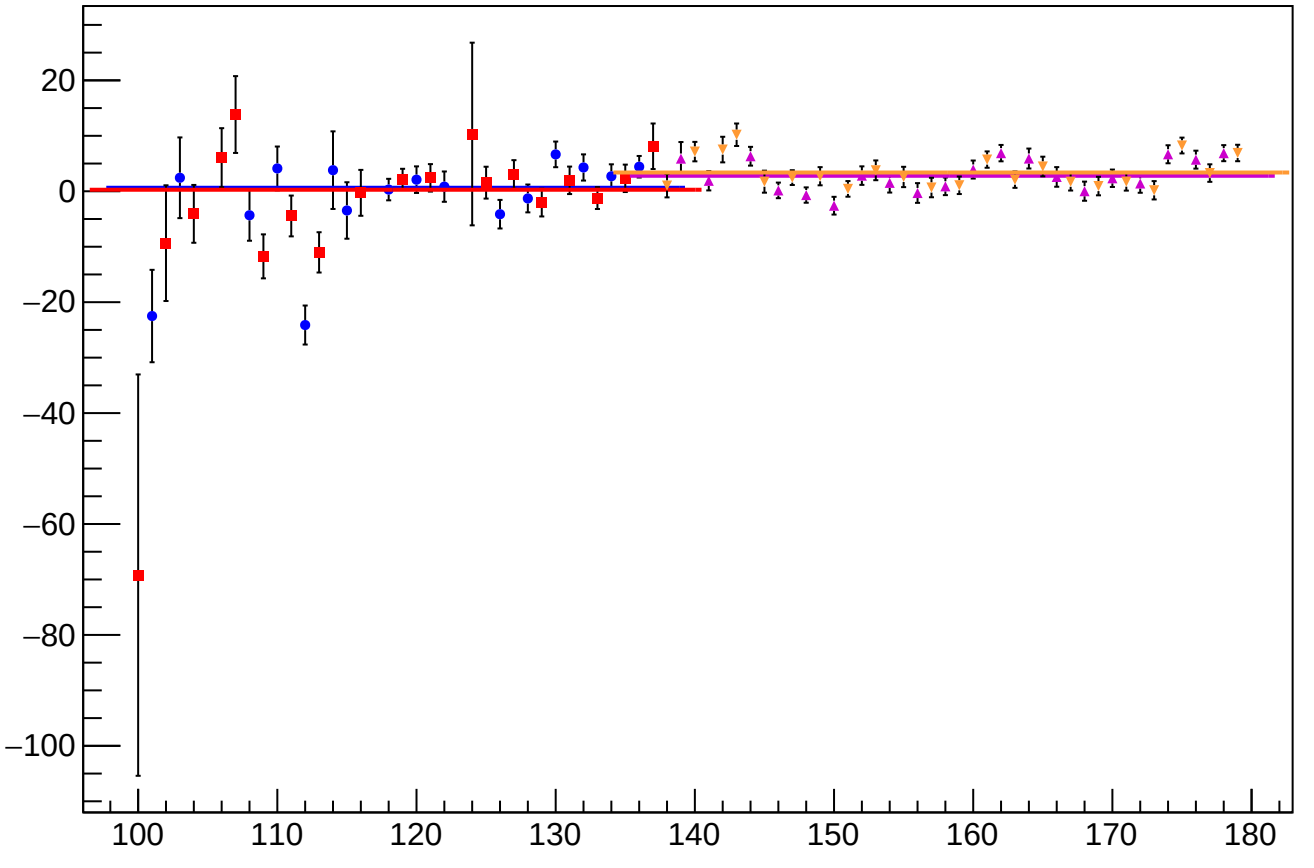
Left: 29.439+/-0.299 χ^2/NDF: 2167.3/41

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 31.398+/-0.367 χ^2/NDF:2455.9/35

Out: 29.537+/-0.359 χ^2/NDF:4741.8/40

All: 30.449+/-0.257 χ^2/NDF: 7210.8/76



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.384+/-0.352 χ^2/NDF:59.8/21

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.794+/-0.367 χ^2/NDF:63.3/19

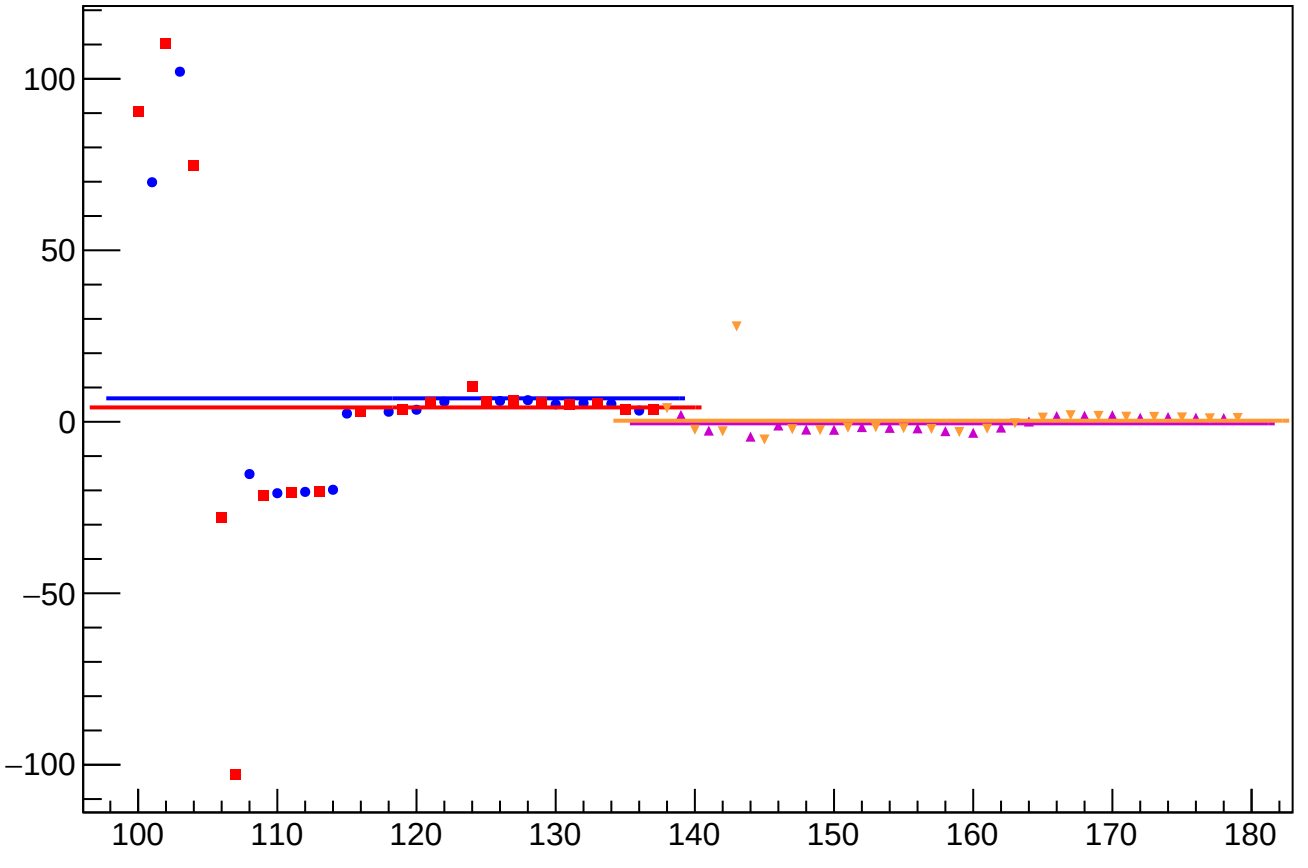
Left: 3.102+/-0.254 χ^2/NDF: 124.4/41

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.332+/-0.326 χ^2/NDF:149.1/35

Out: 2.793+/-0.316 χ^2/NDF:115.1/40

All: 2.569+/-0.227 χ^2/NDF: 265.2/76



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.318+/-0.016 χ^2/NDF:94126.4/21

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.453+/-0.016 χ^2/NDF:14433.7/19

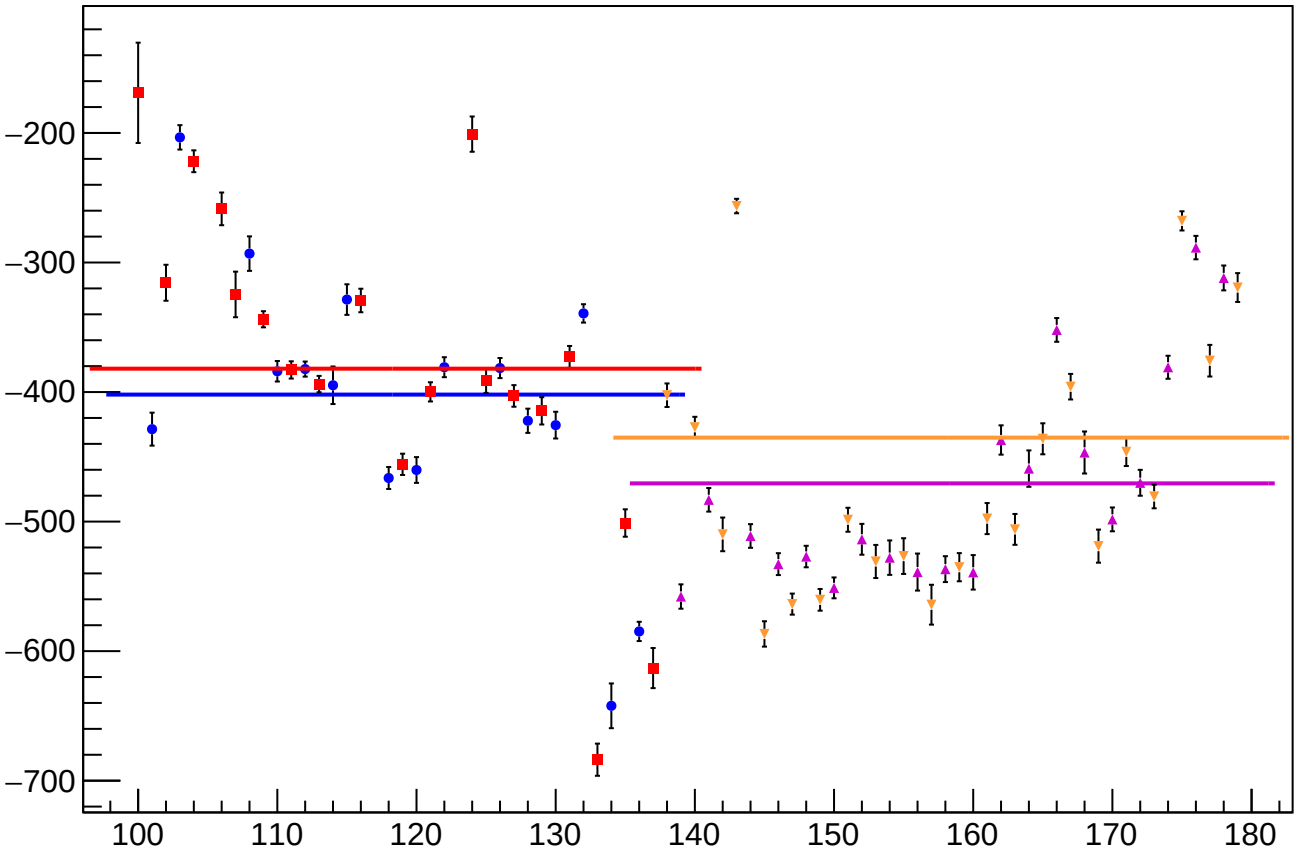
Left: -0.059+/-0.011 χ^2/NDF: 109722.0/41

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.455+/-0.015 χ^2/NDF:360739.3/35

Out: 0.722+/-0.015 χ^2/NDF:534939.2/40

All: 0.590+/-0.011 χ^2/NDF: 895836.6/76



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -435.183+/-2.078 χ^2/NDF:2875.3/21

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -470.496+/-2.243 χ^2/NDF:1402.2/19

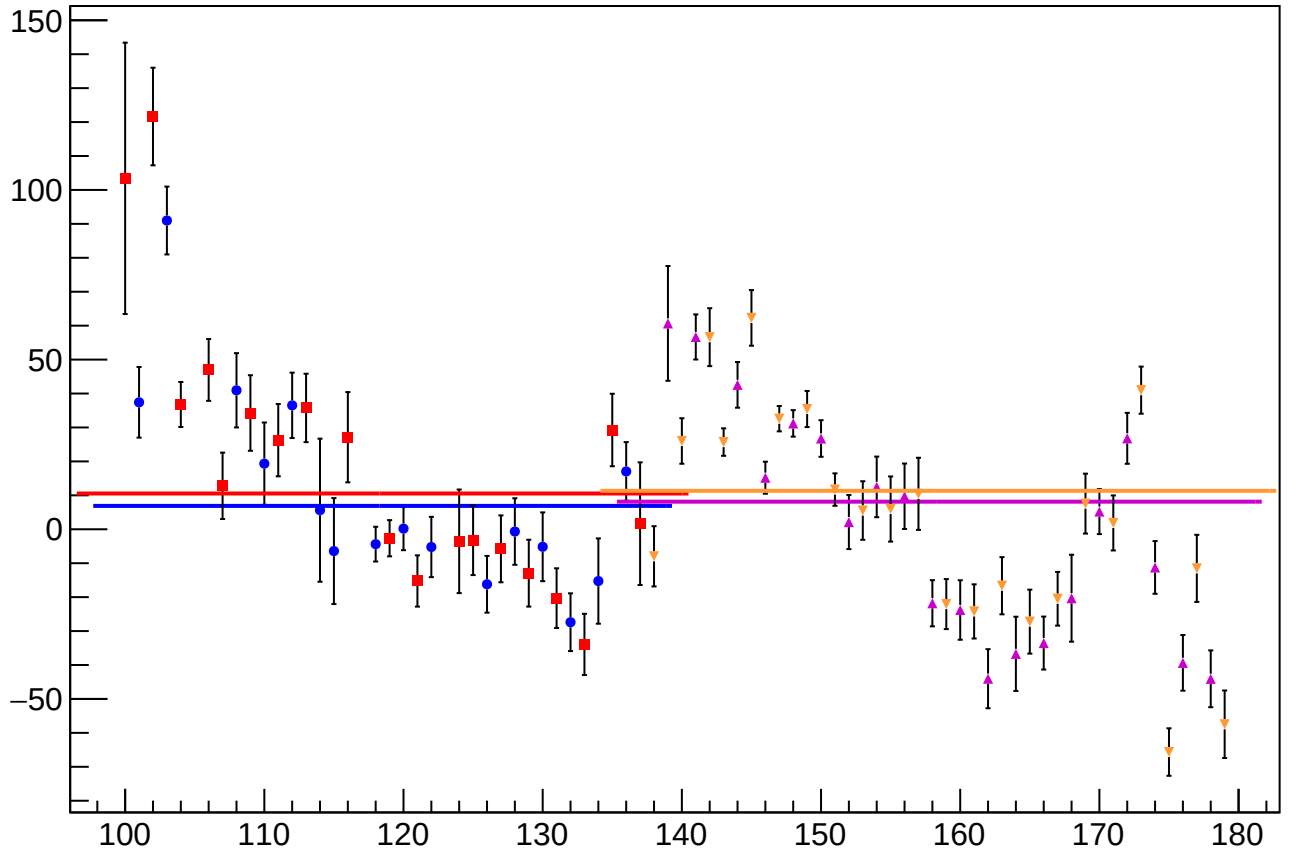
Left: -451.492+/-1.524 χ^2/NDF: 4410.9/41

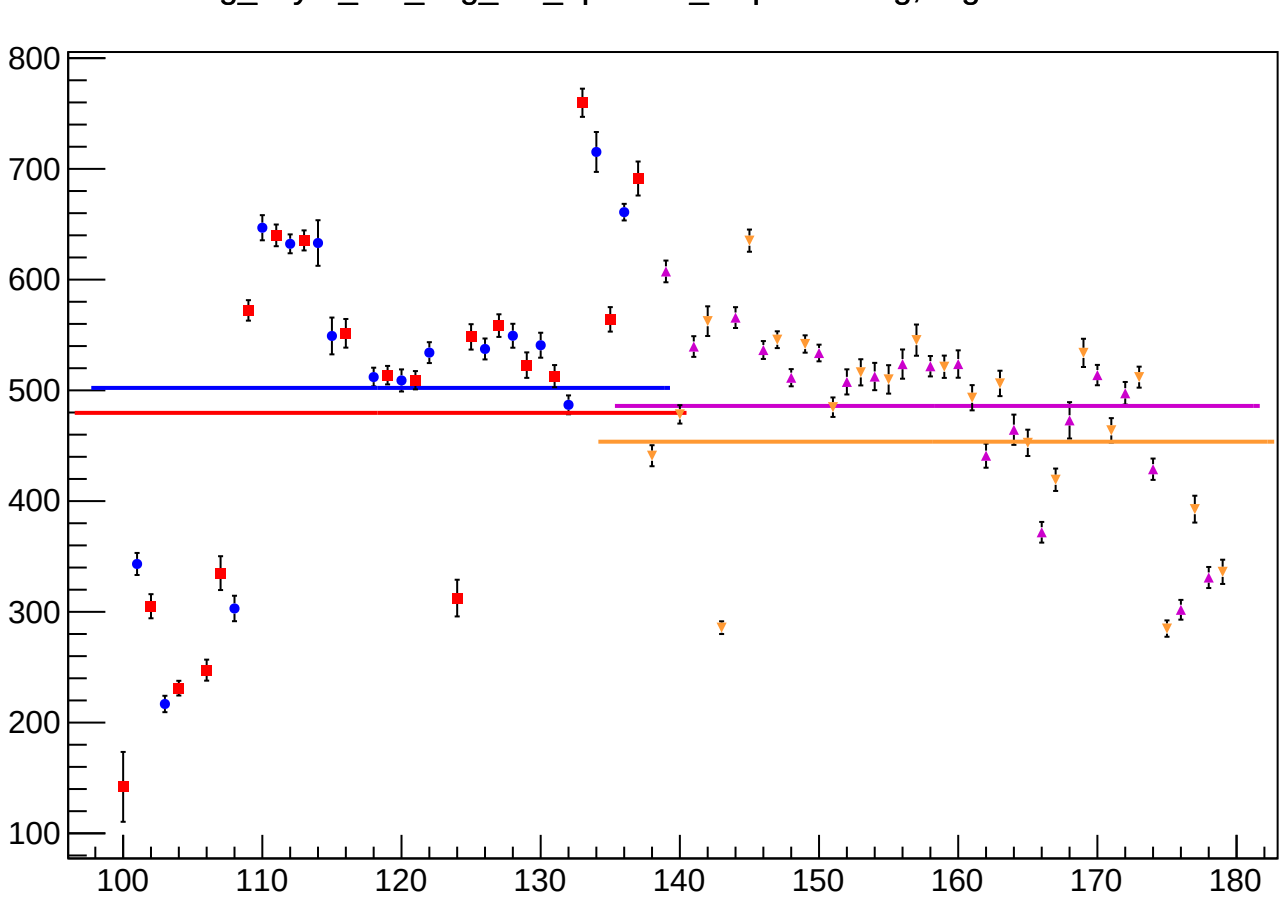
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -436.125+/-1.584 χ^2/NDF:3433.7/35

Out: -409.156+/-1.485 χ^2/NDF:5013.7/40

All: -421.779+/-1.083 χ^2/NDF: 8601.7/76


reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 6.889+/-2.264 χ²/NDF: 138.4/15
Left Out: 11.336+/-1.453 χ²/NDF:420.8/21
Right Out: 10.544+/-2.197 χ²/NDF: 180.0/18
Left In: 8.133+/-1.587 χ²/NDF:342.9/19
Left: 9.875+/-1.072 χ²/NDF: 765.9/41
Right: 8.772+/-1.577 χ²/NDF: 319.8/34
In: 7.723+/-1.300 χ²/NDF:481.6/35
Out: 11.095+/-1.212 χ²/NDF:600.9/40
All: 9.527+/-0.886 χ²/NDF: 1086.0/76



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 453.656+/-2.053 χ^2/NDF:2467.5/21

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 485.944+/-2.203 χ^2/NDF:1295.3/19

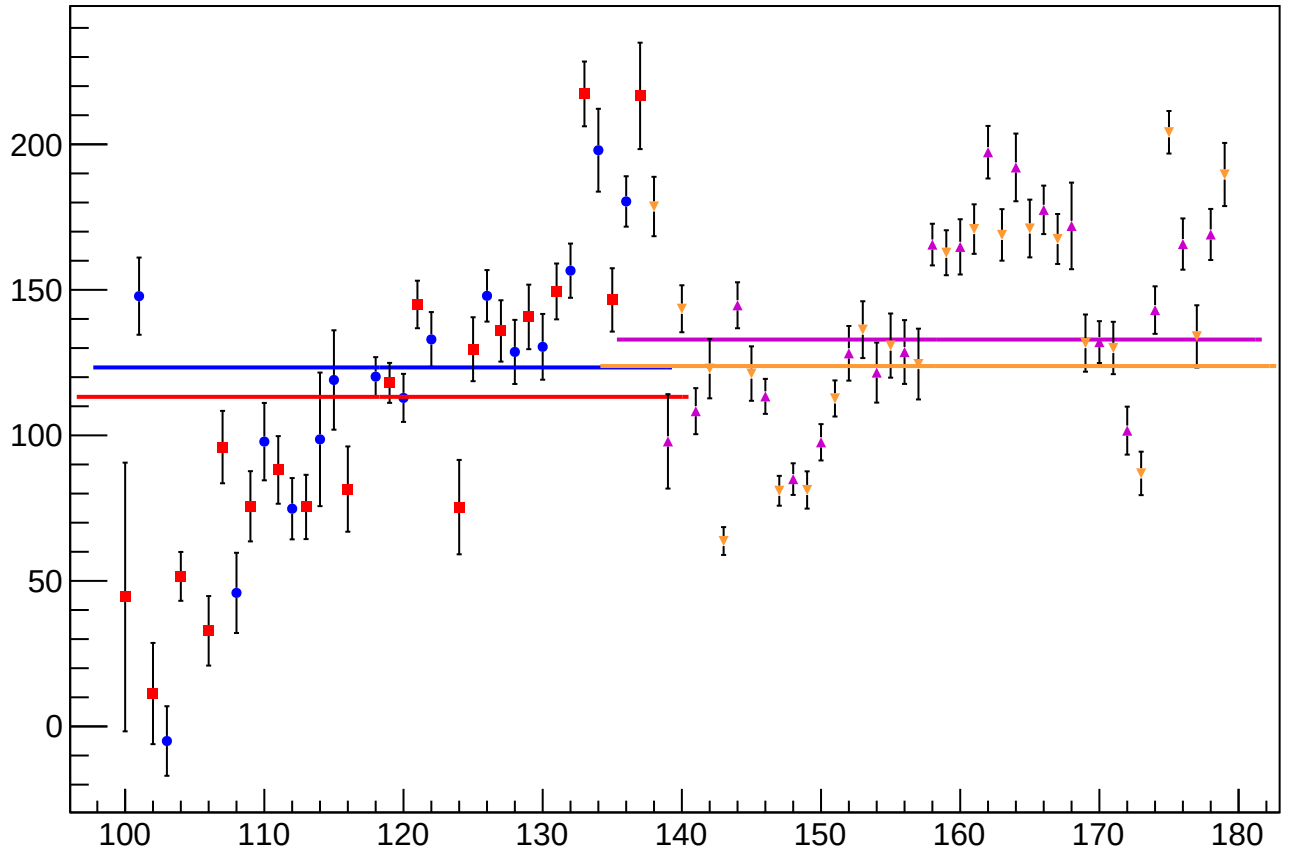
Left: 468.658+/-1.502 χ^2/NDF: 3877.8/41

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 493.079+/-1.651 χ^2/NDF:4454.4/35

Out: 464.652+/-1.560 χ^2/NDF:6673.9/40

All: 478.059+/-1.134 χ^2/NDF: 11285.0/76



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 123.818+/-1.697 χ^2/NDF:626.3/21

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 132.920+/-1.837 χ^2/NDF:329.6/19

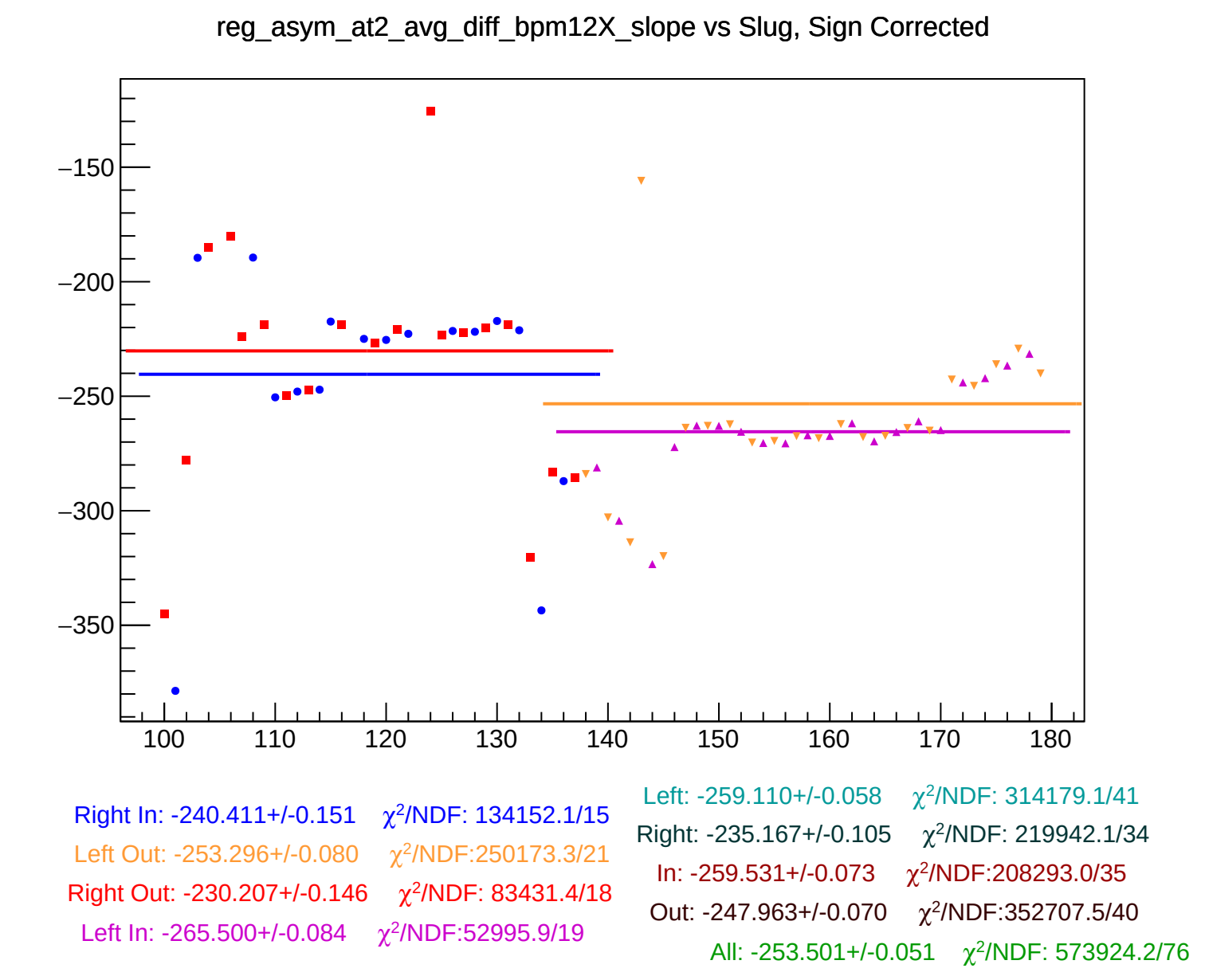
Left: 128.008+/-1.247 χ^2/NDF: 969.2/41

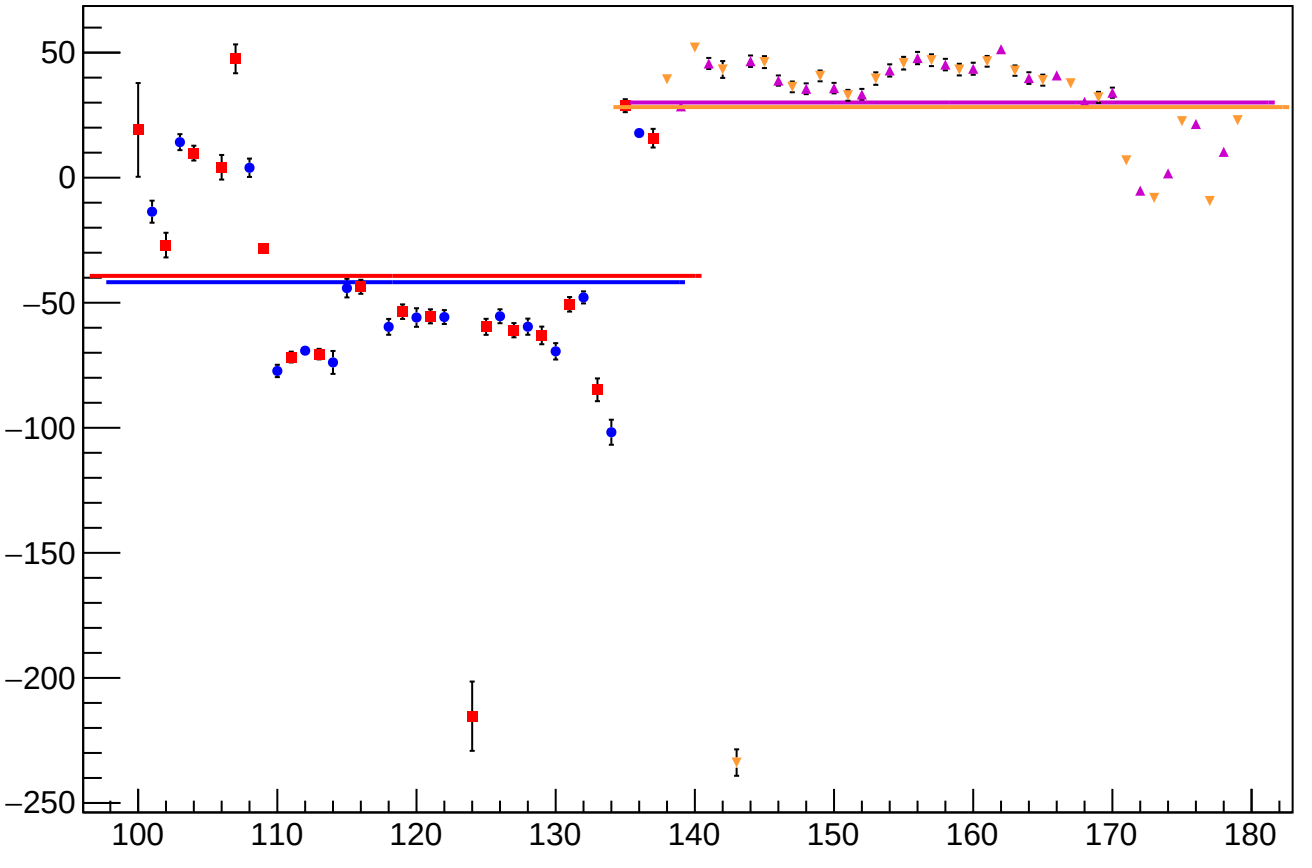
Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 129.775+/-1.506 χ^2/NDF:609.9/35

Out: 120.560+/-1.412 χ^2/NDF:984.1/40

All: 124.872+/-1.030 χ^2/NDF: 1613.9/76


reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
Right In: -240.411+/-0.151 χ²/NDF: 134152.1/15
Left Out: -253.296+/-0.080 χ²/NDF:250173.3/21
Right Out: -230.207+/-0.146 χ²/NDF: 83431.4/18
Left In: -265.500+/-0.084 χ²/NDF:52995.9/19
Left: -259.110+/-0.058 χ²/NDF: 314179.1/41
Right: -235.167+/-0.105 χ²/NDF: 219942.1/34
In: -259.531+/-0.073 χ²/NDF:208293.0/35
Out: -247.963+/-0.070 χ²/NDF:352707.5/40
All: -253.501+/-0.051 χ²/NDF: 573924.2/76



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.213+/-0.440 χ^2/NDF:4085.7/21

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 30.061+/-0.450 χ^2/NDF:1321.6/19

Left: 29.115+/-0.314 χ^2/NDF: 5415.9/41

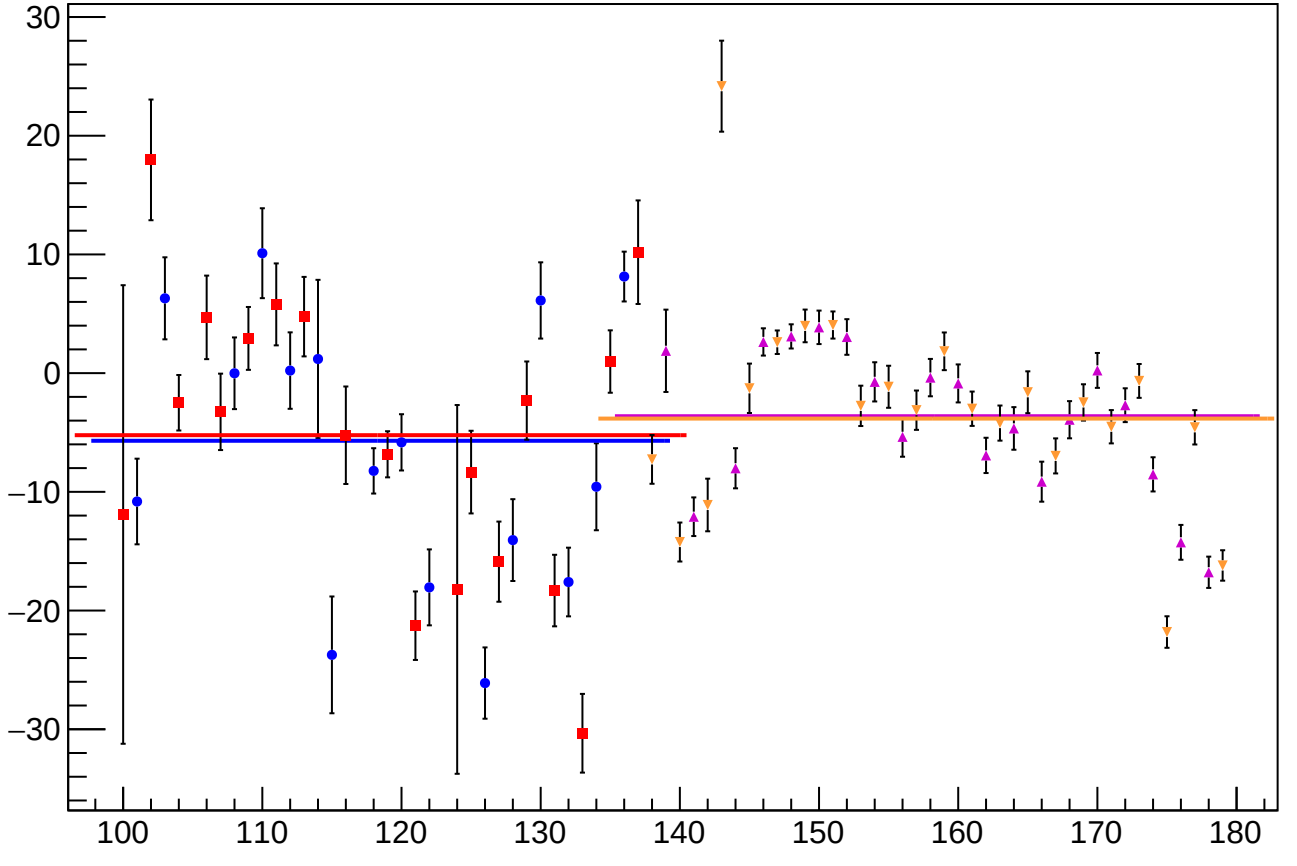
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 10.006+/-0.382 χ^2/NDF:10843.5/35

Out: 8.311+/-0.369 χ^2/NDF:13513.7/40

All: 9.129+/-0.265 χ^2/NDF: 24367.3/76

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -3.829+/-0.322 χ^2/NDF:535.3/21

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -3.629+/-0.333 χ^2/NDF:355.7/19

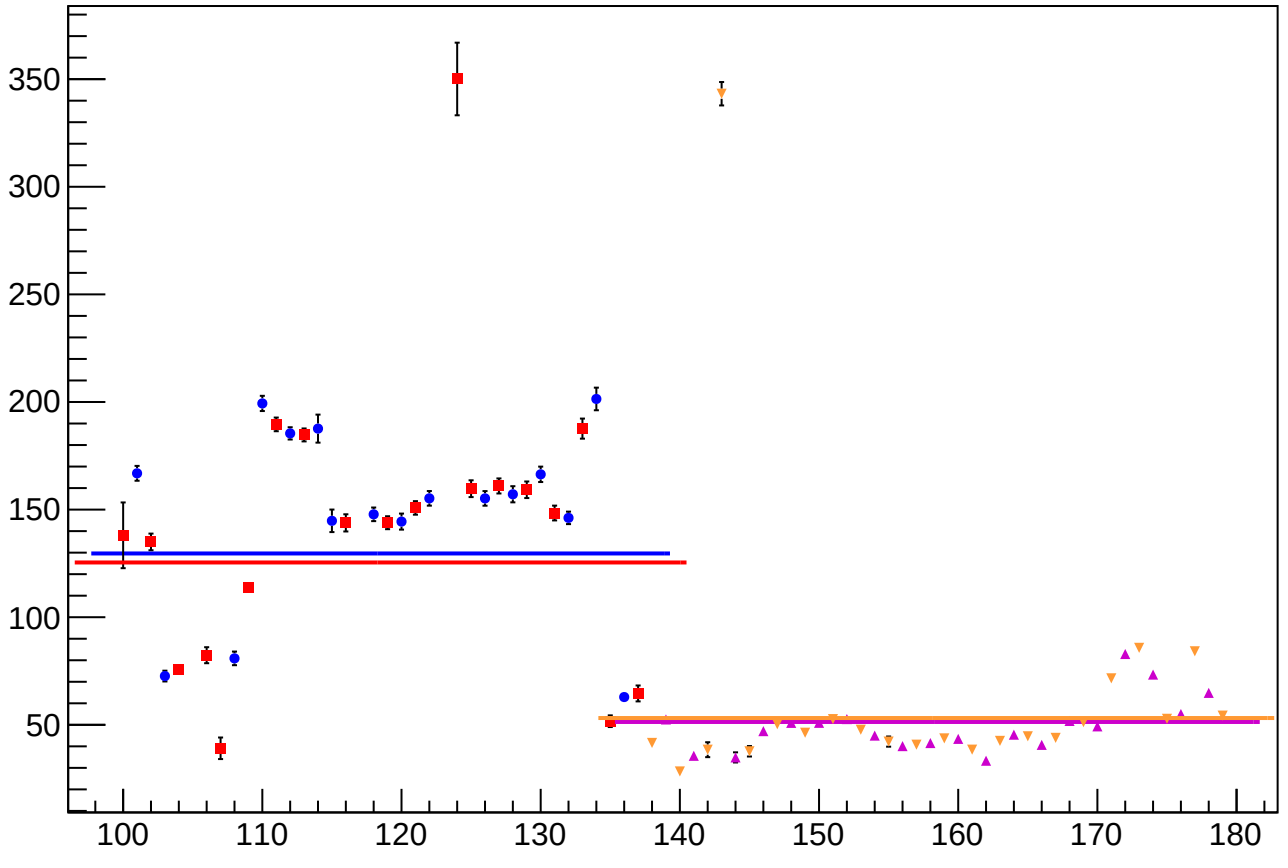
Left: -3.732+/-0.232 χ^2/NDF: 891.2/41

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -3.968+/-0.305 χ^2/NDF:558.7/35

Out: -4.051+/-0.295 χ^2/NDF:735.7/40

All: -4.011+/-0.212 χ^2/NDF: 1294.4/76



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.156+/-0.432 χ^2/NDF:3979.4/21

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 51.327+/-0.443 χ^2/NDF:814.4/19

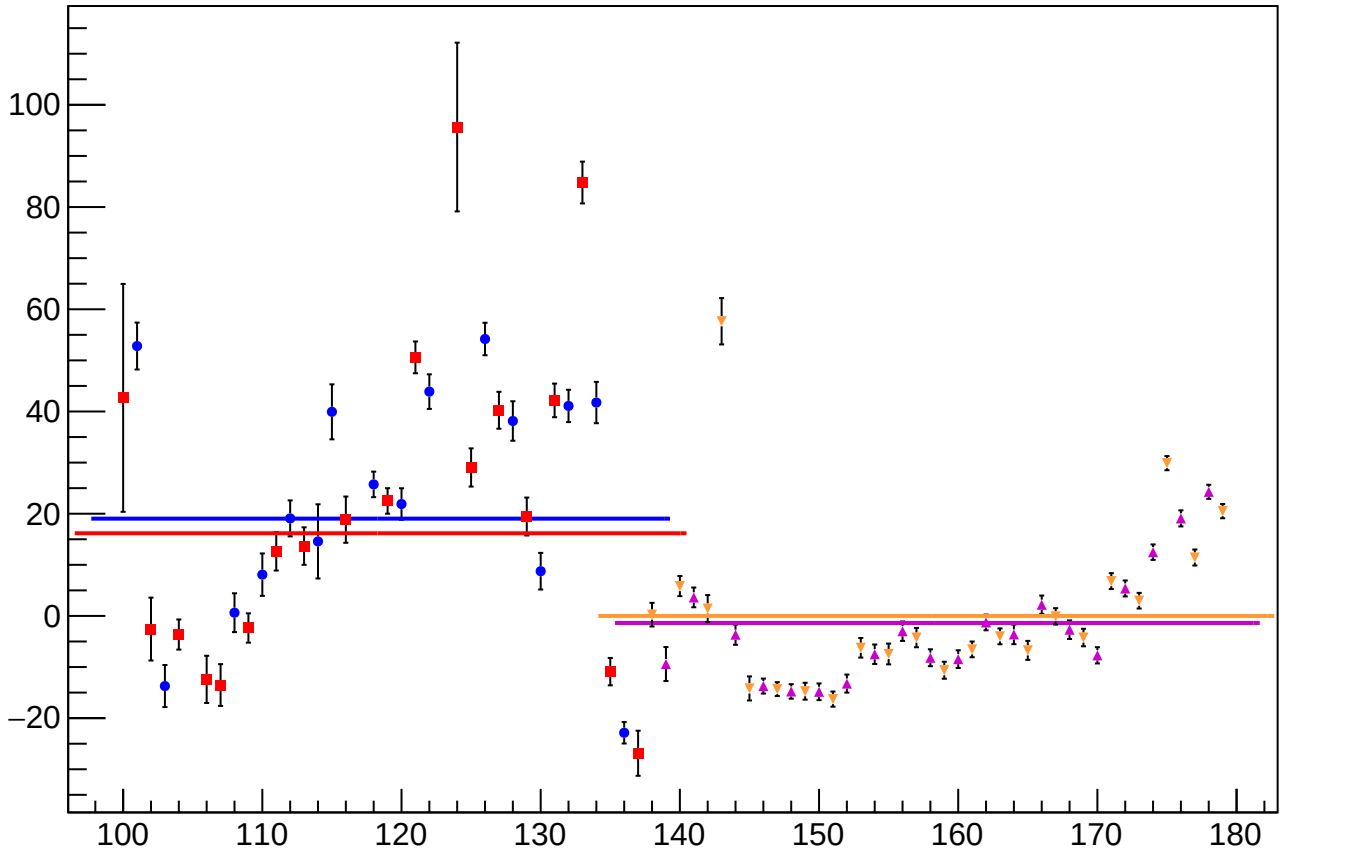
Left: 52.265+/-0.310 χ^2/NDF: 4802.5/41

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 69.708+/-0.388 χ^2/NDF:11756.8/35

Out: 69.815+/-0.379 χ^2/NDF:13927.4/40

All: 69.762+/-0.271 χ^2/NDF: 25684.2/76



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -0.002+/-0.366 χ^2/NDF:1390.5/21

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -1.382+/-0.378 χ^2/NDF:970.7/19

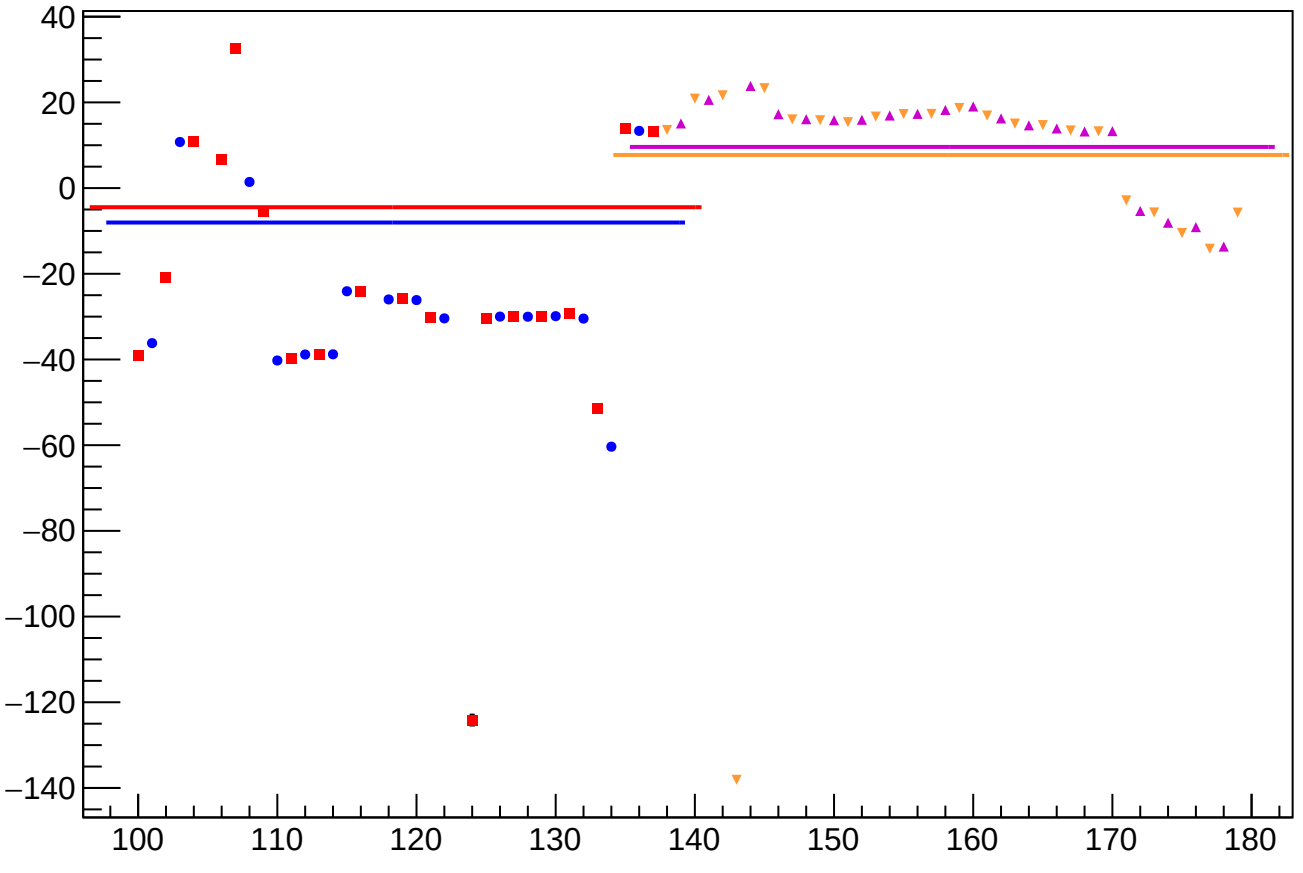
Left: -0.669+/-0.263 χ^2/NDF: 2368.1/41

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 1.922+/-0.346 χ^2/NDF:2301.3/35

Out: 2.546+/-0.336 χ^2/NDF:2639.8/40

All: 2.243+/-0.241 χ^2/NDF: 4942.8/76



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 7.730+/-0.016 χ^2/NDF:925237.0/21

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 9.604+/-0.017 χ^2/NDF:475191.2/19

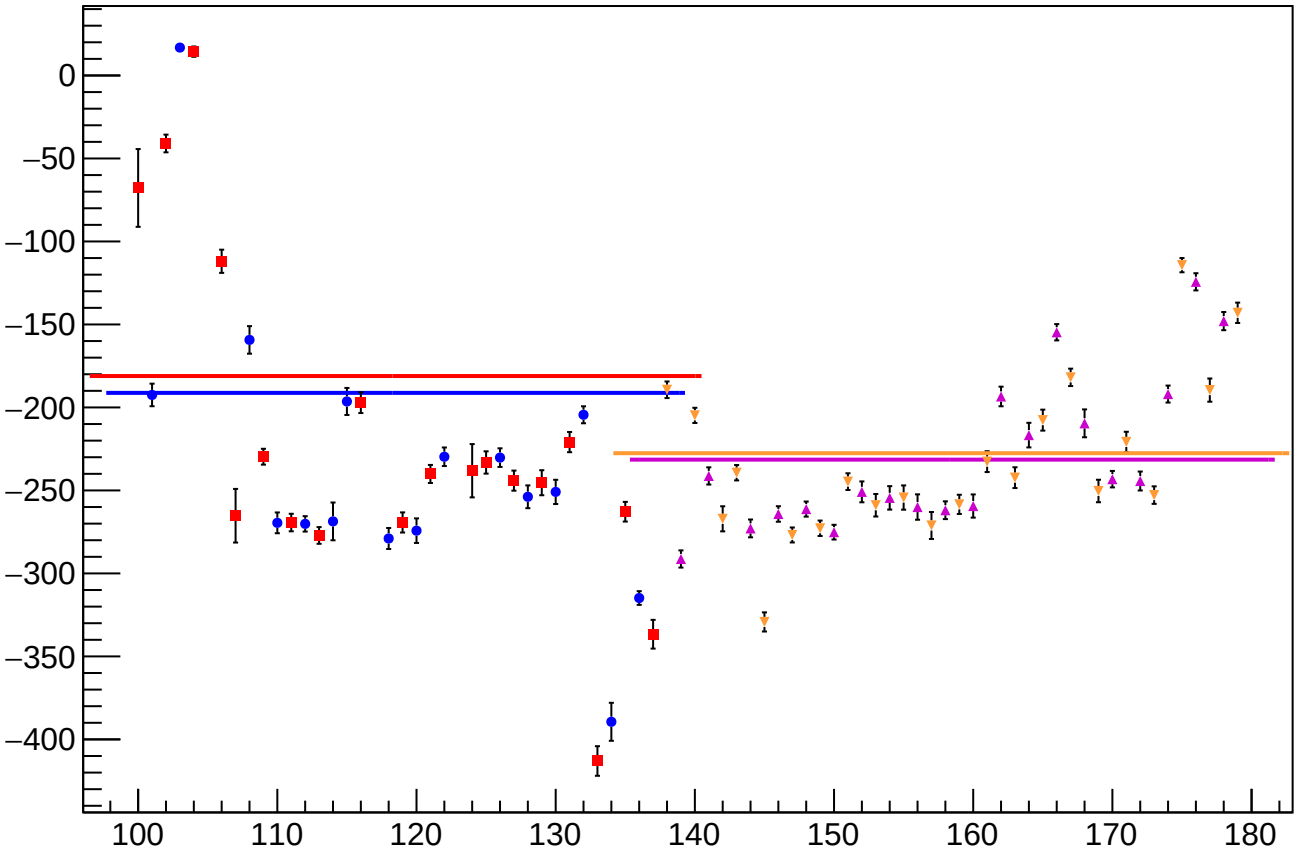
Left: 8.655+/-0.012 χ^2/NDF: 1406835.7/41

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 7.545+/-0.016 χ^2/NDF:873972.0/35

Out: 6.389+/-0.016 χ^2/NDF:1214051.2/40

All: 6.962+/-0.011 χ^2/NDF: 2090772.2/76



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -227.572+/-1.195 χ^2/NDF:1791.7/21

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -231.449+/-1.236 χ^2/NDF:1494.7/19

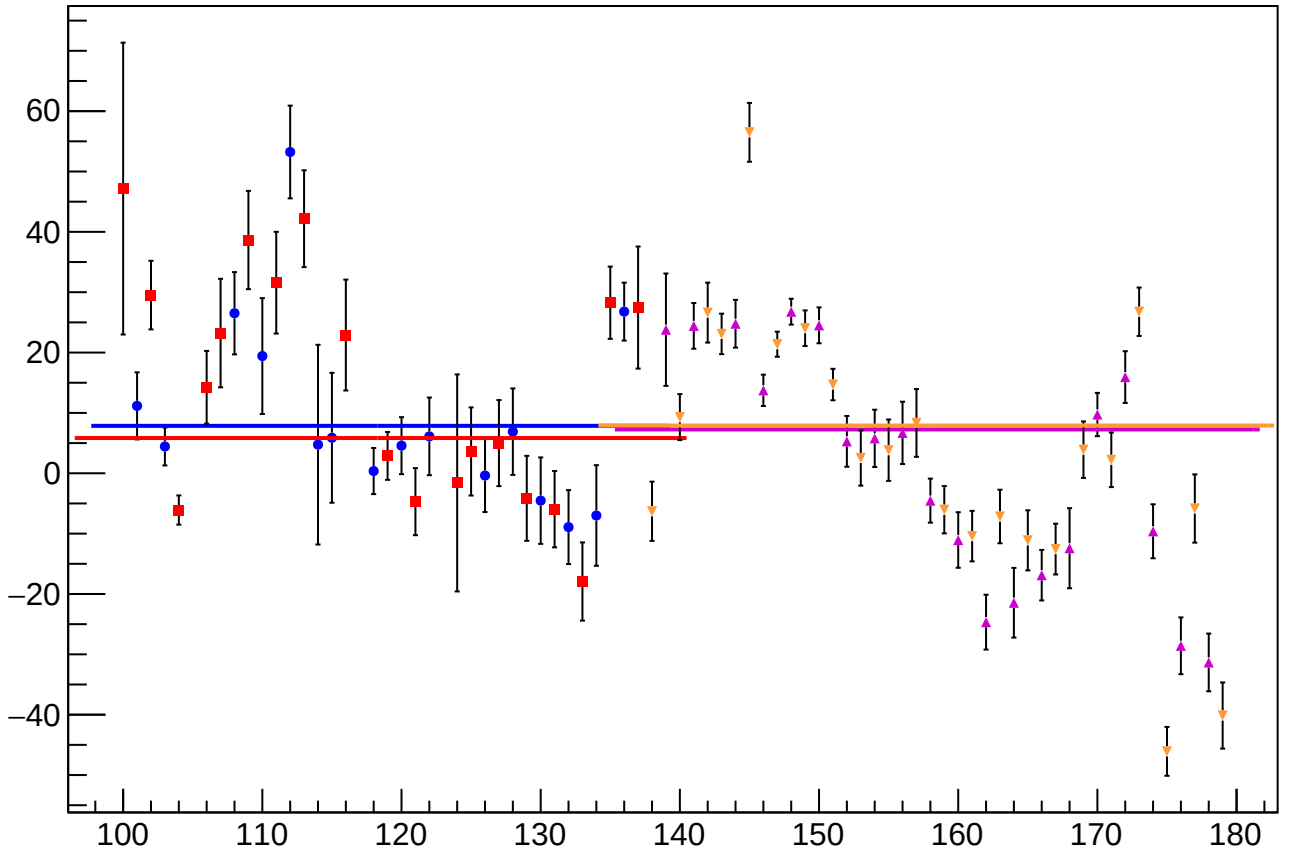
Left: -229.445+/-0.859 χ^2/NDF: 3291.5/41

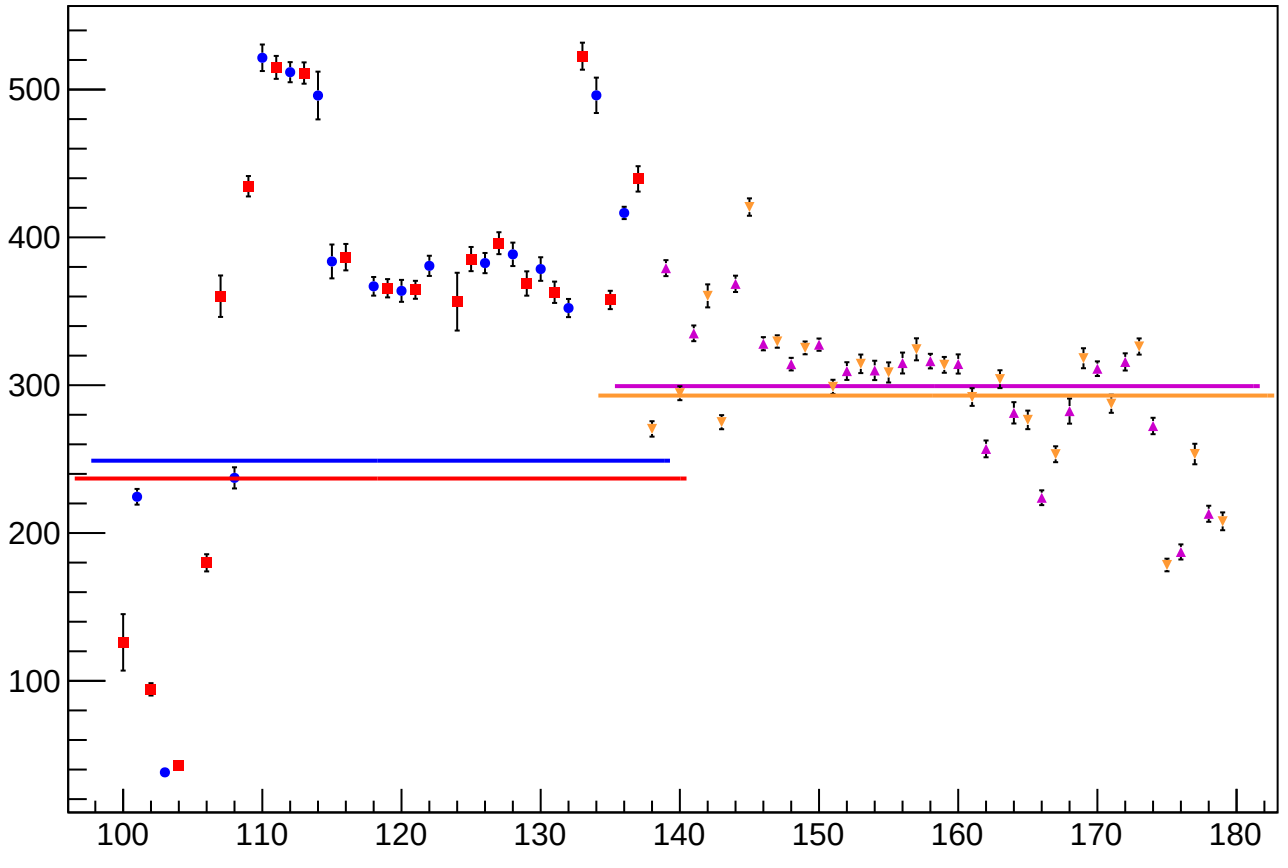
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -214.086+/-0.932 χ^2/NDF:9176.3/35

Out: -207.694+/-0.904 χ^2/NDF:9813.0/40

All: -210.792+/-0.649 χ^2/NDF: 19013.6/76


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 7.909+/-0.831 χ²/NDF:589.8/21
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 7.259+/-0.872 χ²/NDF:450.7/19
Left: 7.600+/-0.602 χ²/NDF: 1040.8/41
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 7.420+/-0.746 χ²/NDF:531.7/35
Out: 7.343+/-0.709 χ²/NDF:733.4/40
All: 7.380+/-0.514 χ²/NDF: 1265.1/76



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 292.991+/-1.175 χ^2/NDF:1827.4/21

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 299.373+/-1.212 χ^2/NDF:1611.8/19

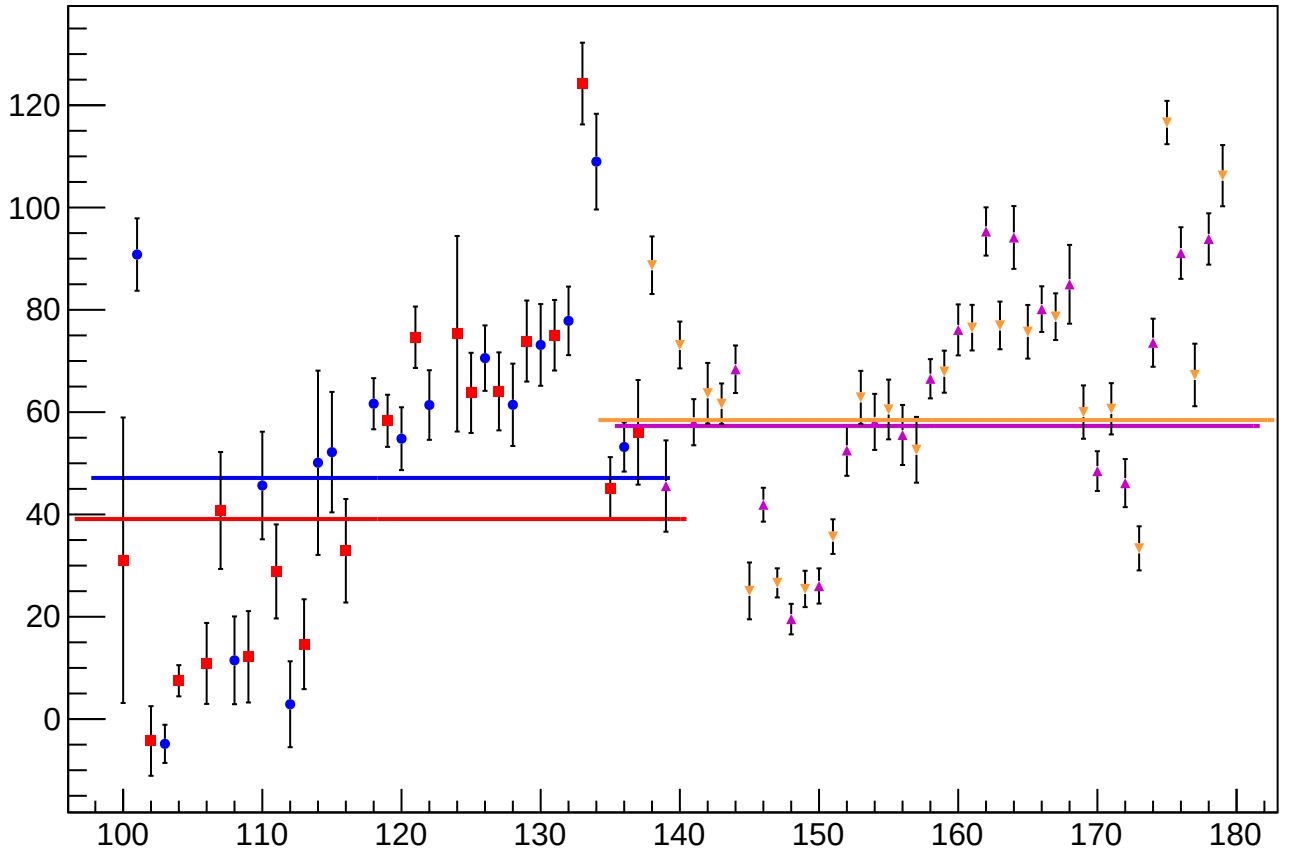
Left: 296.082+/-0.844 χ^2/NDF: 3453.5/41

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 278.137+/-0.922 χ^2/NDF:17642.9/35

Out: 269.933+/-0.902 χ^2/NDF:18422.3/40

All: 273.942+/-0.645 χ^2/NDF: 36105.7/76



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 58.454+/-0.969 χ^2/NDF:692.1/21

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 57.305+/-1.009 χ^2/NDF:553.5/19

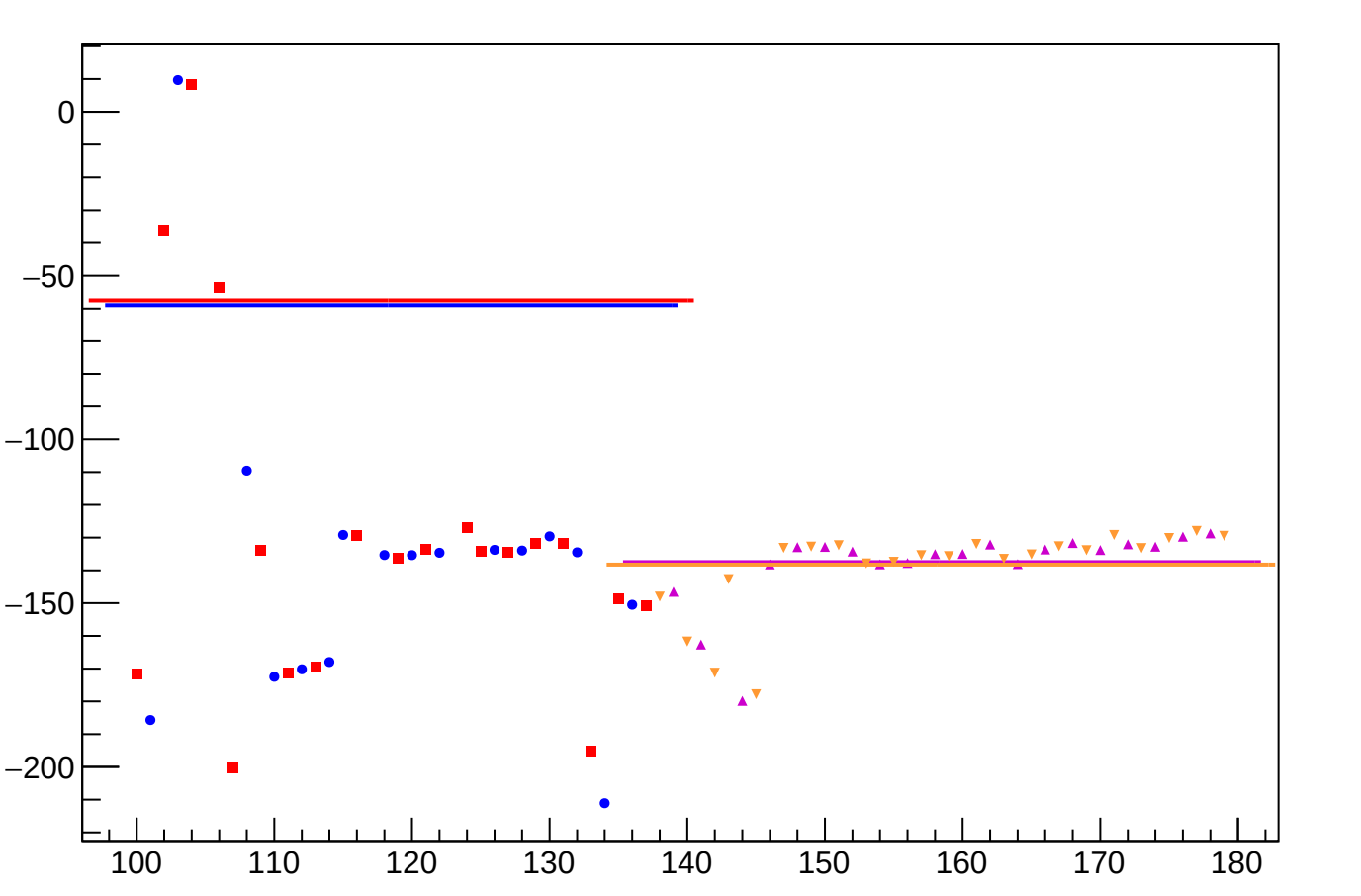
Left: 57.903+/-0.699 χ^2/NDF: 1246.3/41

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 54.579+/-0.864 χ^2/NDF:966.1/35

Out: 53.243+/-0.828 χ^2/NDF:1216.0/40

All: 53.883+/-0.598 χ^2/NDF: 2183.3/76



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.244+/-0.046 χ^2/NDF:66833.7/21

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -137.490+/-0.046 χ^2/NDF:52555.7/19

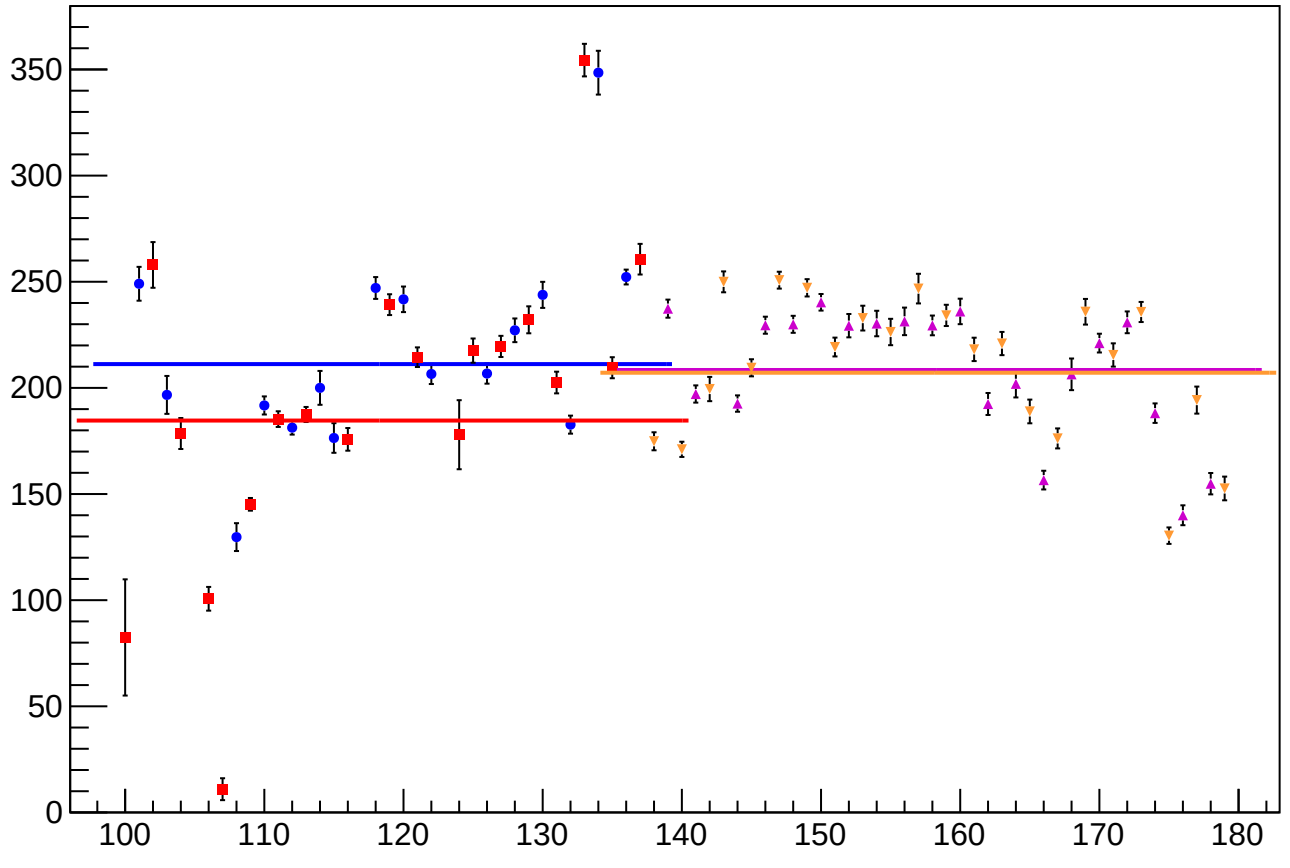
Left: -137.872+/-0.032 χ^2/NDF: 119524.5/41

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -114.895+/-0.039 χ^2/NDF:2112969.7/35

Out: -116.173+/-0.039 χ^2/NDF:1797281.3/40

All: -115.536+/-0.027 χ^2/NDF: 3910791.4/76



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 207.144+/-1.038 χ^2/NDF:1168.7/21

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 208.432+/-1.063 χ^2/NDF:798.3/19

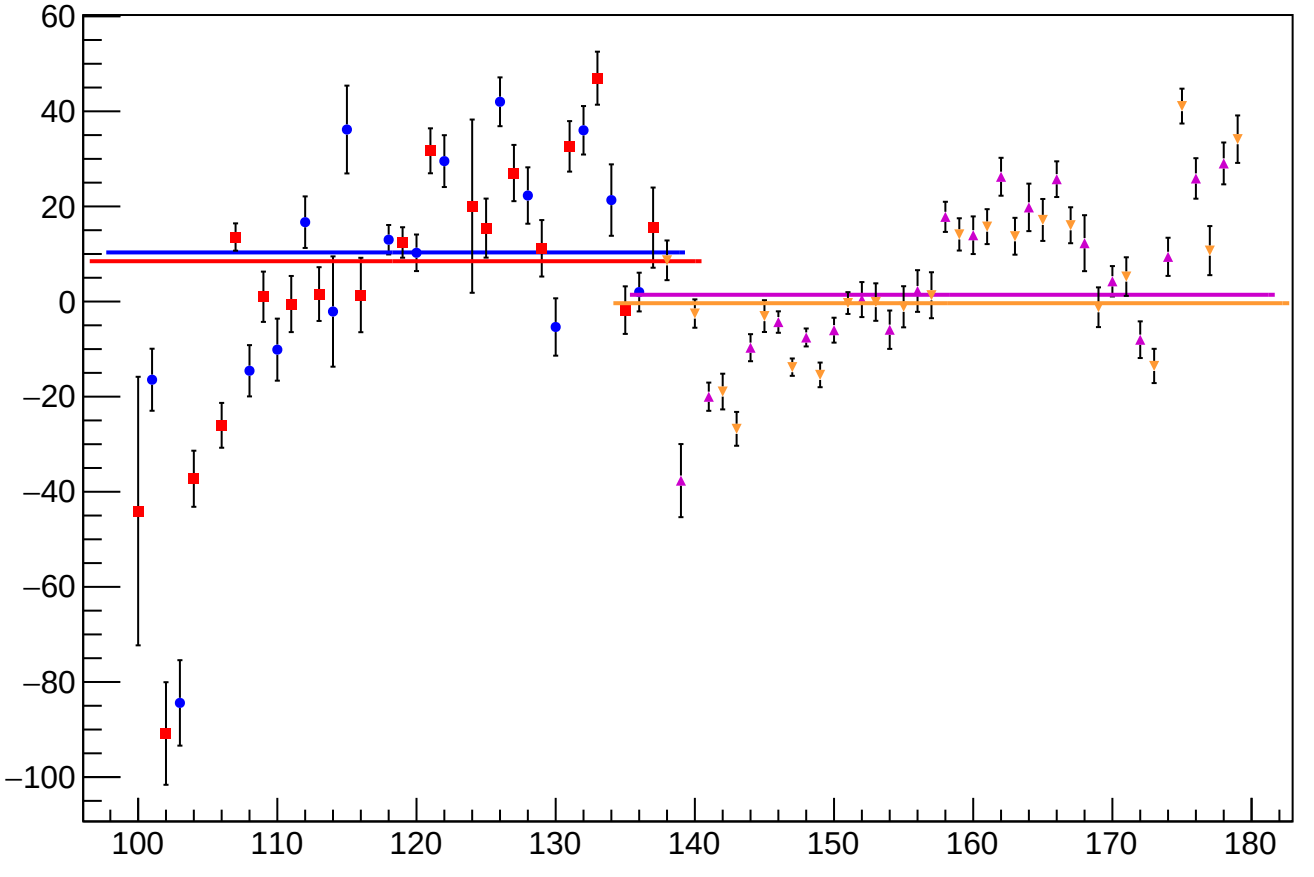
Left: 207.772+/-0.743 χ^2/NDF: 1967.8/41

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 209.550+/-0.822 χ^2/NDF:1584.1/35

Out: 197.450+/-0.783 χ^2/NDF:3912.0/40

All: 203.207+/-0.567 χ^2/NDF: 5609.6/76



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -0.349+/-0.725 χ^2/NDF:454.4/21

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: 1.422+/-0.753 χ^2/NDF:351.4/19

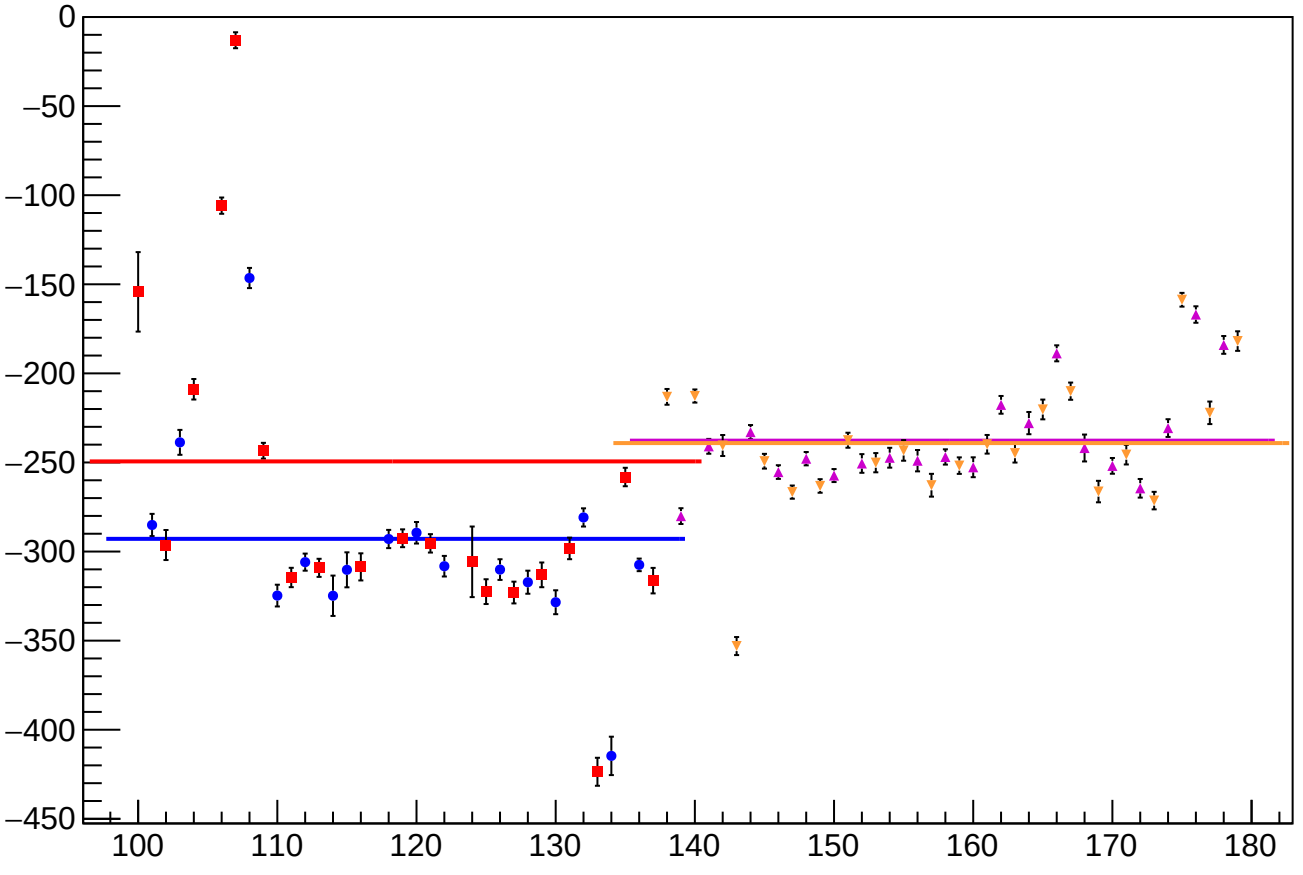
Left: 0.502+/-0.522 χ^2/NDF: 808.7/41

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 3.576+/-0.655 χ^2/NDF:648.6/35

Out: 1.940+/-0.624 χ^2/NDF:815.3/40

All: 2.717+/-0.452 χ^2/NDF: 1467.1/76



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -239.125+/-1.021 χ^2/NDF:1382.6/21

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -237.765+/-1.044 χ^2/NDF:701.3/19

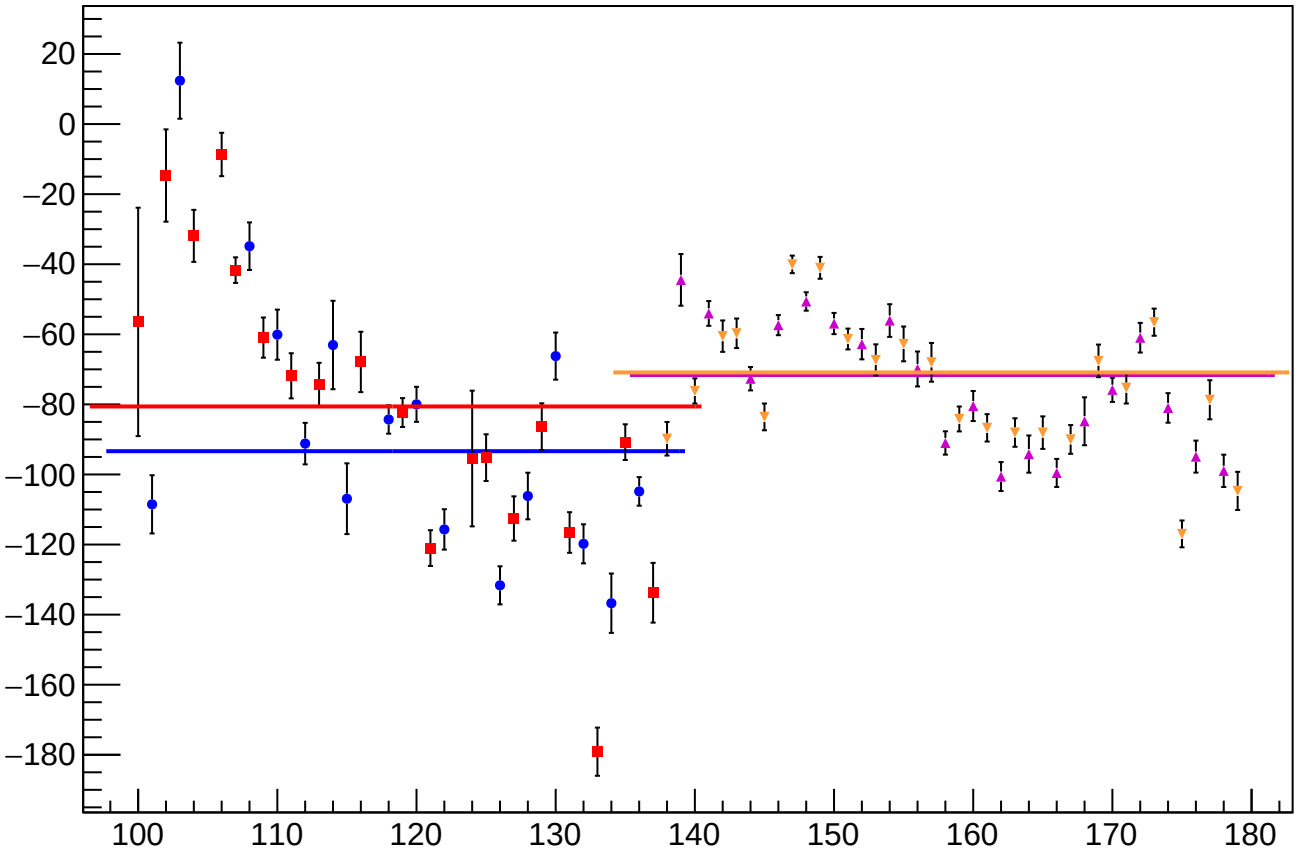
Left: -238.460+/-0.730 χ^2/NDF: 2084.8/41

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -256.286+/-0.851 χ^2/NDF:2621.0/35

Out: -242.801+/-0.818 χ^2/NDF:6787.3/40

All: -249.283+/-0.590 χ^2/NDF: 9538.8/76



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -70.882+/-0.845 χ^2/NDF:582.2/21

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -71.617+/-0.872 χ^2/NDF:397.4/19

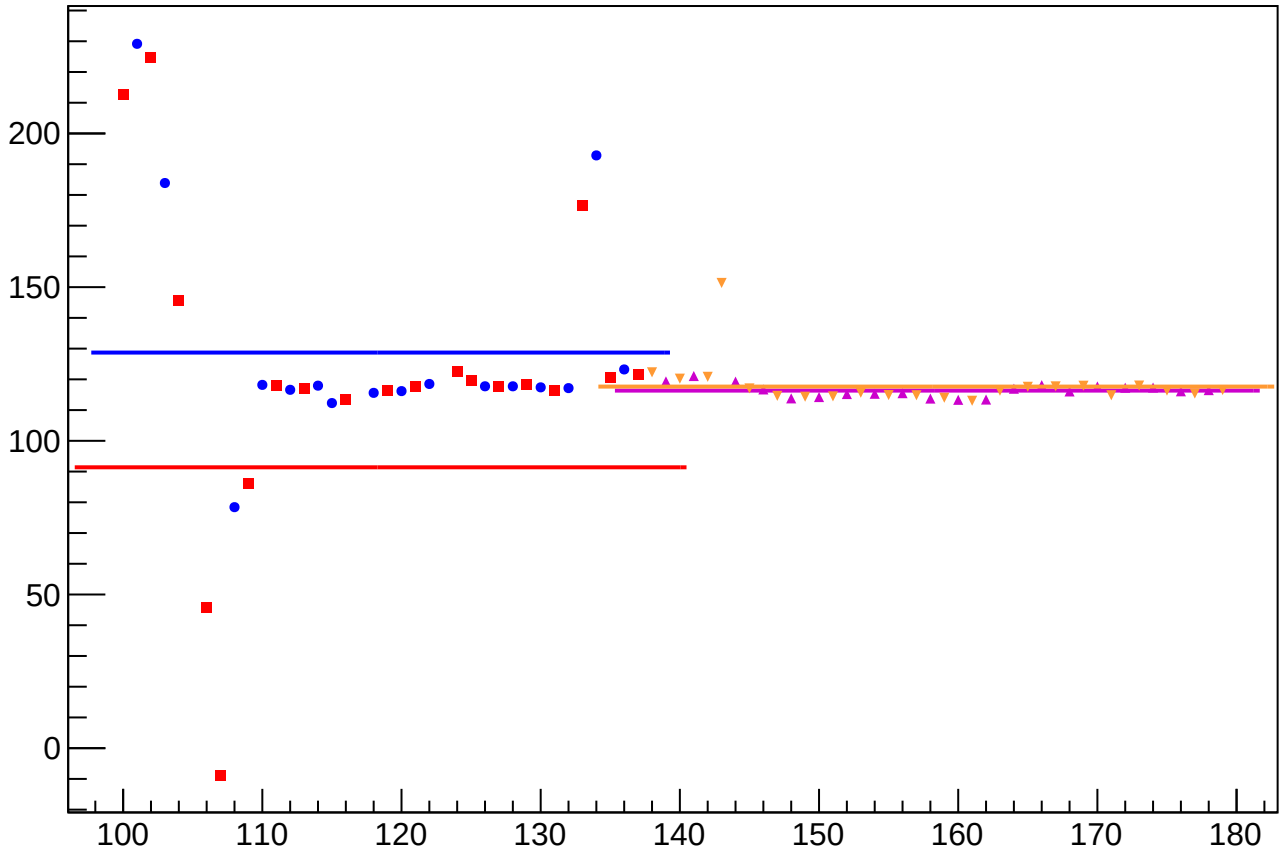
Left: -71.238+/-0.607 χ^2/NDF: 980.0/41

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.922+/-0.758 χ^2/NDF:904.5/35

Out: -73.409+/-0.726 χ^2/NDF:1331.9/40

All: -75.091+/-0.524 χ^2/NDF: 2247.7/76



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.645+/-0.040 χ^2/NDF:29866.6/21

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.341+/-0.040 χ^2/NDF:2990.5/19

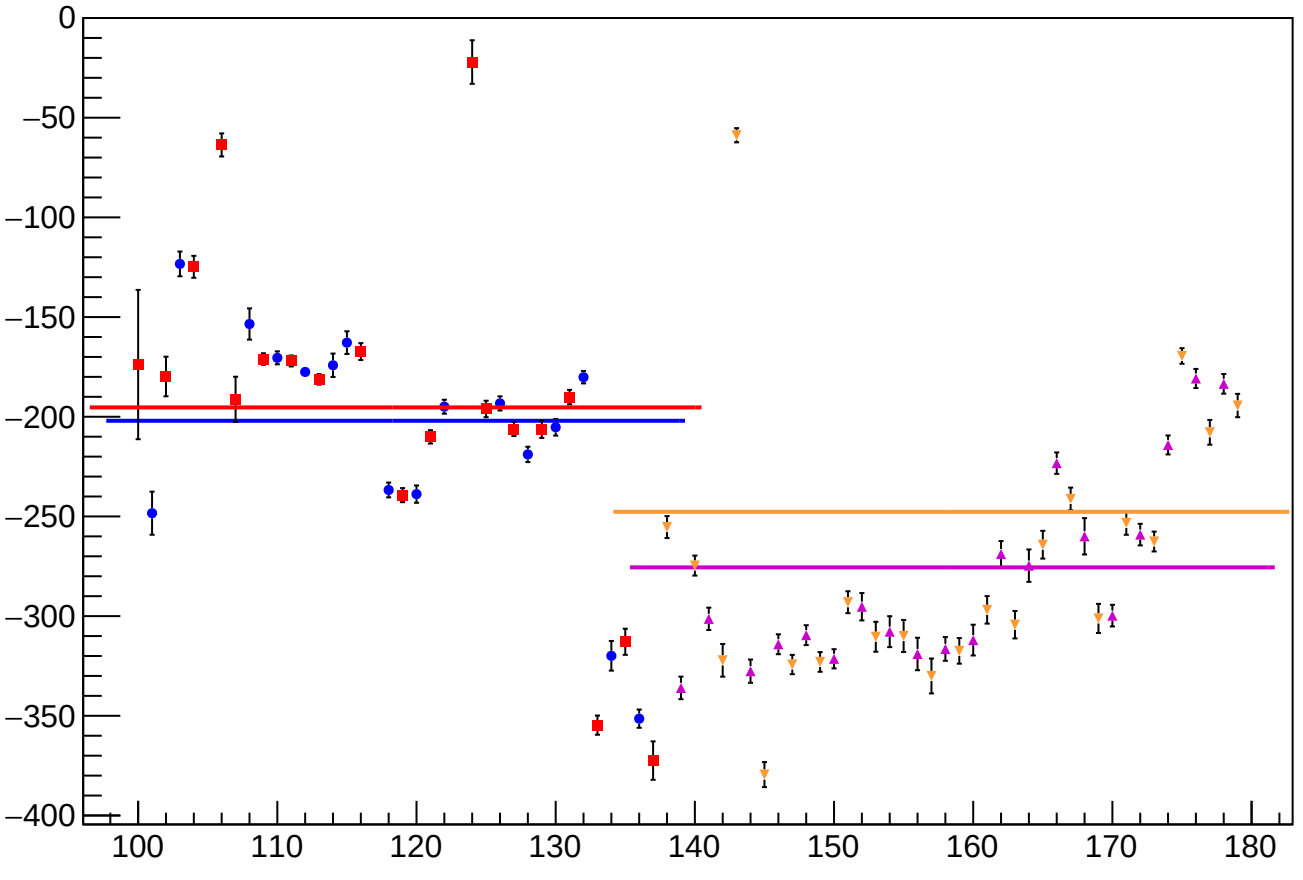
Left: 116.997+/-0.028 χ^2/NDF: 33396.1/41

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.401+/-0.036 χ^2/NDF:202576.5/35

Out: 112.377+/-0.035 χ^2/NDF:722973.6/40

All: 115.308+/-0.025 χ^2/NDF: 939632.8/76



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -247.668+/-1.212 χ^2/NDF:4974.2/21

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -275.555+/-1.295 χ^2/NDF:1568.9/19

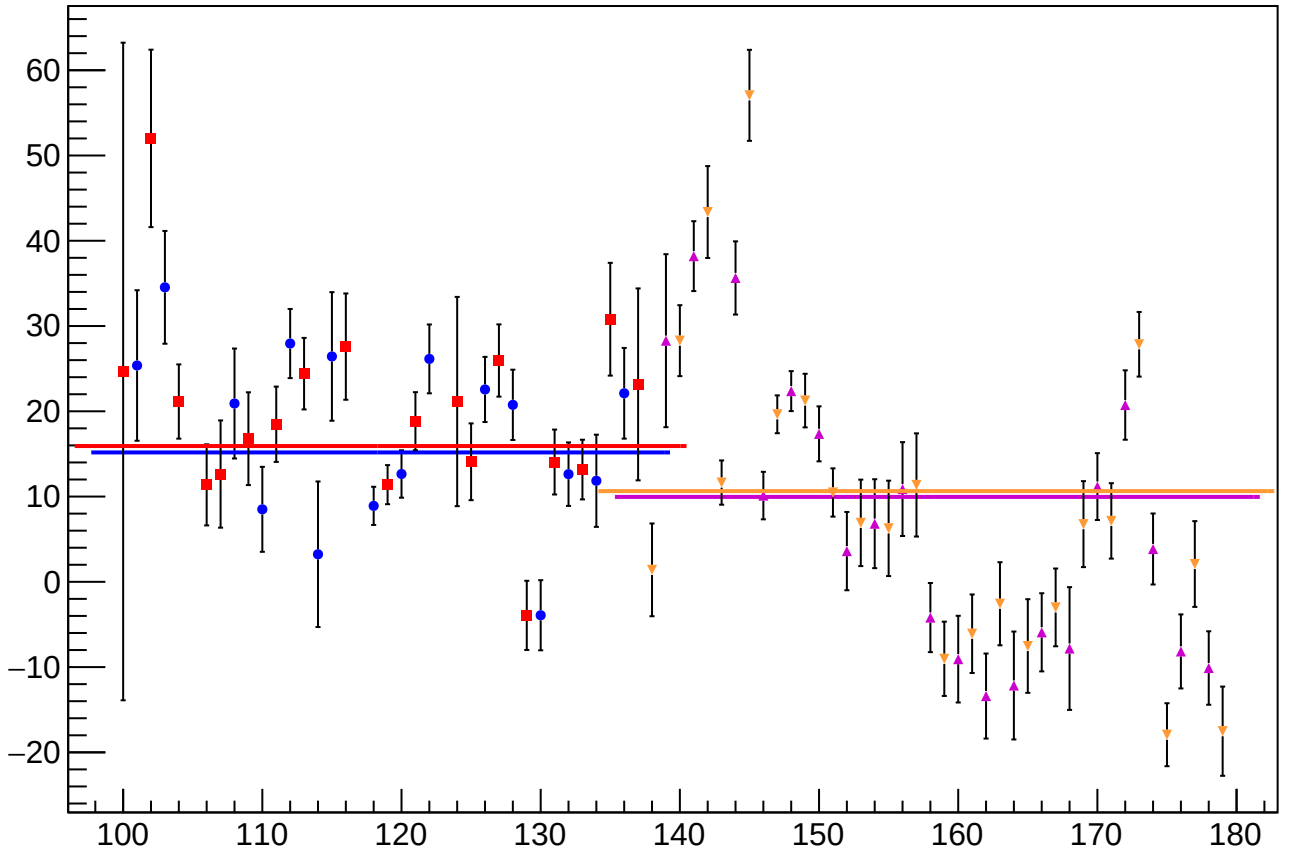
Left: -260.689+/-0.885 χ^2/NDF: 6790.5/41

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -230.322+/-0.803 χ^2/NDF:5593.9/35

Out: -215.865+/-0.759 χ^2/NDF:9209.0/40

All: -222.687+/-0.552 χ^2/NDF: 14974.0/76



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 10.638+/-0.854 χ^2/NDF:337.0/21

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 9.959+/-0.925 χ^2/NDF:248.9/19

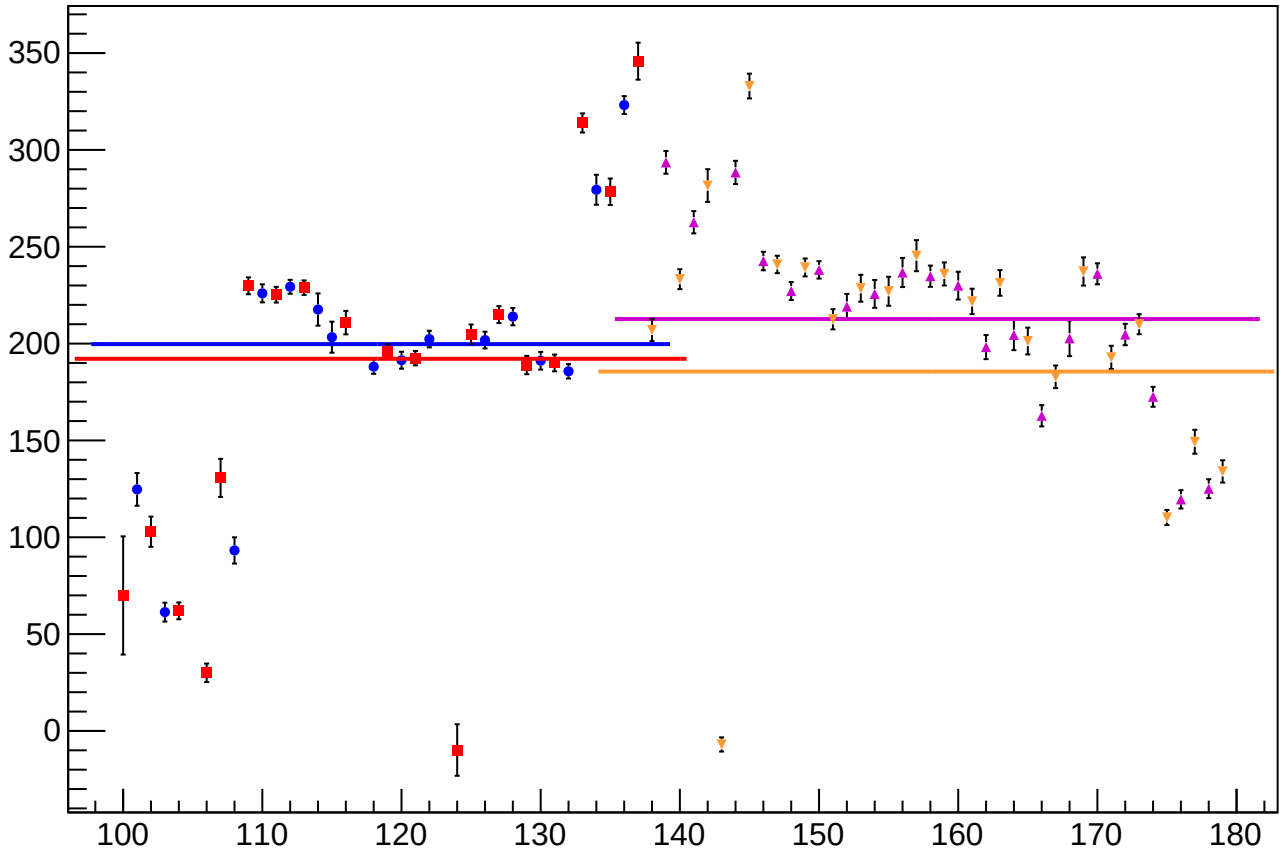
Left: 10.325+/-0.628 χ^2/NDF: 586.2/41

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 12.243+/-0.693 χ^2/NDF:335.2/35

Out: 12.777+/-0.659 χ^2/NDF:416.0/40

All: 12.523+/-0.478 χ^2/NDF: 751.5/76



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 185.551+/-1.196 χ^2/NDF:4684.4/21

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 212.667+/-1.273 χ^2/NDF:1420.2/19

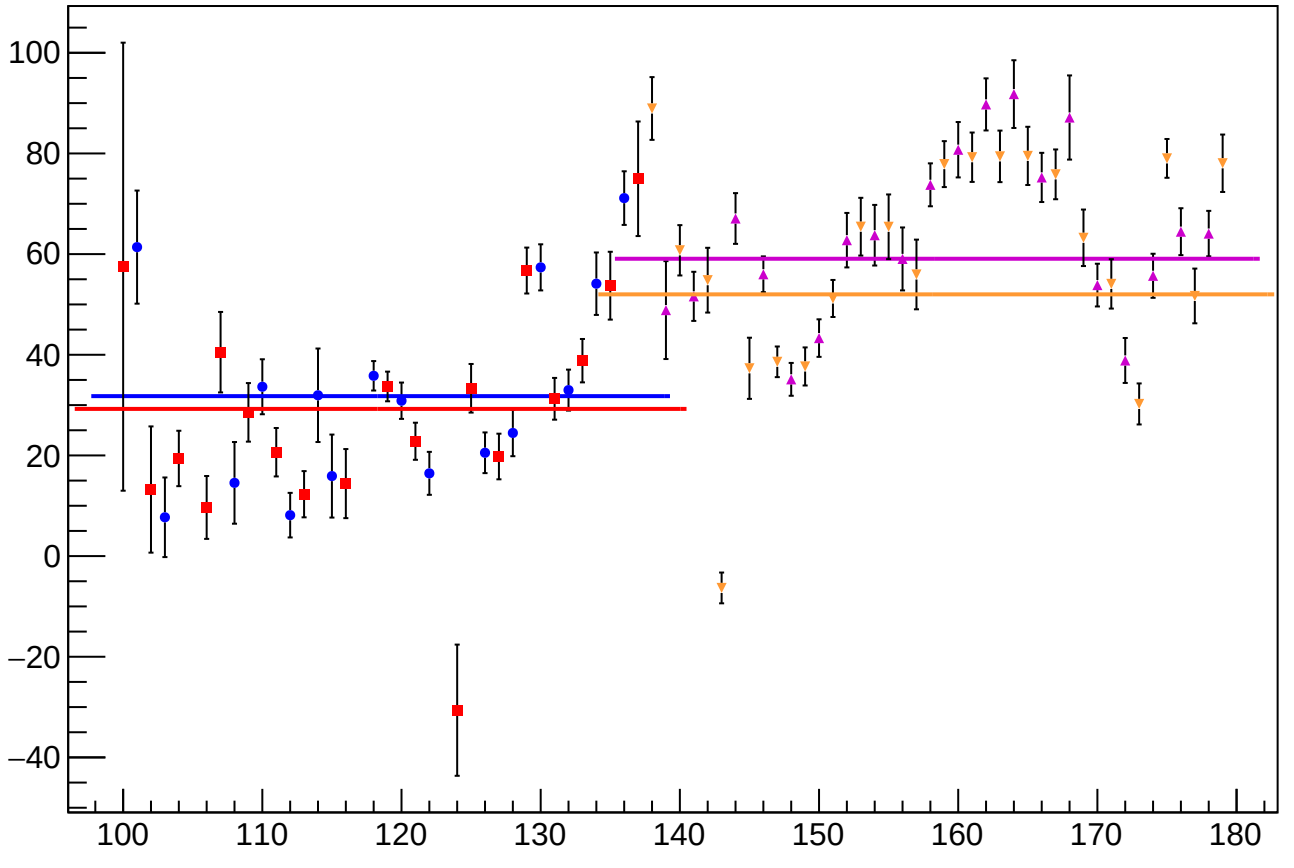
Left: 198.261+/-0.872 χ^2/NDF: 6345.6/41

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 205.789+/-0.872 χ^2/NDF:3576.8/35

Out: 188.981+/-0.829 χ^2/NDF:8477.4/40

All: 196.965+/-0.601 χ^2/NDF: 12249.4/76



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 52.003+/-0.993 χ^2/NDF:692.1/21

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 59.078+/-1.066 χ^2/NDF:213.0/19

Left: 55.290+/-0.726 χ^2/NDF: 928.8/41

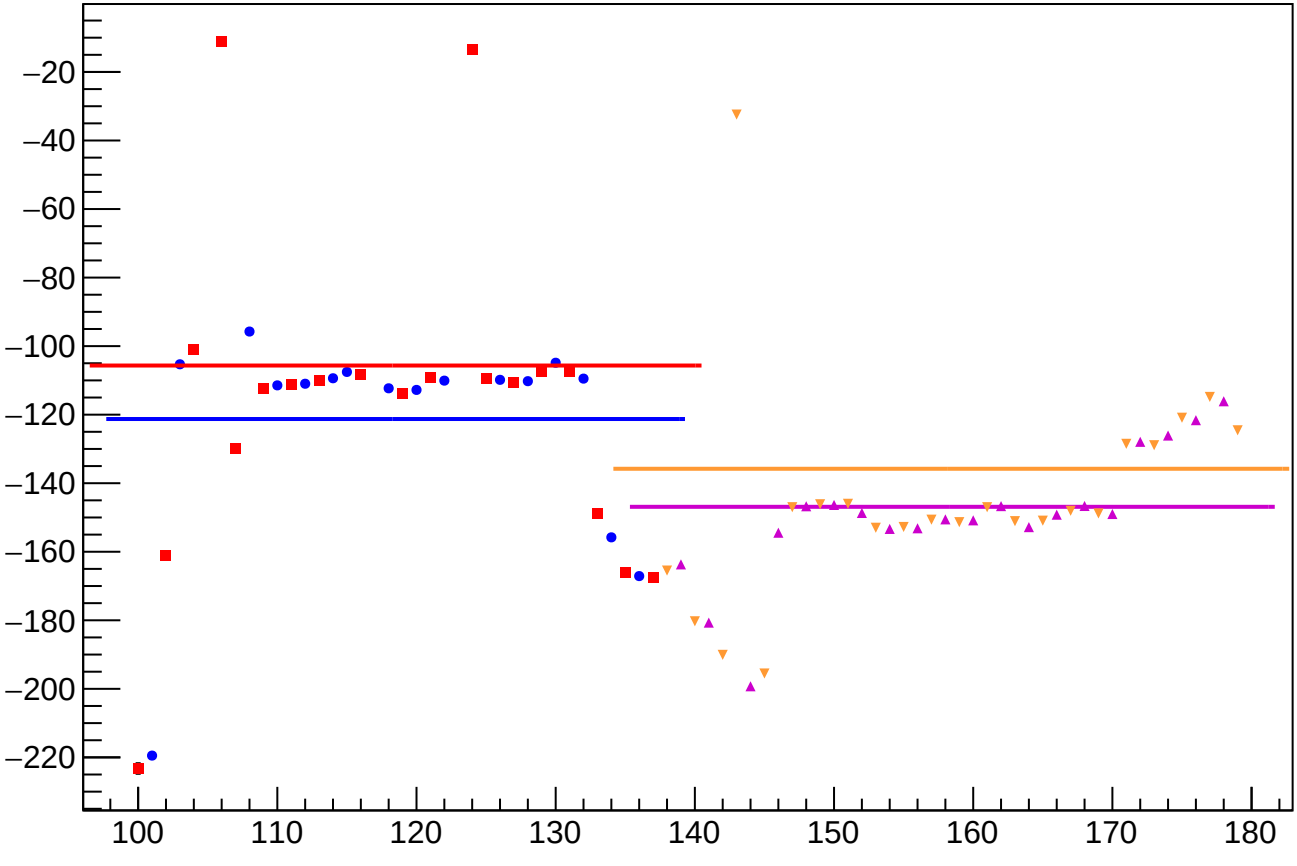
Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 47.228+/-0.802 χ^2/NDF:674.9/35

Out: 42.726+/-0.764 χ^2/NDF:1047.3/40

All: 44.869+/-0.553 χ^2/NDF: 1738.7/76

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.786+/-0.047 χ^2/NDF:659684.9/21

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -146.886+/-0.049 χ^2/NDF:127959.8/19

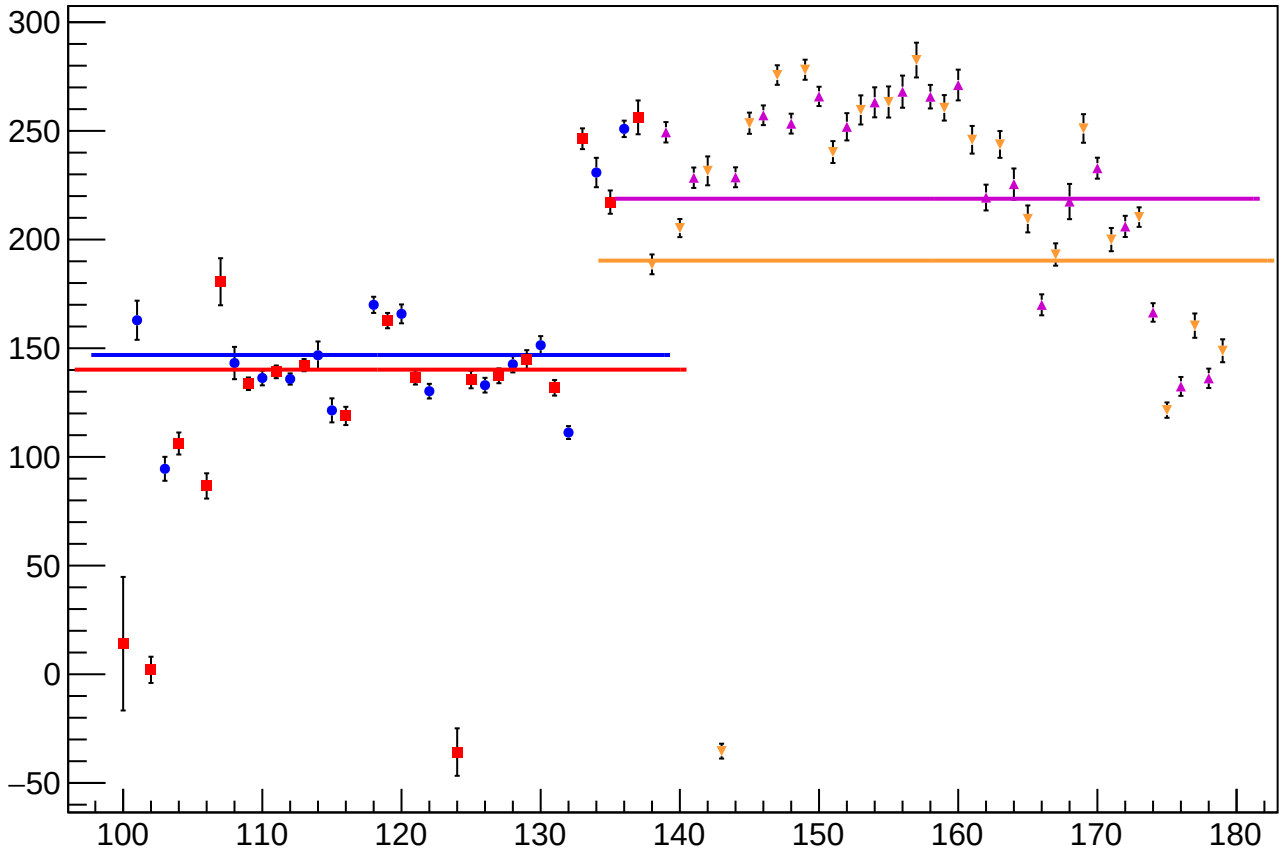
Left: -141.111+/-0.034 χ^2/NDF: 814821.9/41

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -139.888+/-0.041 χ^2/NDF:323360.9/35

Out: -127.338+/-0.040 χ^2/NDF:1131803.5/40

All: -133.327+/-0.029 χ^2/NDF: 1503189.1/76



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 190.315+/-1.085 χ^2/NDF:6625.8/21

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 218.785+/-1.152 χ^2/NDF:1544.9/19

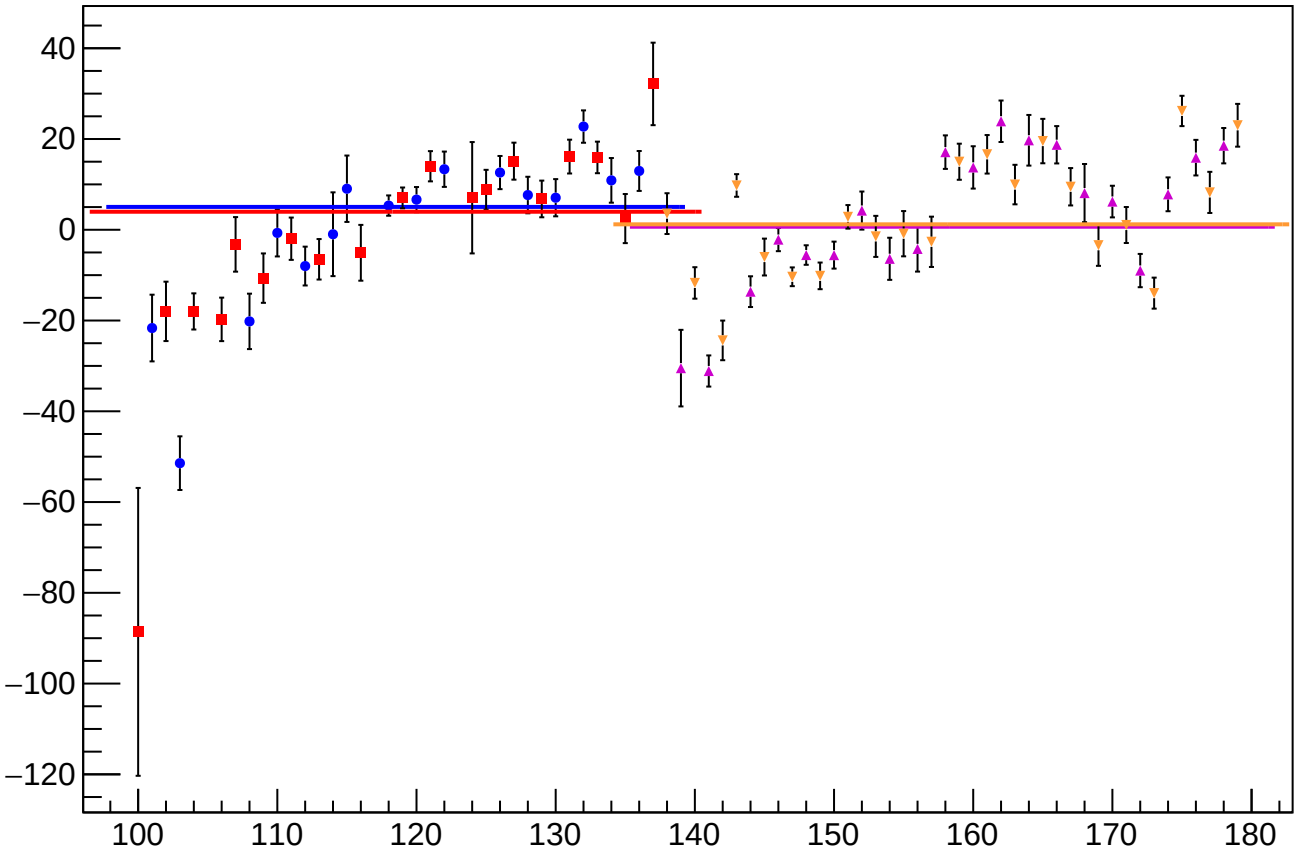
Left: 203.705+/-0.790 χ^2/NDF: 8494.3/41

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 177.920+/-0.756 χ^2/NDF:5061.6/35

Out: 162.176+/-0.719 χ^2/NDF:9774.9/40

All: 169.649+/-0.521 χ^2/NDF: 15064.1/76



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 1.198+/-0.772 χ^2/NDF:258.9/21

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: 0.672+/-0.829 χ^2/NDF:270.3/19

Left: 0.954+/-0.565 χ^2/NDF: 529.4/41

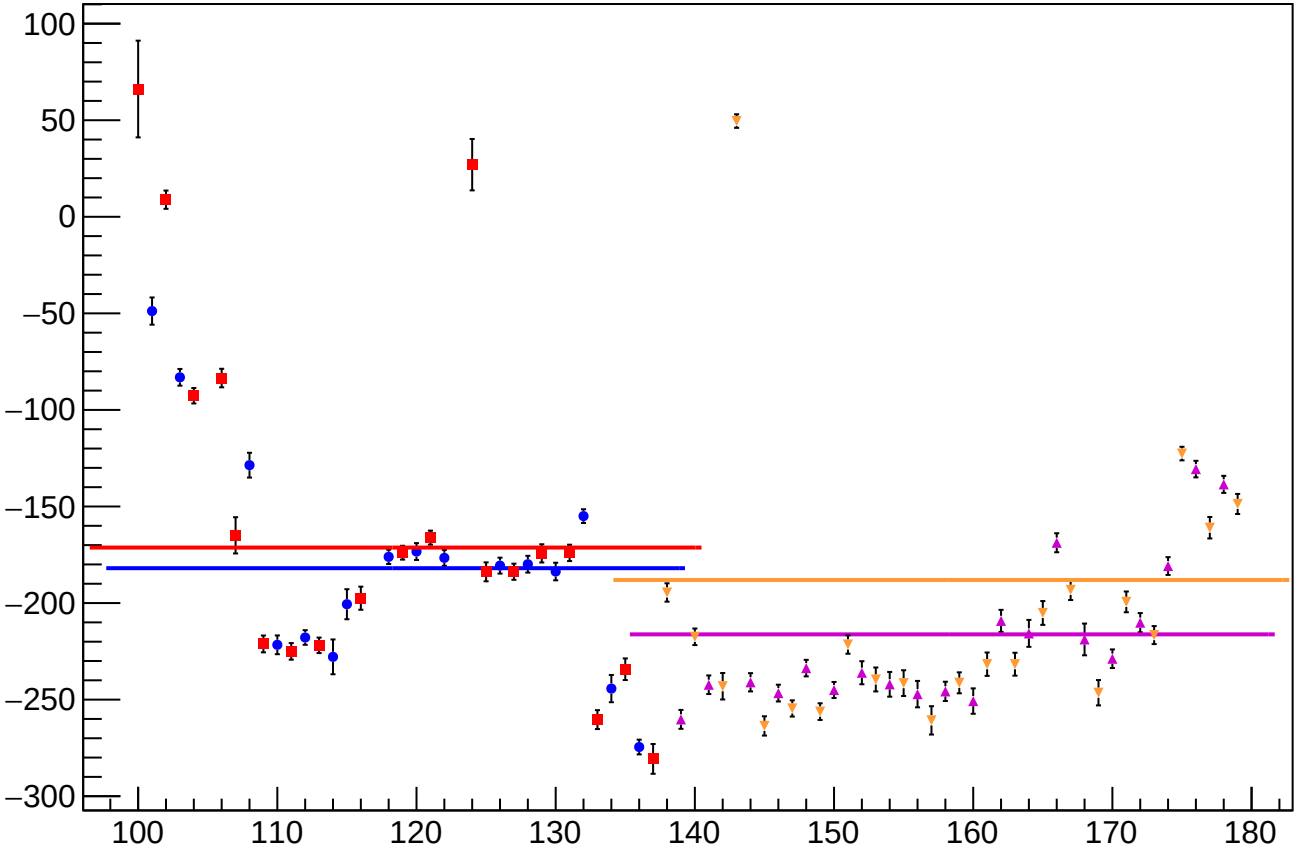
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 2.407+/-0.644 χ^2/NDF:453.2/35

Out: 2.219+/-0.614 χ^2/NDF:408.5/40

All: 2.308+/-0.444 χ^2/NDF: 861.7/76

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -188.038+/-1.073 χ^2/NDF:6448.1/21

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -216.209+/-1.135 χ^2/NDF:1231.9/19

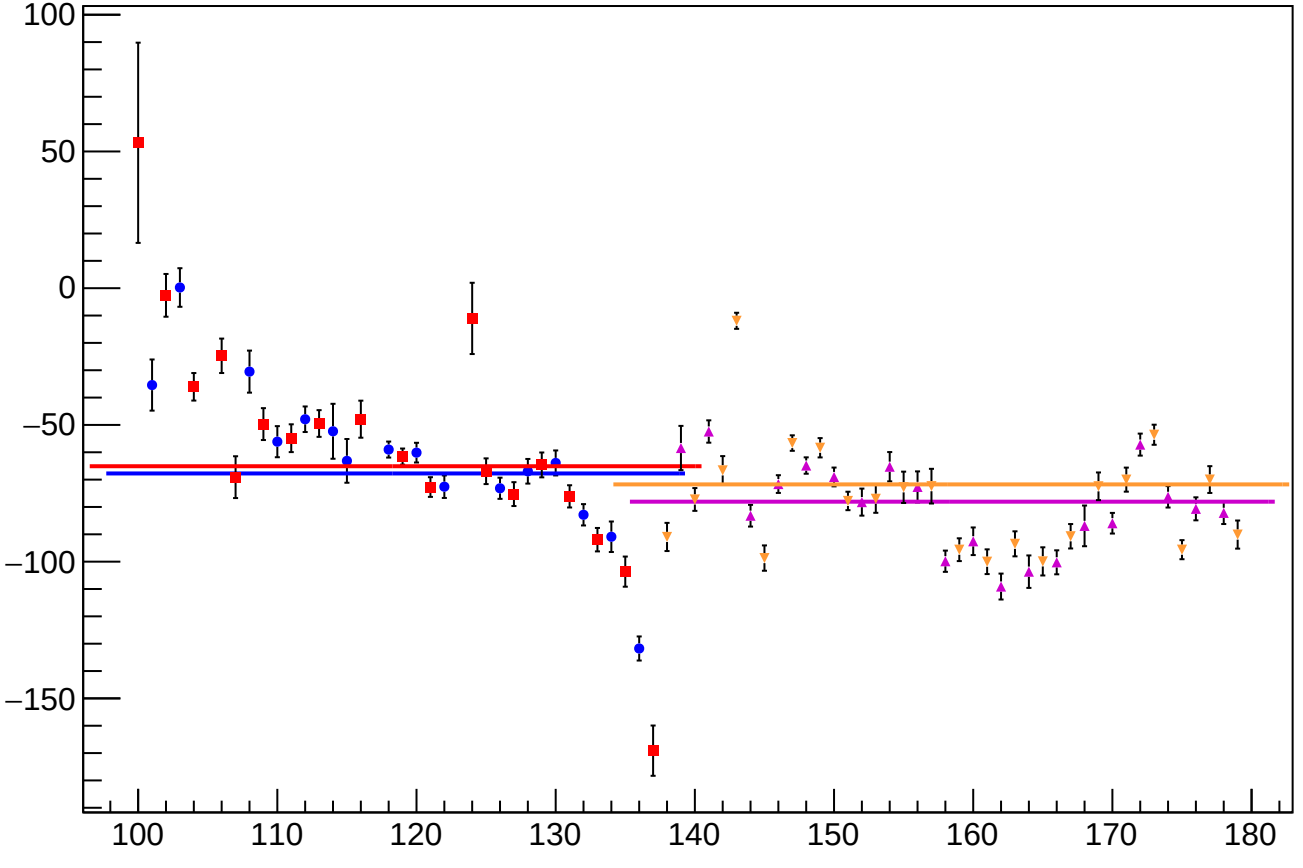
Left: -201.334+/-0.780 χ^2/NDF: 8005.2/41

Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -199.362+/-0.809 χ^2/NDF:3550.4/35

Out: -179.942+/-0.772 χ^2/NDF:10194.2/40

All: -189.194+/-0.559 χ^2/NDF: 14046.2/76



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -71.746+/-0.895 χ^2/NDF:738.5/21

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -78.070+/-0.954 χ^2/NDF:244.8/19

Left: -74.705+/-0.653 χ^2/NDF: 1006.7/41

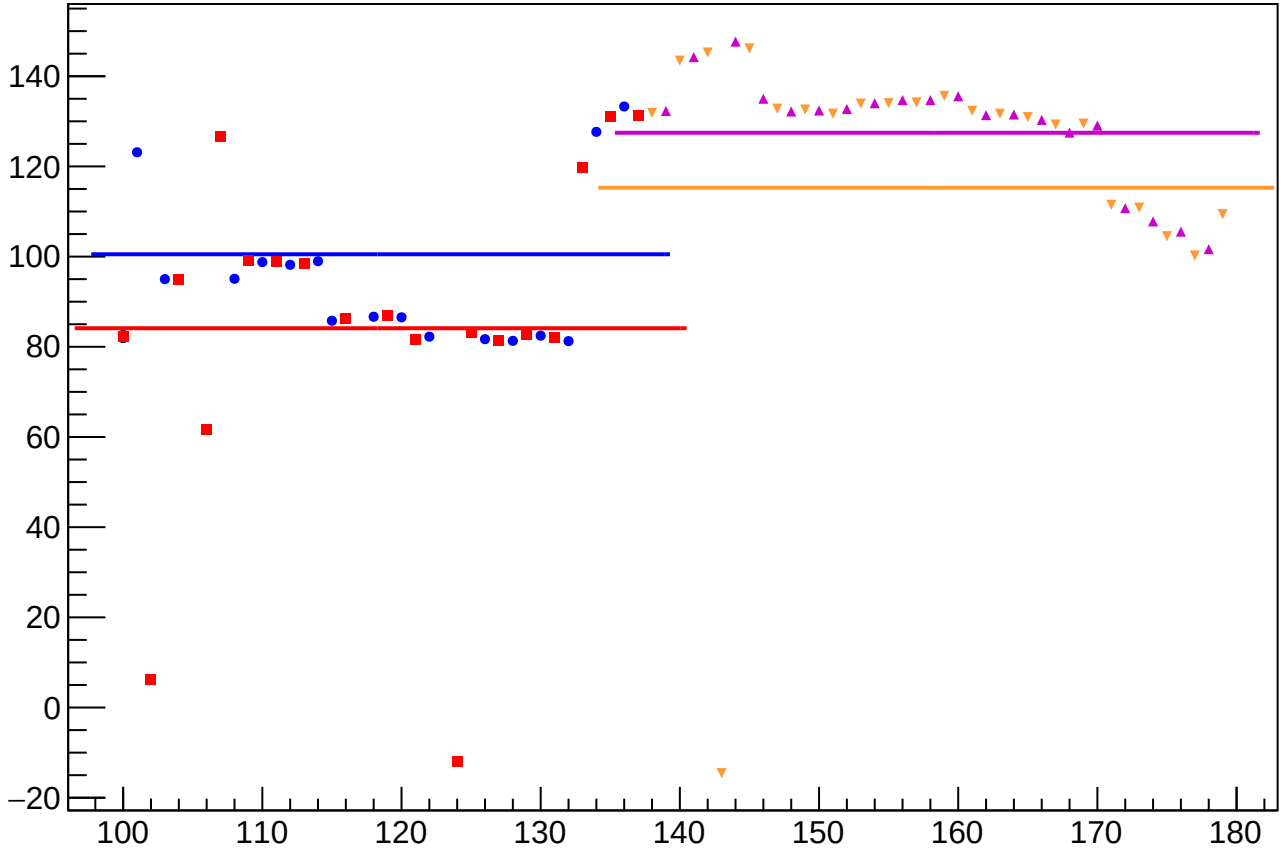
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.992+/-0.742 χ^2/NDF:705.1/35

Out: -69.286+/-0.710 χ^2/NDF:1188.0/40

All: -71.535+/-0.513 χ^2/NDF: 1914.1/76

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.275+/-0.042 χ^2/NDF:951745.2/21

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 127.459+/-0.043 χ^2/NDF:83036.9/19

Left: 121.153+/-0.030 χ^2/NDF: 1075682.8/41

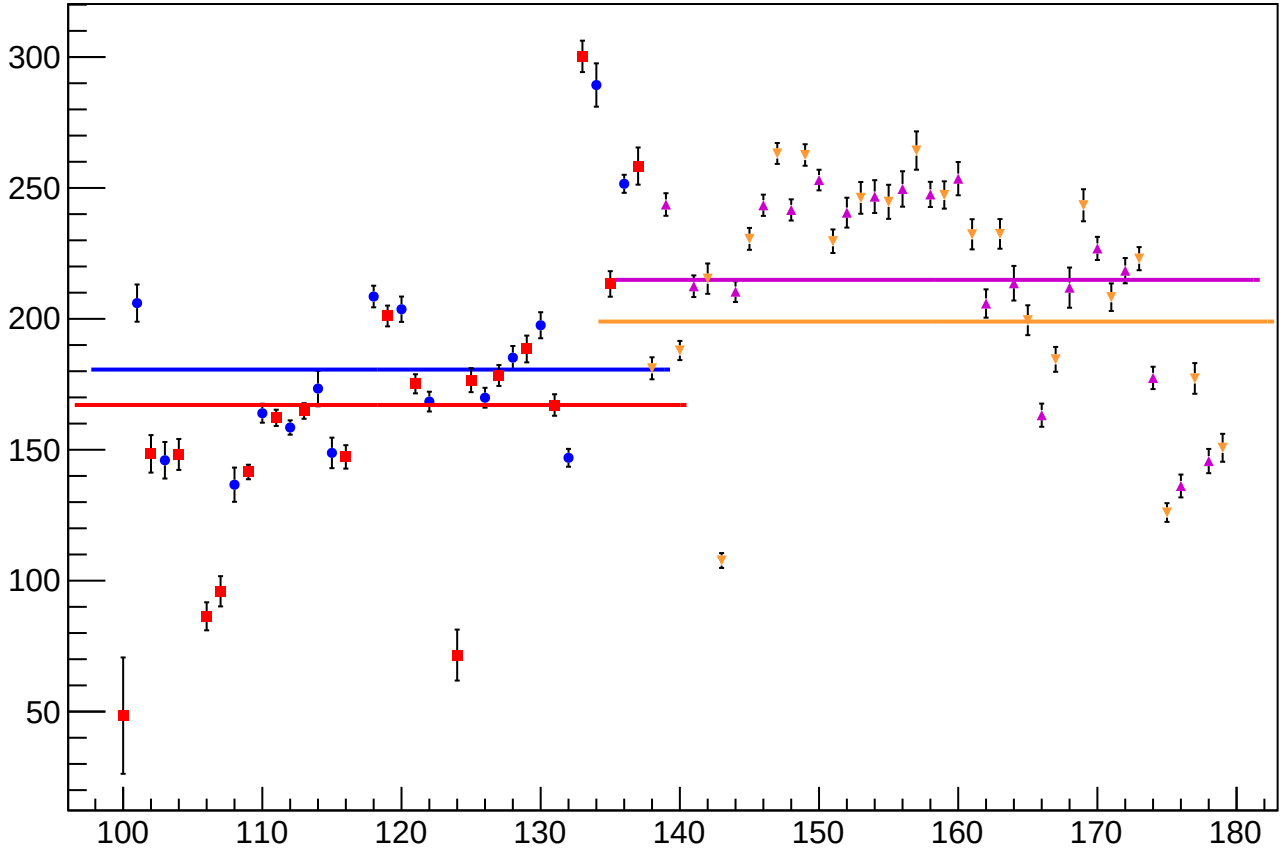
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 120.572+/-0.037 χ^2/NDF:249268.4/35

Out: 106.933+/-0.036 χ^2/NDF:1363970.9/40

All: 113.457+/-0.026 χ^2/NDF: 1682638.0/76

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.976+/-0.994 χ^2/NDF:2619.9/21

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

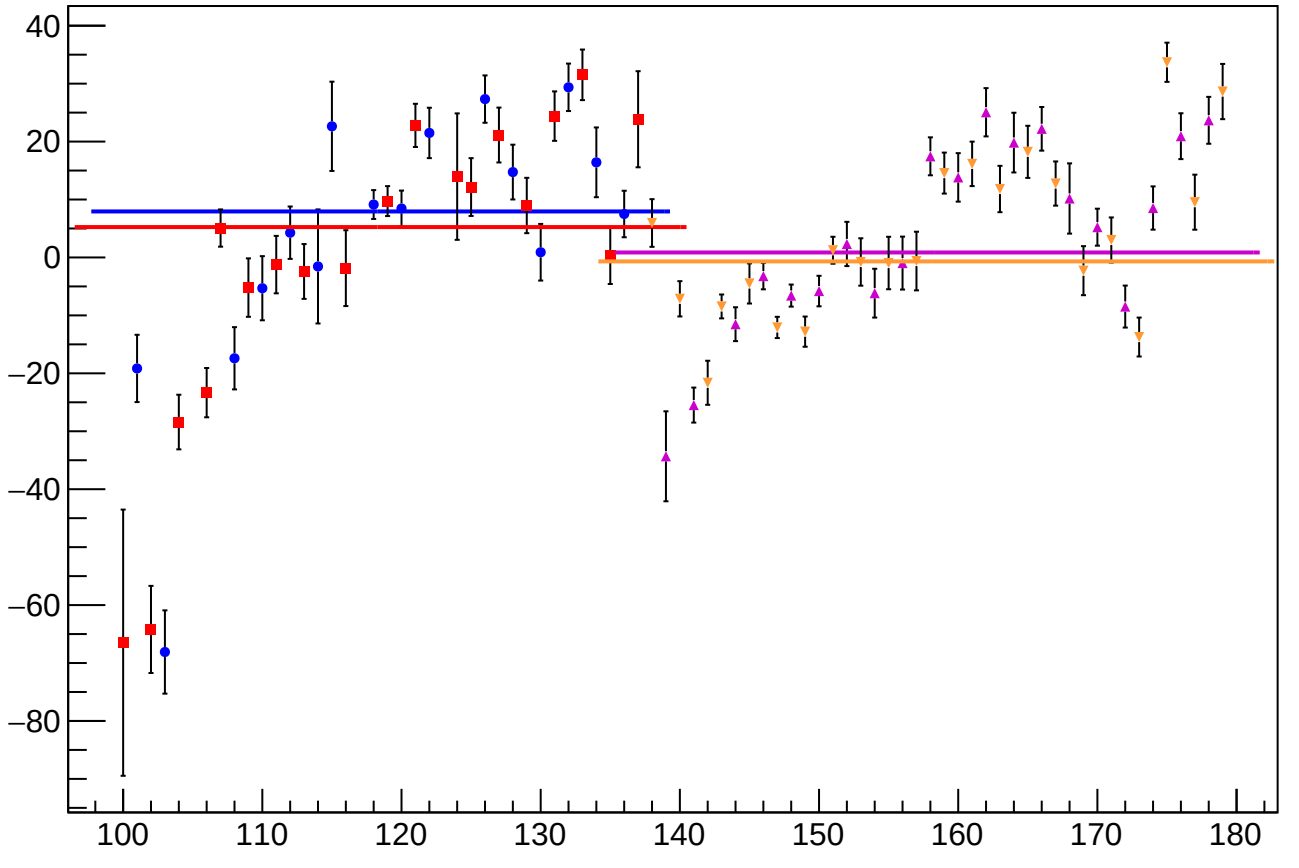
Left: 206.387+/-0.727 χ^2/NDF: 3900.7/41

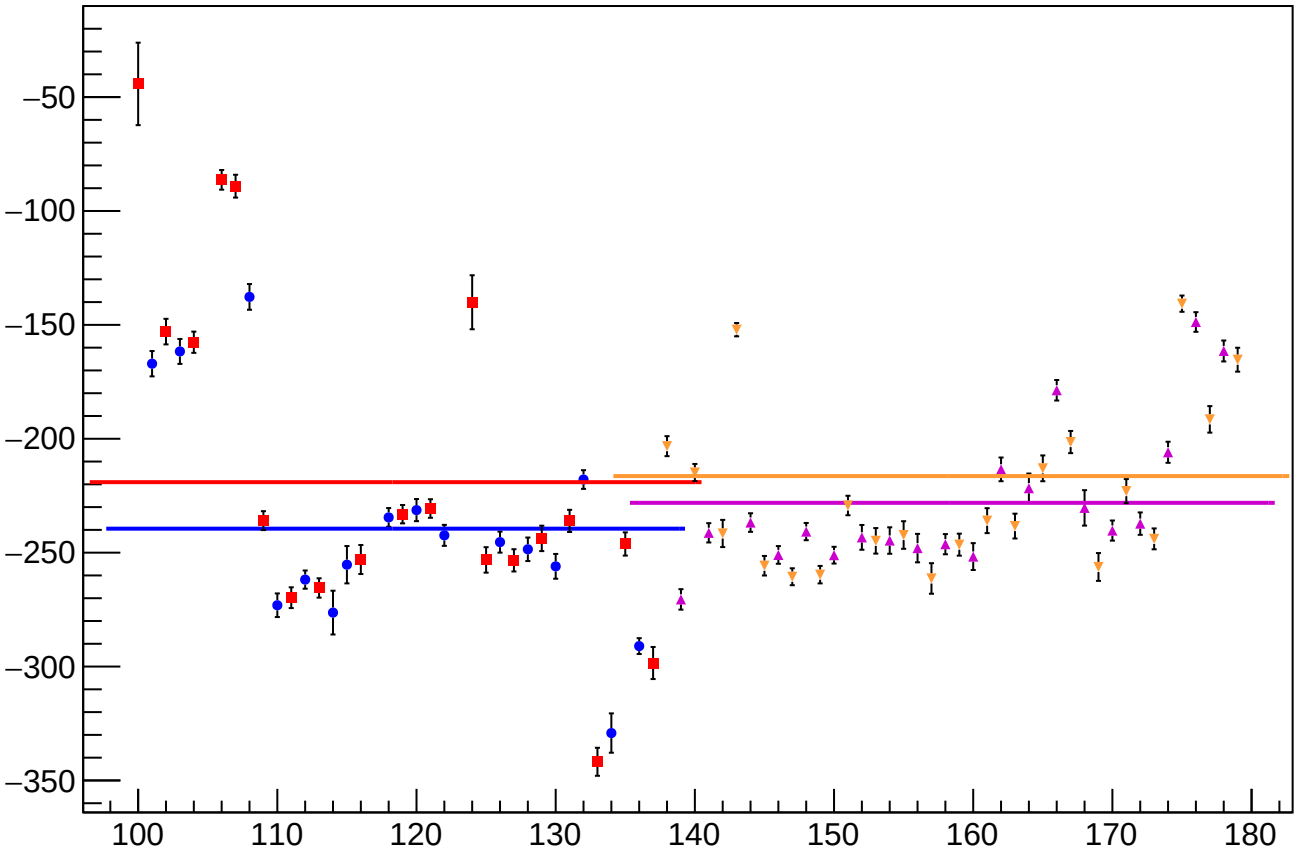
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.159+/-0.762 χ^2/NDF:2660.4/35

Out: 183.467+/-0.712 χ^2/NDF:4605.0/40

All: 190.320+/-0.520 χ^2/NDF: 7464.0/76


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -0.679+/-0.699 χ²/NDF:353.4/21
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: 0.861+/-0.758 χ²/NDF:329.7/19
Left: 0.029+/-0.514 χ²/NDF: 685.3/41
Right: 6.530+/-0.768 χ²/NDF: 538.9/34
In: 3.102+/-0.626 χ²/NDF:590.3/35
Out: 1.110+/-0.584 χ²/NDF:678.0/40
All: 2.037+/-0.427 χ²/NDF: 1273.7/76



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

Left: -221.878+/-0.717 χ^2/NDF: 2709.7/41

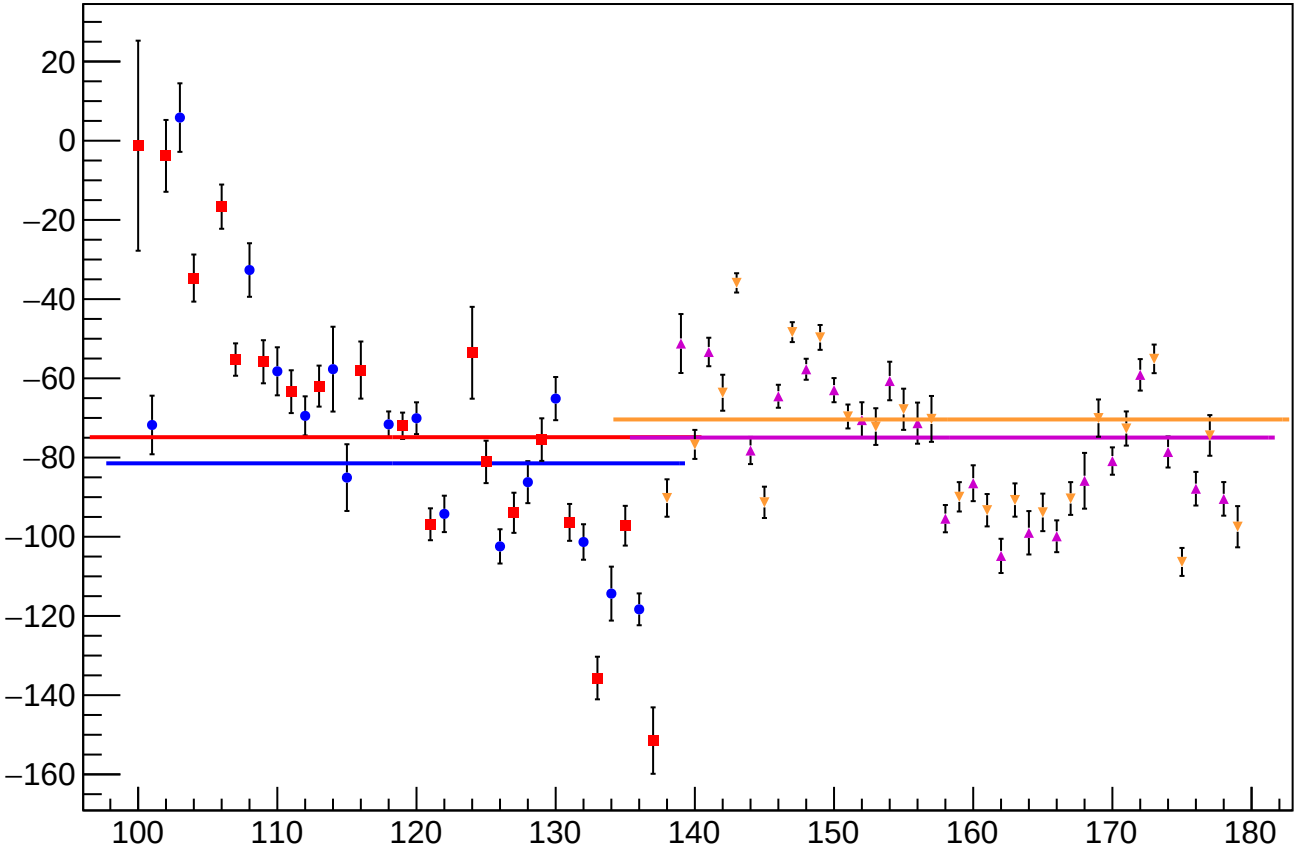
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -232.824+/-0.802 χ^2/NDF:2171.1/35

Out: -217.480+/-0.754 χ^2/NDF:4734.9/40

All: -224.684+/-0.549 χ^2/NDF: 7100.4/76

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

Left: -72.504+/-0.597 χ^2/NDF: 986.7/41

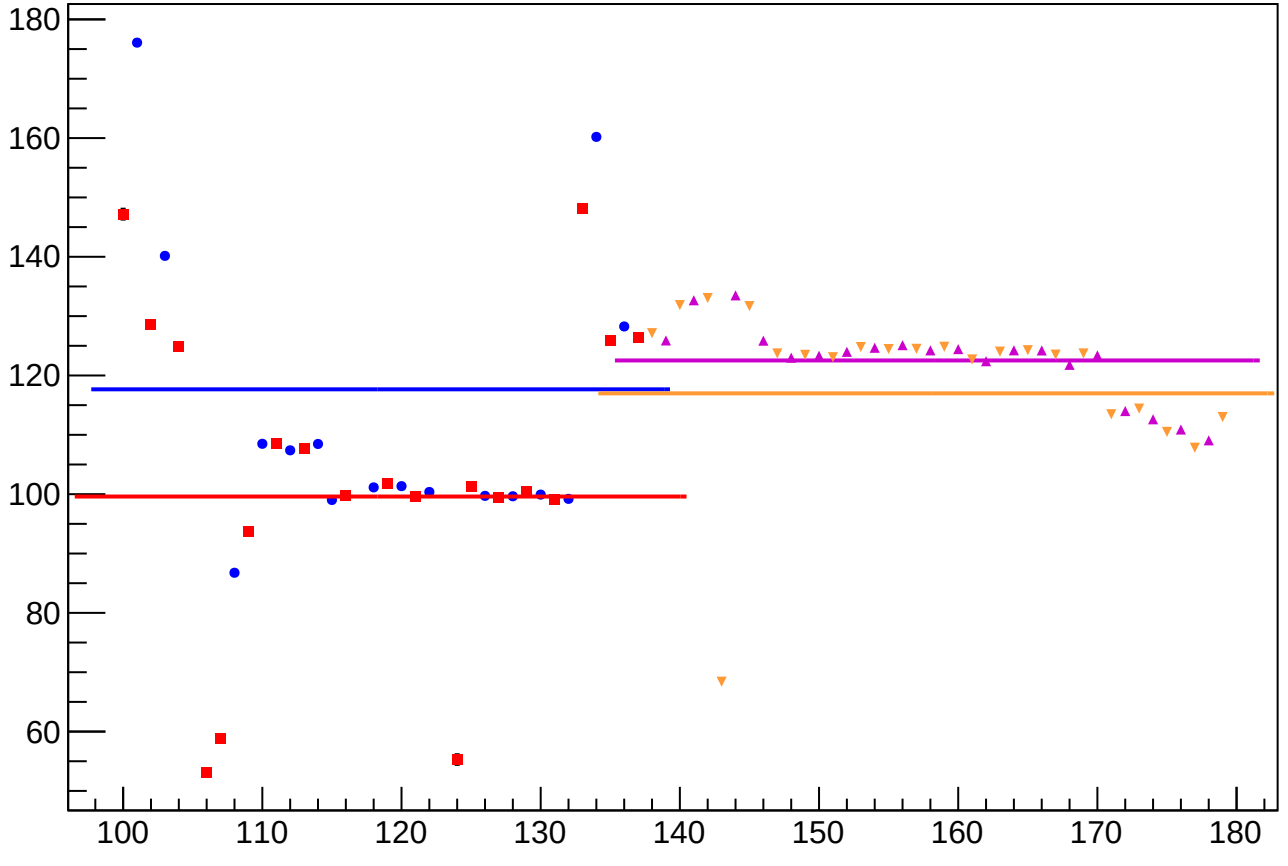
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.016+/-0.724 χ^2/NDF:703.9/35

Out: -71.749+/-0.679 χ^2/NDF:1238.0/40

All: -74.215+/-0.495 χ^2/NDF: 1970.0/76

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

Left: 119.644+/-0.028 χ^2/NDF: 236587.8/41

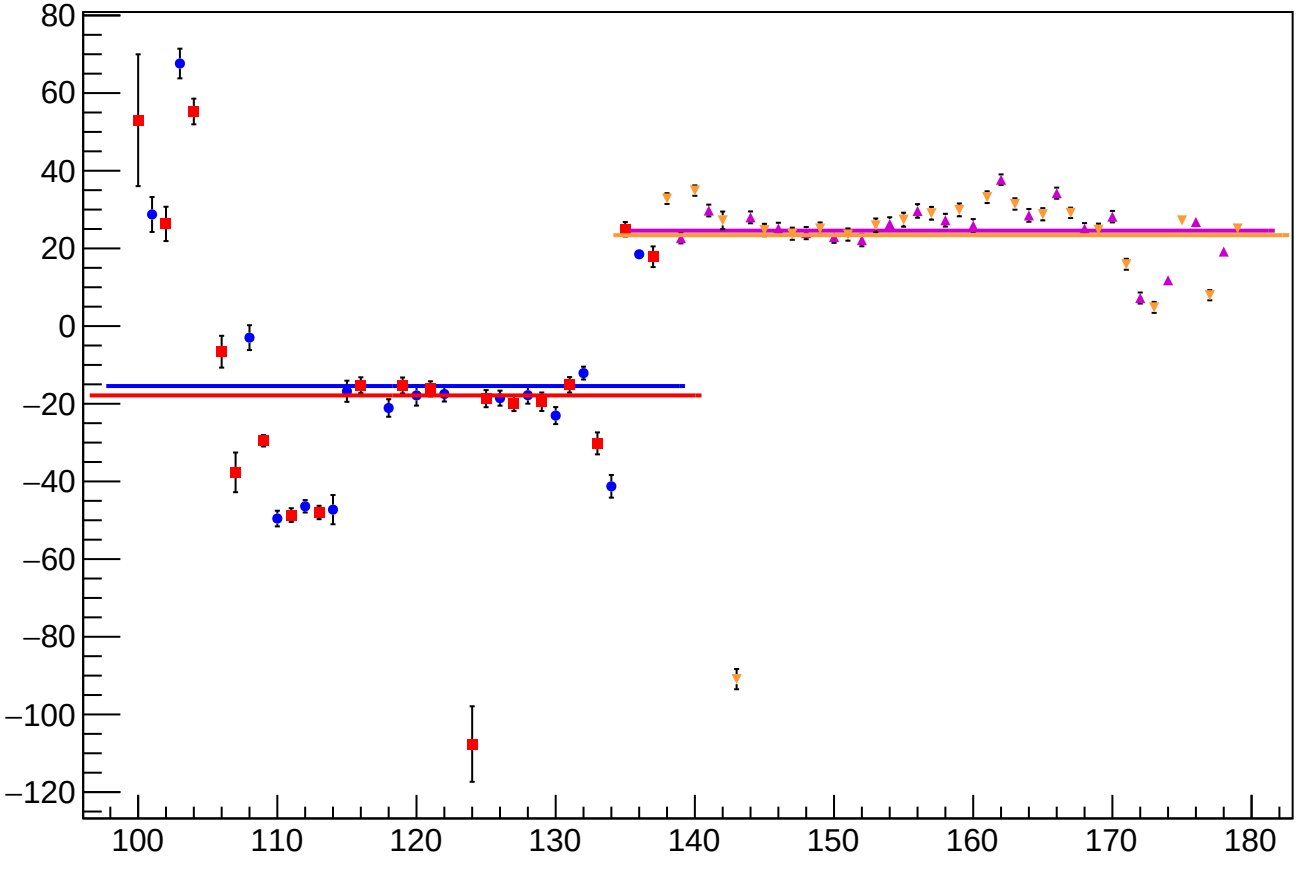
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.522+/-0.036 χ^2/NDF:121728.5/35

Out: 112.993+/-0.034 χ^2/NDF:416654.8/40

All: 117.019+/-0.024 χ^2/NDF: 568619.2/76

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.414+/-0.316 χ^2/NDF:2531.7/21

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.575+/-0.324 χ^2/NDF:468.5/19

Left: 23.979+/-0.226 χ^2/NDF: 3006.8/41

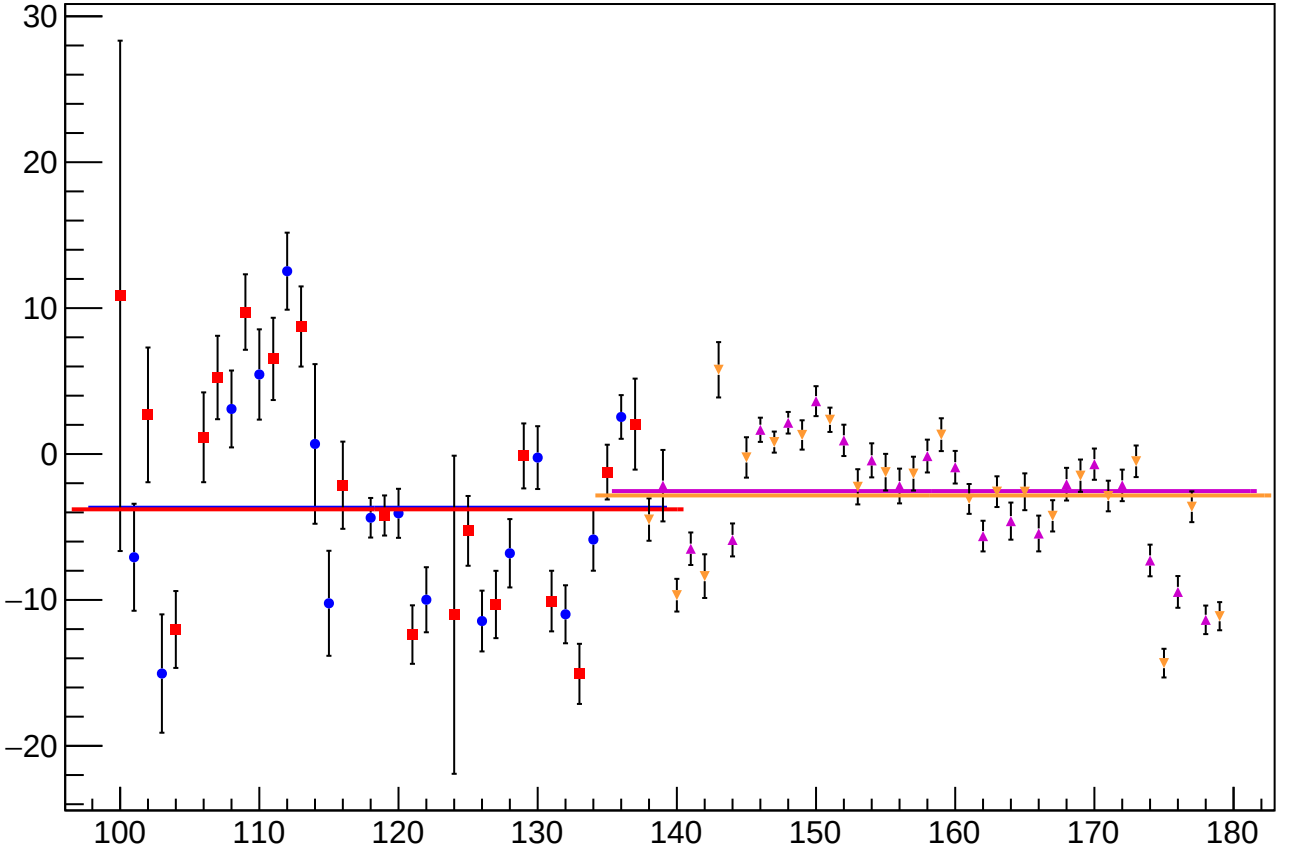
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.932+/-0.278 χ^2/NDF:6637.1/35

Out: 12.576+/-0.271 χ^2/NDF:9132.1/40

All: 13.238+/-0.194 χ^2/NDF: 15781.4/76

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.838+/-0.231 χ^2/NDF:393.9/21

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.540+/-0.240 χ^2/NDF:304.6/19

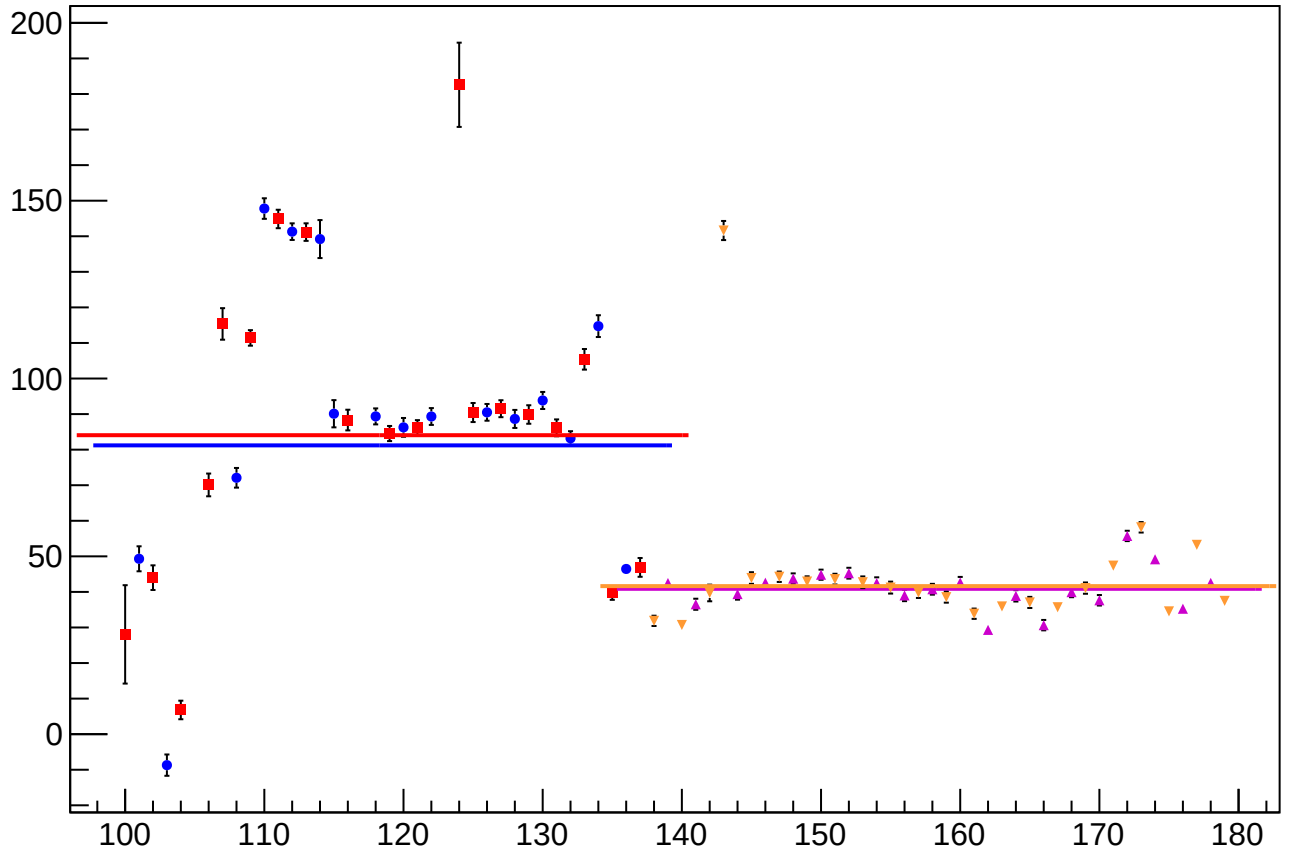
Left: -2.694+/-0.167 χ^2/NDF: 699.4/41

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.721+/-0.220 χ^2/NDF:432.2/35

Out: -2.975+/-0.214 χ^2/NDF:557.6/40

All: -2.852+/-0.154 χ^2/NDF: 990.5/76



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.873+/-0.320 χ^2/NDF:336.2/19

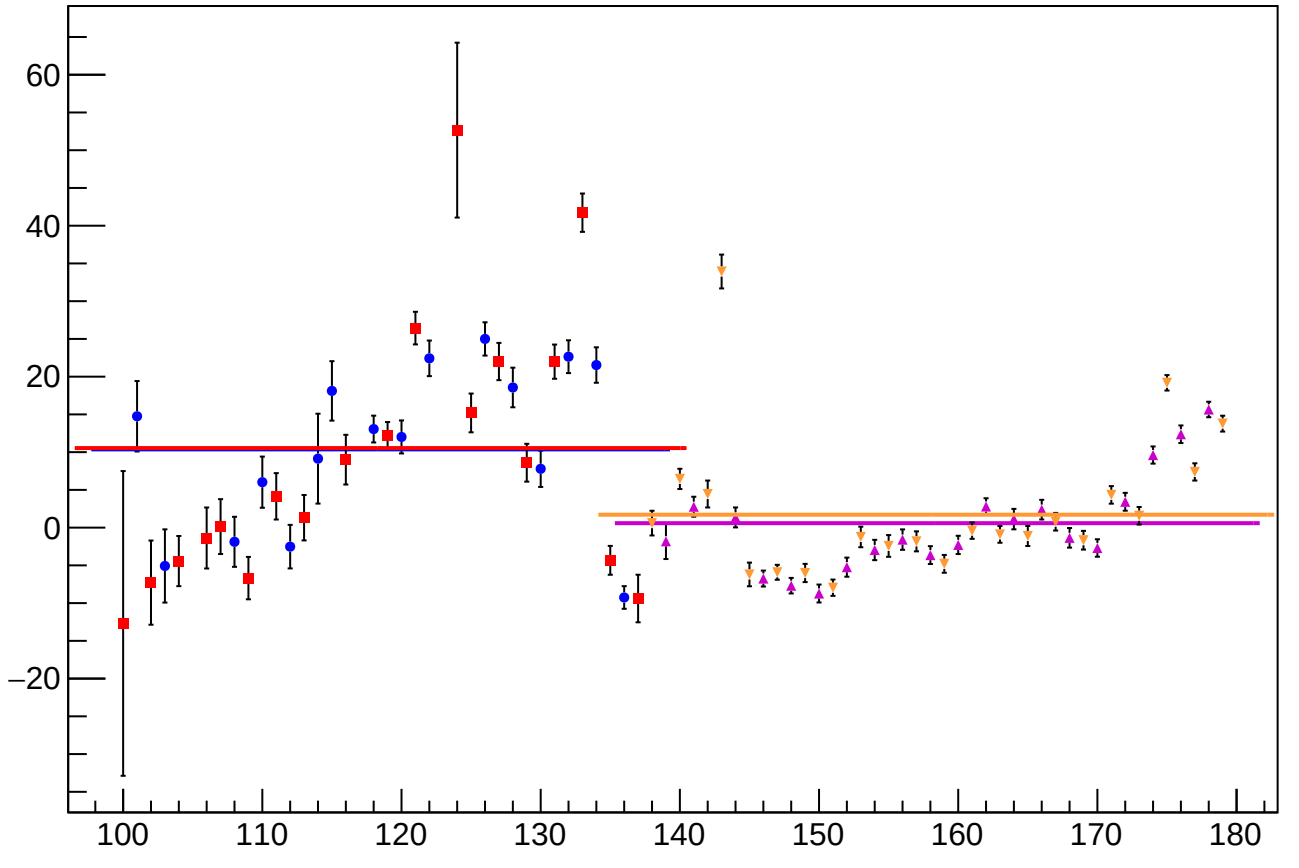
Left: 41.261+/-0.223 χ^2/NDF: 2204.5/41

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 49.626+/-0.283 χ^2/NDF:7022.4/35

Out: 50.237+/-0.278 χ^2/NDF:8851.7/40

All: 49.937+/-0.198 χ^2/NDF: 15876.5/76



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.714+/-0.263 χ^2/NDF:953.5/21

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 0.591+/-0.272 χ^2/NDF:630.7/19

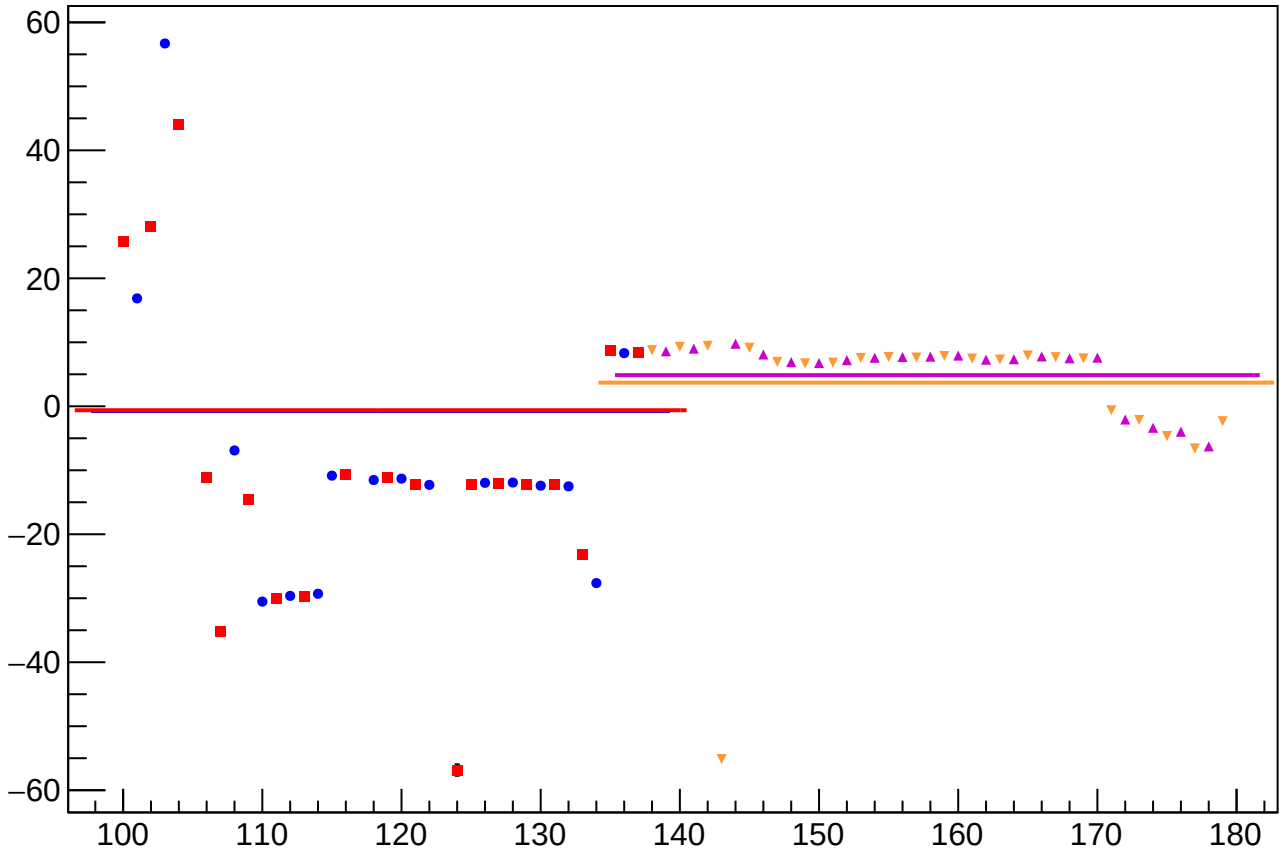
Left: 1.172+/-0.189 χ^2/NDF: 1593.0/41

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.145+/-0.250 χ^2/NDF:1195.2/35

Out: 2.989+/-0.243 χ^2/NDF:1586.8/40

All: 2.578+/-0.174 χ^2/NDF: 2787.9/76



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.700+/-0.012 χ^2/NDF:476608.4/21

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.867+/-0.012 χ^2/NDF:181365.4/19

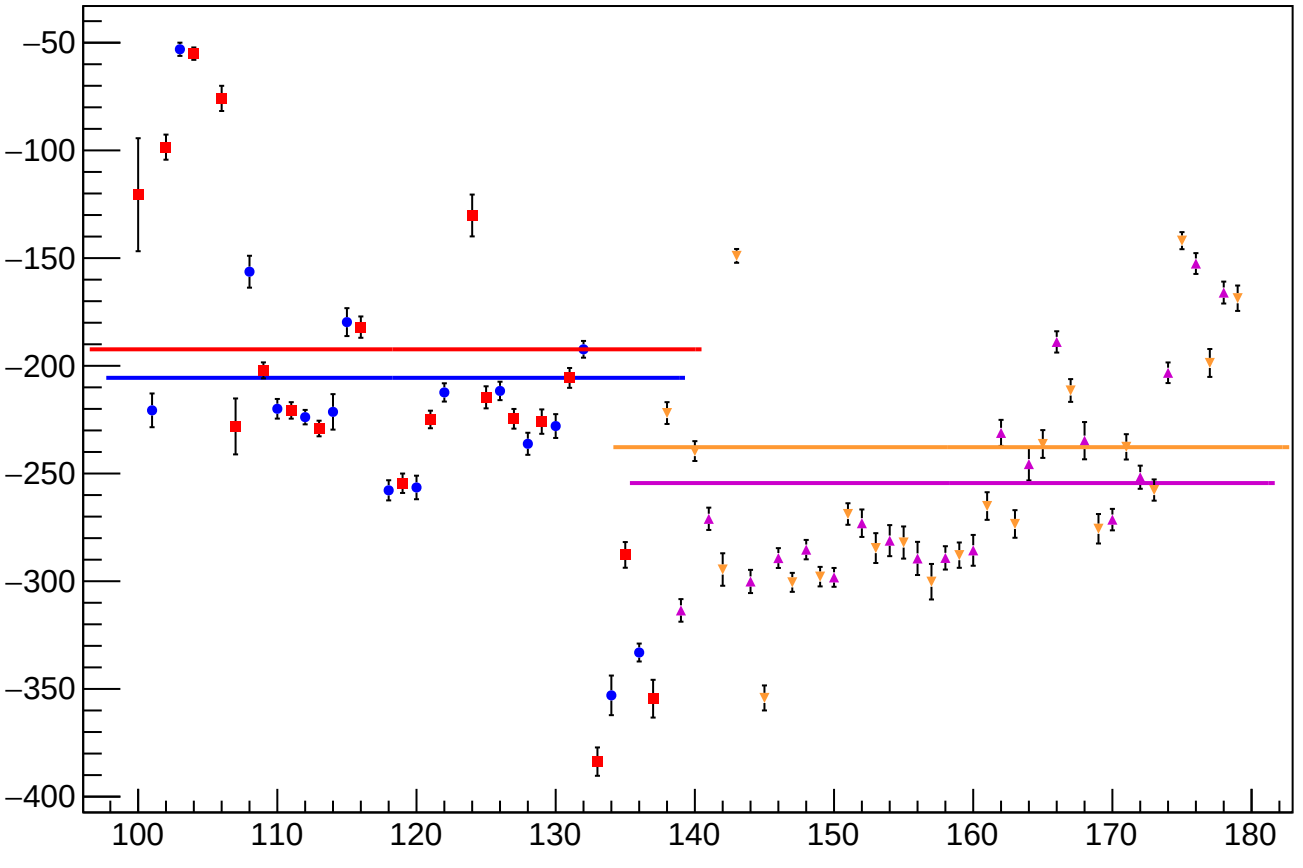
Left: 4.275+/-0.008 χ^2/NDF: 662769.9/41

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.302+/-0.011 χ^2/NDF:571360.8/35

Out: 3.305+/-0.011 χ^2/NDF:805255.1/40

All: 3.799+/-0.008 χ^2/NDF: 1380480.9/76



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -237.768+/-1.140 χ^2/NDF:2743.3/21

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -254.430+/-1.221 χ^2/NDF:1586.8/19

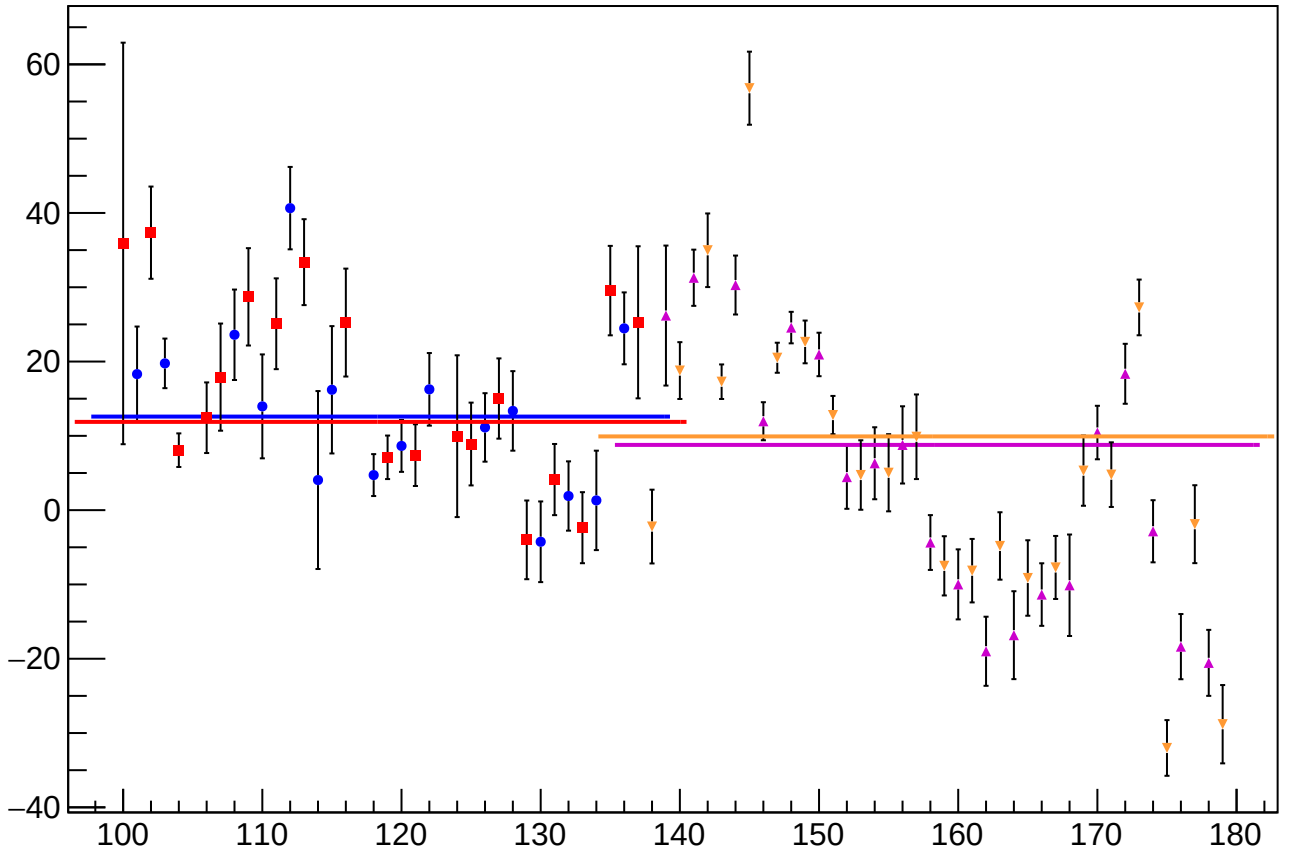
Left: -245.524+/-0.833 χ^2/NDF: 4429.5/41

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -229.258+/-0.850 χ^2/NDF:6467.1/35

Out: -214.706+/-0.800 χ^2/NDF:8519.2/40

All: -221.536+/-0.583 χ^2/NDF: 15141.6/76



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 9.923+/-0.796 χ^2/NDF:475.1/21

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 8.781+/-0.864 χ^2/NDF:352.8/19

Left: 9.399+/-0.585 χ^2/NDF: 828.9/41

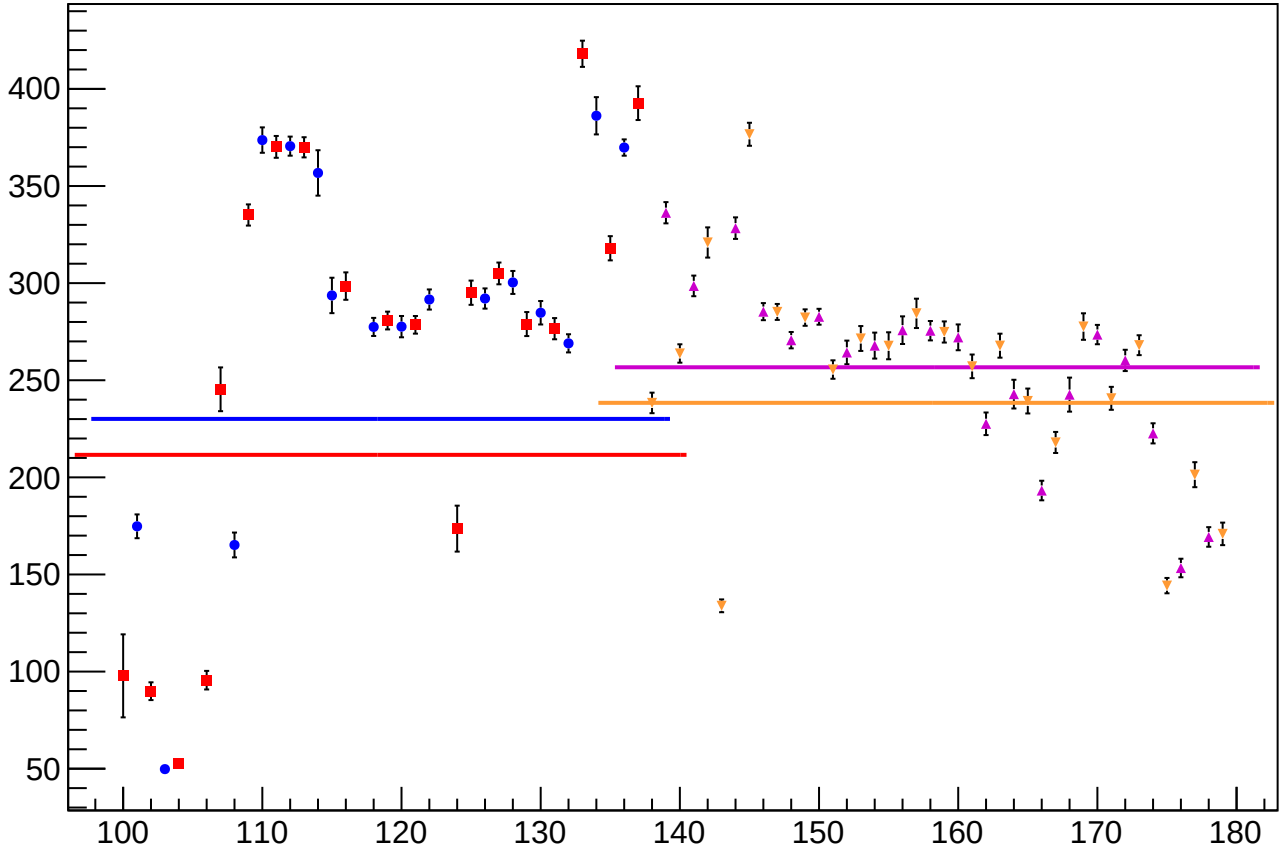
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 10.078+/-0.702 χ^2/NDF:427.9/35

Out: 10.579+/-0.649 χ^2/NDF:562.1/40

All: 10.348+/-0.476 χ^2/NDF: 990.3/76

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 238.370+/-1.124 χ^2/NDF:2916.5/21

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 256.676+/-1.199 χ^2/NDF:1579.6/19

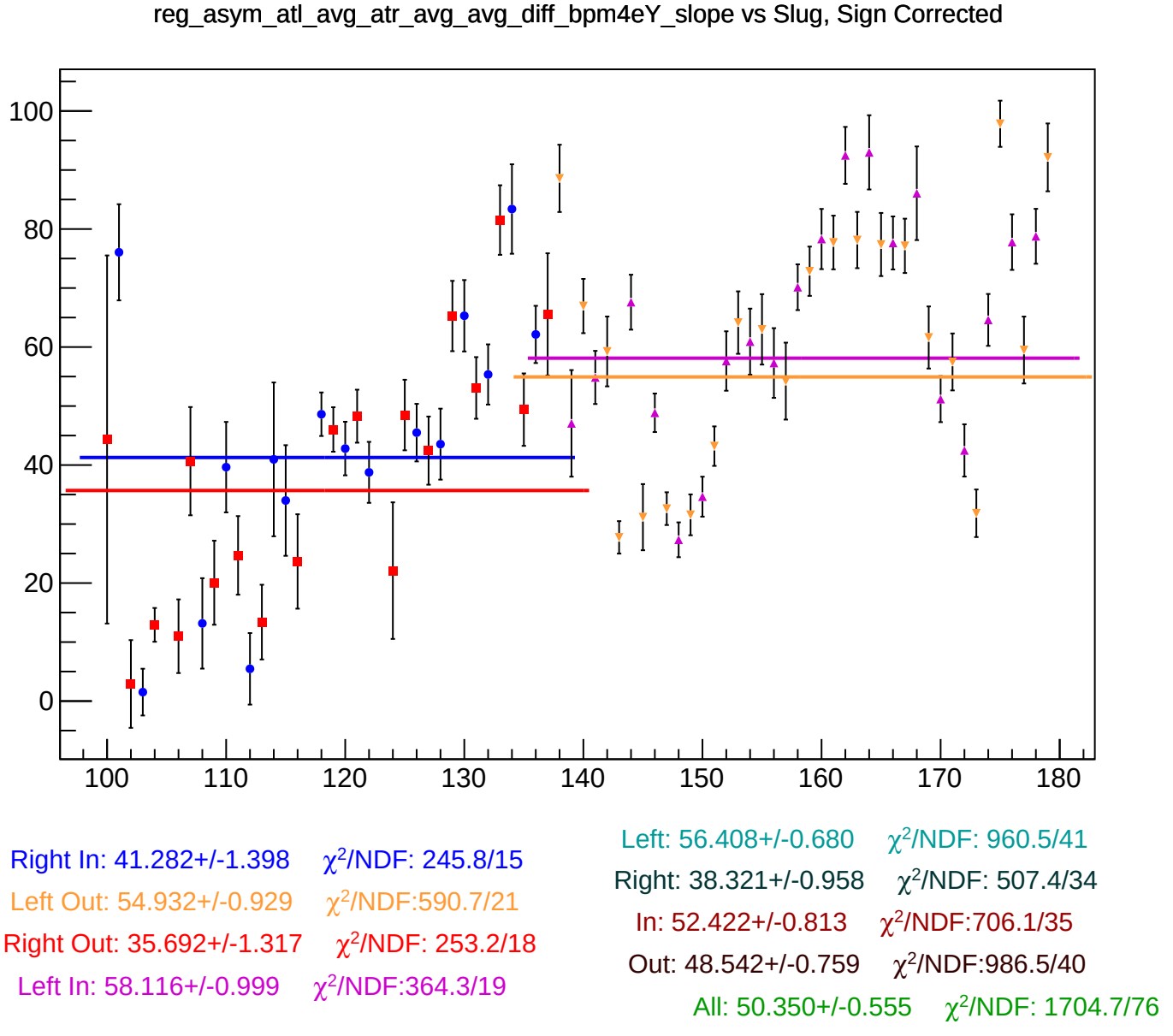
Left: 246.936+/-0.820 χ^2/NDF: 4620.1/41

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

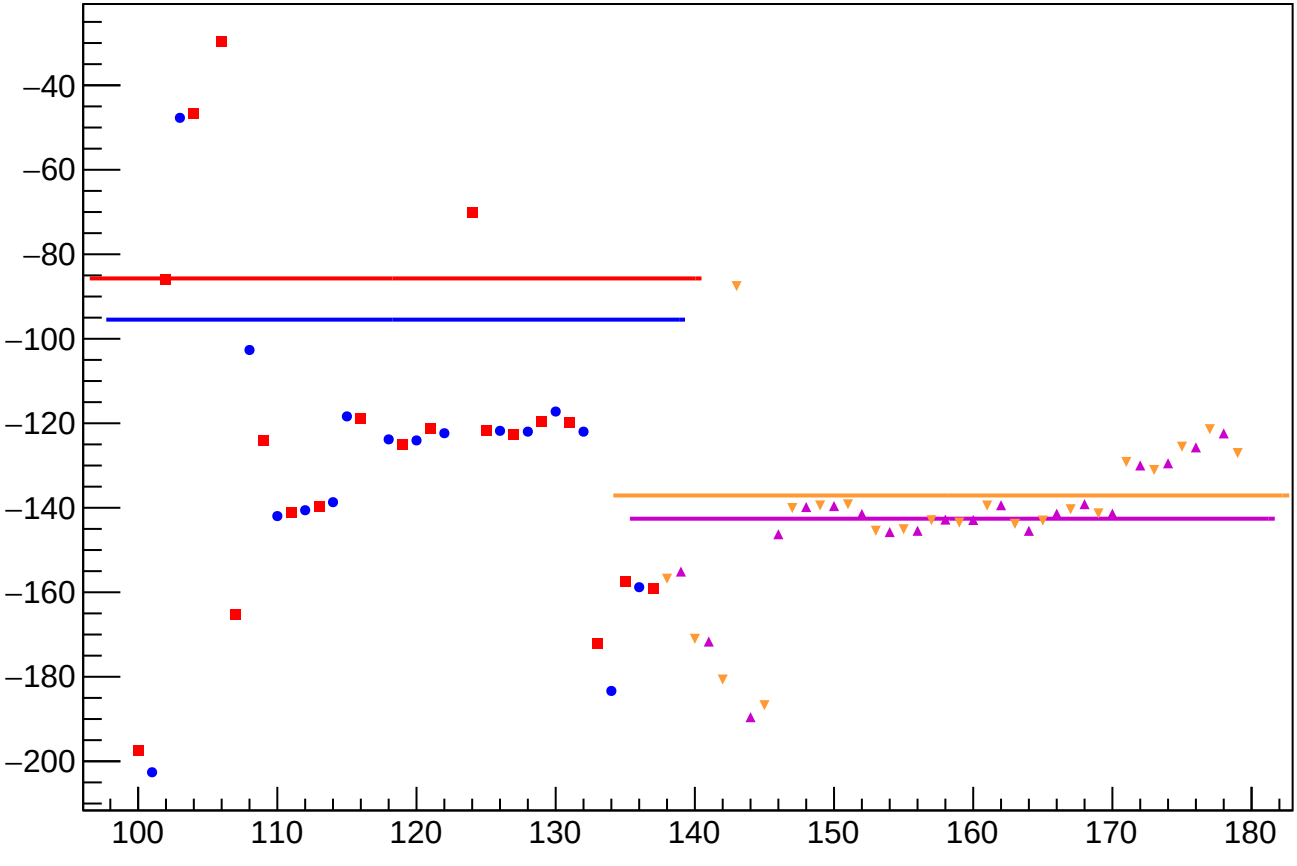
In: 244.040+/-0.868 χ^2/NDF:11188.8/35

Out: 225.797+/-0.819 χ^2/NDF:14655.0/40

All: 234.384+/-0.596 χ^2/NDF: 26077.4/76


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
Right In: 41.282+/-1.398 χ²/NDF: 245.8/15
Left Out: 54.932+/-0.929 χ²/NDF:590.7/21
Right Out: 35.692+/-1.317 χ²/NDF: 253.2/18
Left In: 58.116+/-0.999 χ²/NDF:364.3/19
Left: 56.408+/-0.680 χ²/NDF: 960.5/41
Right: 38.321+/-0.958 χ²/NDF: 507.4/34
In: 52.422+/-0.813 χ²/NDF:706.1/35
Out: 48.542+/-0.759 χ²/NDF:986.5/40
All: 50.350+/-0.555 χ²/NDF: 1704.7/76

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.086+/-0.044 χ^2/NDF:247496.8/21

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -142.584+/-0.046 χ^2/NDF:84177.1/19

Left: -139.722+/-0.032 χ^2/NDF: 339197.5/41

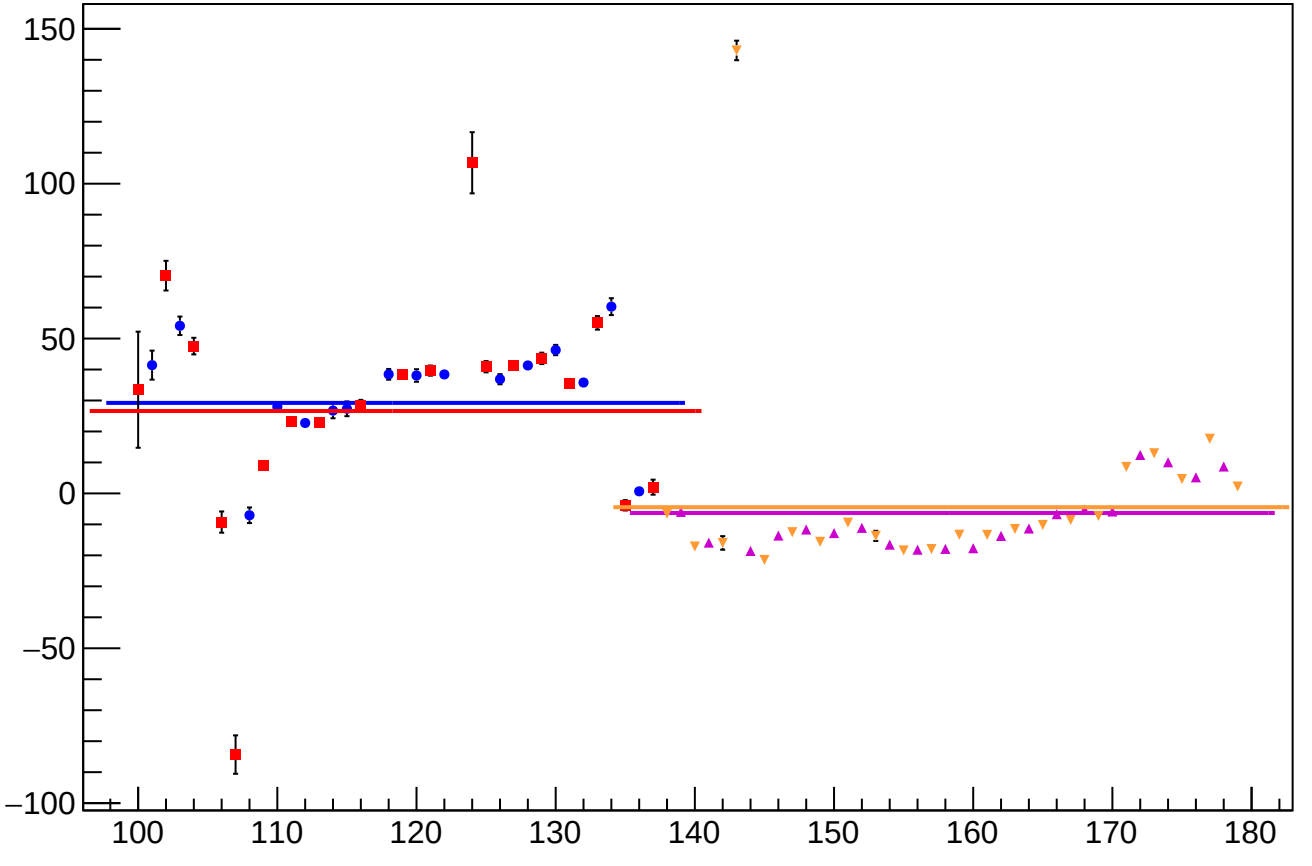
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.333+/-0.038 χ^2/NDF:925151.4/35

Out: -121.649+/-0.037 χ^2/NDF:1141923.0/40

All: -124.858+/-0.026 χ^2/NDF: 2082995.6/76

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -4.451+/-0.296 χ^2/NDF:3561.6/21

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -6.315+/-0.304 χ^2/NDF:1136.0/19

Left: -5.361+/-0.212 χ^2/NDF: 4716.9/41

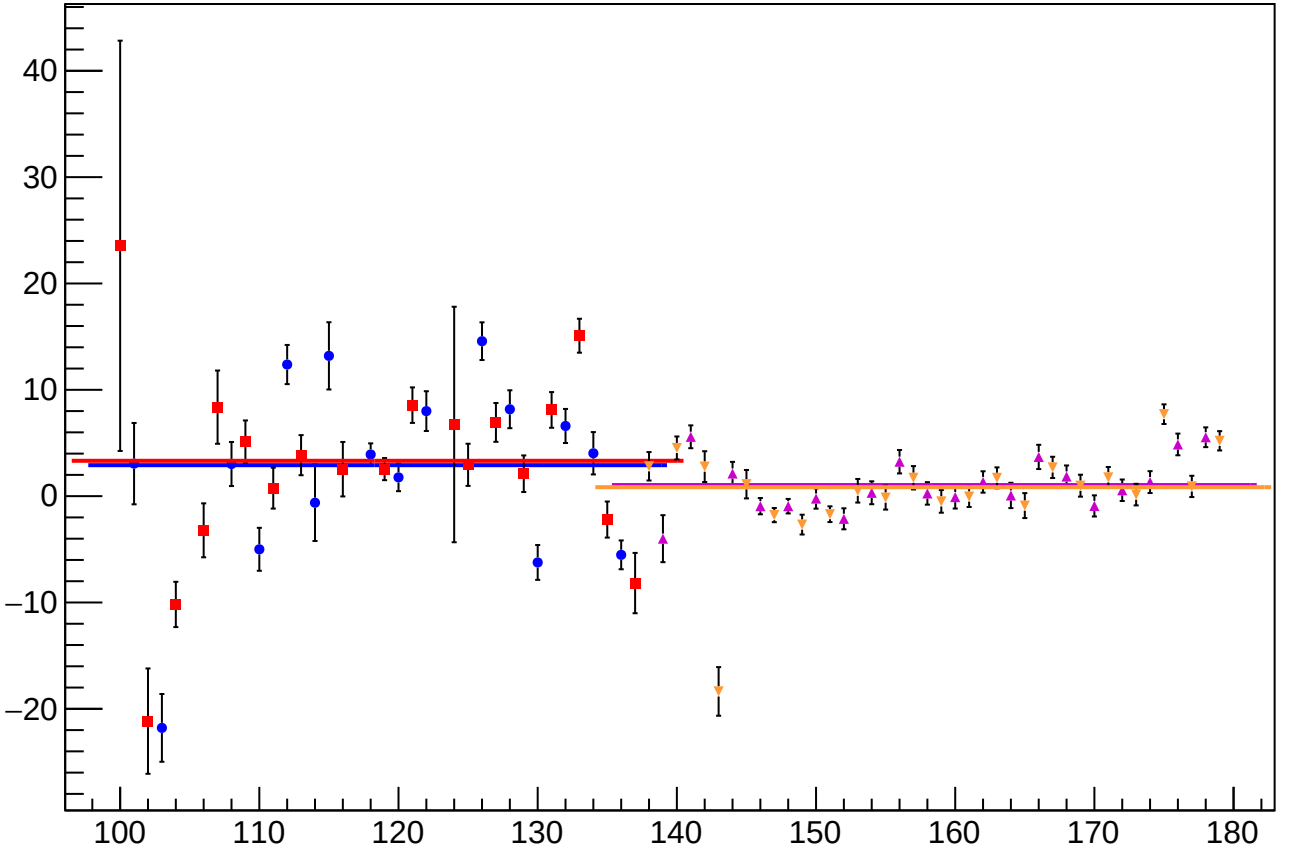
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.724+/-0.247 χ^2/NDF:7120.1/35

Out: 6.074+/-0.241 χ^2/NDF:9202.0/40

All: 5.903+/-0.172 χ^2/NDF: 16323.1/76

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.842+/-0.217 χ^2/NDF:217.7/21

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.045+/-0.225 χ^2/NDF:105.8/19

Left: 0.940+/-0.156 χ^2/NDF: 323.9/41

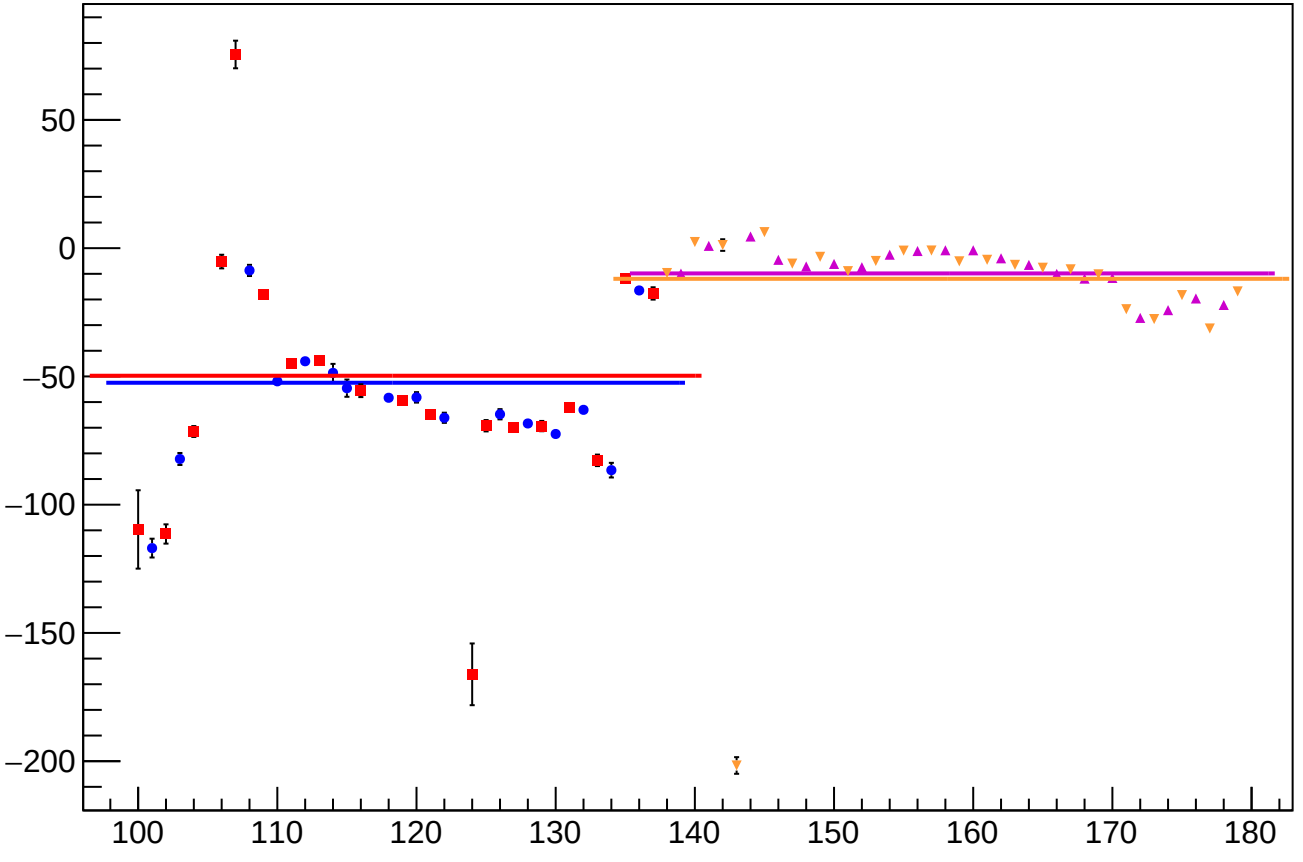
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.428+/-0.200 χ^2/NDF:369.9/35

Out: 1.303+/-0.195 χ^2/NDF:423.9/40

All: 1.364+/-0.140 χ^2/NDF: 794.0/76

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -9.843+/-0.299 χ^2/NDF:847.2/19

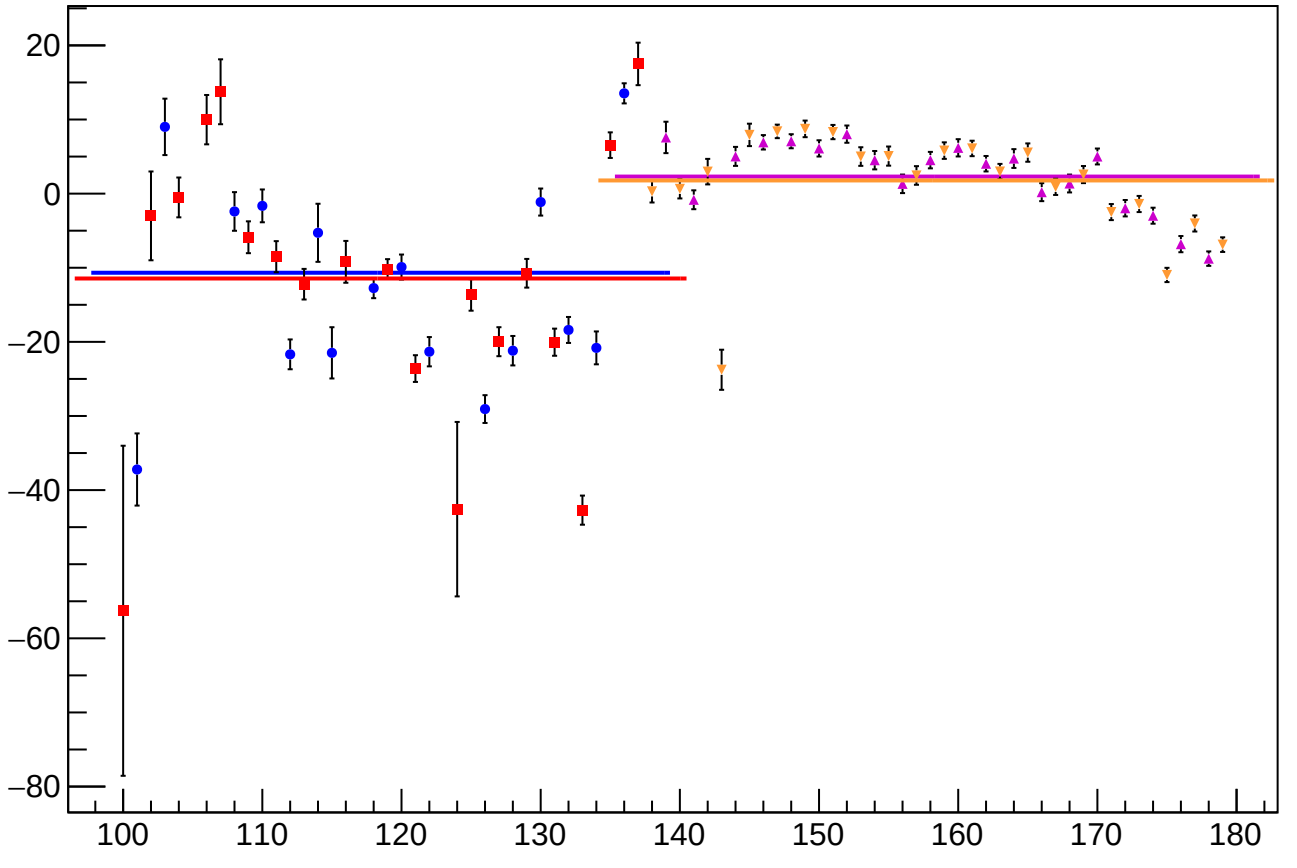
Left: -10.923+/-0.209 χ^2/NDF: 5388.1/41

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.485+/-0.255 χ^2/NDF:8727.6/35

Out: -21.699+/-0.251 χ^2/NDF:11865.2/40

All: -21.594+/-0.179 χ^2/NDF: 20593.2/76



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 1.779+/-0.246 χ^2/NDF:605.6/21

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.302+/-0.255 χ^2/NDF:373.5/19

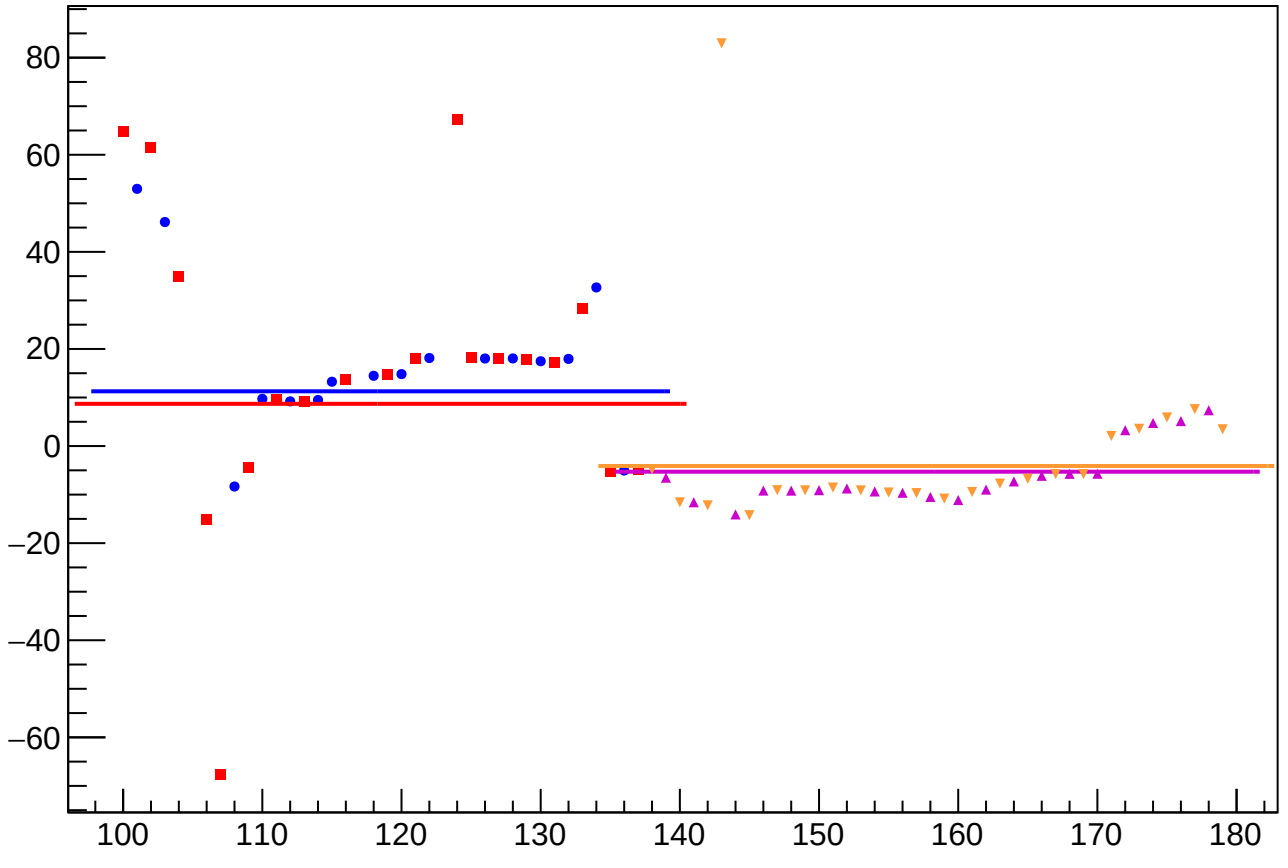
Left: 2.031+/-0.177 χ^2/NDF: 981.3/41

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.333+/-0.228 χ^2/NDF:1565.2/35

Out: -0.678+/-0.222 χ^2/NDF:1806.4/40

All: -0.510+/-0.159 χ^2/NDF: 3372.8/76



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.104+/-0.011 χ^2/NDF:756805.3/21

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -5.284+/-0.011 χ^2/NDF:306856.2/19

Left: -4.686+/-0.008 χ^2/NDF: 1069259.6/41

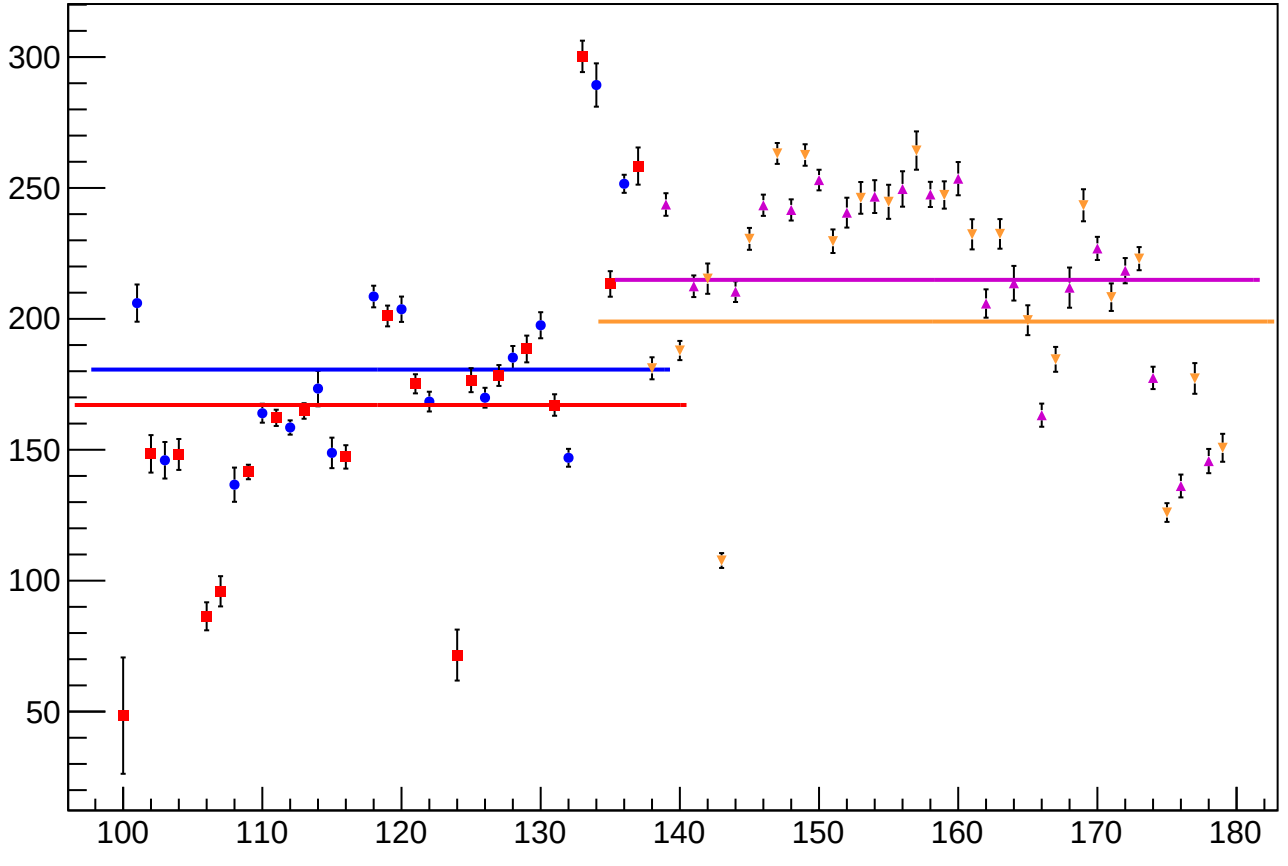
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.242+/-0.011 χ^2/NDF:924758.6/35

Out: -2.690+/-0.010 χ^2/NDF:1340628.6/40

All: -2.964+/-0.007 χ^2/NDF: 2266777.0/76

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.976+/-0.994 χ^2/NDF:2619.9/21

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

Left: 206.387+/-0.727 χ^2/NDF: 3900.7/41

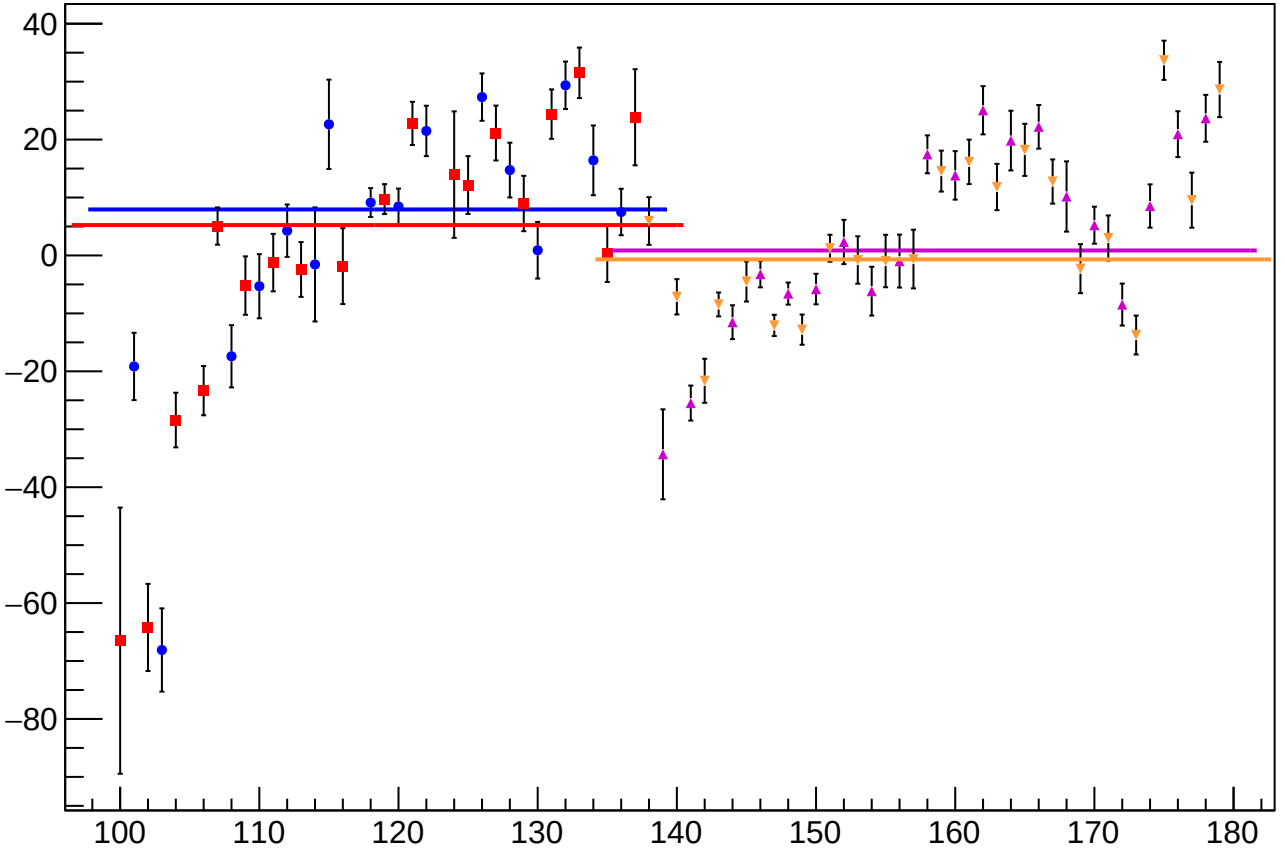
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.159+/-0.762 χ^2/NDF:2660.4/35

Out: 183.467+/-0.712 χ^2/NDF:4605.0/40

All: 190.320+/-0.520 χ^2/NDF: 7464.0/76

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -0.679+/-0.699 χ^2/NDF:353.4/21

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

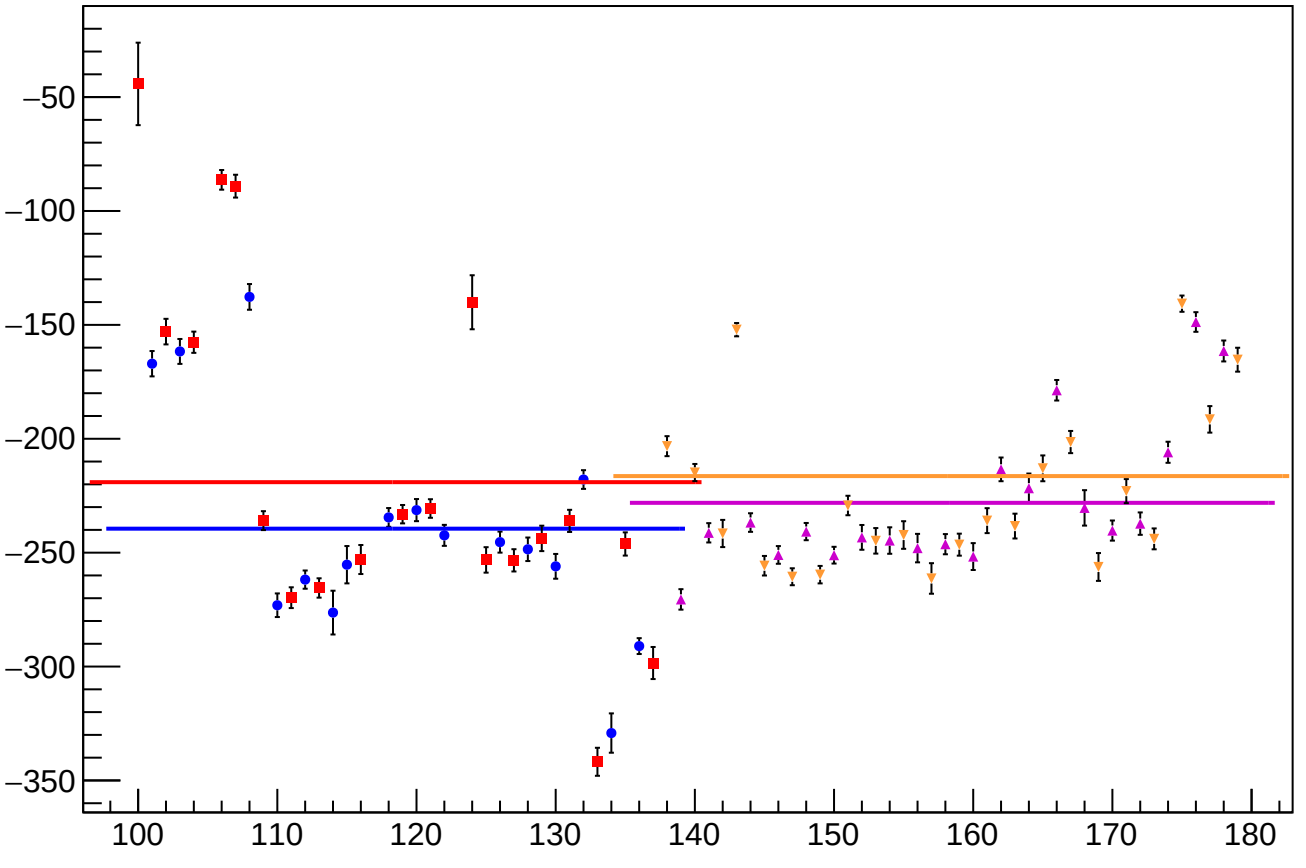
Left: 0.029+/-0.514 χ^2/NDF: 685.3/41

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.102+/-0.626 χ^2/NDF:590.3/35

Out: 1.110+/-0.584 χ^2/NDF:678.0/40

All: 2.037+/-0.427 χ^2/NDF: 1273.7/76



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

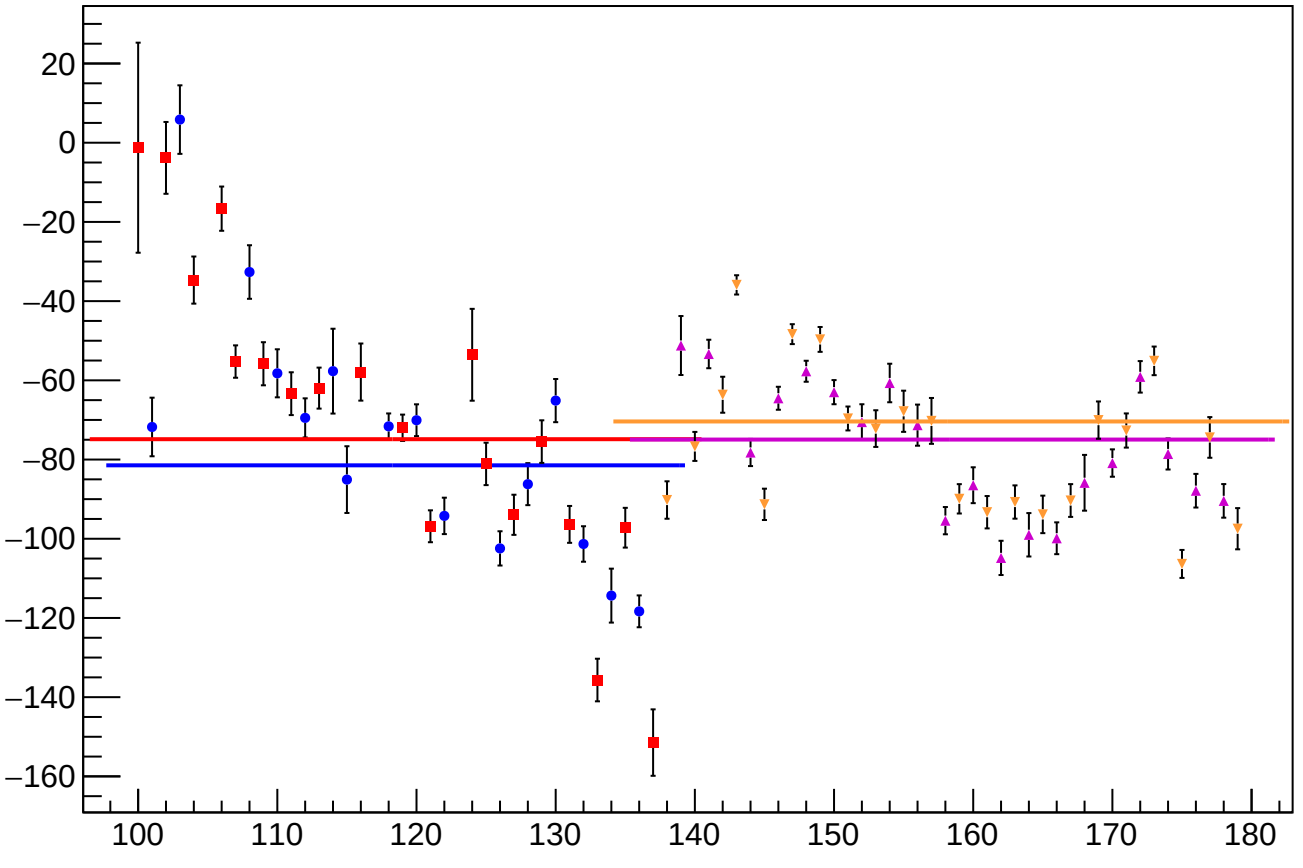
Left: -221.878+/-0.717 χ^2/NDF: 2709.7/41

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -232.824+/-0.802 χ^2/NDF:2171.1/35

Out: -217.480+/-0.754 χ^2/NDF:4734.9/40

All: -224.684+/-0.549 χ^2/NDF: 7100.4/76



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

Left: -72.504+/-0.597 χ^2/NDF: 986.7/41

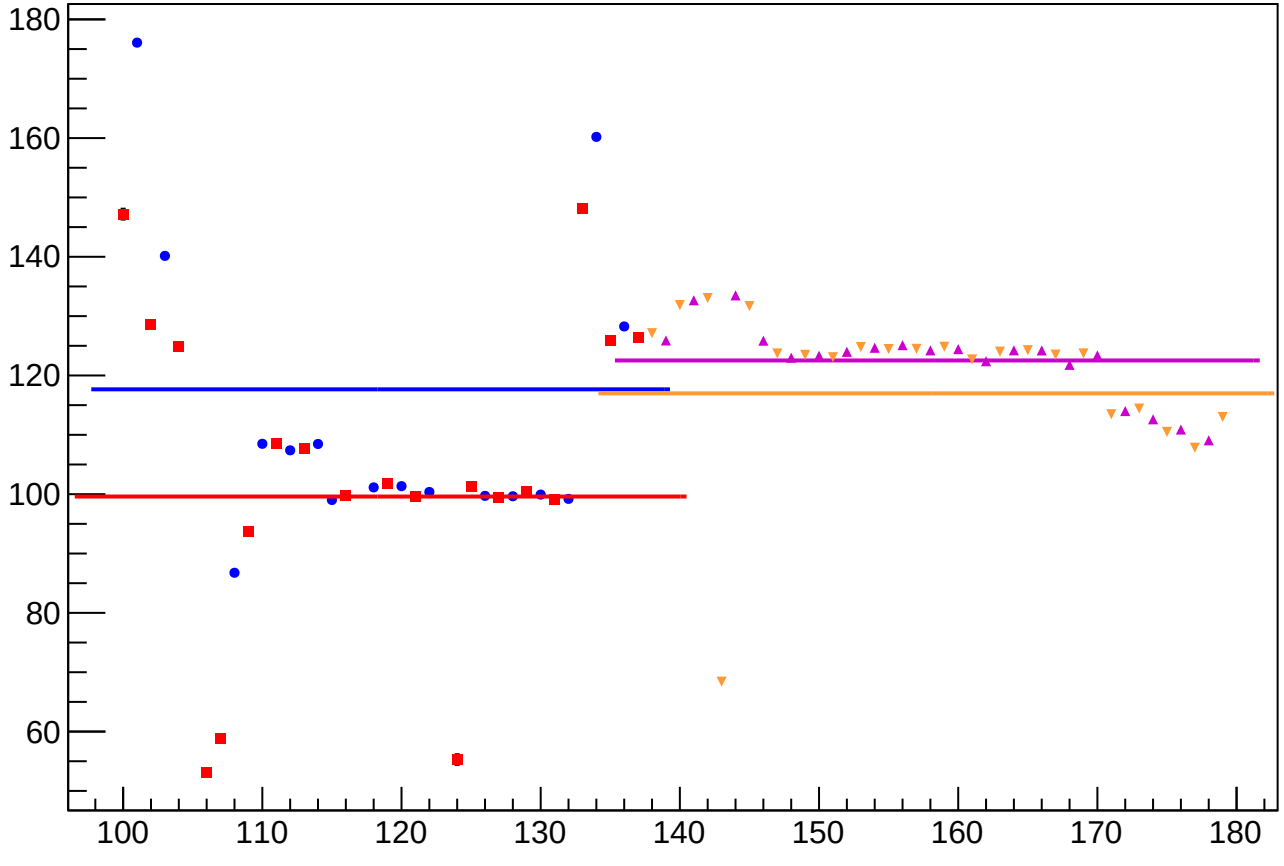
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.016+/-0.724 χ^2/NDF:703.9/35

Out: -71.749+/-0.679 χ^2/NDF:1238.0/40

All: -74.215+/-0.495 χ^2/NDF: 1970.0/76

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

Left: 119.644+/-0.028 χ^2/NDF: 236587.8/41

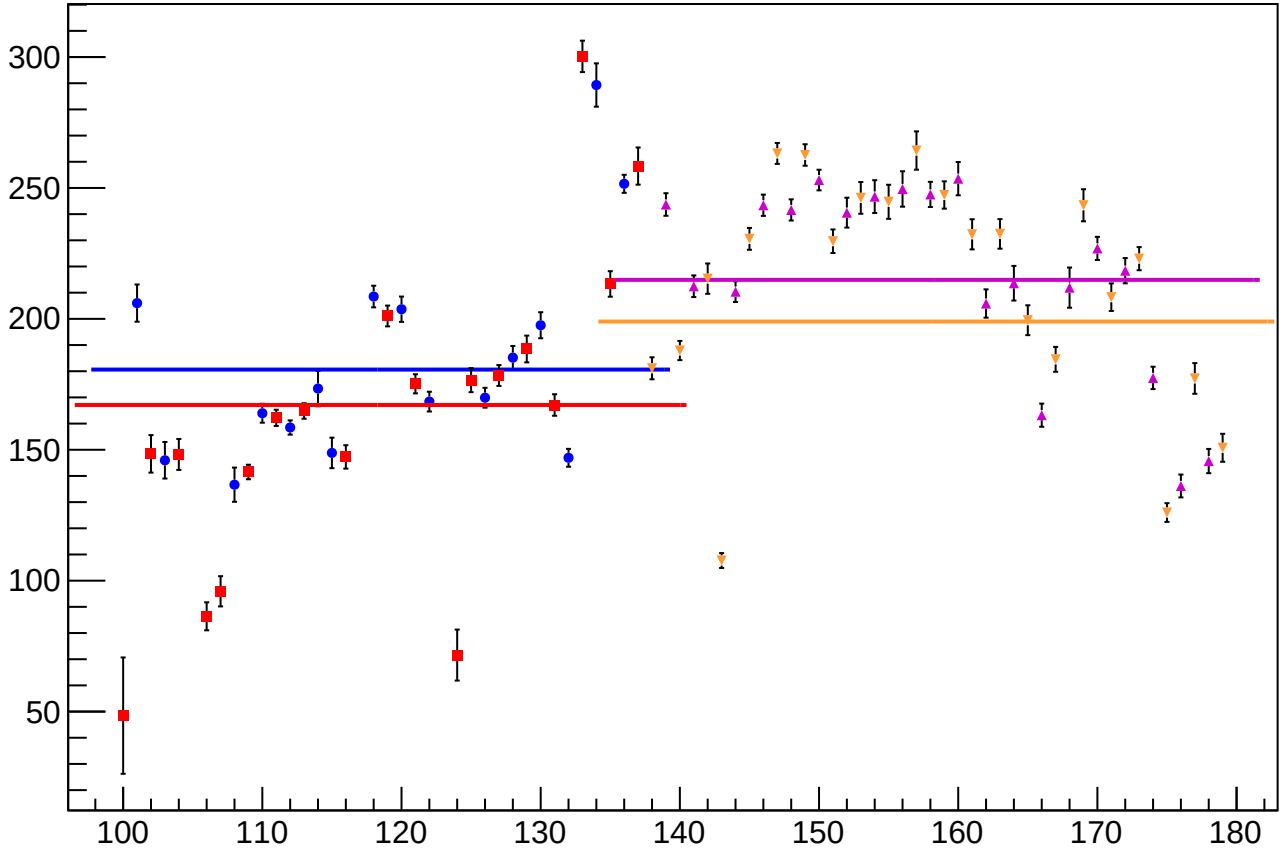
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.522+/-0.036 χ^2/NDF:121728.5/35

Out: 112.993+/-0.034 χ^2/NDF:416654.8/40

All: 117.019+/-0.024 χ^2/NDF: 568619.2/76

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.976+/-0.994 χ^2/NDF:2619.9/21

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 214.897+/-1.065 χ^2/NDF:1161.3/19

Left: 206.387+/-0.727 χ^2/NDF: 3900.7/41

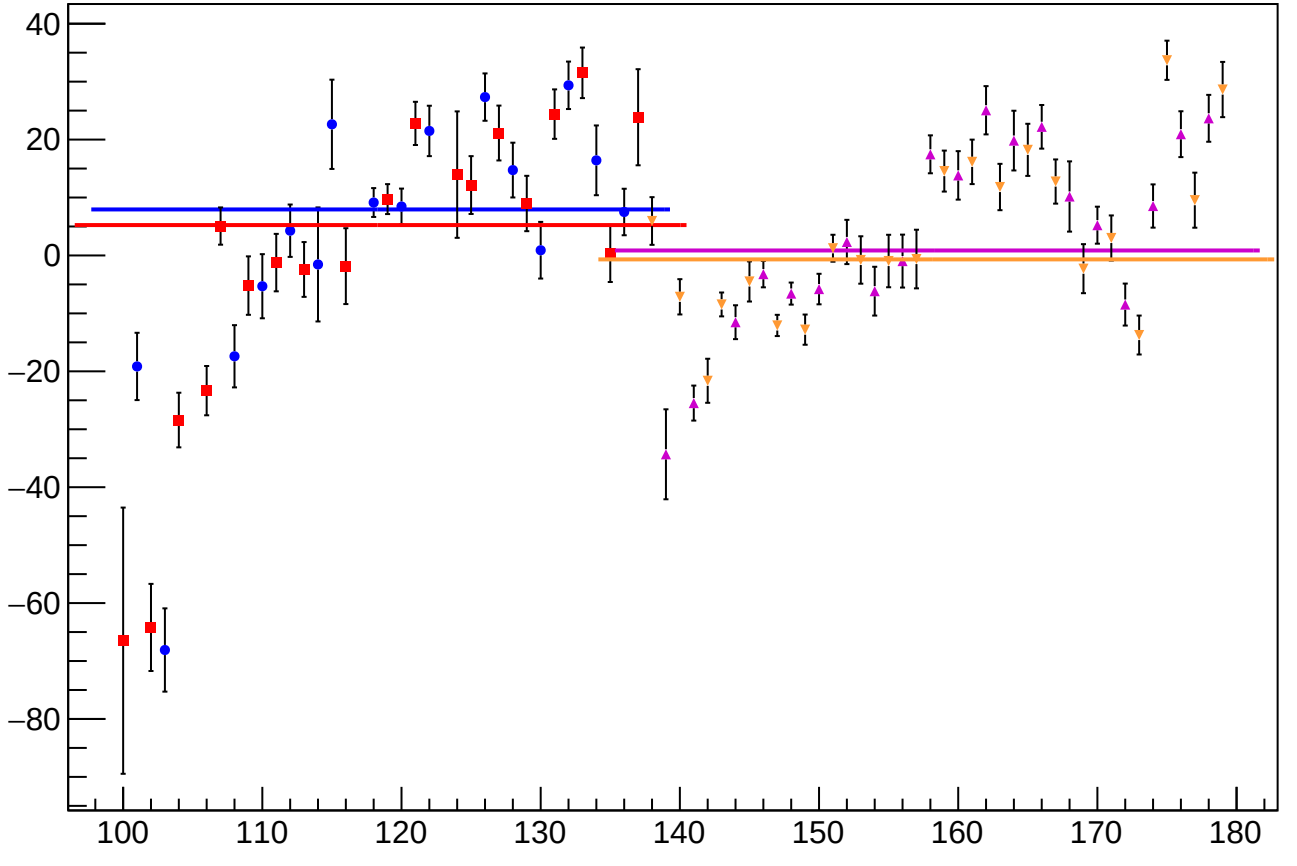
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.159+/-0.762 χ^2/NDF:2660.4/35

Out: 183.467+/-0.712 χ^2/NDF:4605.0/40

All: 190.320+/-0.520 χ^2/NDF: 7464.0/76

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -0.679+/-0.699 χ^2/NDF:353.4/21

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Left In: 0.861+/-0.758 χ^2/NDF:329.7/19

Left: 0.029+/-0.514 χ^2/NDF: 685.3/41

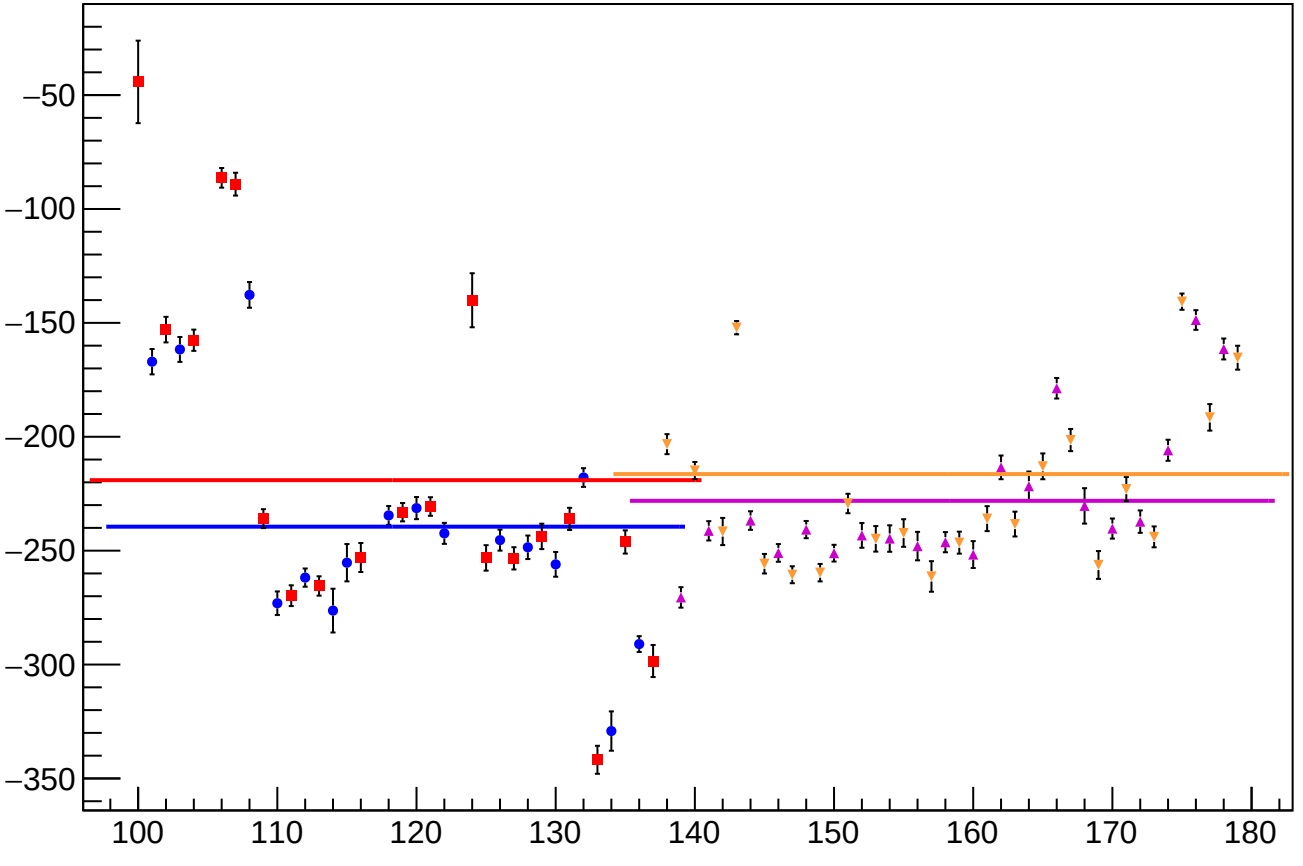
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.102+/-0.626 χ^2/NDF:590.3/35

Out: 1.110+/-0.584 χ^2/NDF:678.0/40

All: 2.037+/-0.427 χ^2/NDF: 1273.7/76

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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Left Out: -216.383+/-0.983 χ^2/NDF:1682.6/21

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

Left: -221.878+/-0.717 χ^2/NDF: 2709.7/41

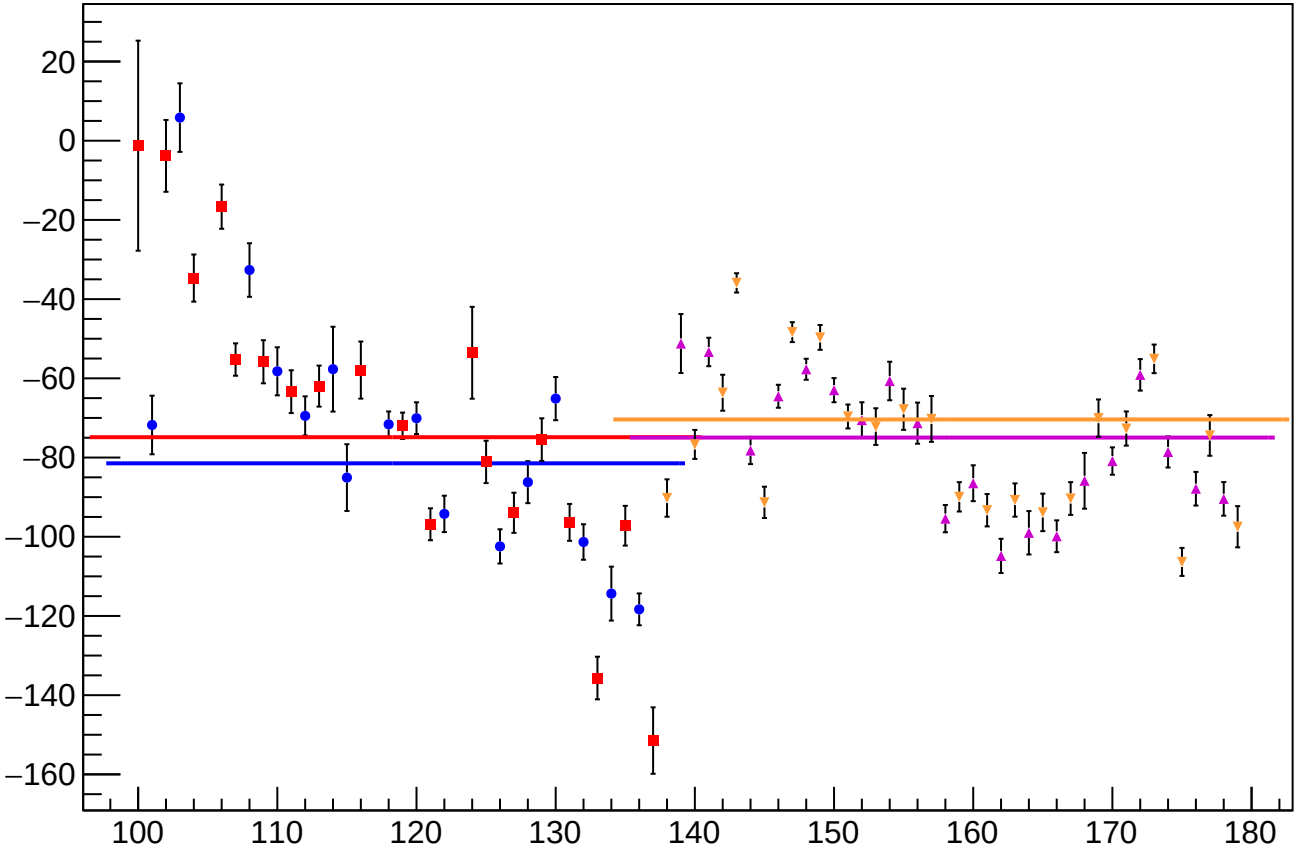
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -232.824+/-0.802 χ^2/NDF:2171.1/35

Out: -217.480+/-0.754 χ^2/NDF:4734.9/40

All: -224.684+/-0.549 χ^2/NDF: 7100.4/76

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -70.383+/-0.815 χ^2/NDF:652.2/21

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

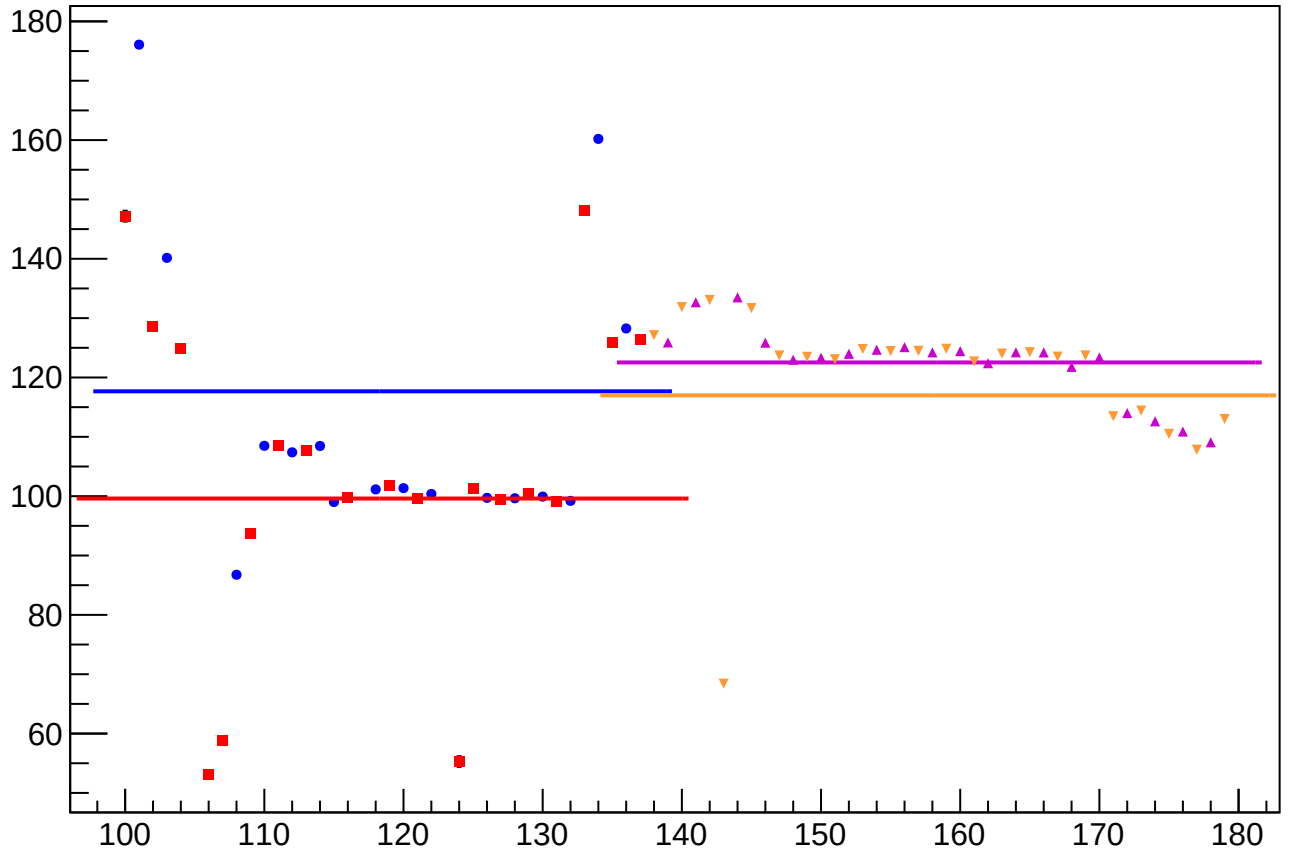
Left: -72.504+/-0.597 χ^2/NDF: 986.7/41

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.016+/-0.724 χ^2/NDF:703.9/35

Out: -71.749+/-0.679 χ^2/NDF:1238.0/40

All: -74.215+/-0.495 χ^2/NDF: 1970.0/76



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.987+/-0.038 χ^2/NDF:203330.5/21

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 122.532+/-0.040 χ^2/NDF:23266.9/19

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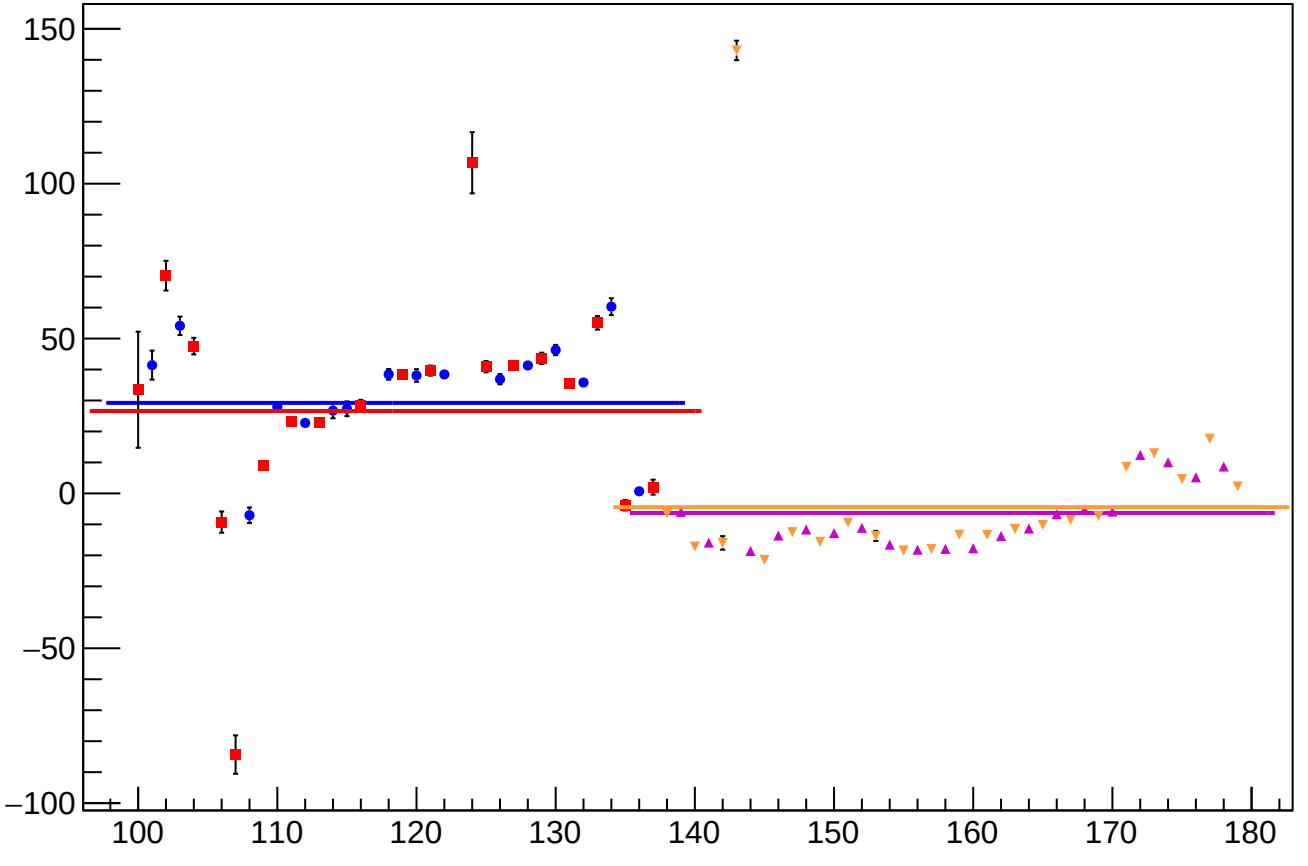
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.522+/-0.036 χ^2/NDF:121728.5/35

Out: 112.993+/-0.034 χ^2/NDF:416654.8/40

All: 117.019+/-0.024 χ^2/NDF: 568619.2/76

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -4.451+/-0.296 χ^2/NDF:3561.6/21

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -6.315+/-0.304 χ^2/NDF:1136.0/19

Left: -5.361+/-0.212 χ^2/NDF: 4716.9/41

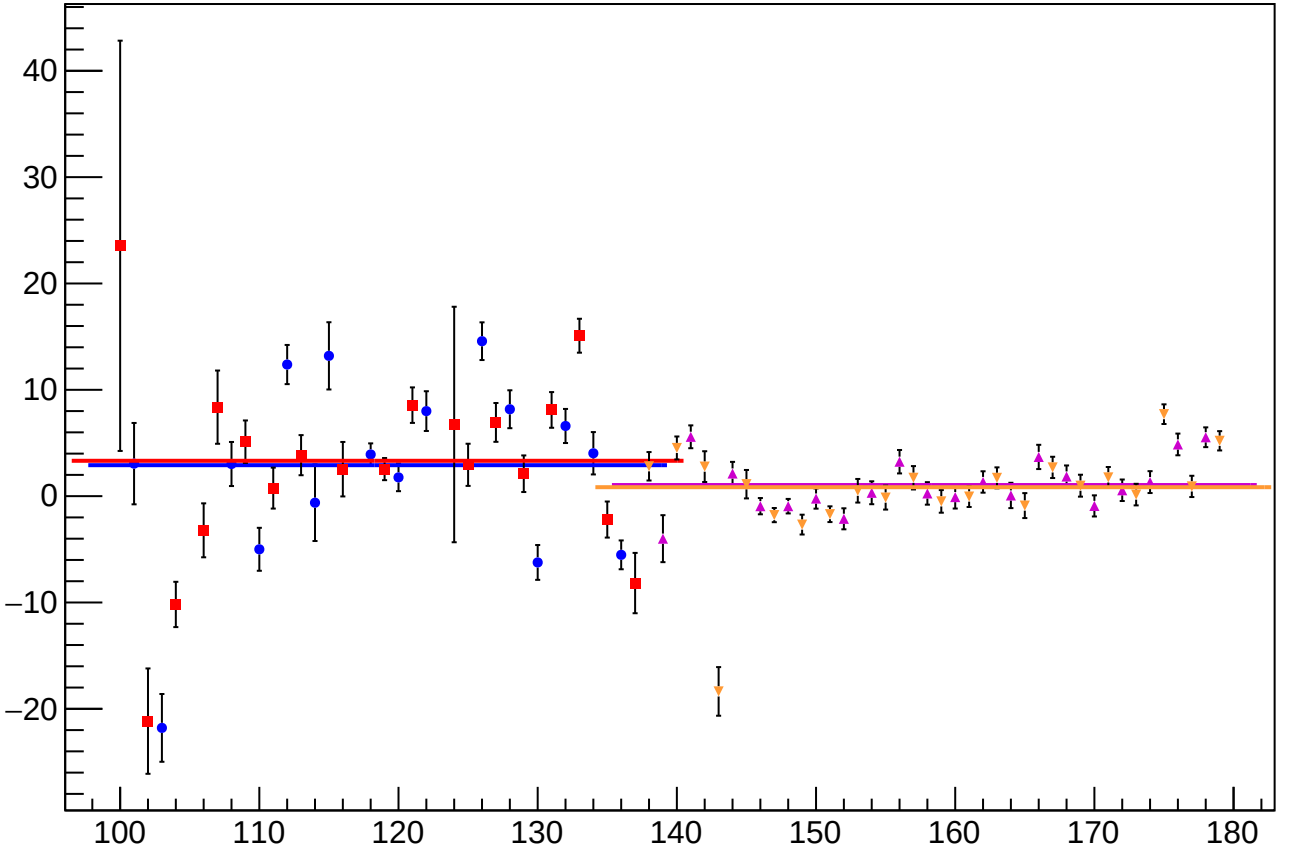
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.724+/-0.247 χ^2/NDF:7120.1/35

Out: 6.074+/-0.241 χ^2/NDF:9202.0/40

All: 5.903+/-0.172 χ^2/NDF: 16323.1/76

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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Left Out: 0.842+/-0.217 χ^2/NDF:217.7/21

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.045+/-0.225 χ^2/NDF:105.8/19

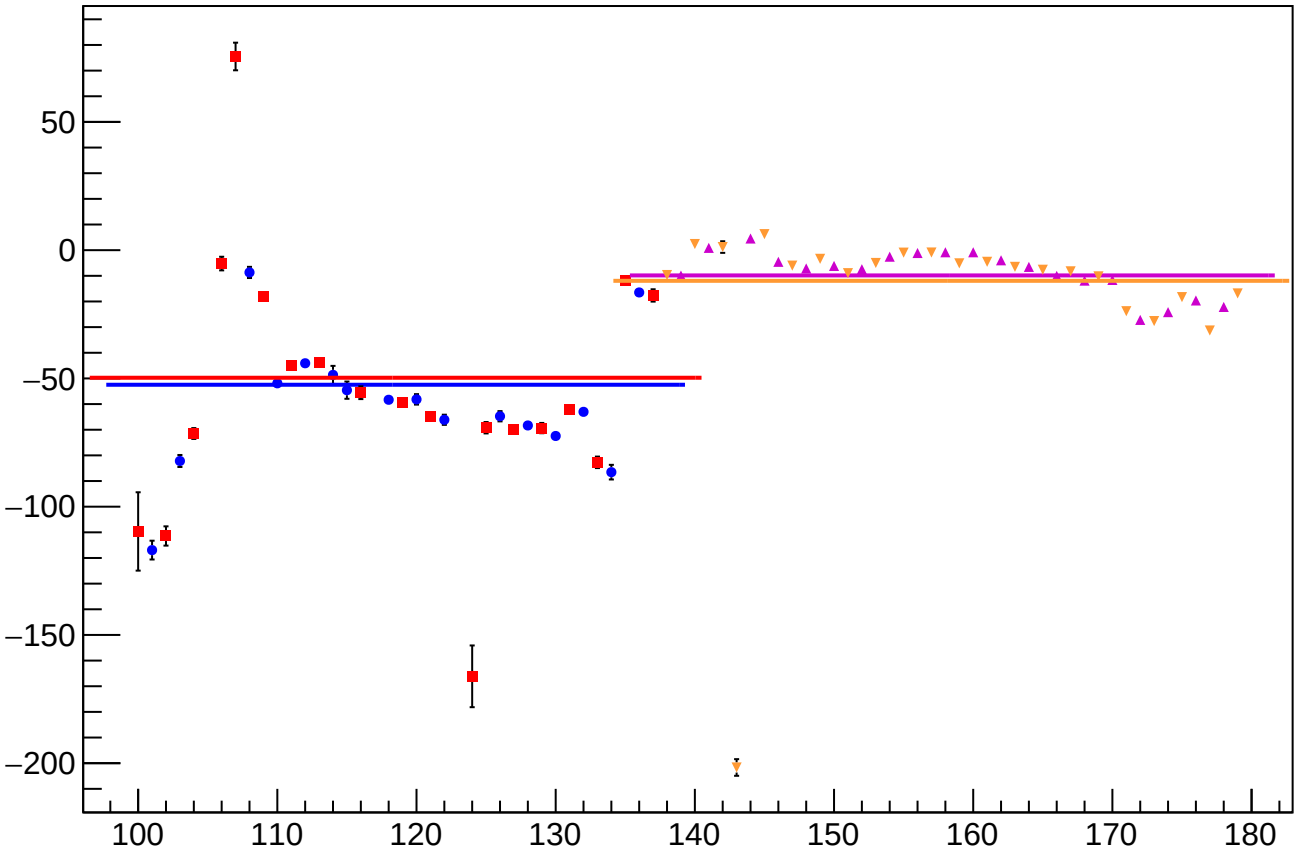
Left: 0.940+/-0.156 χ^2/NDF: 323.9/41

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.428+/-0.200 χ^2/NDF:369.9/35

Out: 1.303+/-0.195 χ^2/NDF:423.9/40

All: 1.364+/-0.140 χ^2/NDF: 794.0/76



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Left Out: -11.948+/-0.291 χ^2/NDF:4515.5/21

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -9.843+/-0.299 χ^2/NDF:847.2/19

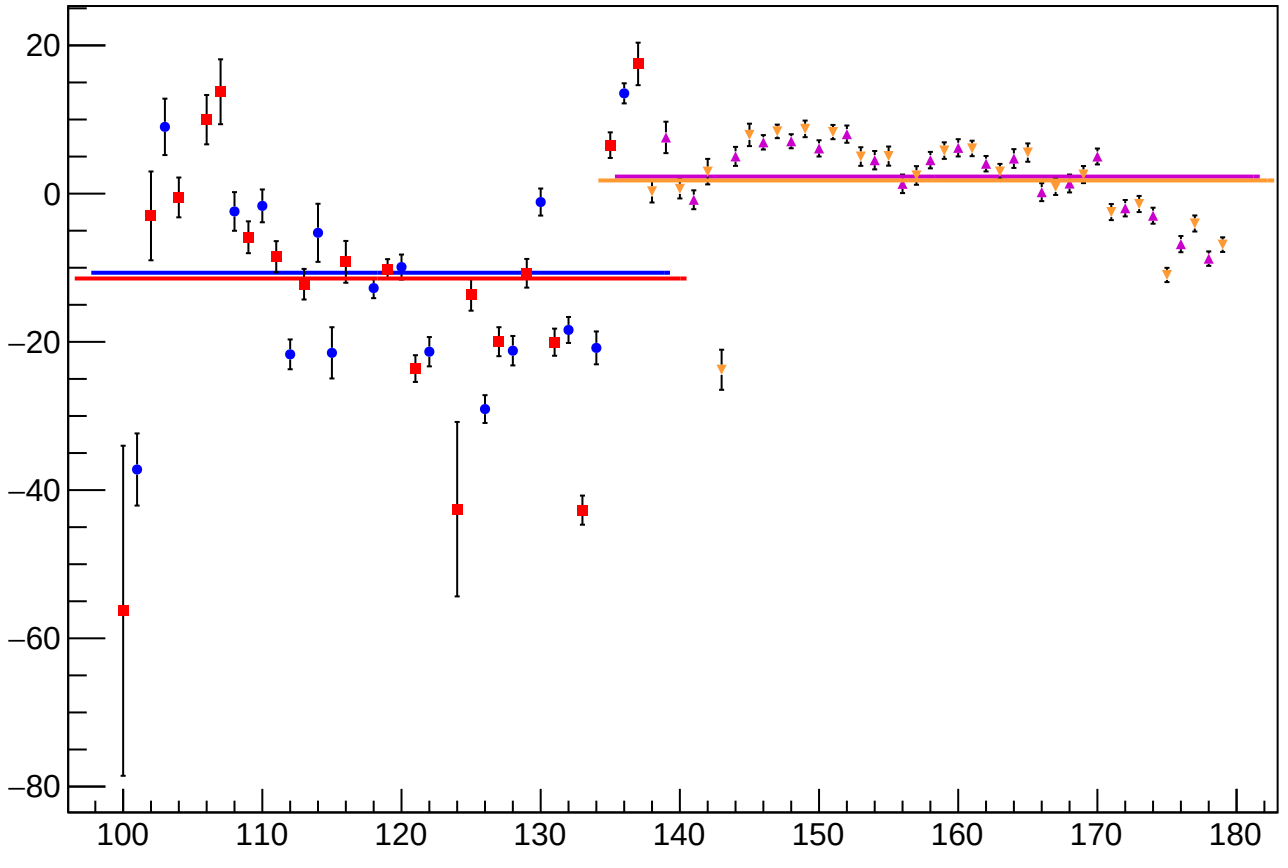
Left: -10.923+/-0.209 χ^2/NDF: 5388.1/41

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.485+/-0.255 χ^2/NDF:8727.6/35

Out: -21.699+/-0.251 χ^2/NDF:11865.2/40

All: -21.594+/-0.179 χ^2/NDF: 20593.2/76



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Left Out: 1.779+/-0.246 χ^2/NDF:605.6/21

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.302+/-0.255 χ^2/NDF:373.5/19

Left: 2.031+/-0.177 χ^2/NDF: 981.3/41

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.333+/-0.228 χ^2/NDF:1565.2/35

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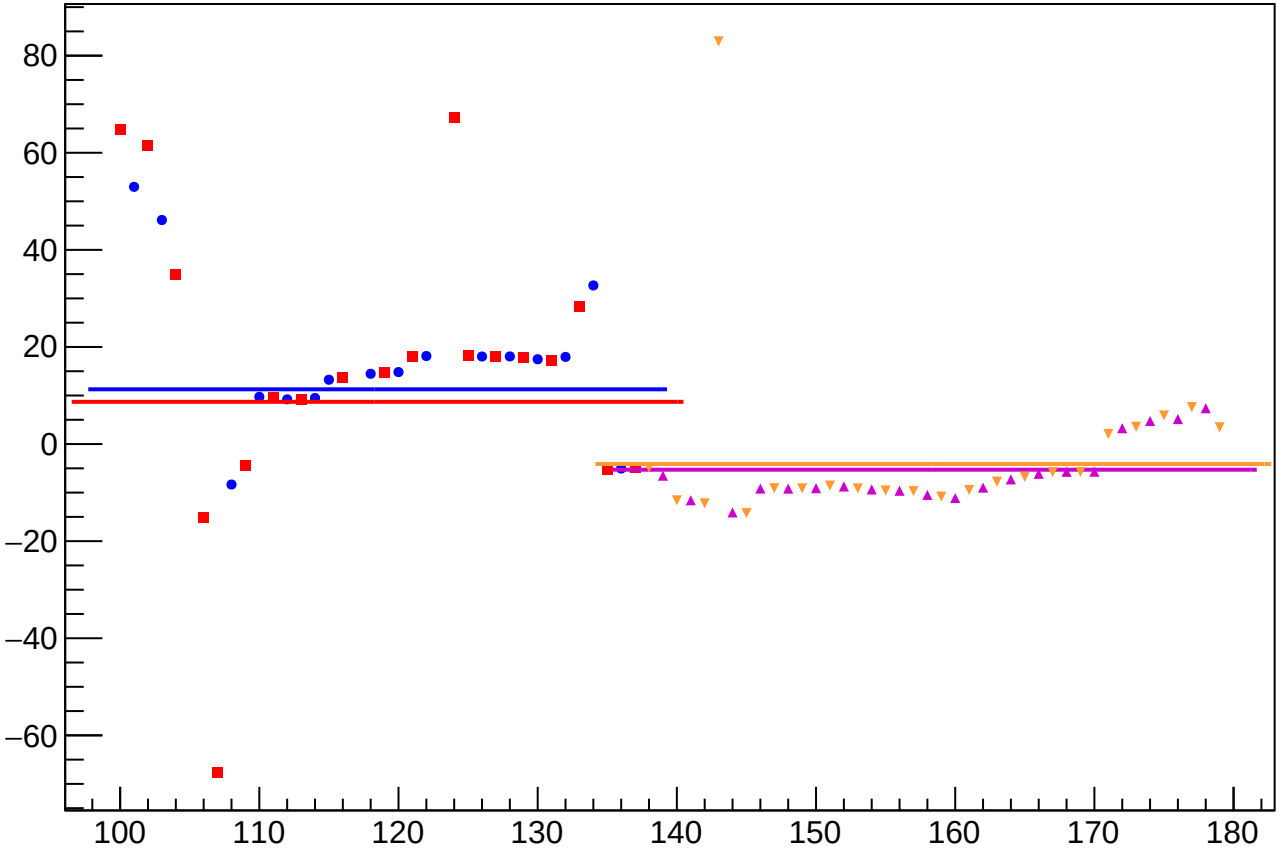
reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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Left Out: -4.104+/-0.011 χ^2/NDF:756805.3/21

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -5.284+/-0.011 χ^2/NDF:306856.2/19

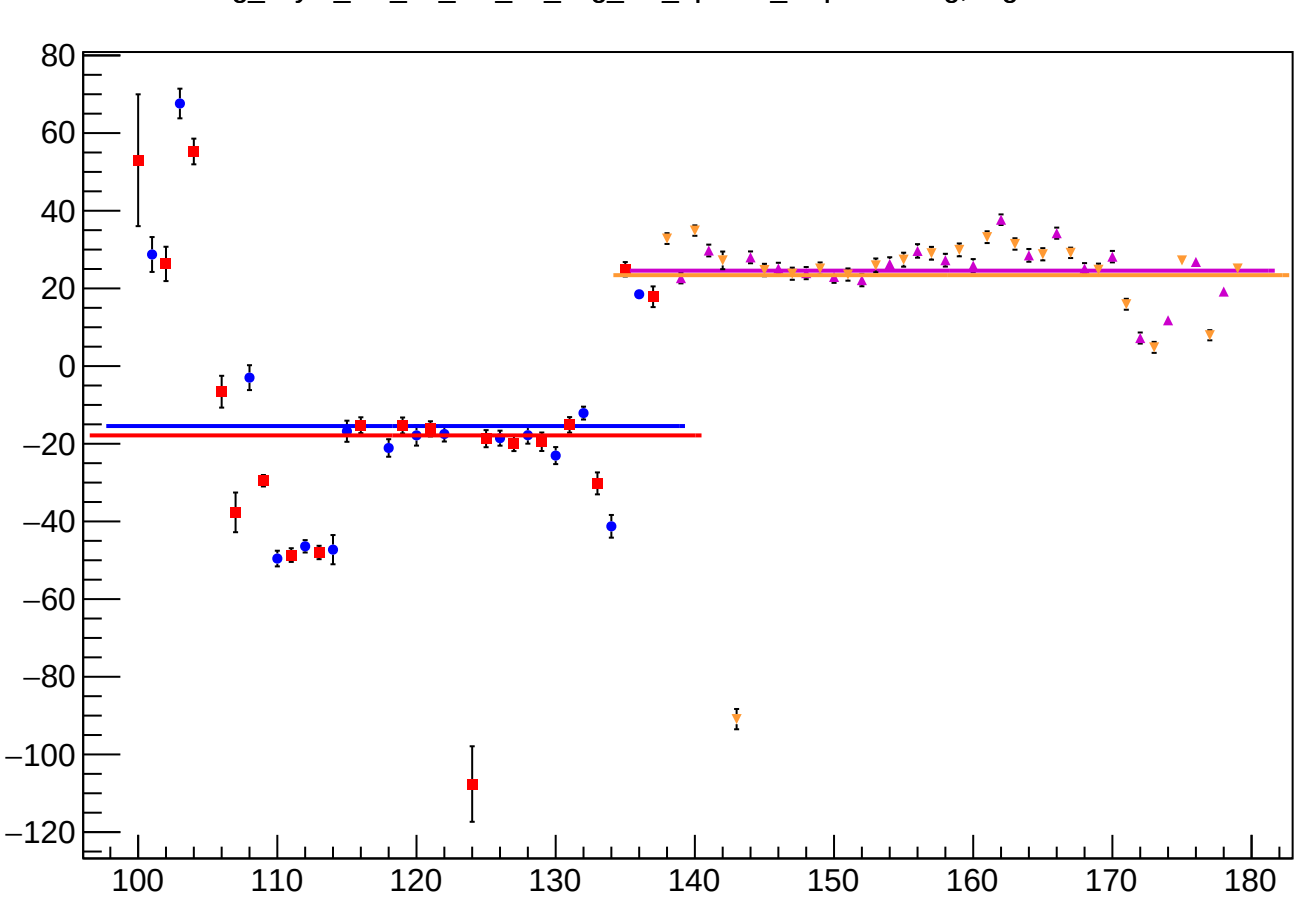
Left: -4.686+/-0.008 χ^2/NDF: 1069259.6/41

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.242+/-0.011 χ^2/NDF:924758.6/35

Out: -2.690+/-0.010 χ^2/NDF:1340628.6/40

All: -2.964+/-0.007 χ^2/NDF: 2266777.0/76



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.414+/-0.316 χ^2/NDF:2531.7/21

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.575+/-0.324 χ^2/NDF:468.5/19

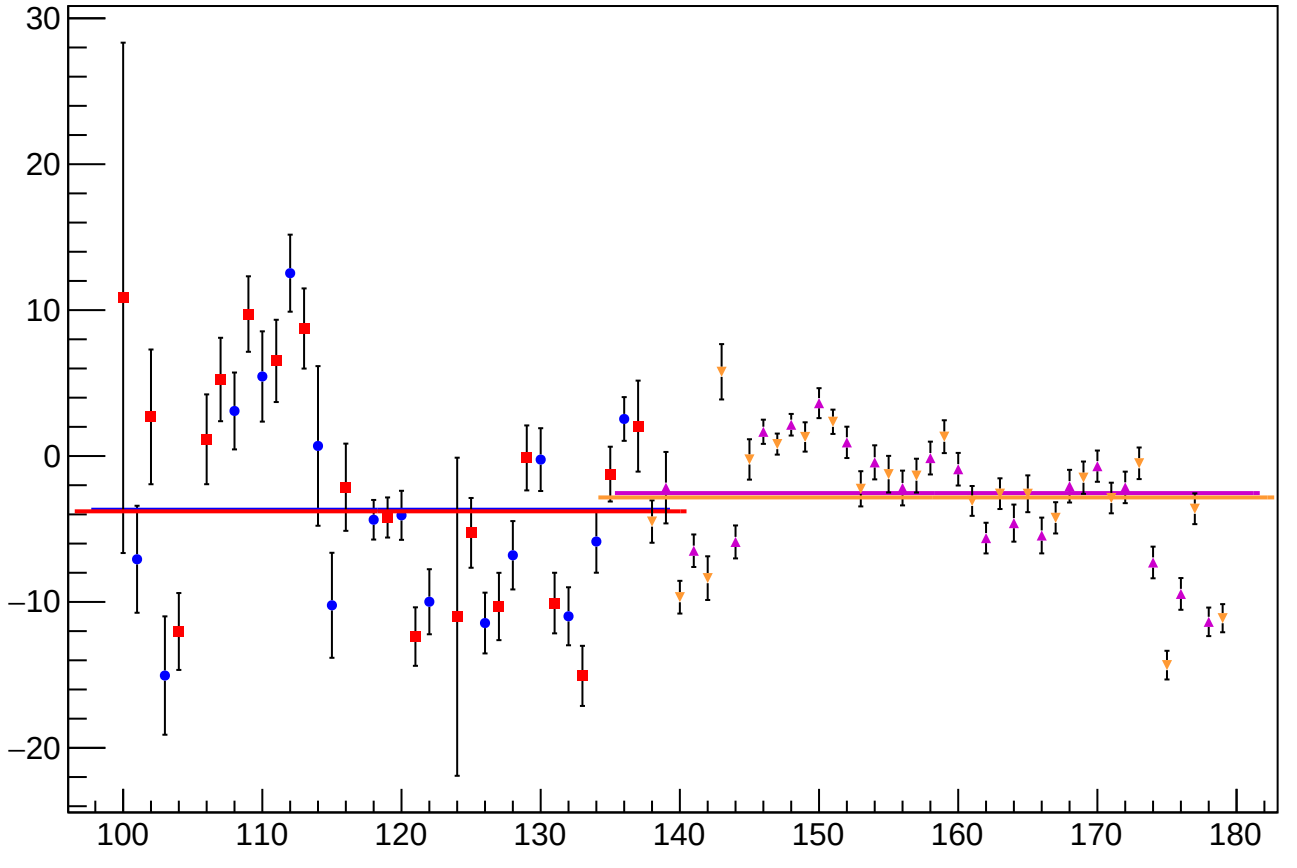
Left: 23.979+/-0.226 χ^2/NDF: 3006.8/41

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.932+/-0.278 χ^2/NDF:6637.1/35

Out: 12.576+/-0.271 χ^2/NDF:9132.1/40

All: 13.238+/-0.194 χ^2/NDF: 15781.4/76



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.838+/-0.231 χ^2/NDF:393.9/21

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.540+/-0.240 χ^2/NDF:304.6/19

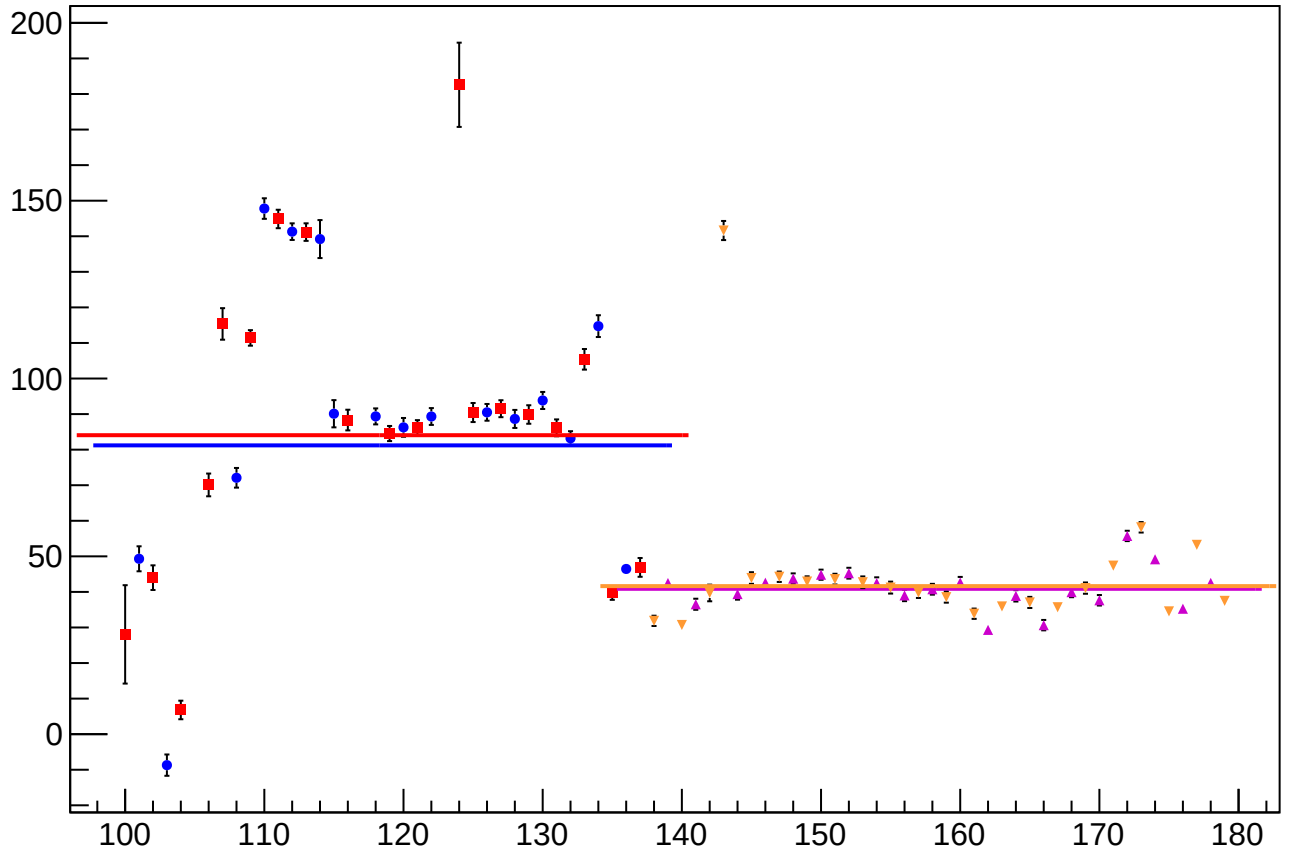
Left: -2.694+/-0.167 χ^2/NDF: 699.4/41

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.721+/-0.220 χ^2/NDF:432.2/35

Out: -2.975+/-0.214 χ^2/NDF:557.6/40

All: -2.852+/-0.154 χ^2/NDF: 990.5/76



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.628+/-0.311 χ^2/NDF:1865.4/21

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.873+/-0.320 χ^2/NDF:336.2/19

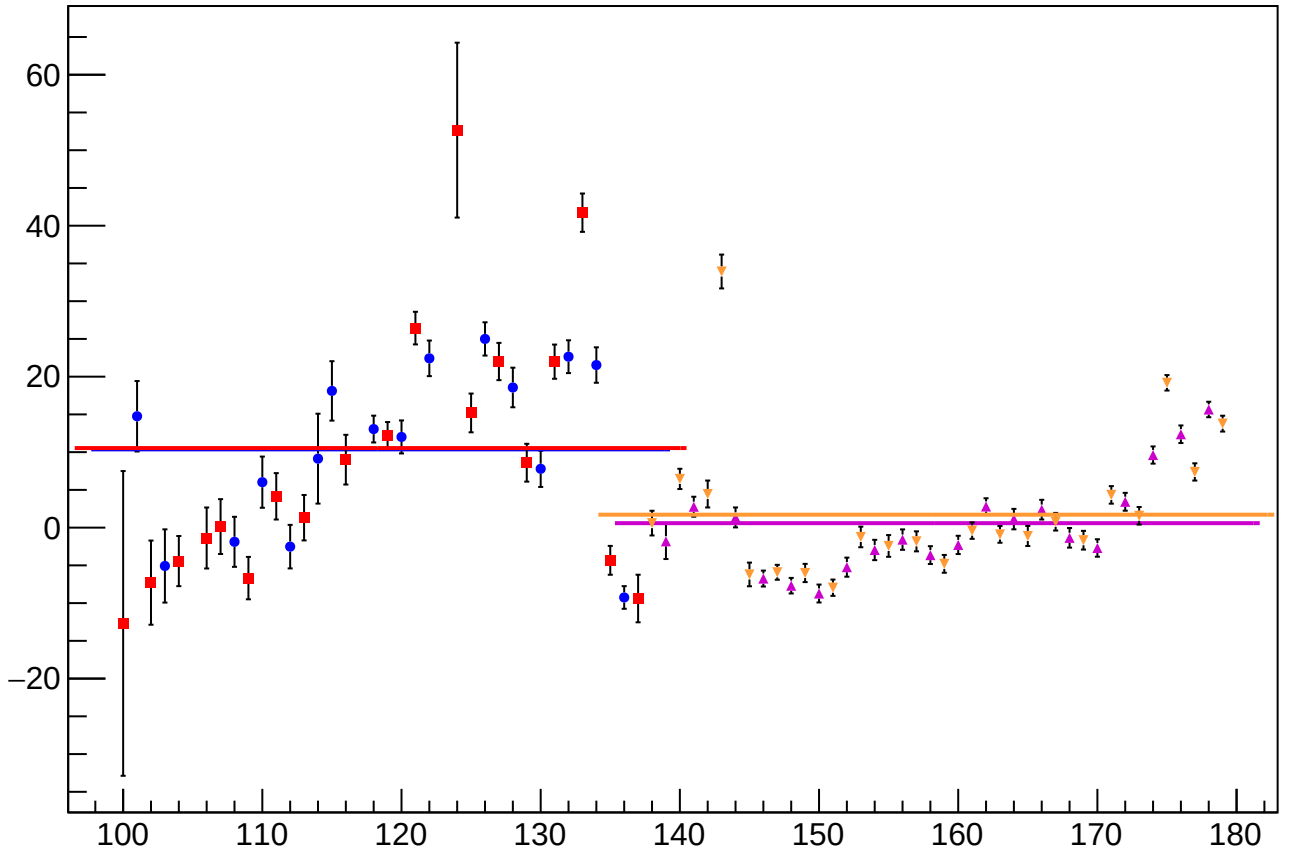
Left: 41.261+/-0.223 χ^2/NDF: 2204.5/41

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 49.626+/-0.283 χ^2/NDF:7022.4/35

Out: 50.237+/-0.278 χ^2/NDF:8851.7/40

All: 49.937+/-0.198 χ^2/NDF: 15876.5/76



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.714+/-0.263 χ^2/NDF:953.5/21

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: 0.591+/-0.272 χ^2/NDF:630.7/19

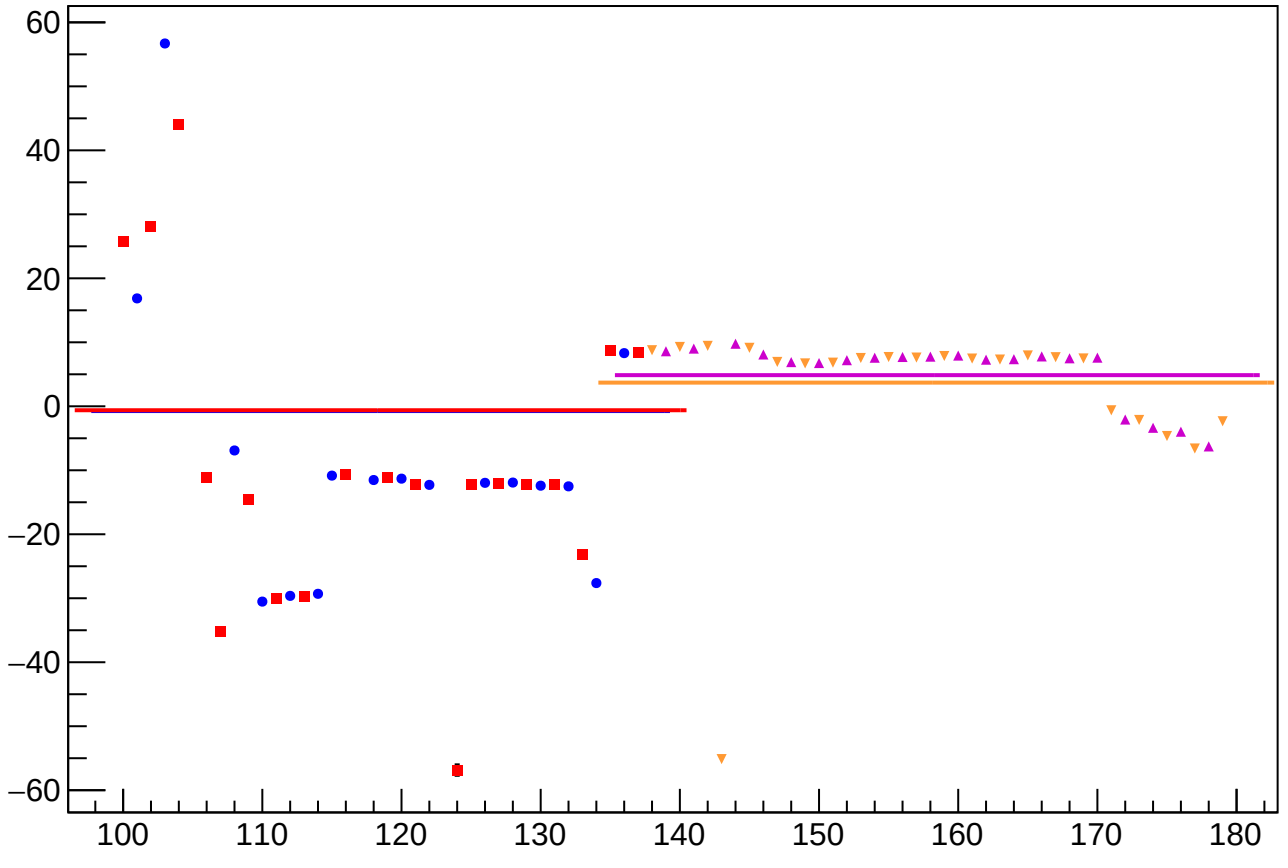
Left: 1.172+/-0.189 χ^2/NDF: 1593.0/41

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.145+/-0.250 χ^2/NDF:1195.2/35

Out: 2.989+/-0.243 χ^2/NDF:1586.8/40

All: 2.578+/-0.174 χ^2/NDF: 2787.9/76



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.700+/-0.012 χ^2/NDF:476608.4/21

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 4.867+/-0.012 χ^2/NDF:181365.4/19

Left: 4.275+/-0.008 χ^2/NDF: 662769.9/41

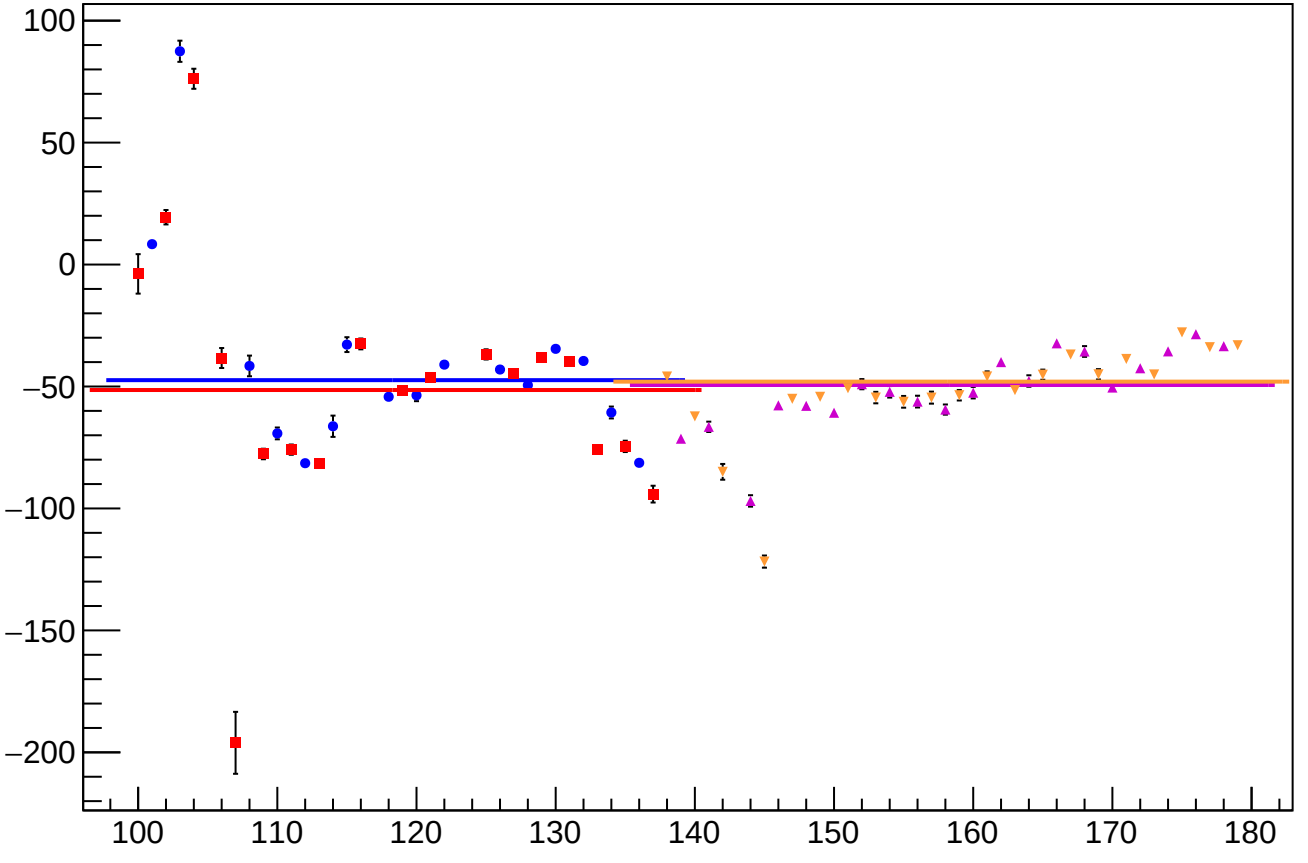
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.302+/-0.011 χ^2/NDF:571360.8/35

Out: 3.305+/-0.011 χ^2/NDF:805255.1/40

All: 3.799+/-0.008 χ^2/NDF: 1380480.9/76

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -48.004+/-0.429 χ^2/NDF:1554.9/20

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -49.381+/-0.435 χ^2/NDF:1243.9/19

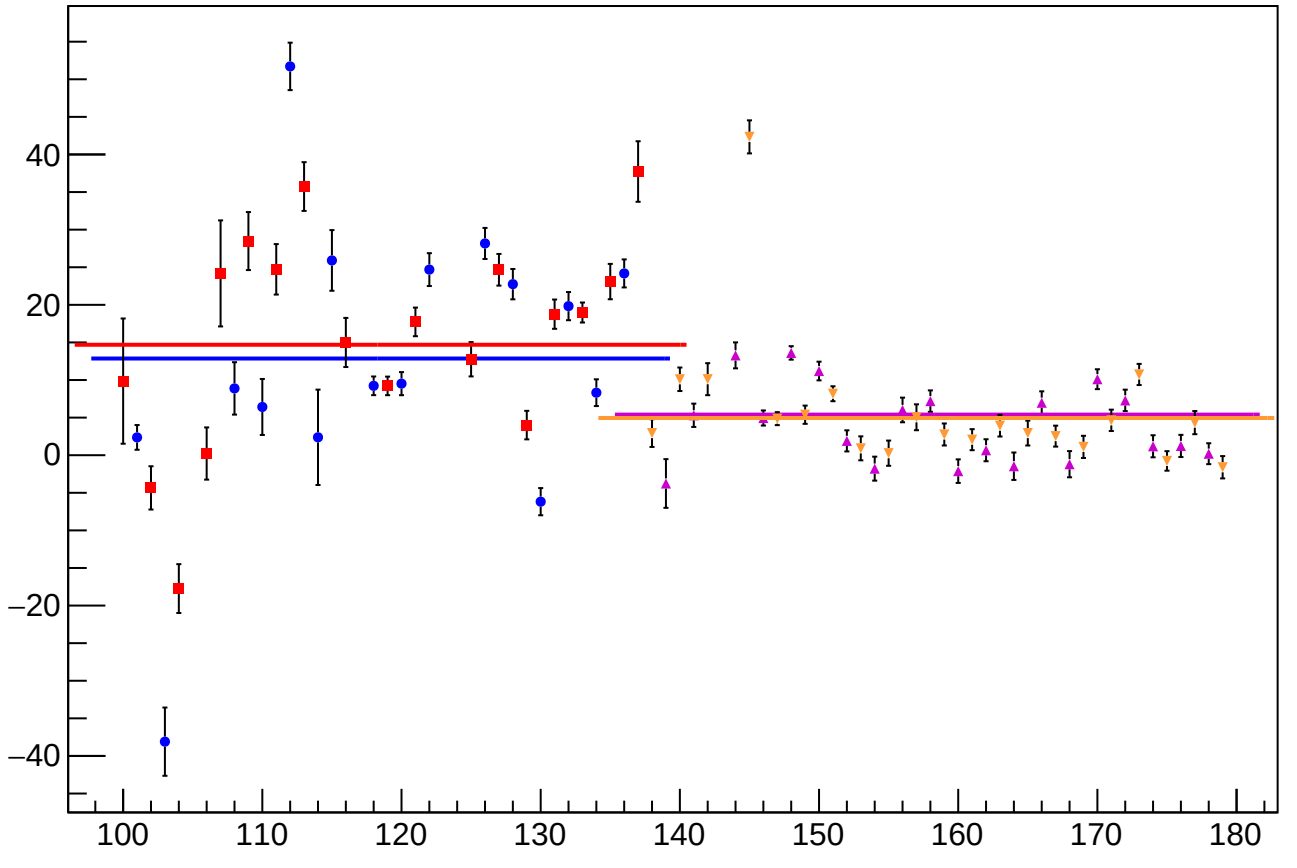
Left: -48.683+/-0.306 χ^2/NDF: 2803.9/40

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -48.592+/-0.338 χ^2/NDF:4021.2/35

Out: -49.319+/-0.337 χ^2/NDF:4452.2/38

All: -48.956+/-0.239 χ^2/NDF: 8475.7/74



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 4.952+/-0.308 χ^2/NDF:406.1/20

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.401+/-0.317 χ^2/NDF:270.7/19

Left: 5.170+/-0.221 χ^2/NDF: 677.8/40

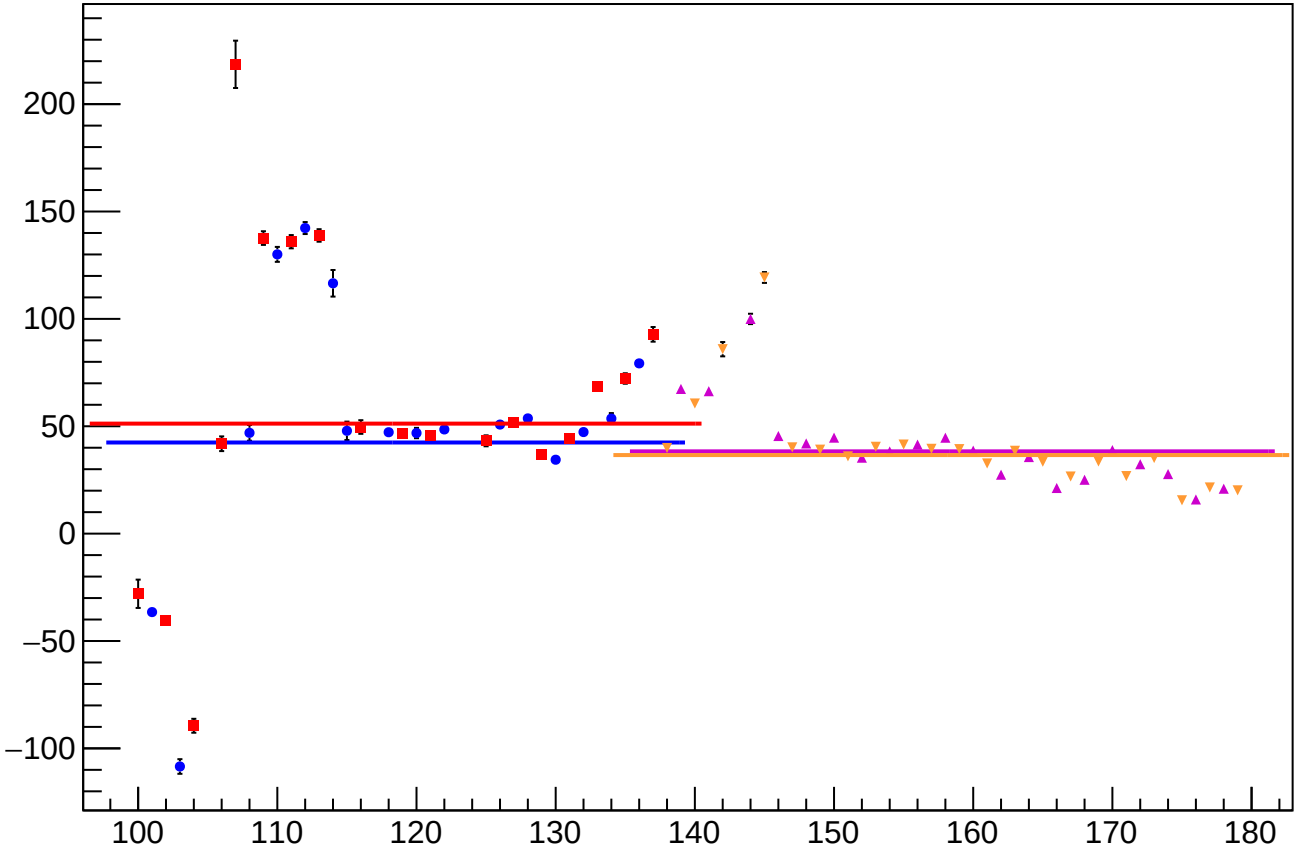
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.430+/-0.271 χ^2/NDF:1046.7/35

Out: 7.318+/-0.268 χ^2/NDF:1012.6/38

All: 7.374+/-0.191 χ^2/NDF: 2059.5/74

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 36.582+/-0.421 χ^2/NDF:1944.2/20

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 38.316+/-0.428 χ^2/NDF:1631.8/19

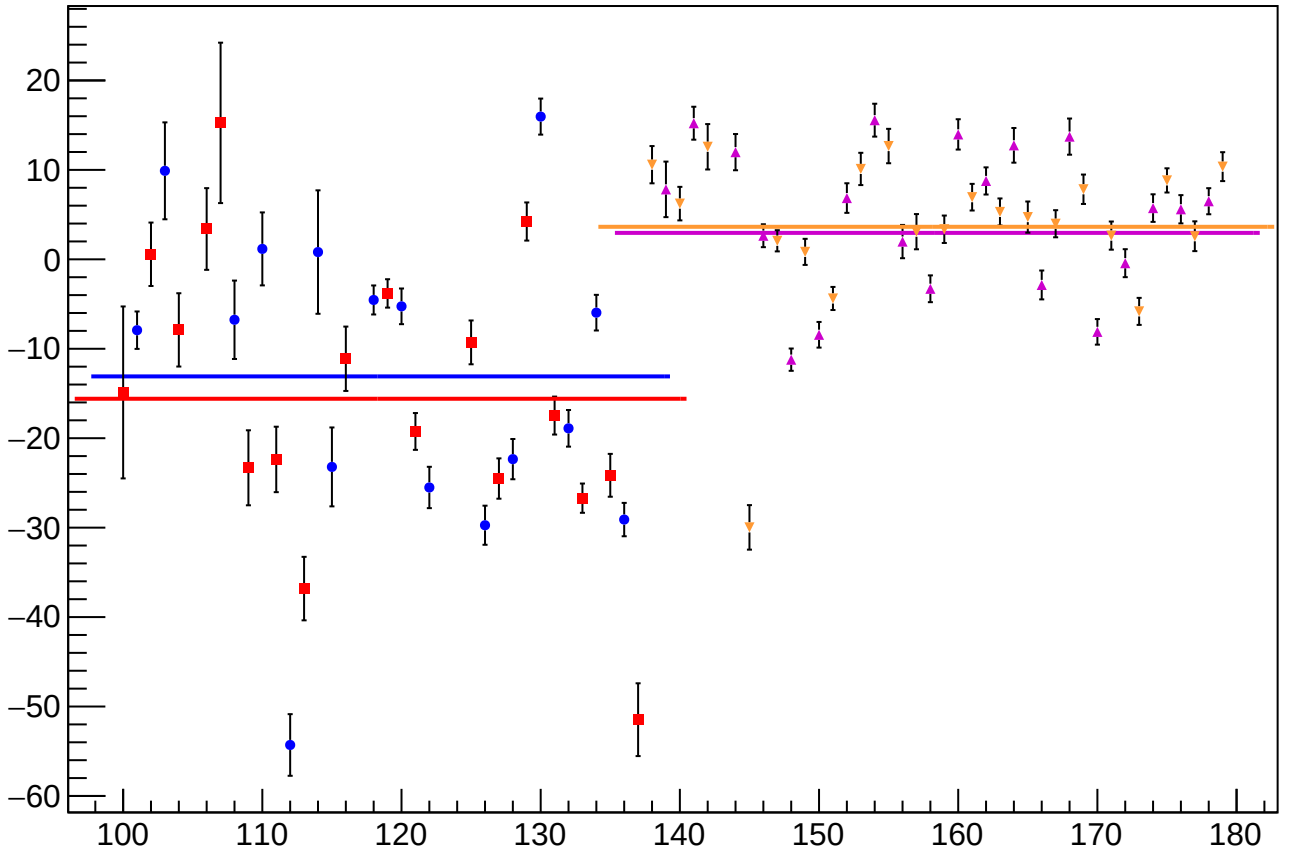
Left: 37.436+/-0.300 χ^2/NDF: 3584.4/40

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 39.753+/-0.345 χ^2/NDF:8833.1/35

Out: 41.261+/-0.347 χ^2/NDF:8941.6/38

All: 40.502+/-0.245 χ^2/NDF: 17784.2/74



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.637+/-0.353 χ^2/NDF:371.7/20

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.957+/-0.362 χ^2/NDF:529.4/19

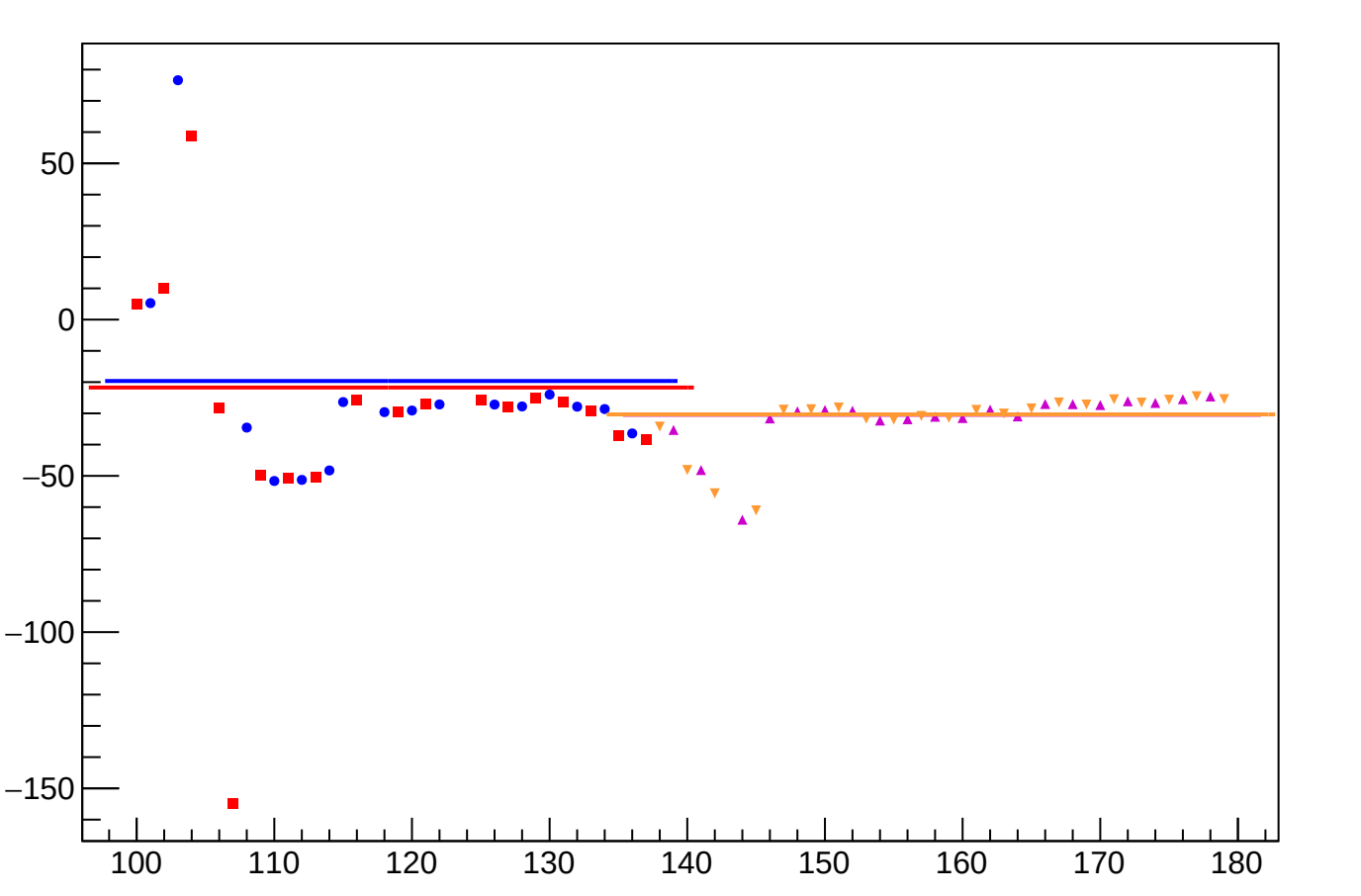
Left: 3.305+/-0.253 χ^2/NDF: 903.0/40

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.324+/-0.310 χ^2/NDF:1694.2/35

Out: -0.990+/-0.308 χ^2/NDF:1487.9/38

All: -1.156+/-0.218 χ^2/NDF: 3182.8/74



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.343+/-0.016 χ^2/NDF:210962.3/20

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -30.447+/-0.016 χ^2/NDF:171444.2/19

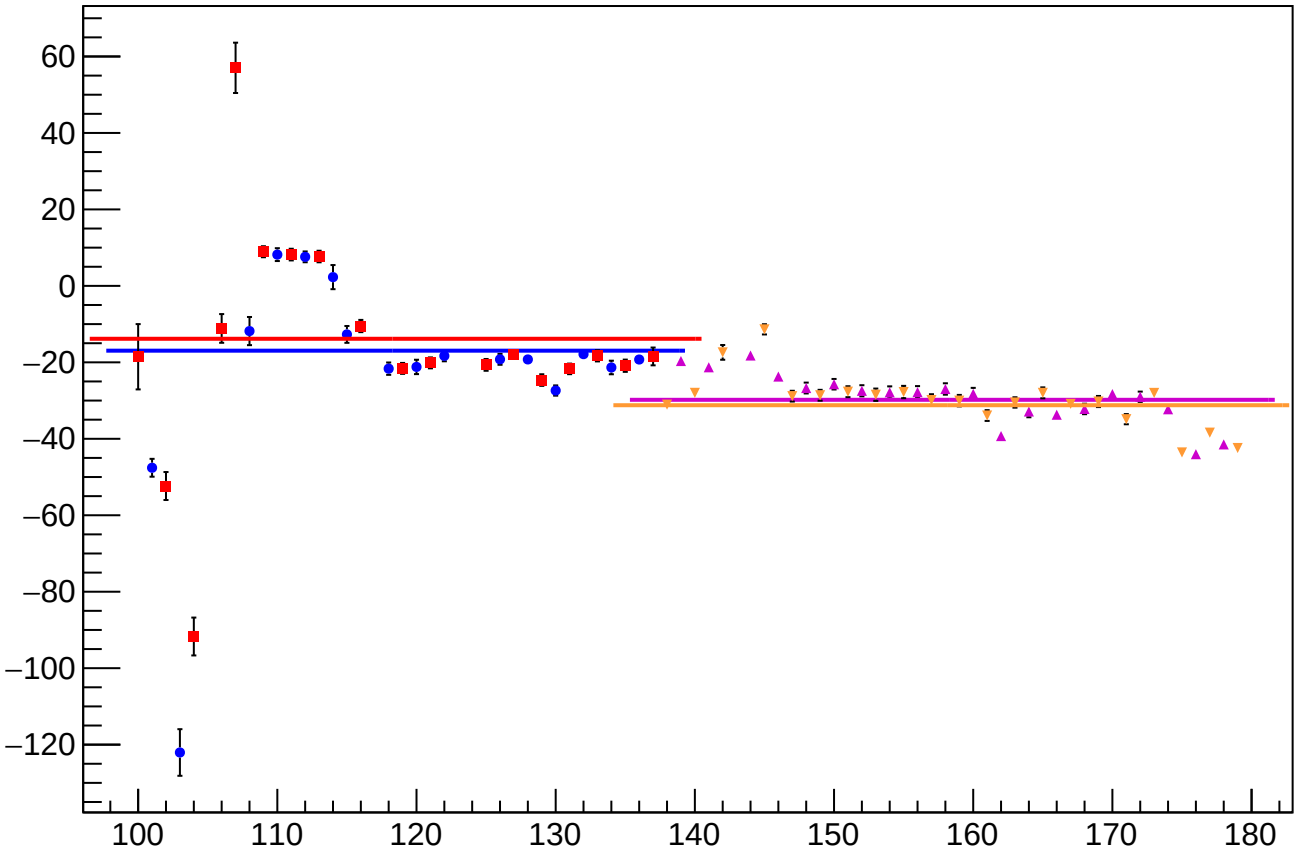
Left: -30.395+/-0.011 χ^2/NDF: 382427.2/40

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -28.652+/-0.015 χ^2/NDF:892990.9/35

Out: -29.088+/-0.015 χ^2/NDF:799528.9/38

All: -28.868+/-0.010 χ^2/NDF: 1692954.7/74



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -31.218+/-0.293 χ^2/NDF:616.7/20

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -29.801+/-0.297 χ^2/NDF:589.3/19

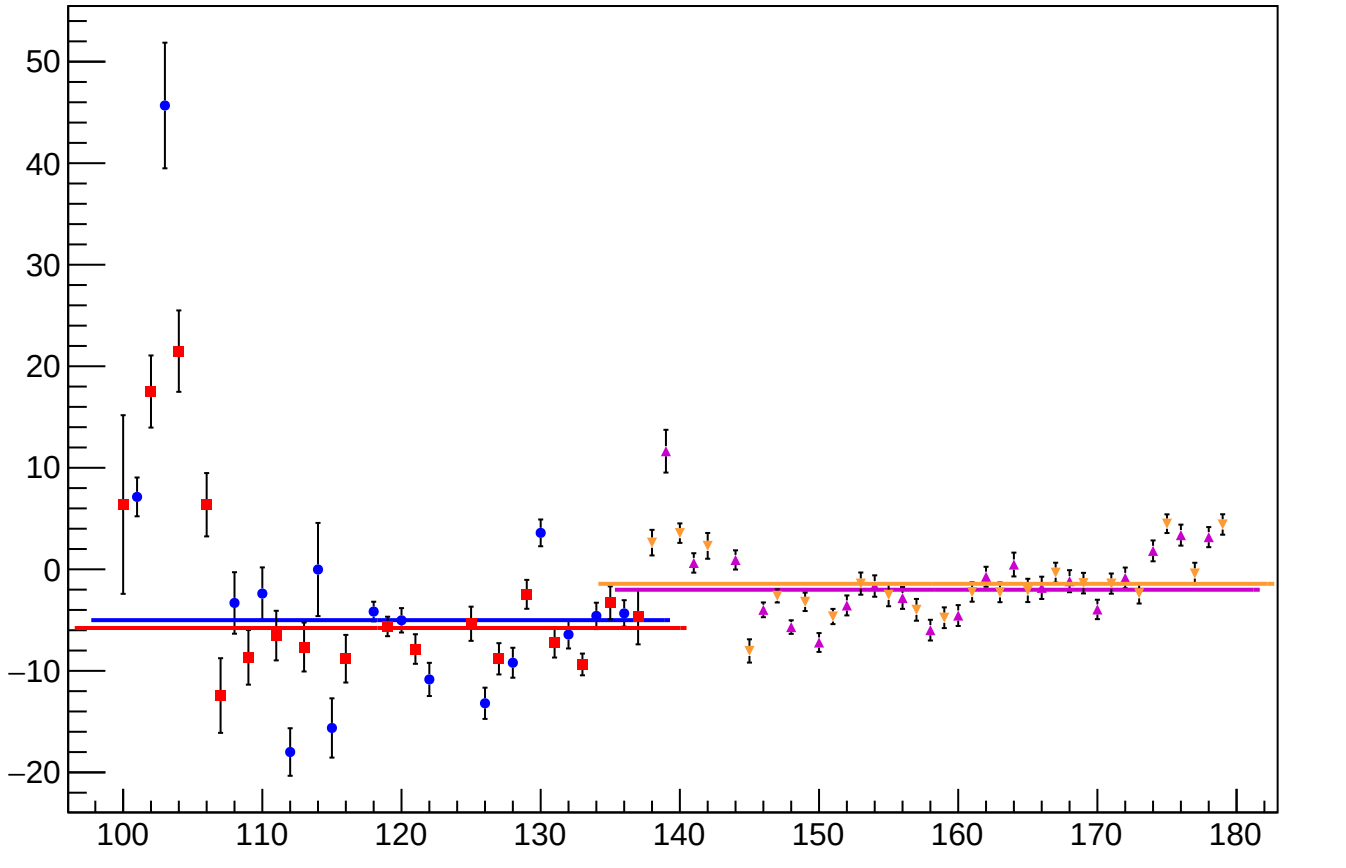
Left: -30.520+/-0.208 χ^2/NDF: 1217.5/40

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -25.292+/-0.239 χ^2/NDF:2374.8/35

Out: -25.332+/-0.238 χ^2/NDF:3143.1/38

All: -25.312+/-0.169 χ^2/NDF: 5517.9/74



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.427+/-0.214 χ^2/NDF:202.3/20

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.011+/-0.219 χ^2/NDF:233.3/19

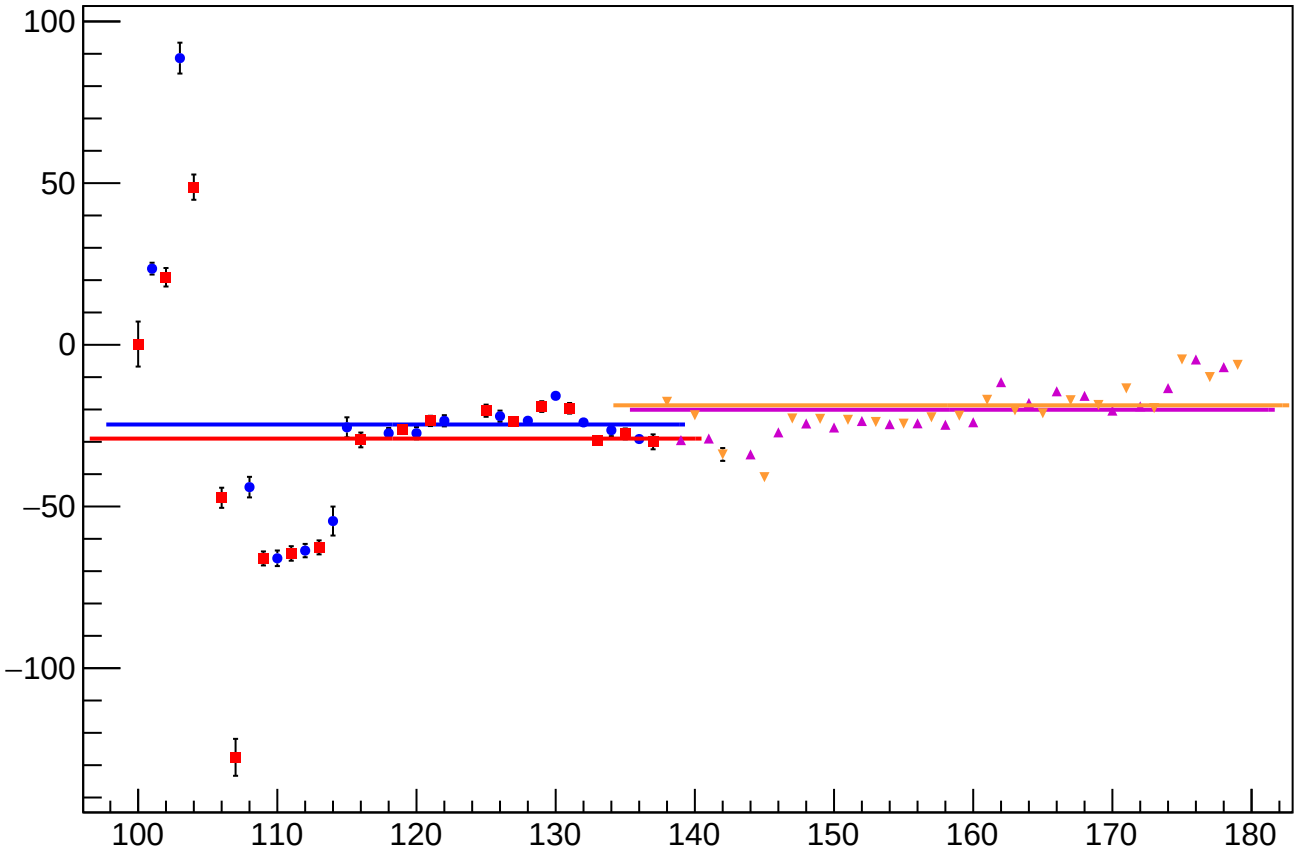
Left: -1.712+/-0.153 χ^2/NDF: 439.2/40

Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.699+/-0.192 χ^2/NDF:523.9/35

Out: -2.324+/-0.190 χ^2/NDF:427.1/38

All: -2.509+/-0.135 χ^2/NDF: 953.0/74



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -18.707+/-0.288 χ^2/NDF:813.5/20

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -20.082+/-0.292 χ^2/NDF:757.1/19

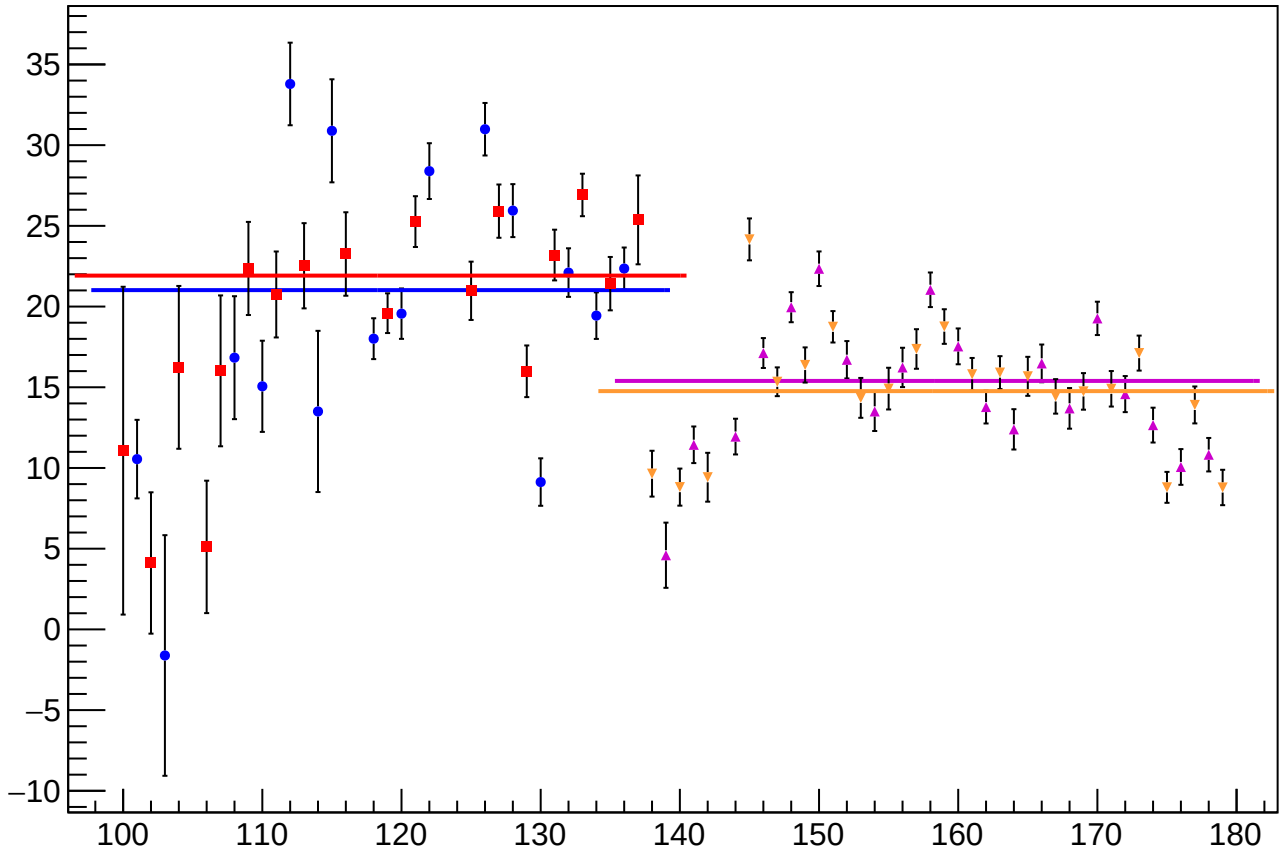
Left: -19.384+/-0.205 χ^2/NDF: 1581.9/40

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -21.415+/-0.246 χ^2/NDF:2880.0/35

Out: -21.473+/-0.246 χ^2/NDF:3109.1/38

All: -21.444+/-0.174 χ^2/NDF: 5989.1/74



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 14.761+/-0.243 χ^2/NDF:219.3/20

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.393+/-0.249 χ^2/NDF:230.4/19

Left: 15.070+/-0.174 χ^2/NDF: 453.0/40

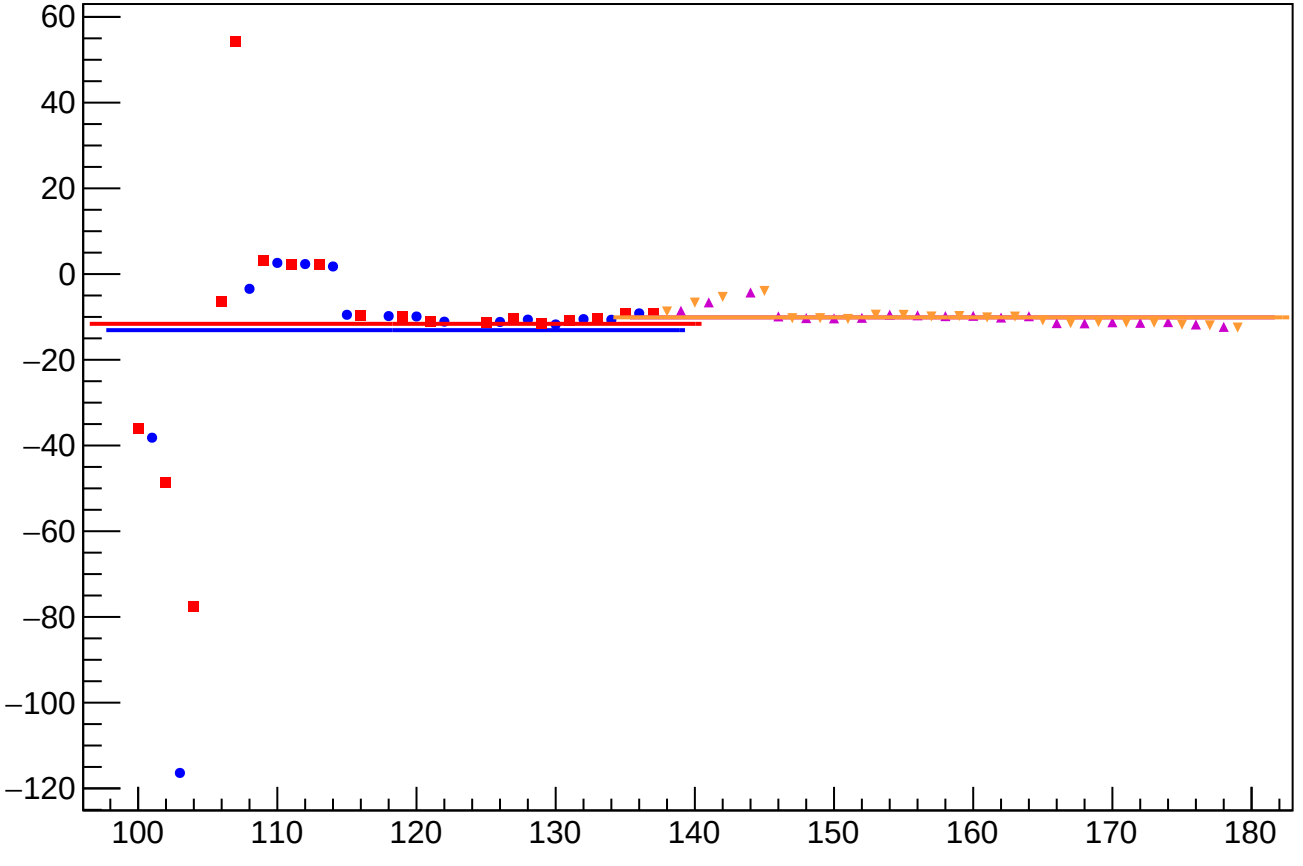
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.677+/-0.219 χ^2/NDF:556.4/35

Out: 16.233+/-0.217 χ^2/NDF:479.6/38

All: 16.453+/-0.154 χ^2/NDF: 1038.1/74

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -10.099+/-0.011 χ^2/NDF:30466.5/20

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -10.109+/-0.011 χ^2/NDF:22387.2/19

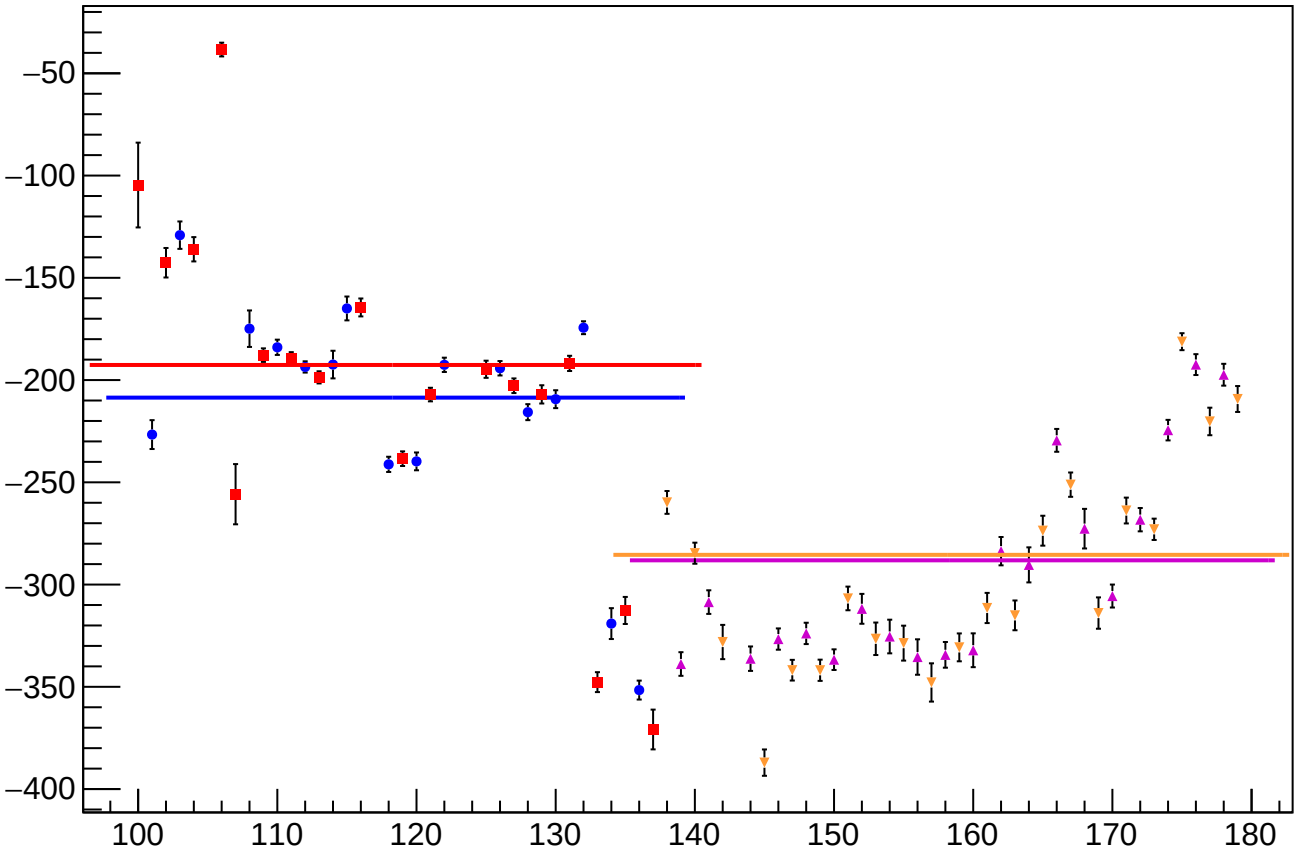
Left: -10.104+/-0.008 χ^2/NDF: 52854.0/40

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.497+/-0.010 χ^2/NDF:376878.4/35

Out: -10.268+/-0.010 χ^2/NDF:346774.0/38

All: -10.383+/-0.007 χ^2/NDF: 723899.3/74



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -285.465+/-1.355 χ^2/NDF:1658.9/20

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -288.151+/-1.360 χ^2/NDF:1429.1/19

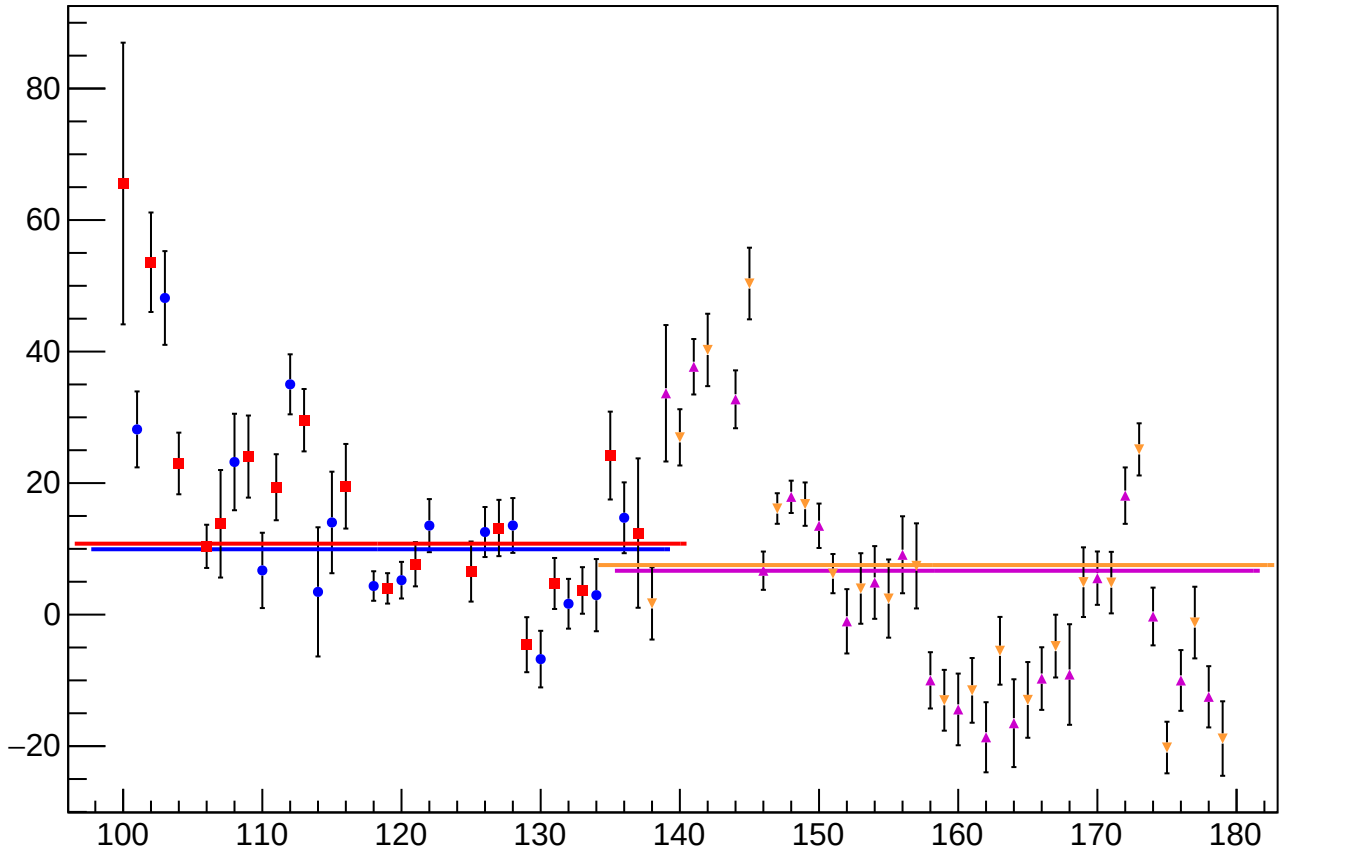
Left: -286.802+/-0.960 χ^2/NDF: 3090.0/40

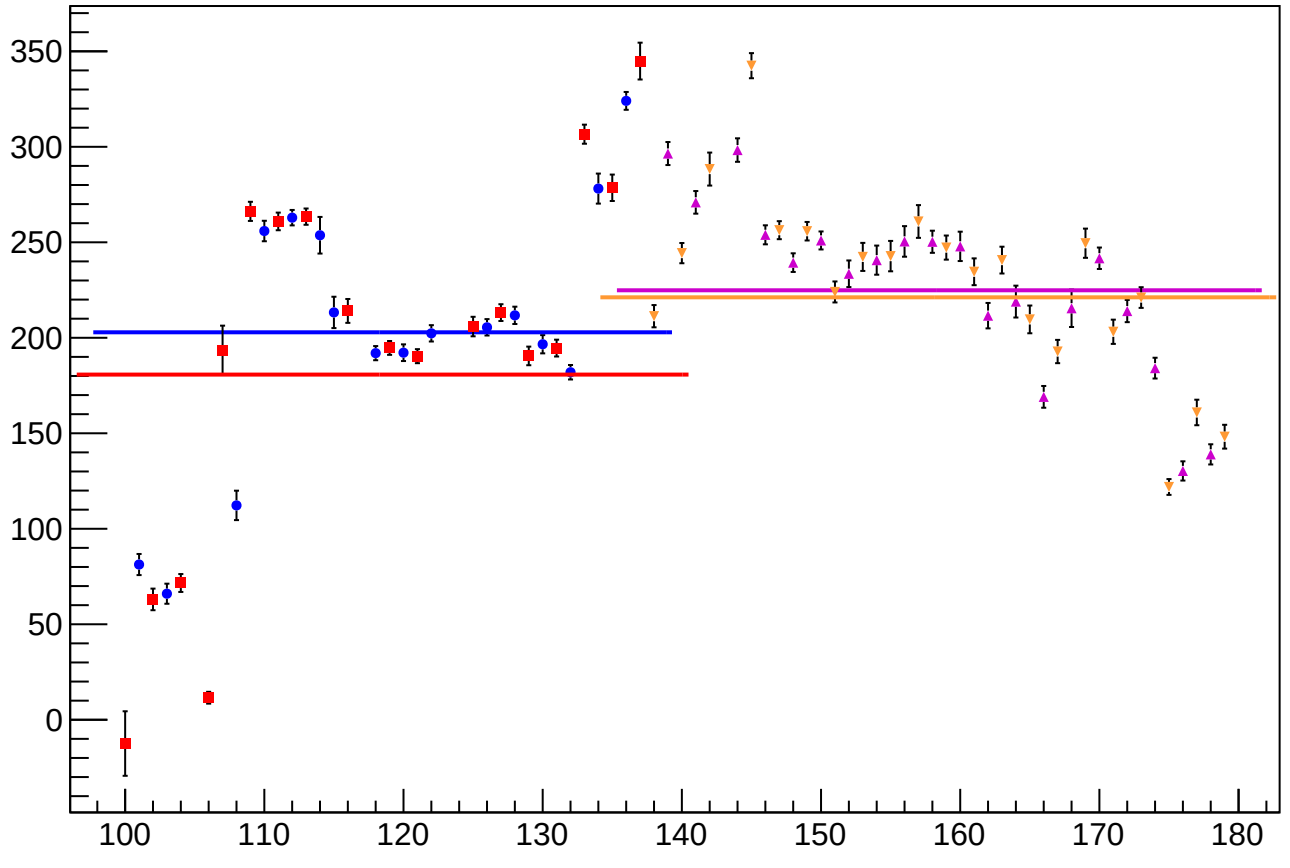
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -238.877+/-0.839 χ^2/NDF:5299.2/35

Out: -225.318+/-0.804 χ^2/NDF:8909.1/38

All: -231.806+/-0.581 χ^2/NDF: 14344.4/74


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 7.536+/-0.951 χ²/NDF:296.8/20
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 6.667+/-0.972 χ²/NDF:244.3/19
Left: 7.111+/-0.680 χ²/NDF: 541.5/40
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 8.152+/-0.718 χ²/NDF:356.0/35
Out: 9.011+/-0.703 χ²/NDF:407.2/38
All: 8.591+/-0.502 χ²/NDF: 763.9/74



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 221.189+/-1.331 χ^2/NDF:1435.8/20

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 224.875+/-1.338 χ^2/NDF:1248.6/19

Left: 223.022+/-0.944 χ^2/NDF: 2688.1/40

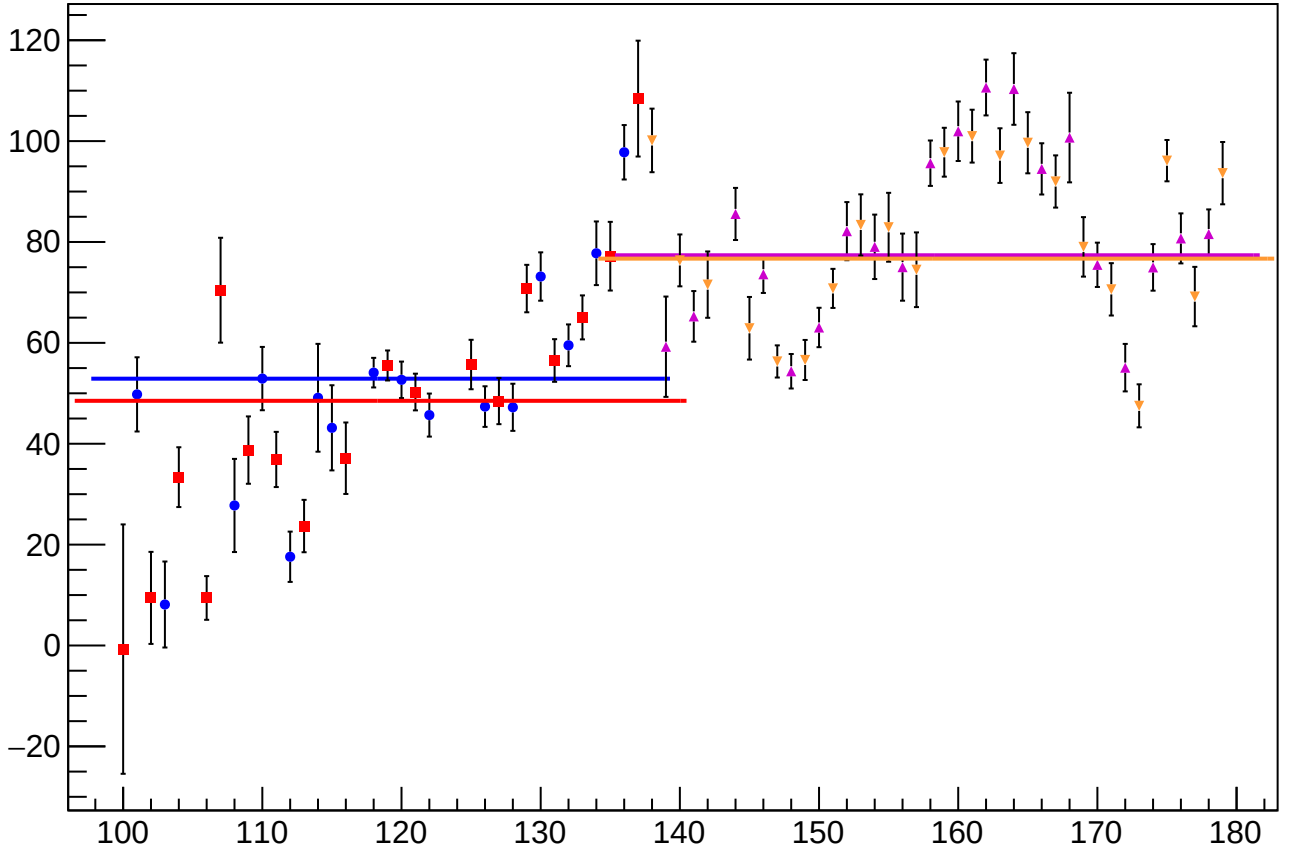
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 212.909+/-0.904 χ^2/NDF:3859.8/35

Out: 197.913+/-0.867 χ^2/NDF:8315.2/38

All: 205.103+/-0.626 χ^2/NDF: 12318.2/74

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.698+/-1.104 χ^2/NDF:248.1/20

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.367+/-1.120 χ^2/NDF:206.1/19

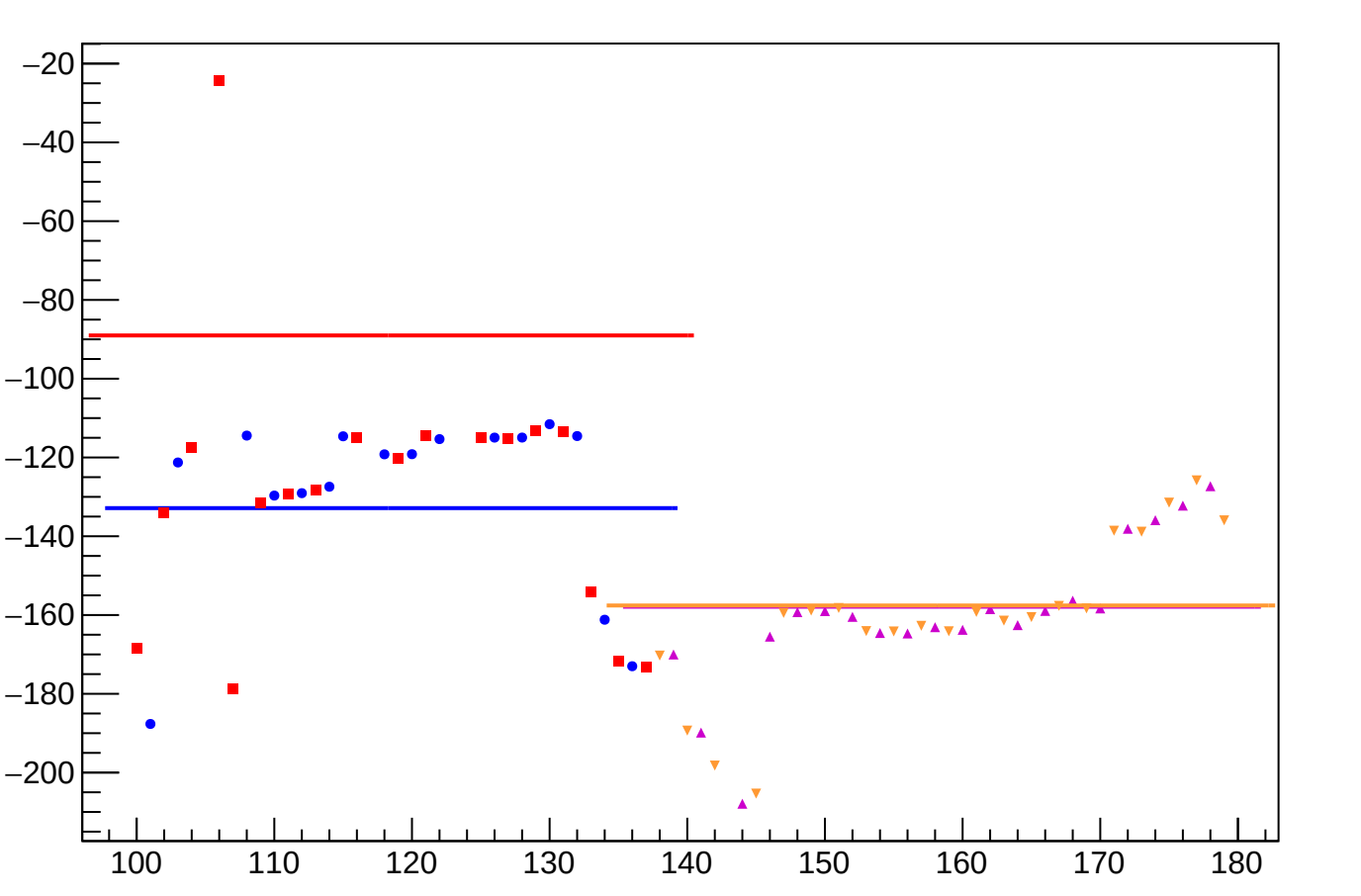
Left: 77.028+/-0.786 χ^2/NDF: 454.4/40

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 66.386+/-0.832 χ^2/NDF:618.5/35

Out: 63.943+/-0.817 χ^2/NDF:783.1/38

All: 65.142+/-0.583 χ^2/NDF: 1406.0/74



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -157.578+/-0.052 χ^2/NDF:129782.8/20

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -157.894+/-0.051 χ^2/NDF:112012.2/19

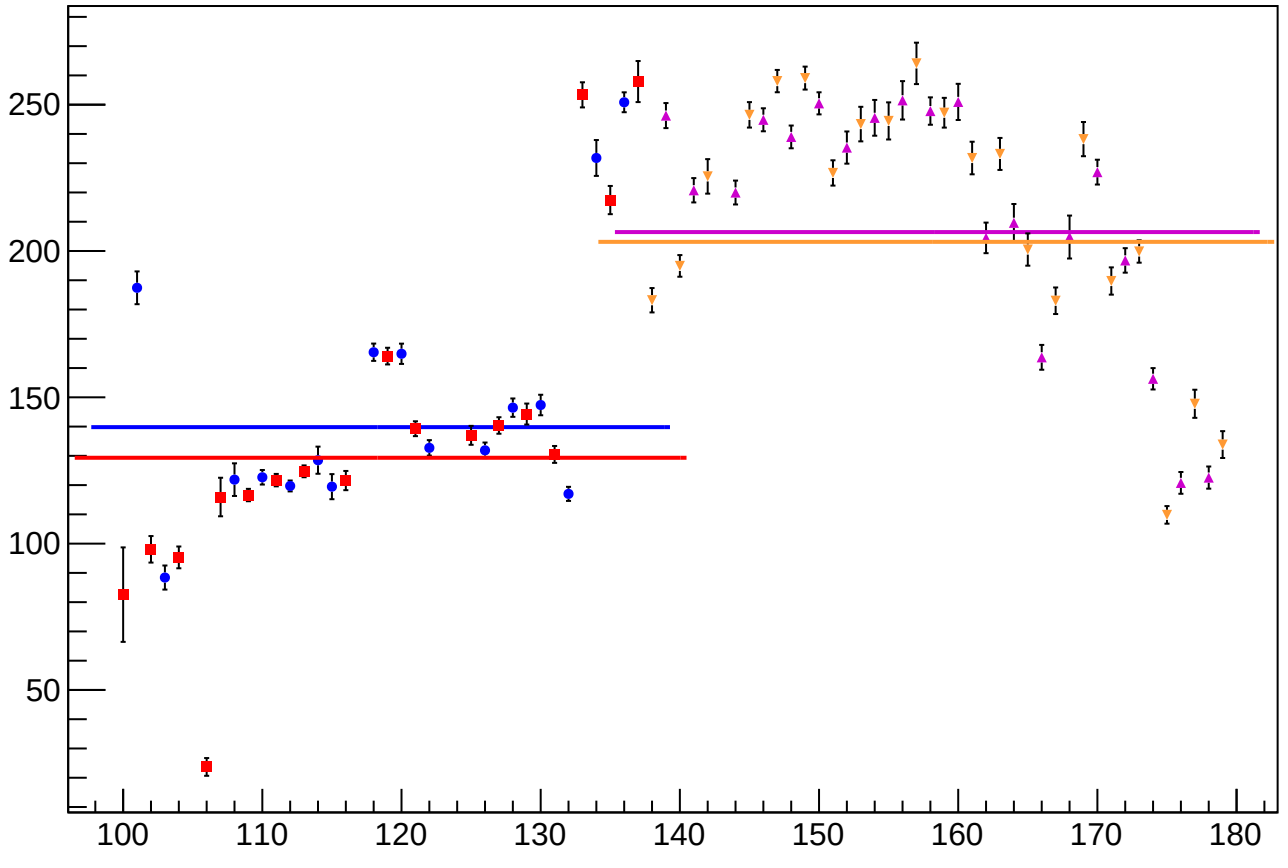
Left: -157.737+/-0.036 χ^2/NDF: 241814.0/40

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -150.815+/-0.043 χ^2/NDF:273453.7/35

Out: -130.659+/-0.040 χ^2/NDF:1551193.2/38

All: -140.002+/-0.029 χ^2/NDF: 1941126.2/74



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 203.125+/-0.998 χ^2/NDF:2267.0/20

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 206.465+/-1.003 χ^2/NDF:1997.2/19

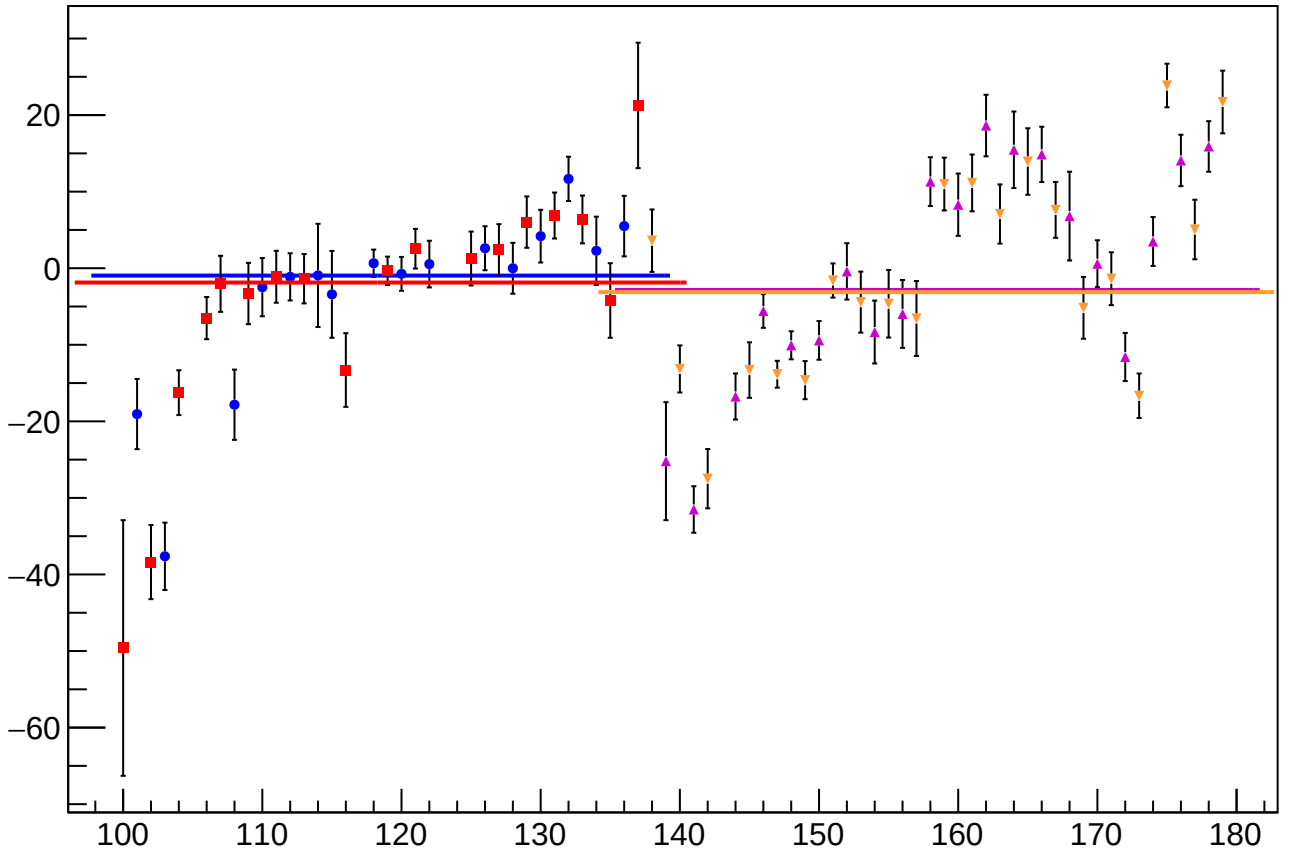
Left: 204.786+/-0.708 χ^2/NDF: 4269.7/40

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.101+/-0.618 χ^2/NDF:6700.8/35

Out: 155.260+/-0.591 χ^2/NDF:8937.1/38

All: 159.964+/-0.427 χ^2/NDF: 15770.3/74



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -3.121+/-0.704 χ^2/NDF:336.9/20

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -2.836+/-0.719 χ^2/NDF:312.0/19

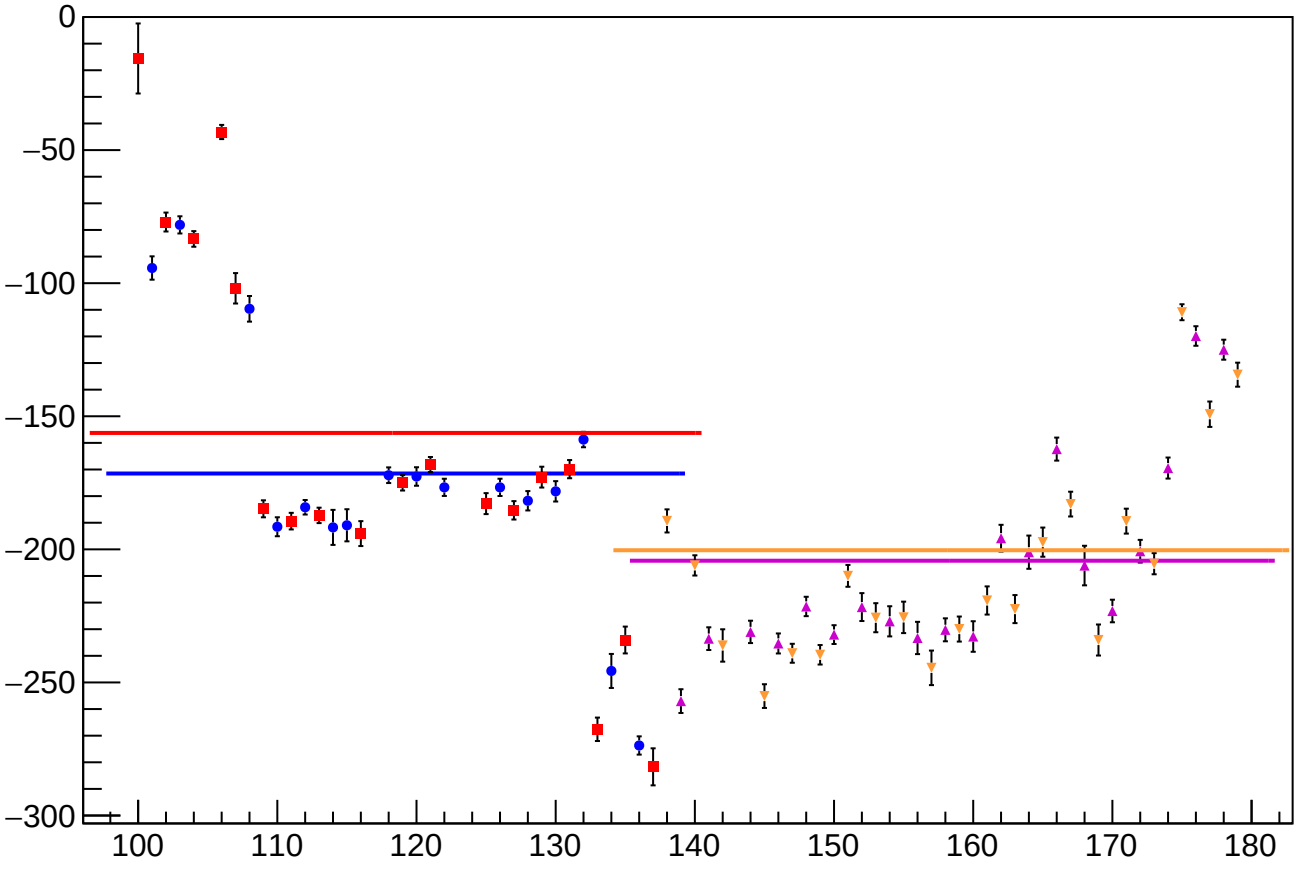
Left: -2.982+/-0.503 χ^2/NDF: 648.9/40

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.009+/-0.537 χ^2/NDF:441.1/35

Out: -2.561+/-0.524 χ^2/NDF:471.4/38

All: -2.292+/-0.375 χ^2/NDF: 913.0/74



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -200.332+/-0.982 χ^2/NDF:1862.3/20

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -204.269+/-0.988 χ^2/NDF:1661.0/19

Left: -202.288+/-0.697 χ^2/NDF: 3531.3/40

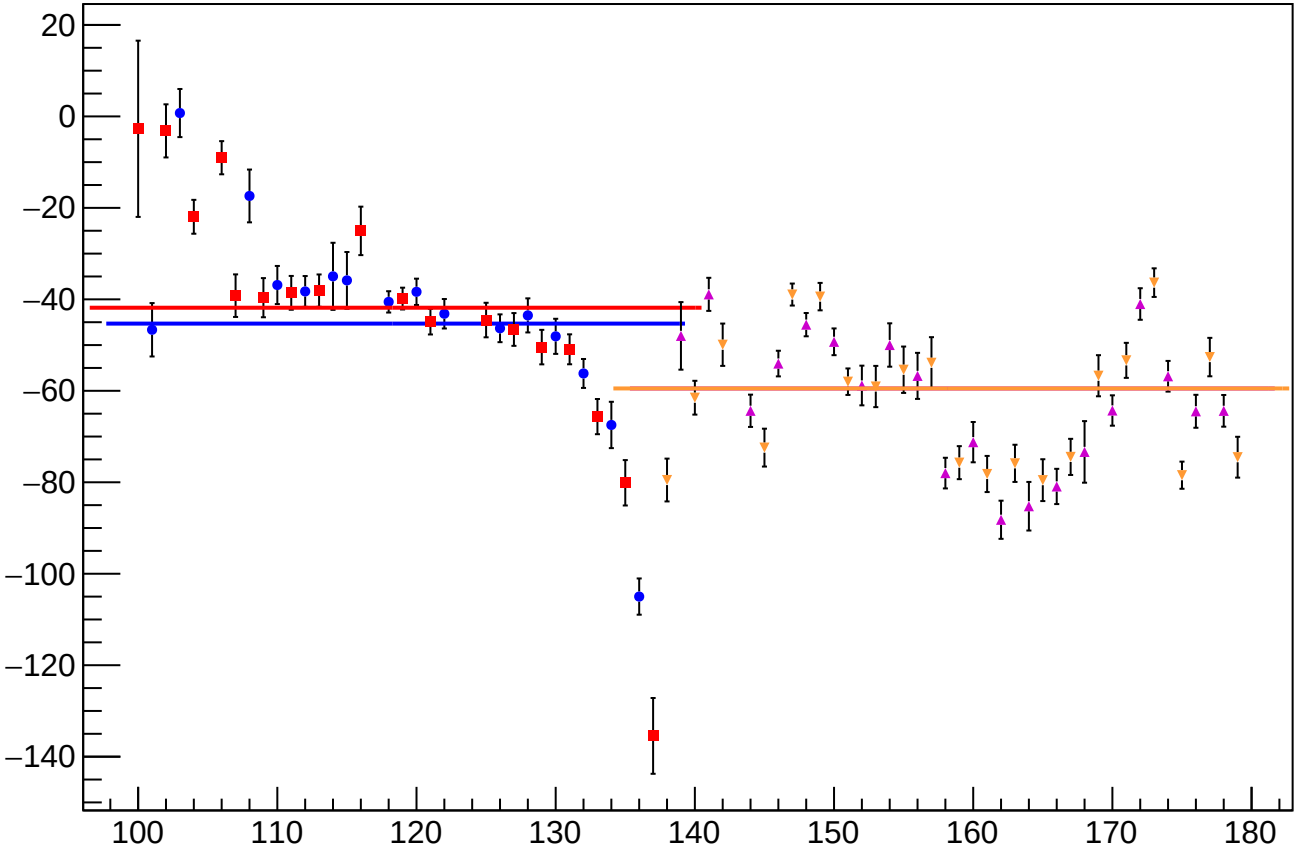
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -186.481+/-0.668 χ^2/NDF:4700.4/35

Out: -175.075+/-0.641 χ^2/NDF:7921.6/38

All: -180.545+/-0.463 χ^2/NDF: 12773.7/74

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.483+/-0.816 χ^2/NDF:357.2/20

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -59.493+/-0.828 χ^2/NDF:265.8/19

Left: -59.488+/-0.582 χ^2/NDF: 623.0/40

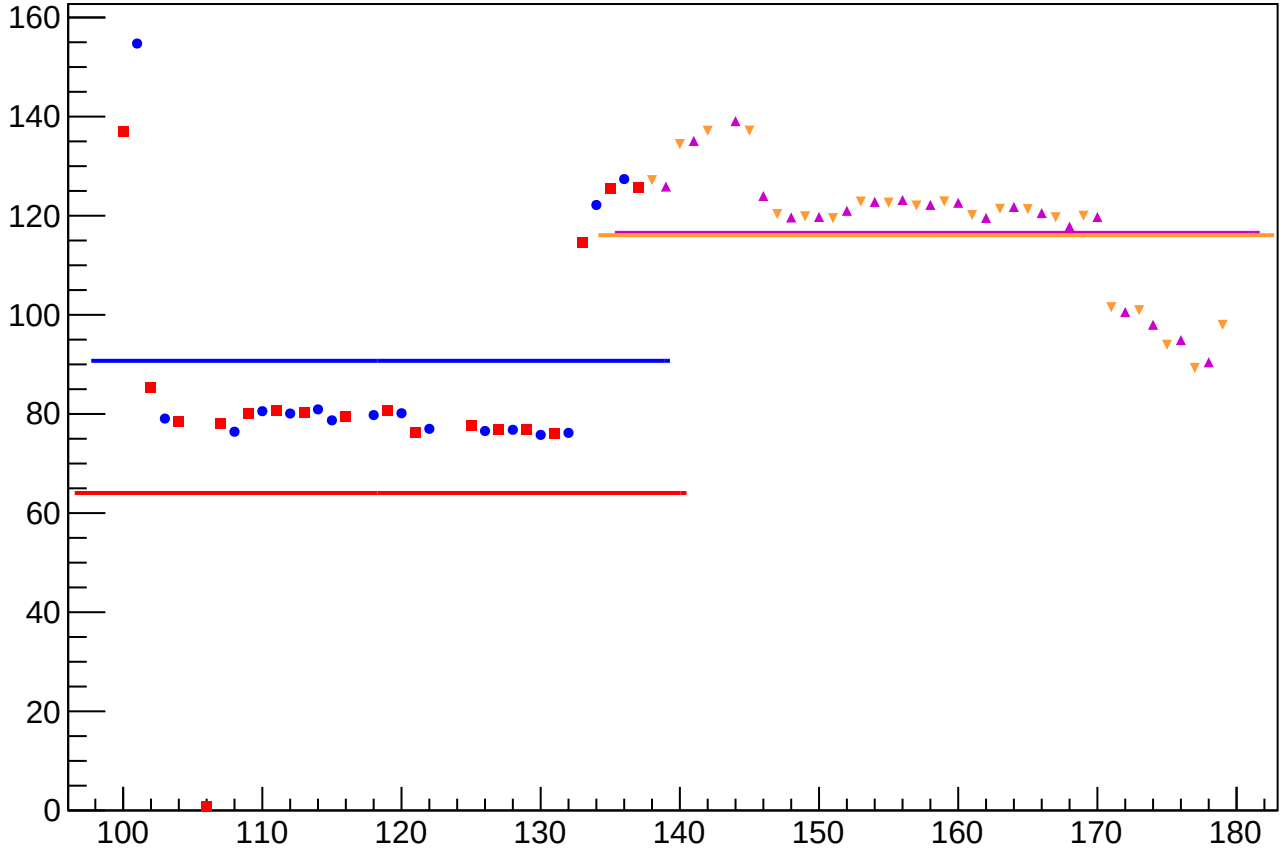
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -53.272+/-0.621 χ^2/NDF:776.5/35

Out: -51.605+/-0.607 χ^2/NDF:980.1/38

All: -52.420+/-0.434 χ^2/NDF: 1760.2/74

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 116.070+/-0.038 χ^2/NDF:123742.4/20

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 116.544+/-0.038 χ^2/NDF:112529.8/19

Left: 116.309+/-0.027 χ^2/NDF: 236349.9/40

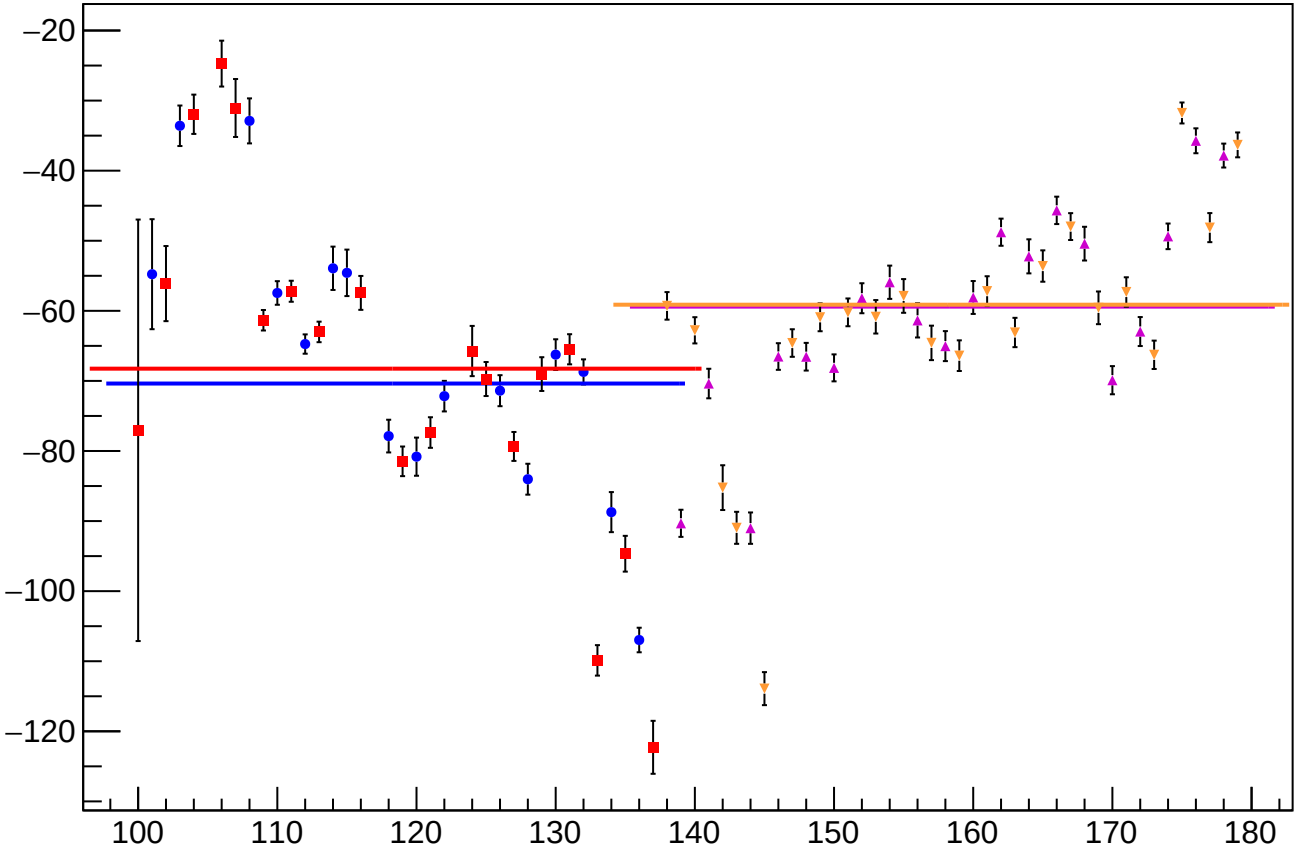
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 108.937+/-0.032 χ^2/NDF:411148.0/35

Out: 96.605+/-0.030 χ^2/NDF:1481268.8/38

All: 102.455+/-0.022 χ^2/NDF: 1971736.9/74

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -59.125+/-0.444 χ^2/NDF:1417.1/21

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -59.399+/-0.458 χ^2/NDF:1039.1/19

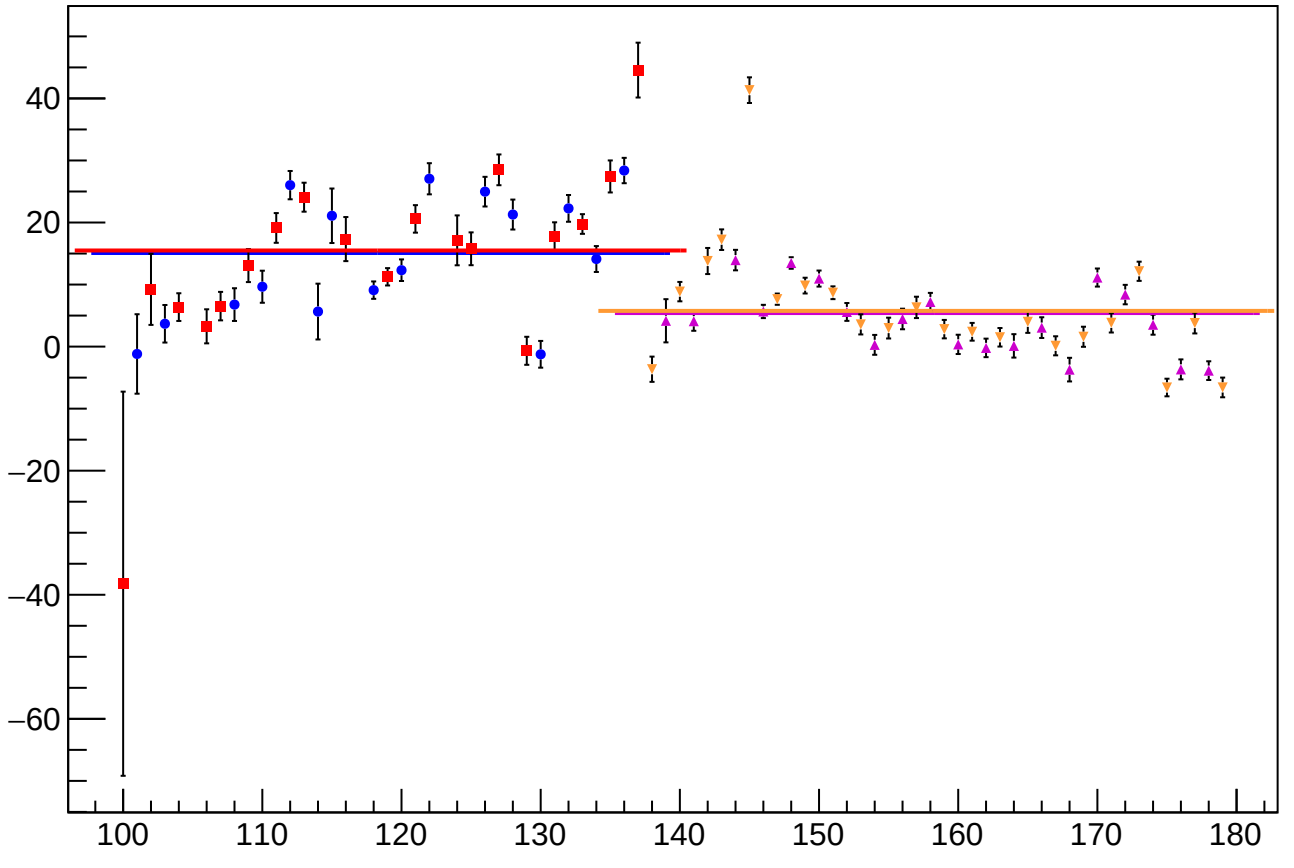
Left: -59.258+/-0.319 χ^2/NDF: 2456.3/41

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -63.818+/-0.354 χ^2/NDF:2245.3/35

Out: -62.915+/-0.339 χ^2/NDF:2898.6/40

All: -63.348+/-0.245 χ^2/NDF: 5147.3/76



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 5.756+/-0.318 χ^2/NDF:605.3/21

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 5.409+/-0.332 χ^2/NDF:280.6/19

Left: 5.590+/-0.230 χ^2/NDF: 886.5/41

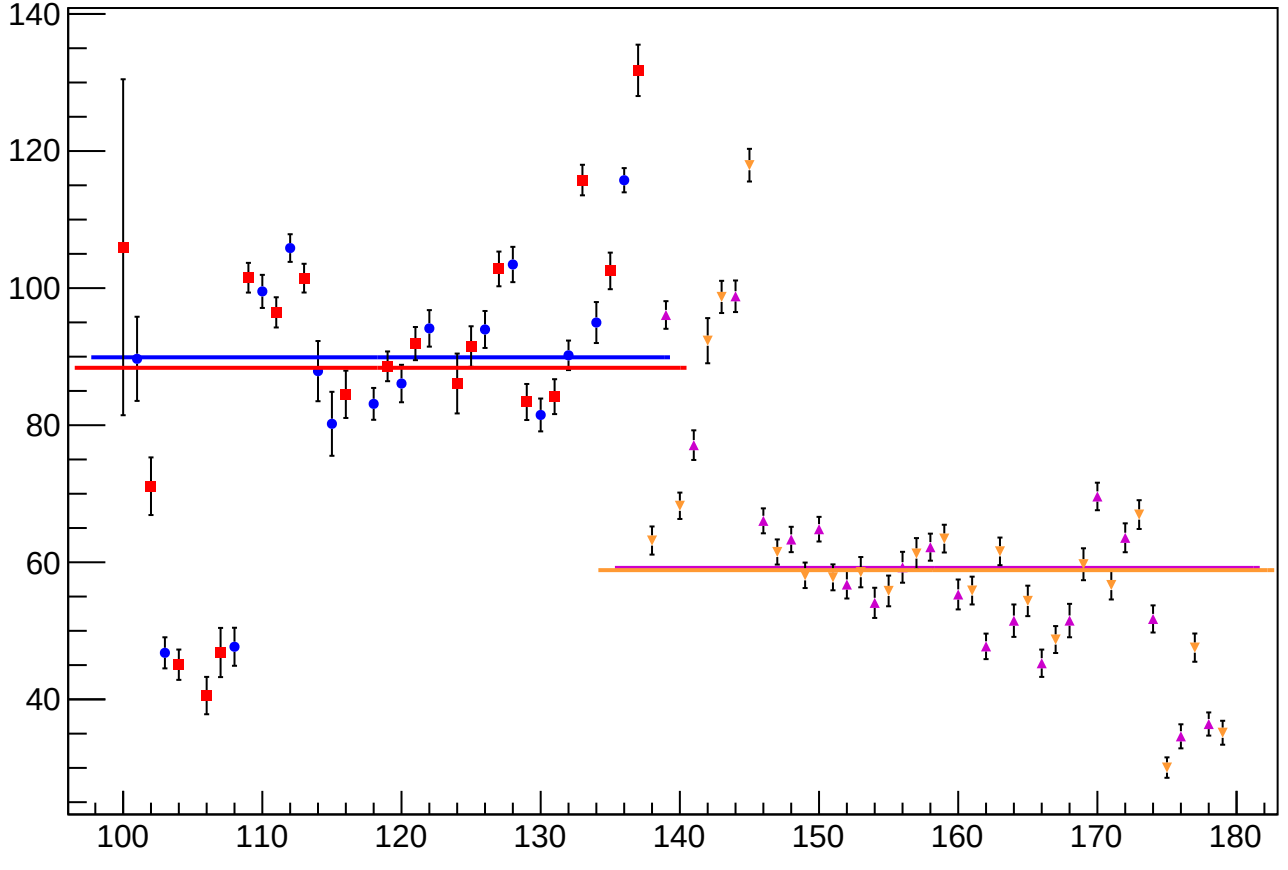
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 7.795+/-0.288 χ^2/NDF:732.5/35

Out: 8.136+/-0.276 χ^2/NDF:1074.4/40

All: 7.973+/-0.199 χ^2/NDF: 1807.6/76

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 58.853+/-0.436 χ^2/NDF:1683.6/21

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 59.181+/-0.449 χ^2/NDF:1270.2/19

Left: 59.012+/-0.313 χ^2/NDF: 2954.1/41

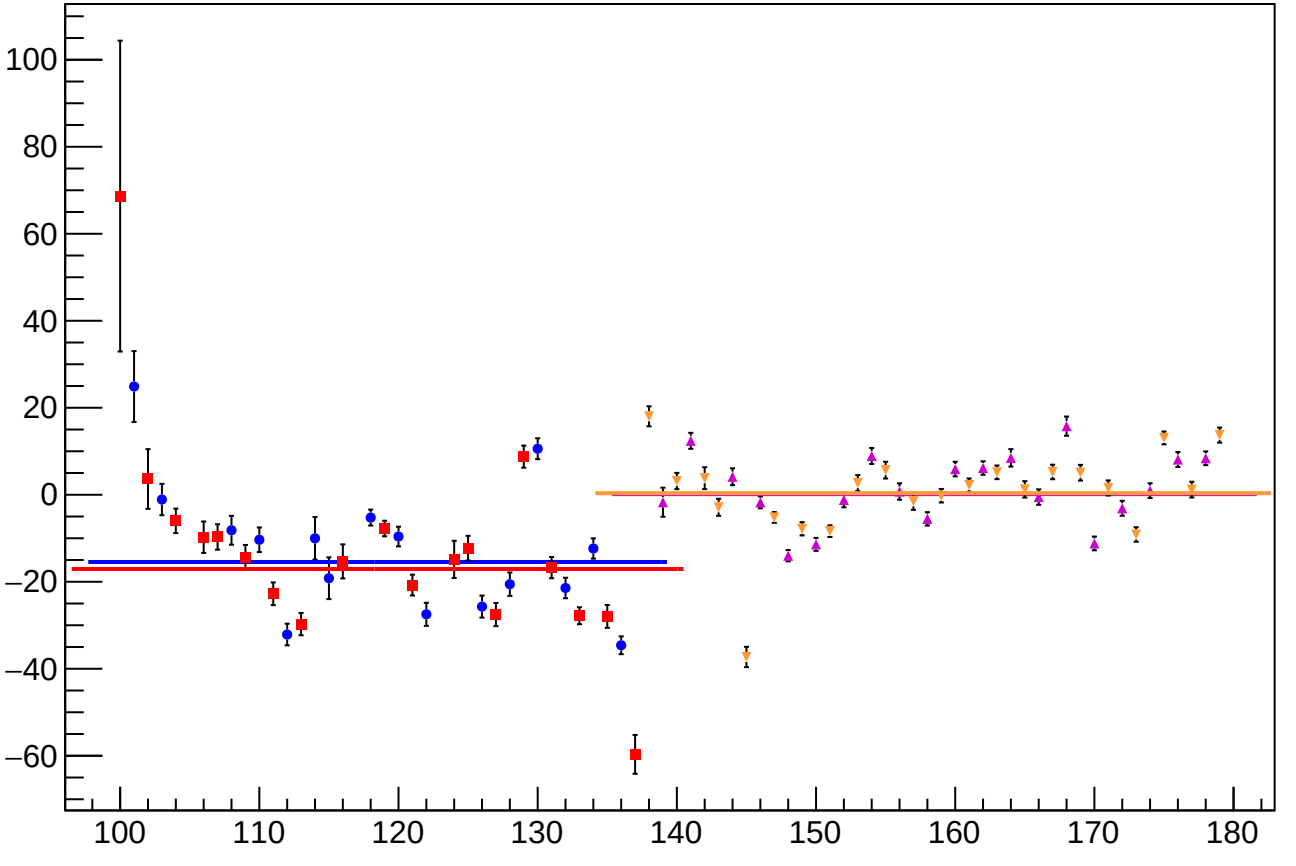
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 69.314+/-0.368 χ^2/NDF:3759.4/35

Out: 68.667+/-0.356 χ^2/NDF:4498.7/40

All: 68.980+/-0.256 χ^2/NDF: 8259.6/76

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: 0.369+/-0.364 χ^2/NDF:618.9/21

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.144+/-0.379 χ^2/NDF:465.0/19

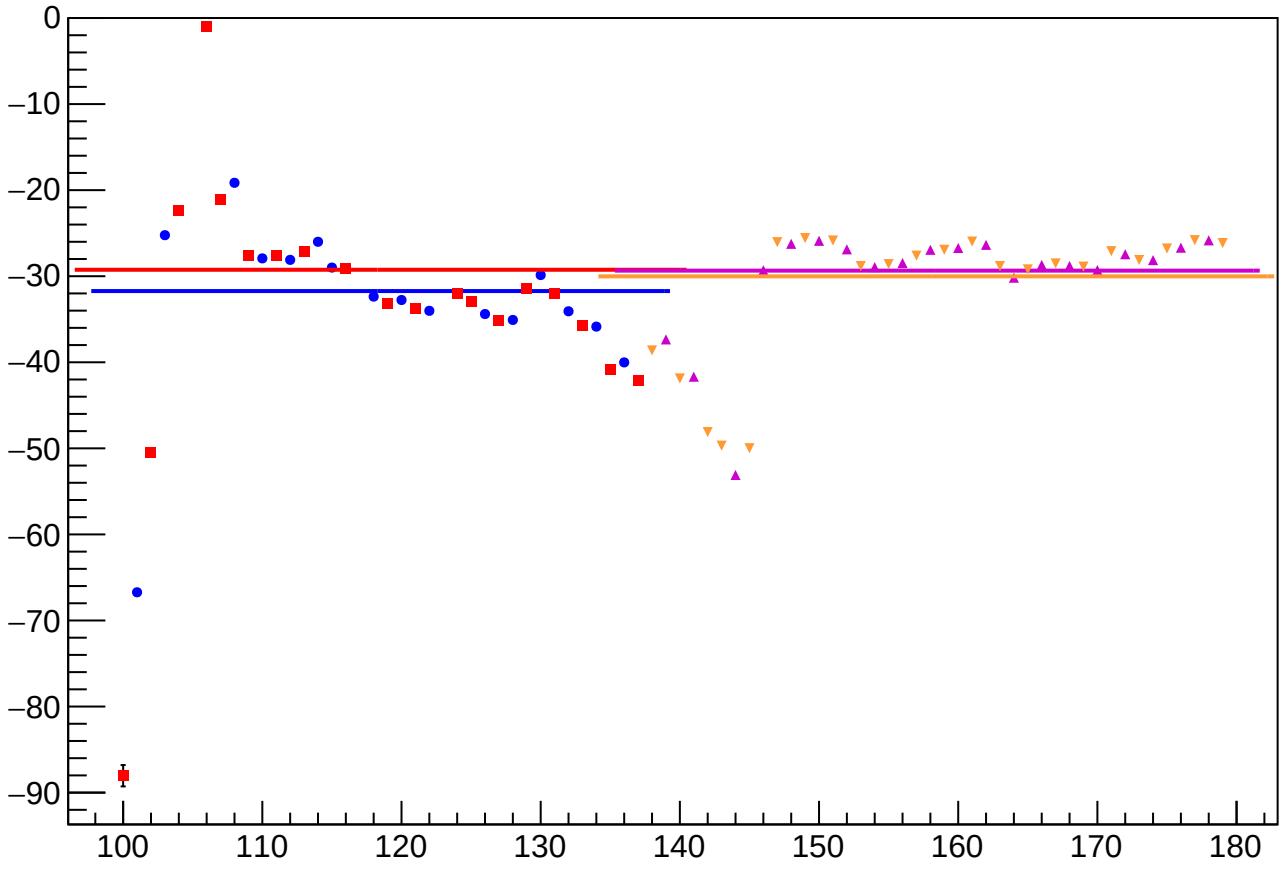
Left: 0.261+/-0.263 χ^2/NDF: 1084.1/41

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -3.681+/-0.330 χ^2/NDF:1266.2/35

Out: -3.864+/-0.317 χ^2/NDF:1535.5/40

All: -3.776+/-0.229 χ^2/NDF: 2801.8/76



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.017+/-0.017 χ^2/NDF:160980.8/21

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.351+/-0.017 χ^2/NDF:99006.9/19

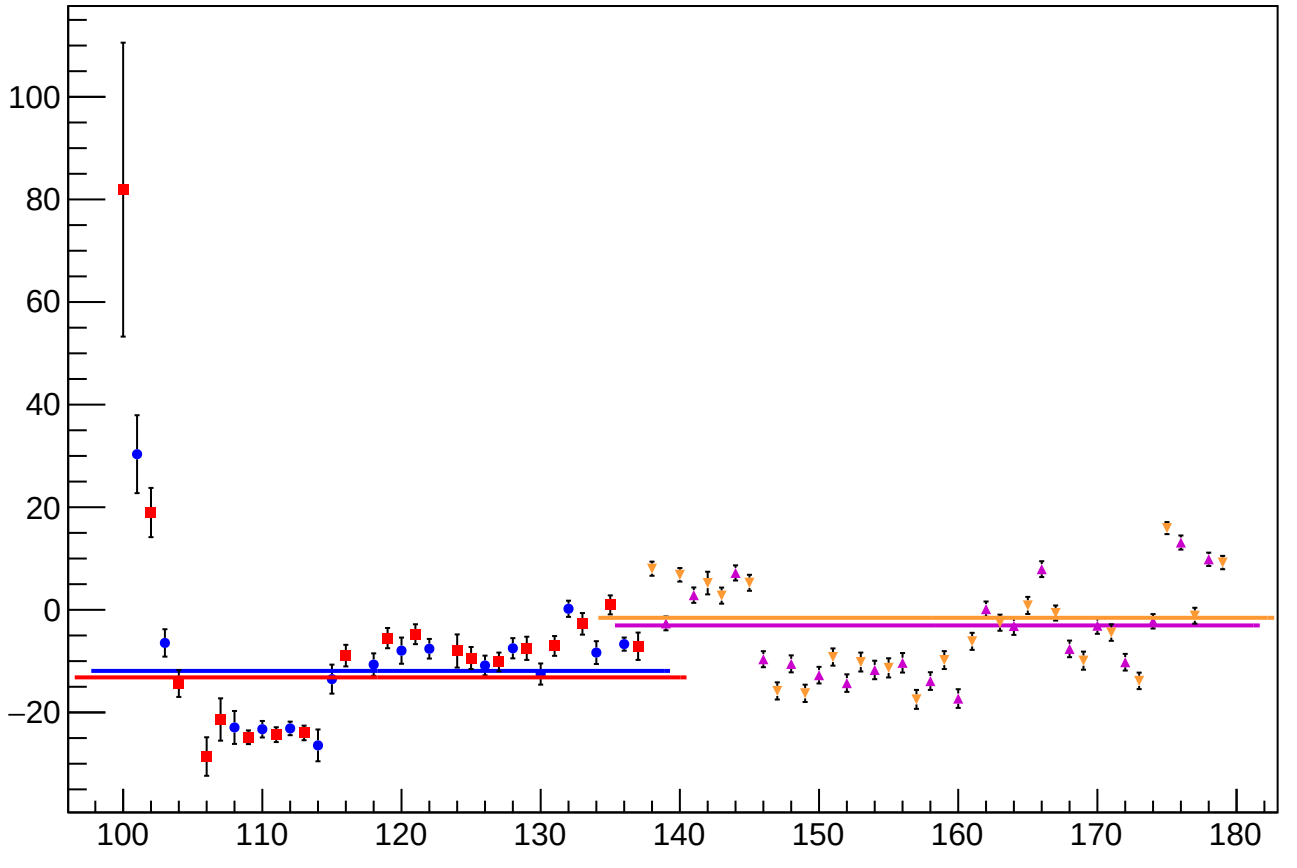
Left: -29.690+/-0.012 χ^2/NDF: 260773.2/41

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.736+/-0.016 χ^2/NDF:141825.9/35

Out: -29.896+/-0.015 χ^2/NDF:256551.7/40

All: -29.817+/-0.011 χ^2/NDF: 398431.5/76



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -1.555+/-0.337 χ^2/NDF:823.9/21

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -3.041+/-0.350 χ^2/NDF:638.6/19

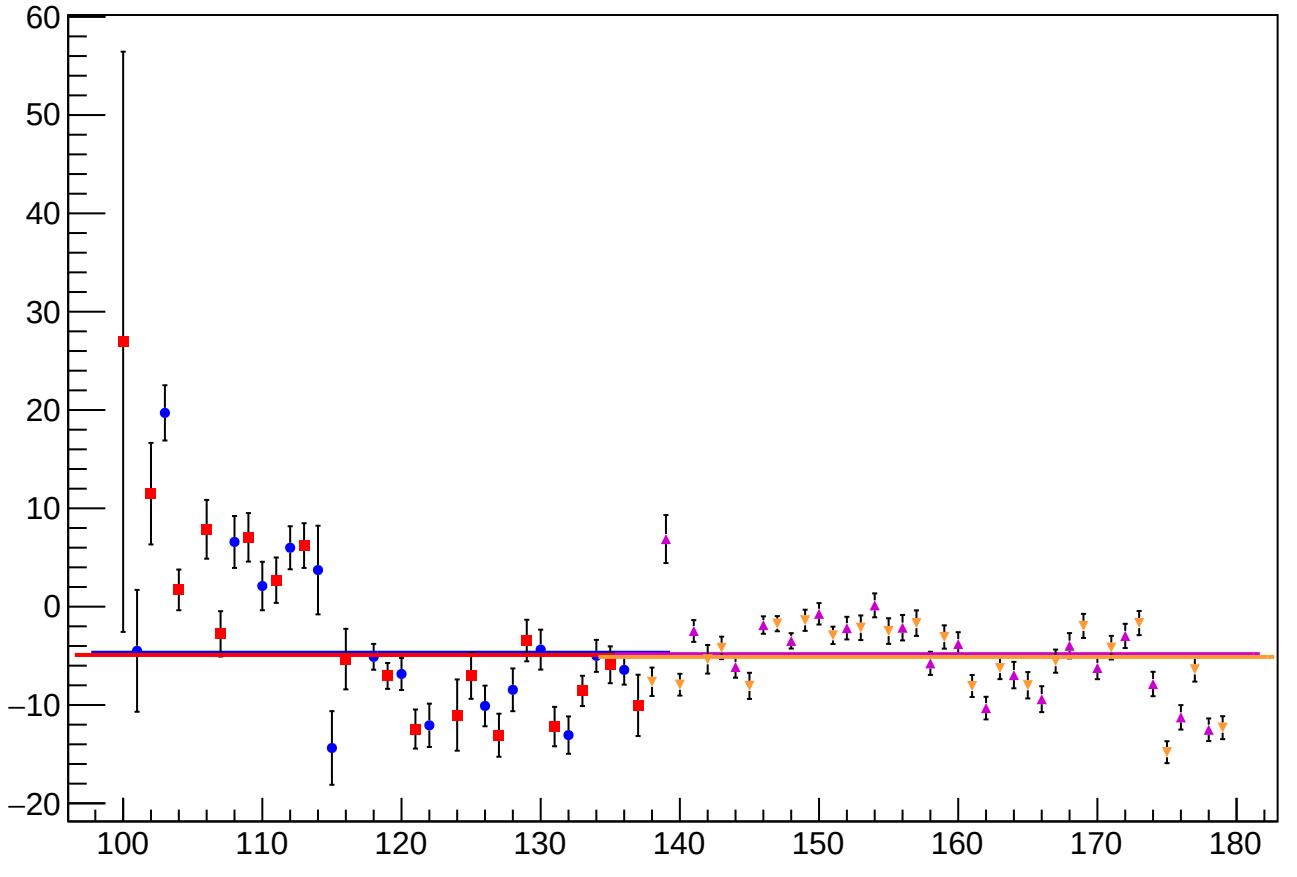
Left: -2.270+/-0.243 χ^2/NDF: 1471.8/41

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -5.984+/-0.286 χ^2/NDF:1133.4/35

Out: -5.390+/-0.276 χ^2/NDF:1637.4/40

All: -5.676+/-0.199 χ^2/NDF: 2773.0/76



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -5.111+/-0.246 χ^2/NDF:214.6/21

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -4.831+/-0.258 χ^2/NDF:203.8/19

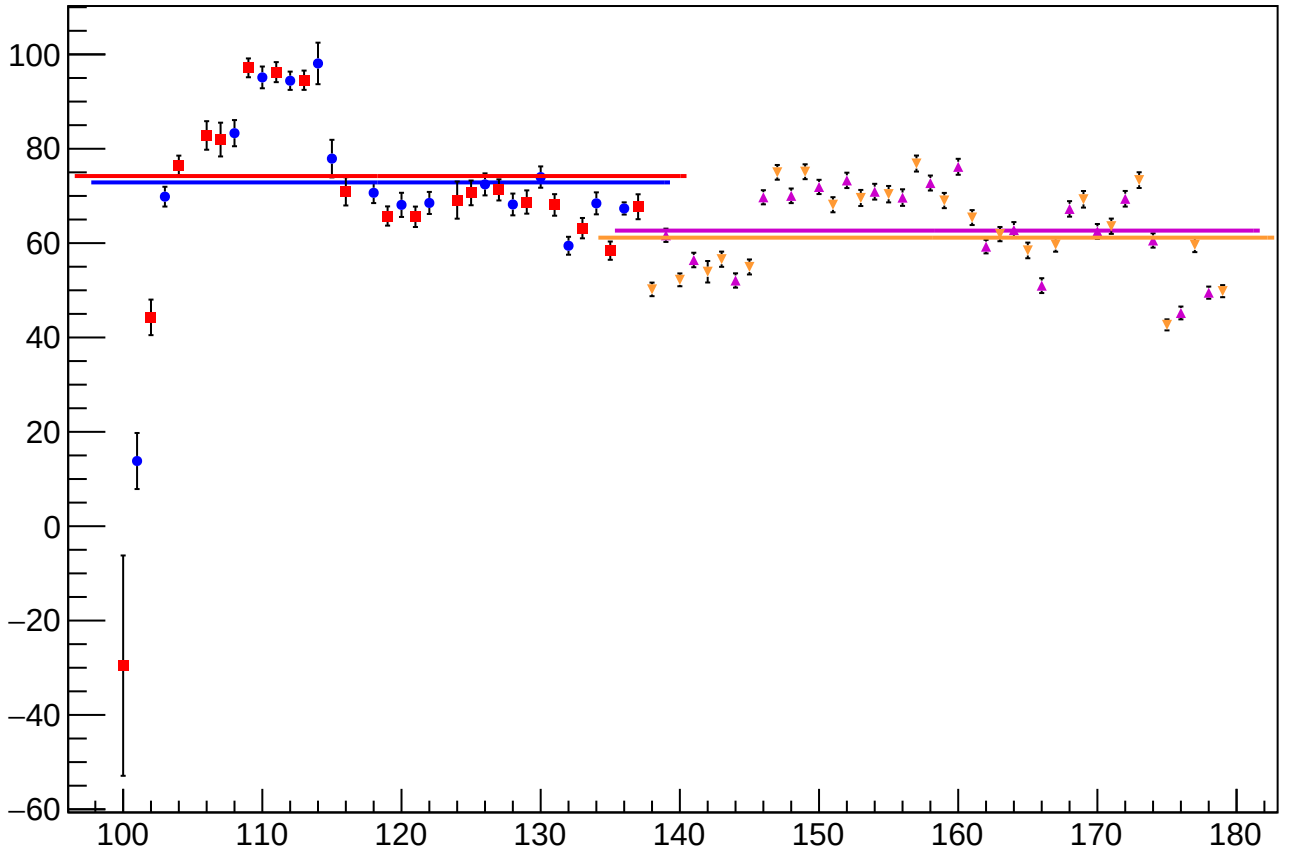
Left: -4.978+/-0.178 χ^2/NDF: 419.0/41

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.802+/-0.231 χ^2/NDF:382.9/35

Out: -5.074+/-0.222 χ^2/NDF:370.6/40

All: -4.944+/-0.160 χ^2/NDF: 754.2/76



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.159+/-0.332 χ^2/NDF:888.4/21

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 62.653+/-0.345 χ^2/NDF:690.4/19

Left: 61.879+/-0.239 χ^2/NDF: 1588.5/41

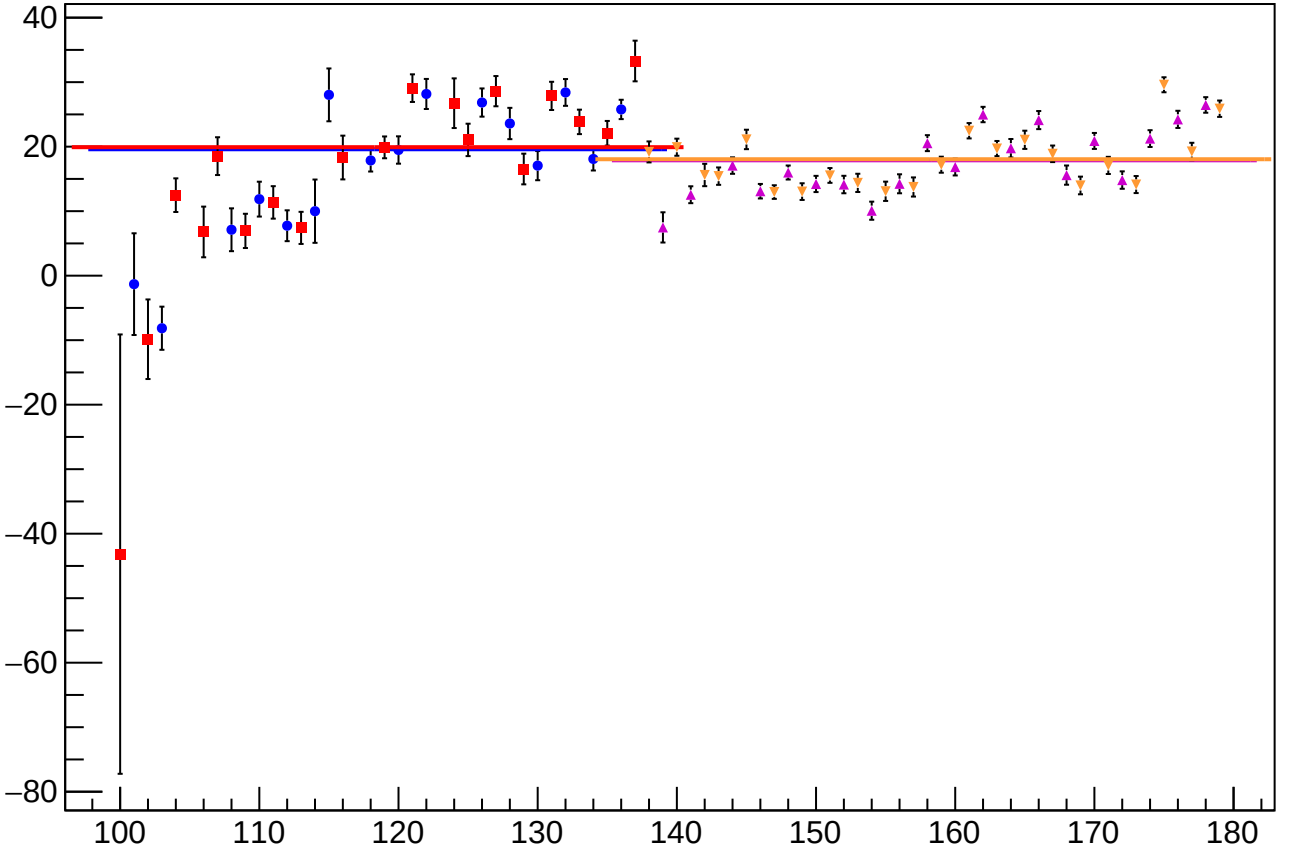
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 65.422+/-0.294 χ^2/NDF:1378.9/35

Out: 64.538+/-0.286 χ^2/NDF:1874.4/40

All: 64.967+/-0.205 χ^2/NDF: 3257.9/76

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 18.050+/-0.281 χ^2/NDF:258.5/21

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 17.885+/-0.294 χ^2/NDF:266.7/19

Left: 17.971+/-0.203 χ^2/NDF: 525.4/41

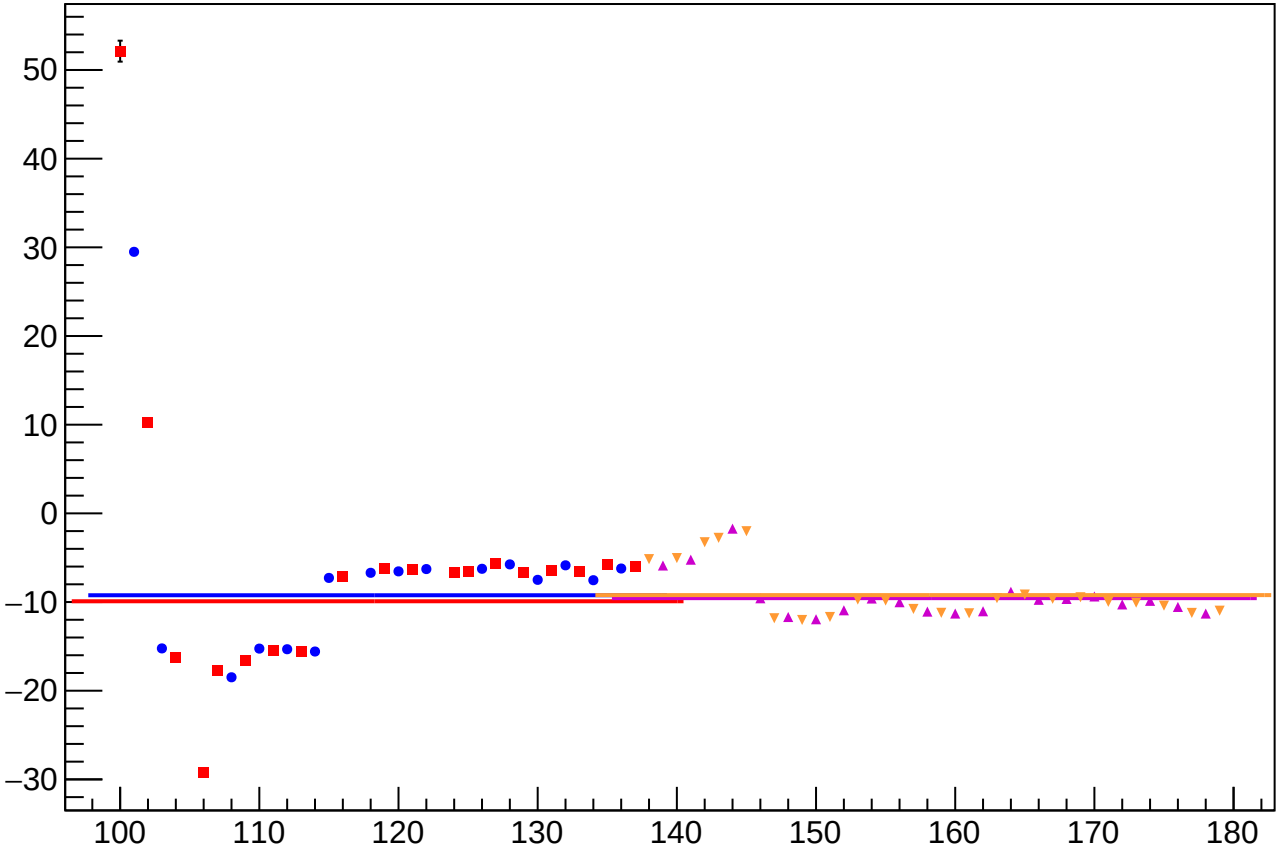
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 18.229+/-0.263 χ^2/NDF:469.5/35

Out: 18.400+/-0.253 χ^2/NDF:448.2/40

All: 18.318+/-0.182 χ^2/NDF: 917.9/76

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -9.218+/-0.013 χ^2/NDF:48148.5/21

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.561+/-0.013 χ^2/NDF:30673.5/19

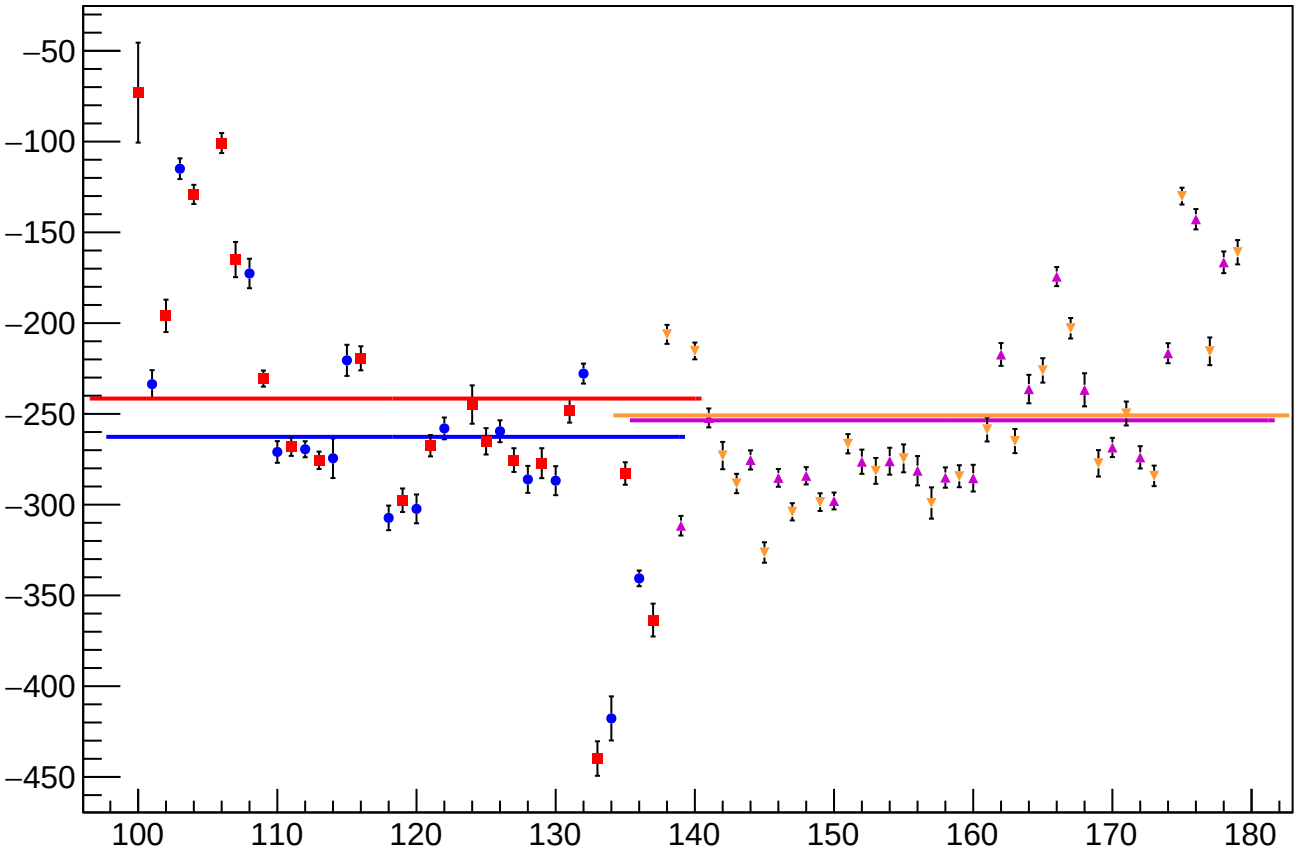
Left: -9.386+/-0.009 χ^2/NDF: 79178.7/41

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.517+/-0.012 χ^2/NDF:61918.1/35

Out: -9.301+/-0.012 χ^2/NDF:102369.7/40

All: -9.408+/-0.008 χ^2/NDF: 164449.7/76



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -250.831+/-1.265 χ^2/NDF:1711.0/21

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -253.544+/-1.302 χ^2/NDF:1325.9/19

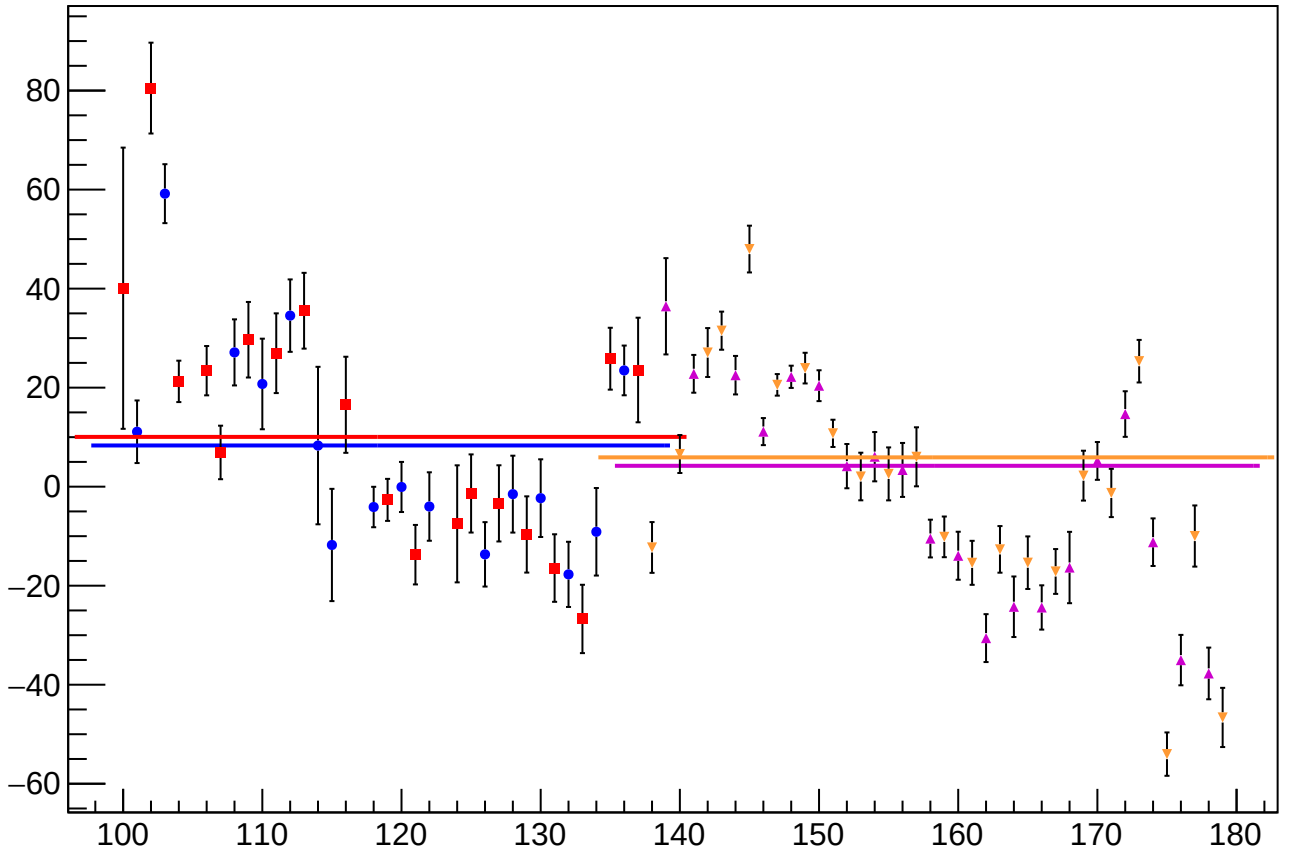
Left: -252.149+/-0.907 χ^2/NDF: 3039.2/41

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -257.132+/-1.013 χ^2/NDF:2799.5/35

Out: -246.990+/-0.969 χ^2/NDF:3871.9/40

All: -251.833+/-0.700 χ^2/NDF: 6723.7/76



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 5.920+/-0.879 χ^2/NDF:627.8/21

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 4.215+/-0.917 χ^2/NDF:445.3/19

Left: 5.104+/-0.635 χ^2/NDF: 1074.9/41

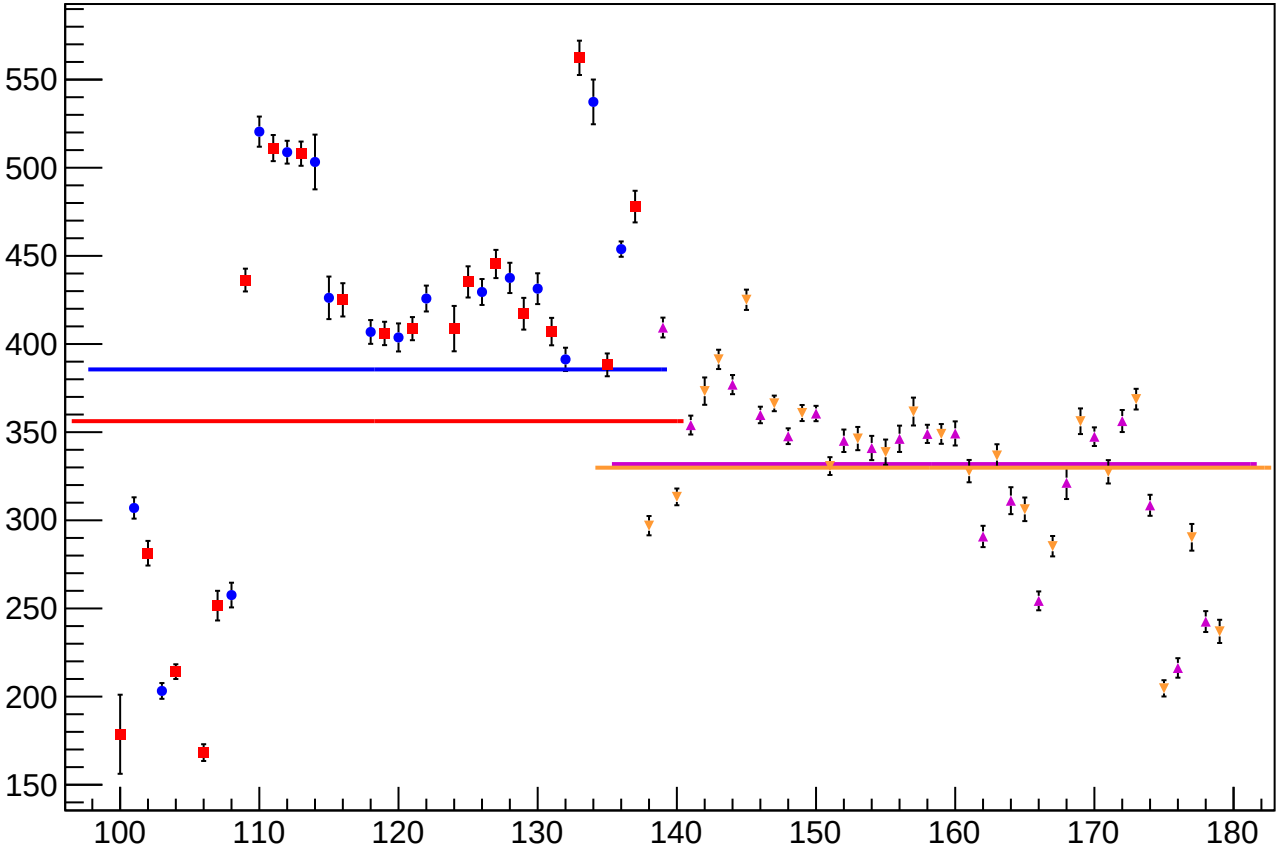
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 5.190+/-0.801 χ^2/NDF:607.7/35

Out: 6.937+/-0.763 χ^2/NDF:820.7/40

All: 6.105+/-0.553 χ^2/NDF: 1430.8/76

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 329.856+/-1.244 χ^2/NDF:1720.2/21

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 331.896+/-1.277 χ^2/NDF:1362.5/19

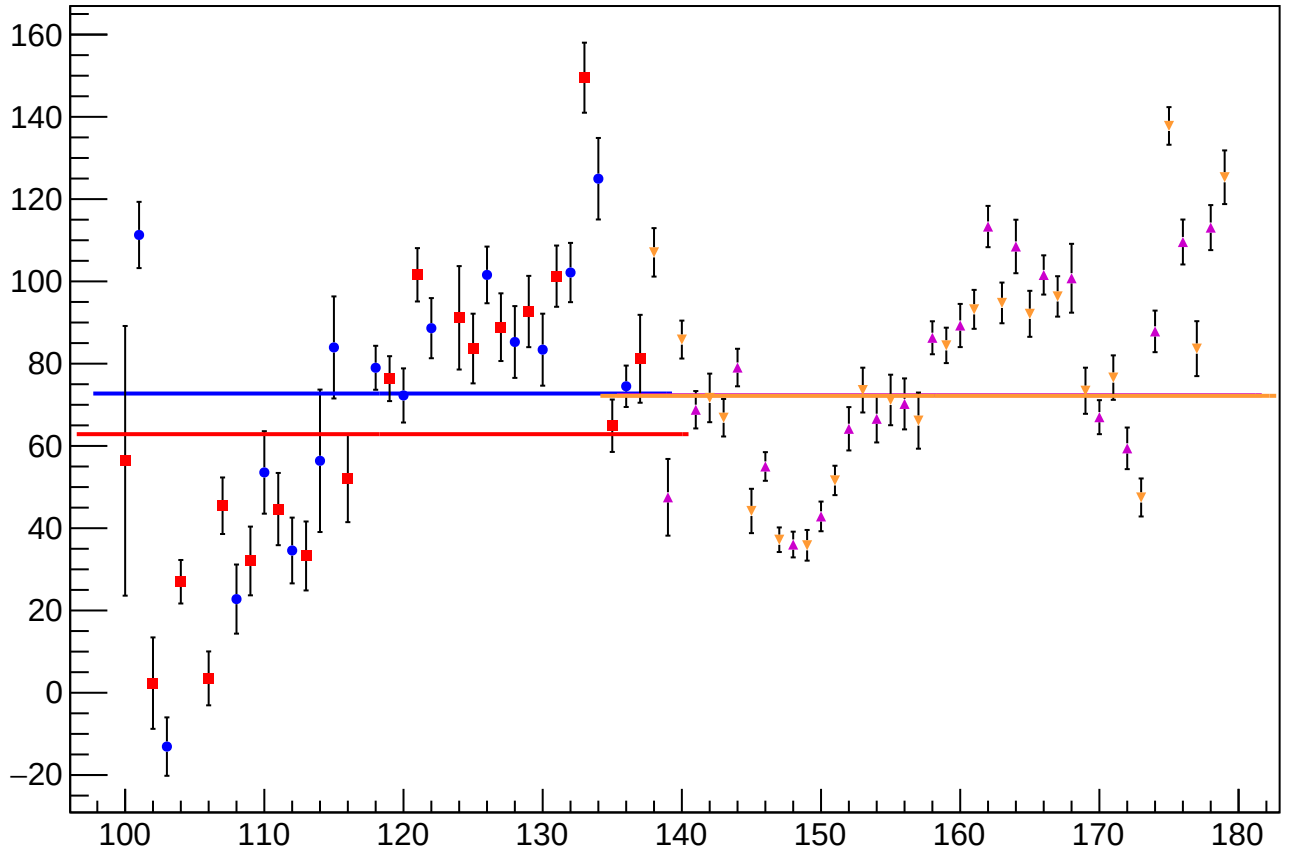
Left: 330.849+/-0.891 χ^2/NDF: 3084.0/41

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 350.658+/-1.030 χ^2/NDF:5353.5/35

Out: 339.444+/-0.992 χ^2/NDF:7154.0/40

All: 344.843+/-0.715 χ^2/NDF: 12569.0/76



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 72.183+/-1.026 χ^2/NDF:727.9/21

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 72.325+/-1.063 χ^2/NDF:528.4/19

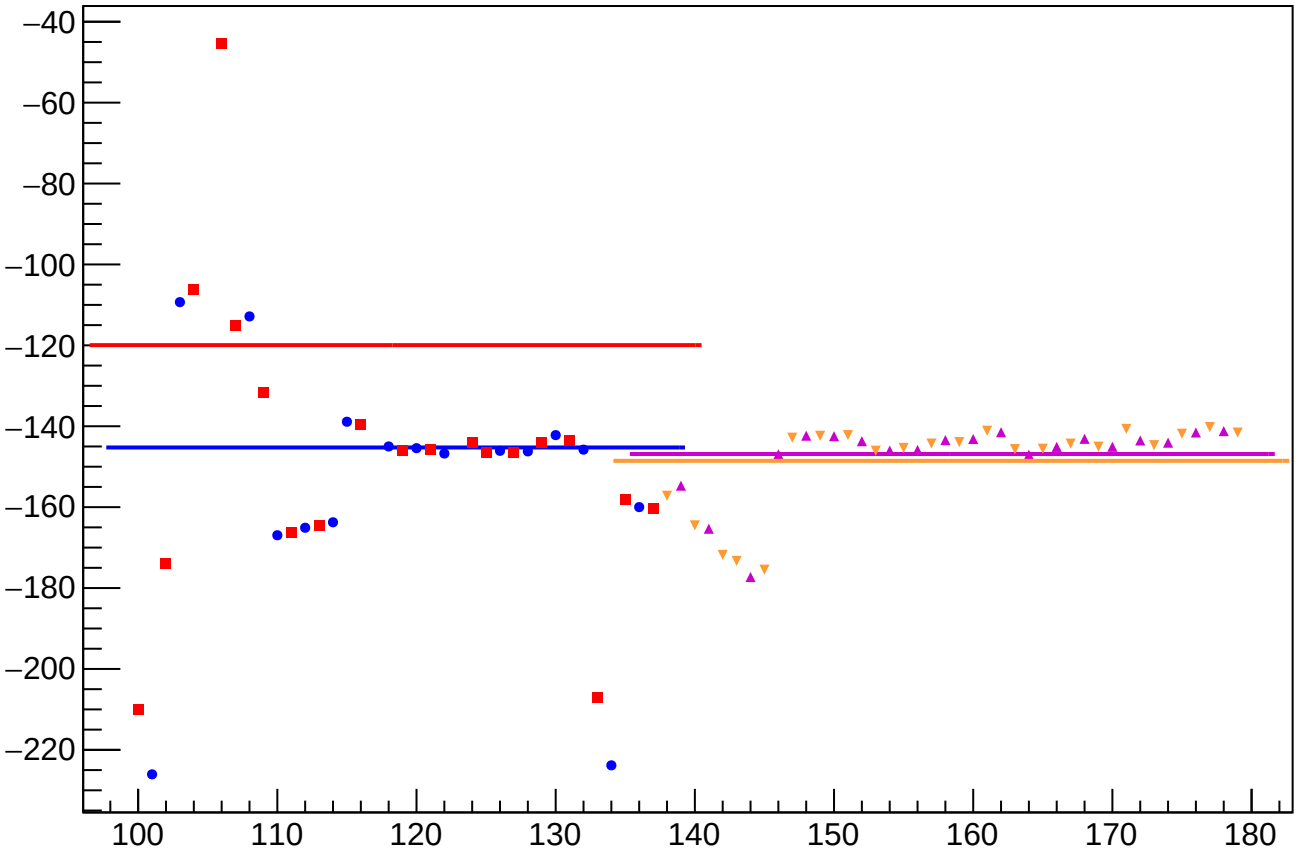
Left: 72.251+/-0.738 χ^2/NDF: 1256.3/41

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 72.424+/-0.927 χ^2/NDF:832.7/35

Out: 69.888+/-0.891 χ^2/NDF:1151.9/40

All: 71.105+/-0.642 χ^2/NDF: 1988.5/76



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.551+/-0.048 χ^2/NDF:48242.7/21

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -146.858+/-0.049 χ^2/NDF:28559.3/19

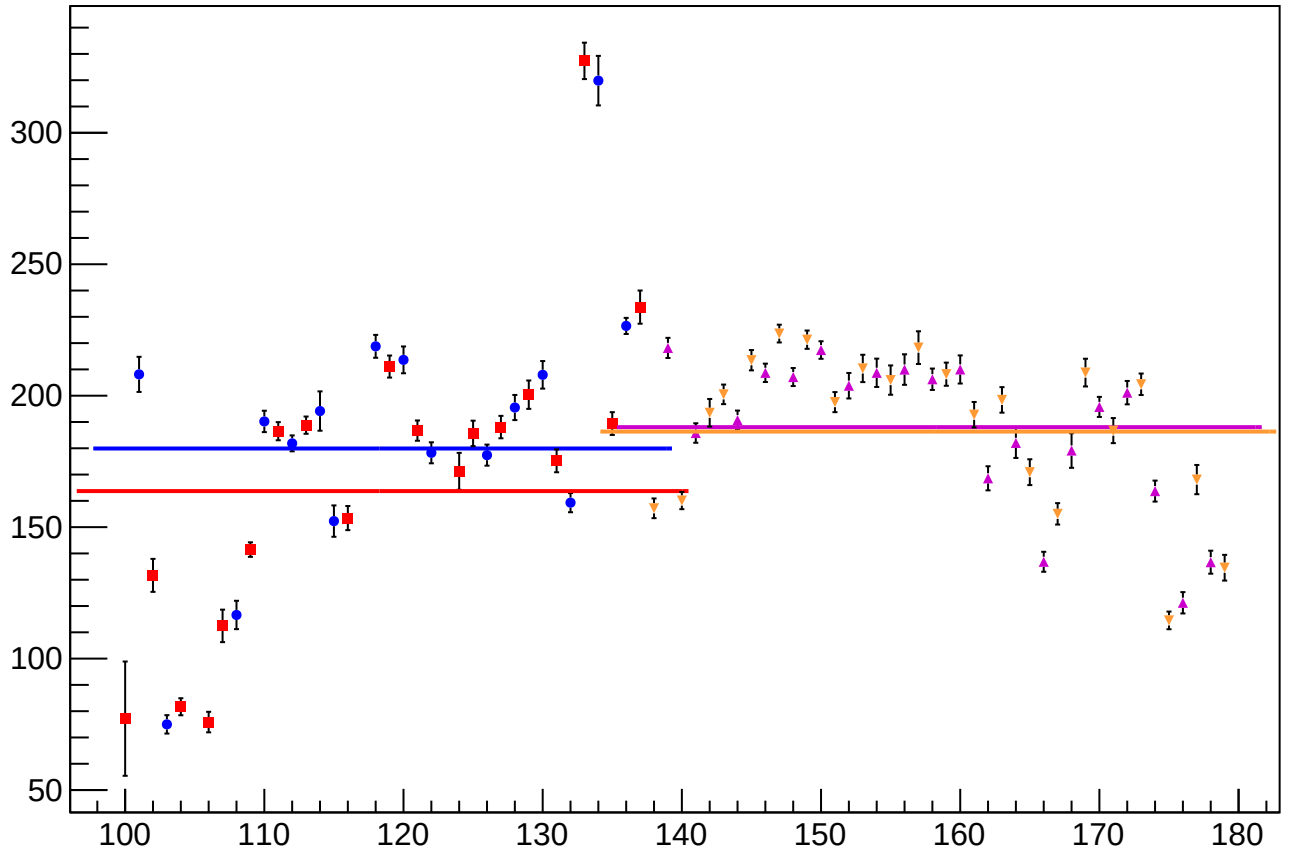
Left: -147.712+/-0.034 χ^2/NDF: 77412.2/41

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.541+/-0.044 χ^2/NDF:160832.3/35

Out: -142.049+/-0.042 χ^2/NDF:398462.7/40

All: -144.232+/-0.030 χ^2/NDF: 564746.6/76



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 186.351+/-0.908 χ^2/NDF:1200.7/21

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 188.038+/-0.936 χ^2/NDF:943.7/19

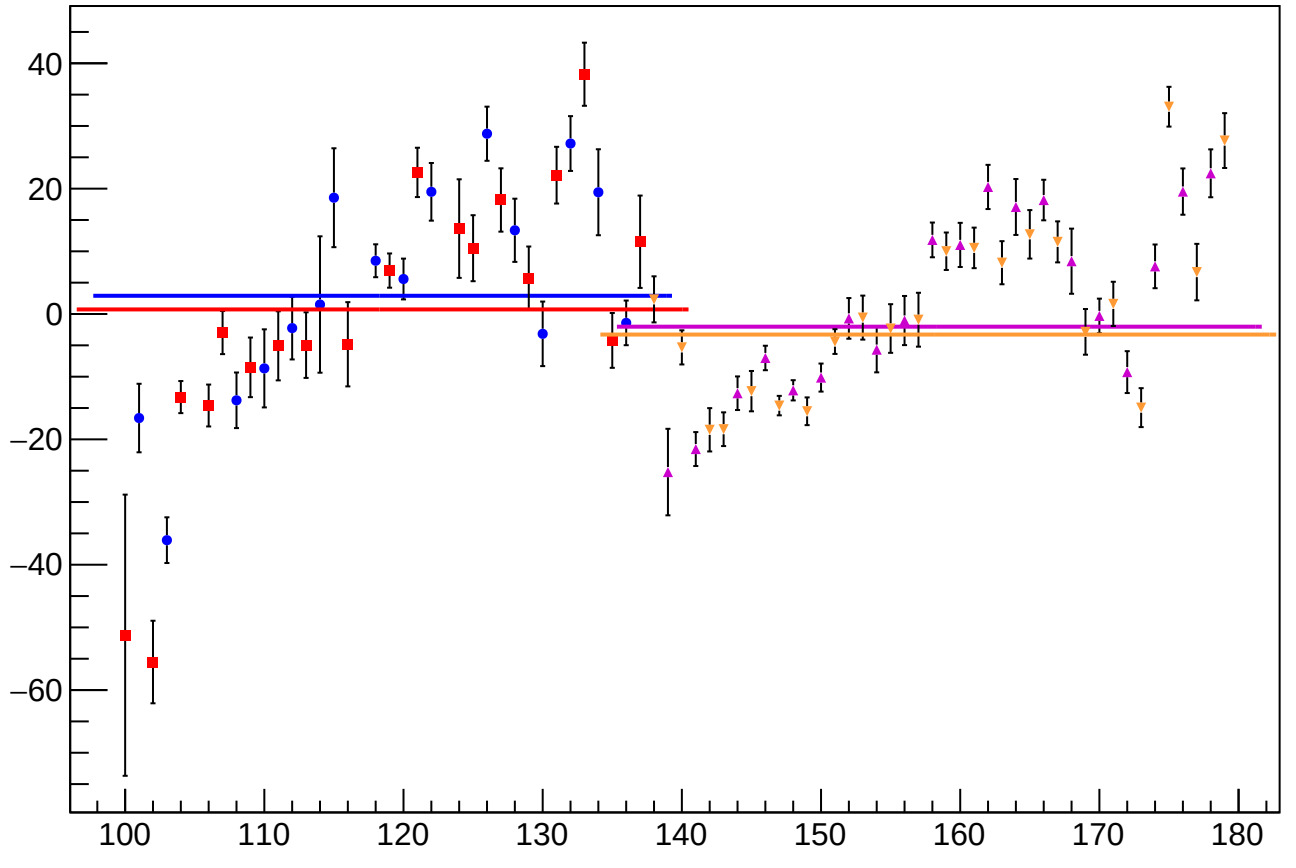
Left: 187.168+/-0.652 χ^2/NDF: 2146.1/41

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 184.586+/-0.710 χ^2/NDF:2708.3/35

Out: 176.136+/-0.672 χ^2/NDF:3898.2/40

All: 180.132+/-0.488 χ^2/NDF: 6681.2/76



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -3.280+/-0.630 χ^2/NDF:435.7/21

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -2.024+/-0.660 χ^2/NDF:367.4/19

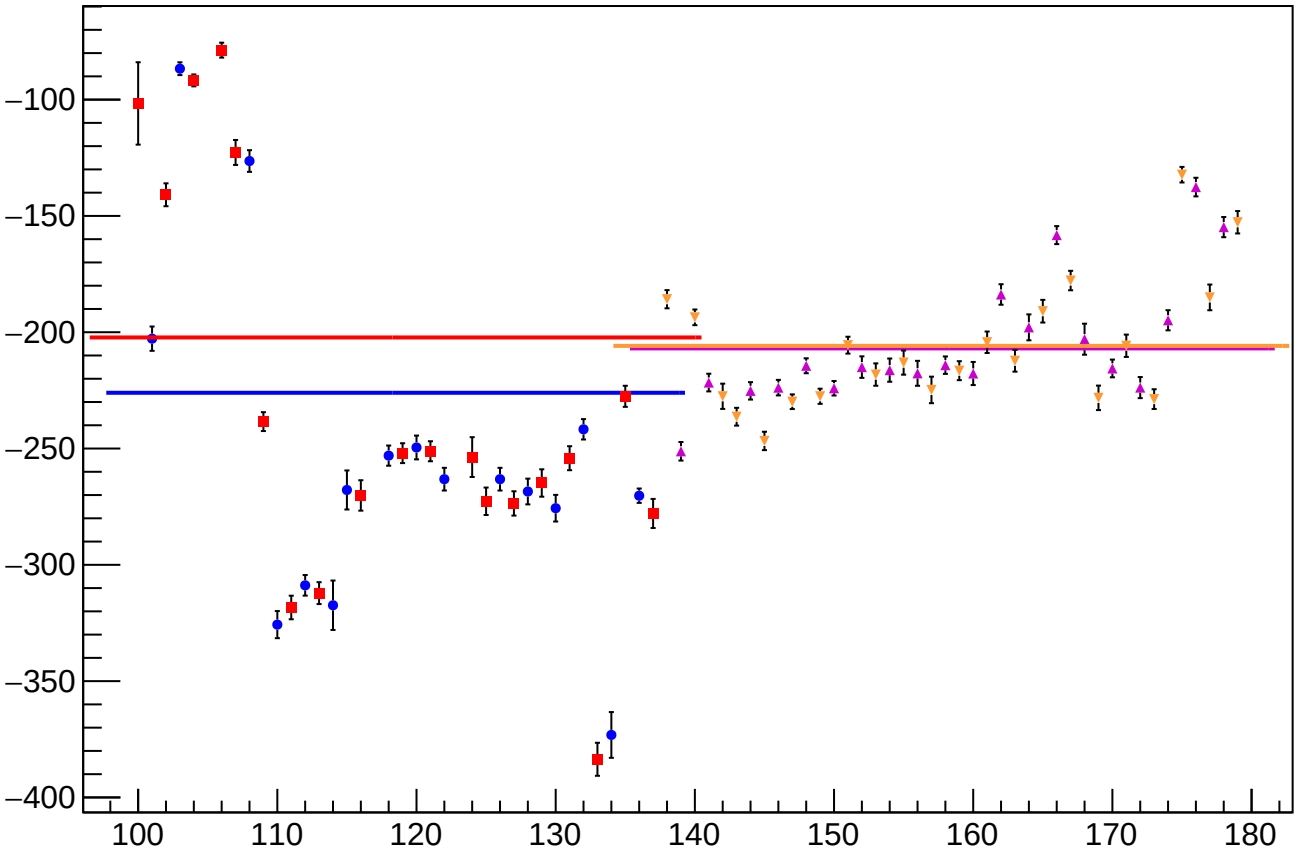
Left: -2.681+/-0.456 χ^2/NDF: 805.0/41

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -0.728+/-0.566 χ^2/NDF:629.6/35

Out: -2.160+/-0.535 χ^2/NDF:720.6/40

All: -1.485+/-0.389 χ^2/NDF: 1353.5/76



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -205.876+/-0.893 χ^2/NDF:1077.8/21

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -206.961+/-0.919 χ^2/NDF:901.3/19

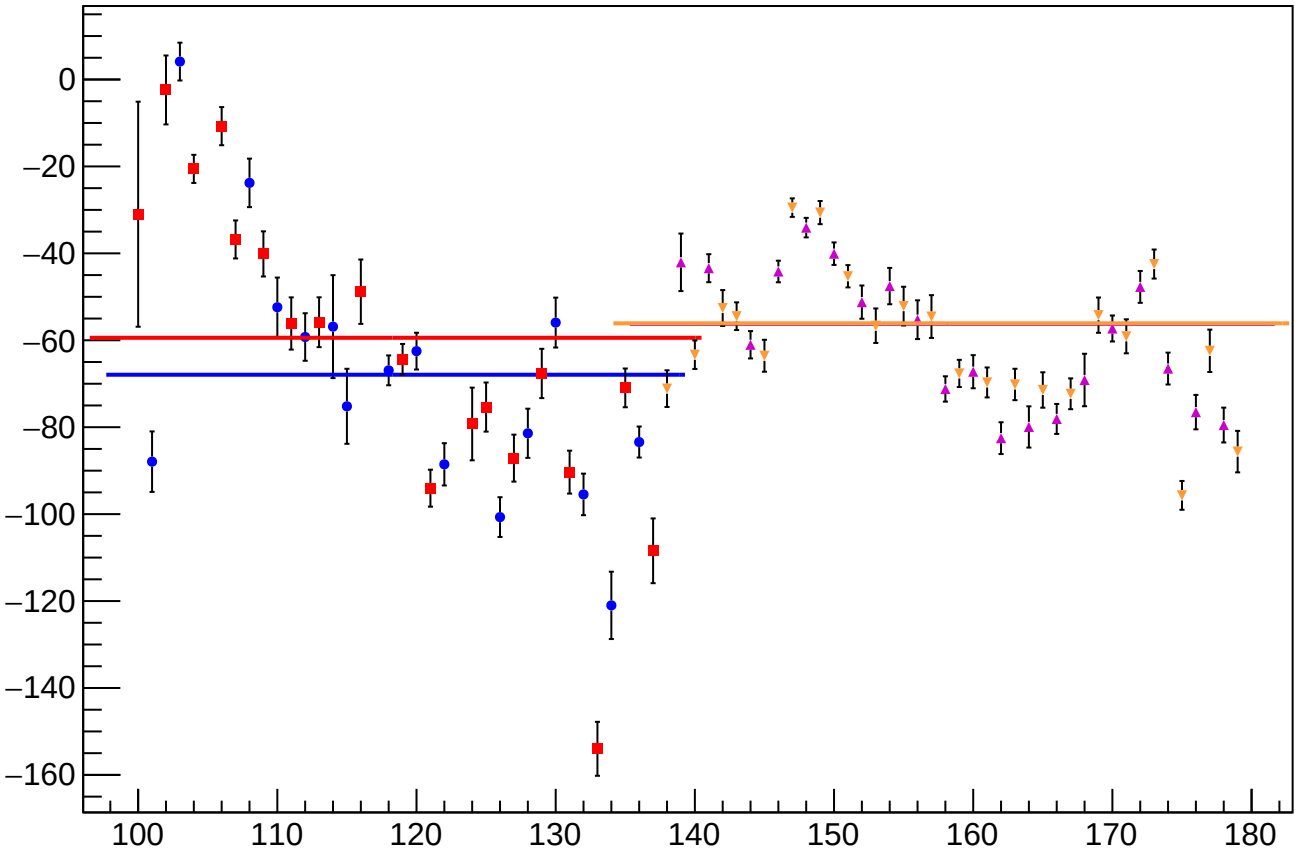
Left: -206.403+/-0.640 χ^2/NDF: 1979.8/41

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -214.193+/-0.724 χ^2/NDF:5603.8/35

Out: -204.414+/-0.690 χ^2/NDF:7775.2/40

All: -209.071+/-0.499 χ^2/NDF: 13474.7/76



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -56.099+/-0.736 χ^2/NDF:568.4/21

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -56.236+/-0.765 χ^2/NDF:418.0/19

Left: -56.165+/-0.530 χ^2/NDF: 986.4/41

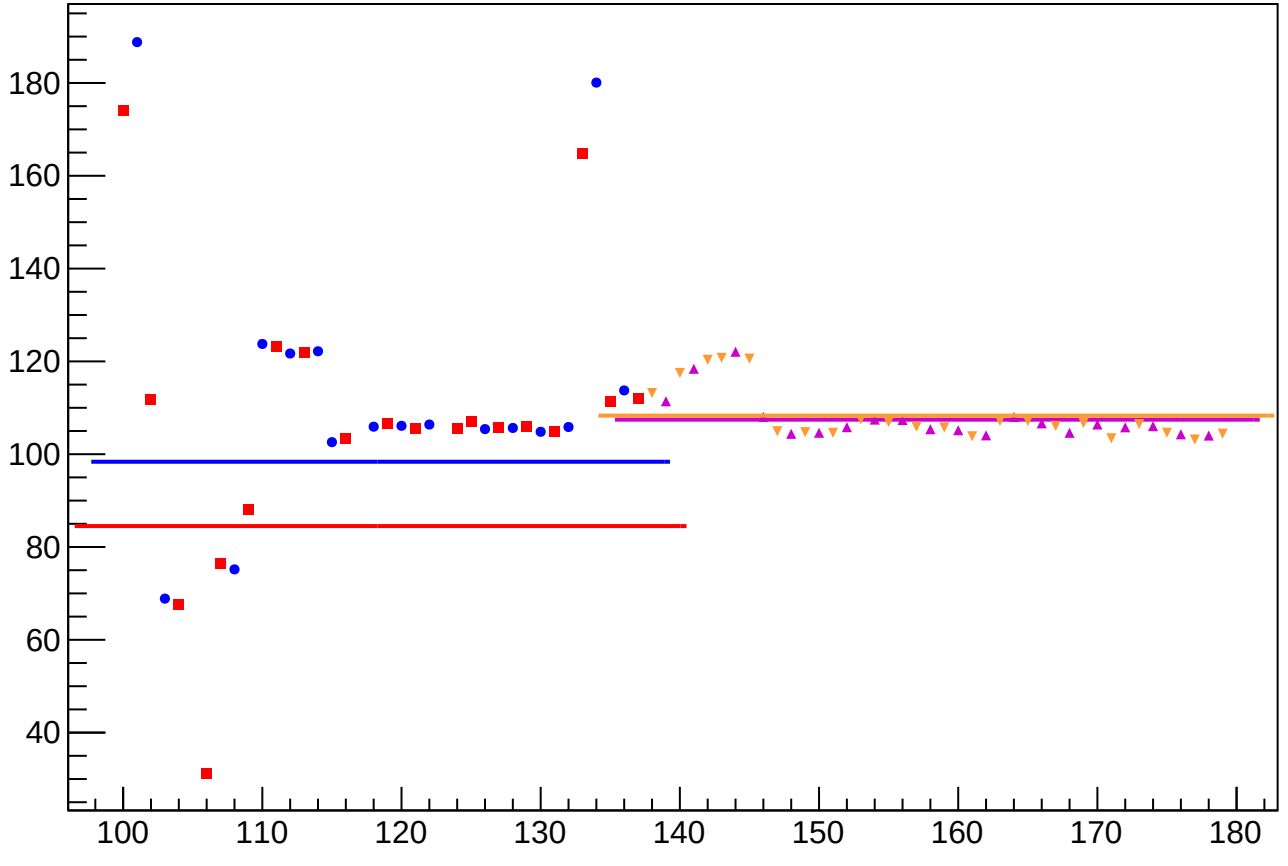
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -59.319+/-0.656 χ^2/NDF:1013.6/35

Out: -57.027+/-0.625 χ^2/NDF:1369.0/40

All: -58.118+/-0.453 χ^2/NDF: 2389.0/76

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.316+/-0.035 χ^2/NDF:26060.4/21

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.444+/-0.035 χ^2/NDF:16476.8/19

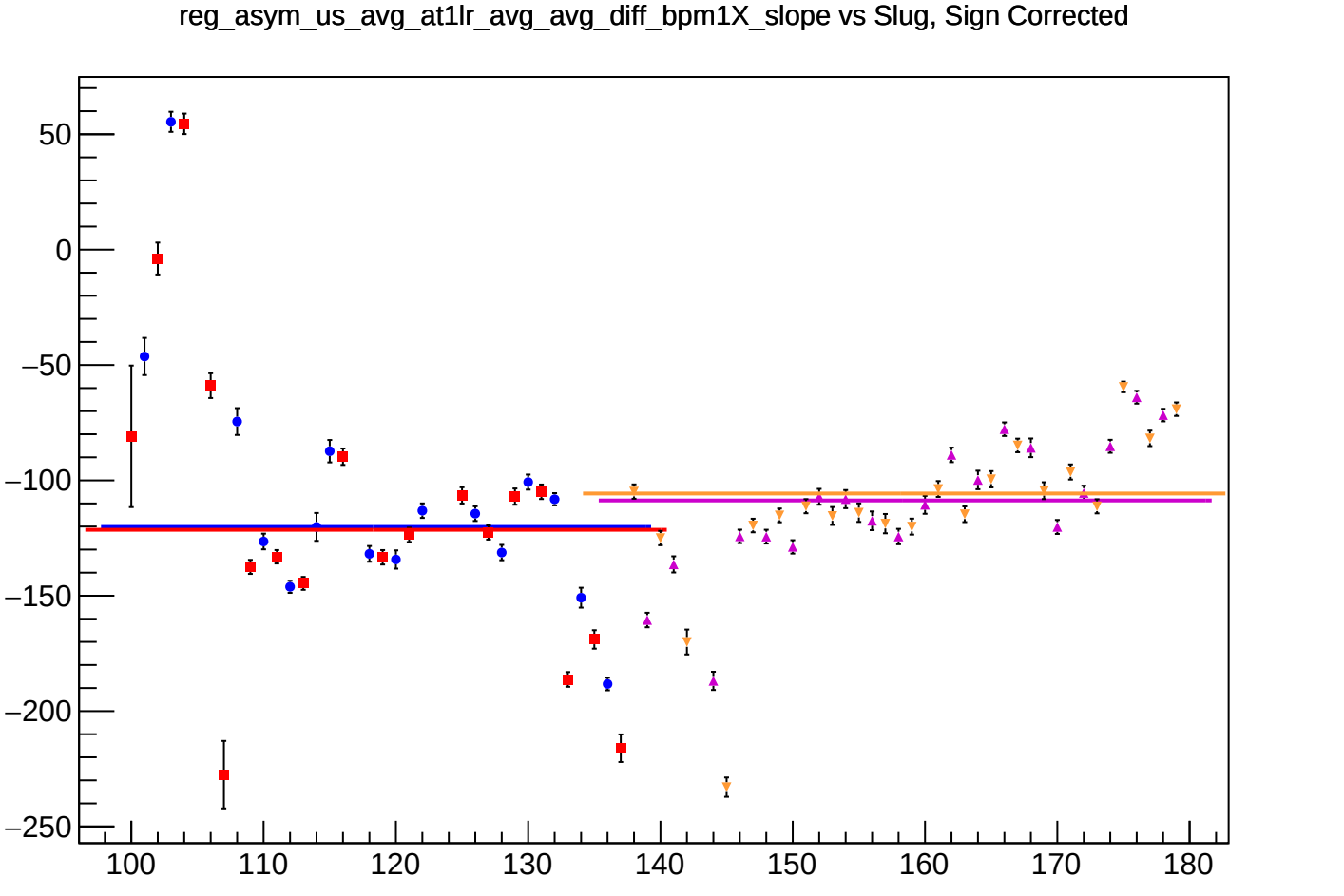
Left: 107.884+/-0.025 χ^2/NDF: 42849.7/41

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.452+/-0.031 χ^2/NDF:259604.3/35

Out: 102.446+/-0.030 χ^2/NDF:411101.1/40

All: 103.907+/-0.022 χ^2/NDF: 675550.5/76



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -105.688+/-0.718 χ^2/NDF:1858.5/20

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -108.702+/-0.725 χ^2/NDF:1575.3/19

Left: -107.181+/-0.510 χ^2/NDF: 3442.5/40

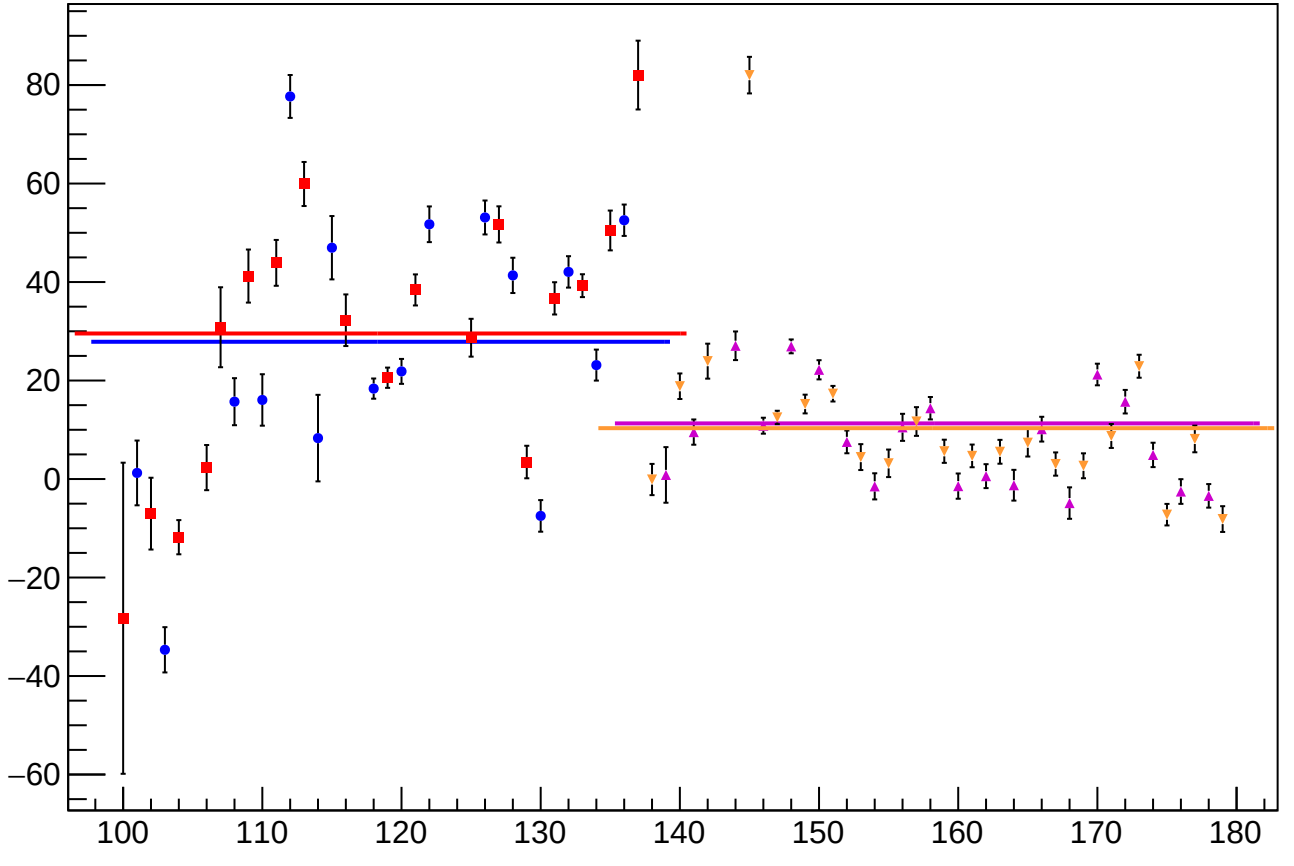
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -113.276+/-0.562 χ^2/NDF:4366.4/35

Out: -112.019+/-0.555 χ^2/NDF:5177.8/38

All: -112.640+/-0.395 χ^2/NDF: 9546.7/74

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 10.328+/-0.509 χ^2/NDF:627.4/20

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 11.298+/-0.522 χ^2/NDF:400.4/19

Left: 10.800+/-0.365 χ^2/NDF: 1029.6/40

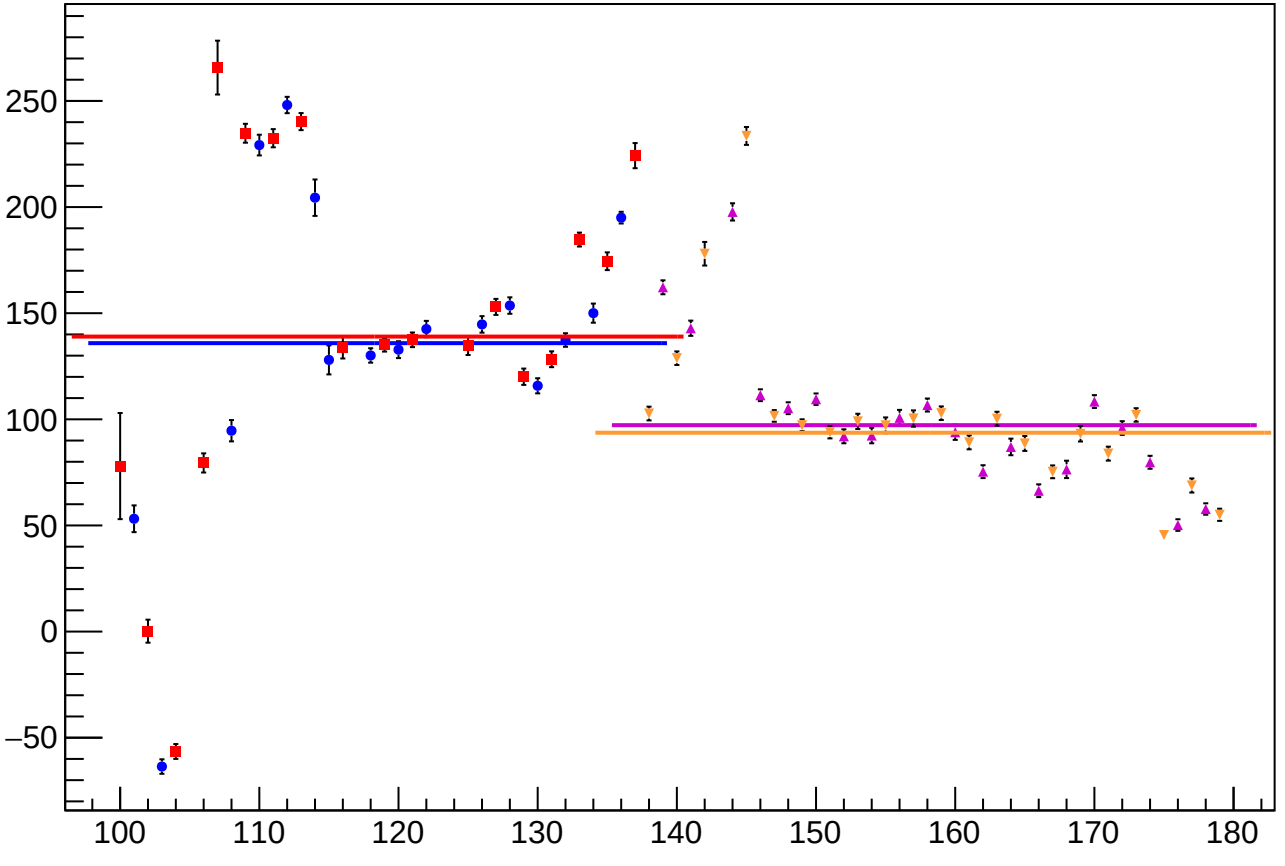
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 15.557+/-0.450 χ^2/NDF:1358.8/35

Out: 15.072+/-0.442 χ^2/NDF:1476.6/38

All: 15.310+/-0.315 χ^2/NDF: 2836.0/74

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 93.691+/-0.704 χ^2/NDF:2218.0/20

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 97.251+/-0.712 χ^2/NDF:1983.3/19

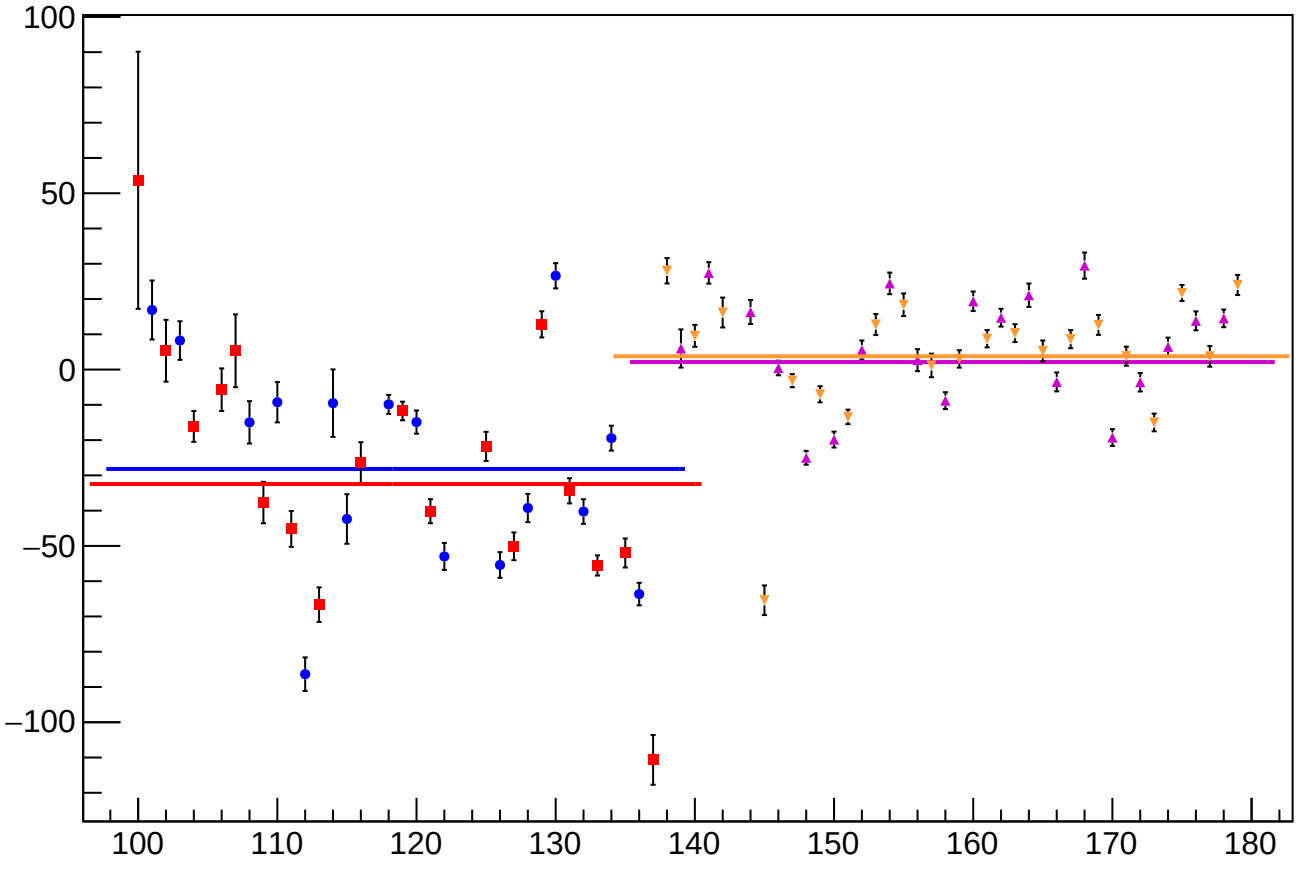
Left: 95.451+/-0.500 χ^2/NDF: 4214.0/40

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 110.261+/-0.579 χ^2/NDF:8439.8/35

Out: 108.727+/-0.575 χ^2/NDF:9749.7/38

All: 109.488+/-0.408 χ^2/NDF: 18193.0/74



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 3.780+/-0.586 χ^2/NDF:657.4/20

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 2.131+/-0.598 χ^2/NDF:736.7/19

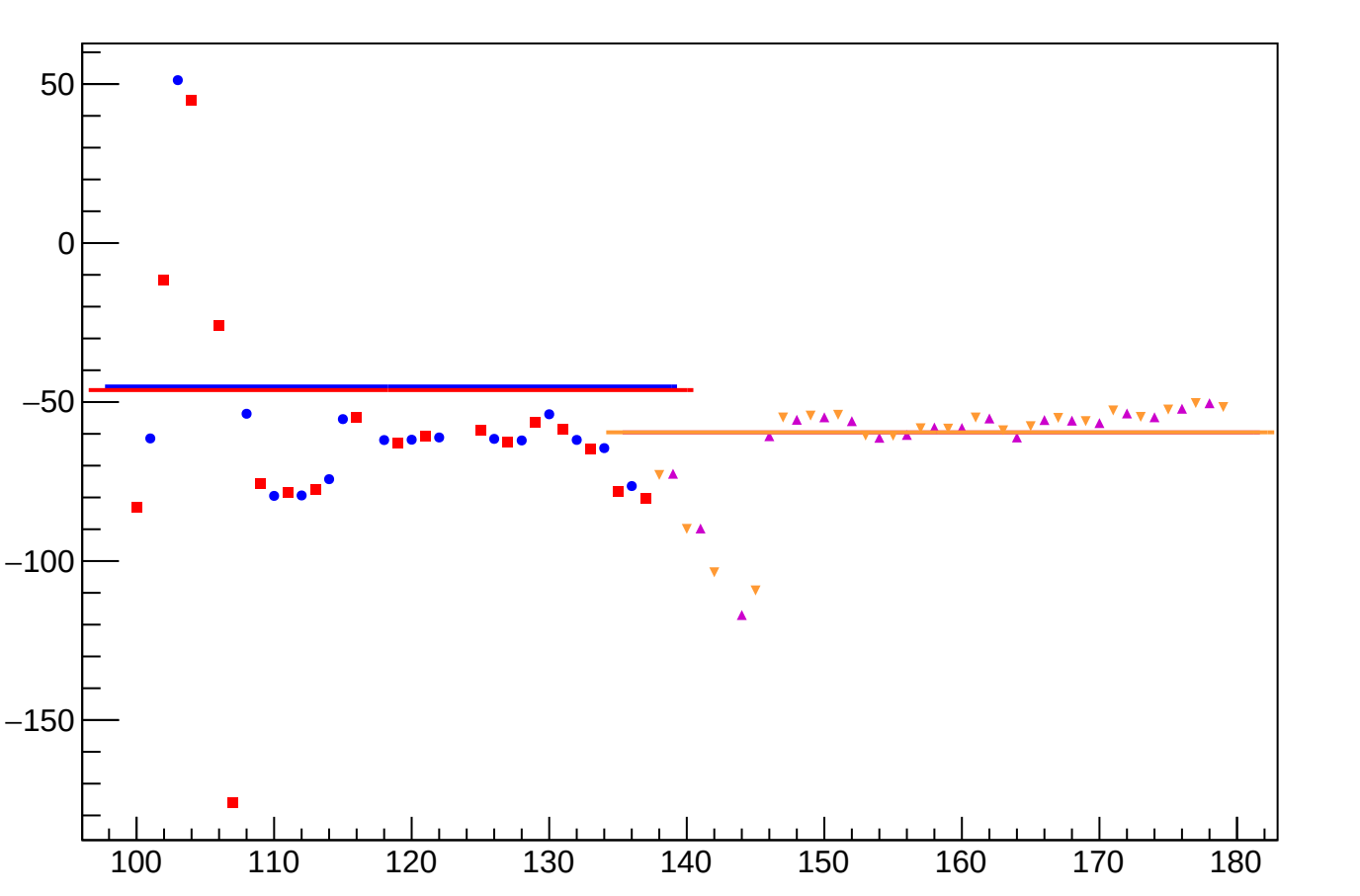
Left: 2.973+/-0.418 χ^2/NDF: 1398.0/40

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -5.596+/-0.516 χ^2/NDF:2182.7/35

Out: -5.107+/-0.509 χ^2/NDF:2177.3/38

All: -5.348+/-0.362 χ^2/NDF: 4360.5/74



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.523+/-0.027 χ^2/NDF:213149.1/20

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -59.565+/-0.027 χ^2/NDF:177295.3/19

Left: -59.544+/-0.019 χ^2/NDF: 390445.7/40

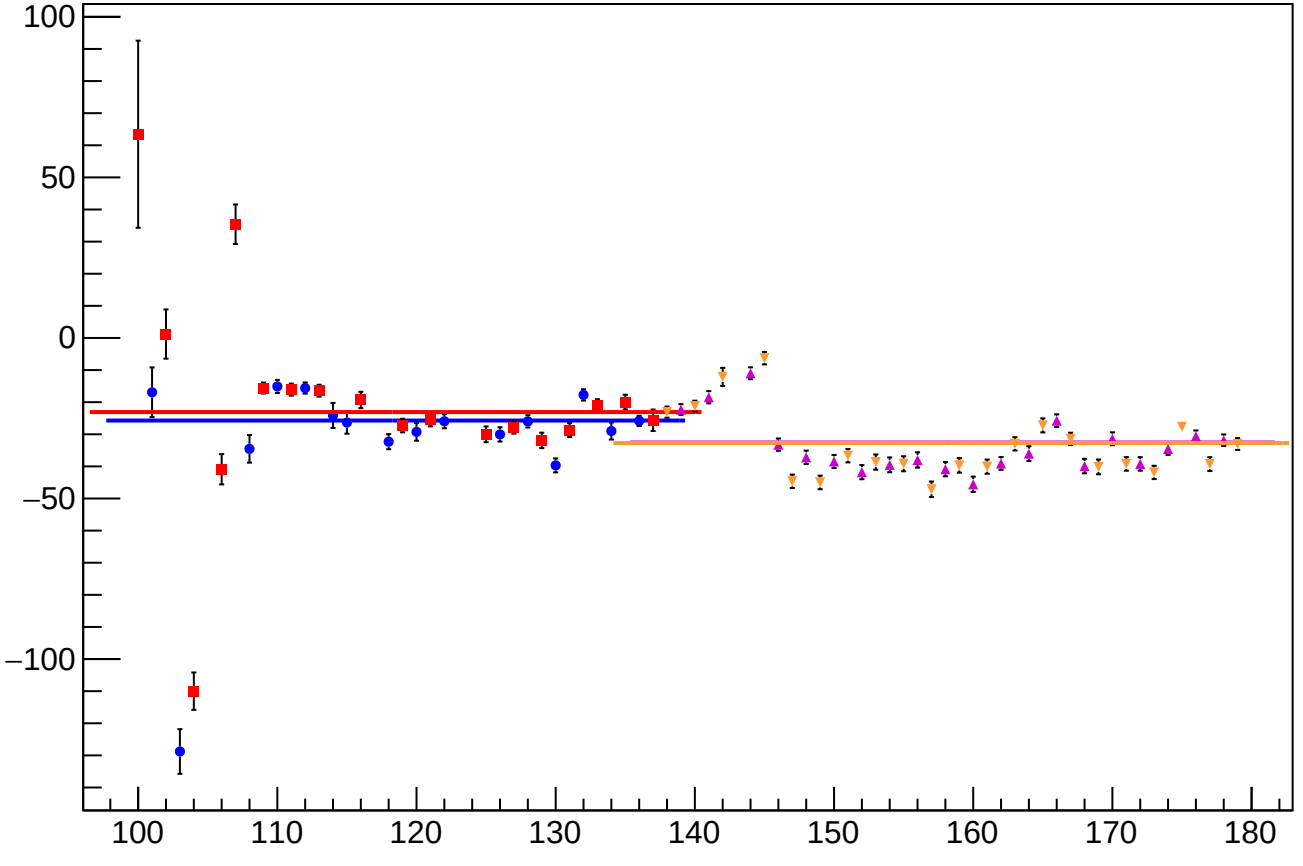
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.159+/-0.025 χ^2/NDF:800674.4/35

Out: -57.451+/-0.025 χ^2/NDF:744851.2/38

All: -57.304+/-0.017 χ^2/NDF: 1545596.1/74

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.710+/-0.448 χ^2/NDF:522.5/20

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.552+/-0.453 χ^2/NDF:363.9/19

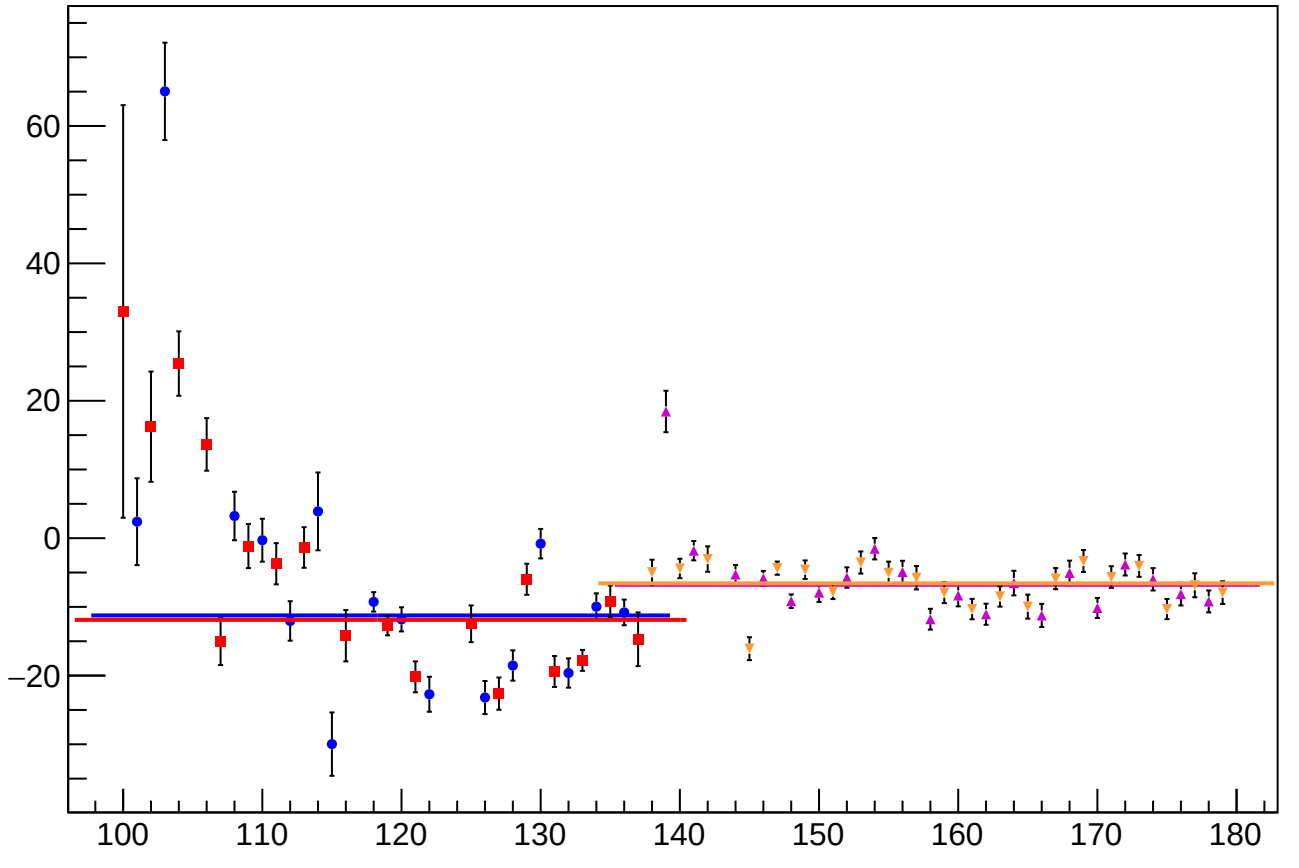
Left: -32.632+/-0.319 χ^2/NDF: 886.5/40

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -30.021+/-0.359 χ^2/NDF:811.2/35

Out: -29.124+/-0.355 χ^2/NDF:1131.6/38

All: -29.567+/-0.253 χ^2/NDF: 1945.9/74



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.571+/-0.325 χ^2/NDF:79.7/20

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.787+/-0.333 χ^2/NDF:143.6/19

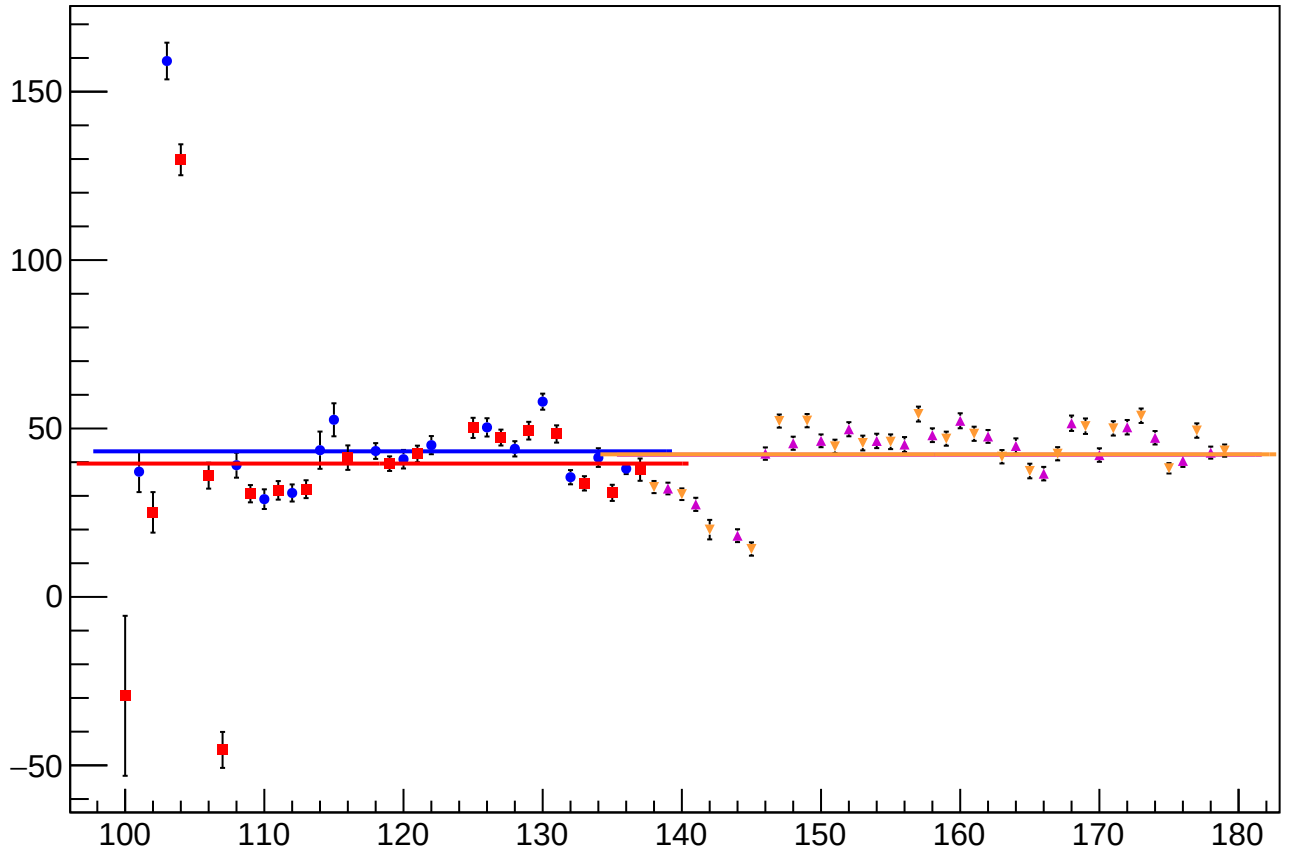
Left: -6.676+/-0.233 χ^2/NDF: 223.5/40

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.837+/-0.291 χ^2/NDF:456.9/35

Out: -7.757+/-0.287 χ^2/NDF:363.8/38

All: -7.796+/-0.204 χ^2/NDF: 820.8/74



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.334+/-0.441 χ^2/NDF:515.4/20

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.232+/-0.446 χ^2/NDF:358.3/19

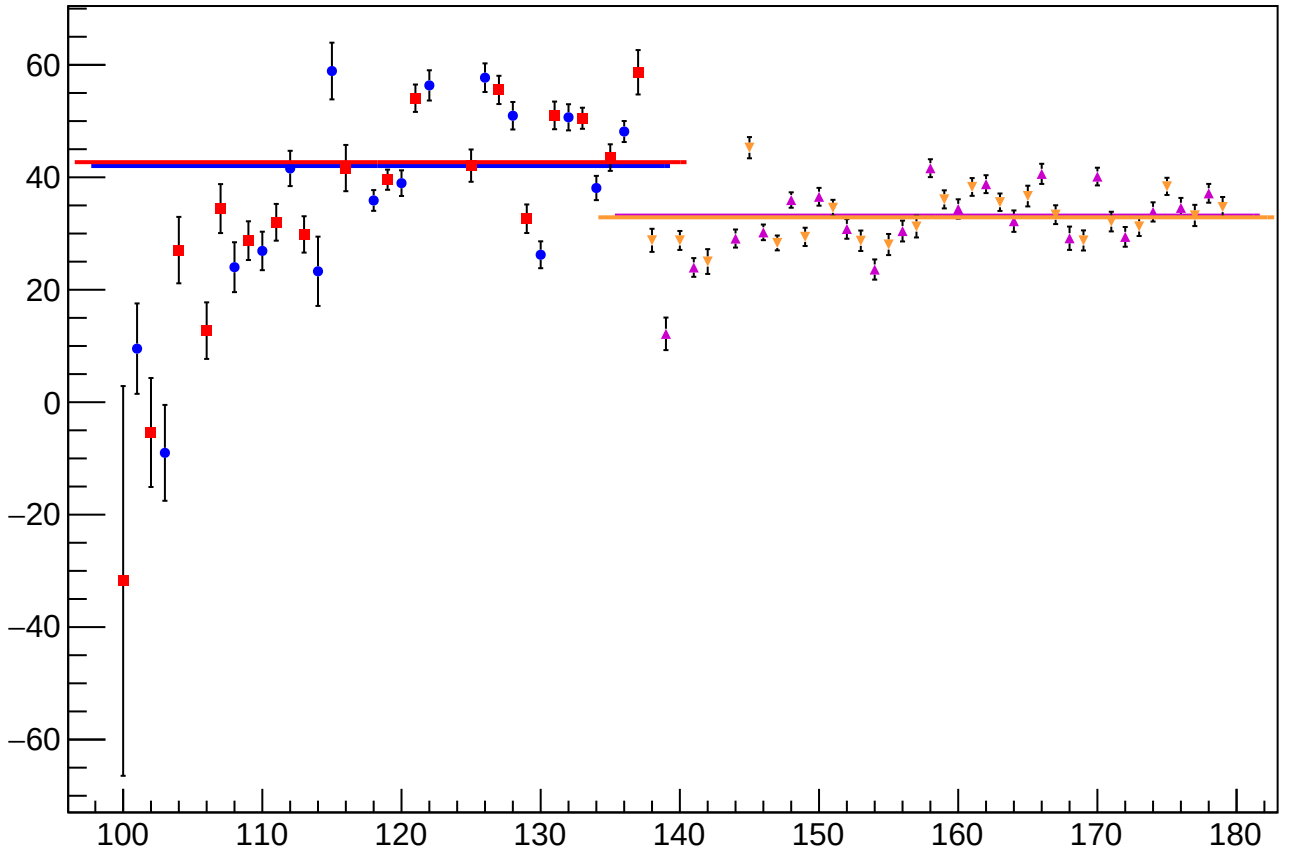
Left: 42.284+/-0.313 χ^2/NDF: 873.7/40

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.531+/-0.372 χ^2/NDF:935.7/35

Out: 41.530+/-0.371 χ^2/NDF:1280.8/38

All: 42.028+/-0.263 χ^2/NDF: 2220.2/74



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.885+/-0.372 χ^2/NDF:139.6/20

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 33.191+/-0.380 χ^2/NDF:228.2/19

Left: 33.035+/-0.266 χ^2/NDF: 368.1/40

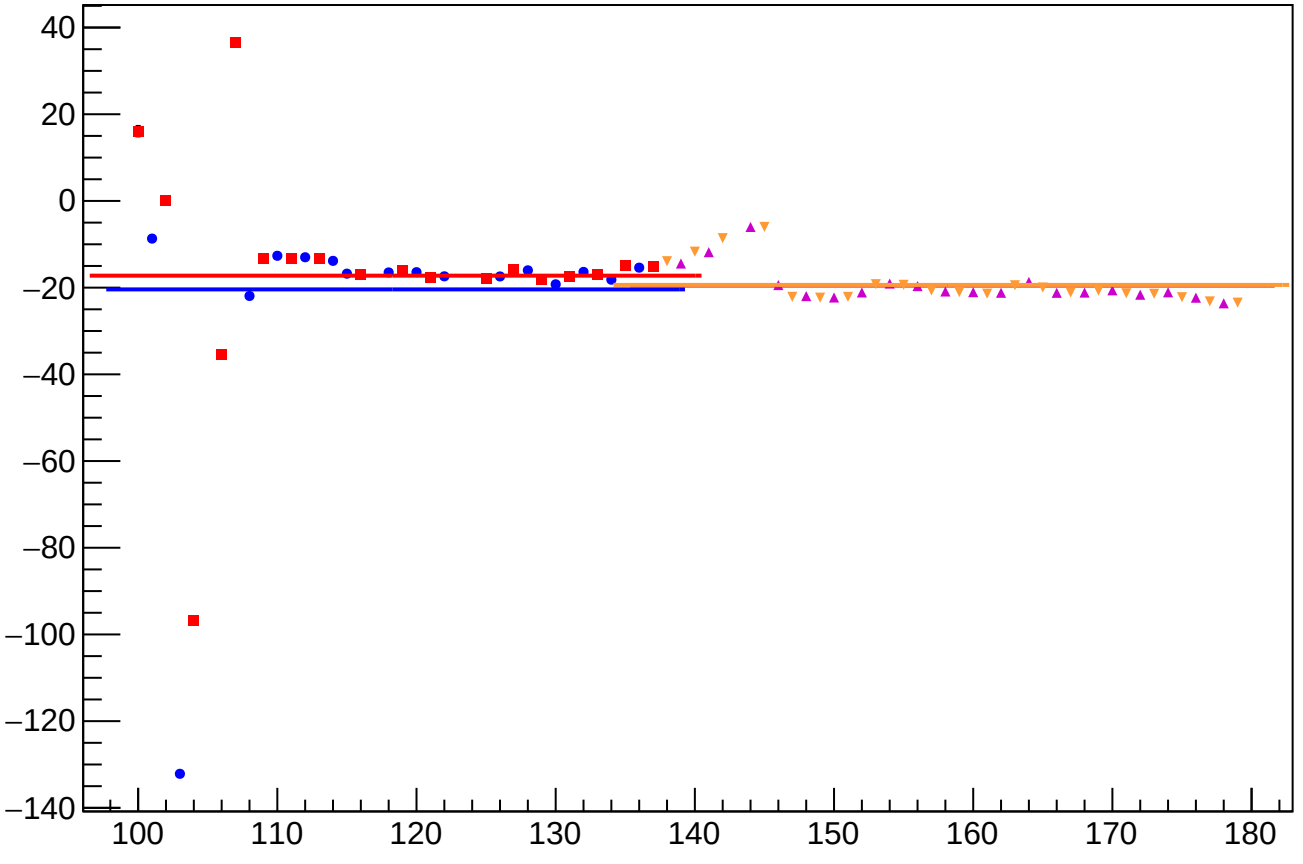
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.267+/-0.332 χ^2/NDF:627.9/35

Out: 35.068+/-0.328 χ^2/NDF:525.0/38

All: 35.167+/-0.233 χ^2/NDF: 1153.1/74

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -19.370+/-0.017 χ^2/NDF:67632.1/20

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.521+/-0.017 χ^2/NDF:51605.6/19

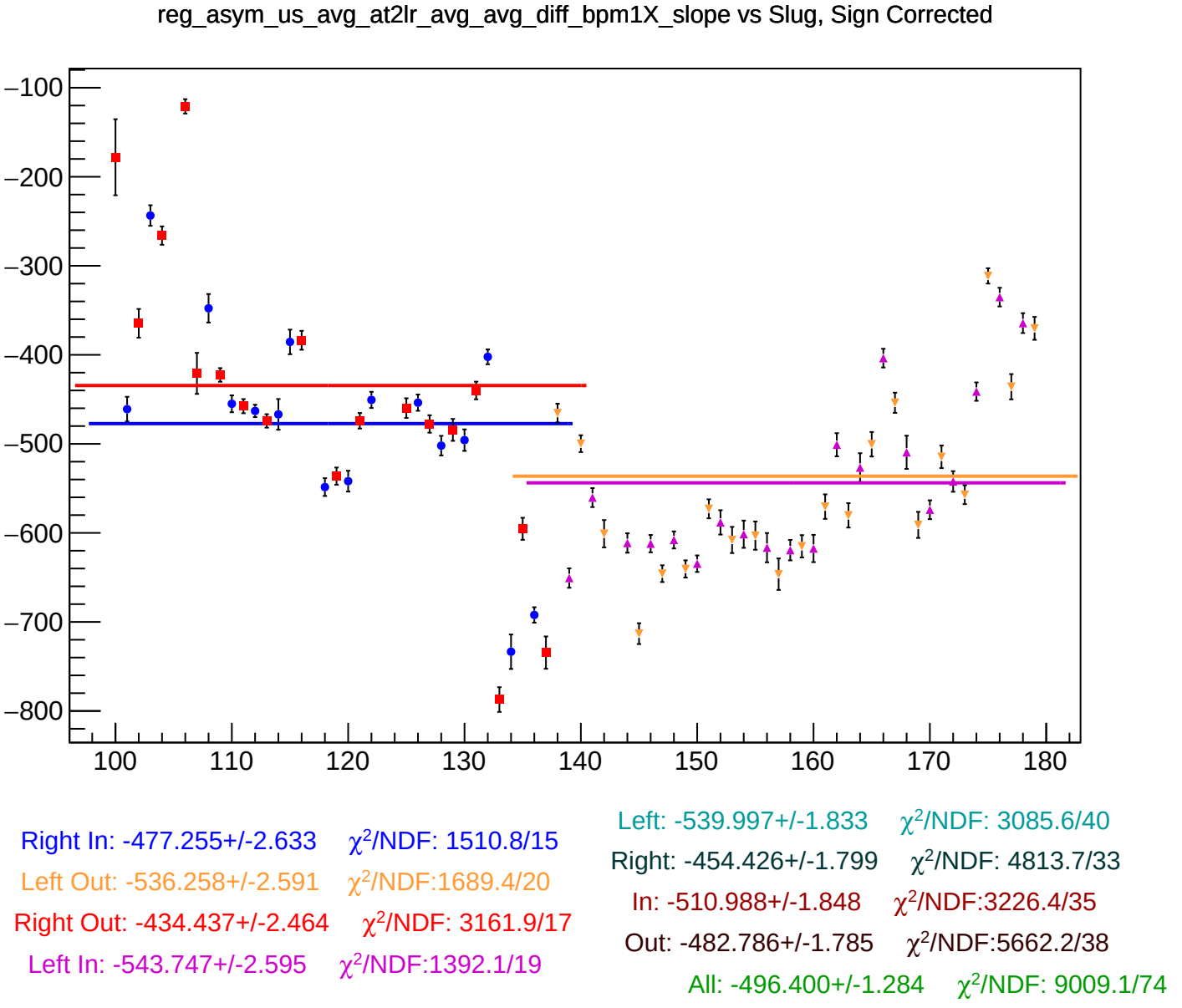
Left: -19.445+/-0.012 χ^2/NDF: 119278.5/40

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

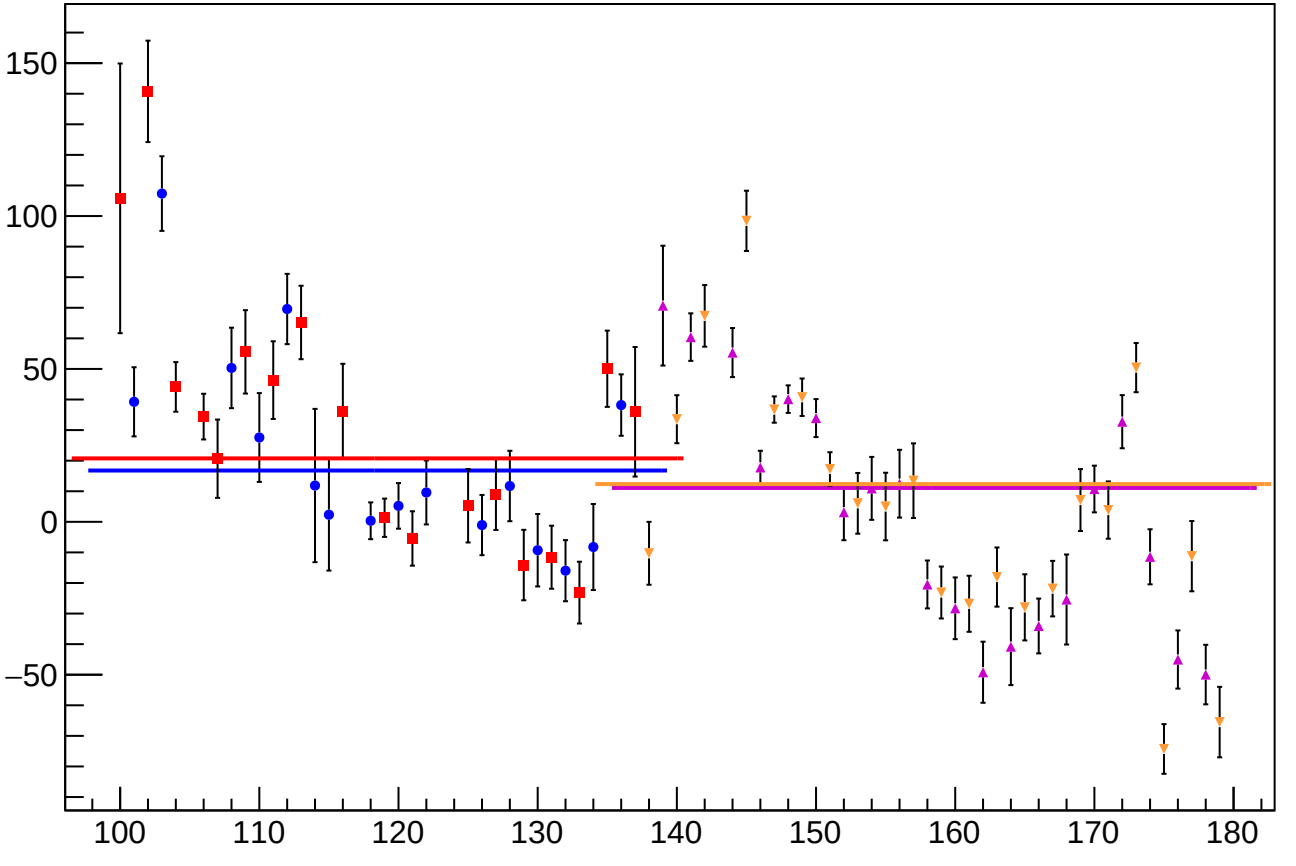
In: -19.643+/-0.016 χ^2/NDF:297600.8/35

Out: -19.100+/-0.016 χ^2/NDF:274334.5/38

All: -19.373+/-0.011 χ^2/NDF: 572539.8/74


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
180
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -536.258+/-2.591 χ²/NDF:1689.4/20
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -543.747+/-2.595 χ²/NDF:1392.1/19
Left: -539.997+/-1.833 χ²/NDF: 3085.6/40
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -510.988+/-1.848 χ²/NDF:3226.4/35
Out: -482.786+/-1.785 χ²/NDF:5662.2/38
All: -496.400+/-1.284 χ²/NDF: 9009.1/74

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 12.344+/-1.800 χ^2/NDF:434.2/20

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 11.086+/-1.835 χ^2/NDF:340.3/19

Left: 11.727+/-1.285 χ^2/NDF: 774.7/40

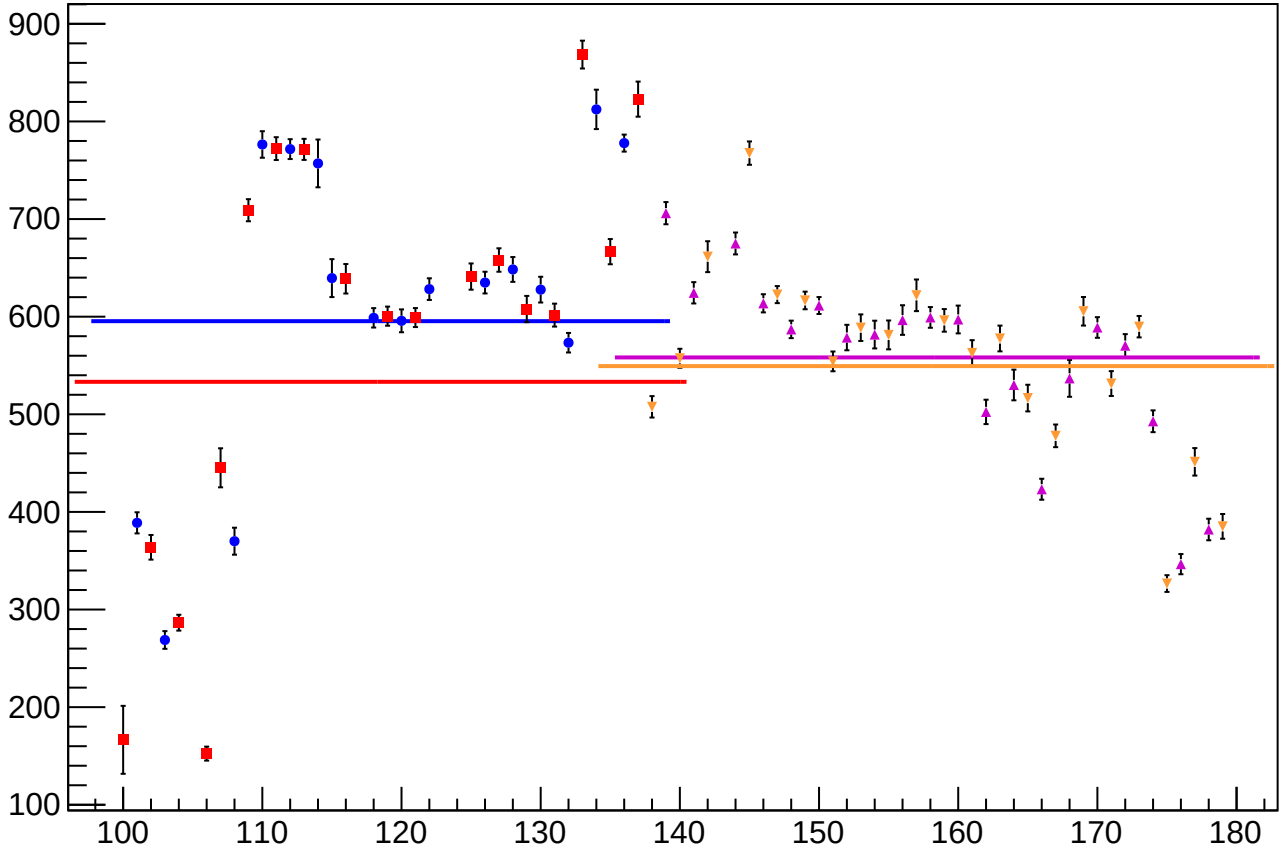
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 12.926+/-1.509 χ^2/NDF:468.4/35

Out: 15.142+/-1.470 χ^2/NDF:599.3/38

All: 14.063+/-1.053 χ^2/NDF: 1068.9/74

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 549.376+/-2.543 χ^2/NDF:1545.4/20

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 558.260+/-2.548 χ^2/NDF:1331.3/19

Left: 553.809+/-1.800 χ^2/NDF: 2882.8/40

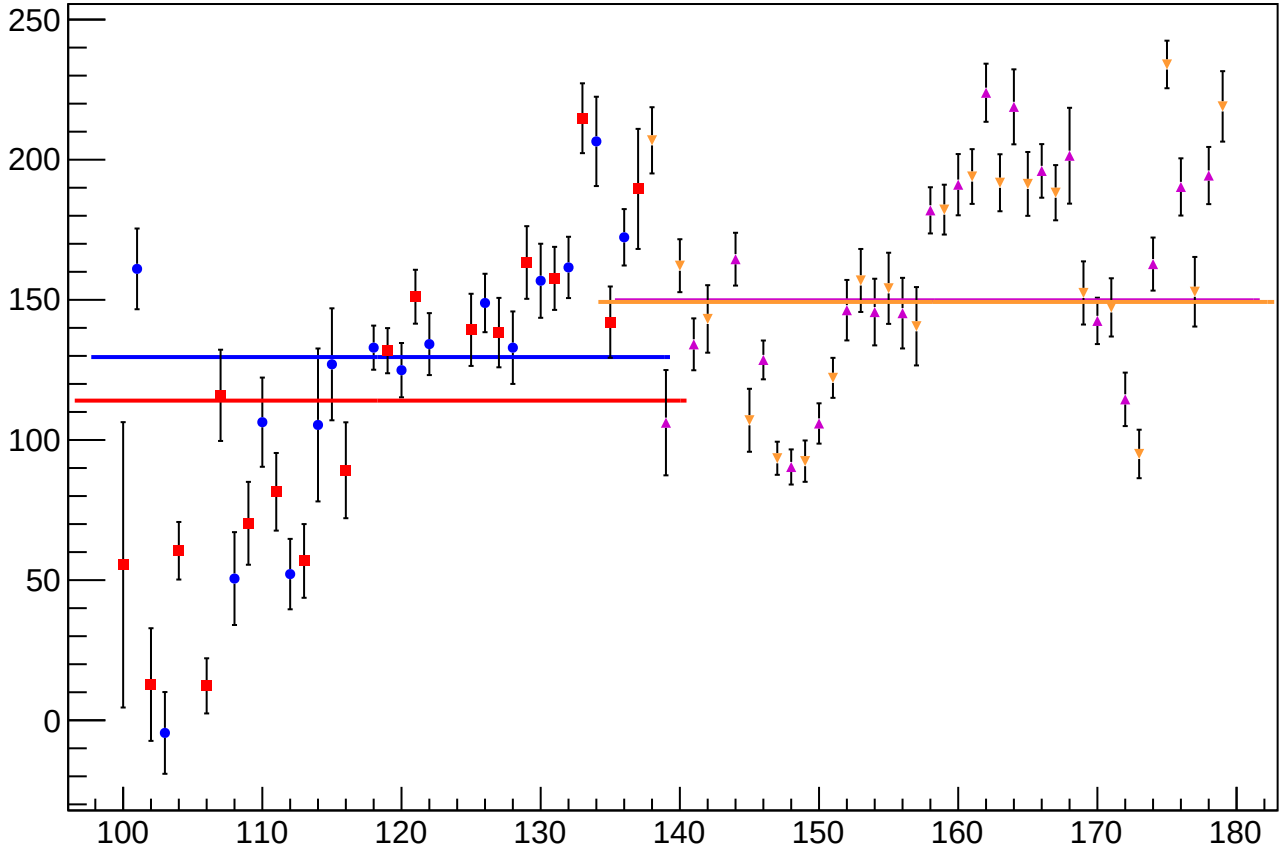
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 574.257+/-1.923 χ^2/NDF:4482.6/35

Out: 541.947+/-1.866 χ^2/NDF:8066.7/38

All: 557.617+/-1.339 χ^2/NDF: 12694.8/74

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 149.254+/-2.098 χ^2/NDF:455.5/20

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 149.841+/-2.124 χ^2/NDF:338.4/19

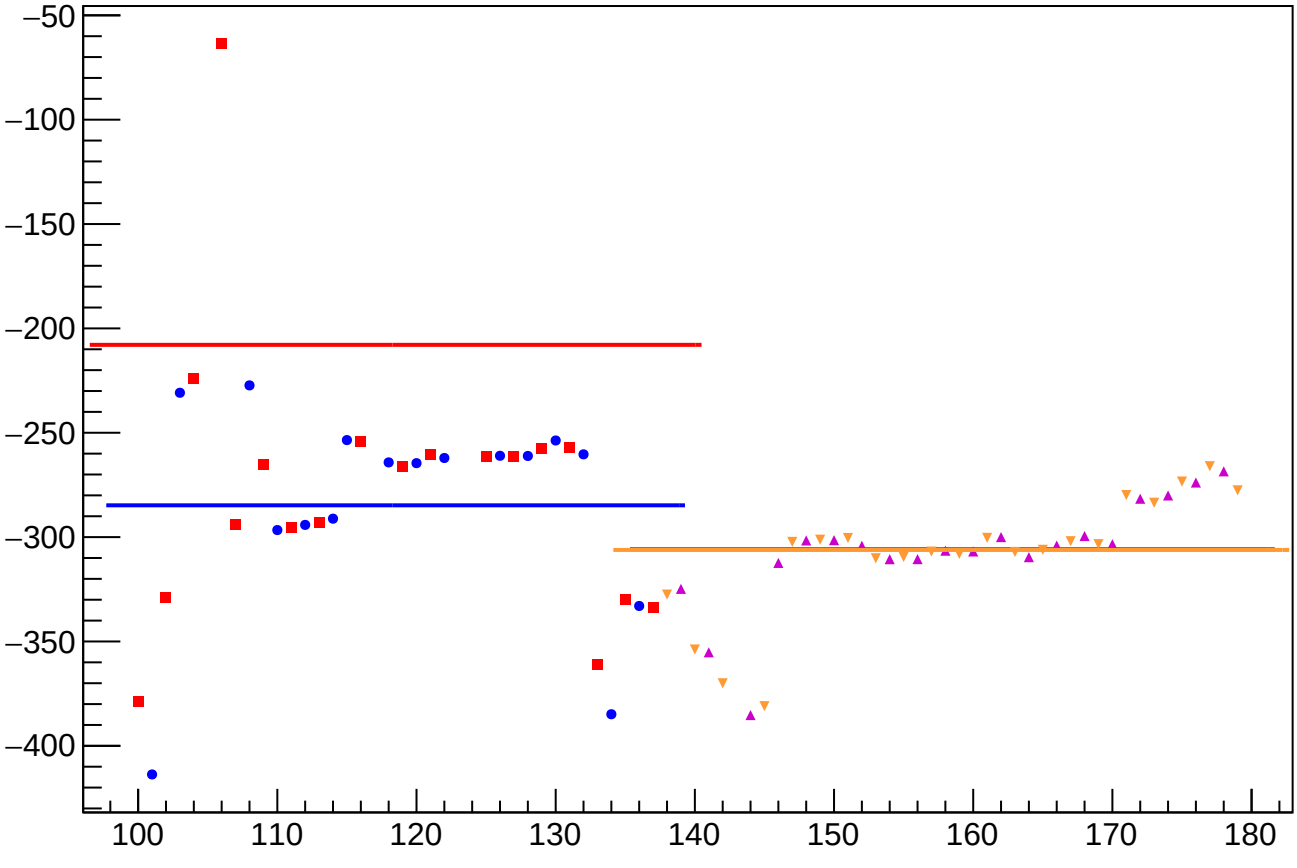
Left: 149.544+/-1.493 χ^2/NDF: 793.9/40

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 143.317+/-1.748 χ^2/NDF:579.0/35

Out: 137.564+/-1.715 χ^2/NDF:884.9/38

All: 140.385+/-1.224 χ^2/NDF: 1469.4/74



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -306.137+/-0.099 χ^2/NDF:72457.1/20

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -305.785+/-0.097 χ^2/NDF:59374.1/19

Left: -305.959+/-0.069 χ^2/NDF: 131837.7/40

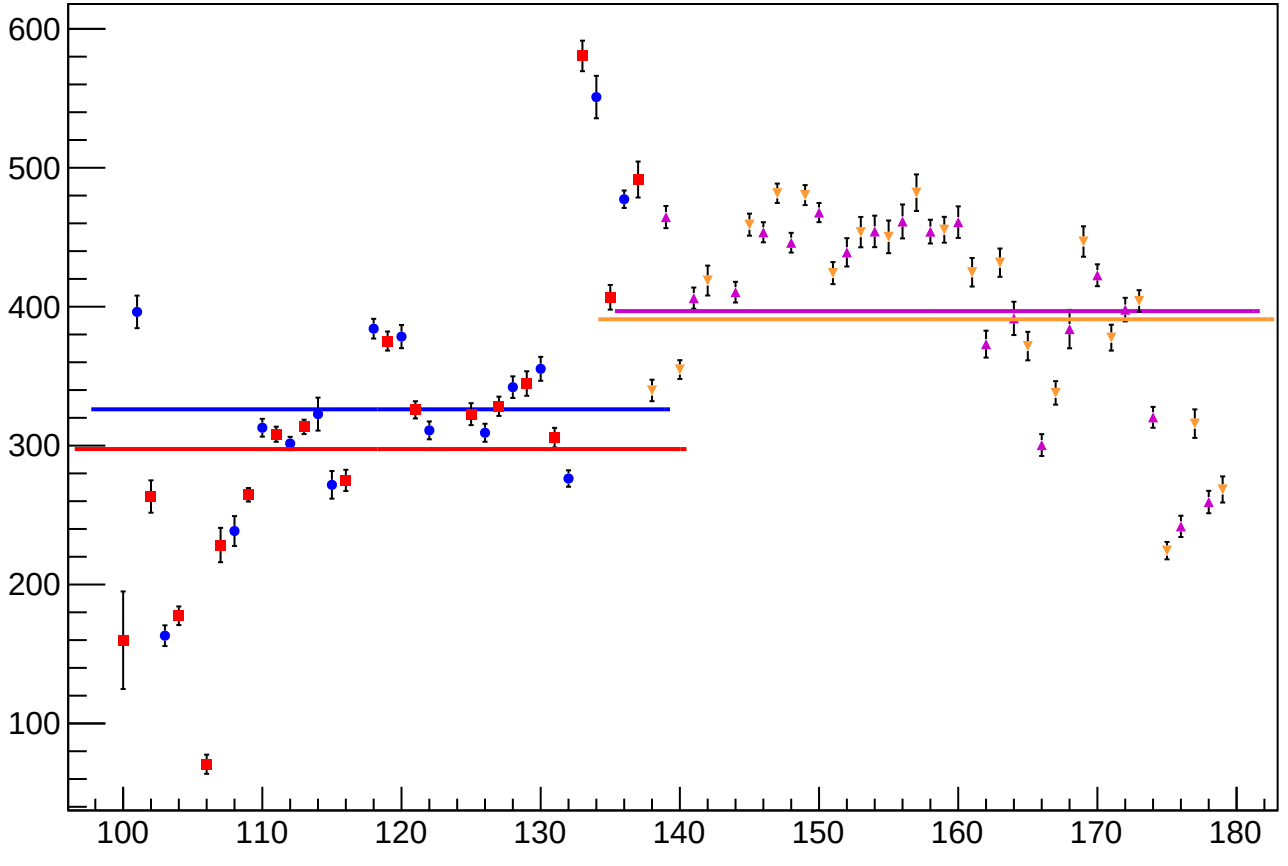
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -300.934+/-0.085 χ^2/NDF:174525.9/35

Out: -276.196+/-0.082 χ^2/NDF:912198.8/38

All: -288.102+/-0.059 χ^2/NDF: 1130359.7/74

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 390.946+/-1.899 χ^2/NDF:1681.0/20

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 396.844+/-1.905 χ^2/NDF:1410.8/19

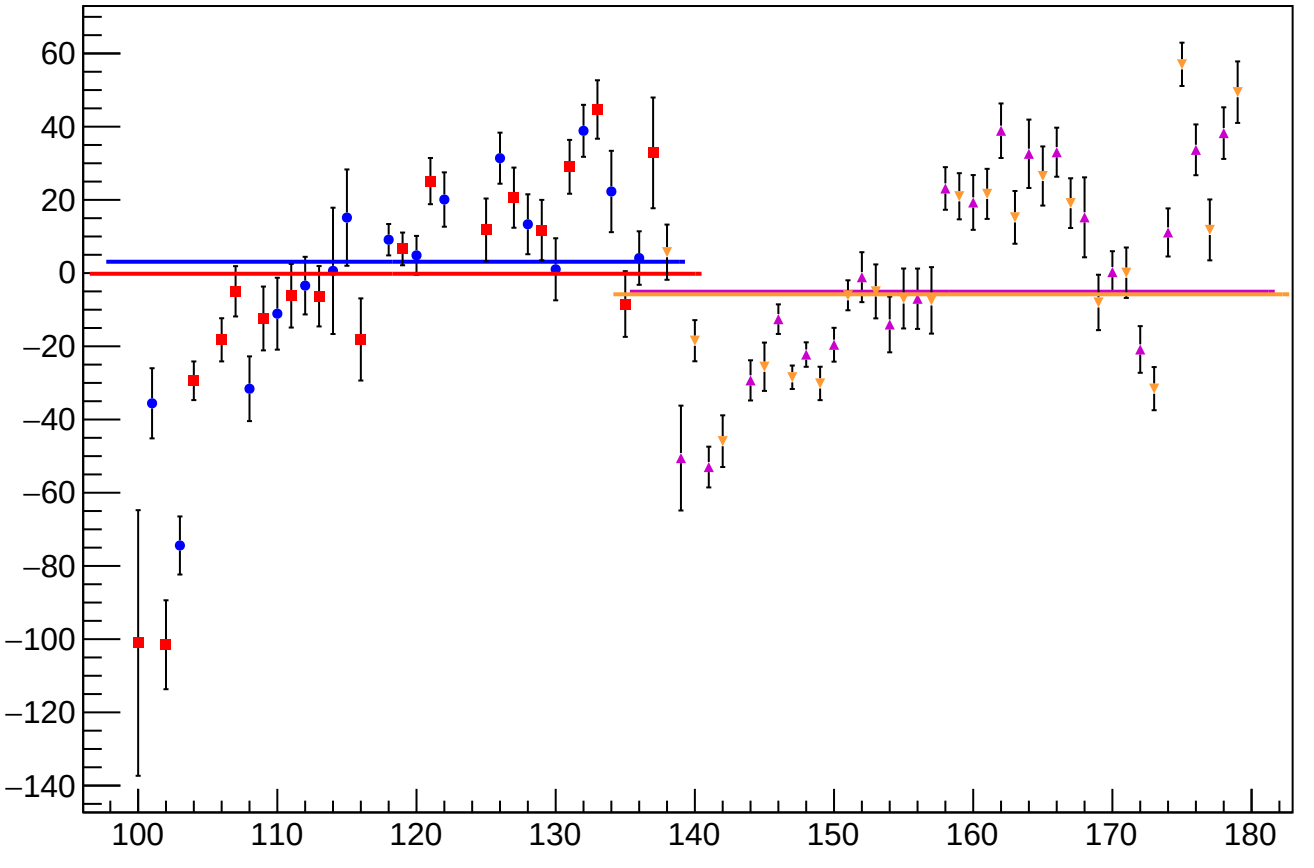
Left: 393.886+/-1.345 χ^2/NDF: 3096.6/40

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 360.589+/-1.330 χ^2/NDF:3760.4/35

Out: 340.024+/-1.281 χ^2/NDF:5775.4/38

All: 349.922+/-0.922 χ^2/NDF: 9659.9/74



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -5.791+/-1.324 χ^2/NDF:379.7/20

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -5.085+/-1.350 χ^2/NDF:348.1/19

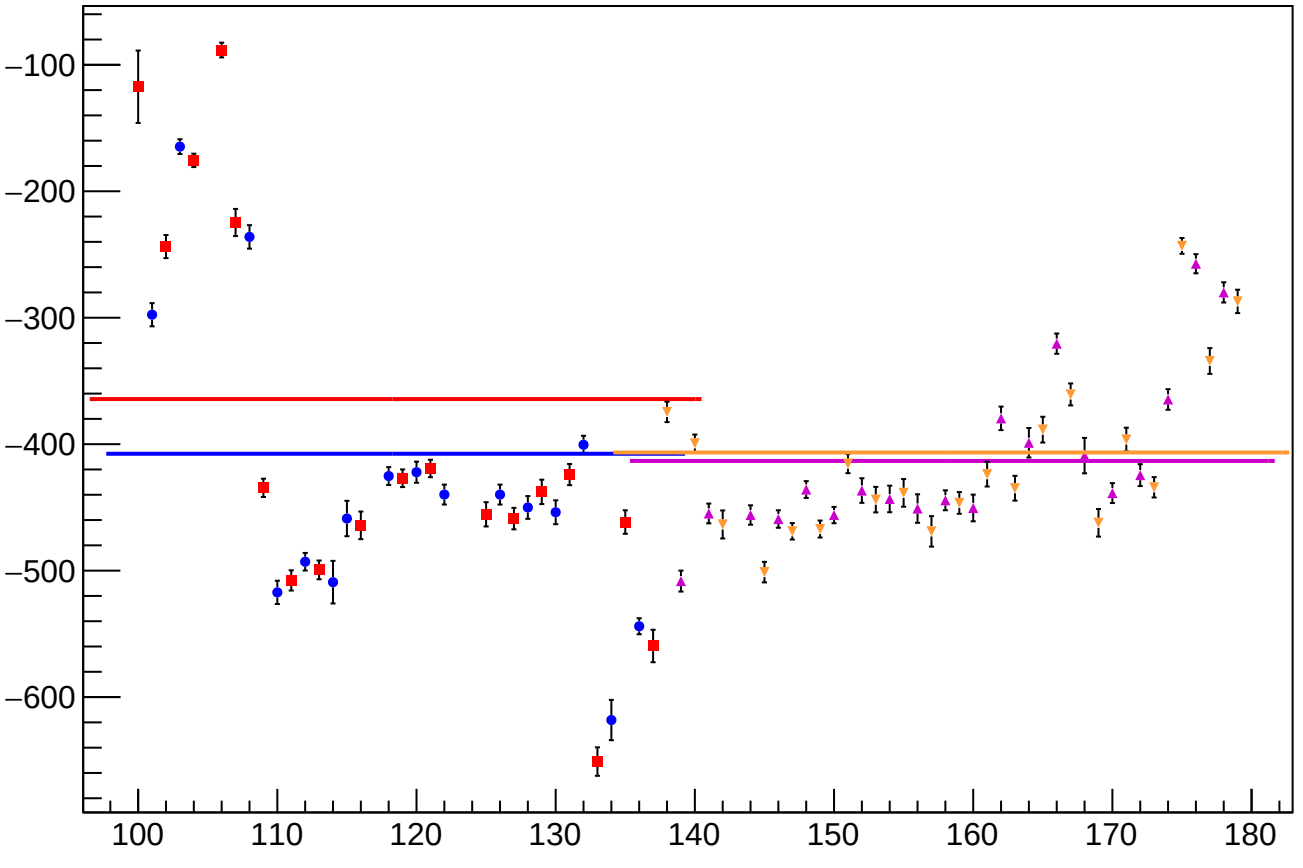
Left: -5.445+/-0.946 χ^2/NDF: 728.0/40

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -2.323+/-1.099 χ^2/NDF:545.1/35

Out: -3.808+/-1.065 χ^2/NDF:591.2/38

All: -3.089+/-0.765 χ^2/NDF: 1137.2/74



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -406.555+/-1.866 χ^2/NDF:1407.4/20

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -413.245+/-1.872 χ^2/NDF:1242.9/19

Left: -409.888+/-1.322 χ^2/NDF: 2656.8/40

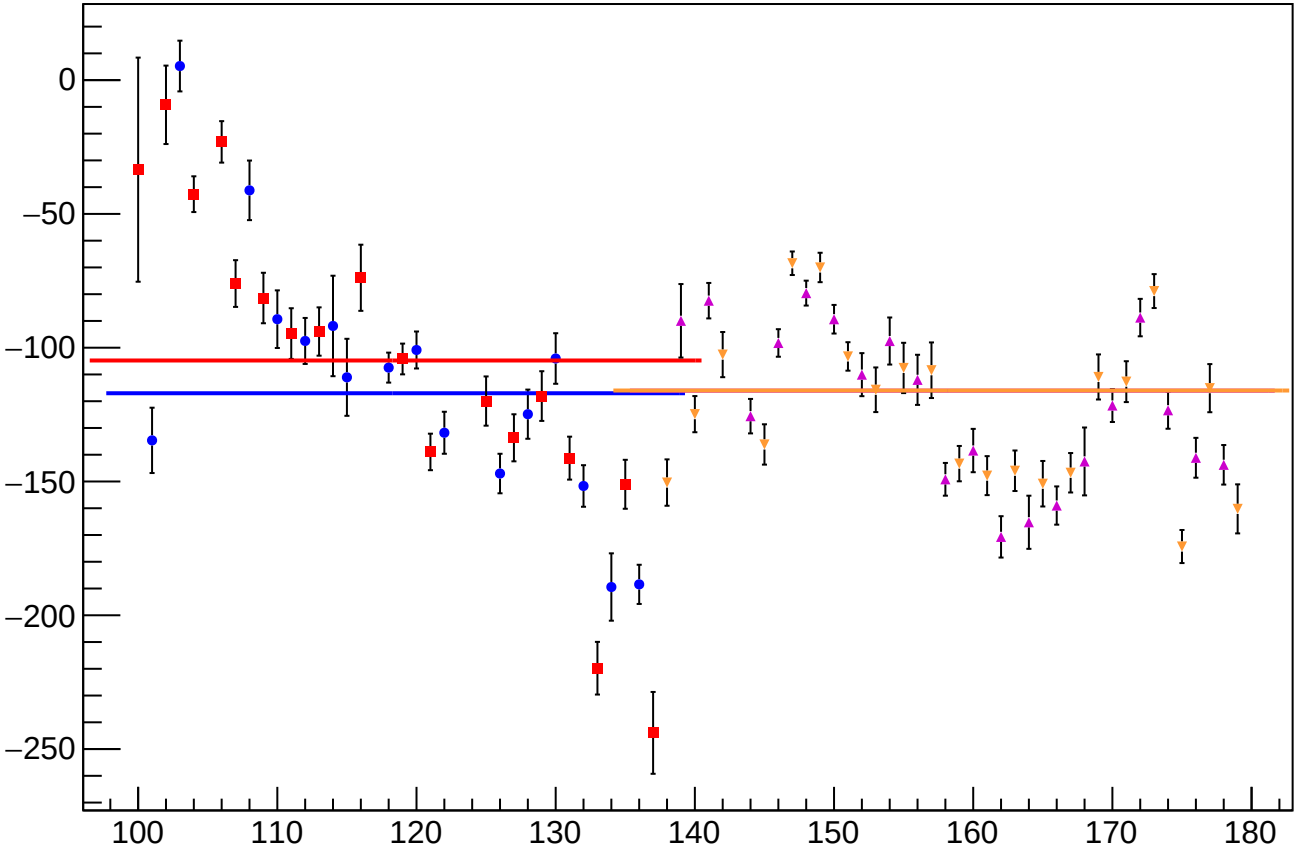
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -410.699+/-1.390 χ^2/NDF:4527.6/35

Out: -386.288+/-1.346 χ^2/NDF:7873.7/38

All: -398.100+/-0.967 χ^2/NDF: 12560.6/74

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -116.001+/-1.543 χ^2/NDF:454.6/20

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -116.061+/-1.563 χ^2/NDF:329.5/19

Left: -116.030+/-1.098 χ^2/NDF: 784.1/40

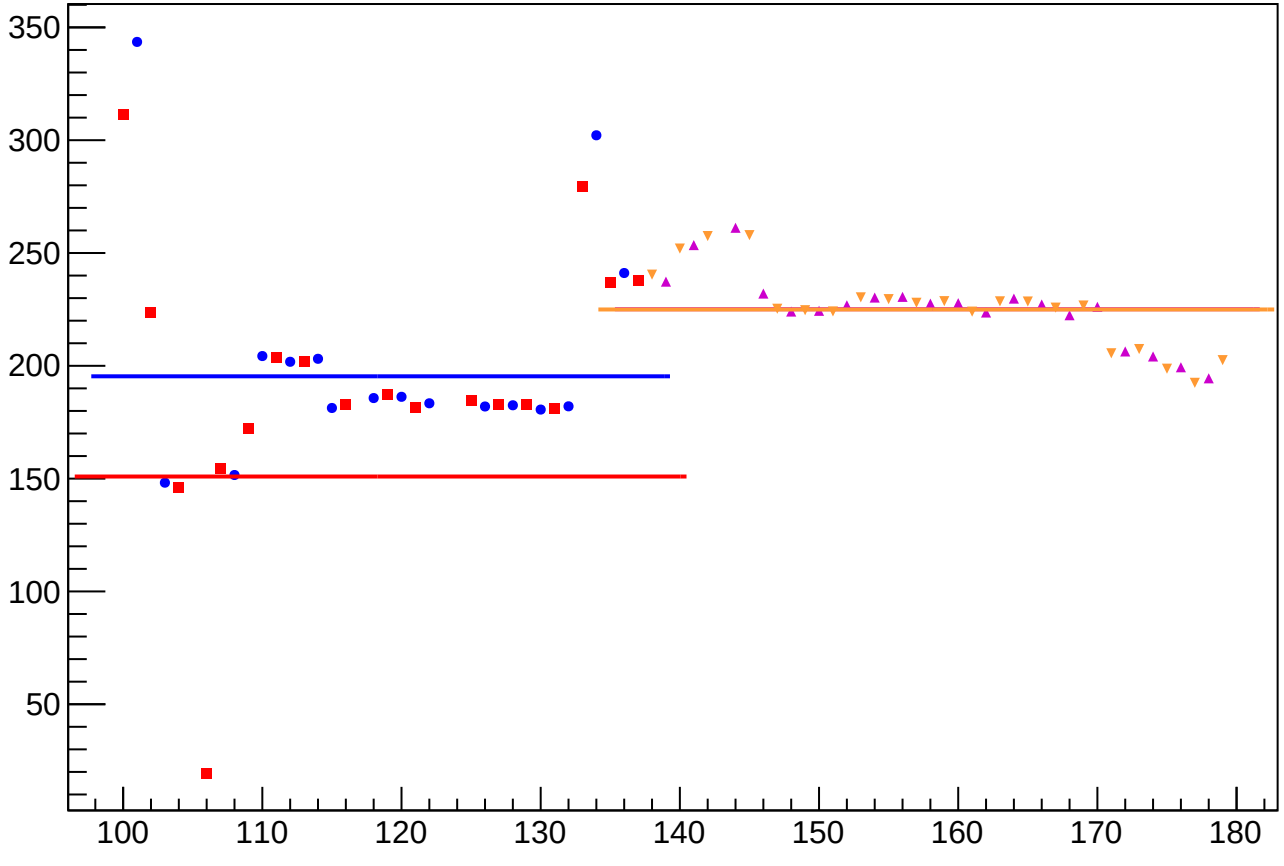
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -116.384+/-1.273 χ^2/NDF:737.4/35

Out: -112.044+/-1.242 χ^2/NDF:1048.3/38

All: -114.160+/-0.889 χ^2/NDF: 1791.7/74

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 224.970+/-0.072 χ^2/NDF:52543.2/20

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 225.090+/-0.072 χ^2/NDF:45152.7/19

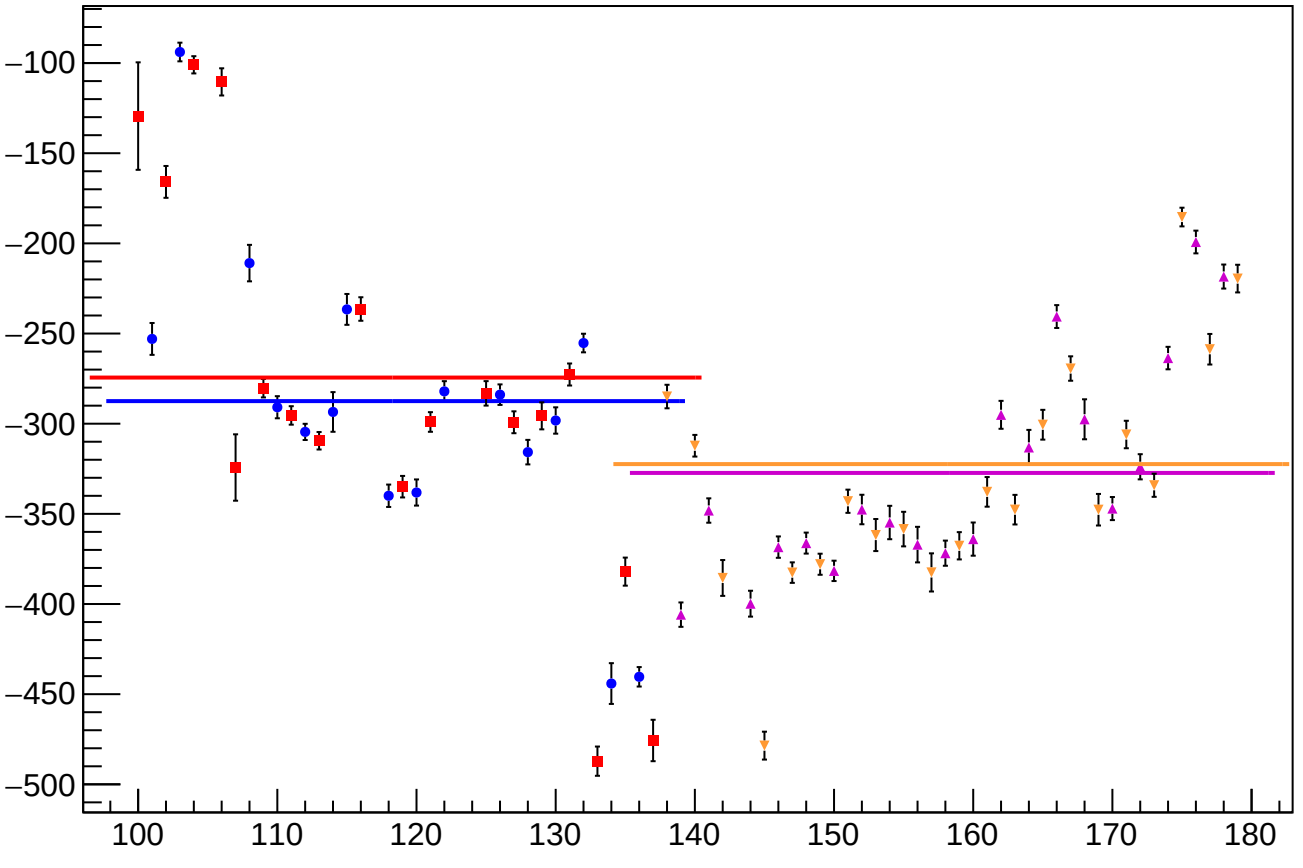
Left: 225.031+/-0.051 χ^2/NDF: 97697.2/40

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.714+/-0.062 χ^2/NDF:264945.1/35

Out: 202.637+/-0.061 χ^2/NDF:867180.3/38

All: 209.984+/-0.043 χ^2/NDF: 1162383.6/74



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -322.407+/-1.579 χ^2/NDF:1832.2/20

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -327.303+/-1.580 χ^2/NDF:1527.9/19

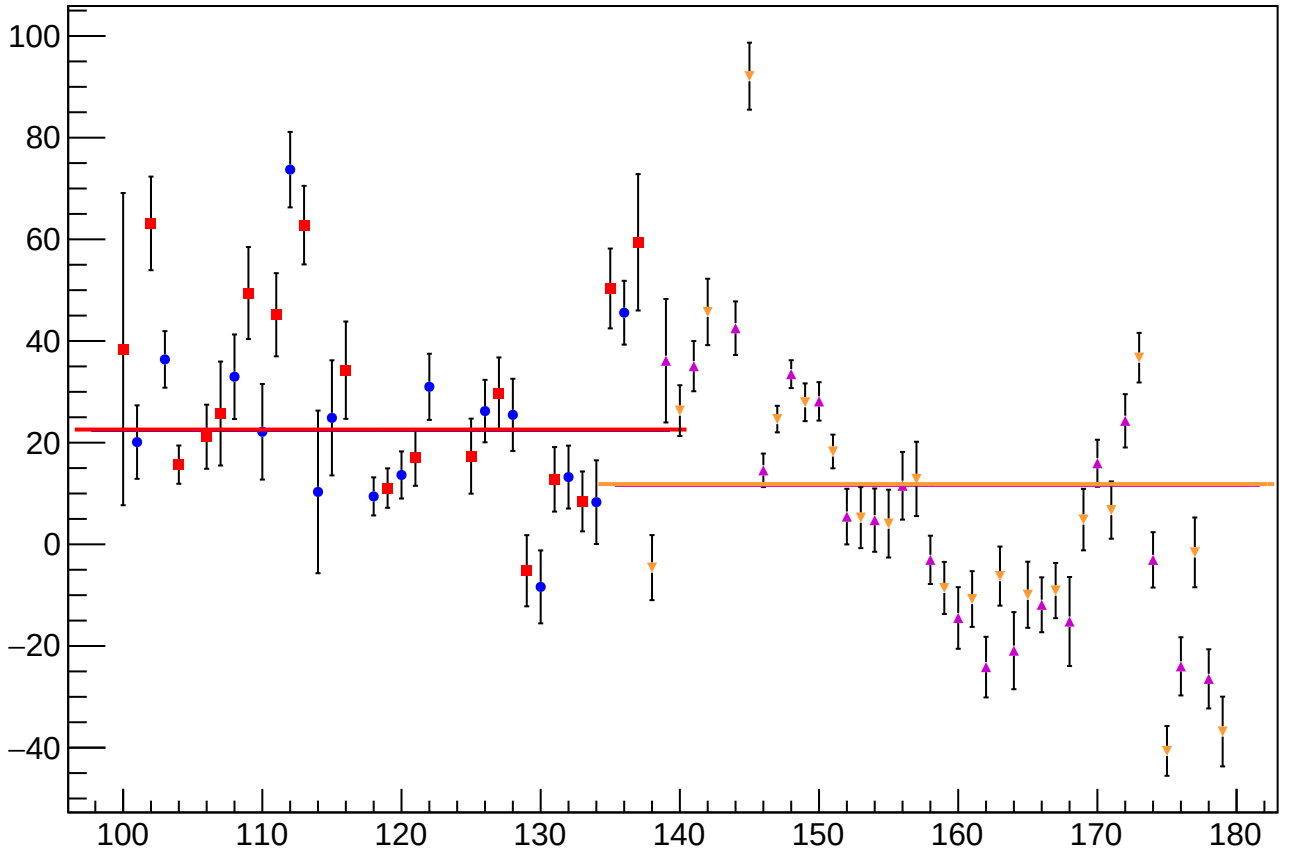
Left: -324.852+/-1.117 χ^2/NDF: 3365.0/40

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -307.775+/-1.128 χ^2/NDF:4535.8/35

Out: -297.993+/-1.107 χ^2/NDF:5715.8/38

All: -302.789+/-0.790 χ^2/NDF: 10289.9/74



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 11.850+/-1.095 χ^2/NDF:505.2/20

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 11.686+/-1.117 χ^2/NDF:353.2/19

Left: 11.770+/-0.782 χ^2/NDF: 858.4/40

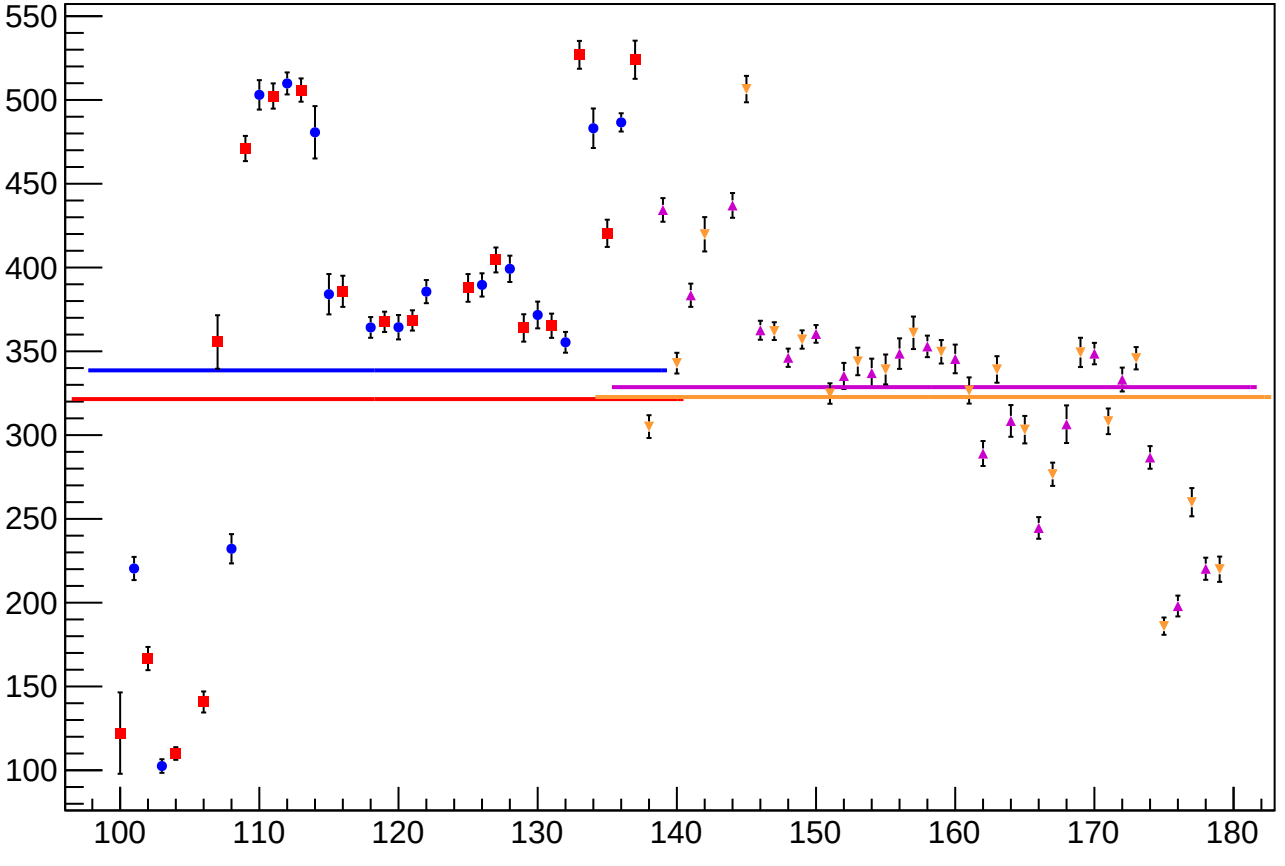
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 15.165+/-0.920 χ^2/NDF:494.8/35

Out: 15.363+/-0.898 χ^2/NDF:660.0/38

All: 15.266+/-0.643 χ^2/NDF: 1154.8/74

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 322.721+/-1.547 χ^2/NDF:1809.0/20

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 328.632+/-1.551 χ^2/NDF:1574.7/19

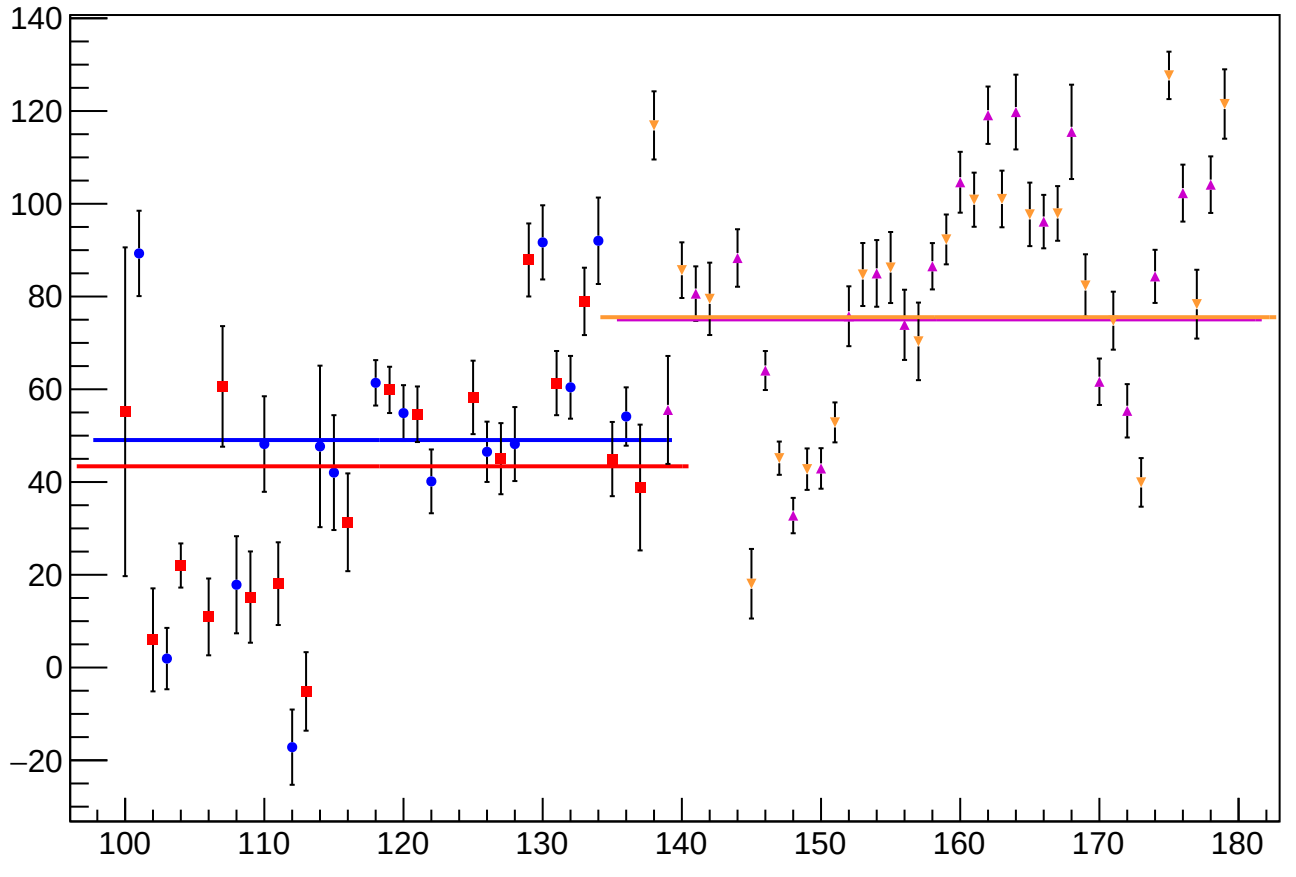
Left: 325.671+/-1.095 χ^2/NDF: 3390.9/40

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 333.036+/-1.160 χ^2/NDF:7635.6/35

Out: 322.166+/-1.143 χ^2/NDF:9530.1/38

All: 327.518+/-0.814 χ^2/NDF: 17210.3/74



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 75.541+/-1.276 χ^2/NDF:511.0/20

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 75.070+/-1.292 χ^2/NDF:394.3/19

Left: 75.308+/-0.908 χ^2/NDF: 905.3/40

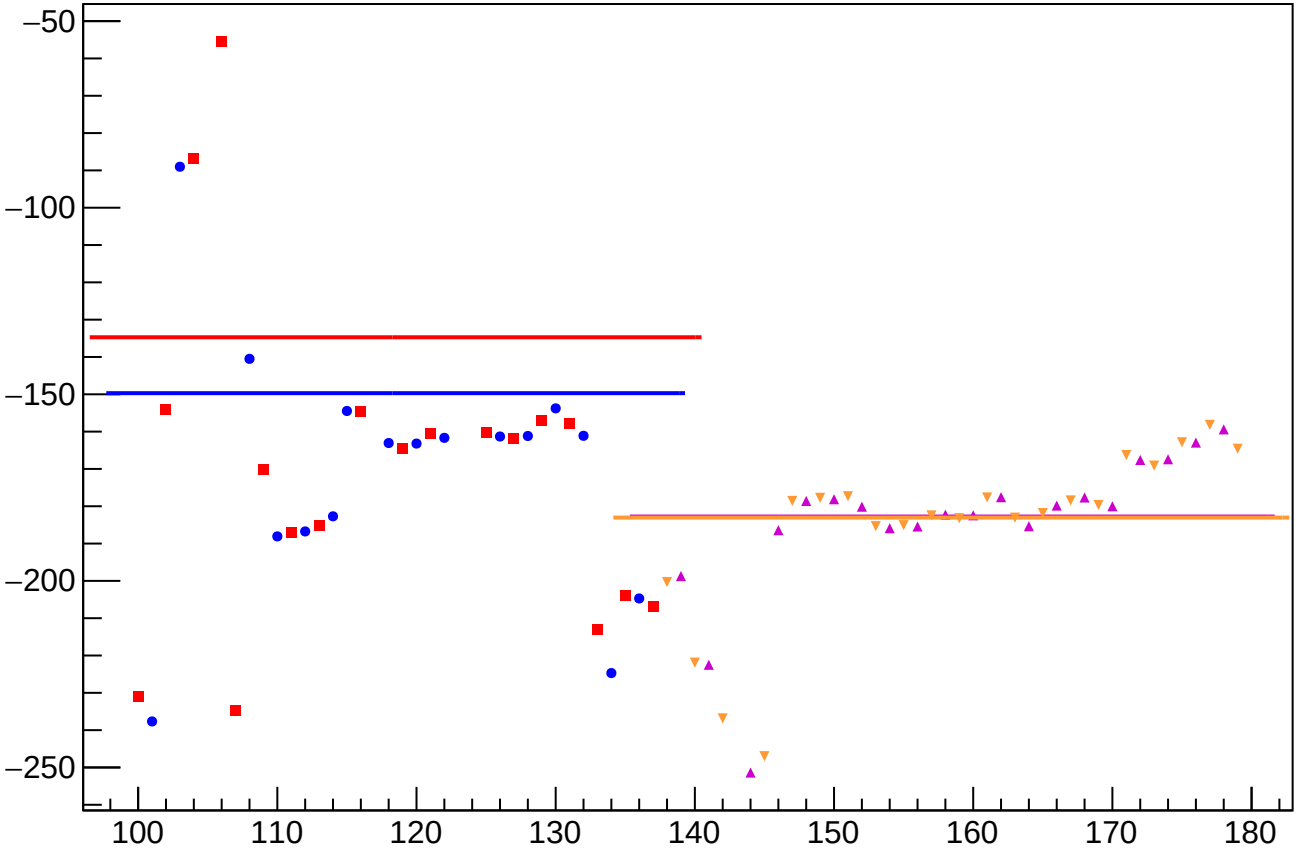
Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 66.741+/-1.065 χ^2/NDF:732.1/35

Out: 65.056+/-1.047 χ^2/NDF:898.1/38

All: 65.885+/-0.747 χ^2/NDF: 1631.5/74

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -183.035+/-0.060 χ^2/NDF:108969.1/20

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -182.759+/-0.059 χ^2/NDF:88567.1/19

Left: -182.895+/-0.042 χ^2/NDF: 197547.1/40

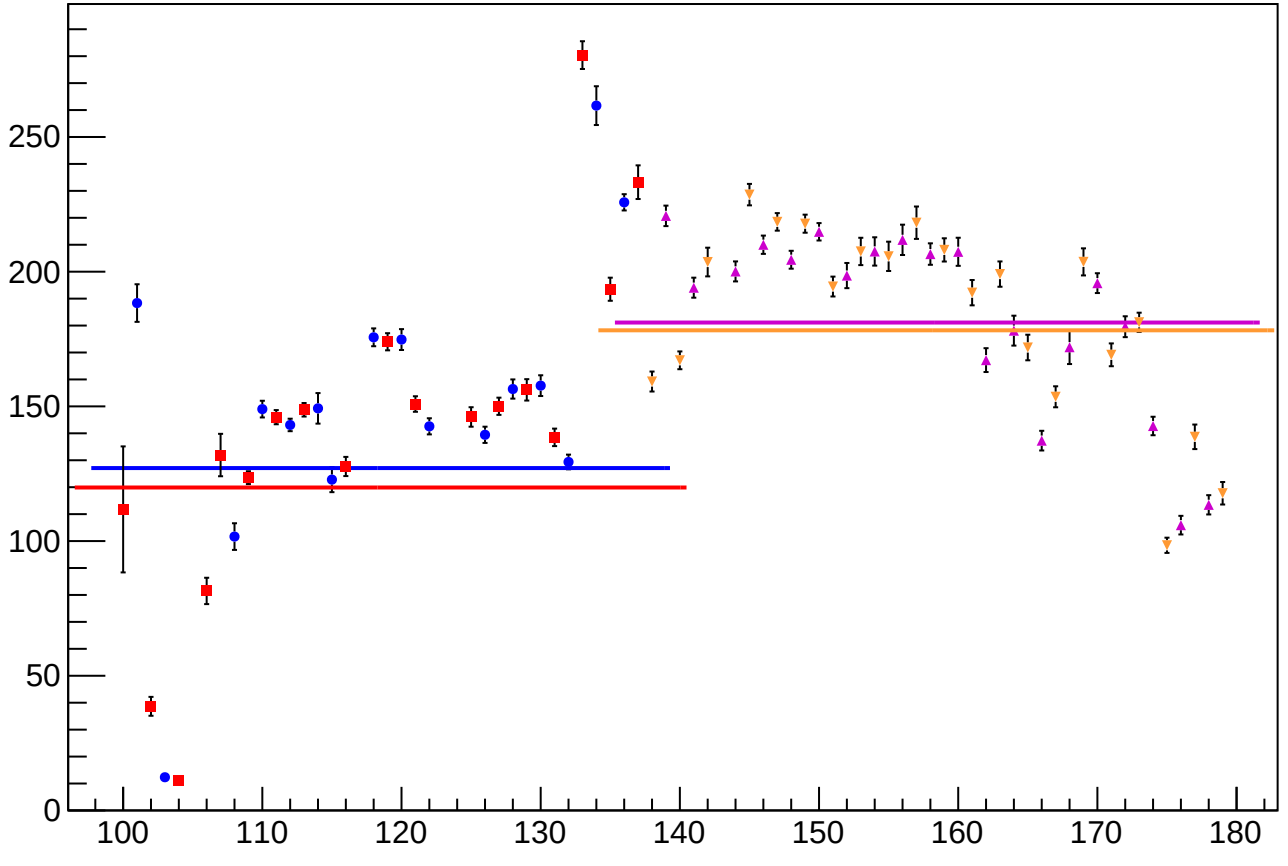
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -174.305+/-0.051 χ^2/NDF:425073.2/35

Out: -169.708+/-0.051 χ^2/NDF:601335.4/38

All: -172.005+/-0.036 χ^2/NDF: 1030477.3/74

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 178.236+/-0.884 χ^2/NDF:1865.6/20

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 181.123+/-0.887 χ^2/NDF:1639.9/19

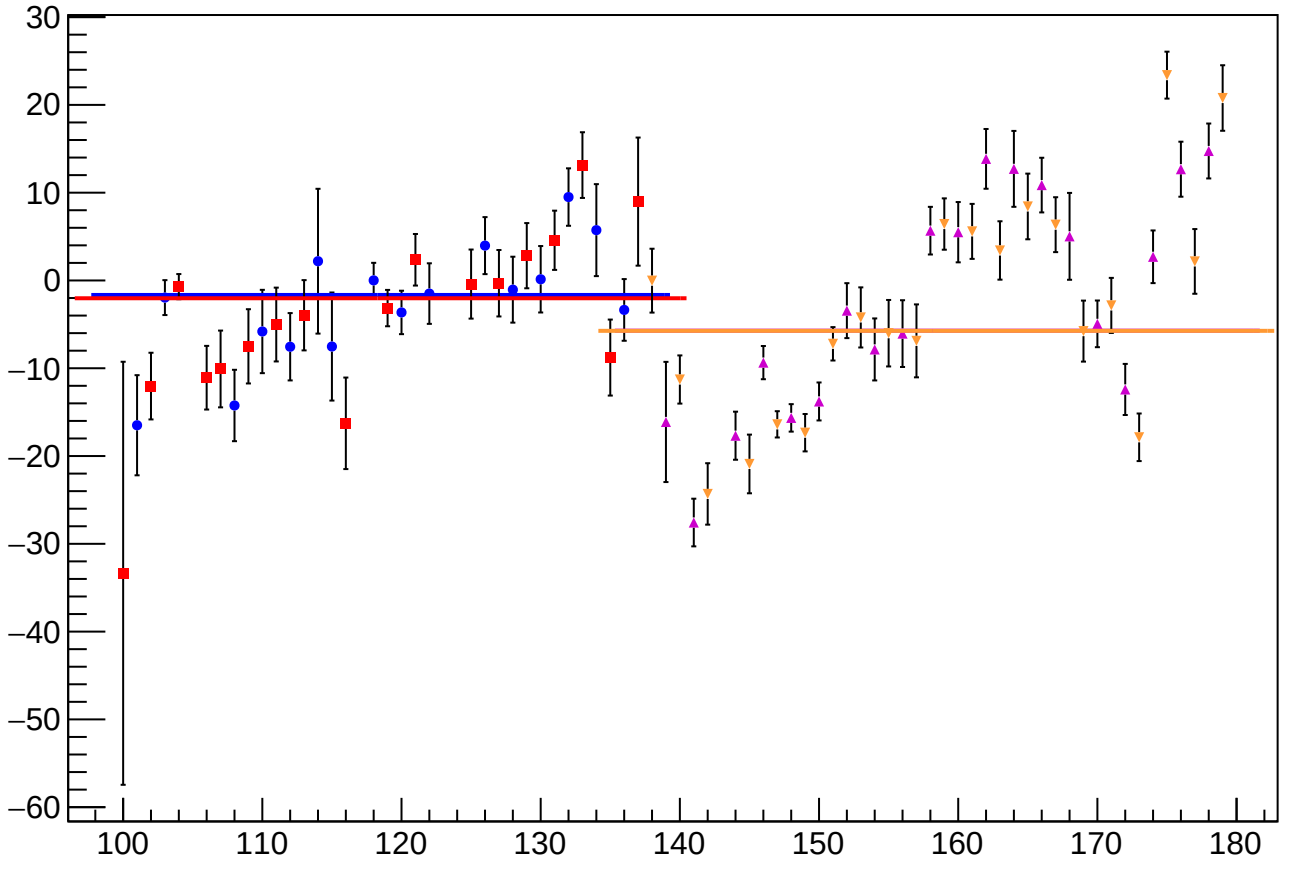
Left: 179.675+/-0.626 χ^2/NDF: 3510.8/40

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 151.697+/-0.598 χ^2/NDF:9824.3/35

Out: 145.208+/-0.582 χ^2/NDF:10980.2/38

All: 148.365+/-0.417 χ^2/NDF: 20864.9/74



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -5.738+/-0.617 χ^2/NDF:398.5/20

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -5.719+/-0.630 χ^2/NDF:348.2/19

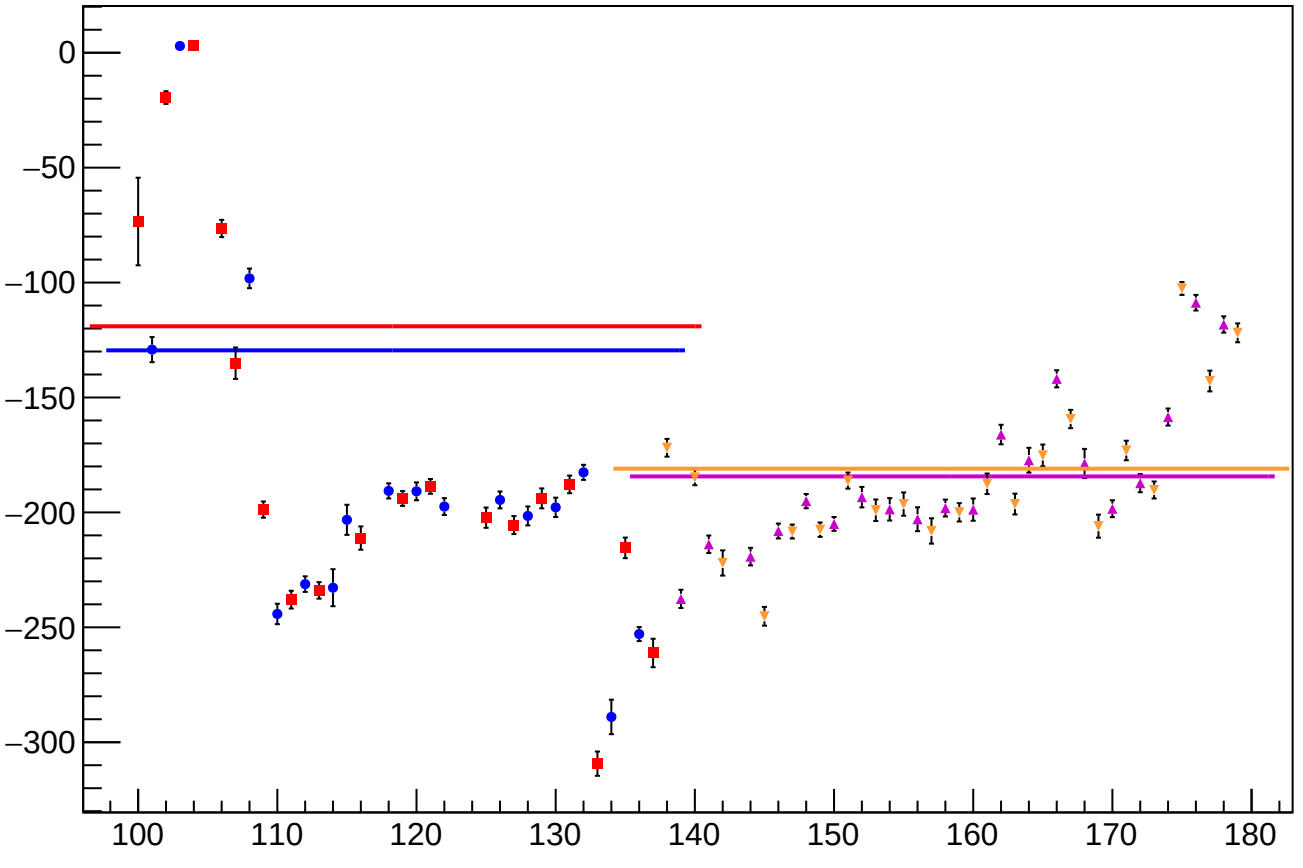
Left: -5.729+/-0.441 χ^2/NDF: 746.7/40

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -4.239+/-0.502 χ^2/NDF:402.5/35

Out: -4.287+/-0.482 χ^2/NDF:471.2/38

All: -4.264+/-0.348 χ^2/NDF: 873.6/74



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -180.989+/-0.868 χ^2/NDF:1668.2/20

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -184.333+/-0.871 χ^2/NDF:1536.3/19

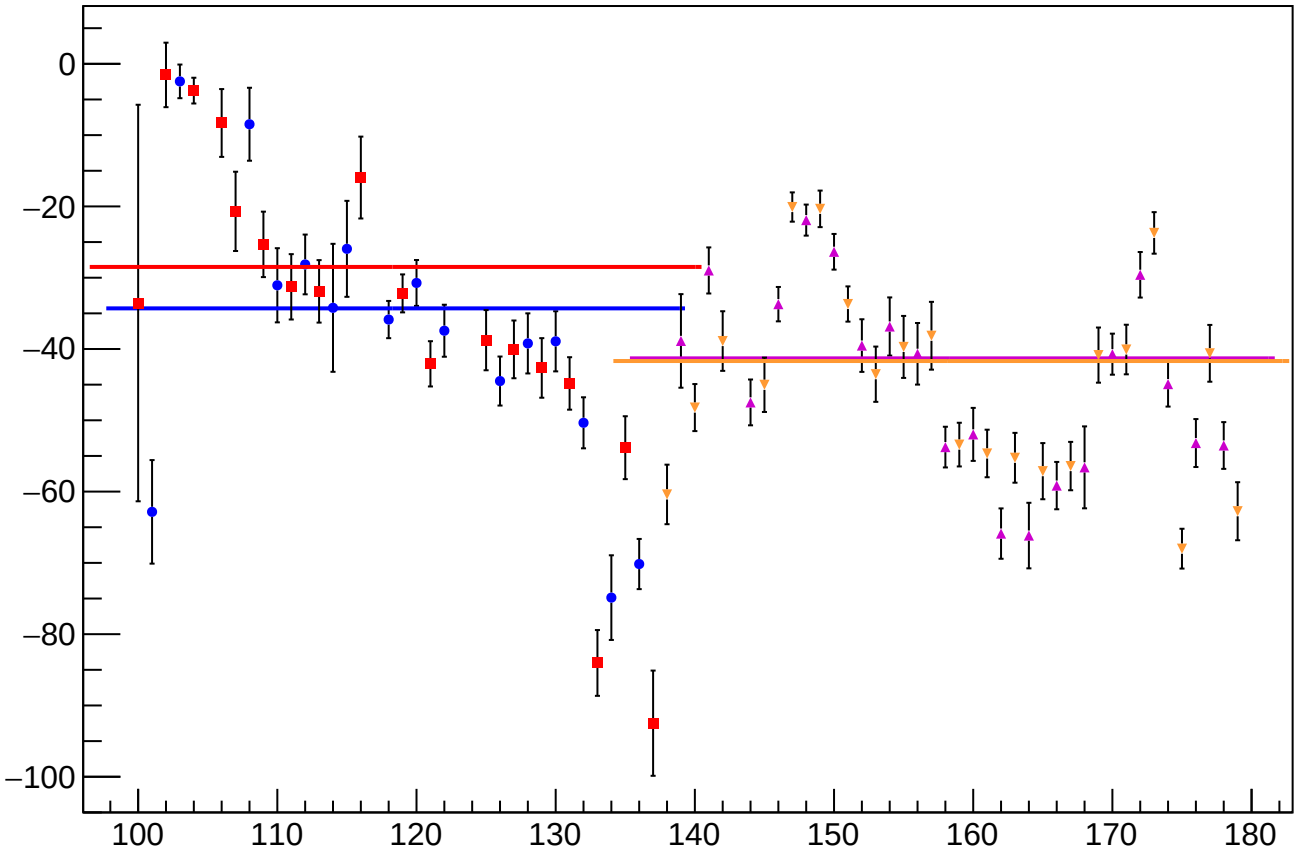
Left: -182.655+/-0.615 χ^2/NDF: 3211.8/40

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.119+/-0.607 χ^2/NDF:18261.9/35

Out: -147.974+/-0.593 χ^2/NDF:20561.1/38

All: -151.953+/-0.424 χ^2/NDF: 38915.2/74



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.686+/-0.718 χ^2/NDF:449.7/20

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -41.312+/-0.727 χ^2/NDF:326.8/19

Left: -41.502+/-0.511 χ^2/NDF: 776.7/40

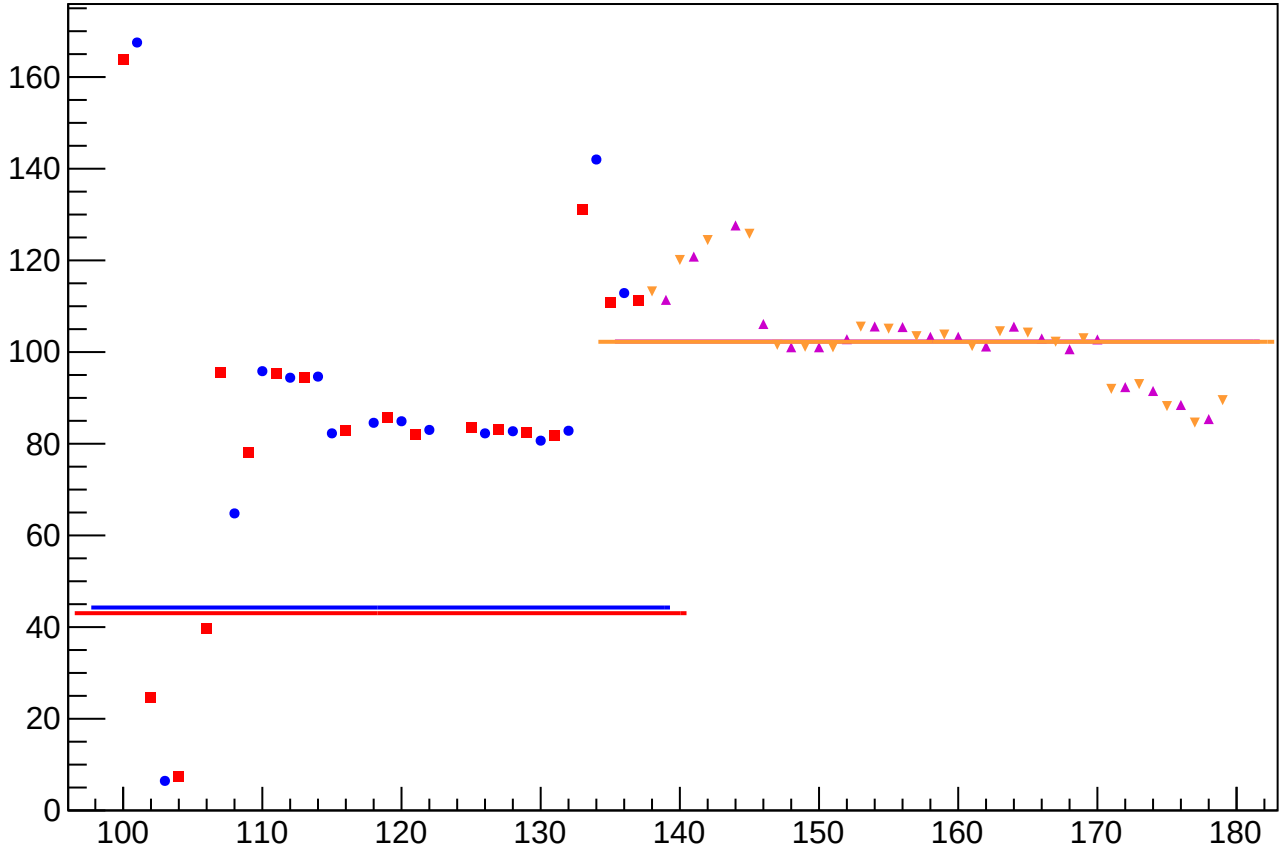
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -38.781+/-0.582 χ^2/NDF:771.7/35

Out: -36.602+/-0.563 χ^2/NDF:1147.9/38

All: -37.656+/-0.404 χ^2/NDF: 1926.8/74

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 102.242+/-0.034 χ^2/NDF:89077.6/20

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 102.304+/-0.033 χ^2/NDF:75033.4/19

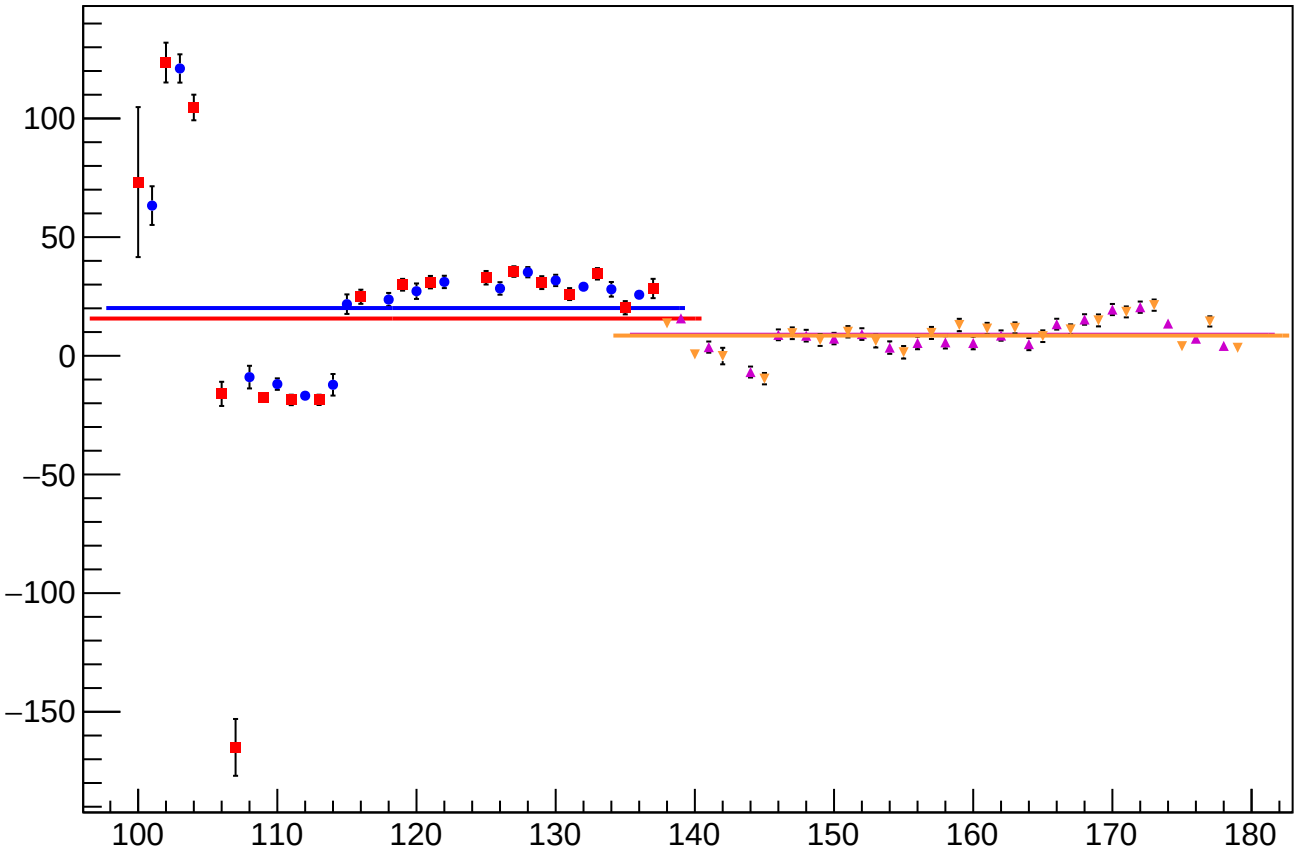
Left: 102.273+/-0.024 χ^2/NDF: 164112.8/40

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 81.762+/-0.027 χ^2/NDF:2237199.7/35

Out: 81.049+/-0.027 χ^2/NDF:2003871.6/38

All: 81.408+/-0.019 χ^2/NDF: 4241424.1/74



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.524+/-0.504 χ^2/NDF:178.3/20

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.877+/-0.514 χ^2/NDF:144.1/19

Left: 8.697+/-0.360 χ^2/NDF: 322.6/40

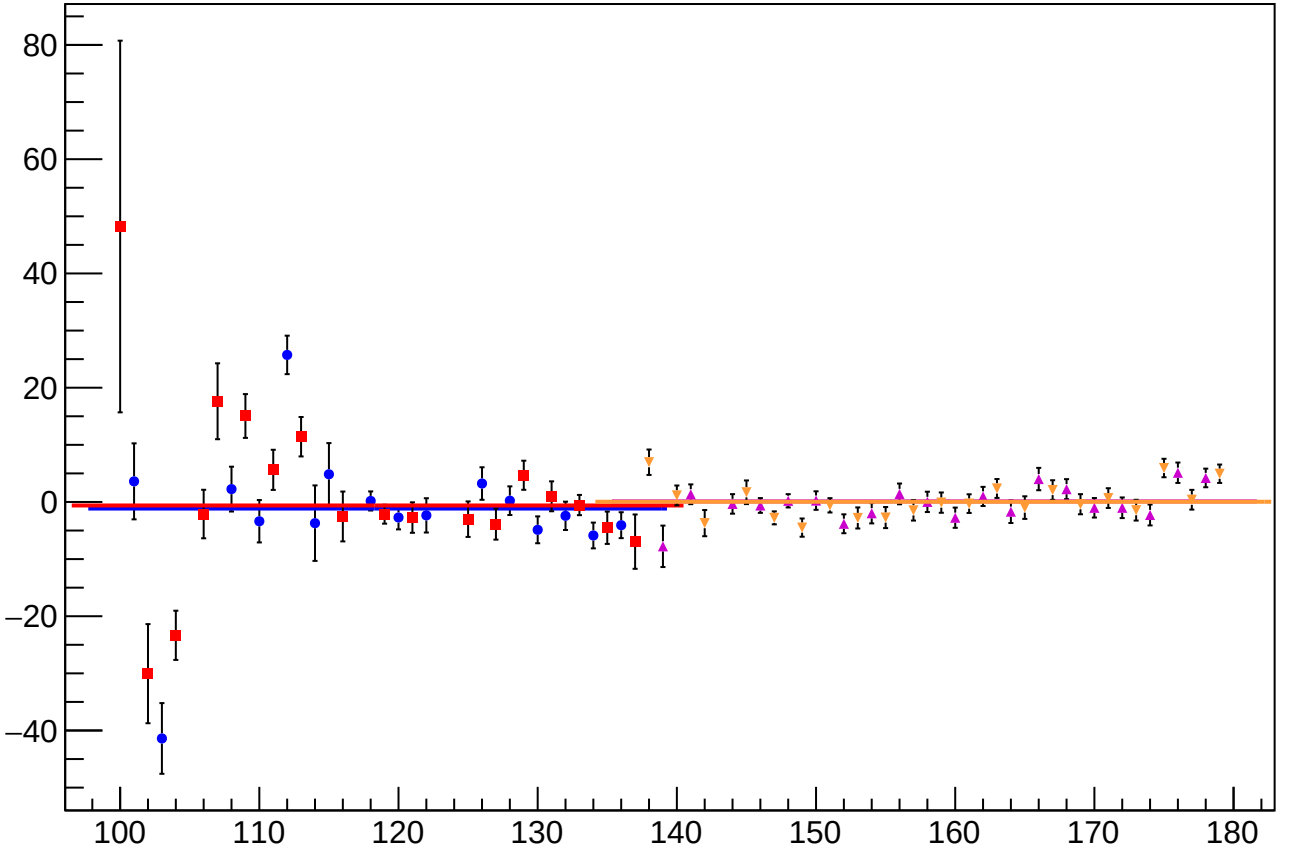
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 12.907+/-0.411 χ^2/NDF:1363.9/35

Out: 11.059+/-0.405 χ^2/NDF:2023.7/38

All: 11.970+/-0.289 χ^2/NDF: 3397.8/74

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 0.037+/-0.368 χ^2/NDF:60.4/20

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: 0.100+/-0.380 χ^2/NDF:39.0/19

Left: 0.068+/-0.264 χ^2/NDF: 99.4/40

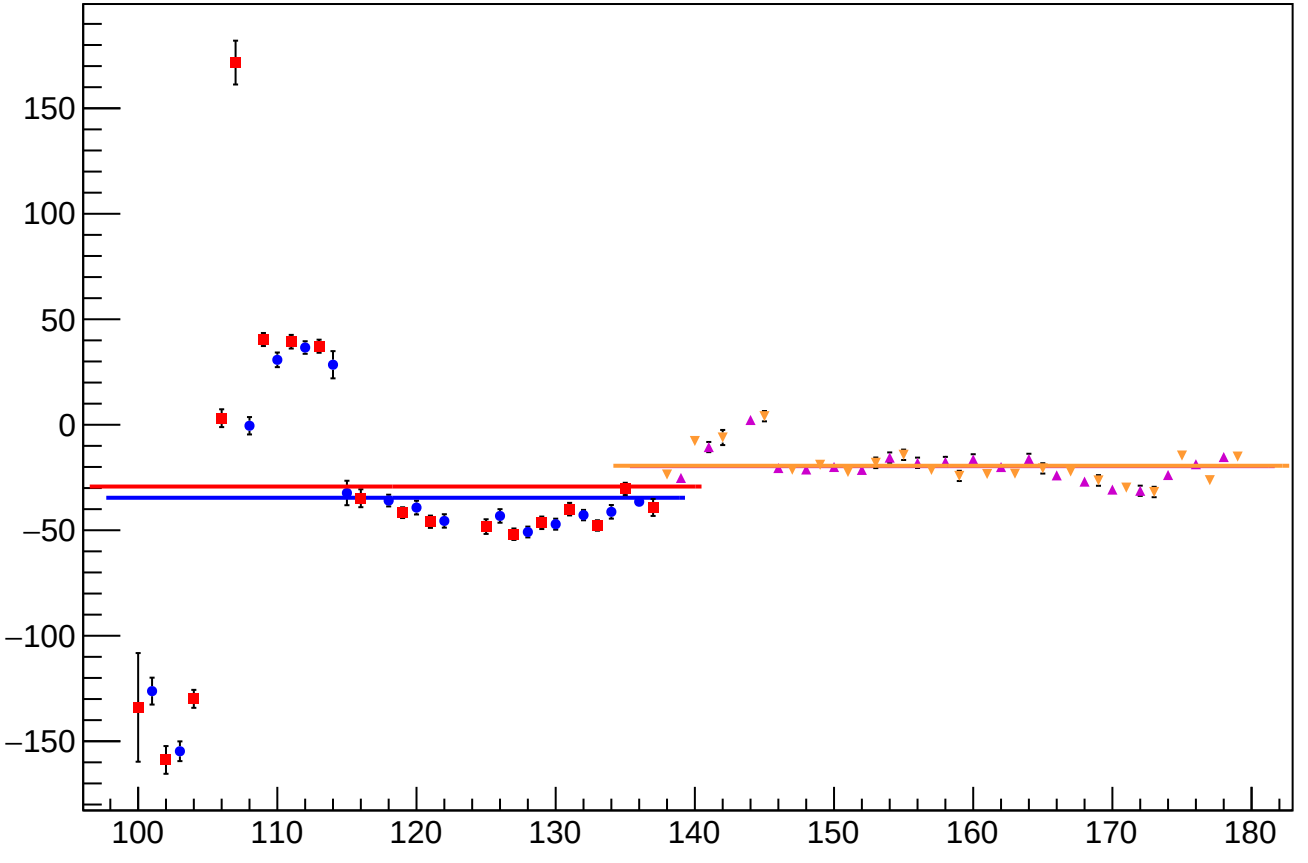
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.186+/-0.334 χ^2/NDF:163.3/35

Out: -0.100+/-0.327 χ^2/NDF:154.4/38

All: -0.142+/-0.234 χ^2/NDF: 317.8/74

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.430+/-0.495 χ^2/NDF:237.2/20

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.618+/-0.506 χ^2/NDF:183.7/19

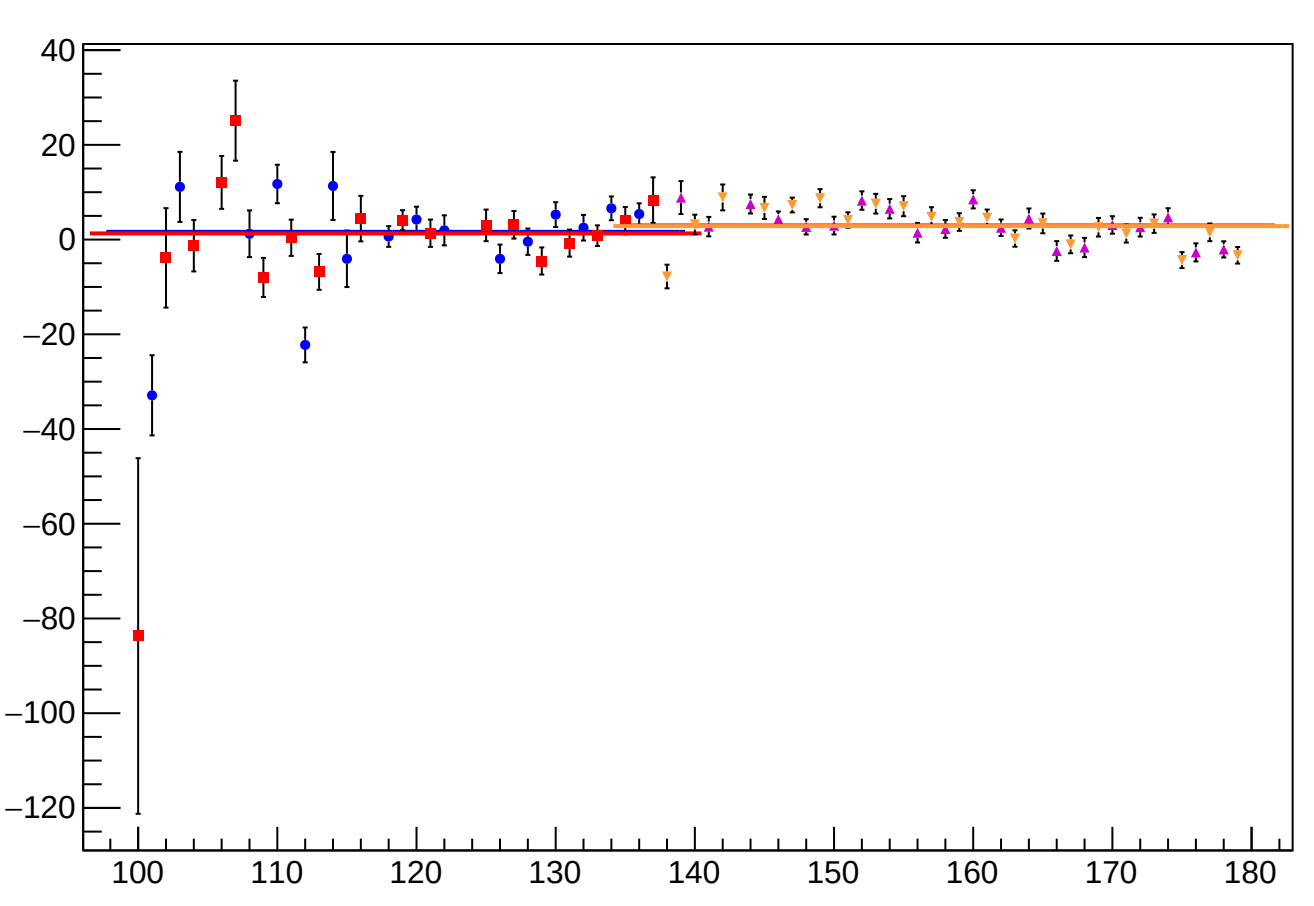
Left: -19.522+/-0.354 χ^2/NDF: 421.0/40

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.000+/-0.425 χ^2/NDF:2499.0/35

Out: -22.159+/-0.421 χ^2/NDF:3427.8/38

All: -23.070+/-0.299 χ^2/NDF: 5936.3/74



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 2.843+/-0.419 χ^2/NDF:93.7/20

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 2.984+/-0.432 χ^2/NDF:58.9/19

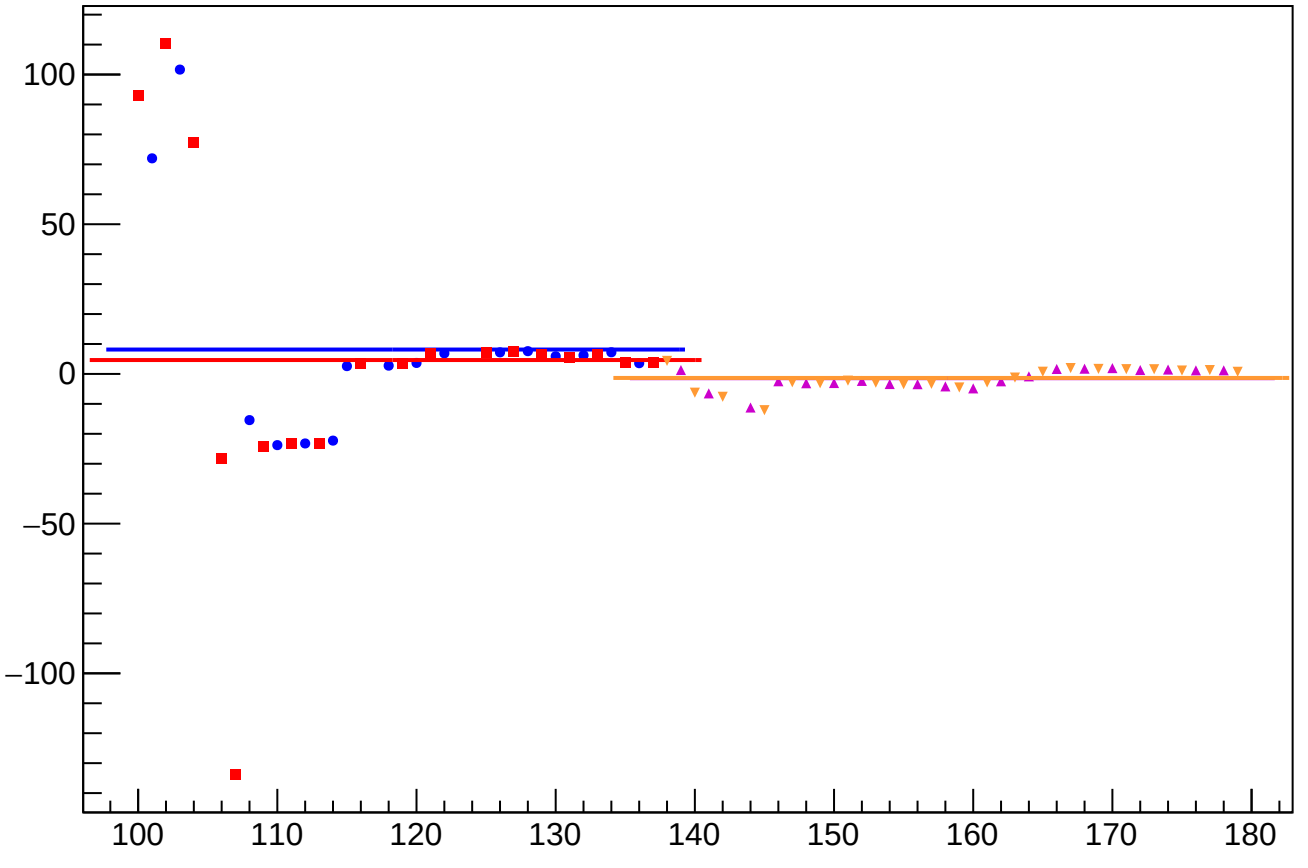
Left: 2.911+/-0.301 χ^2/NDF: 152.6/40

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.677+/-0.380 χ^2/NDF:144.4/35

Out: 2.521+/-0.373 χ^2/NDF:134.1/38

All: 2.597+/-0.266 χ^2/NDF: 278.5/74



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.342+/-0.019 χ^2/NDF:34394.1/20

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.426+/-0.019 χ^2/NDF:26504.2/19

Left: -1.384+/-0.013 χ^2/NDF: 60908.0/40

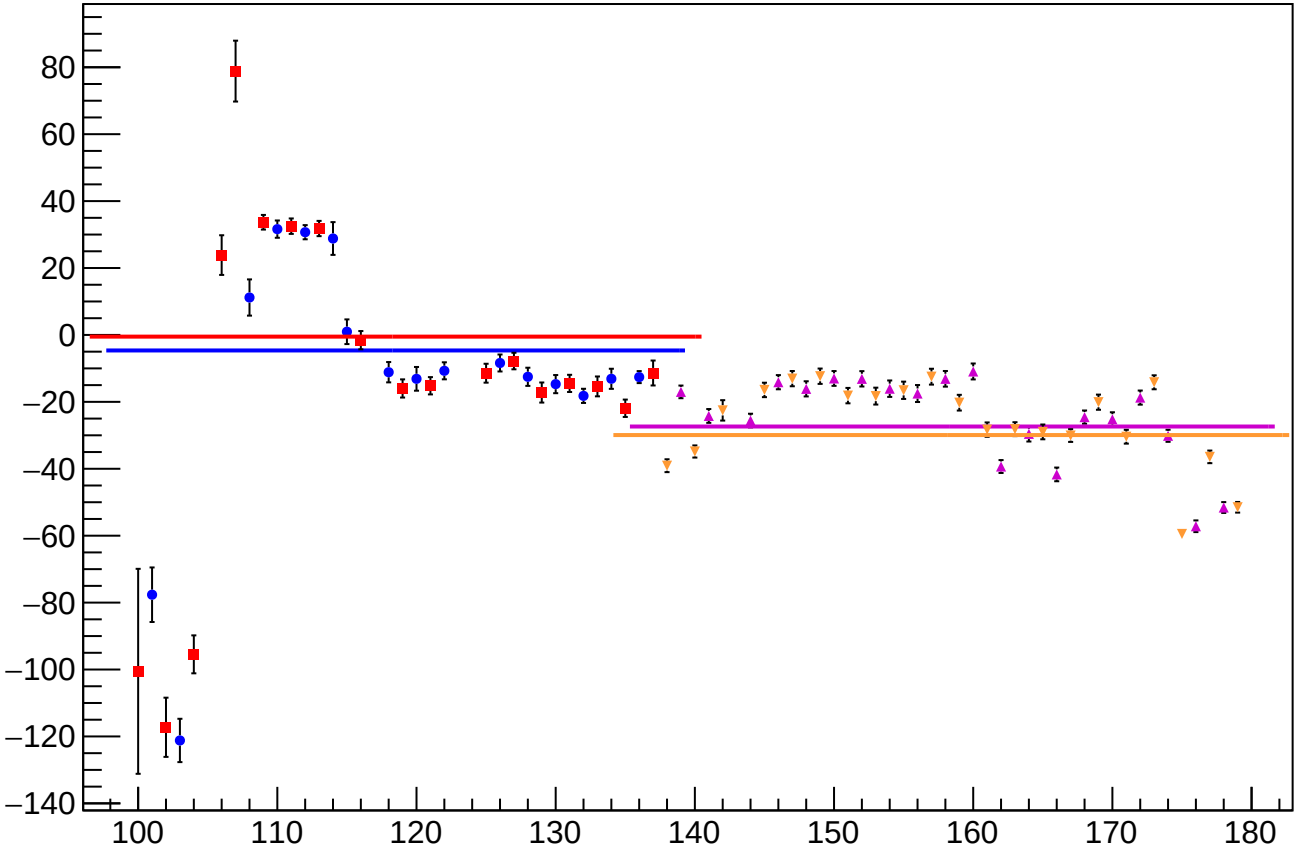
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.150+/-0.018 χ^2/NDF:373792.2/35

Out: -0.644+/-0.018 χ^2/NDF:493025.3/38

All: -0.397+/-0.012 χ^2/NDF: 867209.0/74

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -29.925+/-0.454 χ^2/NDF:996.7/20

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -27.370+/-0.463 χ^2/NDF:923.6/19

Left: -28.672+/-0.324 χ^2/NDF: 1935.8/40

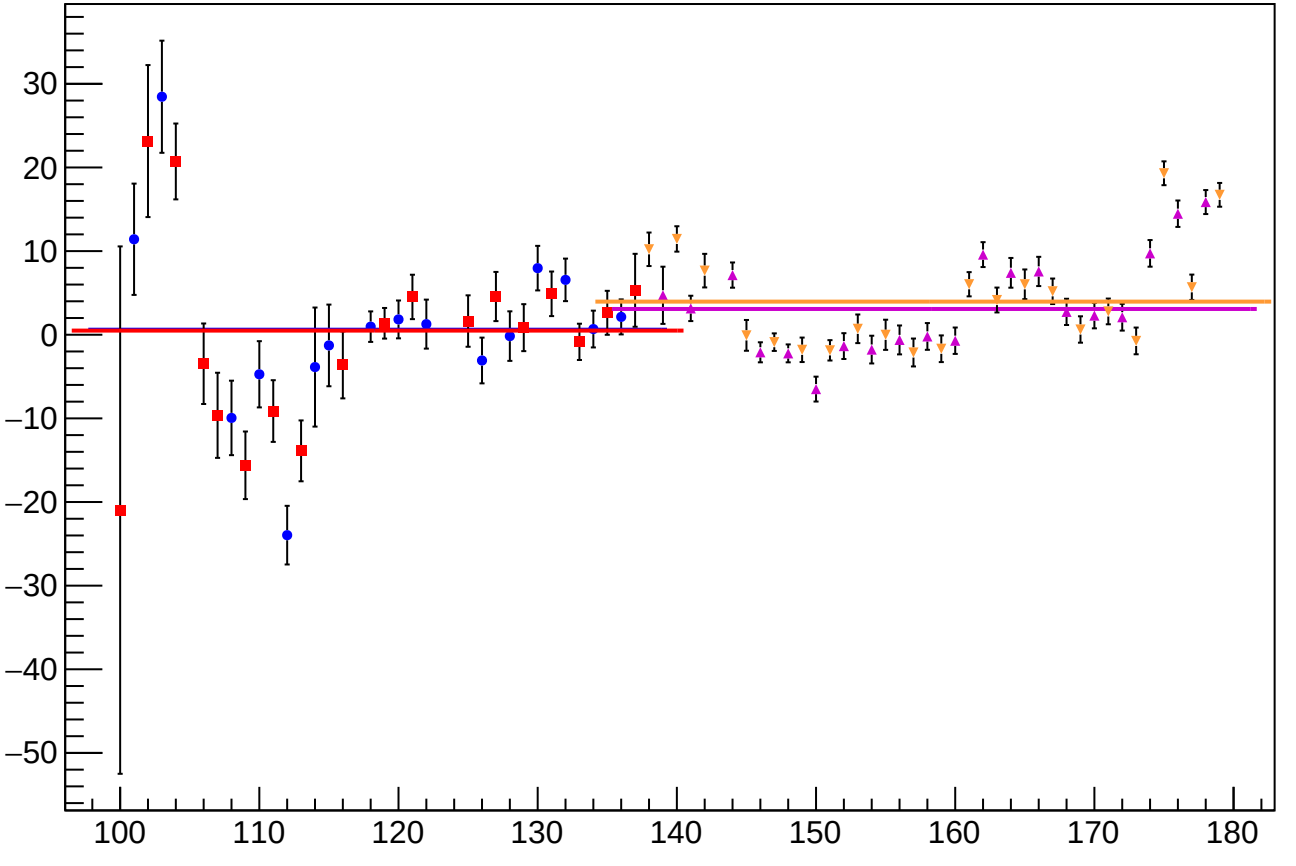
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -20.609+/-0.388 χ^2/NDF:2686.8/35

Out: -21.390+/-0.383 χ^2/NDF:3670.5/38

All: -21.005+/-0.273 χ^2/NDF: 6359.3/74

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.961+/-0.333 χ^2/NDF:352.1/20

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 3.081+/-0.343 χ^2/NDF:304.7/19

Left: 3.534+/-0.239 χ^2/NDF: 660.2/40

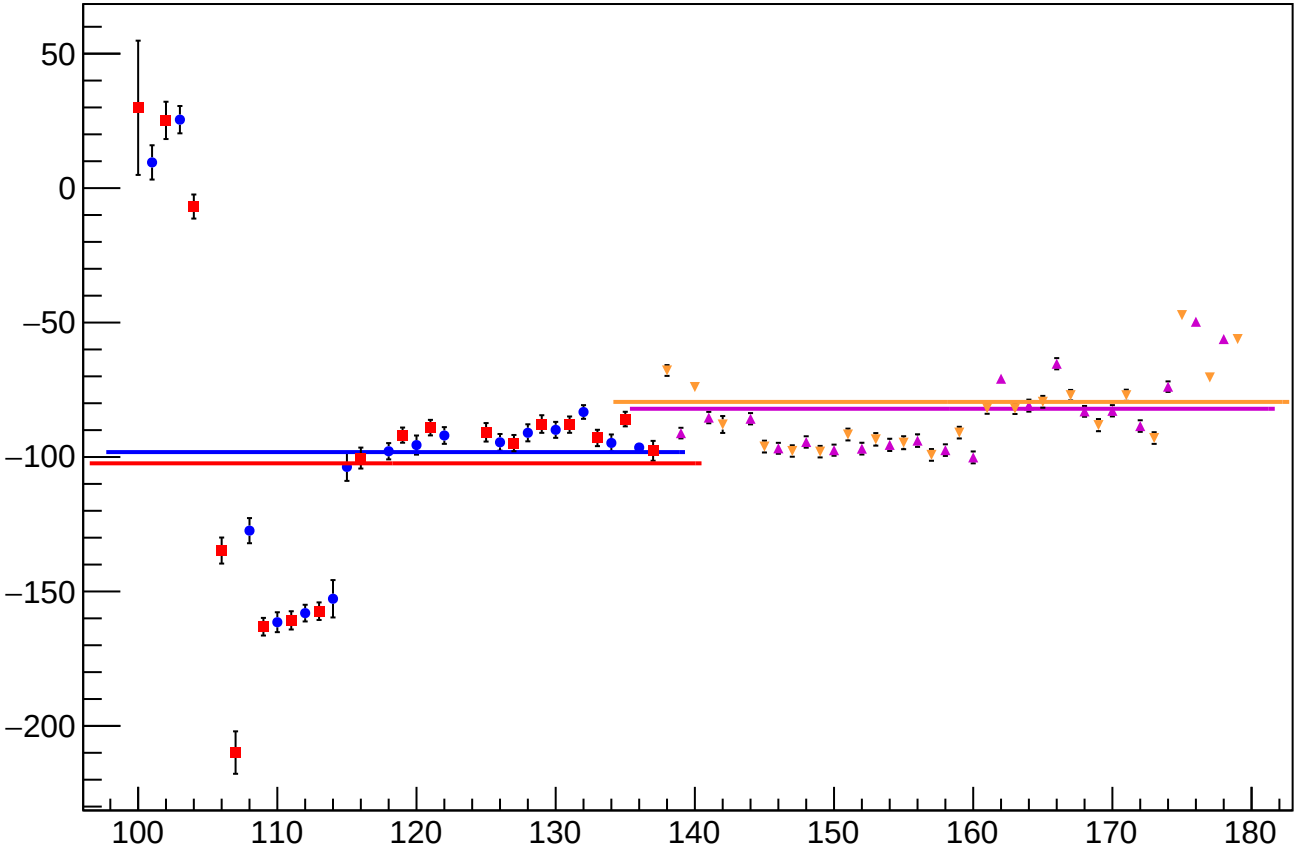
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 2.630+/-0.310 χ^2/NDF:407.1/35

Out: 3.395+/-0.305 χ^2/NDF:449.8/38

All: 3.019+/-0.218 χ^2/NDF: 860.0/74

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -79.507+/-0.447 χ^2/NDF:1242.6/20

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -82.061+/-0.456 χ^2/NDF:1132.7/19

Left: -80.758+/-0.319 χ^2/NDF: 2391.3/40

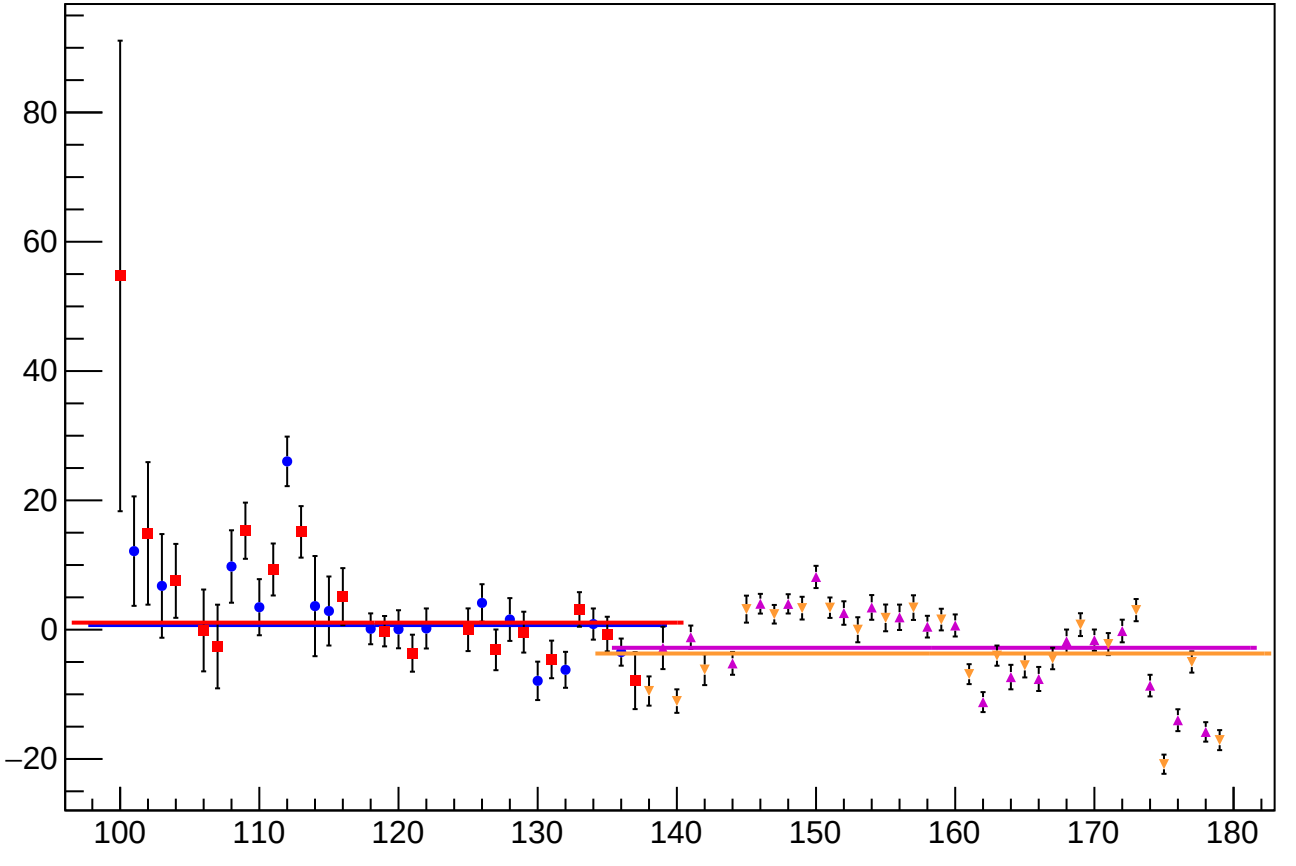
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -85.920+/-0.398 χ^2/NDF:3131.3/35

Out: -84.576+/-0.394 χ^2/NDF:3939.6/38

All: -85.242+/-0.280 χ^2/NDF: 7076.7/74

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.688+/-0.379 χ^2/NDF:359.9/20

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -2.804+/-0.389 χ^2/NDF:293.1/19

Left: -3.258+/-0.271 χ^2/NDF: 655.6/40

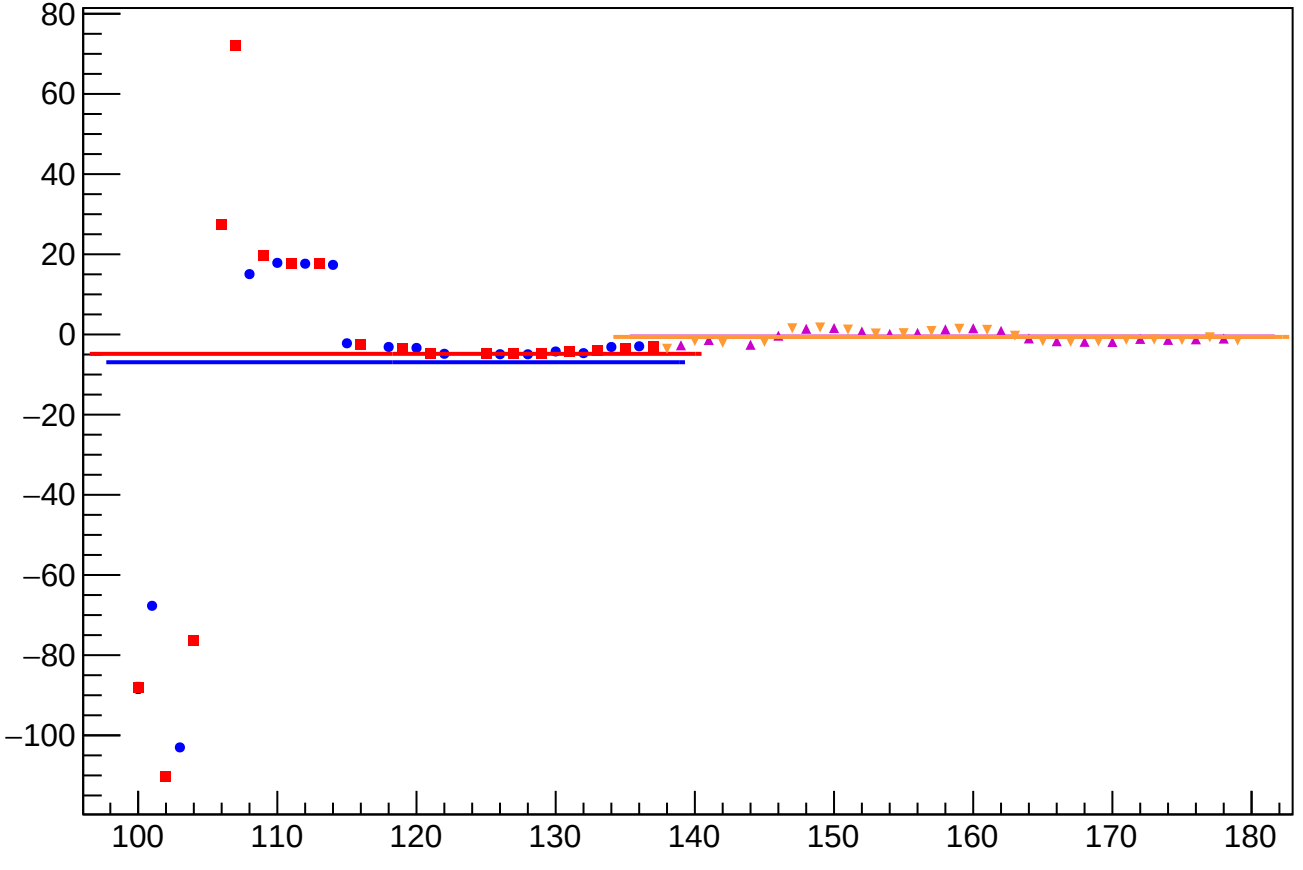
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -2.160+/-0.352 χ^2/NDF:377.6/35

Out: -2.907+/-0.346 χ^2/NDF:433.6/38

All: -2.539+/-0.247 χ^2/NDF: 813.5/74

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.609+/-0.017 χ^2/NDF:6689.4/20

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.528+/-0.017 χ^2/NDF:6158.5/19

Left: -0.569+/-0.012 χ^2/NDF: 12858.9/40

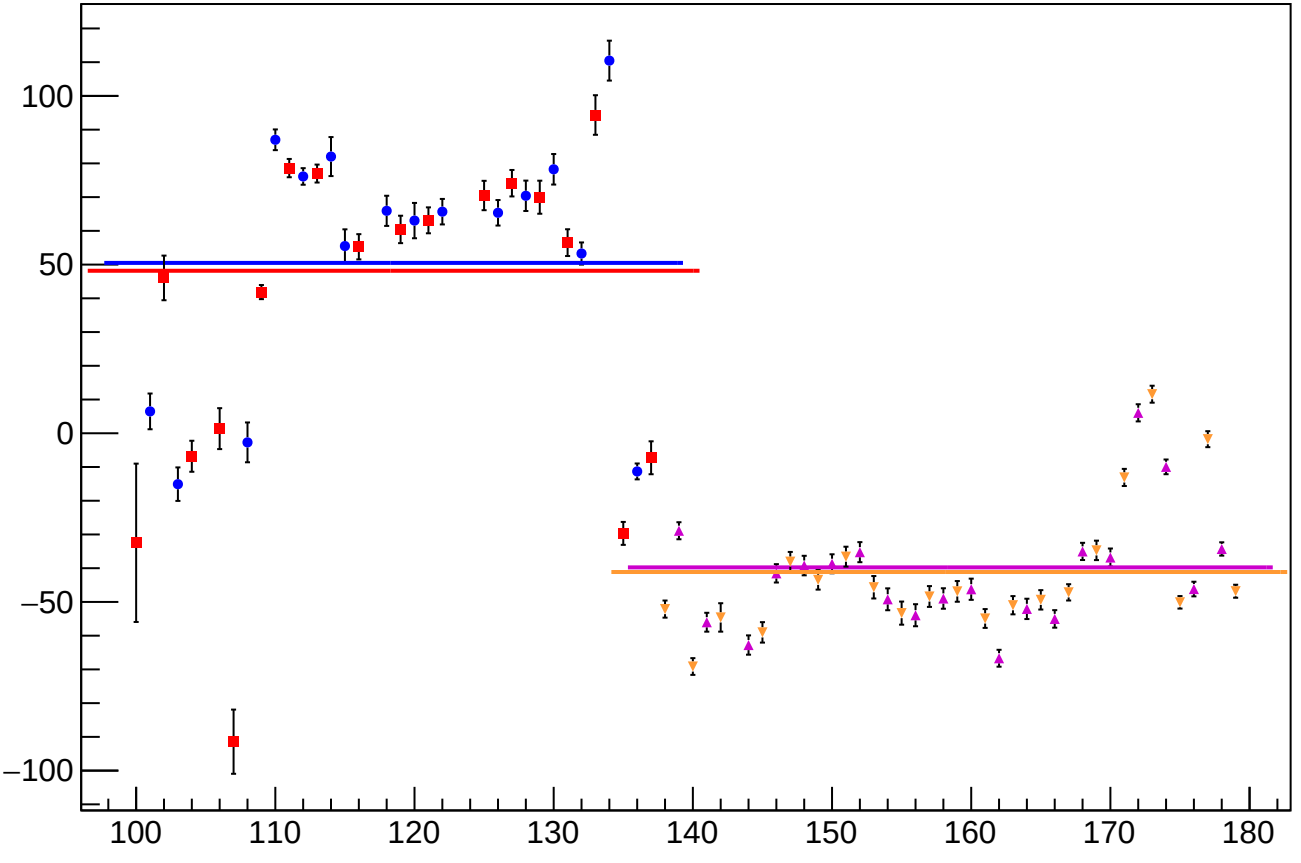
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.239+/-0.016 χ^2/NDF:286799.6/35

Out: -1.006+/-0.016 χ^2/NDF:351850.6/38

All: -1.122+/-0.011 χ^2/NDF: 638754.1/74

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -41.125+/-0.582 χ^2/NDF:1146.0/20

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -39.756+/-0.593 χ^2/NDF:859.7/19

Left: -40.454+/-0.415 χ^2/NDF: 2008.4/40

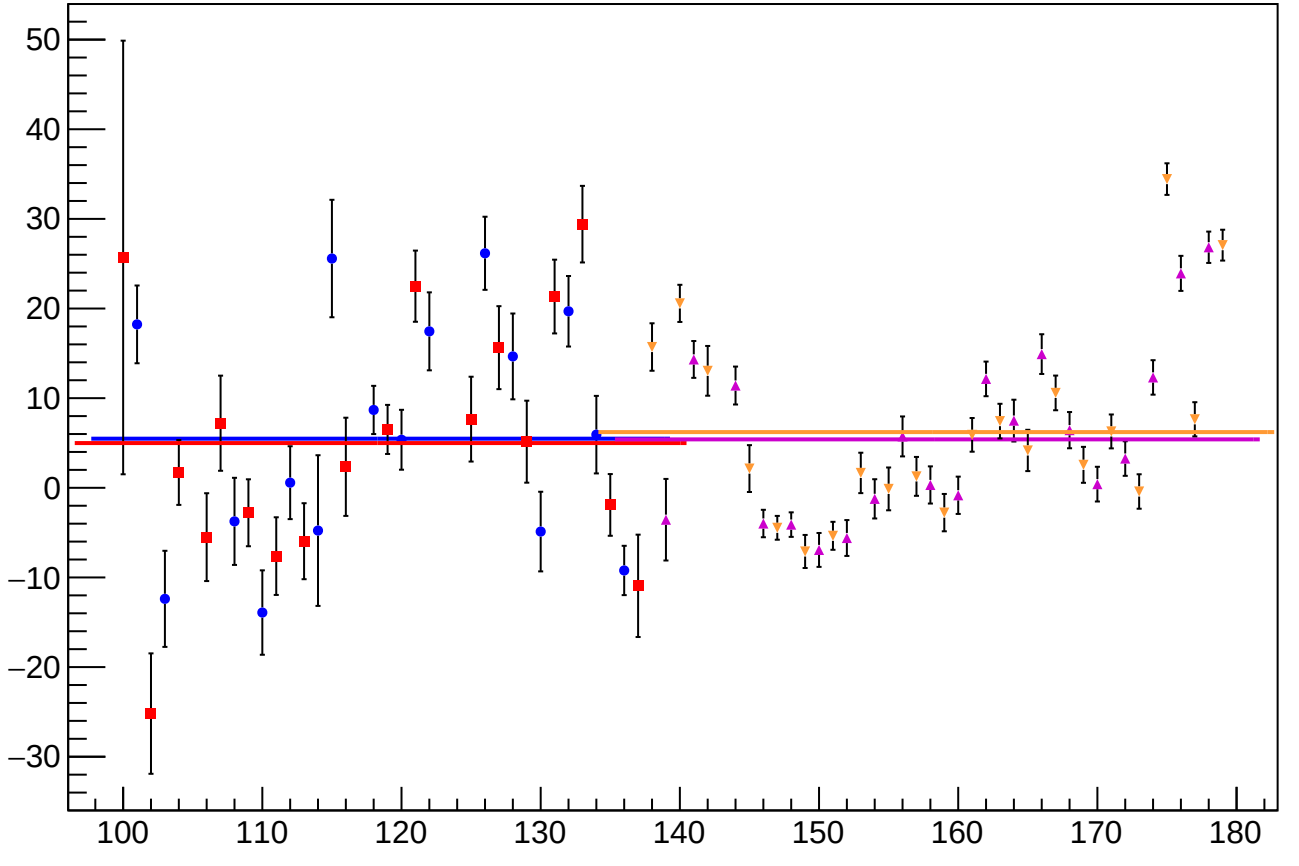
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -15.035+/-0.505 χ^2/NDF:8711.2/35

Out: -15.381+/-0.491 χ^2/NDF:9454.5/38

All: -15.213+/-0.352 χ^2/NDF: 18165.9/74

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 6.217+/-0.427 χ^2/NDF:701.3/20

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 5.403+/-0.440 χ^2/NDF:506.2/19

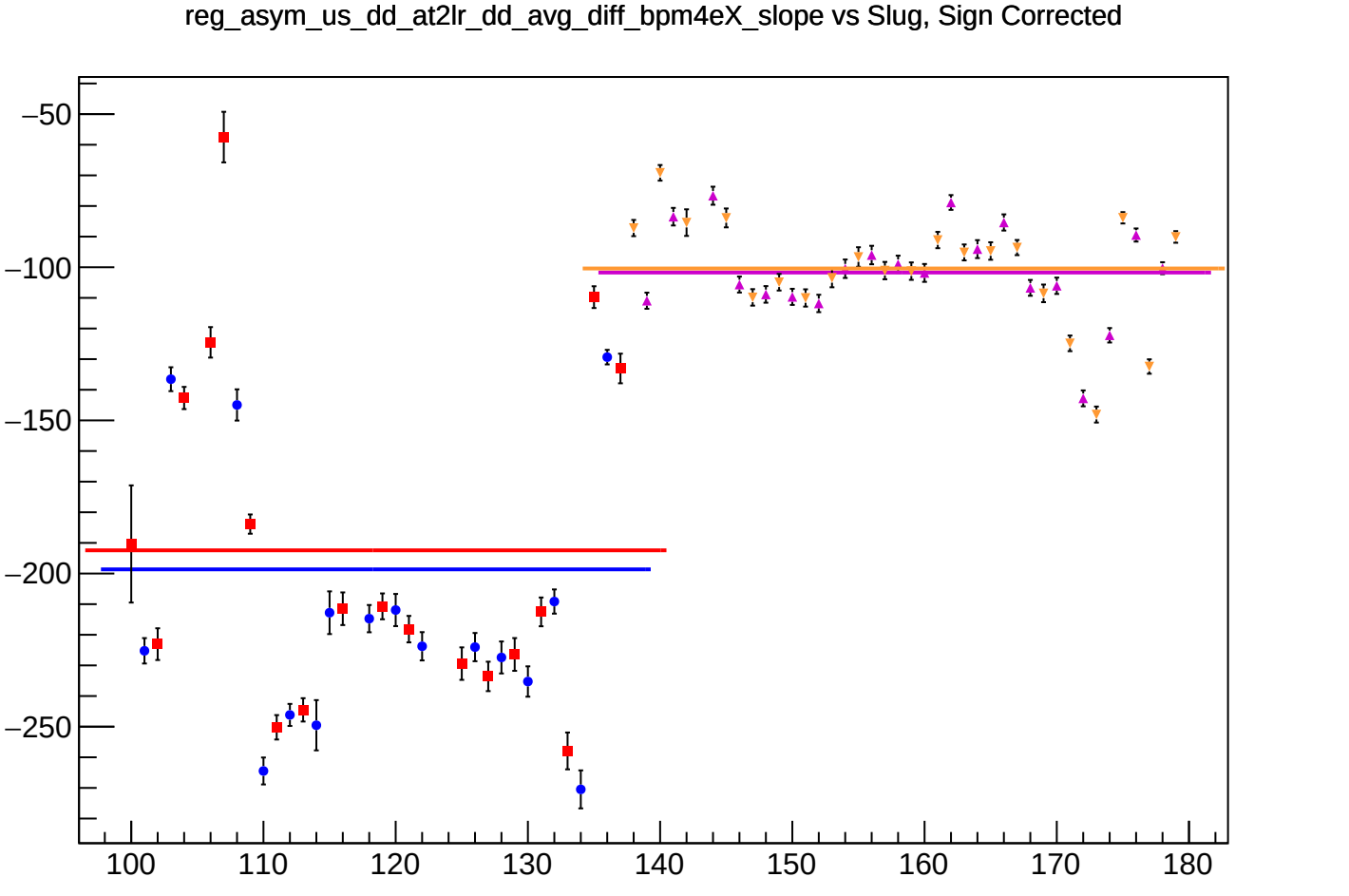
Left: 5.821+/-0.306 χ^2/NDF: 1209.2/40

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 5.415+/-0.404 χ^2/NDF:644.3/35

Out: 6.034+/-0.394 χ^2/NDF:834.3/38

All: 5.732+/-0.282 χ^2/NDF: 1479.8/74



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -100.402+/-0.572 χ^2/NDF:1000.0/20

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.725+/-0.584 χ^2/NDF:661.4/19

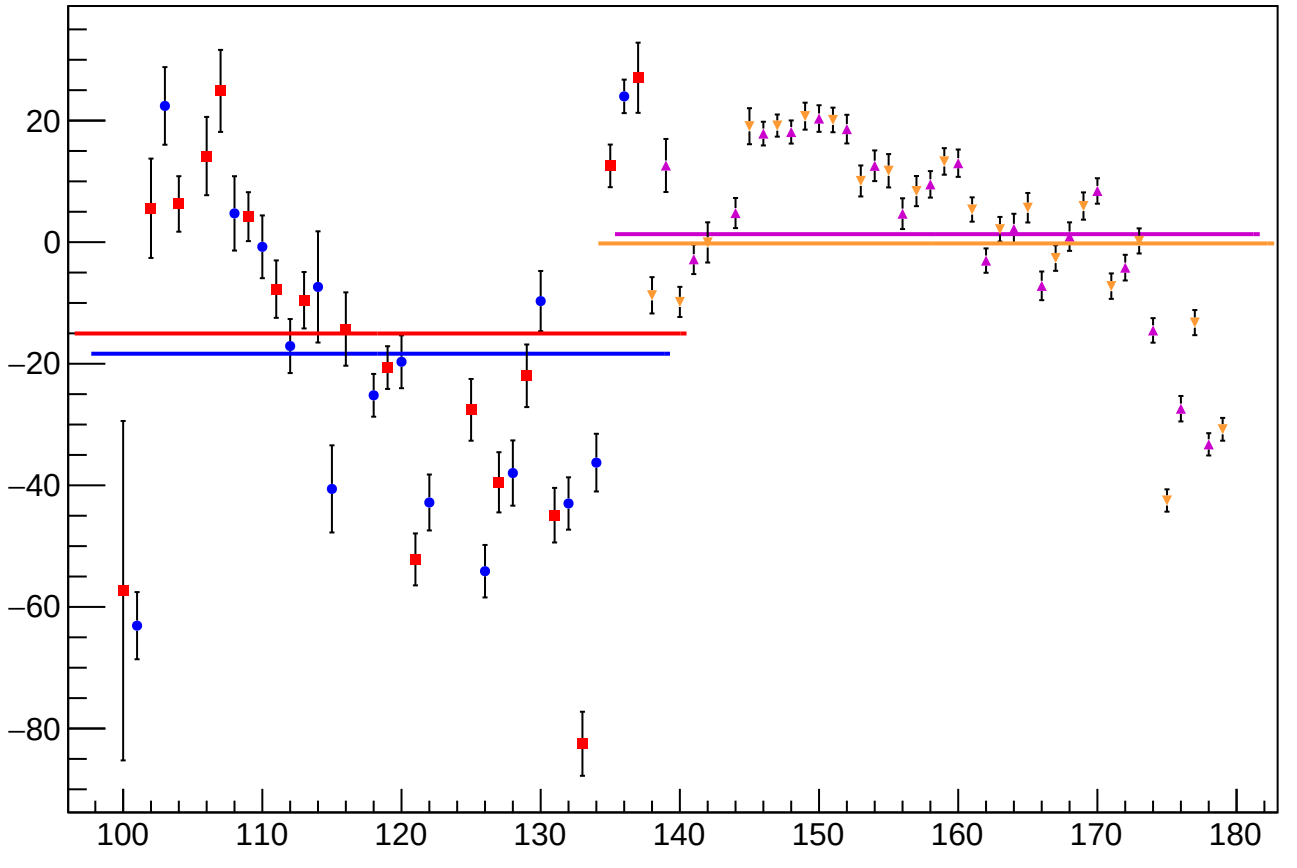
Left: -101.050+/-0.409 χ^2/NDF: 1664.0/40

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -123.574+/-0.514 χ^2/NDF:8862.0/35

Out: -120.588+/-0.506 χ^2/NDF:8809.5/38

All: -122.056+/-0.361 χ^2/NDF: 17688.7/74



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -0.210+/-0.485 χ^2/NDF:1325.5/20

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 1.315+/-0.498 χ^2/NDF:994.6/19

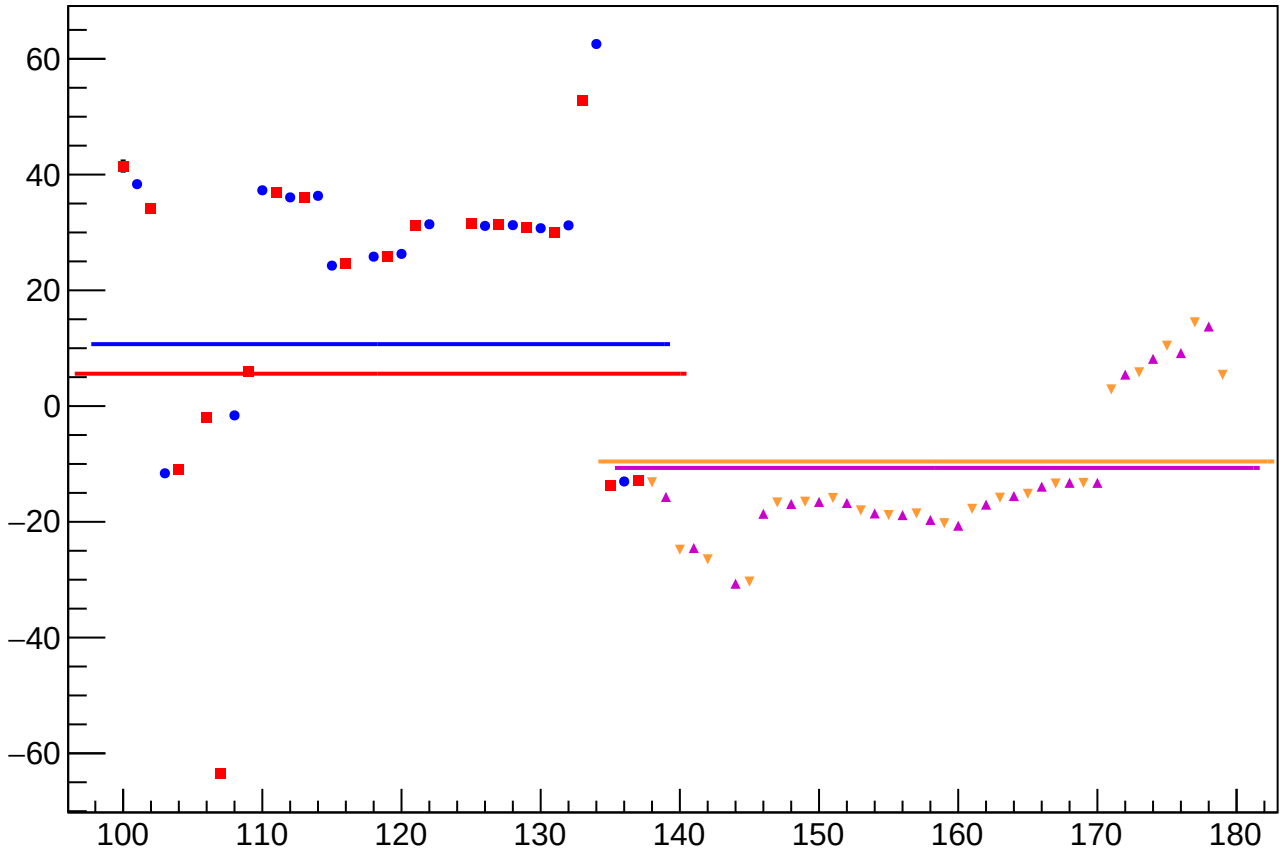
Left: 0.532+/-0.347 χ^2/NDF: 2324.9/40

Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -1.750+/-0.458 χ^2/NDF:1781.3/35

Out: -2.407+/-0.447 χ^2/NDF:2010.3/38

All: -2.086+/-0.320 χ^2/NDF: 3792.7/74



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -9.572+/-0.022 χ^2/NDF:336828.6/20

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -10.686+/-0.022 χ^2/NDF:309753.9/19

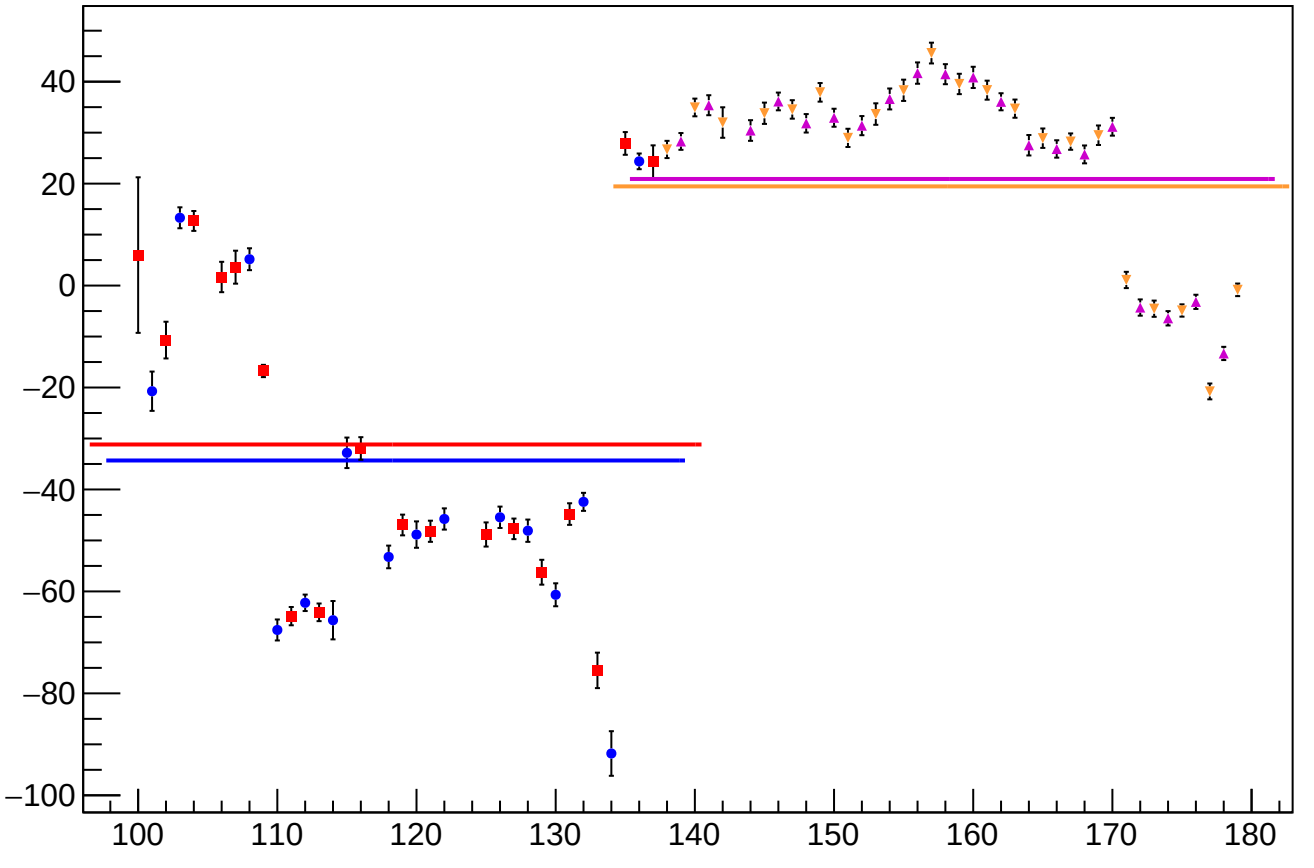
Left: -10.124+/-0.015 χ^2/NDF: 647879.2/40

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -8.360+/-0.021 χ^2/NDF:577671.1/35

Out: -7.980+/-0.021 χ^2/NDF:542670.0/38

All: -8.168+/-0.015 χ^2/NDF: 1120509.9/74



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 19.456+/-0.379 χ^2/NDF:2717.5/20

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 20.911+/-0.387 χ^2/NDF:2410.4/19

Left: 20.168+/-0.271 χ^2/NDF: 5135.1/40

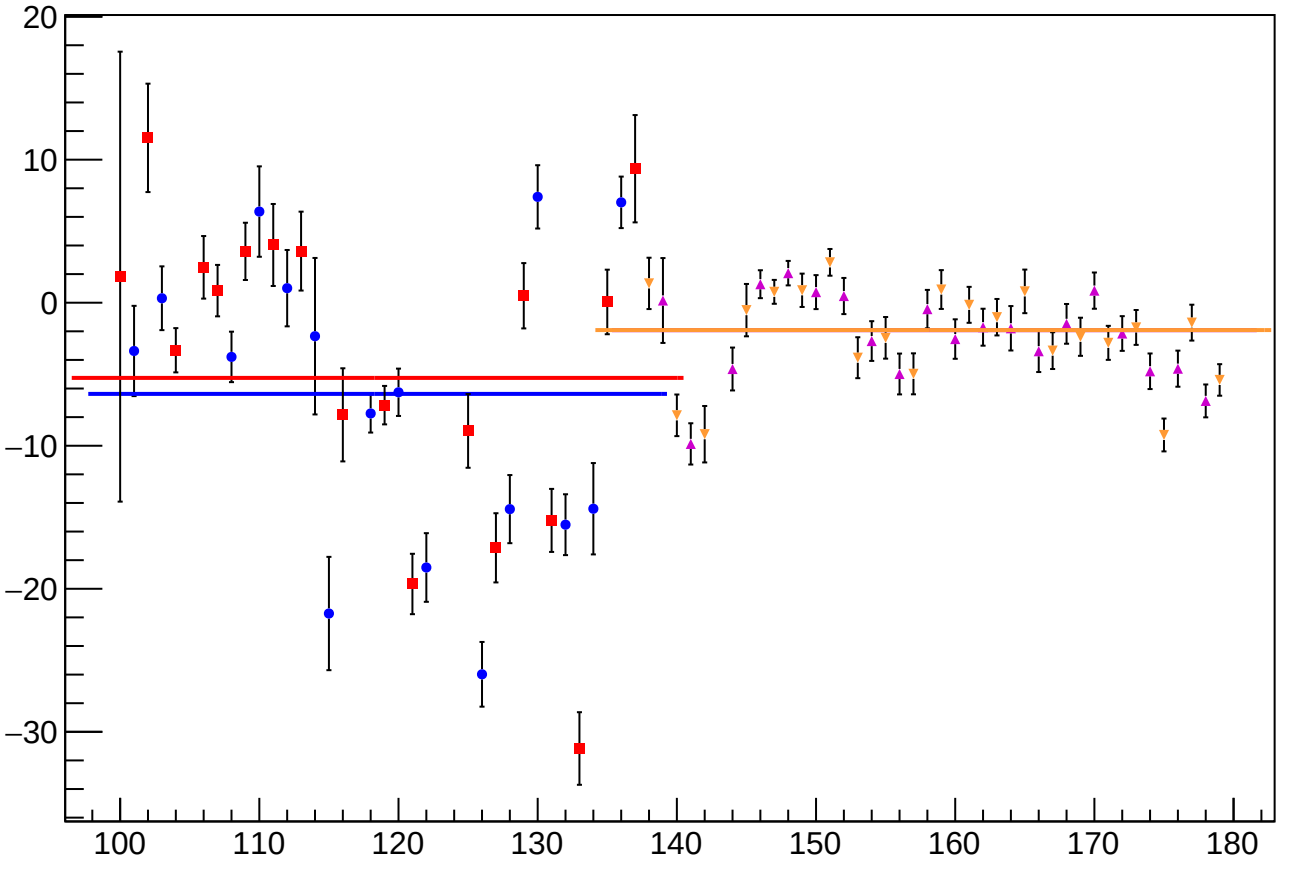
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 2.515+/-0.316 χ^2/NDF:12689.2/35

Out: 1.708+/-0.305 χ^2/NDF:12177.2/38

All: 2.097+/-0.220 χ^2/NDF: 24869.8/74

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.914+/-0.276 χ^2/NDF:145.4/20

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.921+/-0.286 χ^2/NDF:115.9/19

Left: -1.917+/-0.199 χ^2/NDF: 261.3/40

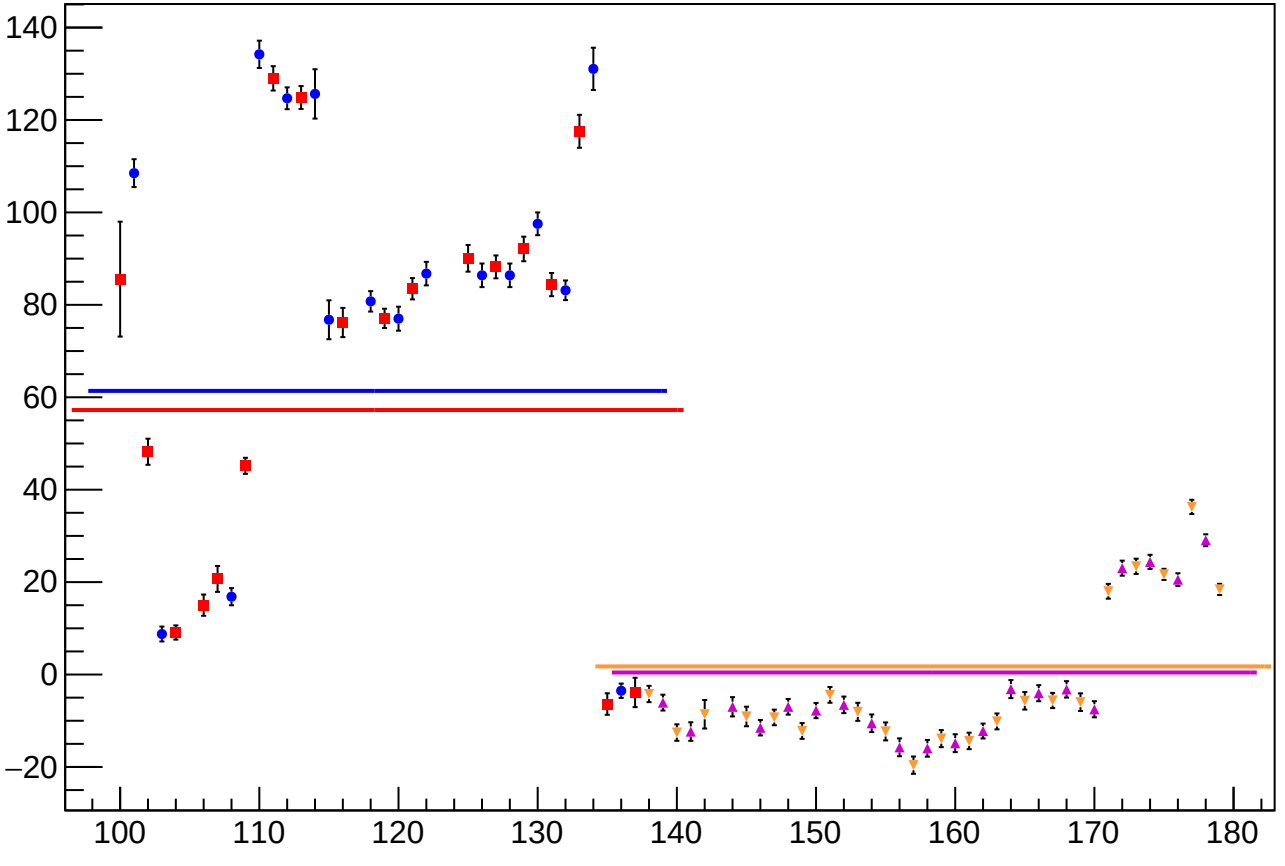
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.860+/-0.254 χ^2/NDF:450.6/35

Out: -2.623+/-0.245 χ^2/NDF:489.3/38

All: -2.738+/-0.177 χ^2/NDF: 940.4/74

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 1.756+/-0.372 χ^2/NDF:1931.8/20

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: 0.441+/-0.381 χ^2/NDF:1668.8/19

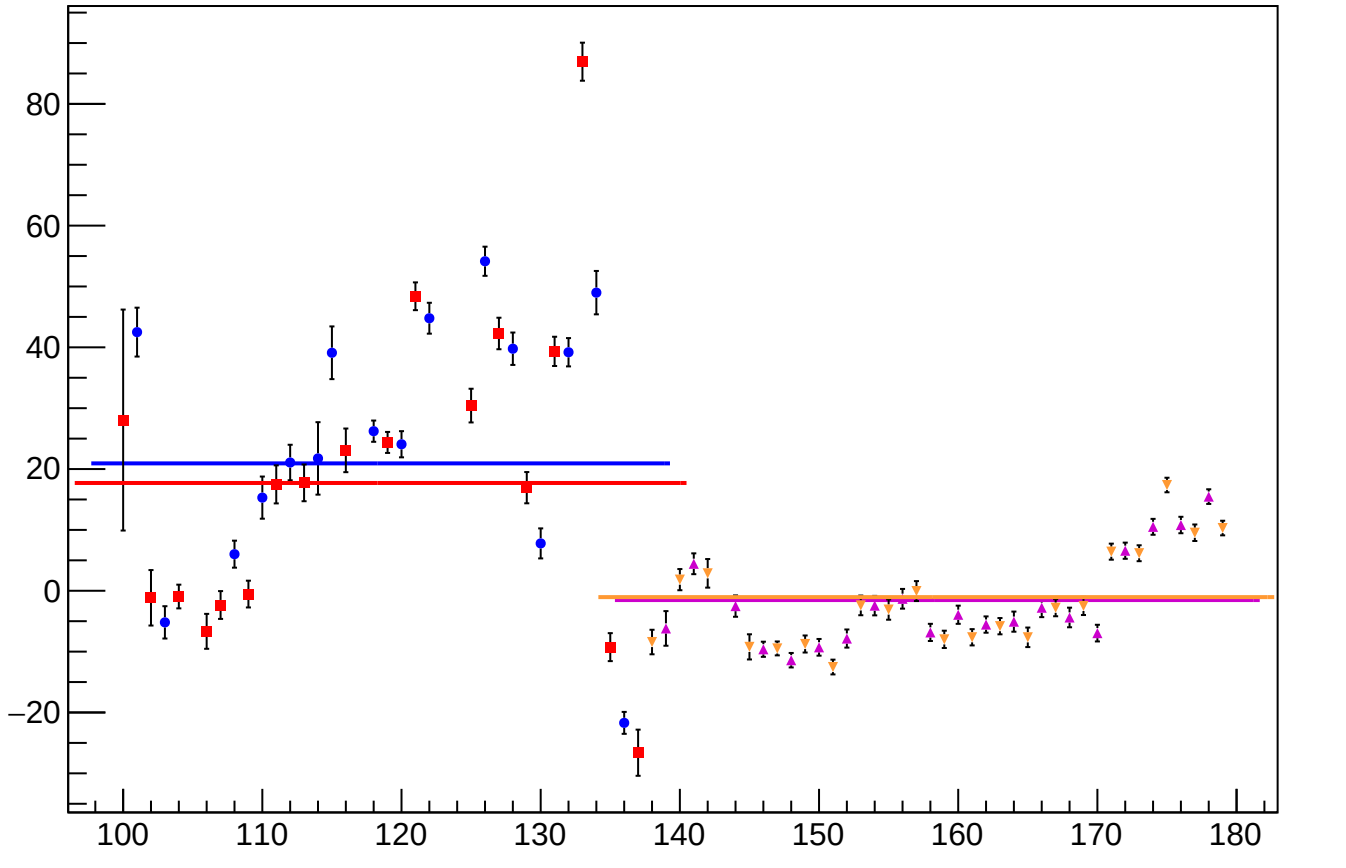
Left: 1.114+/-0.266 χ^2/NDF: 3606.7/40

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

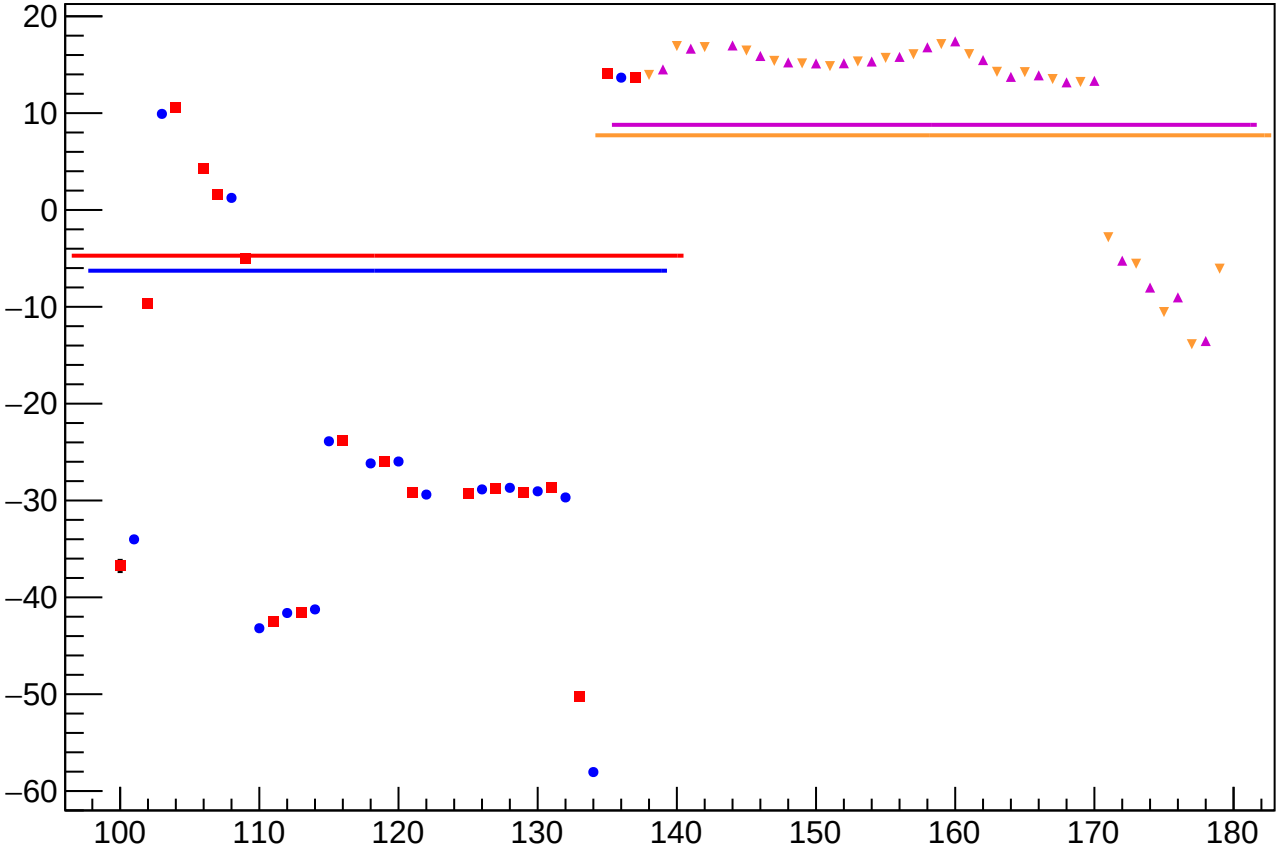
In: 18.206+/-0.321 χ^2/NDF:15183.6/35

Out: 17.929+/-0.313 χ^2/NDF:13678.8/38

All: 18.064+/-0.224 χ^2/NDF: 28862.8/74


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -1.044+/-0.314 χ²/NDF:741.4/20
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -1.527+/-0.325 χ²/NDF:631.3/19
Left: -1.278+/-0.226 χ²/NDF: 1373.8/40
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 3.066+/-0.289 χ²/NDF:2855.8/35
Out: 2.812+/-0.280 χ²/NDF:2954.7/38
All: 2.935+/-0.201 χ²/NDF: 5810.9/74

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 7.711+/-0.014 χ^2/NDF:605752.5/20

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 8.791+/-0.014 χ^2/NDF:566827.3/19

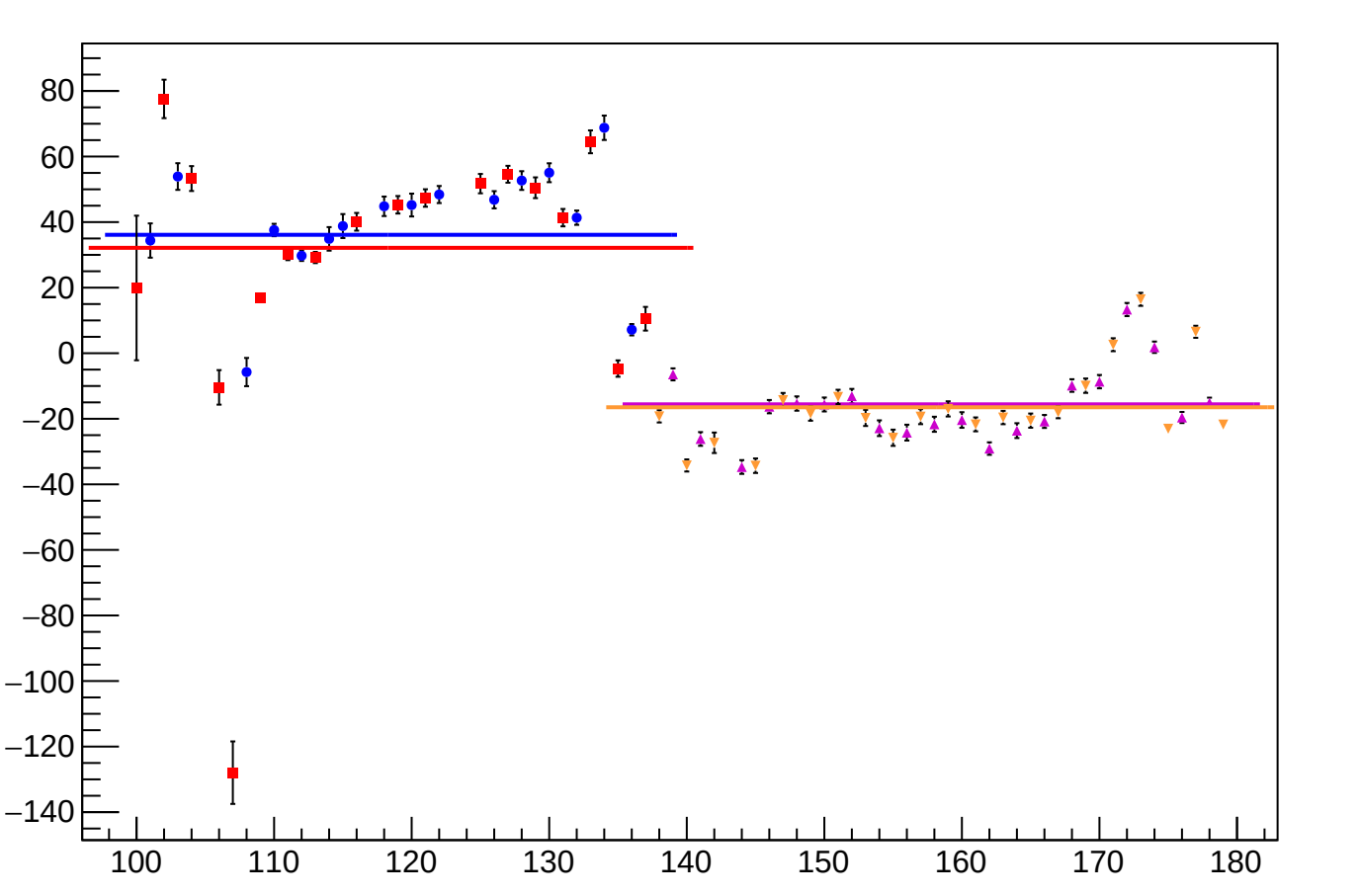
Left: 8.245+/-0.010 χ^2/NDF: 1175463.9/40

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

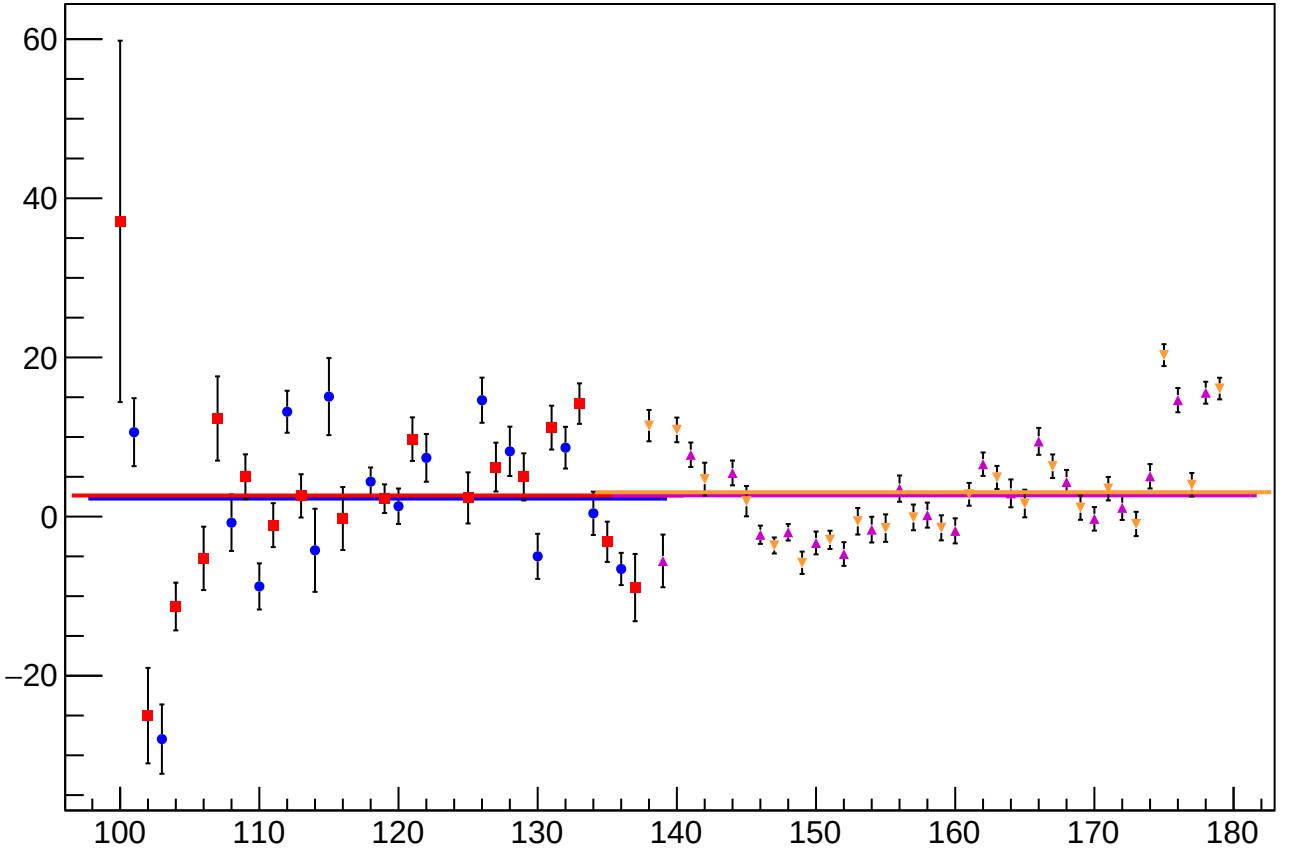
In: 6.457+/-0.013 χ^2/NDF:1148981.9/35

Out: 5.848+/-0.013 χ^2/NDF:1028160.6/38

All: 6.150+/-0.009 χ^2/NDF: 2178226.4/74


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -16.489+/-0.443 χ2/NDF:768.6/20
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -15.596+/-0.451 χ2/NDF:571.2/19
Left: -16.051+/-0.316 χ2/NDF: 1341.8/40
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 0.980+/-0.372 χ2/NDF:5411.1/35
Out: -0.436+/-0.362 χ2/NDF:5868.7/38
All: 0.254+/-0.259 χ2/NDF: 11287.3/74

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 3.060+/-0.324 χ^2/NDF:444.4/20

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 2.667+/-0.334 χ^2/NDF:300.1/19

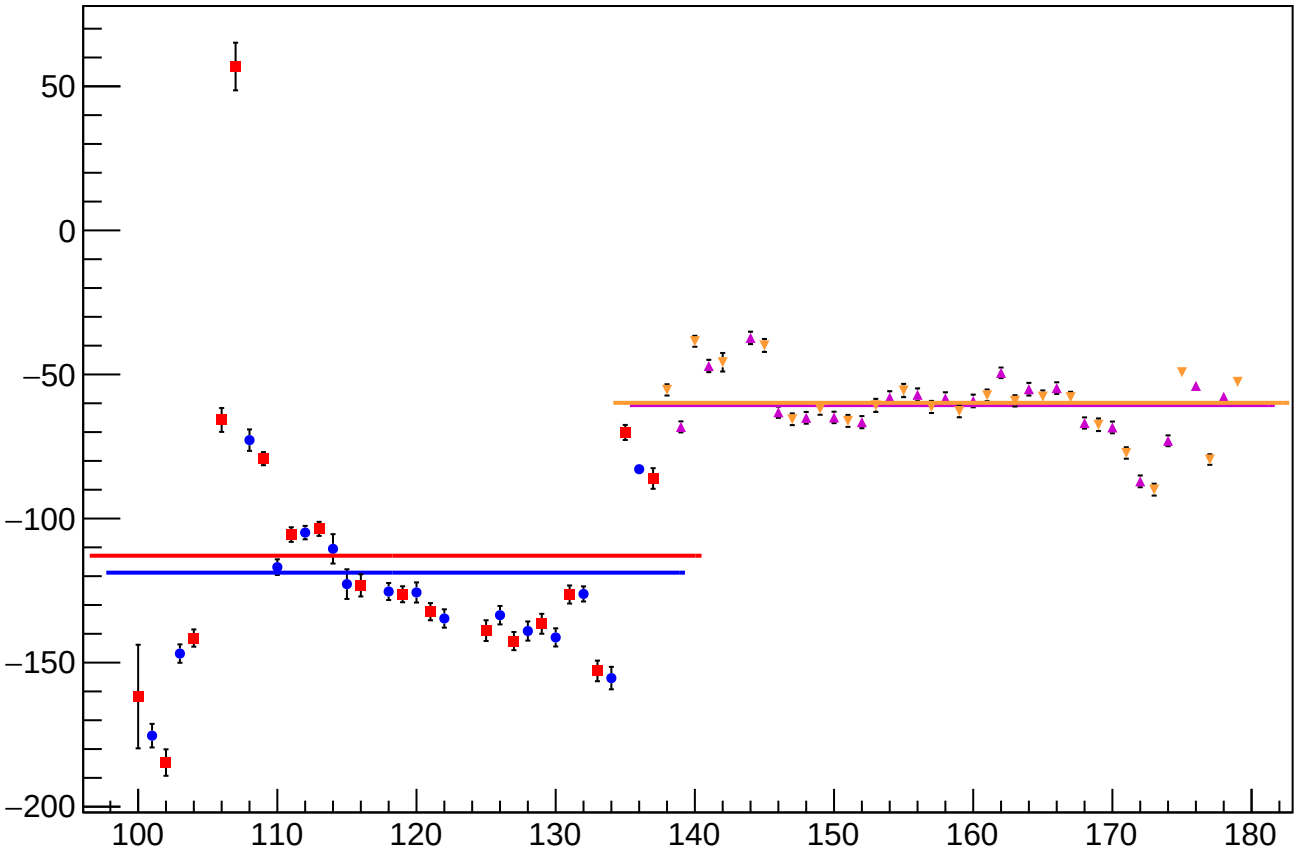
Left: 2.870+/-0.233 χ^2/NDF: 745.3/40

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 2.593+/-0.302 χ^2/NDF:452.4/35

Out: 2.991+/-0.295 χ^2/NDF:551.9/38

All: 2.796+/-0.211 χ^2/NDF: 1005.2/74



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -59.845+/-0.435 χ^2/NDF:749.6/20

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.633+/-0.444 χ^2/NDF:502.6/19

Left: -60.231+/-0.311 χ^2/NDF: 1253.8/40

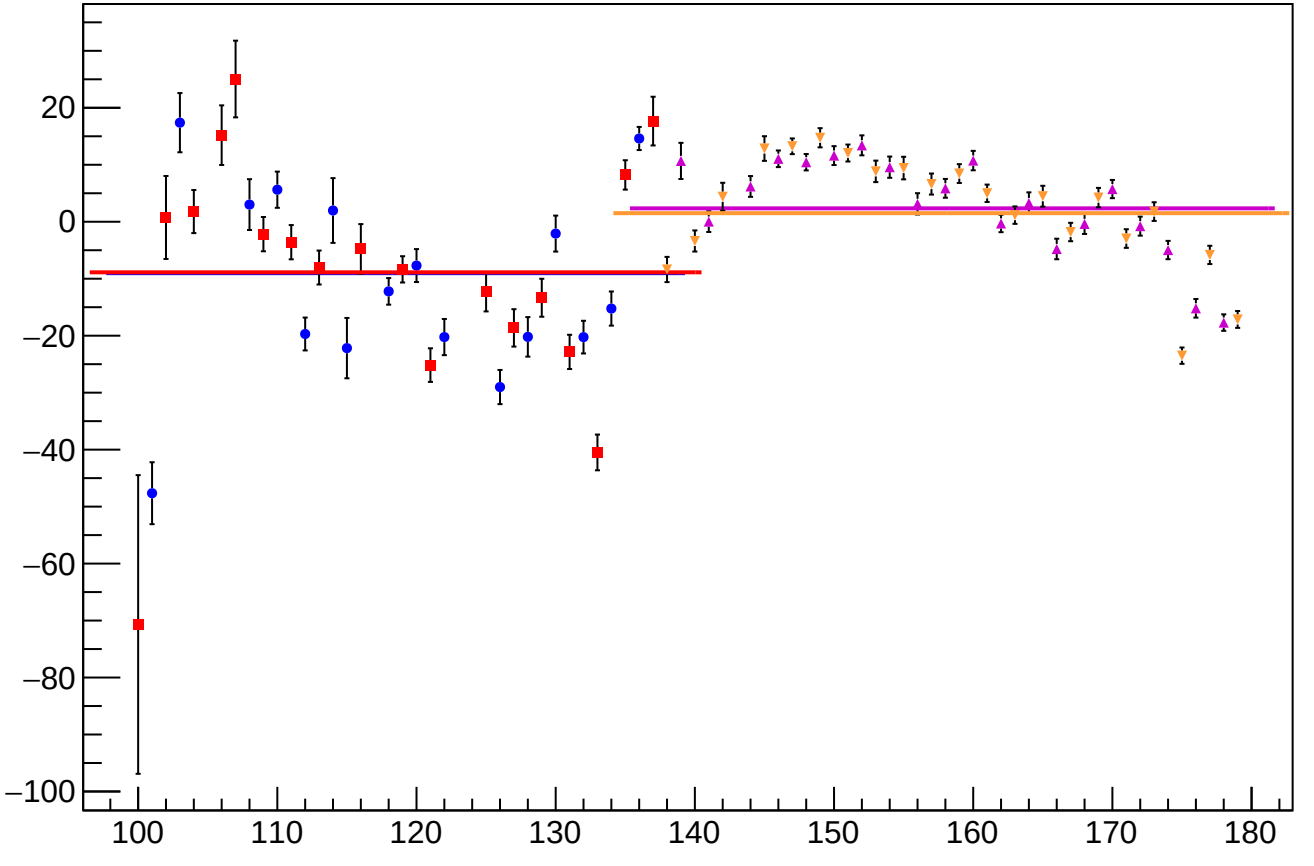
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -75.528+/-0.383 χ^2/NDF:6012.6/35

Out: -72.917+/-0.378 χ^2/NDF:6275.7/38

All: -74.204+/-0.269 χ^2/NDF: 12311.8/74

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 1.505+/-0.369 χ^2/NDF:803.5/20

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 2.350+/-0.379 χ^2/NDF:553.2/19

Left: 1.916+/-0.264 χ^2/NDF: 1359.3/40

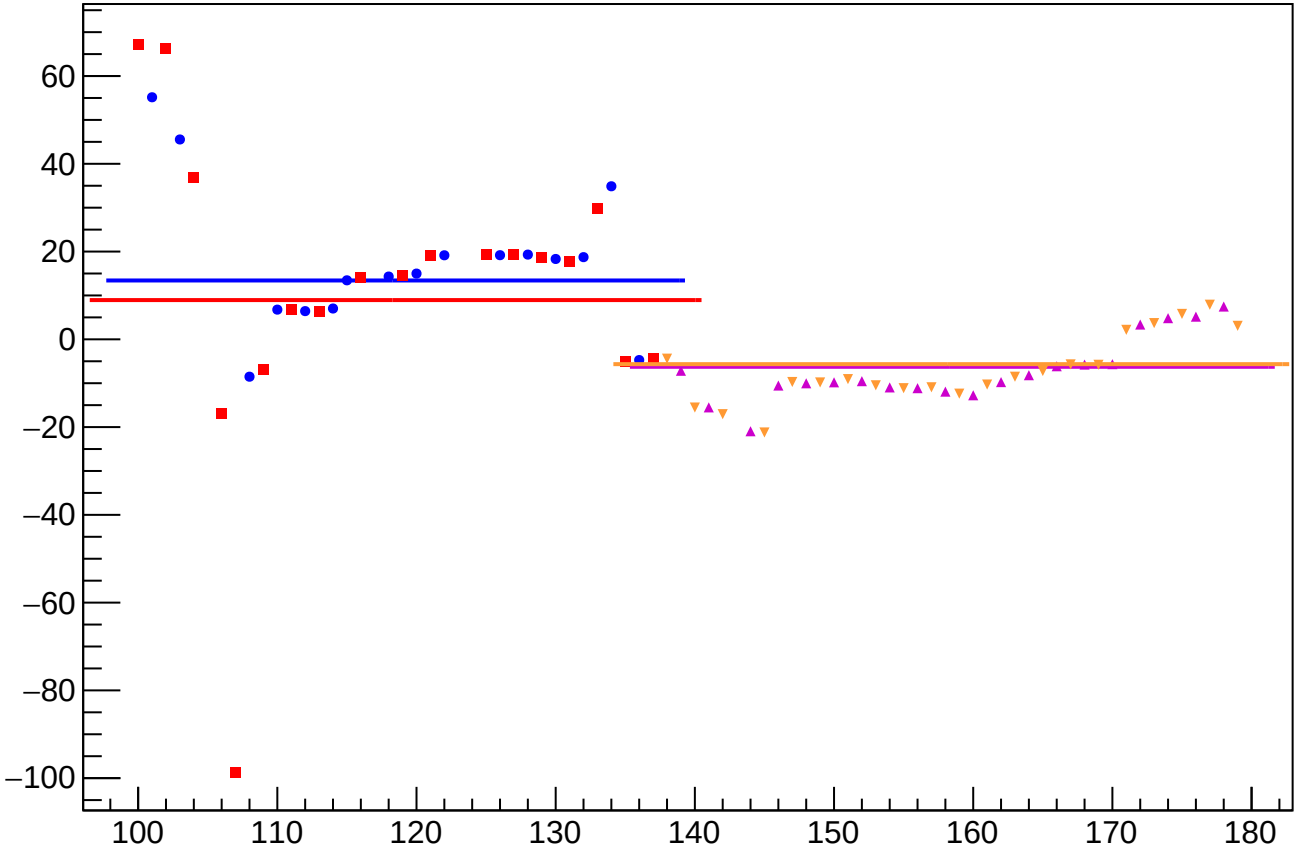
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 0.247+/-0.342 χ^2/NDF:1077.8/35

Out: -0.274+/-0.335 χ^2/NDF:1258.2/38

All: -0.019+/-0.240 χ^2/NDF: 2337.1/74

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -5.658+/-0.017 χ^2/NDF:206792.4/20

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -6.257+/-0.017 χ^2/NDF:182960.6/19

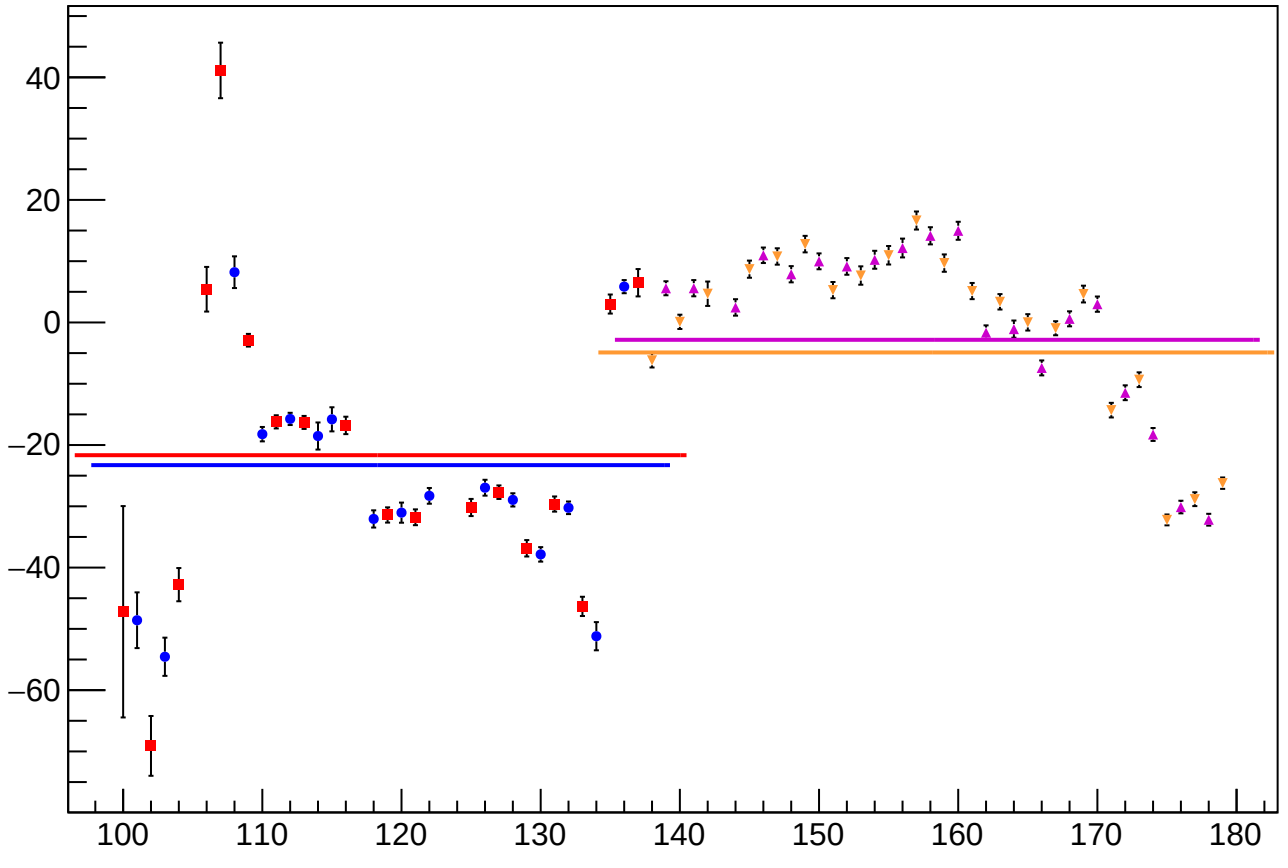
Left: -5.955+/-0.012 χ^2/NDF: 390404.8/40

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -3.907+/-0.016 χ^2/NDF:532801.4/35

Out: -4.073+/-0.016 χ^2/NDF:582504.1/38

All: -3.990+/-0.011 χ^2/NDF: 1115361.8/74



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -4.894+/-0.273 χ^2/NDF:3179.2/20

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -2.829+/-0.279 χ^2/NDF:2875.8/19

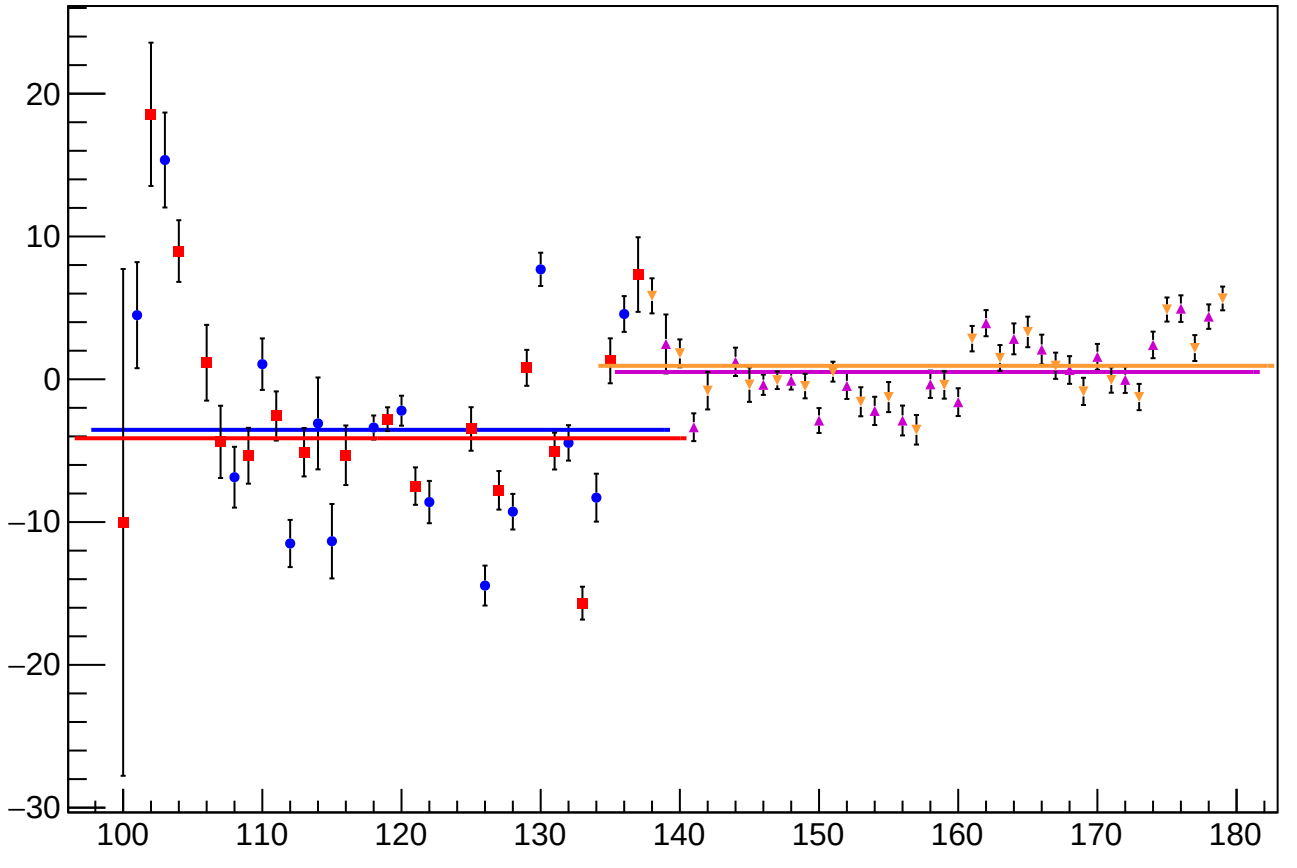
Left: -3.882+/-0.195 χ^2/NDF: 6083.1/40

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -10.750+/-0.218 χ^2/NDF:6531.1/35

Out: -11.297+/-0.215 χ^2/NDF:6432.9/38

All: -11.028+/-0.153 χ^2/NDF: 12967.3/74



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.943+/-0.200 χ^2/NDF:132.6/20

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.510+/-0.206 χ^2/NDF:129.7/19

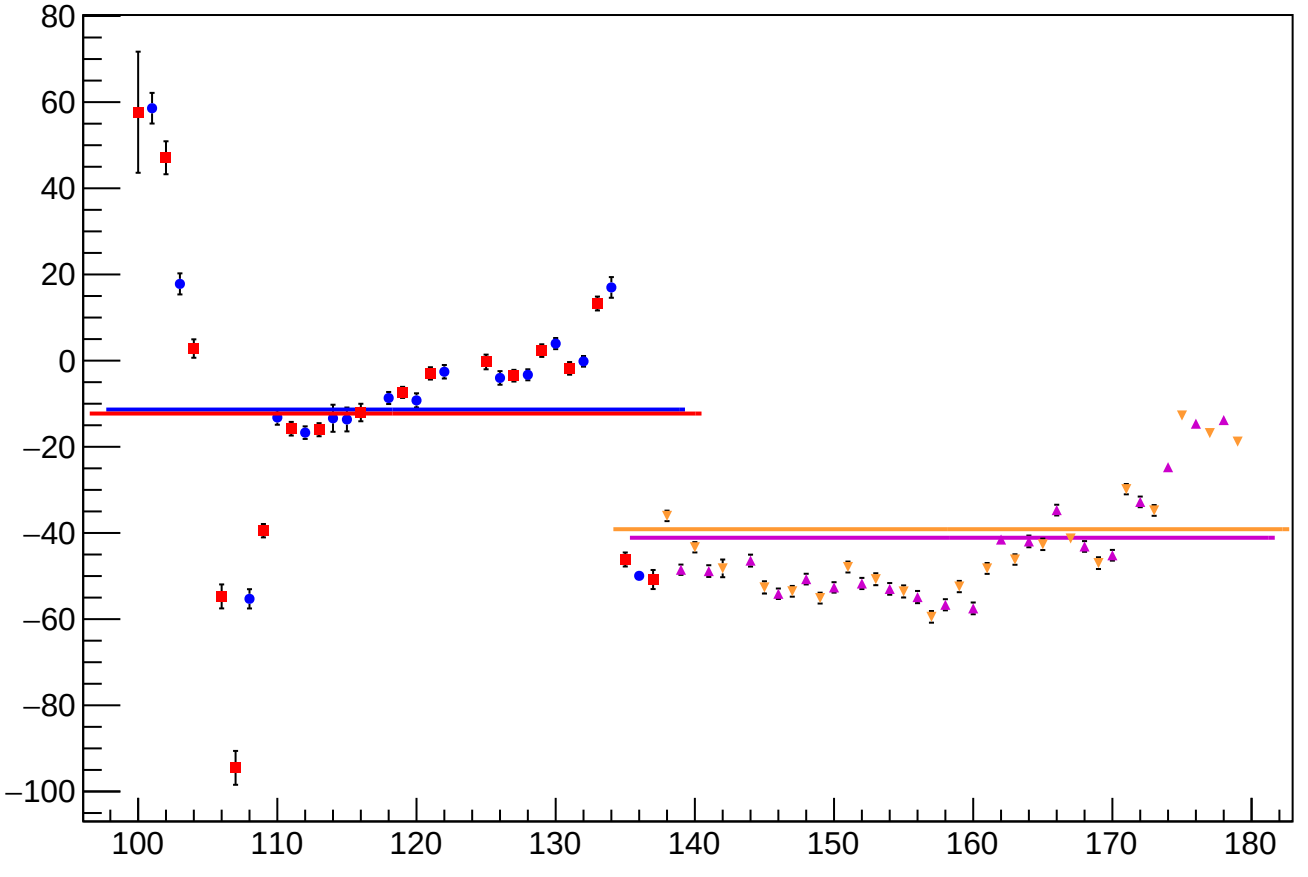
Left: 0.733+/-0.143 χ^2/NDF: 264.6/40

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.479+/-0.179 χ^2/NDF:540.8/35

Out: -0.199+/-0.176 χ^2/NDF:505.4/38

All: -0.336+/-0.126 χ^2/NDF: 1047.4/74



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -39.125+/-0.268 χ^2/NDF:2954.5/20

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -41.110+/-0.274 χ^2/NDF:2662.1/19

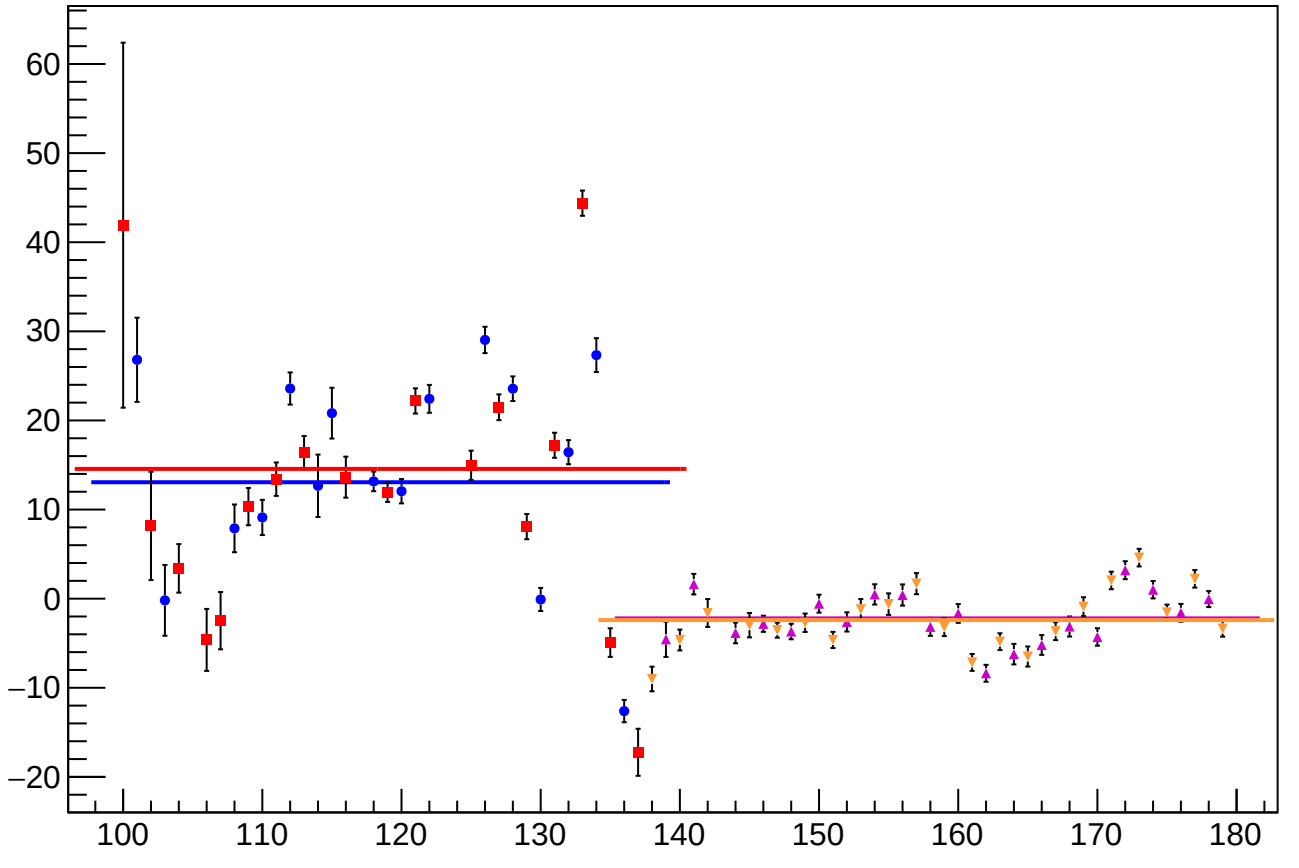
Left: -40.095+/-0.192 χ^2/NDF: 5643.4/40

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -31.771+/-0.227 χ^2/NDF:9014.9/35

Out: -31.160+/-0.225 χ^2/NDF:8514.0/38

All: -31.462+/-0.160 χ^2/NDF: 17532.5/74



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.404+/-0.227 χ^2/NDF:194.0/20

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.212+/-0.234 χ^2/NDF:144.8/19

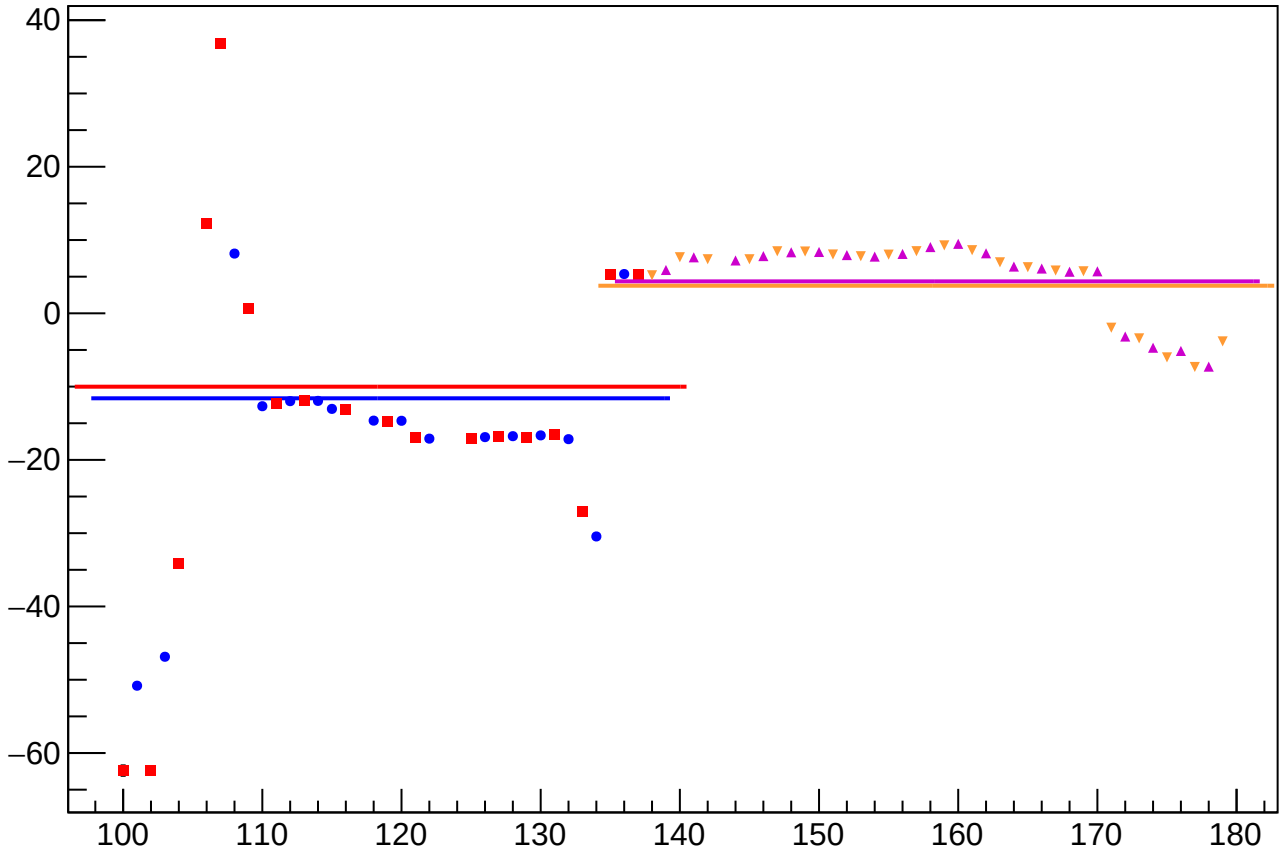
Left: -2.311+/-0.163 χ^2/NDF: 339.2/40

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.473+/-0.204 χ^2/NDF:2038.0/35

Out: 1.397+/-0.200 χ^2/NDF:2348.6/38

All: 1.434+/-0.143 χ^2/NDF: 4386.6/74



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 3.764+/-0.010 χ^2/NDF:314834.6/20

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 4.360+/-0.010 χ^2/NDF:288019.0/19

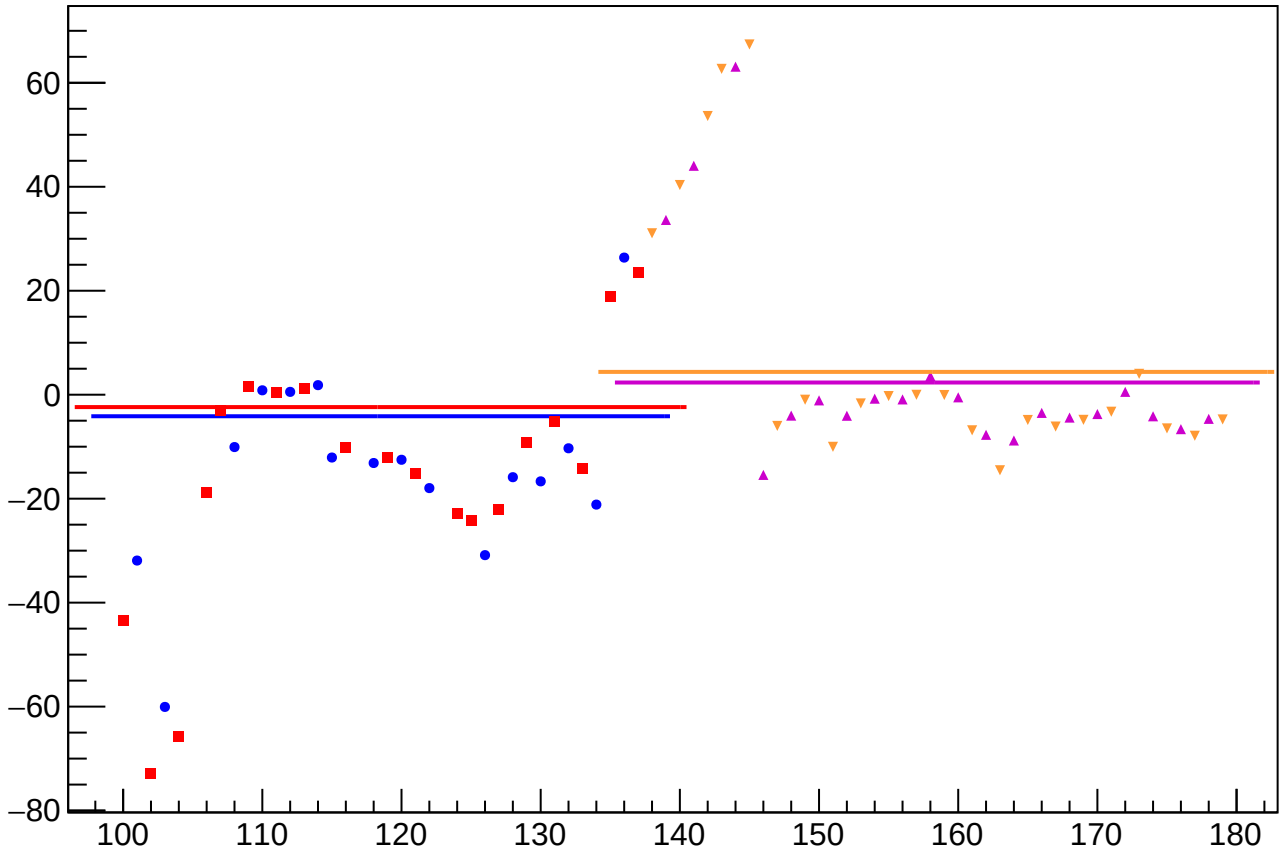
Left: 4.059+/-0.007 χ^2/NDF: 604542.0/40

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 2.239+/-0.010 χ^2/NDF:967437.9/35

Out: 2.092+/-0.010 χ^2/NDF:932494.0/38

All: 2.165+/-0.007 χ^2/NDF: 1900049.1/74



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 4.388+/-0.048 χ^2/NDF:170966.2/21

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 2.345+/-0.046 χ^2/NDF:128467.6/19

Left: 3.309+/-0.033 χ^2/NDF: 300381.6/41

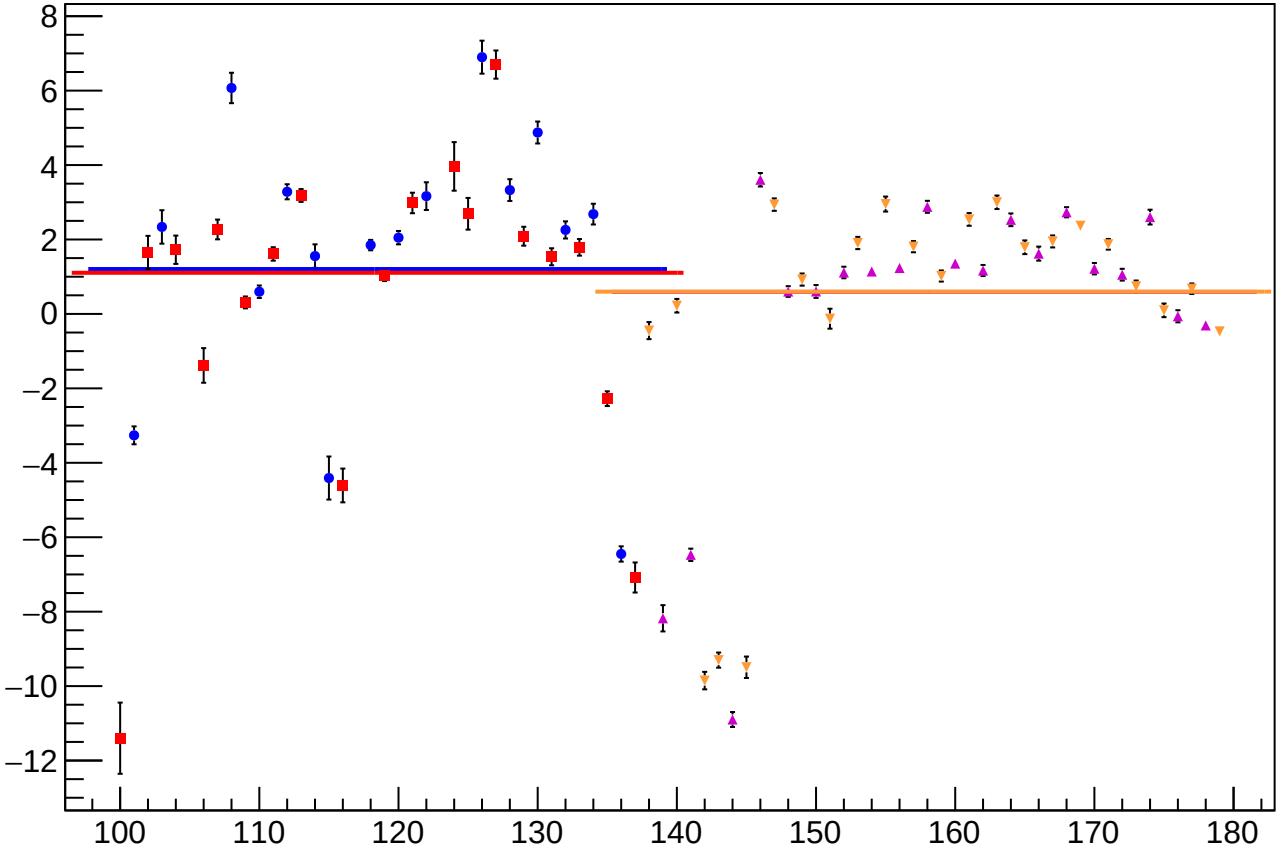
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.317+/-0.035 χ^2/NDF:212040.4/35

Out: 0.854+/-0.033 χ^2/NDF:262006.3/40

All: 0.297+/-0.024 χ^2/NDF: 474632.6/76

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.598+/-0.036 χ^2/NDF:6816.6/21

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.592+/-0.034 χ^2/NDF:6892.3/19

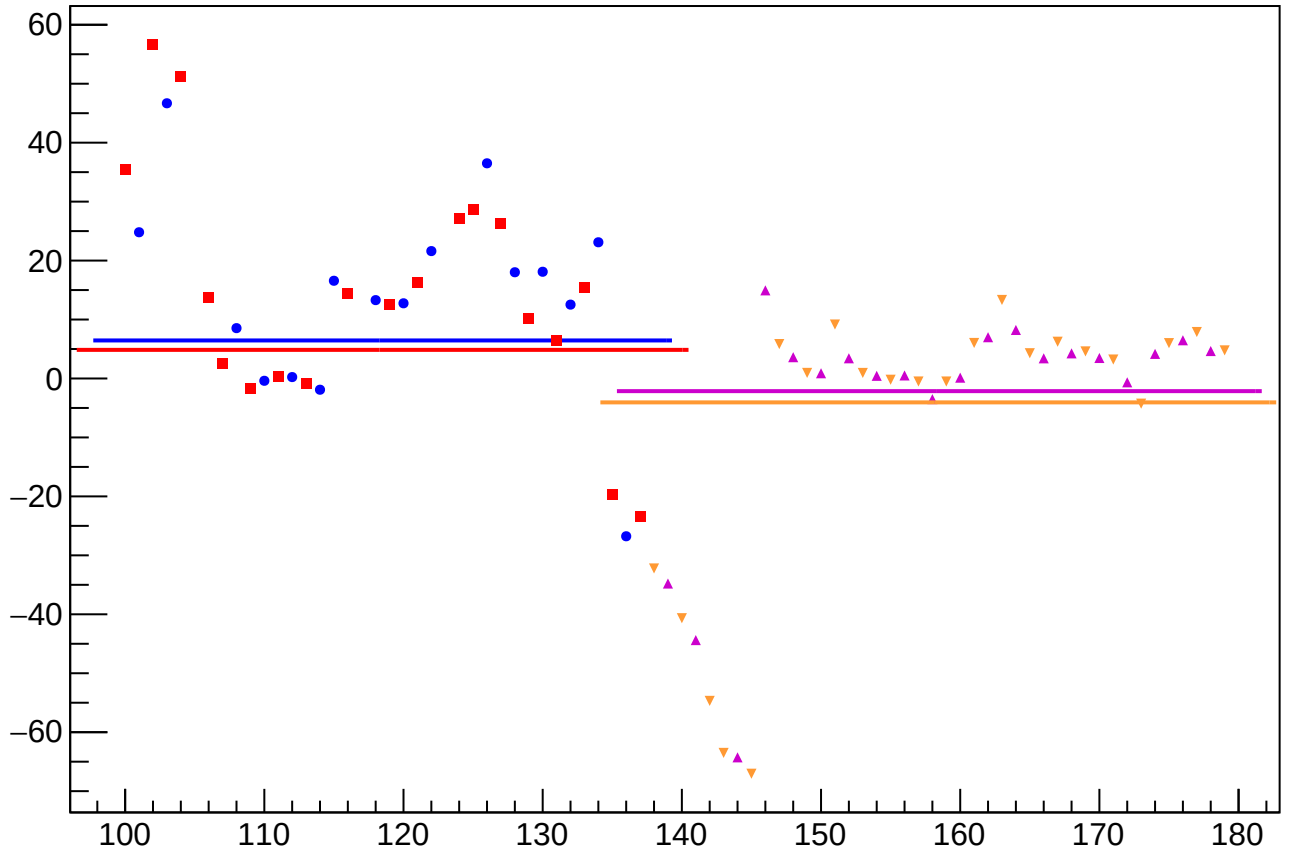
Left: 0.595+/-0.025 χ^2/NDF: 13708.9/41

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.740+/-0.030 χ^2/NDF:9555.2/35

Out: 0.745+/-0.031 χ^2/NDF:8459.7/40

All: 0.742+/-0.021 χ^2/NDF: 18014.9/76



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -4.054+/-0.048 χ^2/NDF:165461.2/21

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -2.147+/-0.044 χ^2/NDF:125431.9/19

Left: -3.038+/-0.032 χ^2/NDF: 291752.2/41

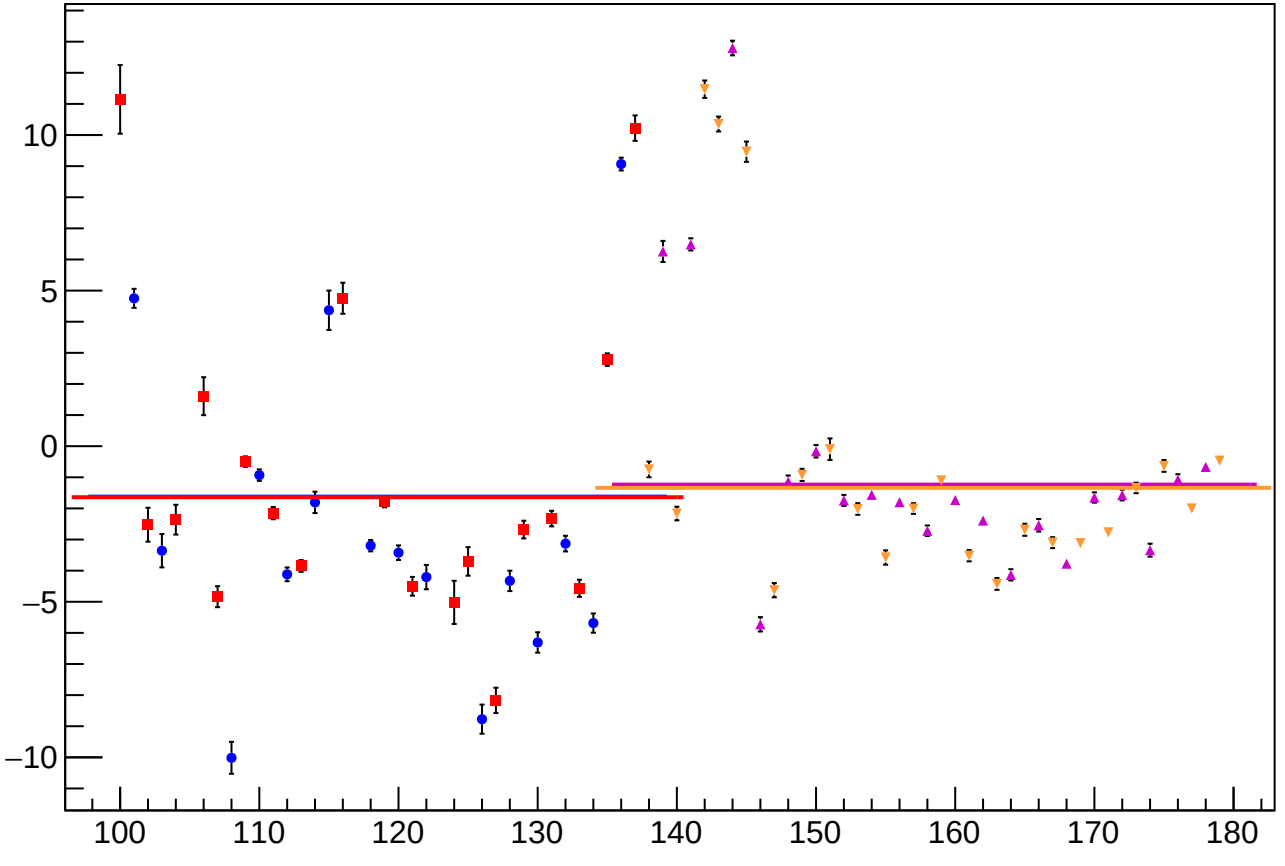
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.585+/-0.037 χ^2/NDF:207969.7/35

Out: -0.562+/-0.037 χ^2/NDF:254514.2/40

All: 0.016+/-0.026 χ^2/NDF: 462966.4/76

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.339+/-0.041 χ^2/NDF:6780.2/21

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.236+/-0.038 χ^2/NDF:6856.5/19

Left: -1.284+/-0.028 χ^2/NDF: 13640.1/41

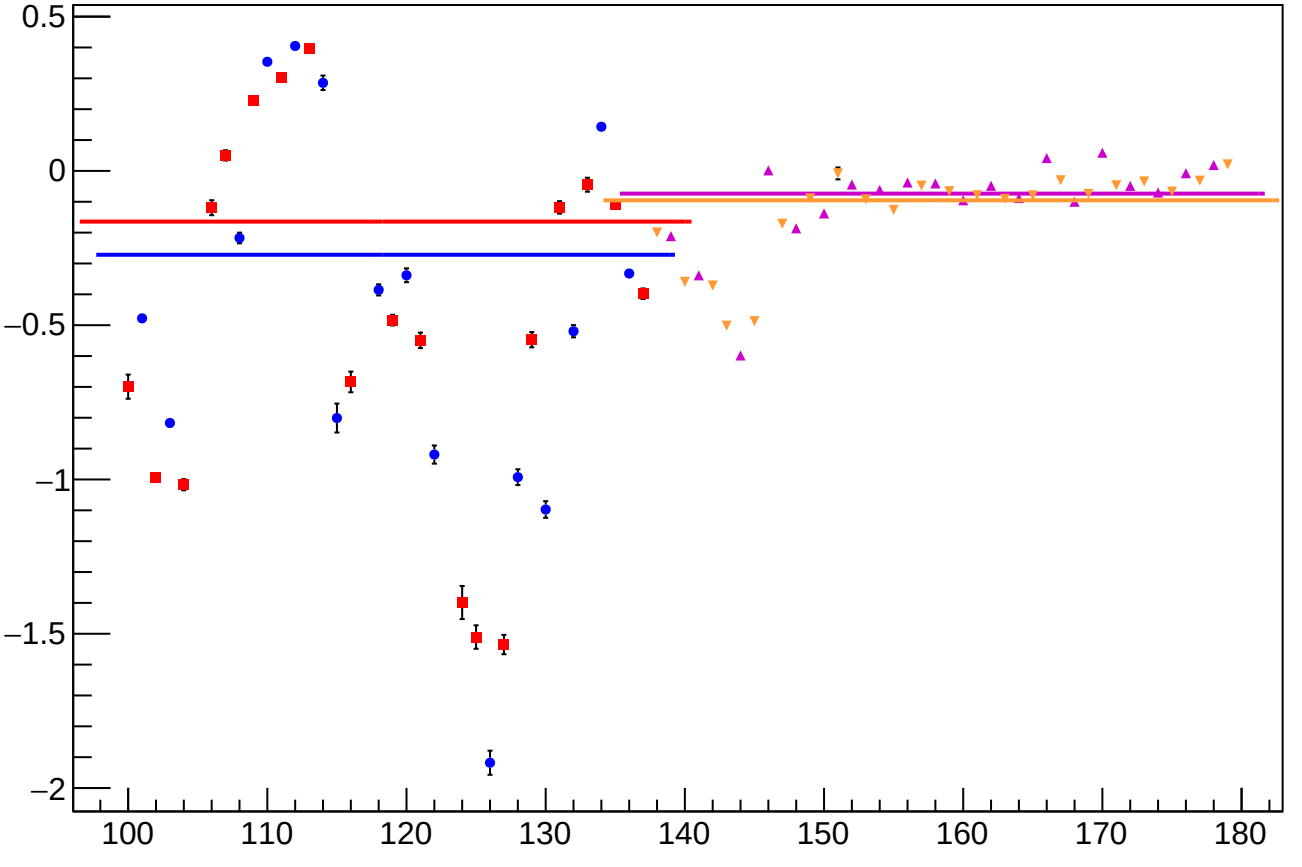
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.325+/-0.033 χ^2/NDF:11405.4/35

Out: -1.425+/-0.034 χ^2/NDF:9257.9/40

All: -1.373+/-0.024 χ^2/NDF: 20667.7/76

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.095+/-0.002 χ^2/NDF:3986.7/21

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.074+/-0.002 χ^2/NDF:4011.9/19

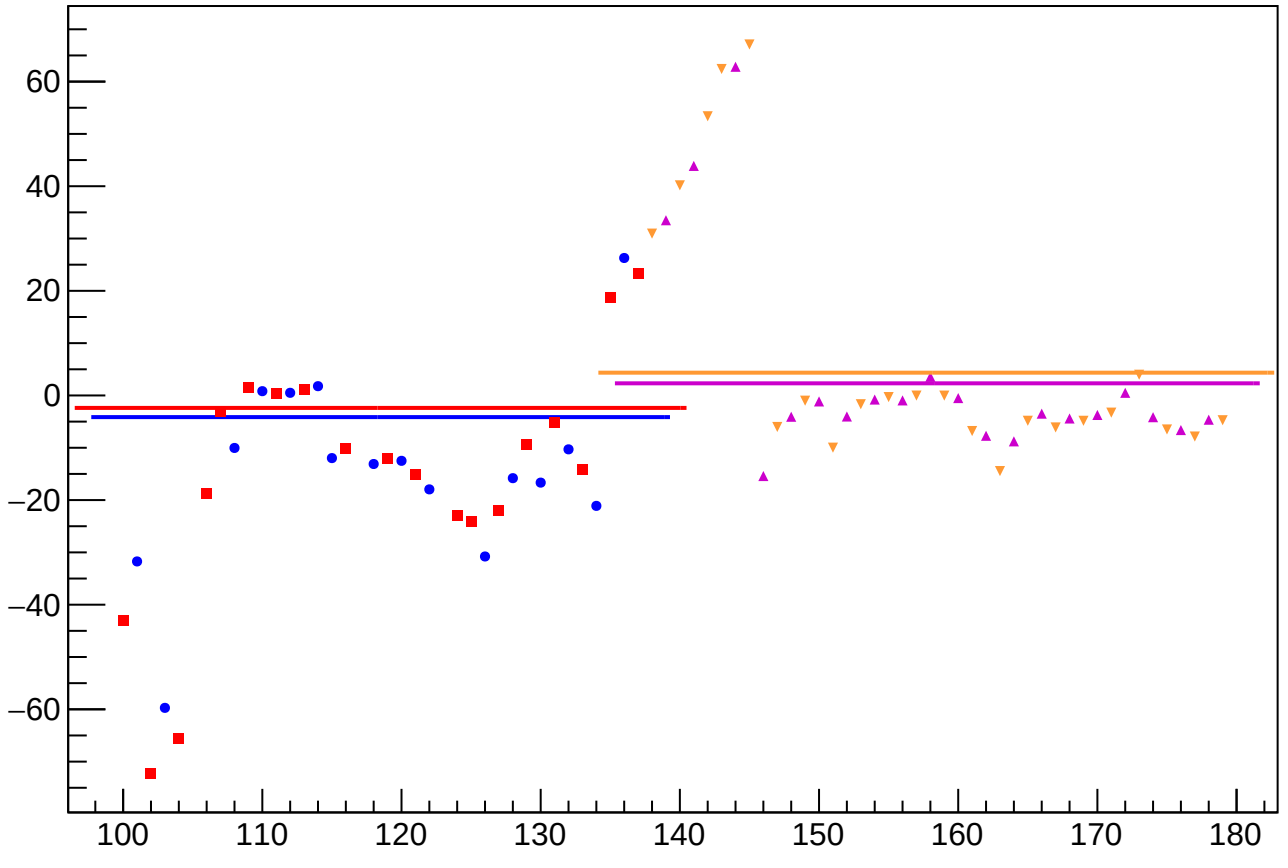
Left: -0.083+/-0.001 χ^2/NDF: 8080.3/41

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.100+/-0.002 χ^2/NDF:18035.6/35

Out: -0.108+/-0.002 χ^2/NDF:19754.3/40

All: -0.103+/-0.001 χ^2/NDF: 37803.3/76



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 4.356+/-0.048 χ^2/NDF:170729.3/21

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 2.319+/-0.045 χ^2/NDF:128350.9/19

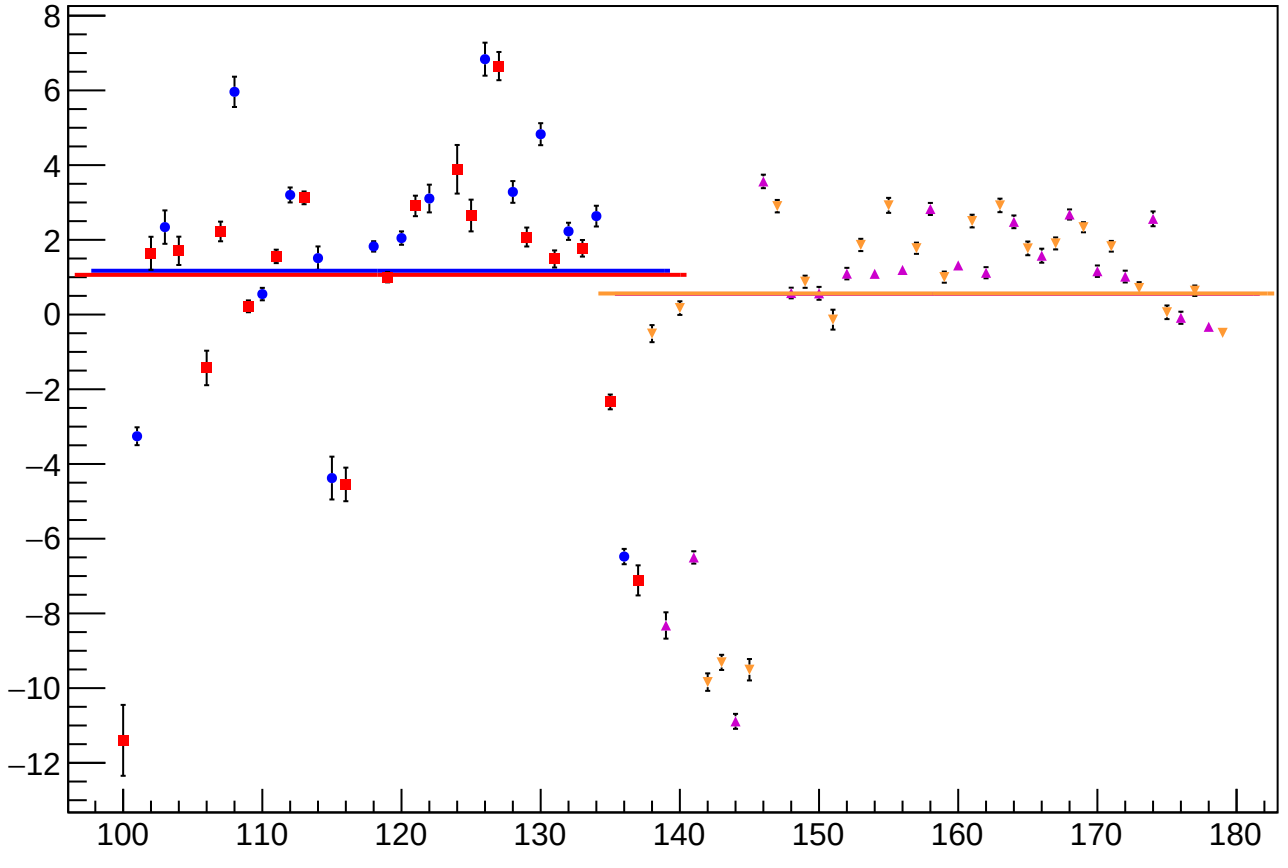
Left: 3.281+/-0.033 χ^2/NDF: 300028.1/41

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.339+/-0.035 χ^2/NDF:211899.3/35

Out: 0.830+/-0.033 χ^2/NDF:261686.3/40

All: 0.274+/-0.024 χ^2/NDF: 474175.7/76



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.564+/-0.036 χ^2/NDF:6819.4/21

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.552+/-0.034 χ^2/NDF:6905.9/19

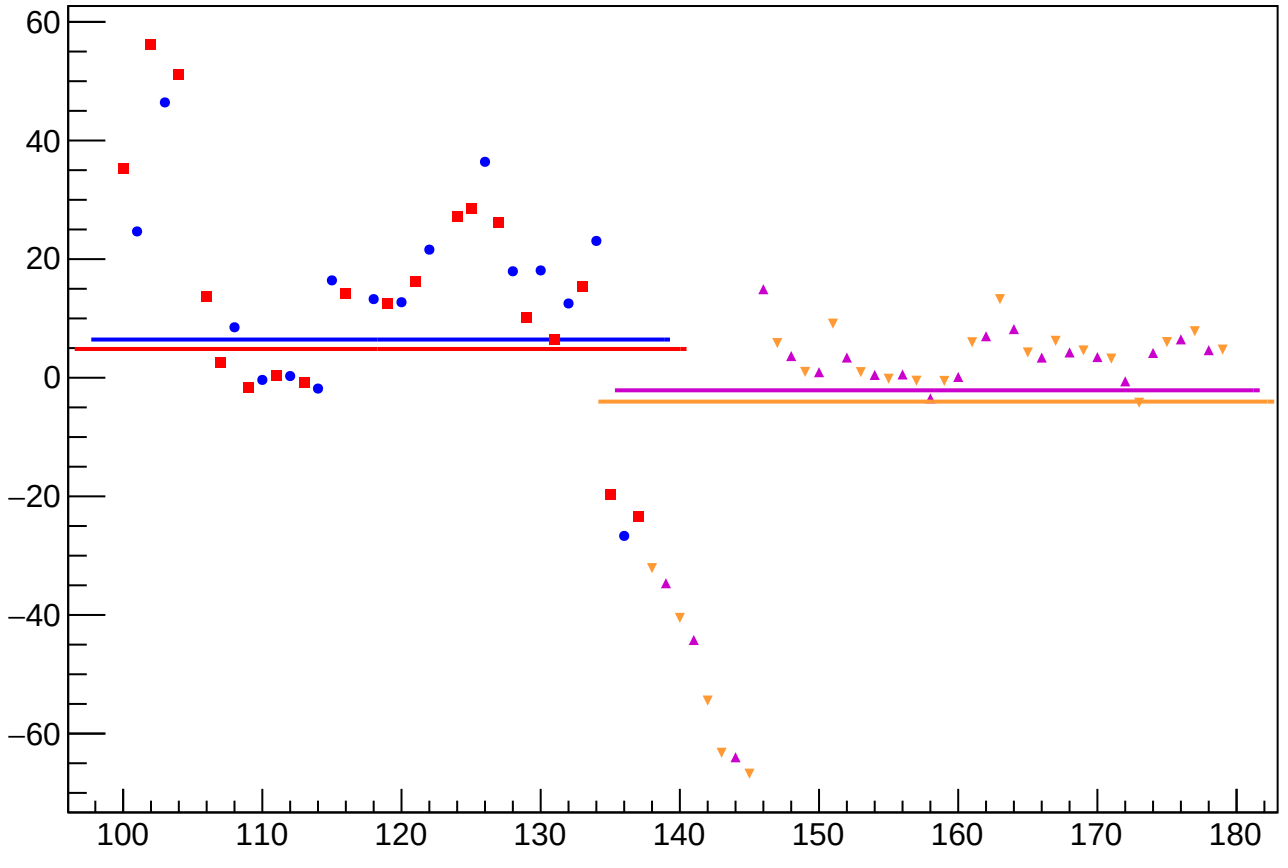
Left: 0.558+/-0.025 χ^2/NDF: 13725.4/41

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.702+/-0.030 χ^2/NDF:9571.1/35

Out: 0.708+/-0.031 χ^2/NDF:8470.6/40

All: 0.705+/-0.021 χ^2/NDF: 18041.7/76



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -4.023+/-0.047 χ^2/NDF:165230.0/21

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -2.121+/-0.044 χ^2/NDF:125313.4/19

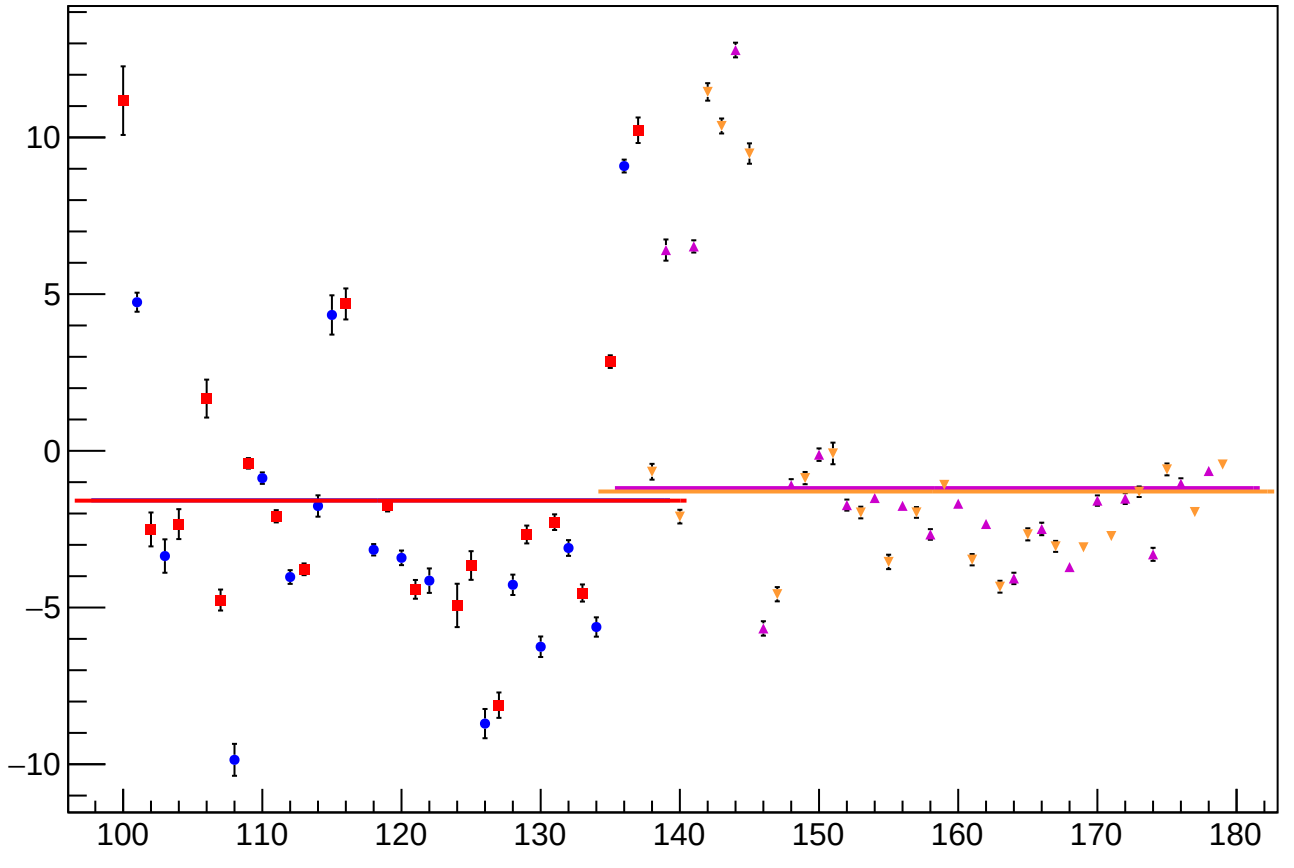
Left: -3.010+/-0.032 χ^2/NDF: 291402.8/41

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.609+/-0.037 χ^2/NDF:207820.2/35

Out: -0.536+/-0.037 χ^2/NDF:254194.7/40

All: 0.041+/-0.026 χ^2/NDF: 462499.7/76



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.298+/-0.041 χ^2/NDF:6777.9/21

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.189+/-0.038 χ^2/NDF:6869.6/19

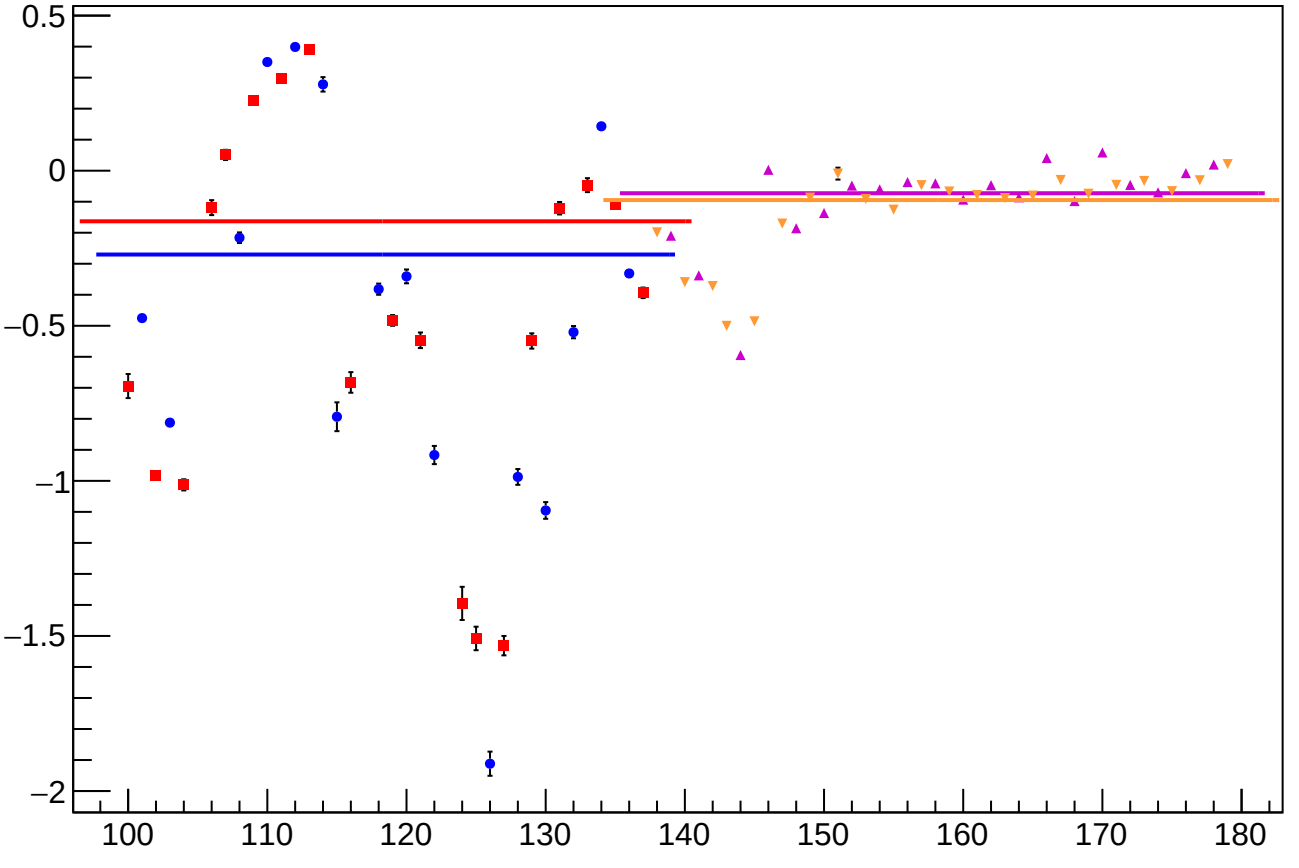
Left: -1.240+/-0.028 χ^2/NDF: 13651.3/41

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.279+/-0.033 χ^2/NDF:11418.4/35

Out: -1.381+/-0.034 χ^2/NDF:9264.8/40

All: -1.329+/-0.024 χ^2/NDF: 20687.7/76



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.095+/-0.002 χ^2/NDF:4005.6/21

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.073+/-0.002 χ^2/NDF:3992.8/19

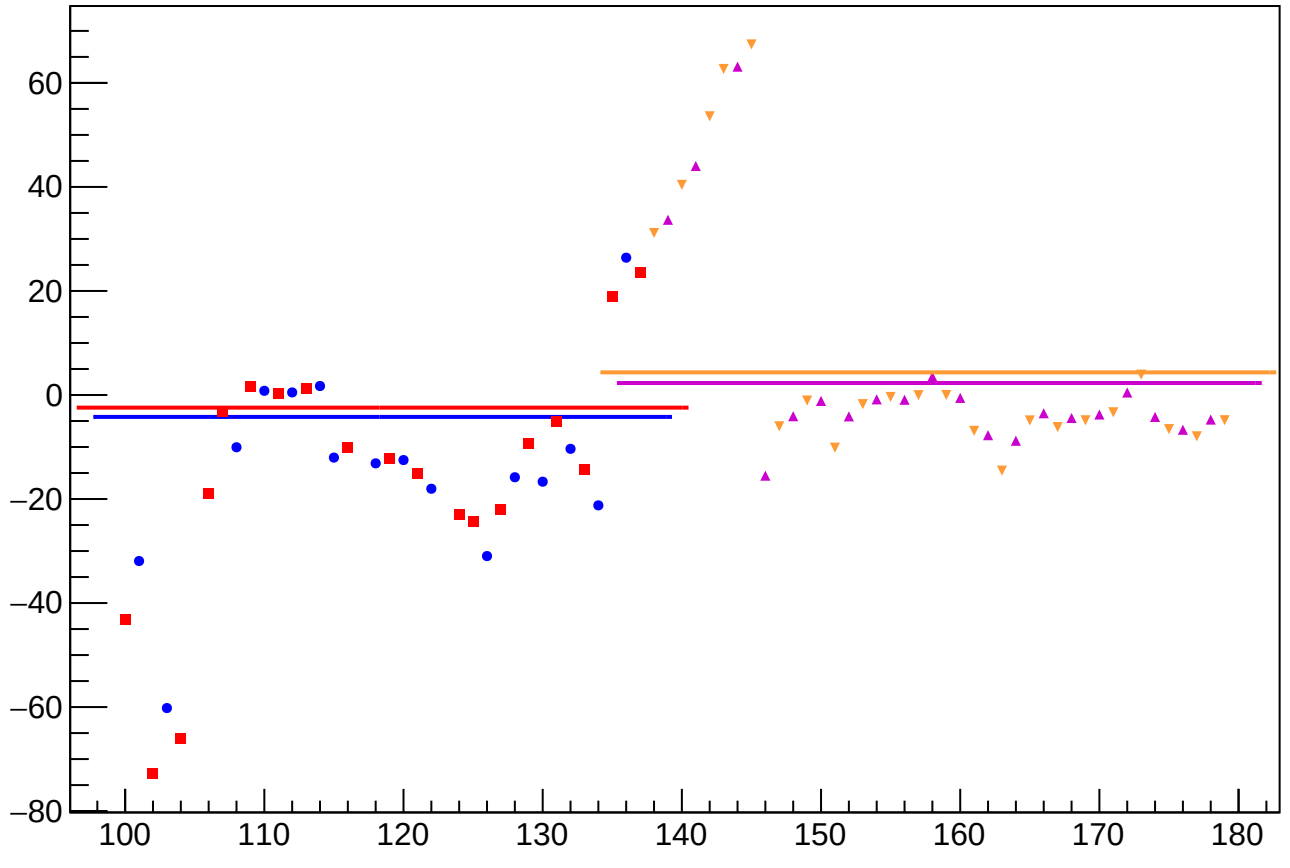
Left: -0.083+/-0.001 χ^2/NDF: 8082.8/41

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.099+/-0.002 χ^2/NDF:18013.0/35

Out: -0.107+/-0.002 χ^2/NDF:19784.4/40

All: -0.103+/-0.001 χ^2/NDF: 37811.5/76



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 4.349+/-0.048 χ^2/NDF:171150.3/21

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 2.305+/-0.046 χ^2/NDF:128507.3/19

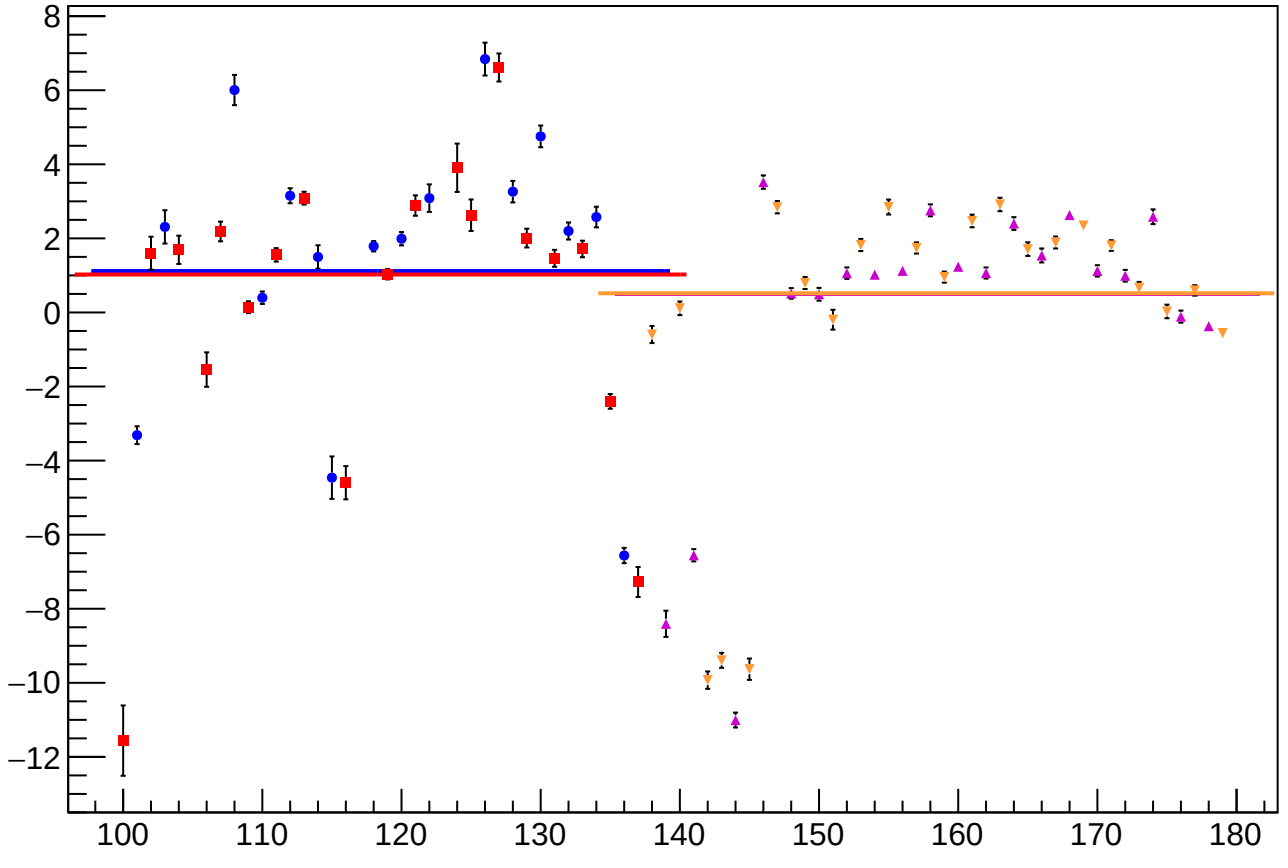
Left: 3.270+/-0.033 χ^2/NDF: 300604.0/41

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.370+/-0.035 χ^2/NDF:212095.7/35

Out: 0.811+/-0.033 χ^2/NDF:262164.5/40

All: 0.249+/-0.024 χ^2/NDF: 474856.2/76



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.518+/-0.036 χ^2/NDF:6843.0/21

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.498+/-0.034 χ^2/NDF:6888.9/19

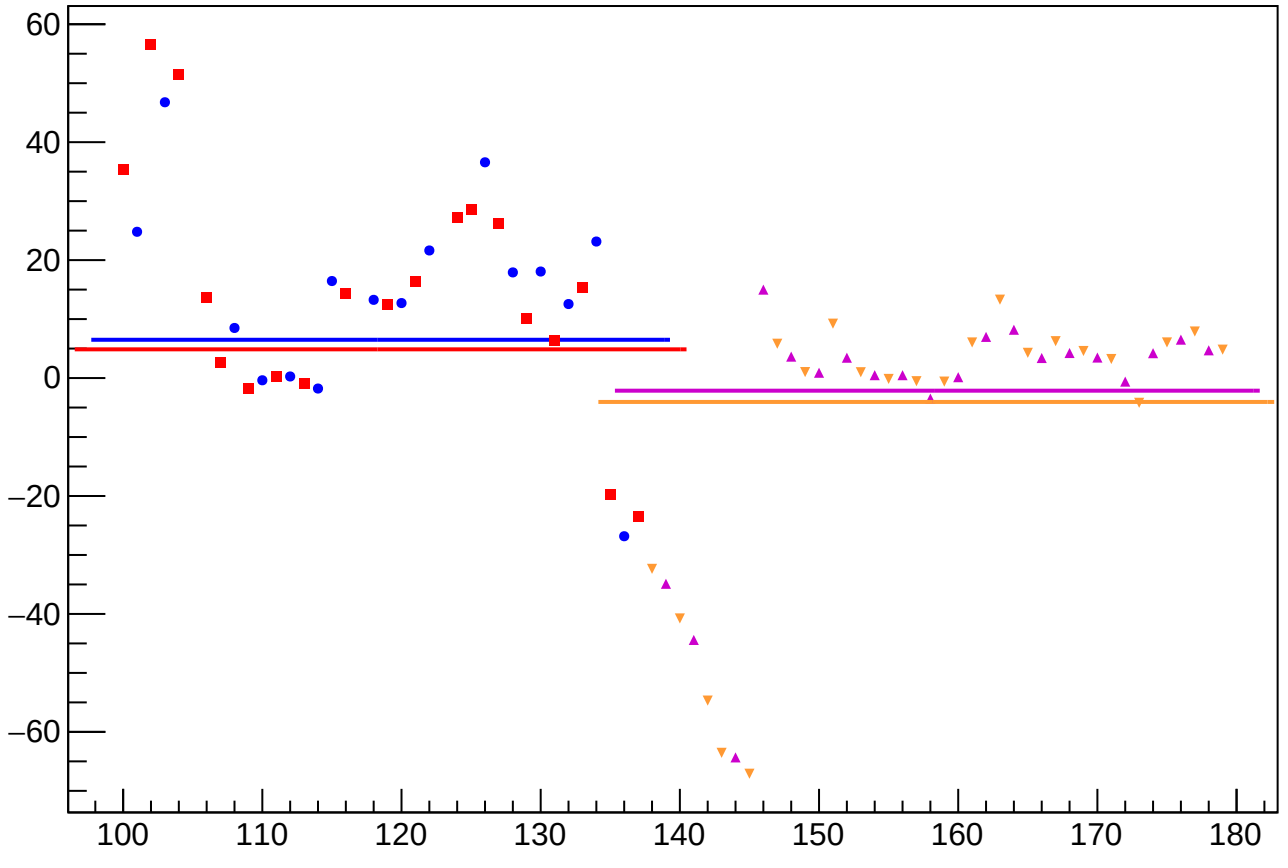
Left: 0.507+/-0.025 χ^2/NDF: 13732.1/41

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.647+/-0.030 χ^2/NDF:9560.6/35

Out: 0.664+/-0.031 χ^2/NDF:8510.7/40

All: 0.656+/-0.021 χ^2/NDF: 18071.4/76



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -4.050+/-0.048 χ^2/NDF:165645.1/21

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -2.141+/-0.045 χ^2/NDF:125483.2/19

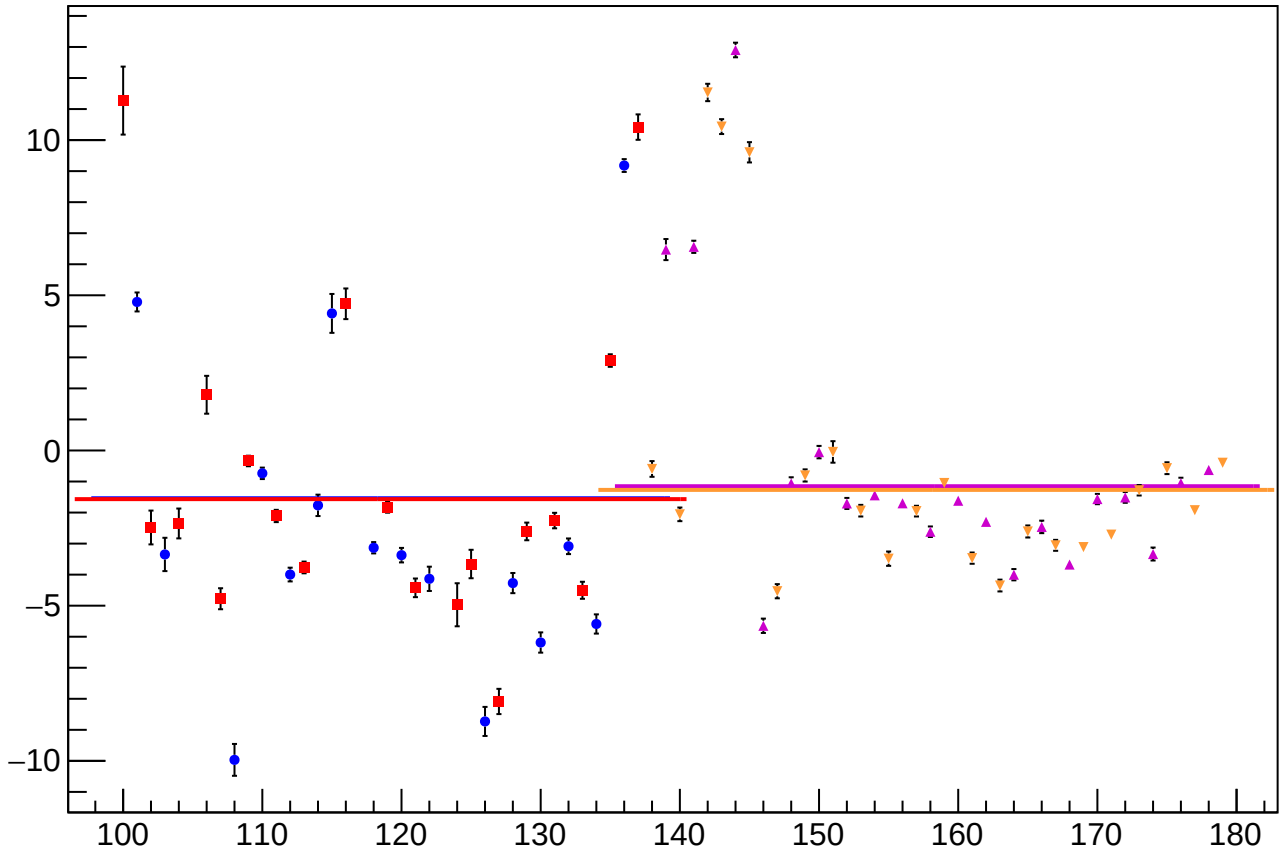
Left: -3.033+/-0.033 χ^2/NDF: 291986.4/41

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.604+/-0.037 χ^2/NDF:208056.6/35

Out: -0.552+/-0.037 χ^2/NDF:254706.6/40

All: 0.031+/-0.026 χ^2/NDF: 463252.9/76



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.270+/-0.041 χ^2/NDF:6803.1/21

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.151+/-0.038 χ^2/NDF:6858.5/19

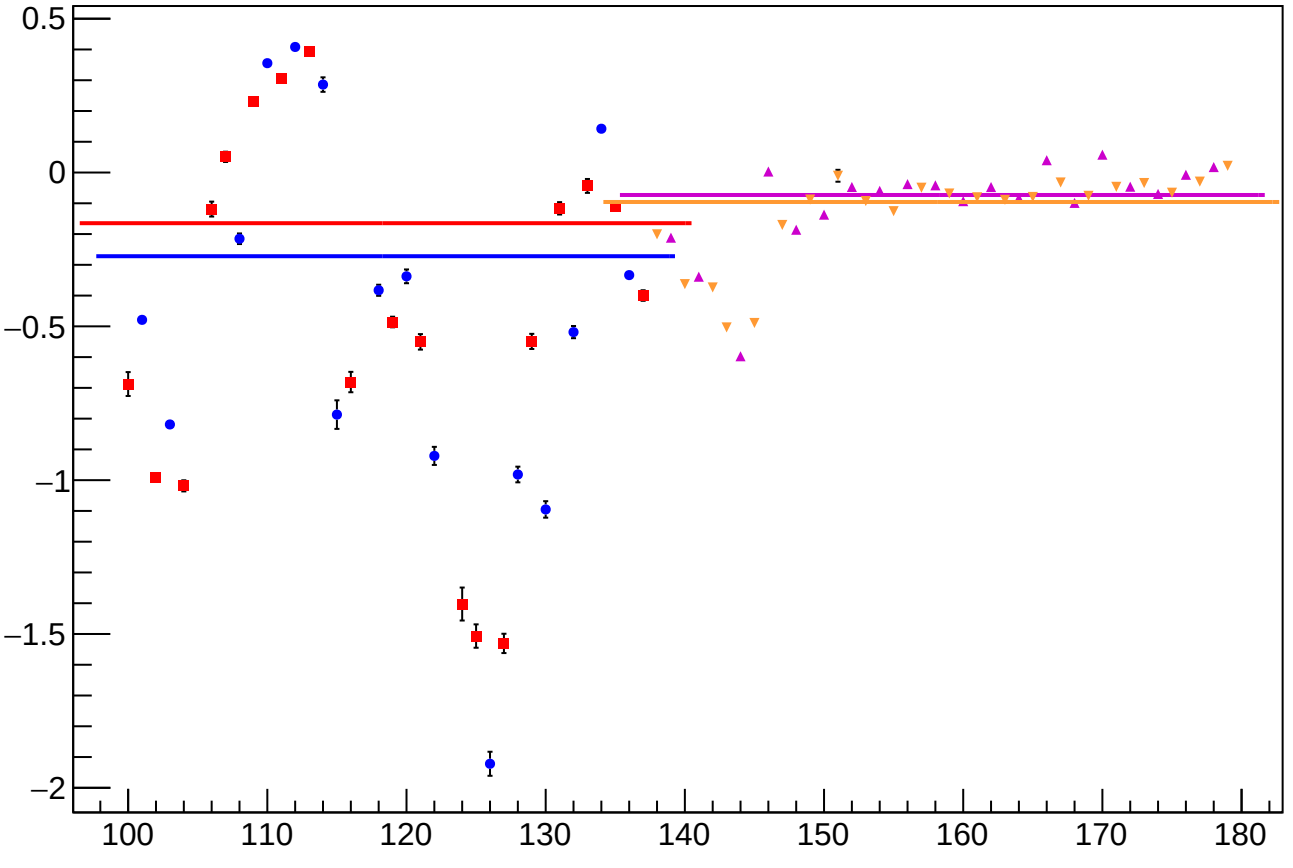
Left: -1.207+/-0.028 χ^2/NDF: 13666.1/41

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.241+/-0.033 χ^2/NDF:11418.4/35

Out: -1.355+/-0.034 χ^2/NDF:9315.2/40

All: -1.296+/-0.024 χ^2/NDF: 20739.3/76



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.096+/-0.002 χ^2/NDF:4020.6/21

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.073+/-0.002 χ^2/NDF:3980.7/19

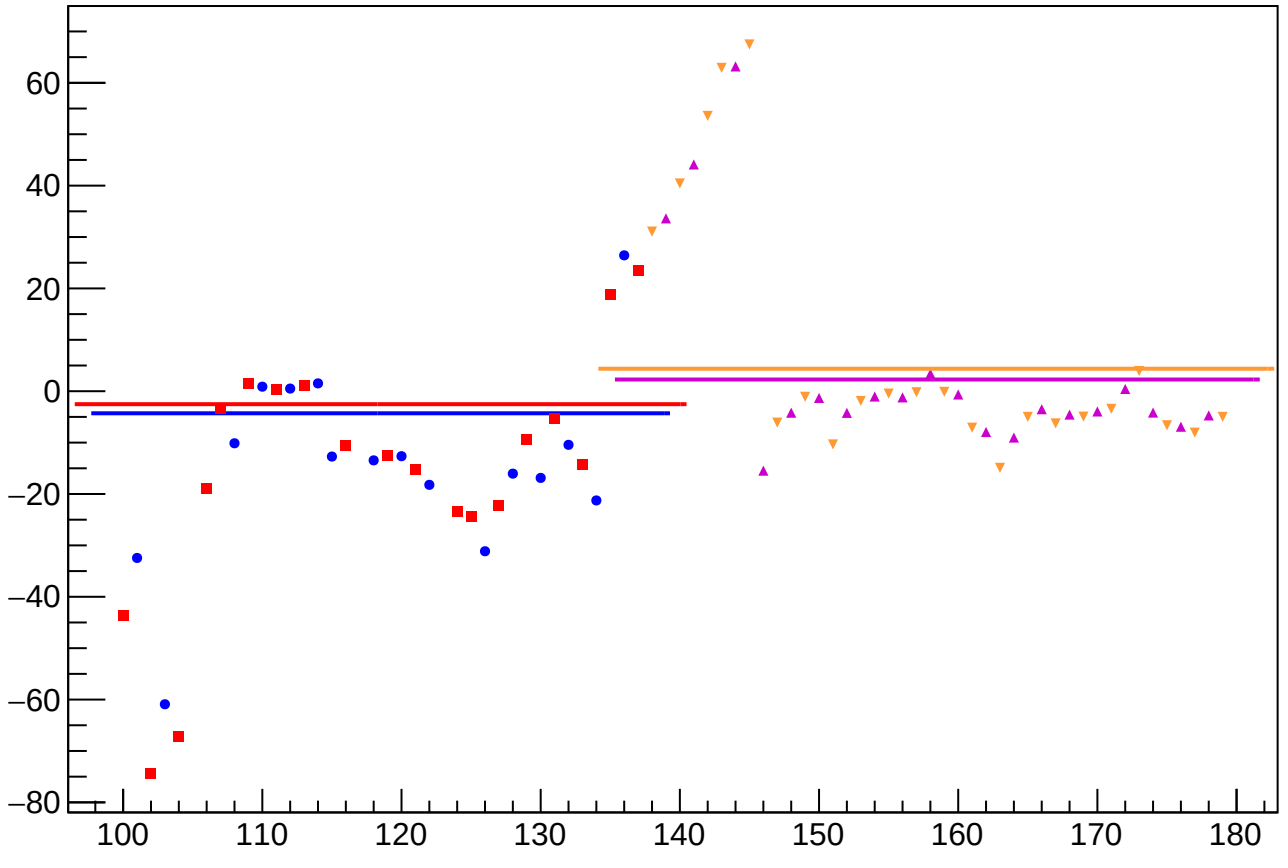
Left: -0.083+/-0.001 χ^2/NDF: 8090.5/41

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.099+/-0.002 χ^2/NDF:18034.7/35

Out: -0.108+/-0.002 χ^2/NDF:19780.7/40

All: -0.103+/-0.001 χ^2/NDF: 37831.7/76



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 4.376+/-0.049 χ^2/NDF:168758.5/21

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 2.277+/-0.047 χ^2/NDF:126491.2/19

Left: 3.270+/-0.034 χ^2/NDF: 296213.9/41

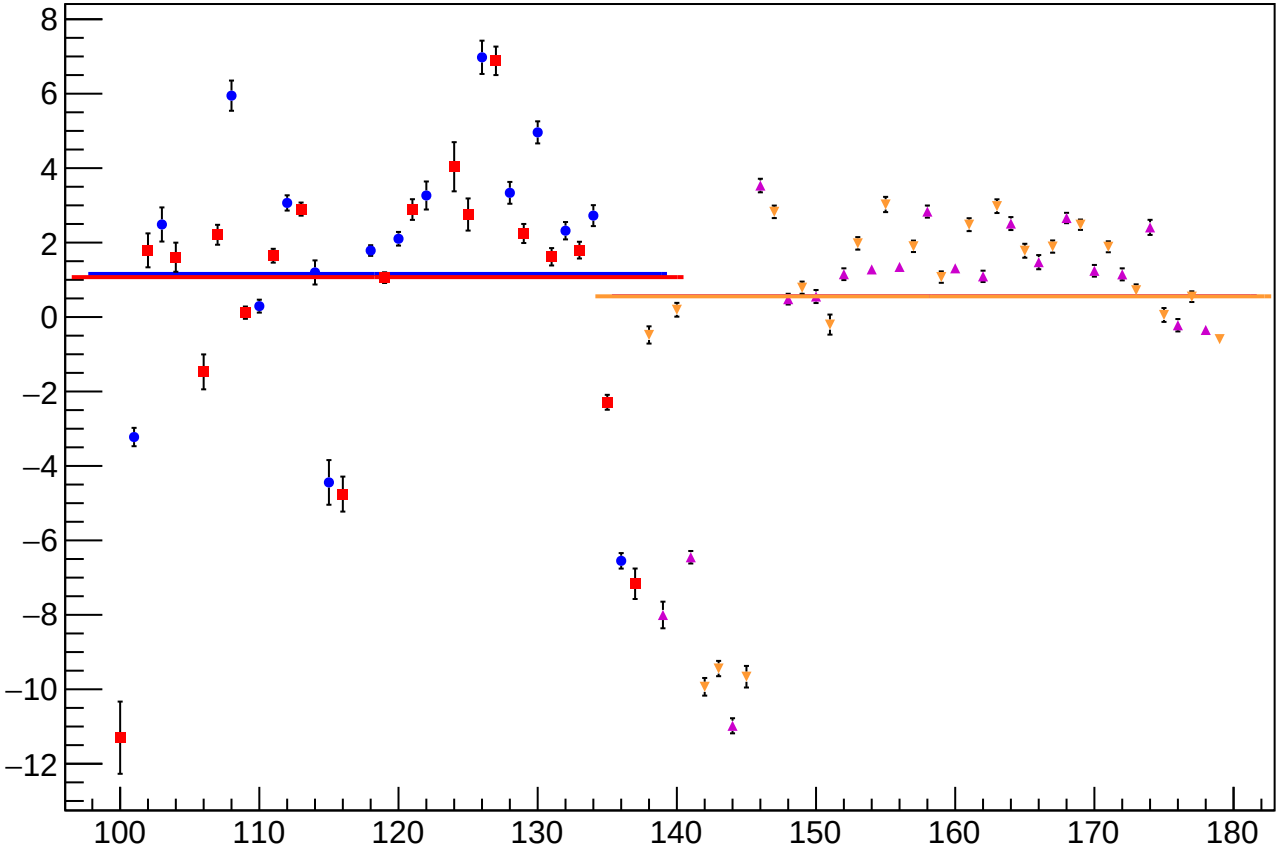
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.421+/-0.036 χ^2/NDF:208908.1/35

Out: 0.796+/-0.034 χ^2/NDF:258912.2/40

All: 0.217+/-0.025 χ^2/NDF: 468428.5/76

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.557+/-0.037 χ^2/NDF:6833.7/21

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.565+/-0.035 χ^2/NDF:6718.8/19

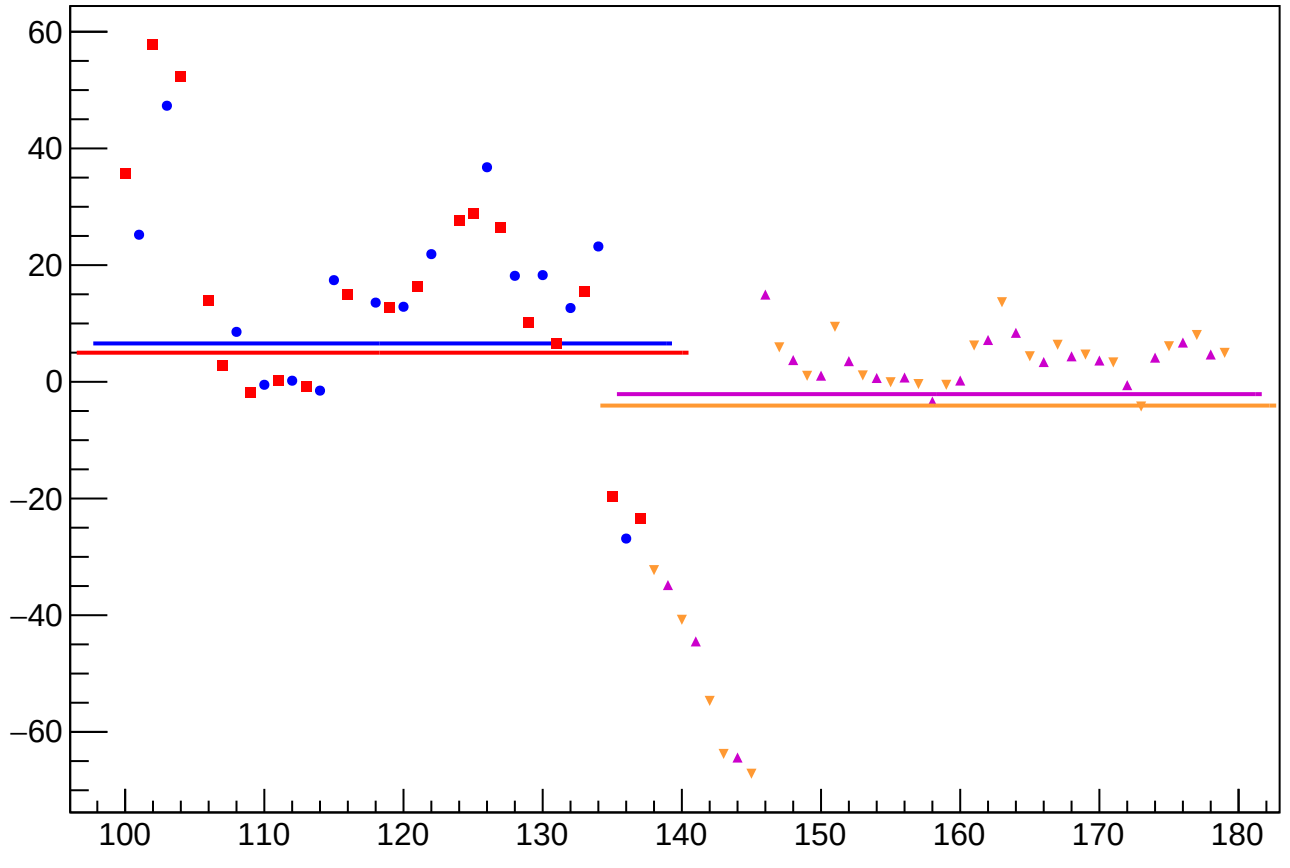
Left: 0.561+/-0.025 χ^2/NDF: 13552.5/41

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.708+/-0.030 χ^2/NDF:9339.2/35

Out: 0.705+/-0.031 χ^2/NDF:8440.8/40

All: 0.706+/-0.022 χ^2/NDF: 17779.9/76



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -4.070+/-0.048 χ^2/NDF:163333.8/21

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -2.110+/-0.045 χ^2/NDF:123490.9/19

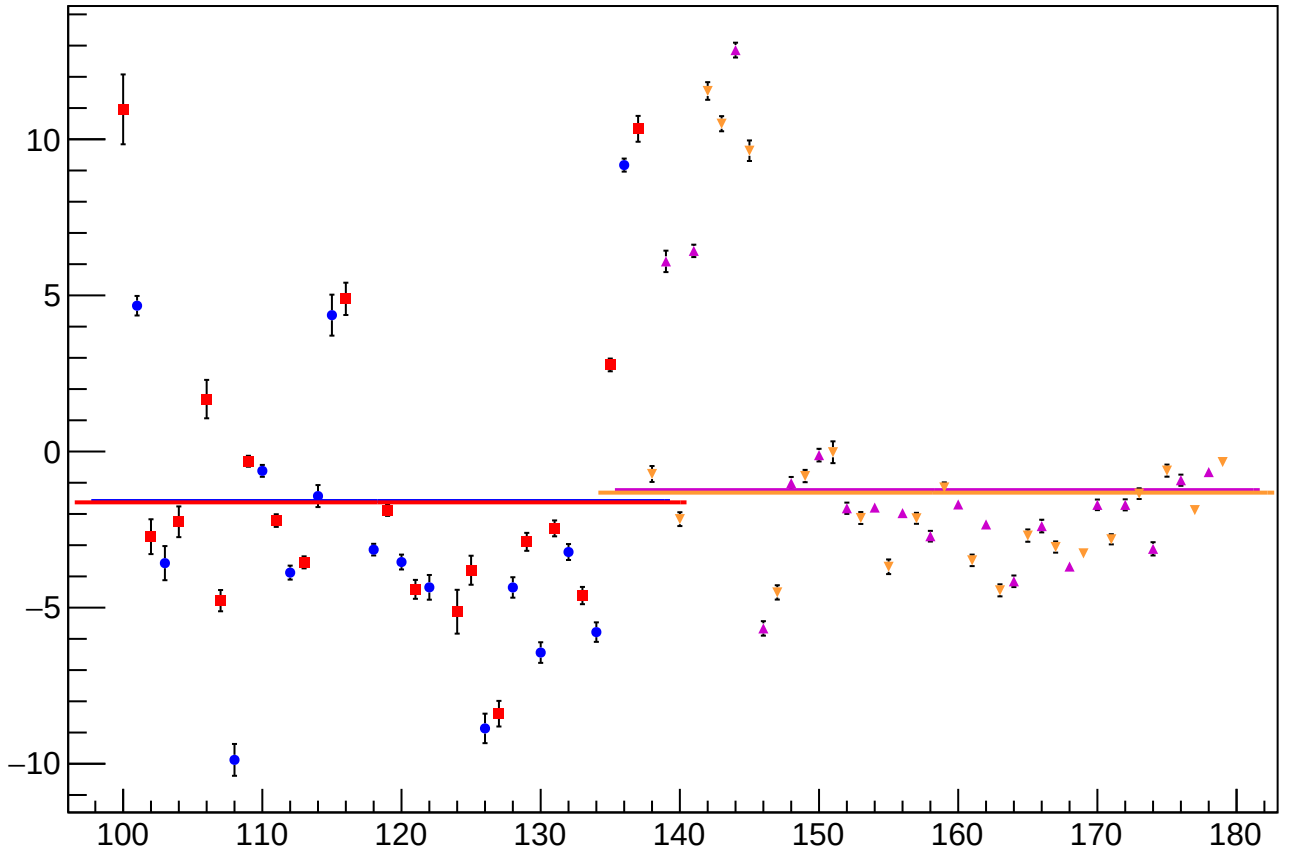
Left: -3.029+/-0.033 χ^2/NDF: 287698.9/41

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.658+/-0.037 χ^2/NDF:204889.1/35

Out: -0.535+/-0.038 χ^2/NDF:251514.4/40

All: 0.066+/-0.027 χ^2/NDF: 456906.3/76



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.317+/-0.041 χ^2/NDF:6784.9/21

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.237+/-0.039 χ^2/NDF:6665.4/19

Left: -1.274+/-0.028 χ^2/NDF: 13452.3/41

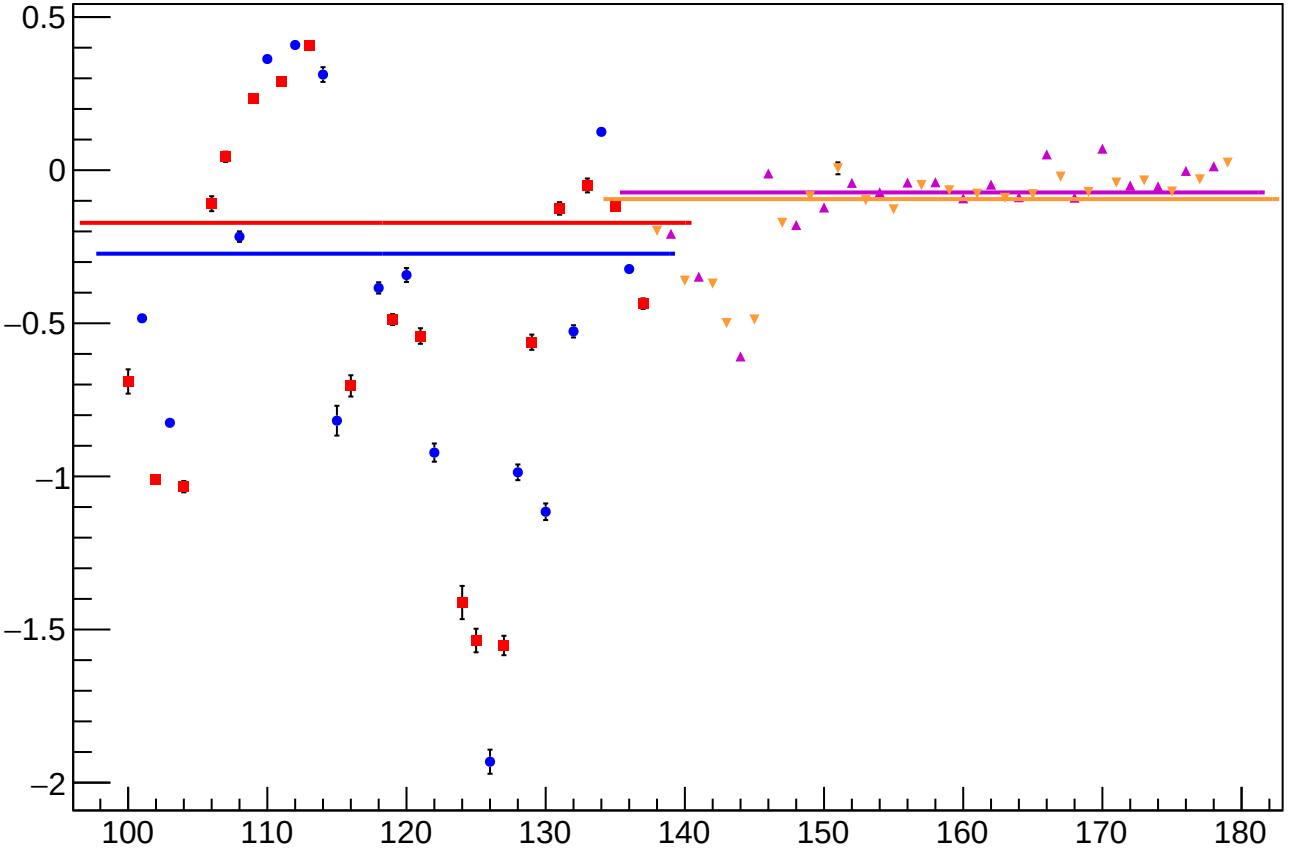
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.317+/-0.034 χ^2/NDF:11156.7/35

Out: -1.405+/-0.035 χ^2/NDF:9223.2/40

All: -1.360+/-0.024 χ^2/NDF: 20383.1/76

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.094+/-0.002 χ^2/NDF:3956.0/21

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.073+/-0.002 χ^2/NDF:4030.4/19

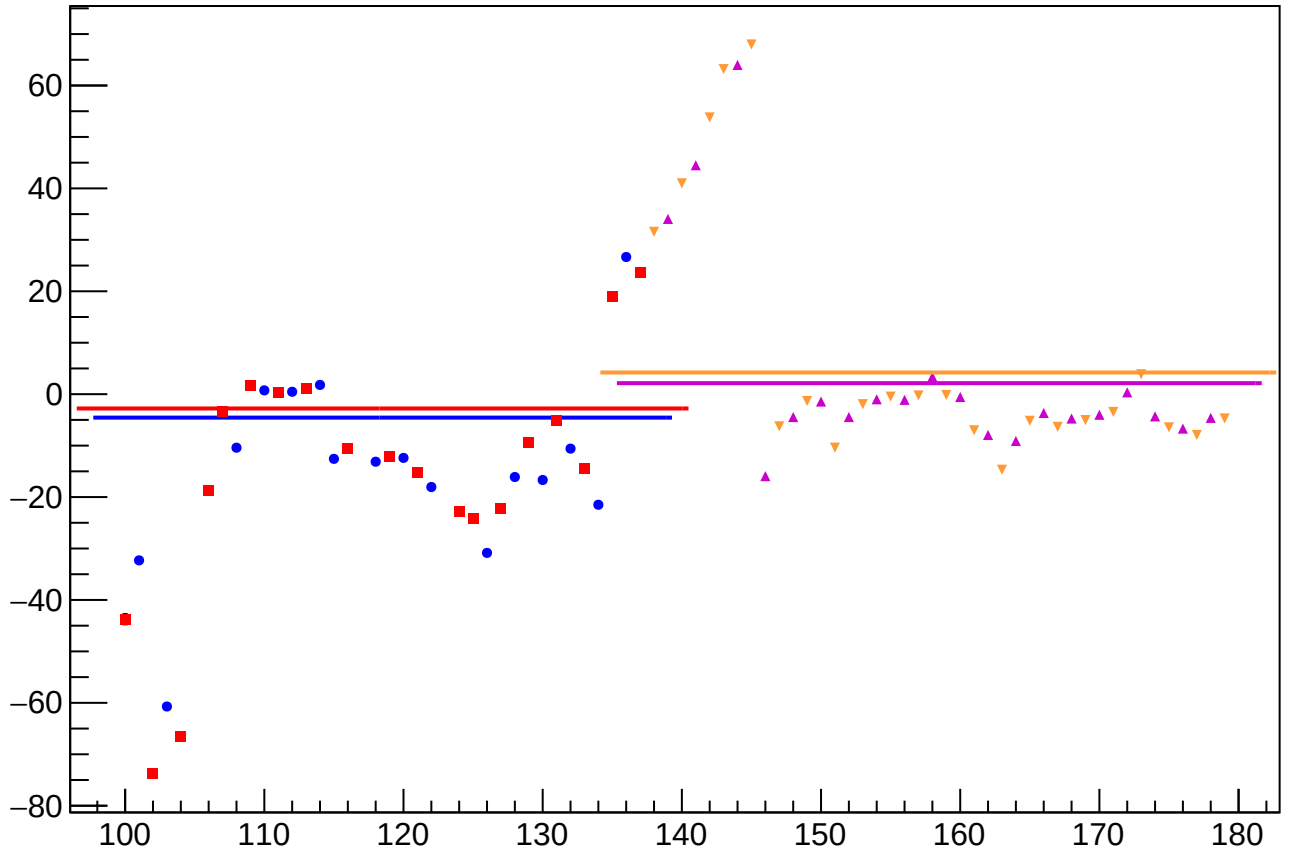
Left: -0.083+/-0.001 χ^2/NDF: 8064.7/41

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.099+/-0.002 χ^2/NDF:17832.0/35

Out: -0.108+/-0.002 χ^2/NDF:19607.9/40

All: -0.104+/-0.001 χ^2/NDF: 37456.1/76



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 4.214+/-0.049 χ^2/NDF:166215.5/21

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 2.141+/-0.047 χ^2/NDF:125134.6/19

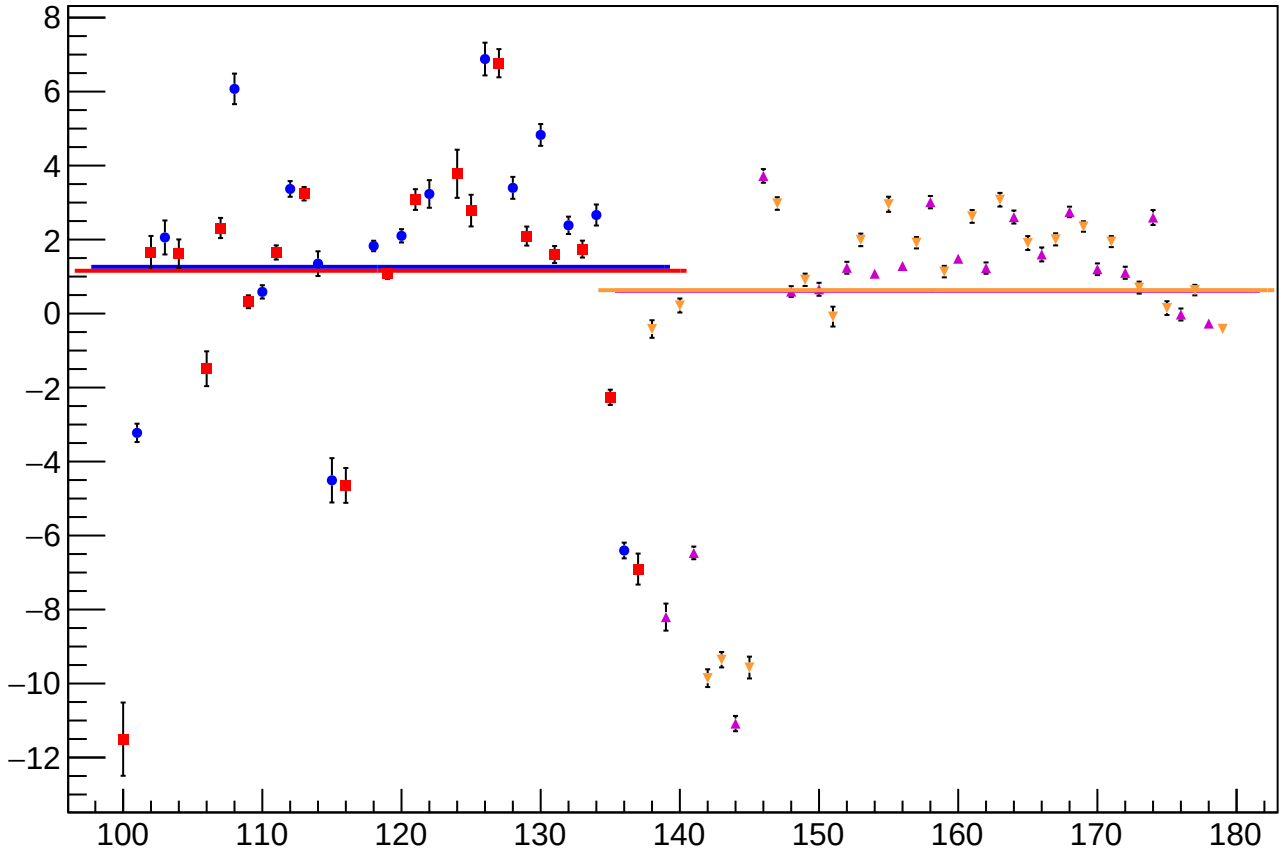
Left: 3.124+/-0.034 χ^2/NDF: 292279.1/41

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.571+/-0.036 χ^2/NDF:206044.4/35

Out: 0.658+/-0.035 χ^2/NDF:254339.4/40

All: 0.070+/-0.025 χ^2/NDF: 460987.4/76



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.632+/-0.037 χ^2/NDF:6606.8/21

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.615+/-0.035 χ^2/NDF:6676.4/19

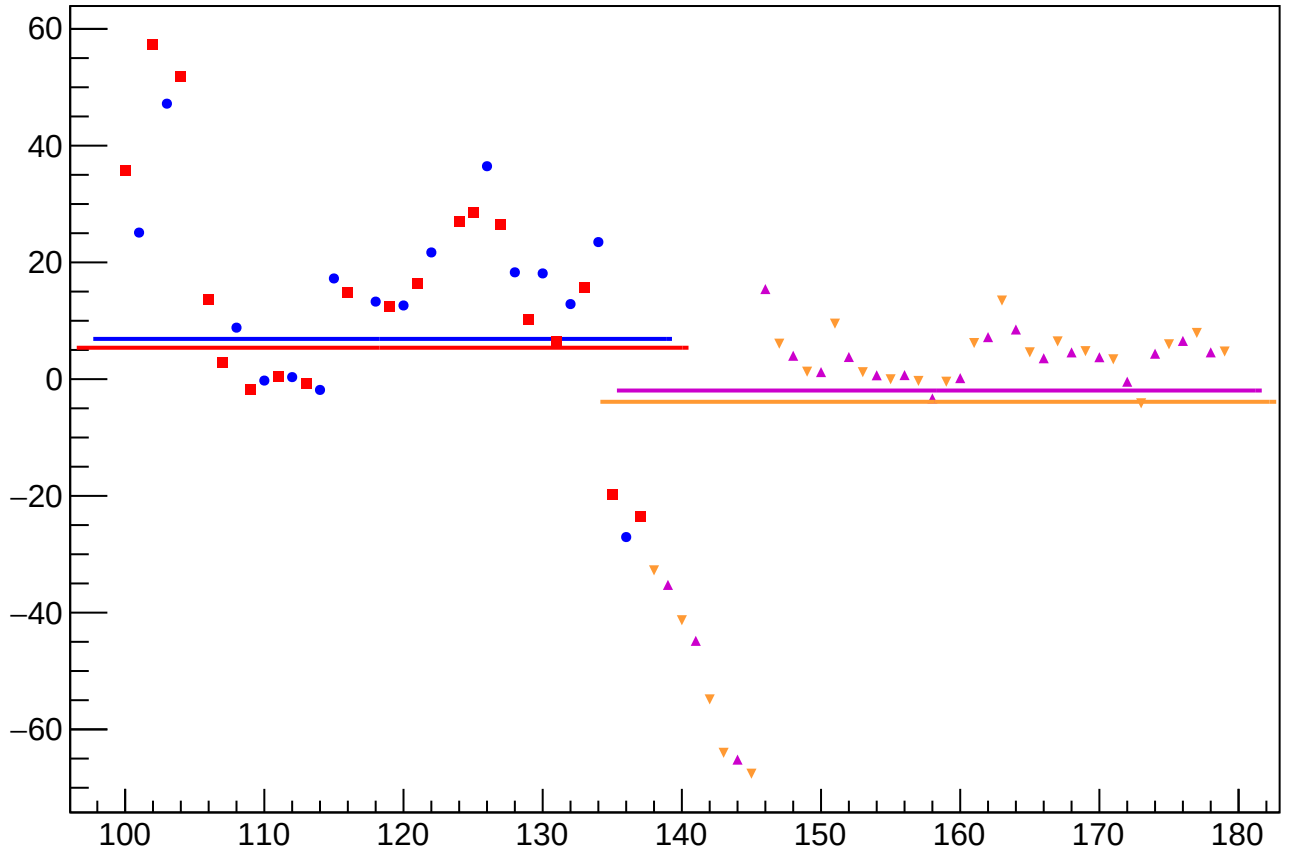
Left: 0.623+/-0.026 χ^2/NDF: 13283.3/41

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.771+/-0.031 χ^2/NDF:9203.1/35

Out: 0.781+/-0.032 χ^2/NDF:8153.8/40

All: 0.776+/-0.022 χ^2/NDF: 17356.9/76



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -3.880+/-0.049 χ^2/NDF:160743.5/21

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -1.950+/-0.046 χ^2/NDF:122101.6/19

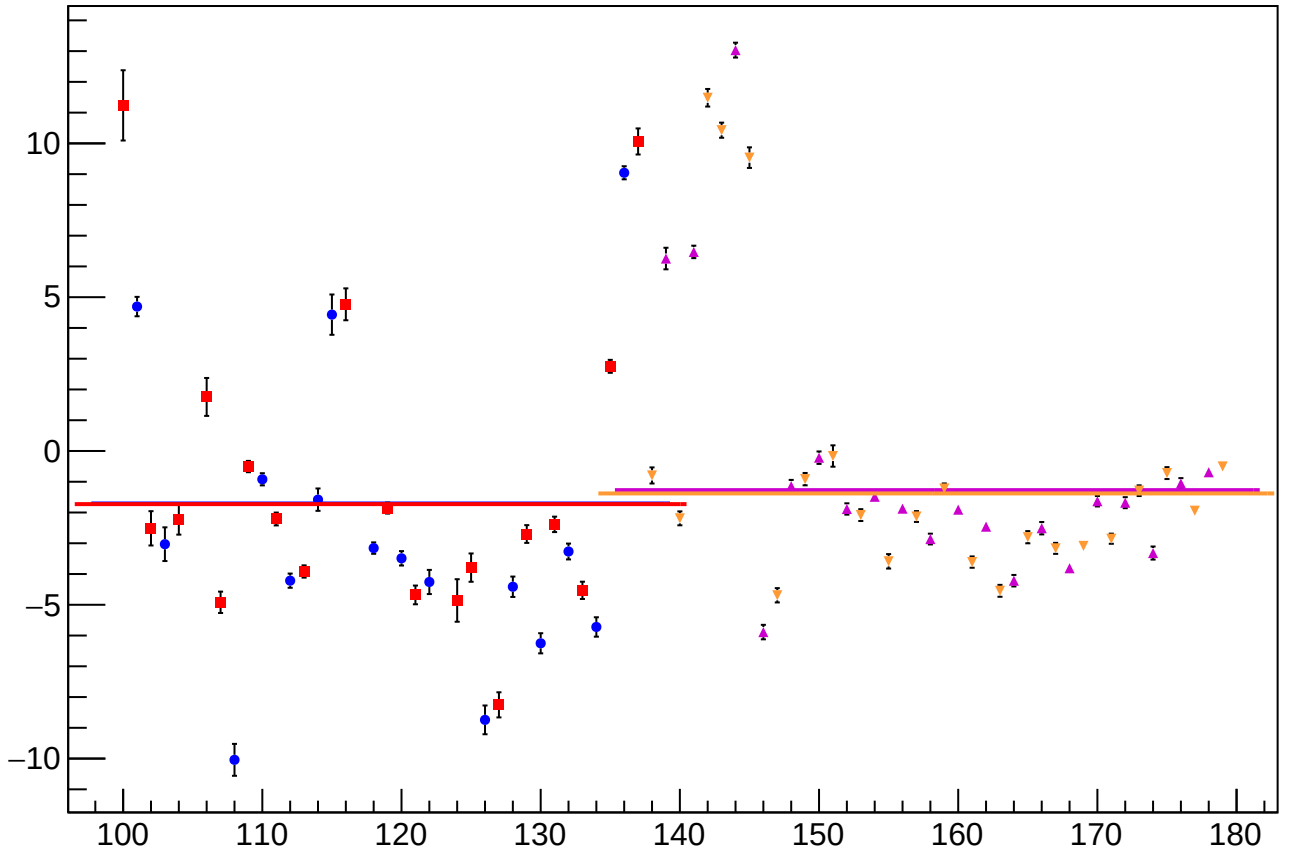
Left: -2.857+/-0.033 χ^2/NDF: 283681.7/41

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.843+/-0.038 χ^2/NDF:201944.3/35

Out: -0.333+/-0.038 χ^2/NDF:246880.1/40

All: 0.260+/-0.027 χ^2/NDF: 449302.5/76



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.380+/-0.042 χ^2/NDF:6574.6/21

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.273+/-0.039 χ^2/NDF:6664.2/19

Left: -1.323+/-0.029 χ^2/NDF: 13242.3/41

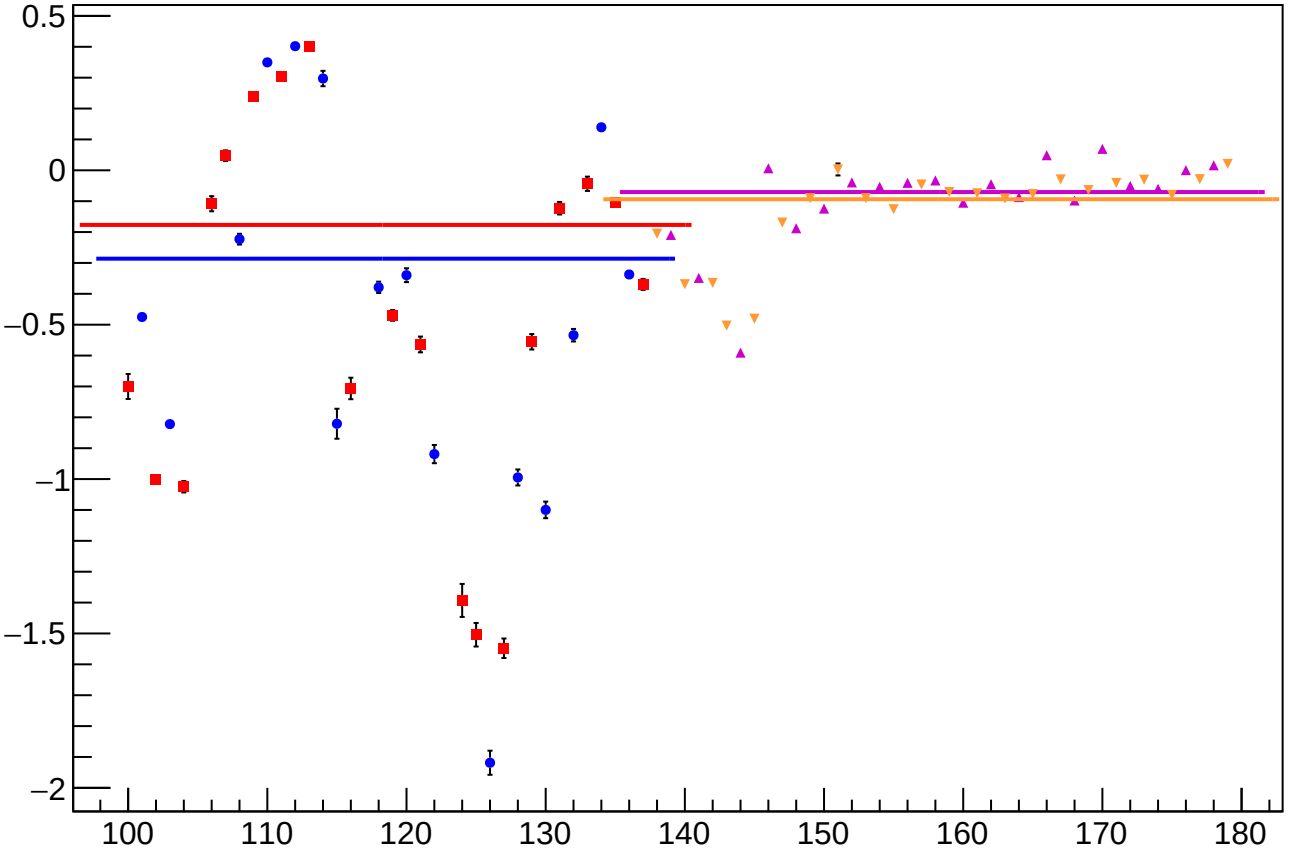
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.373+/-0.034 χ^2/NDF:10982.4/35

Out: -1.477+/-0.035 χ^2/NDF:8903.6/40

All: -1.424+/-0.025 χ^2/NDF: 19890.4/76

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.094+/-0.002 χ^2/NDF:3866.3/21

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.070+/-0.002 χ^2/NDF:3913.6/19

Left: -0.081+/-0.001 χ^2/NDF: 7868.7/41

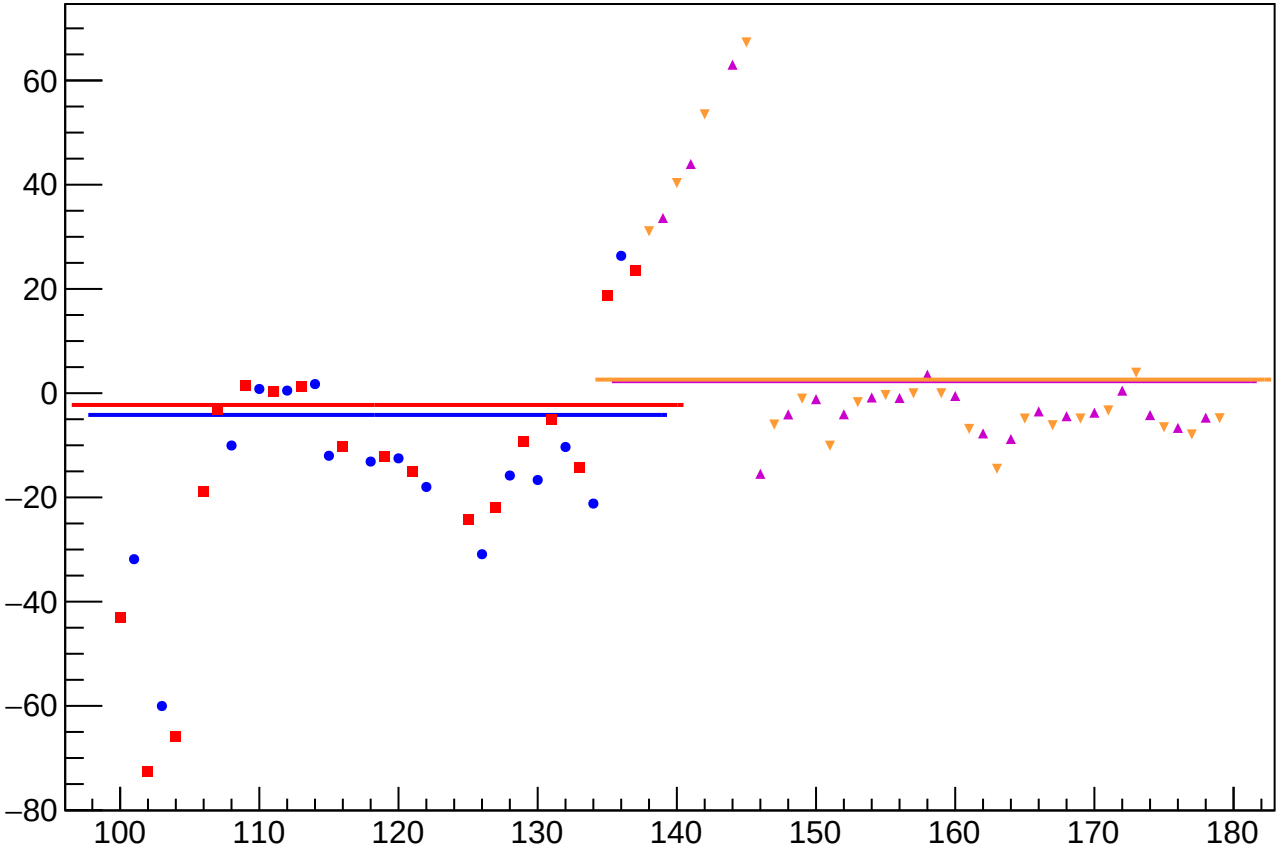
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.099+/-0.002 χ^2/NDF:17481.3/35

Out: -0.108+/-0.002 χ^2/NDF:18999.8/40

All: -0.103+/-0.001 χ^2/NDF: 36498.5/76

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 2.606+/-0.049 χ^2/NDF:127695.6/20

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 2.299+/-0.045 χ^2/NDF:128742.9/19

Left: 2.441+/-0.033 χ^2/NDF: 256459.7/40

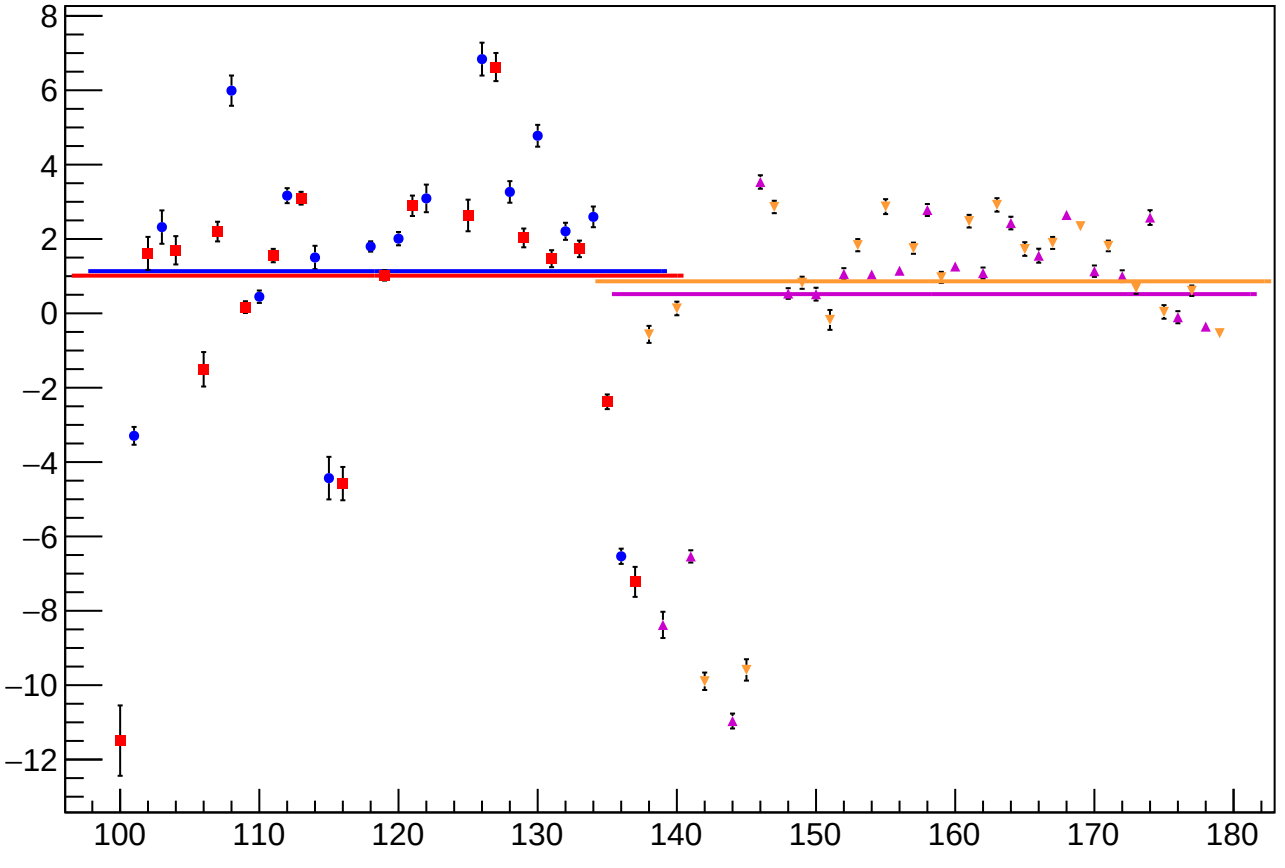
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.360+/-0.035 χ^2/NDF:212461.6/35

Out: 0.030+/-0.033 χ^2/NDF:212581.3/38

All: -0.157+/-0.024 χ^2/NDF: 425107.8/74

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.862+/-0.037 χ^2/NDF:4395.0/20

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.517+/-0.034 χ^2/NDF:6909.6/19

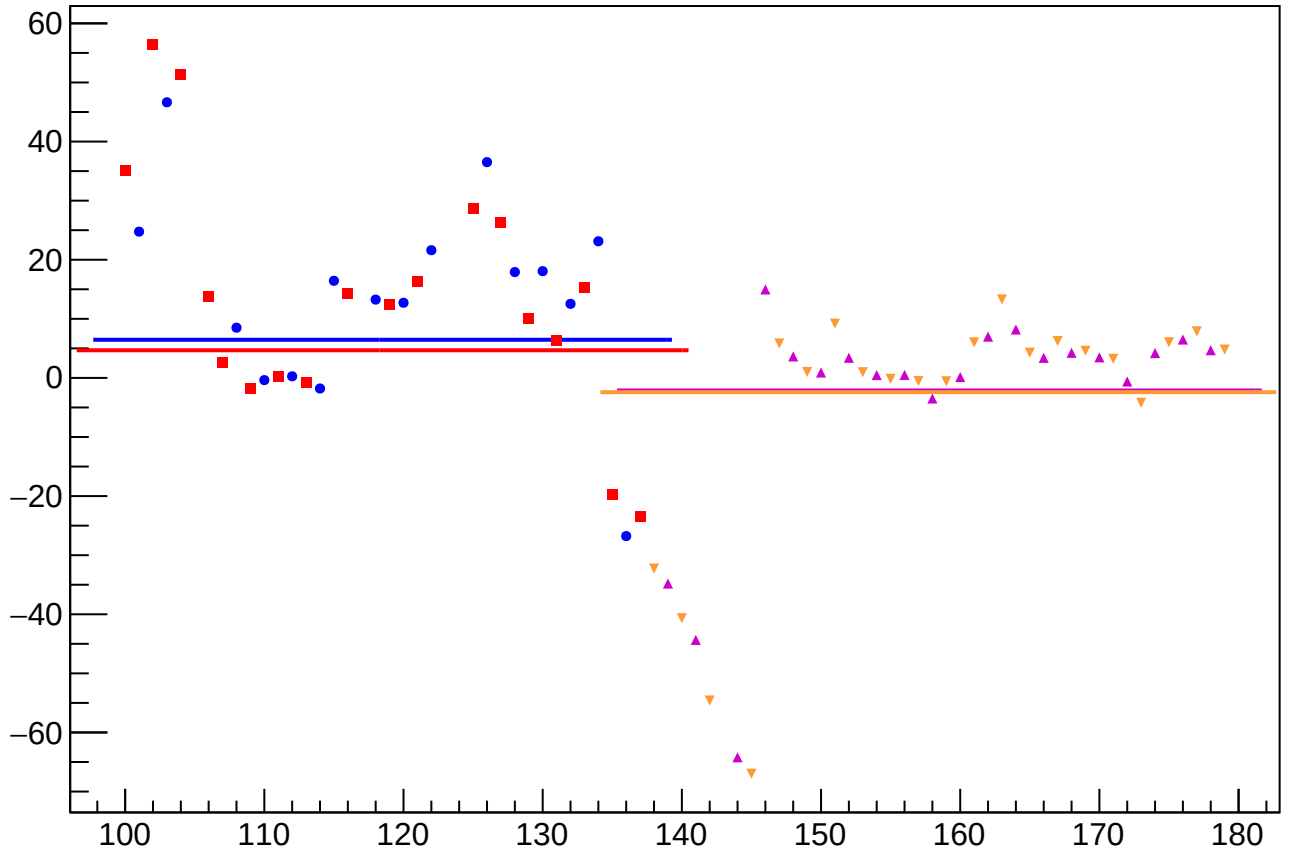
Left: 0.675+/-0.025 χ^2/NDF: 11351.7/40

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.666+/-0.030 χ^2/NDF:9585.2/35

Out: 0.907+/-0.031 χ^2/NDF:5993.0/38

All: 0.780+/-0.021 χ^2/NDF: 15609.7/74



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -2.411+/-0.048 χ^2/NDF:123002.5/20

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.124+/-0.044 χ^2/NDF:125704.9/19

Left: -2.256+/-0.033 χ^2/NDF: 248726.7/40

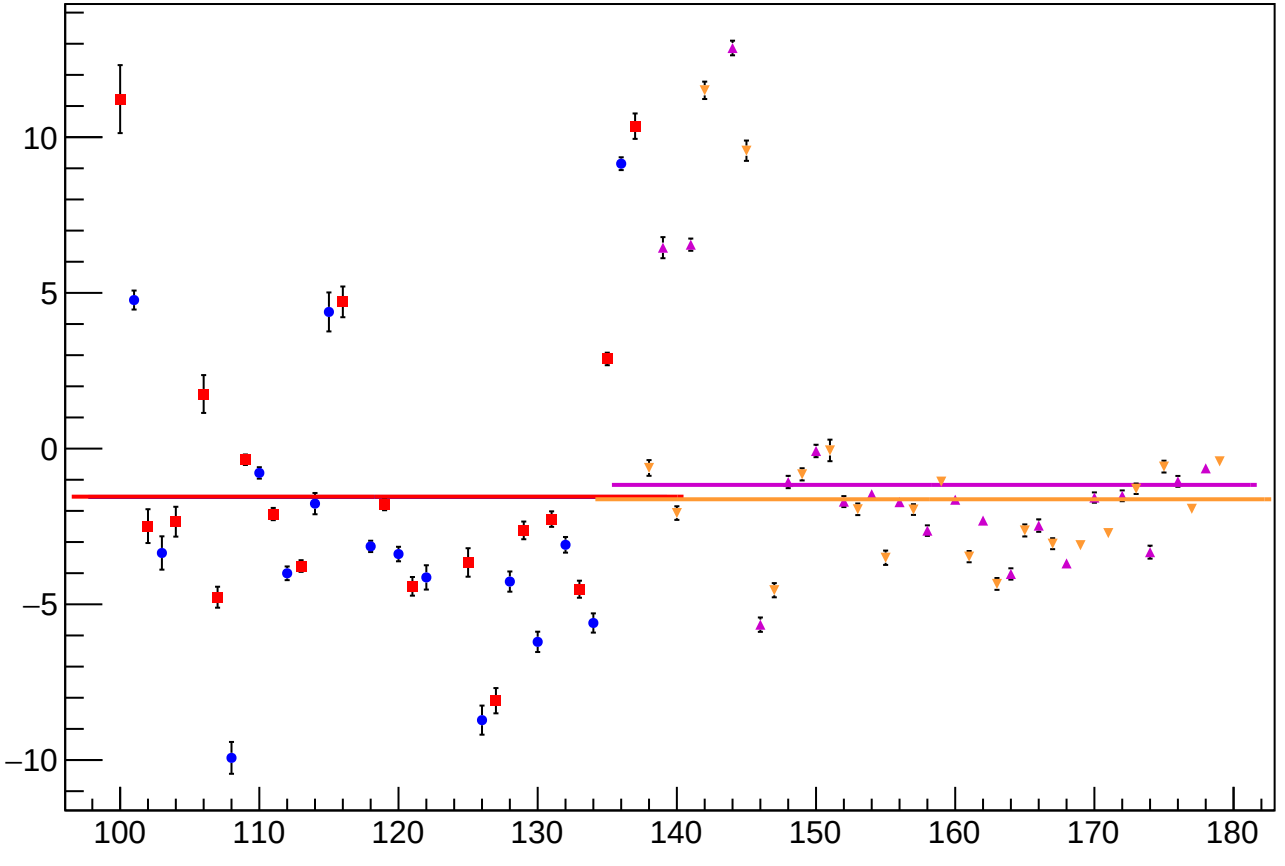
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.605+/-0.037 χ^2/NDF:208400.7/35

Out: 0.409+/-0.037 χ^2/NDF:206081.5/38

All: 0.509+/-0.026 χ^2/NDF: 414496.2/74

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.627+/-0.041 χ^2/NDF:4350.5/20

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.165+/-0.038 χ^2/NDF:6876.7/19

Left: -1.376+/-0.028 χ^2/NDF: 11295.2/40

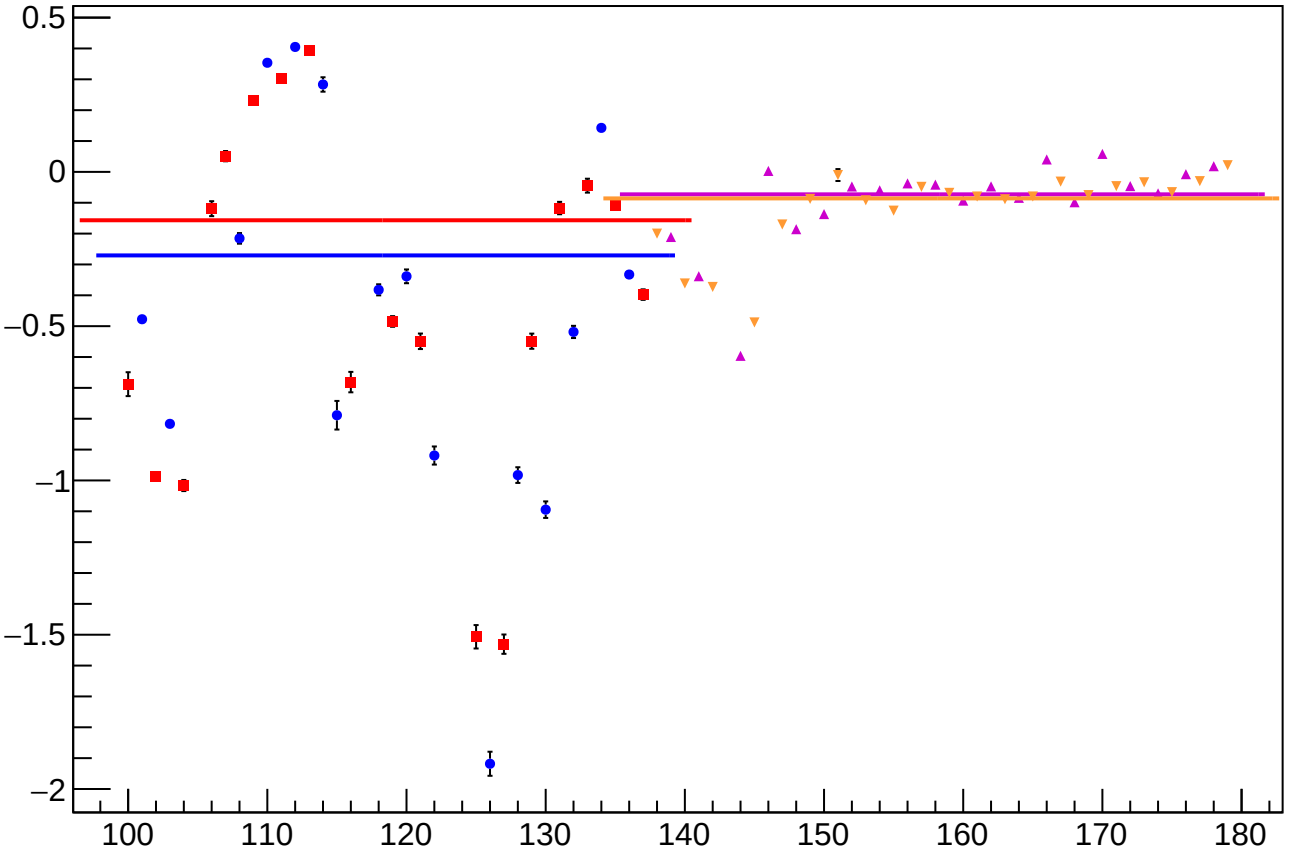
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.254+/-0.033 χ^2/NDF:11444.3/35

Out: -1.603+/-0.035 χ^2/NDF:6824.7/38

All: -1.421+/-0.024 χ^2/NDF: 18321.5/74

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.086+/-0.002 χ^2/NDF:2815.8/20

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3993.7/19

Left: -0.079+/-0.001 χ^2/NDF: 6839.2/40

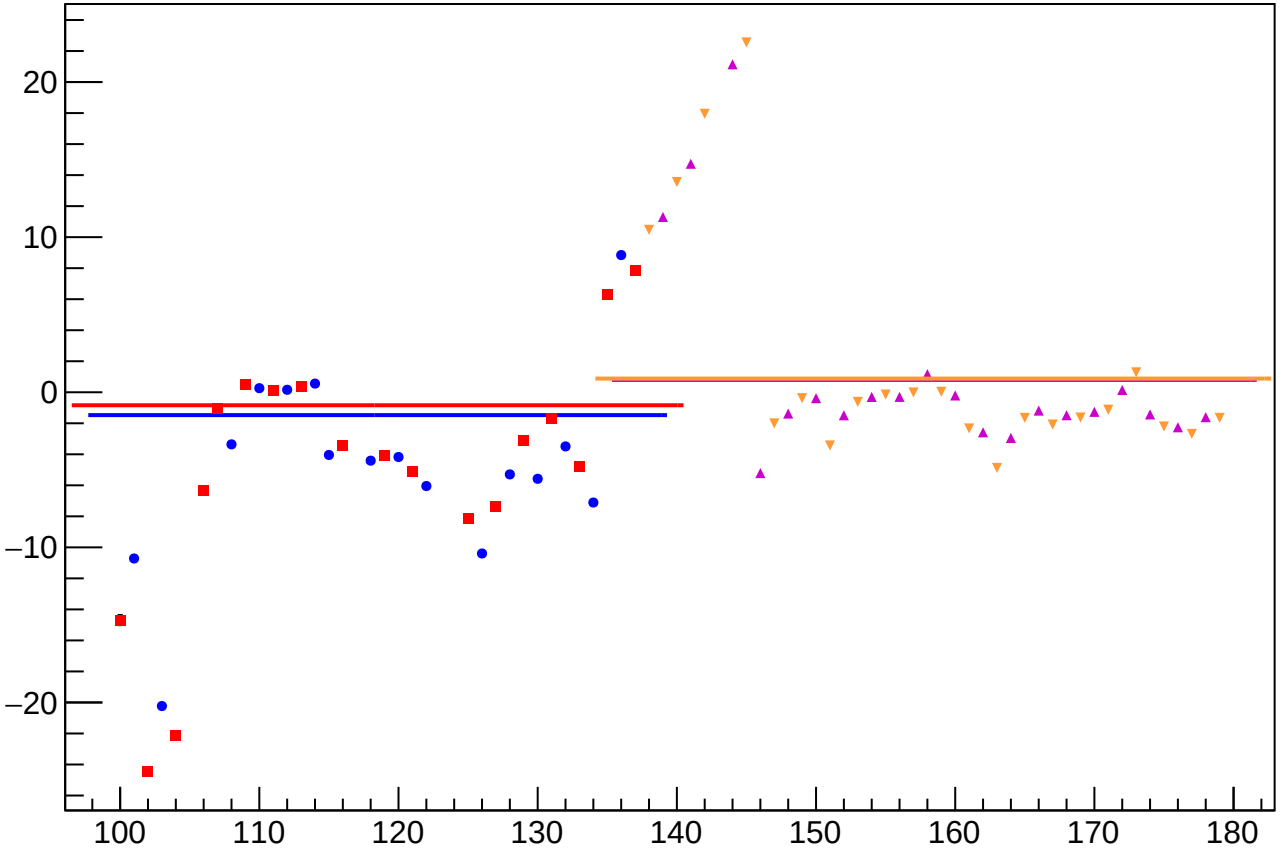
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.099+/-0.002 χ^2/NDF:18072.9/35

Out: -0.099+/-0.002 χ^2/NDF:18119.7/38

All: -0.099+/-0.001 χ^2/NDF: 36192.6/74

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 0.883+/-0.017 χ^2/NDF:125548.8/20

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 0.794+/-0.016 χ^2/NDF:126169.6/19

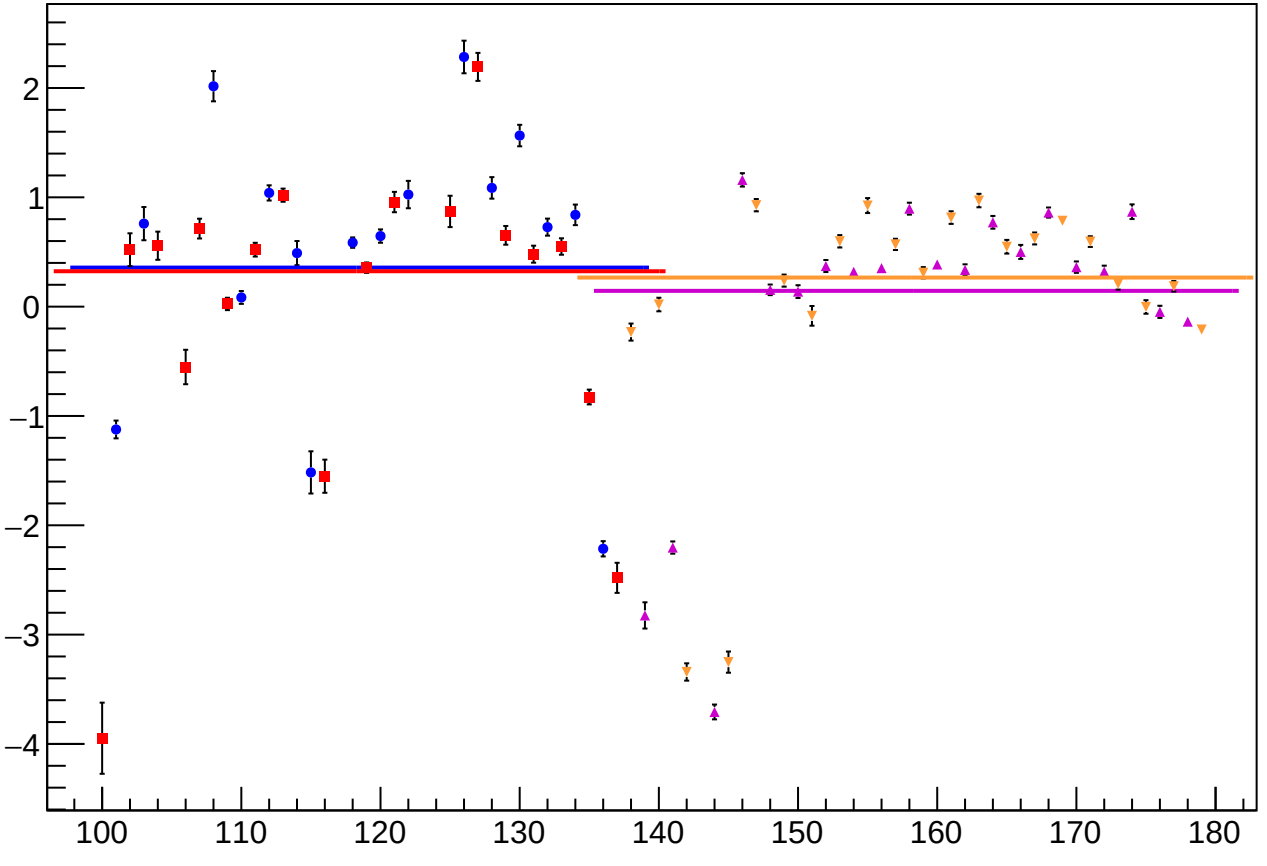
Left: 0.836+/-0.011 χ^2/NDF: 251733.4/40

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.134+/-0.012 χ^2/NDF:208546.2/35

Out: -0.011+/-0.012 χ^2/NDF:209103.9/38

All: -0.070+/-0.008 χ^2/NDF: 417704.8/74



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.266+/-0.013 χ^2/NDF:4348.8/20

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.144+/-0.012 χ^2/NDF:6743.3/19

Left: 0.200+/-0.009 χ^2/NDF: 11142.4/40

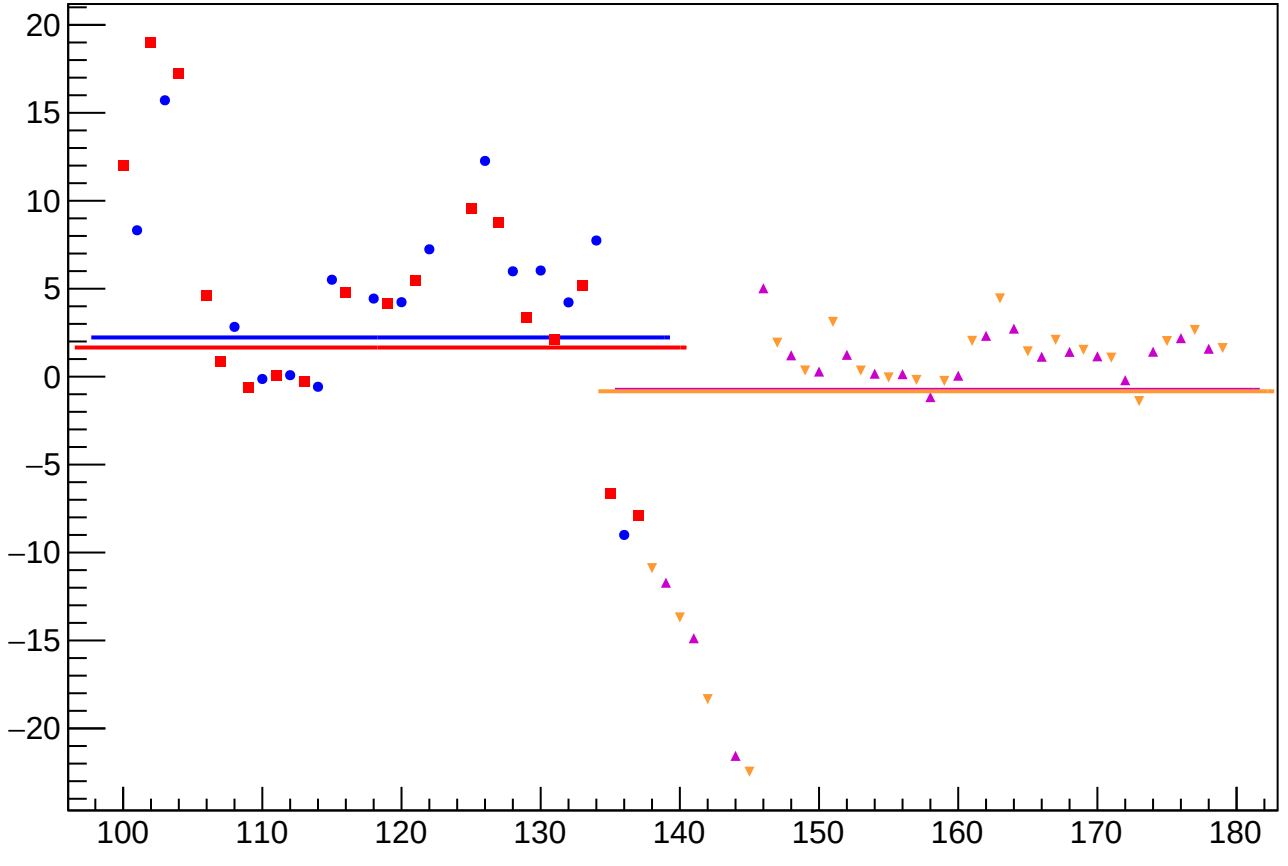
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.196+/-0.010 χ^2/NDF:9367.3/35

Out: 0.283+/-0.011 χ^2/NDF:5913.8/38

All: 0.237+/-0.007 χ^2/NDF: 15316.2/74

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -0.831+/-0.016 χ^2/NDF:120928.8/20

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.749+/-0.015 χ^2/NDF:123239.5/19

Left: -0.787+/-0.011 χ^2/NDF: 244181.9/40

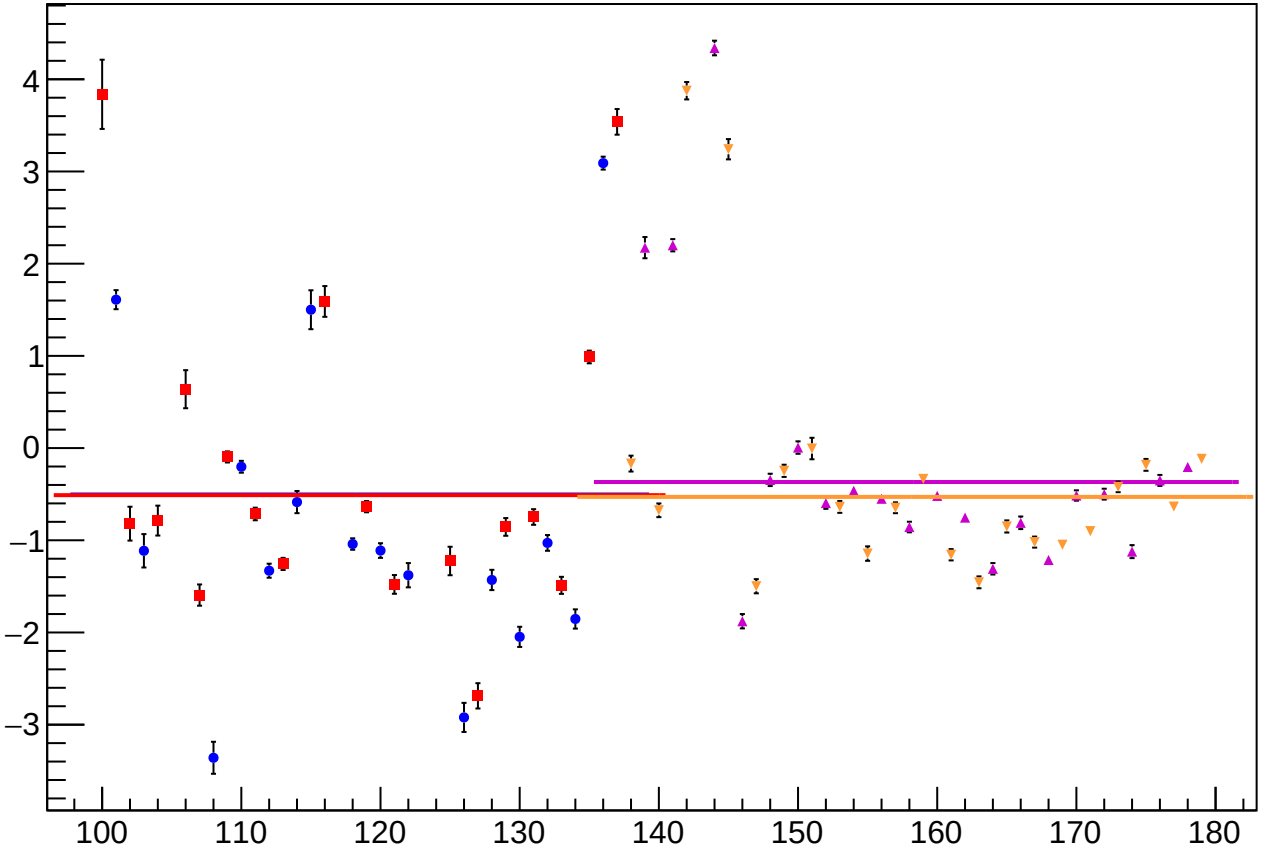
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.201+/-0.013 χ^2/NDF:204618.4/35

Out: 0.142+/-0.013 χ^2/NDF:202739.7/38

All: 0.172+/-0.009 χ^2/NDF: 407368.9/74

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.529+/-0.014 χ^2/NDF:4307.7/20

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.368+/-0.013 χ^2/NDF:6722.6/19

Left: -0.443+/-0.010 χ^2/NDF: 11101.2/40

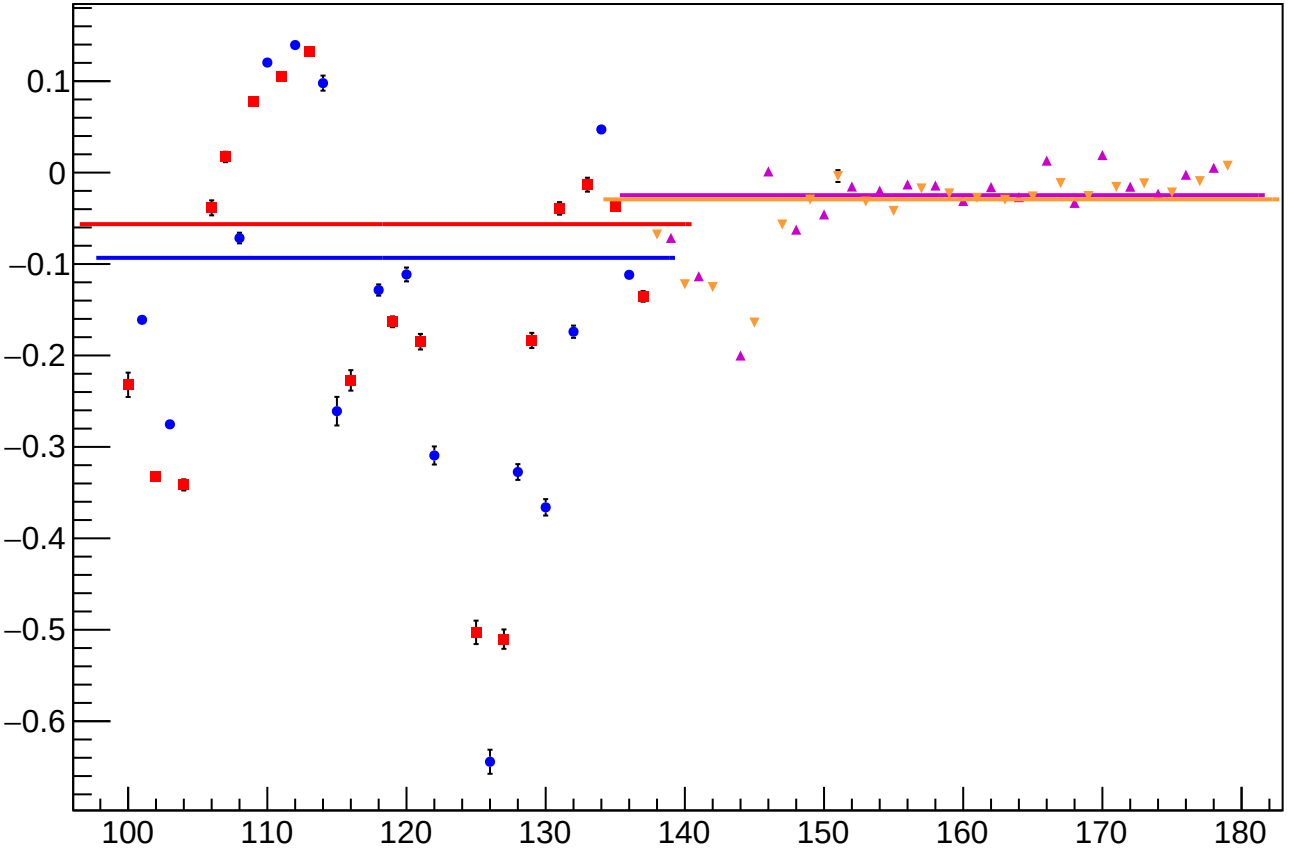
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.400+/-0.011 χ^2/NDF:11195.0/35

Out: -0.524+/-0.012 χ^2/NDF:6732.2/38

All: -0.459+/-0.008 χ^2/NDF: 17984.3/74

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.029+/-0.001 χ^2/NDF:2774.2/20

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.025+/-0.001 χ^2/NDF:3892.0/19

Left: -0.027+/-0.000 χ^2/NDF: 6696.2/40

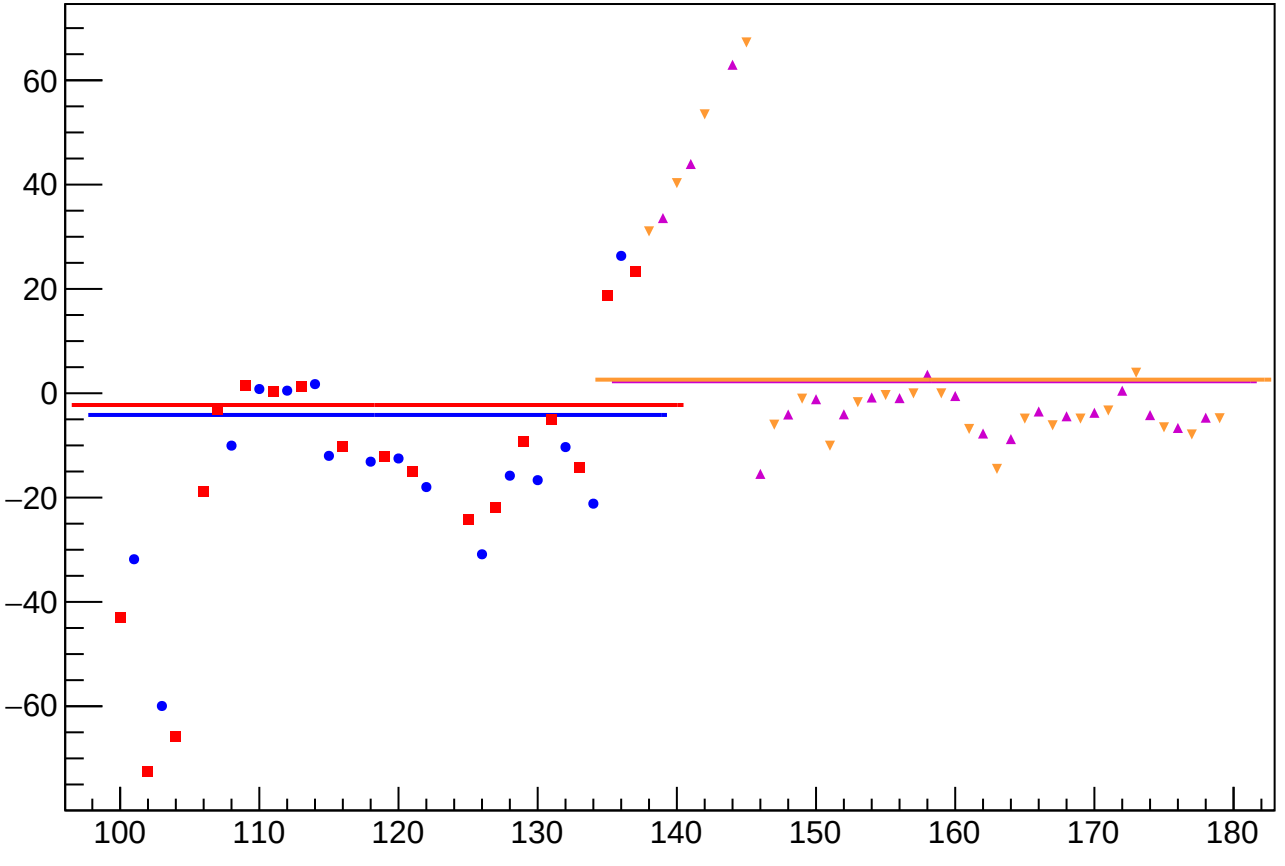
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.034+/-0.001 χ^2/NDF:17669.0/35

Out: -0.034+/-0.001 χ^2/NDF:17584.9/38

All: -0.034+/-0.000 χ^2/NDF: 35254.0/74

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 2.608+/-0.049 χ^2/NDF:127675.4/20

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 2.300+/-0.045 χ^2/NDF:128753.3/19

Left: 2.443+/-0.033 χ^2/NDF: 256450.1/40

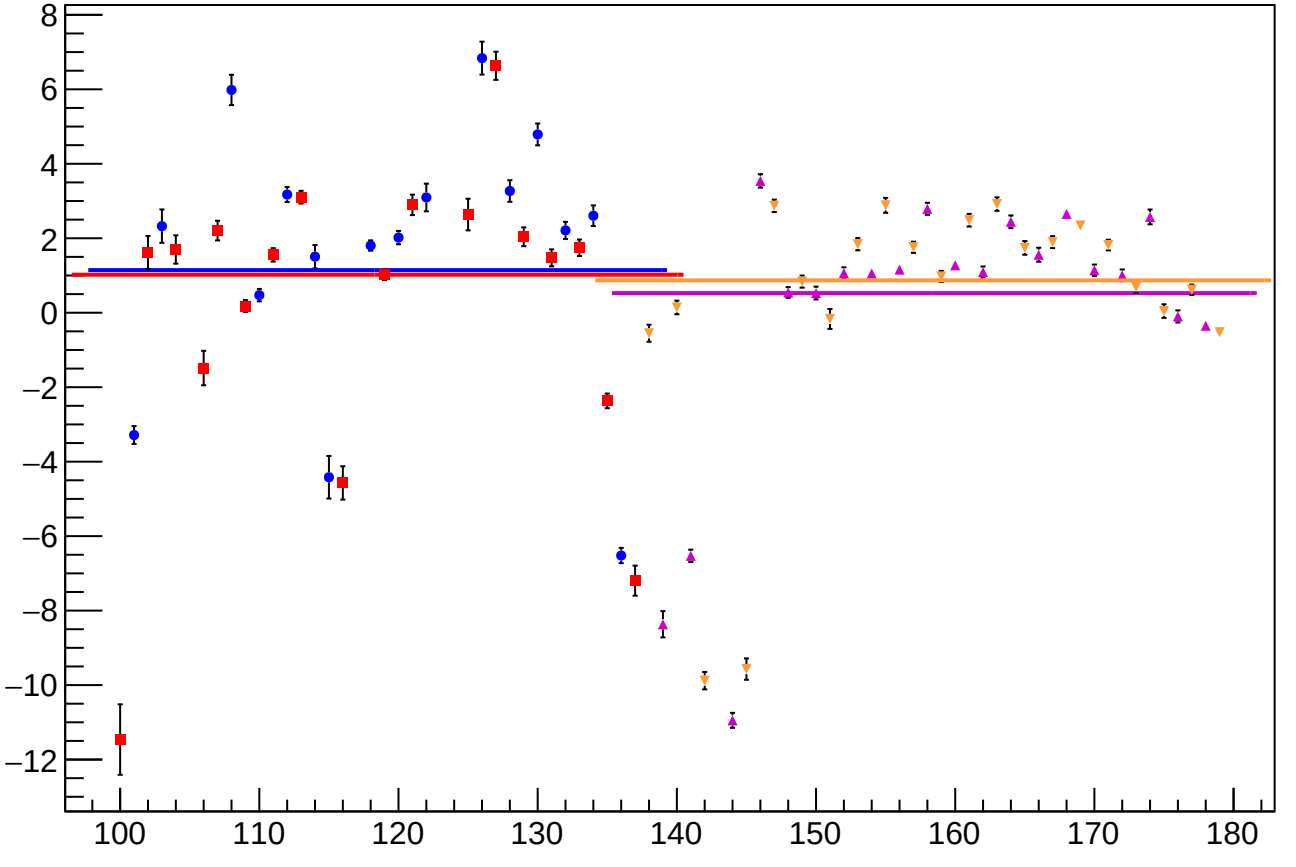
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.355+/-0.035 χ^2/NDF:212483.5/35

Out: 0.035+/-0.033 χ^2/NDF:212570.9/38

All: -0.152+/-0.024 χ^2/NDF: 425119.4/74

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.869+/-0.037 χ^2/NDF:4392.1/20

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.527+/-0.034 χ^2/NDF:6914.3/19

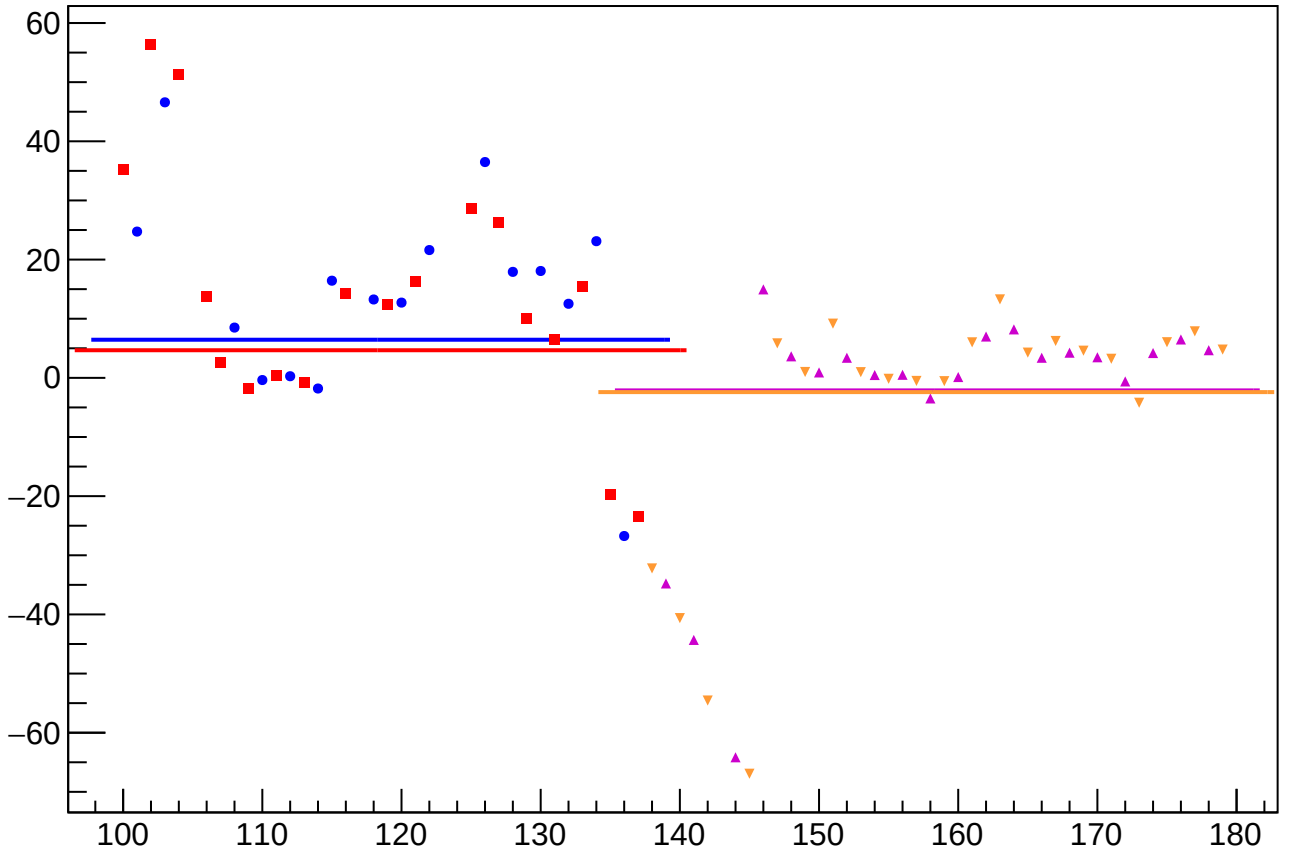
Left: 0.683+/-0.025 χ^2/NDF: 11353.1/40

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.675+/-0.030 χ^2/NDF:9589.7/35

Out: 0.914+/-0.031 χ^2/NDF:5988.2/38

All: 0.789+/-0.021 χ^2/NDF: 15609.0/74



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -2.408+/-0.048 χ^2/NDF:122983.2/20

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -2.120+/-0.044 χ^2/NDF:125711.8/19

Left: -2.253+/-0.033 χ^2/NDF: 248714.4/40

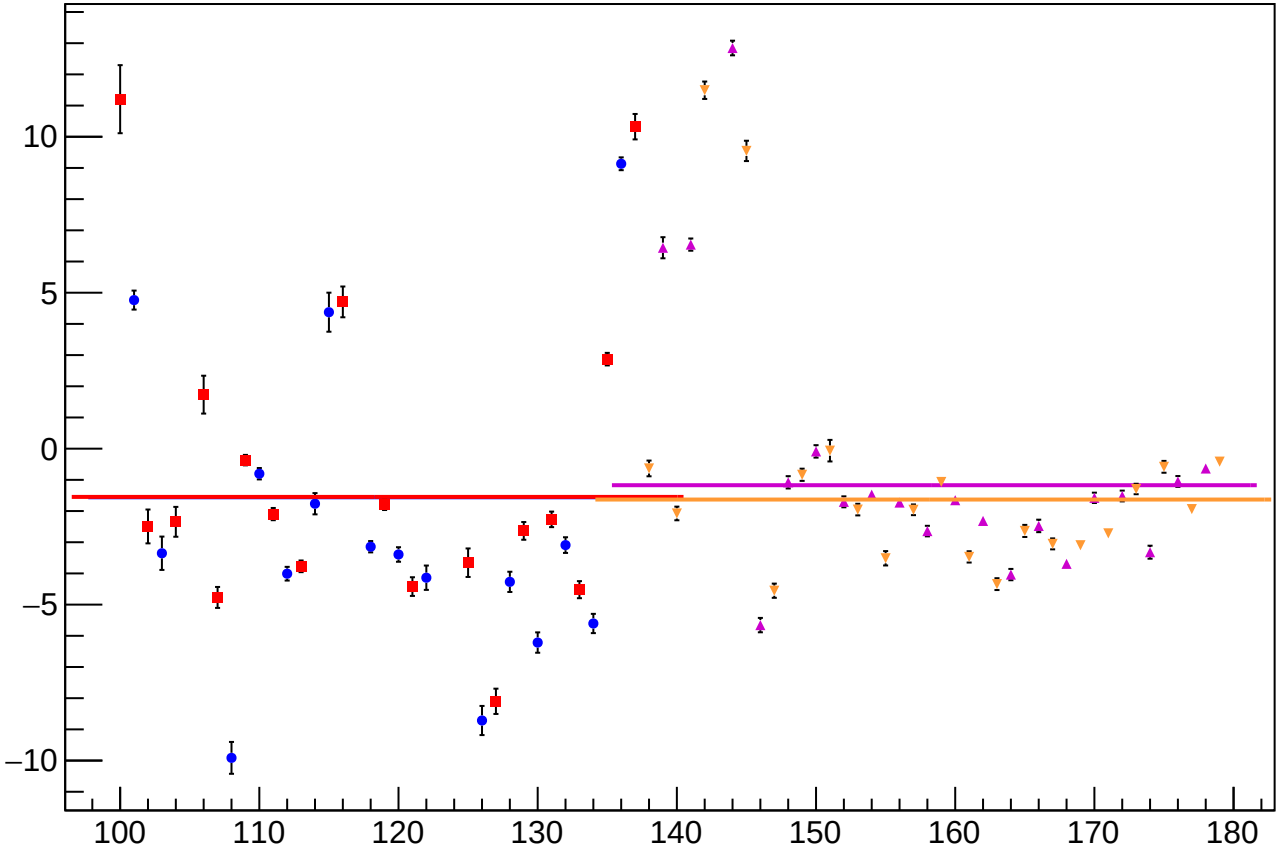
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.606+/-0.037 χ^2/NDF:208414.9/35

Out: 0.410+/-0.037 χ^2/NDF:206065.1/38

All: 0.510+/-0.026 χ^2/NDF: 414494.0/74

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.631+/-0.041 χ^2/NDF:4347.3/20

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.172+/-0.038 χ^2/NDF:6880.4/19

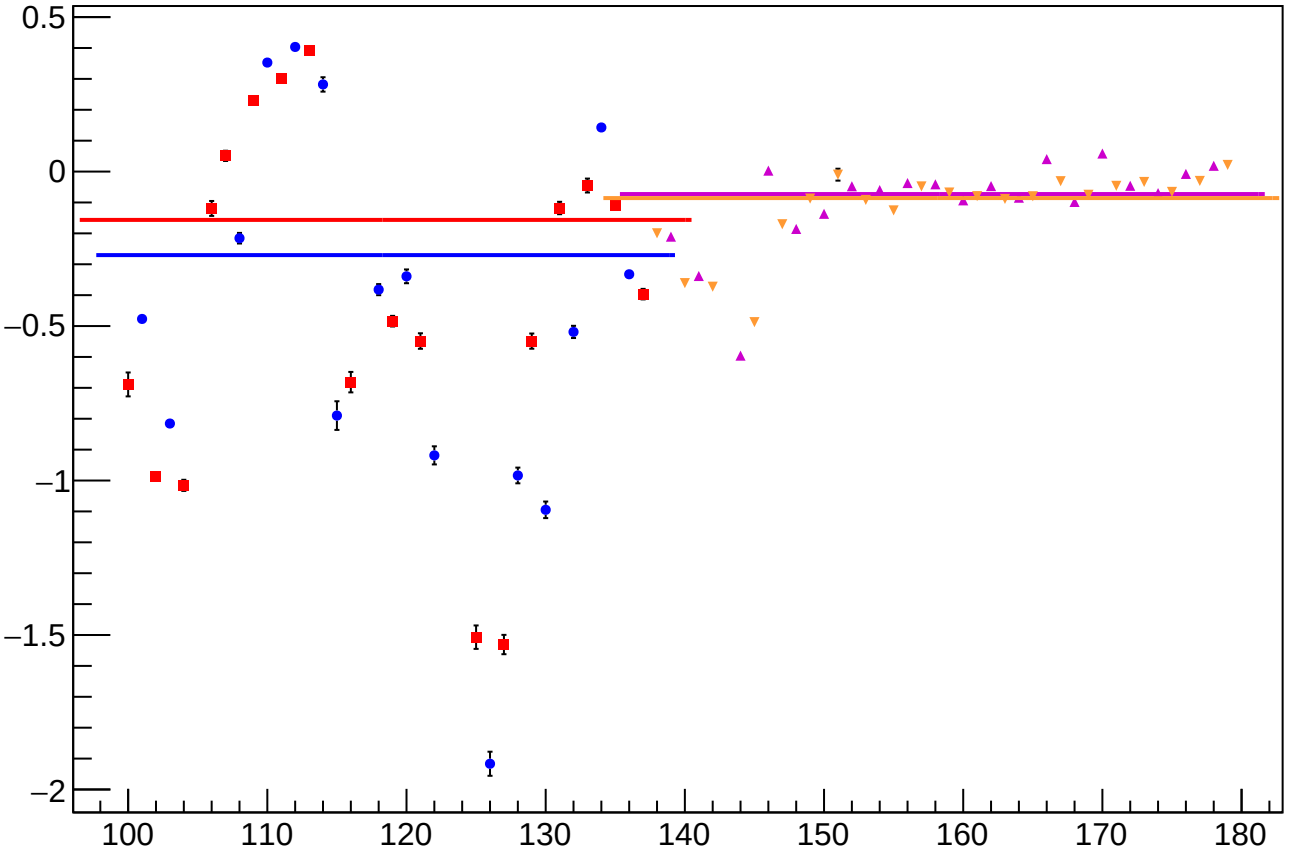
Left: -1.382+/-0.028 χ^2/NDF: 11295.2/40

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.261+/-0.033 χ^2/NDF:11447.5/35

Out: -1.607+/-0.035 χ^2/NDF:6818.6/38

All: -1.426+/-0.024 χ^2/NDF: 18318.0/74



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.086+/-0.002 χ^2/NDF:2814.8/20

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3996.9/19

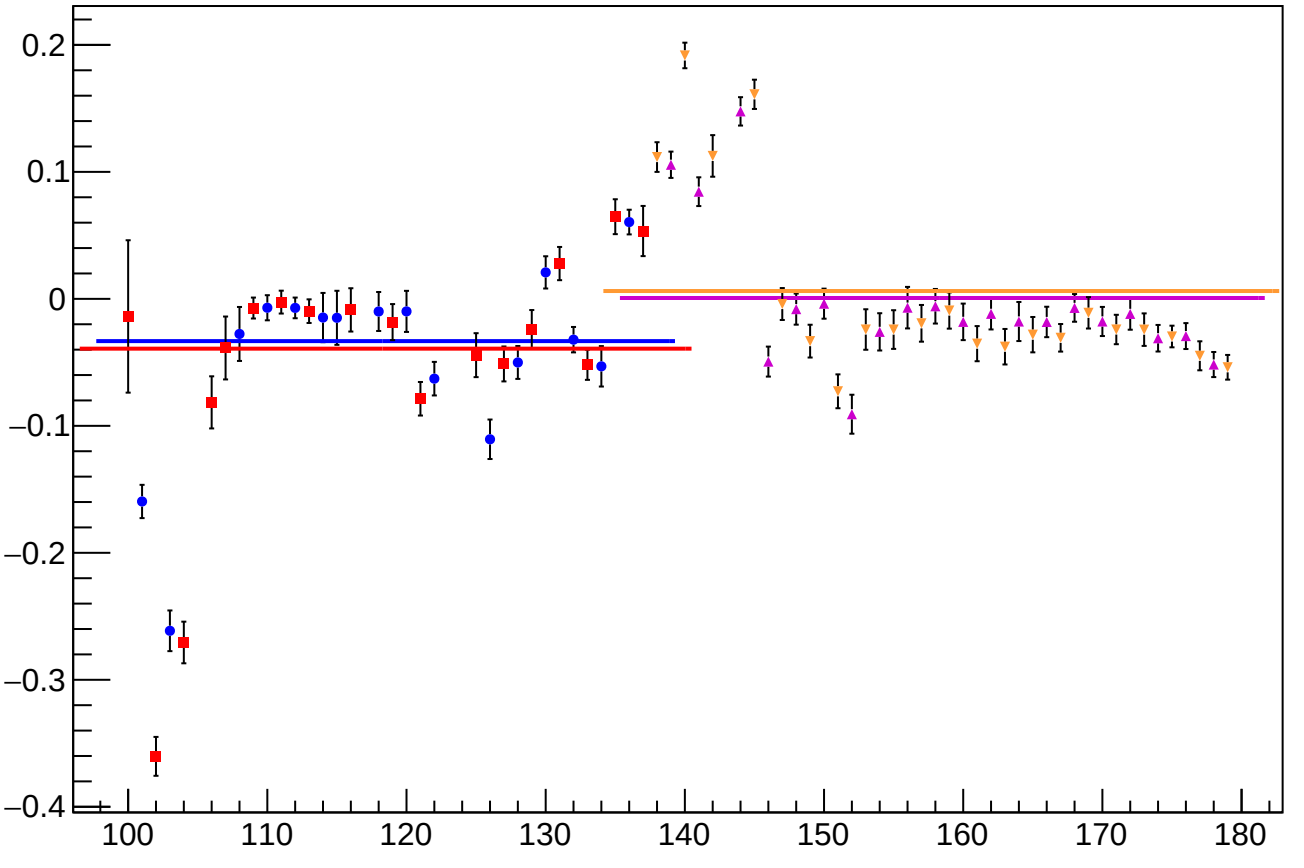
Left: -0.079+/-0.001 χ^2/NDF: 6841.0/40

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.099+/-0.002 χ^2/NDF:18075.1/35

Out: -0.099+/-0.002 χ^2/NDF:18128.6/38

All: -0.099+/-0.001 χ^2/NDF: 36203.7/74



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.006+/-0.003 χ^2/NDF:827.5/20

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.001+/-0.003 χ^2/NDF:445.0/19

Left: 0.003+/-0.002 χ^2/NDF: 1274.6/40

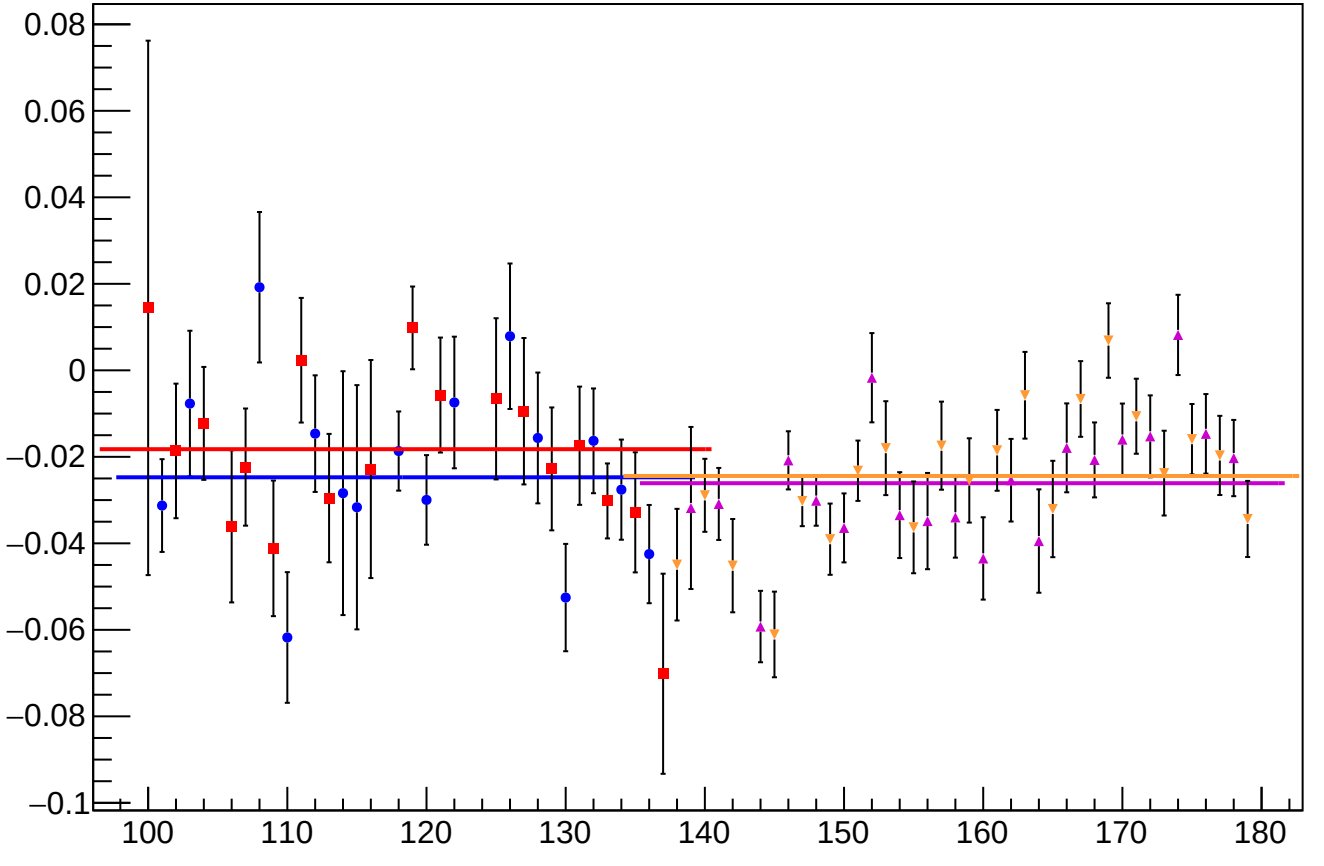
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.013+/-0.002 χ^2/NDF:974.1/35

Out: -0.013+/-0.002 χ^2/NDF:1754.5/38

All: -0.013+/-0.001 χ^2/NDF: 2728.6/74

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:53.3/20

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.8/19

Left: -0.025+/-0.001 χ^2/NDF: 104.5/40

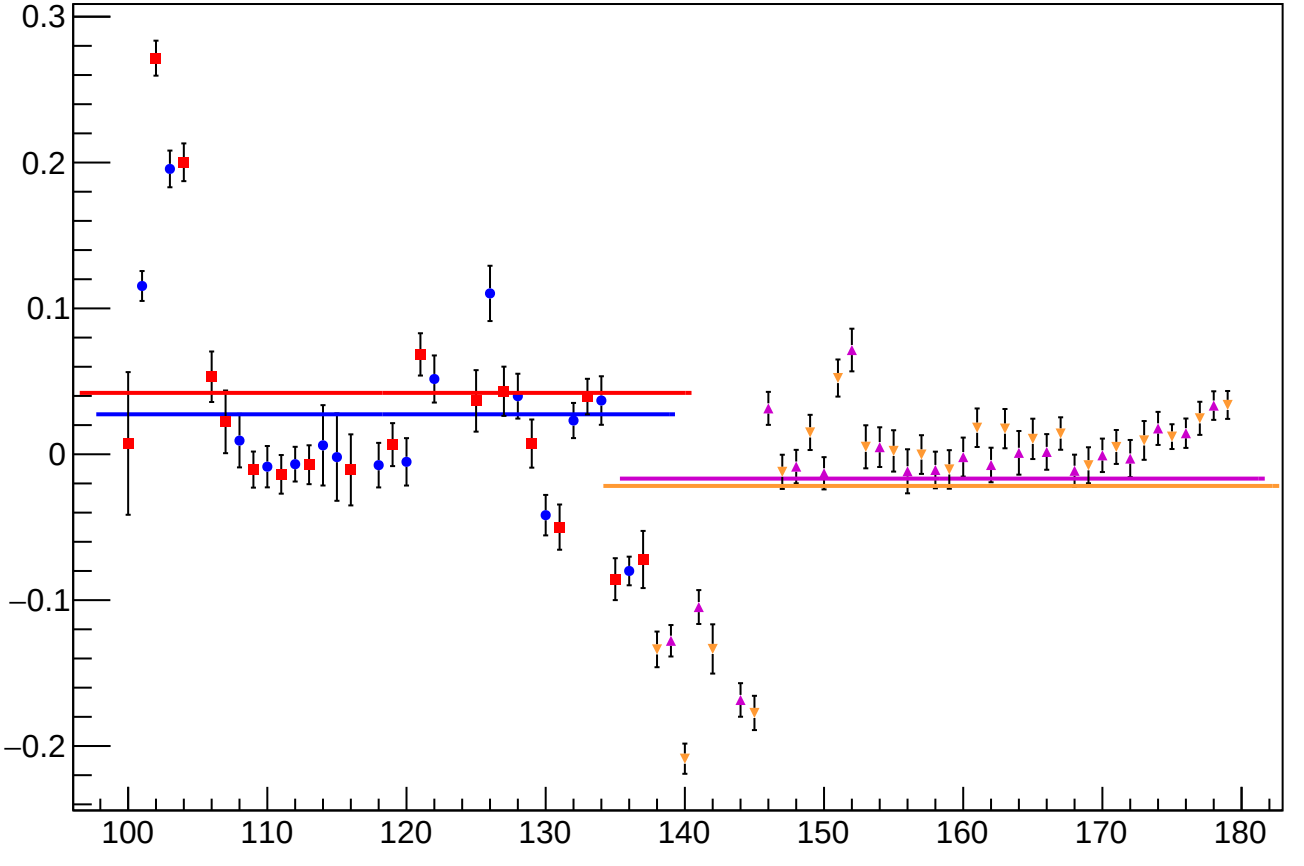
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:79.5/35

Out: -0.023+/-0.002 χ^2/NDF:80.6/38

All: -0.024+/-0.001 χ^2/NDF: 161.5/74

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.022+/-0.003 χ^2/NDF:794.7/20

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.017+/-0.003 χ^2/NDF:449.2/19

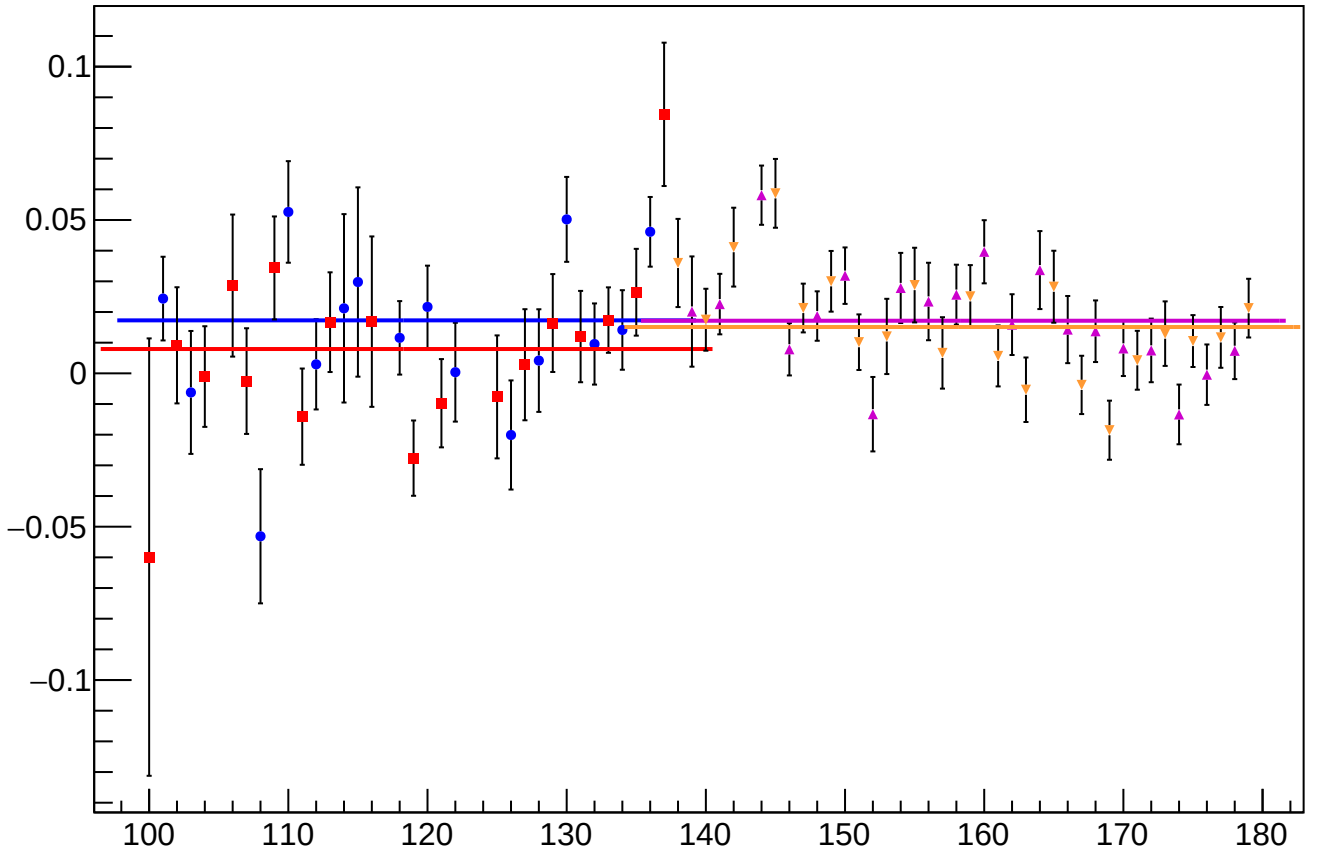
Left: -0.019+/-0.002 χ^2/NDF: 1245.7/40

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.001+/-0.002 χ^2/NDF:993.3/35

Out: 0.000+/-0.002 χ^2/NDF:1729.9/38

All: -0.000+/-0.002 χ^2/NDF: 2723.4/74



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.6/20

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.017+/-0.002 χ^2/NDF:52.9/19

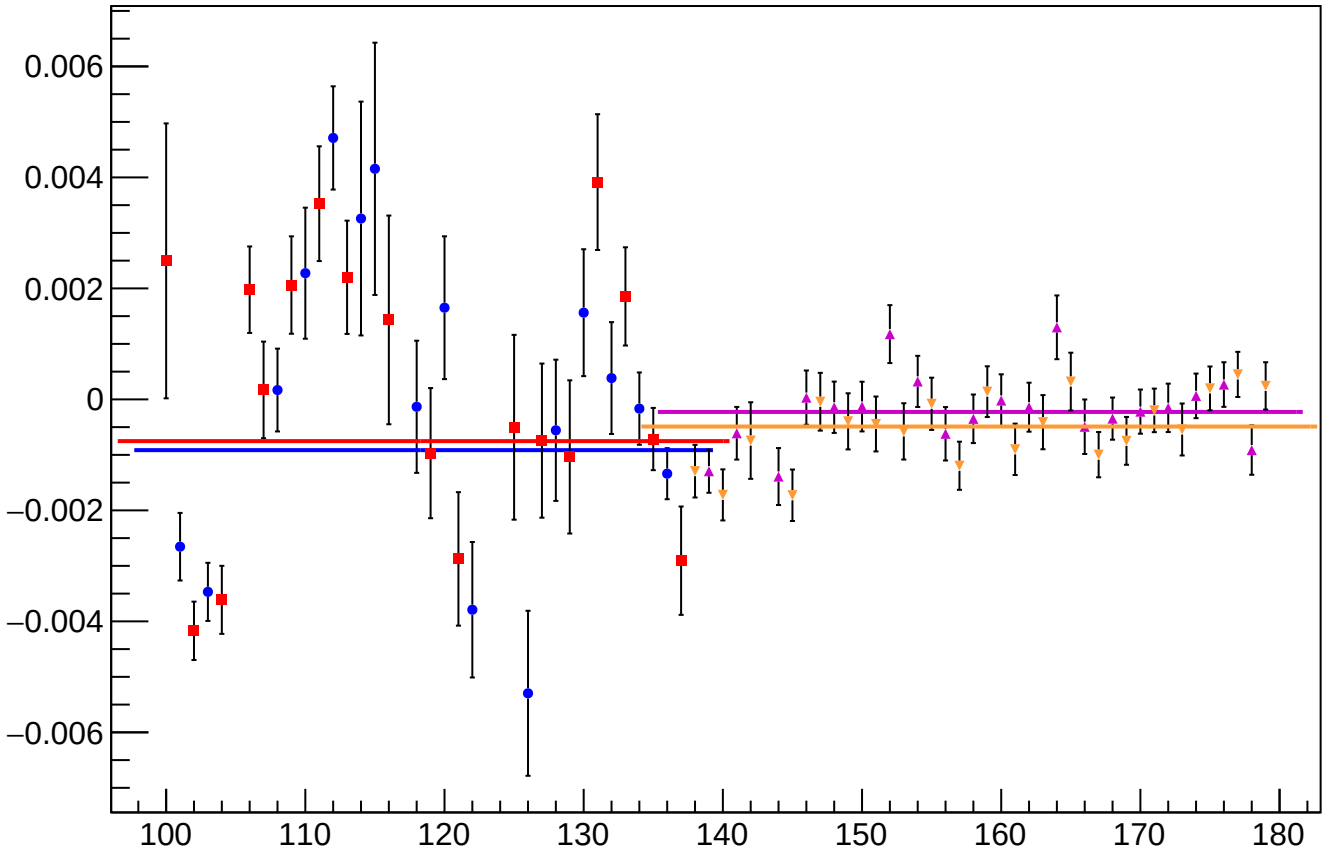
Left: 0.016+/-0.002 χ^2/NDF: 104.9/40

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.017+/-0.002 χ^2/NDF:89.6/35

Out: 0.013+/-0.002 χ^2/NDF:85.5/38

All: 0.015+/-0.001 χ^2/NDF: 177.1/74



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.4/20

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:35.2/19

Left: -0.000+/-0.000 χ^2/NDF: 79.1/40

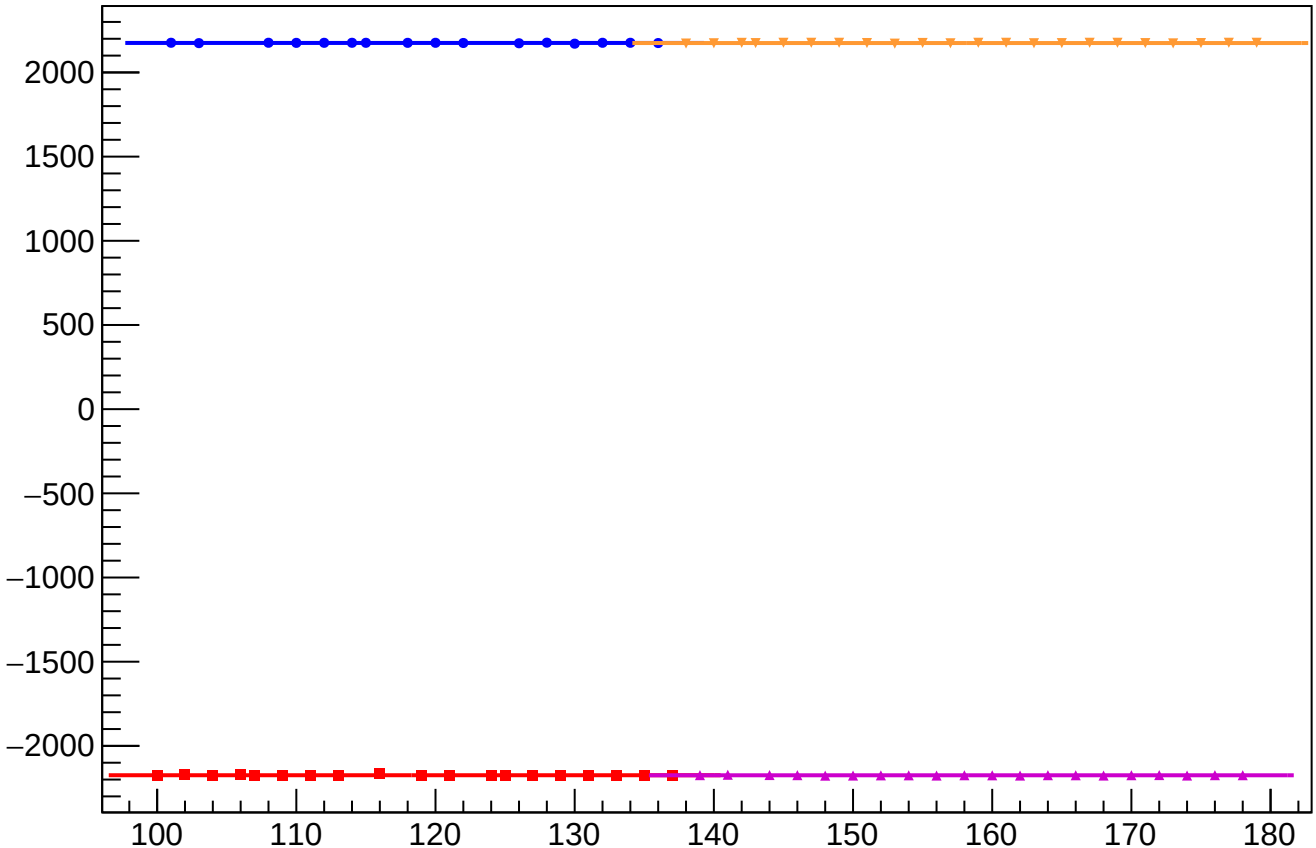
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:157.9/35

Out: -0.001+/-0.000 χ^2/NDF:189.2/38

All: -0.000+/-0.000 χ^2/NDF: 349.2/74

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136 2816.0/15

Left Out: 2174.637+/-0.000 χ^2/NDF:4700440159128584286728744266104832.0/21

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.619+/-0.000 χ^2/NDF:307976128780229674644802497832 5504.0/19

Left: 75.337+/-0.000 χ^2/NDF: 16635584210493136

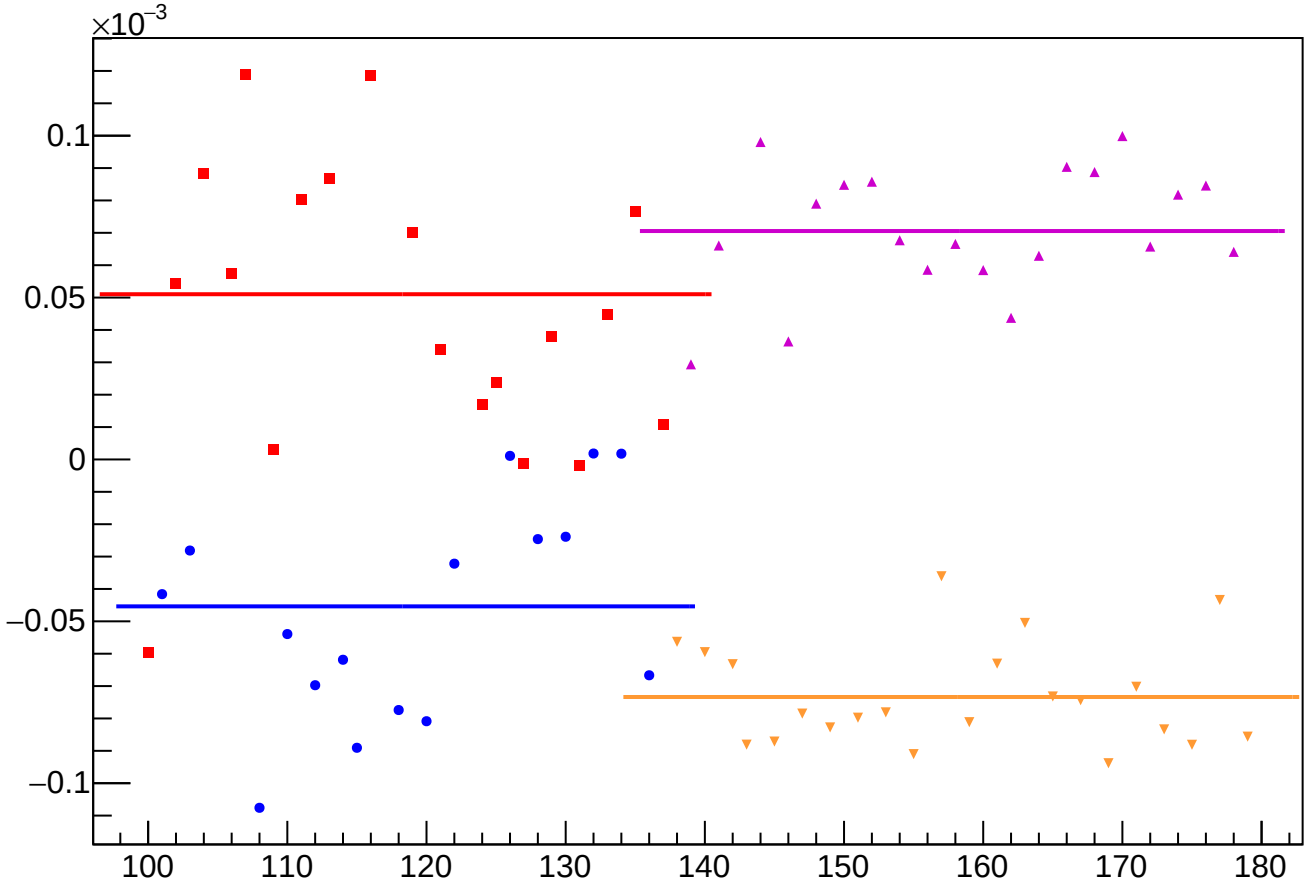
Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

In: -854.170+/-0.000 χ^2/NDF:9764323421070845

Out: 890.978+/-0.000 χ^2/NDF:1017147055264779

All: 43.404+/-0.000 χ^2/NDF: 2375937641353

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 713132081378122377723904.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:450293625900760685346816.0/21

Right Out: 0.000+/-0.000 χ^2/NDF: 10119559107206471011532800.0/18

Left In: 0.000+/-0.000 χ^2/NDF:61555549837994578726092 8.0/19

Left: -0.000+/-0.000 χ^2/NDF: 19283064807508945

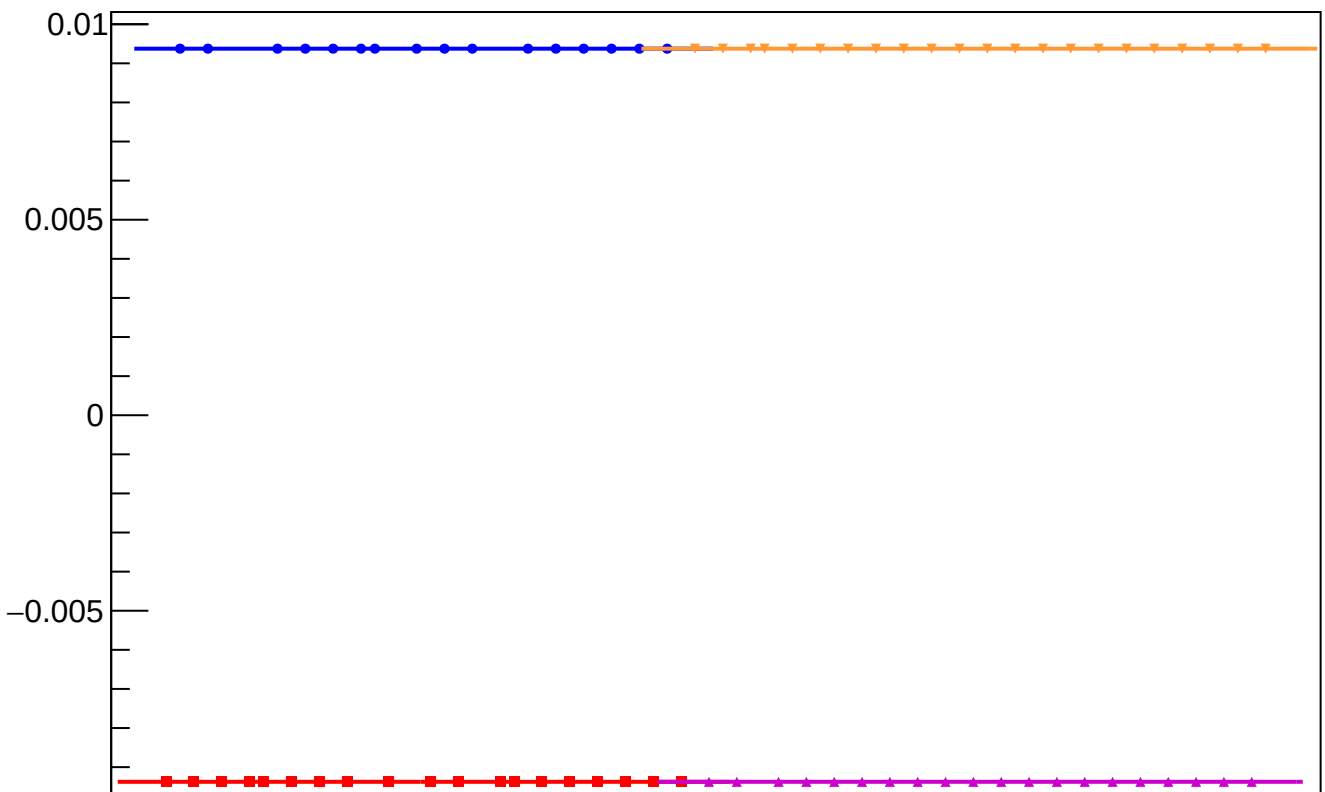
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: 0.000+/-0.000 χ^2/NDF:826429858997978478 2

Out: -0.000+/-0.000 χ^2/NDF:97858091411911558

All: -0.000+/-0.000 χ^2/NDF: 2456071874119

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 309179354770015824

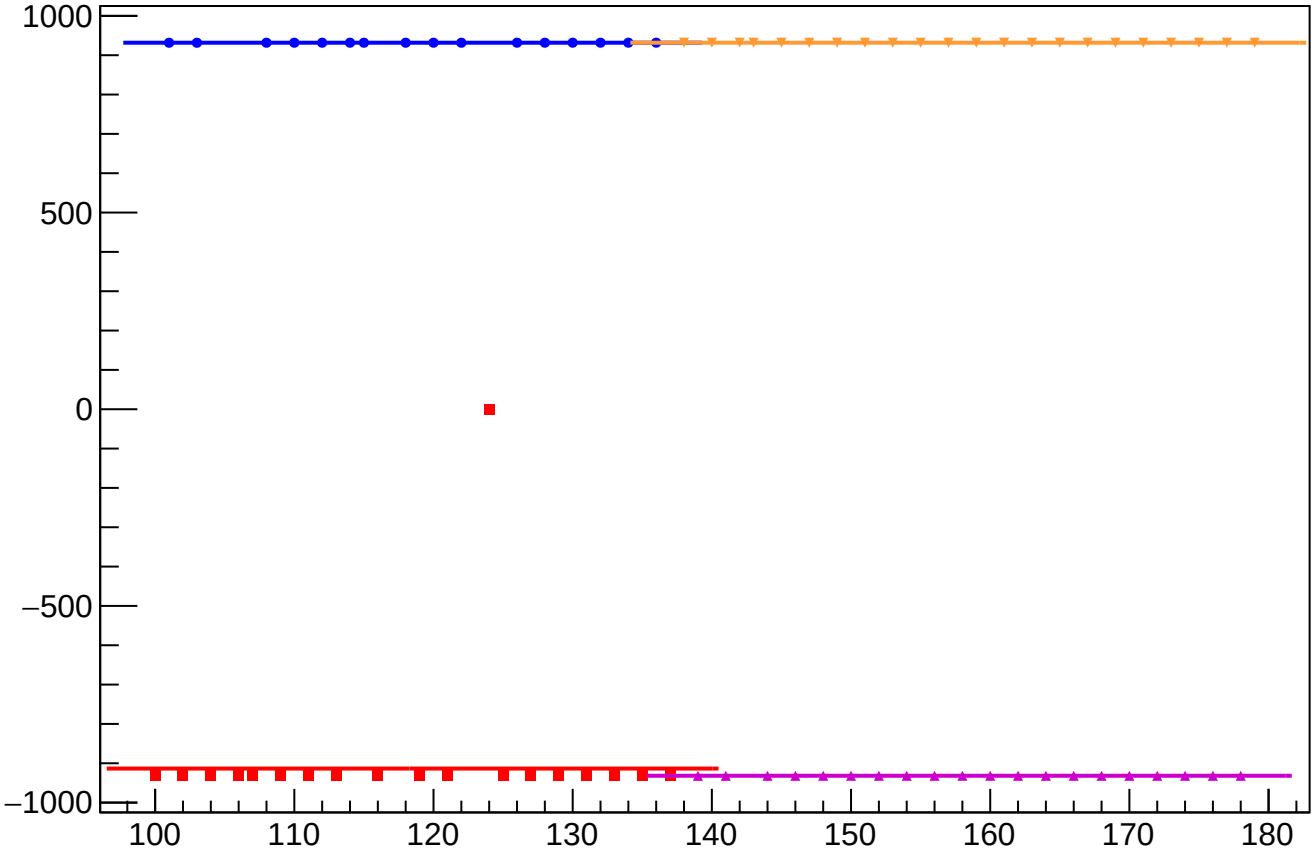
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4415634093396

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.784+/-0.000 χ^2/NDF:42010629084902195255015846707 20.0/21

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.778+/-0.000 χ^2/NDF:38131267903567061563154314035 20.0/19

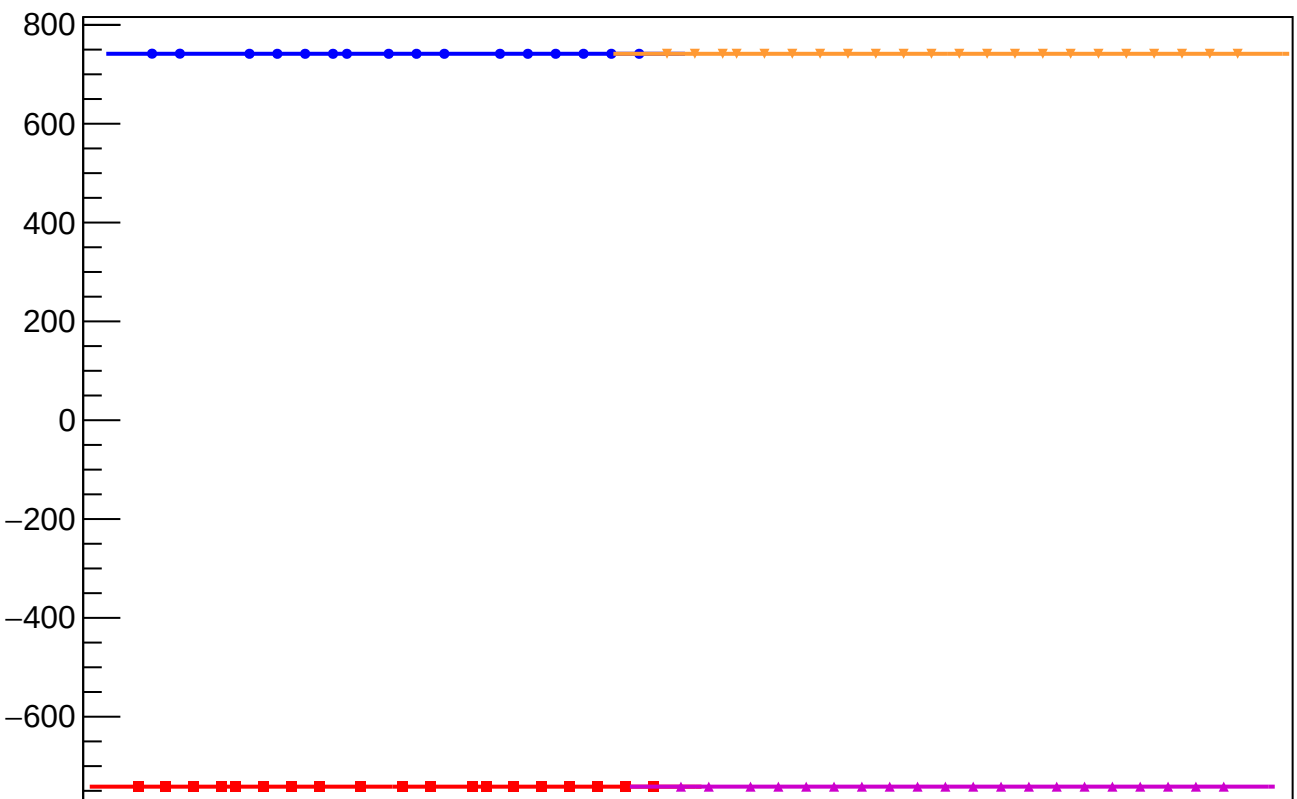
Left: 32.280+/-0.000 χ^2/NDF: 30541879224535185

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -366.072+/-0.000 χ^2/NDF:1792173242564236

Out: 387.138+/-0.000 χ^2/NDF:184387427252683

All: 21.323+/-0.000 χ^2/NDF: 434830595261



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.512+/-0.000 χ^2/NDF:2346961827359627959311290859 52.0/21

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.512+/-0.000 χ^2/NDF:212102474236135944602104365056.0/19

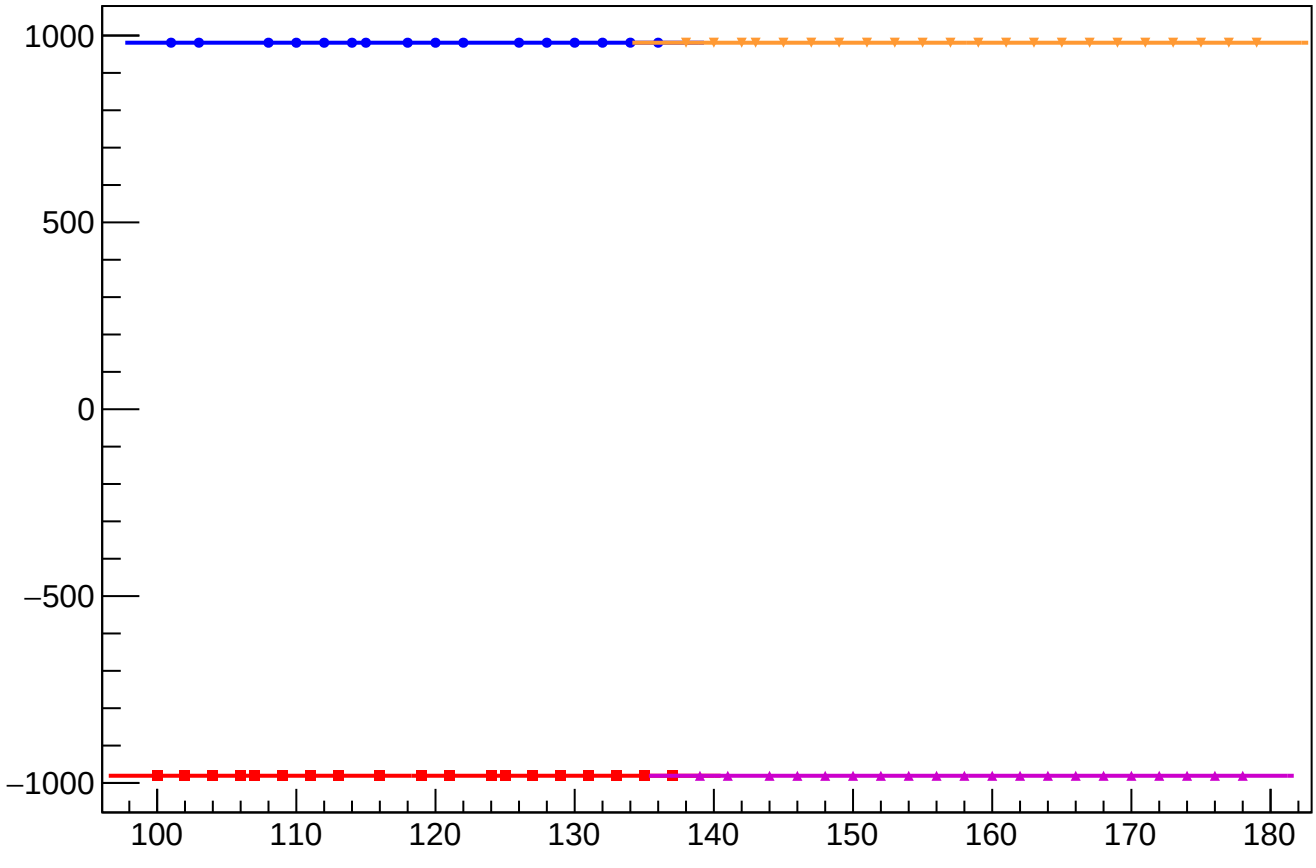
Left: 25.686+/-0.000 χ^2/NDF: 19342132647010799

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

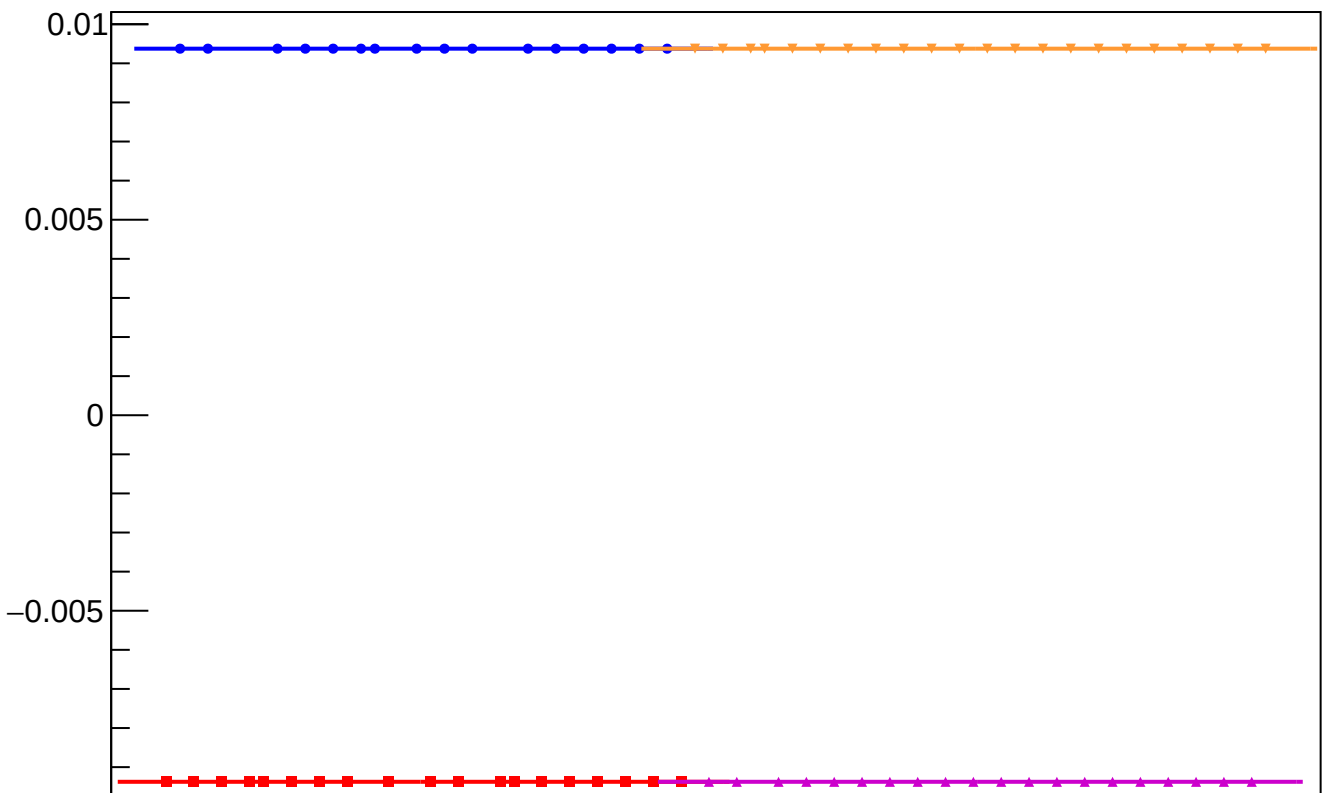
In: -291.302+/-0.000 χ^2/NDF:1135086214366711

Out: 303.757+/-0.000 χ^2/NDF:1182896832522207

All: 14.752+/-0.000 χ^2/NDF: 276253834697


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Left: 33.971+/-0.000 χ²/NDF: 3383782926002532
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
Left Out: 980.768+/-0.000 χ²/NDF:767779411704077765928755920896.0/21
In: -385.308+/-0.000 χ²/NDF:1985683033540309
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Out: 401.805+/-0.000 χ²/NDF:2069119804256075
Left In: -980.773+/-0.000 χ²/NDF:1495896004164161595700431290368.0/19
All: 19.524+/-0.000 χ²/NDF: 4832625359641

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/19

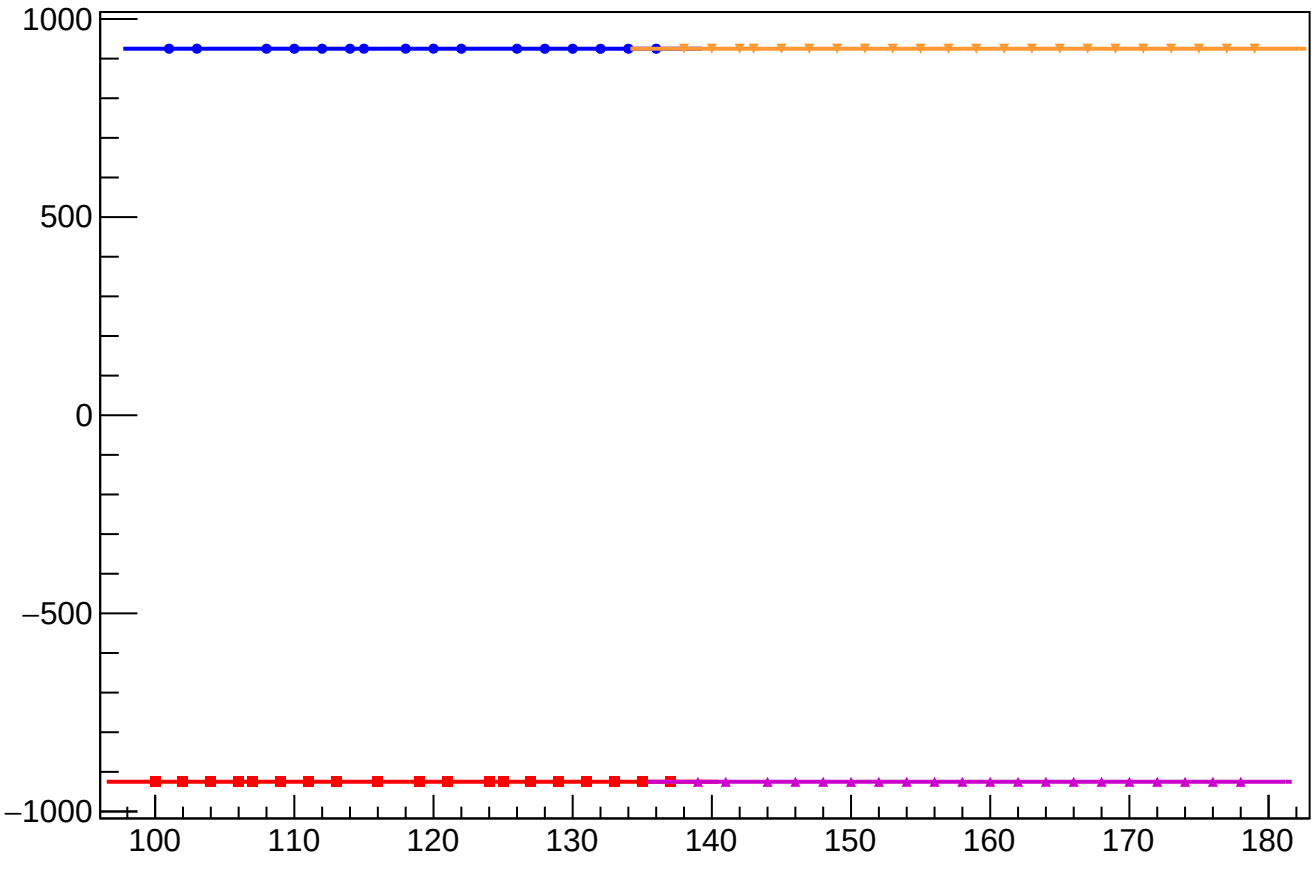
Left: 0.000+/-0.000 χ^2/NDF: 309179354770015824

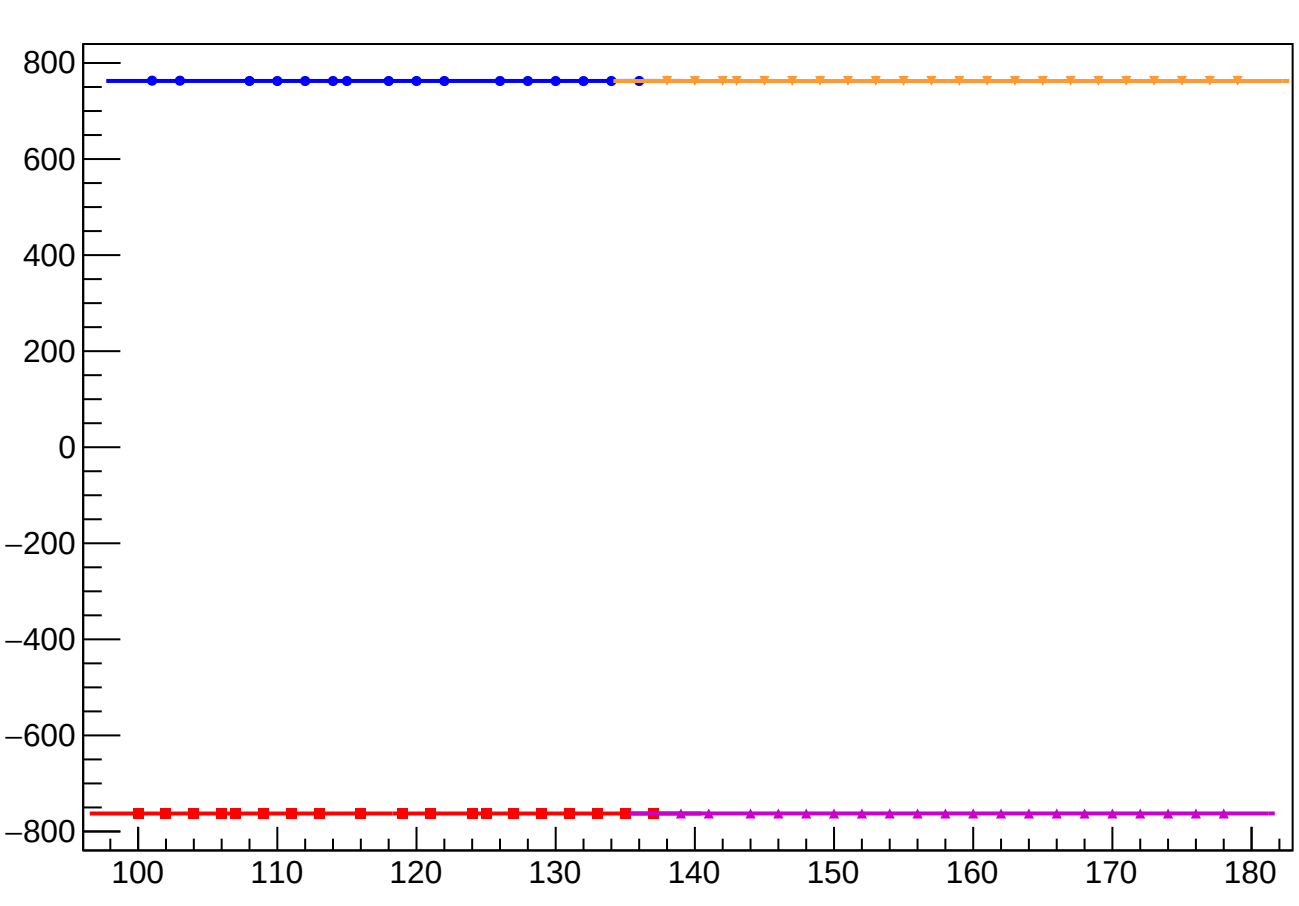
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

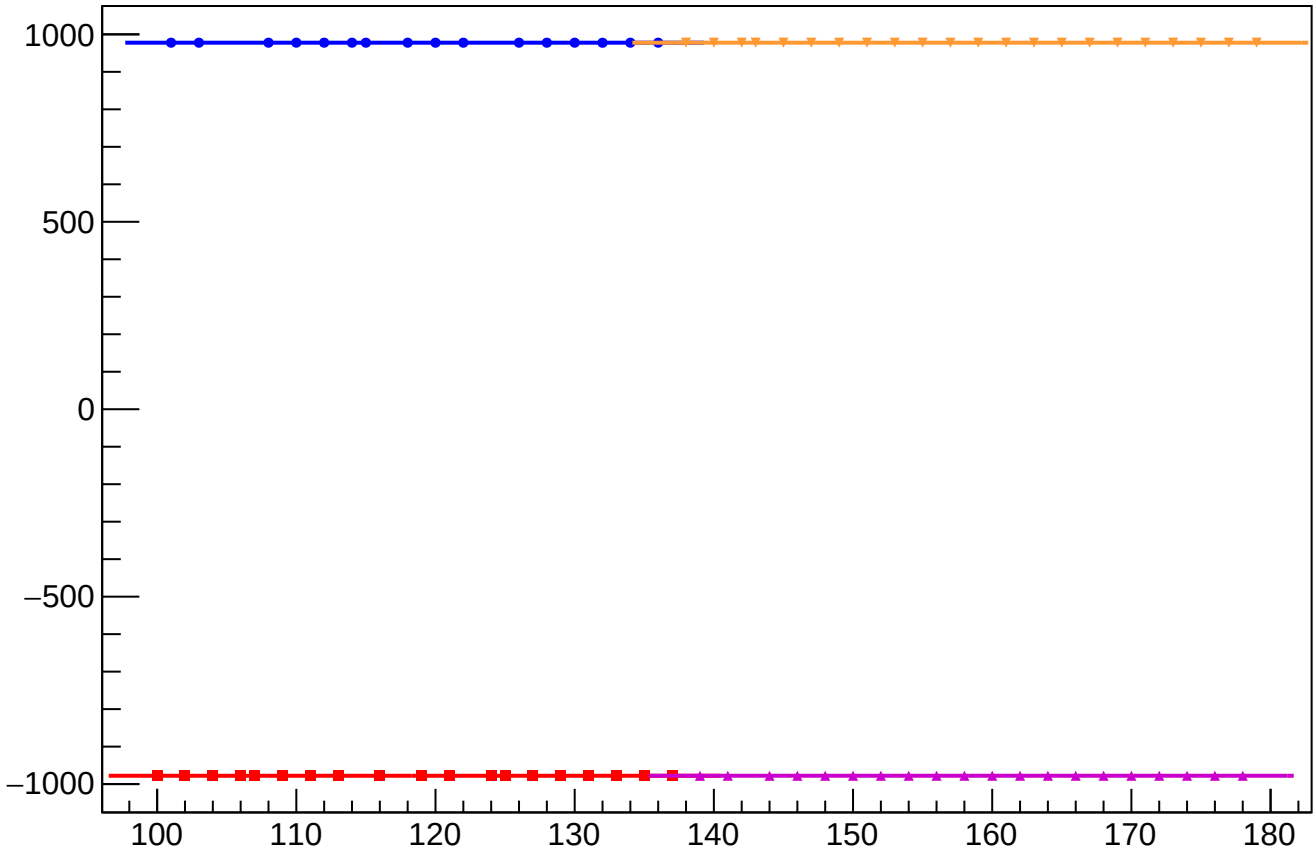
Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 44156340933396


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Right In: 924.966+/-0.000 χ²/NDF: 254437050808765880053303712153 6.0/15
Left Out: 924.983+/-0.000 χ²/NDF:9846944732323447763769281740 80.0/21
Right Out: -924.974+/-0.000 χ²/NDF: 124198152111689090023635183 2064.0/18
Left In: -924.985+/-0.000 χ²/NDF:75890803868489128769506561 2288.0/19
Left: 32.040+/-0.000 χ²/NDF: 3009789054275595
Right: -13.534+/-0.000 χ²/NDF: 128650155911450
In: -363.406+/-0.000 χ²/NDF:1766118106354250
Out: 378.941+/-0.000 χ²/NDF:1840498607716347
All: 18.402+/-0.000 χ²/NDF: 4298479625004


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.516+/-0.000 χ²/NDF:704035912613939782189452361728.0/21
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.517+/-0.000 χ²/NDF:60191739332264135732300139724 8.0/19
Left: 26.413+/-0.000 χ²/NDF: 2045344509438648
Right: -11.159+/-0.000 χ²/NDF: 874510274639263
In: -299.543+/-0.000 χ²/NDF:1200360164837467
Out: 312.351+/-0.000 χ²/NDF:1250917479173344
All: 15.170+/-0.000 χ²/NDF: 2921342576902

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.737+/-0.000 χ^2/NDF:1176312126129721155035582169088.0/21

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.735+/-0.000 χ^2/NDF:109051084901800706042956768704.0/19

Left: 33.870+/-0.000 χ^2/NDF: 33628778369334833

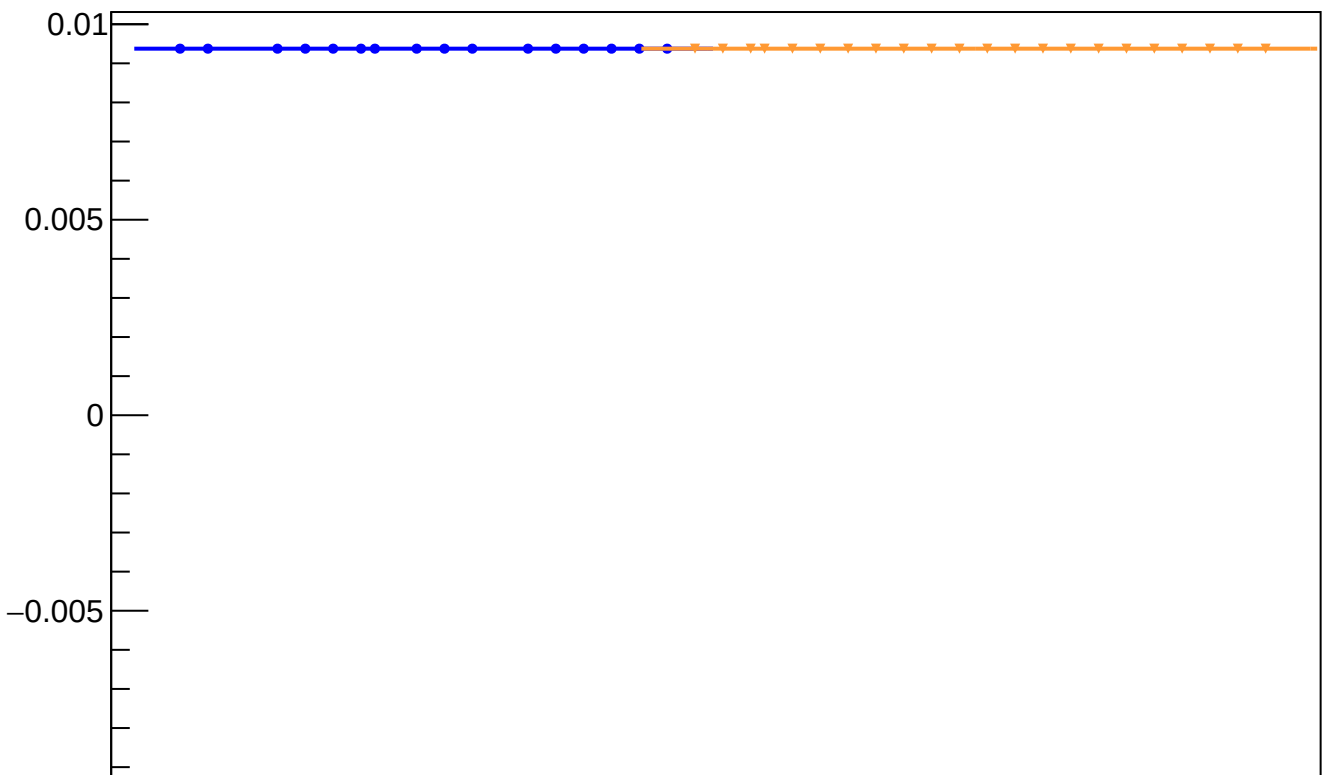
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -384.120+/-0.000 χ^2/NDF:1973366702393007

Out: 400.548+/-0.000 χ^2/NDF:2056464190183850

All: 19.455+/-0.000 χ^2/NDF: 4802827194709

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/19

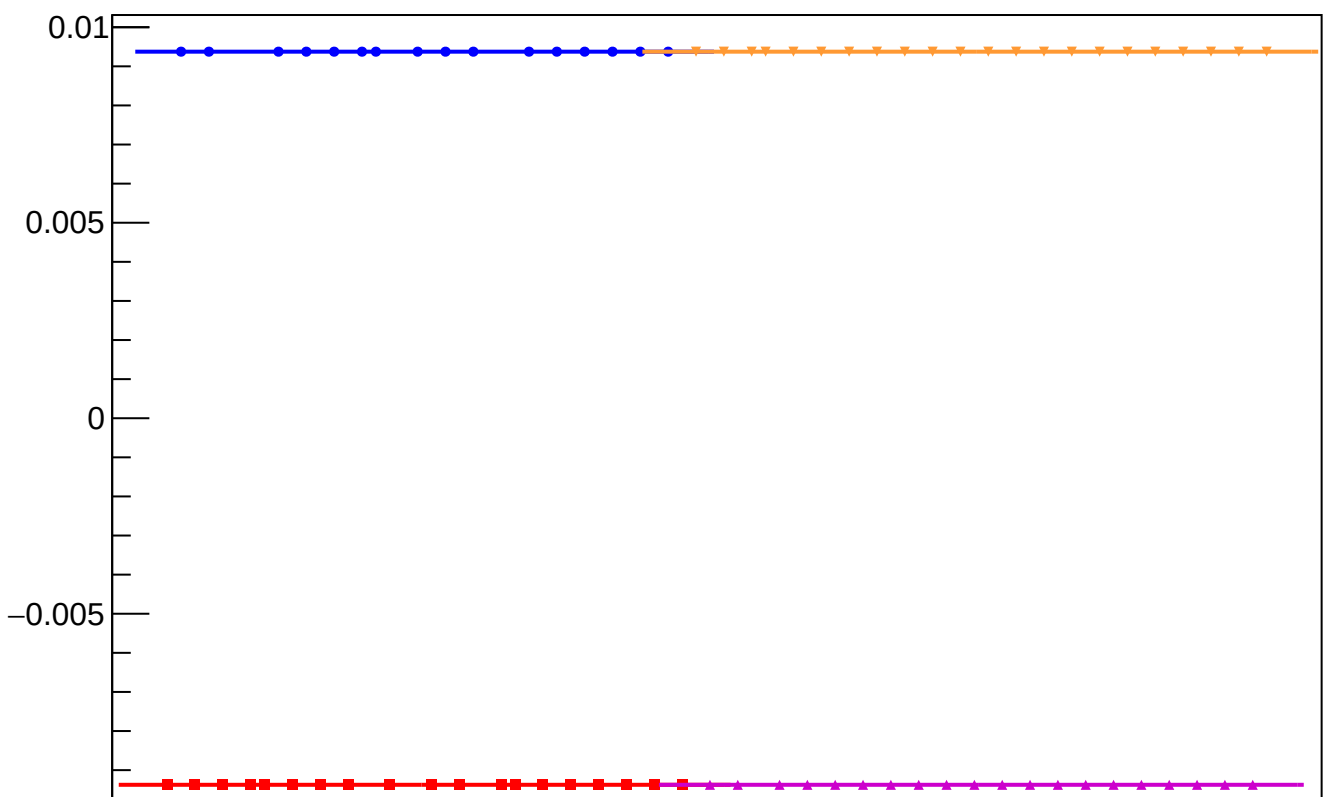
Left: 0.000+/-0.000 χ^2/NDF: 309179354770015824

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4415634093396



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 309179354770015824

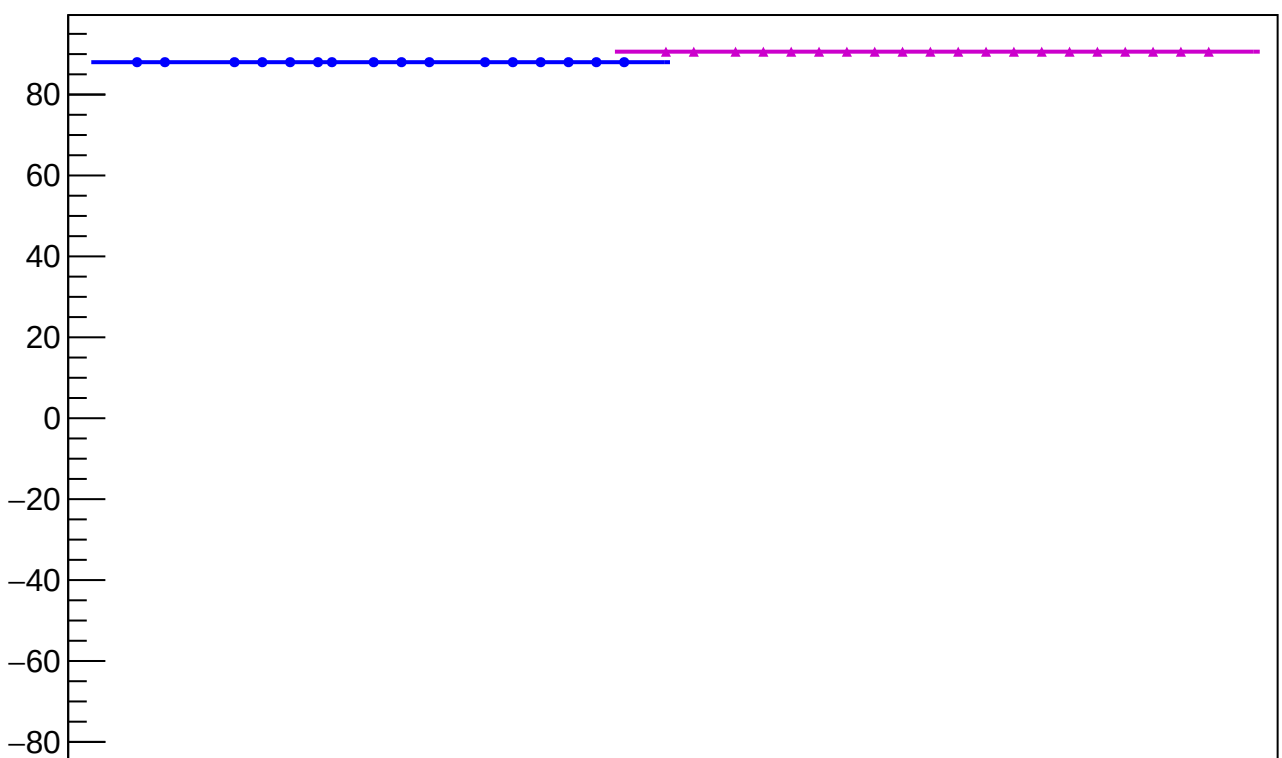
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4415634093396

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4434382.8/21

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:5802583.1/19

Left: -3.138+/-0.000 χ^2/NDF: 28874707140729693

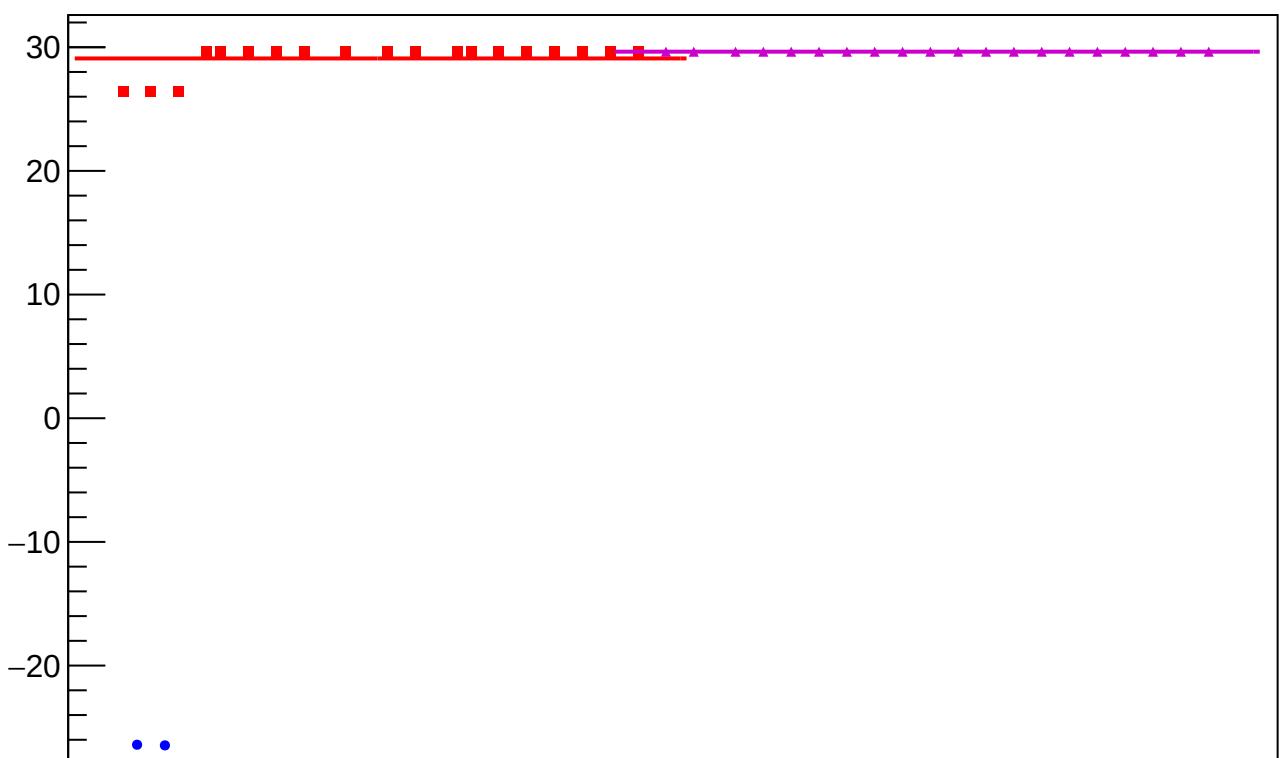
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.810+/-0.000 χ^2/NDF:348478612652792295

Out: -89.833+/-0.000 χ^2/NDF:3624046400218691

All: -2.585+/-0.000 χ^2/NDF: 4052334086159

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 10943678852516098773550364119531520.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:258796.9/21

Right Out: 29.093+/-0.000 χ^2/NDF: 1125238156749692849797805899776000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:91015.6/19

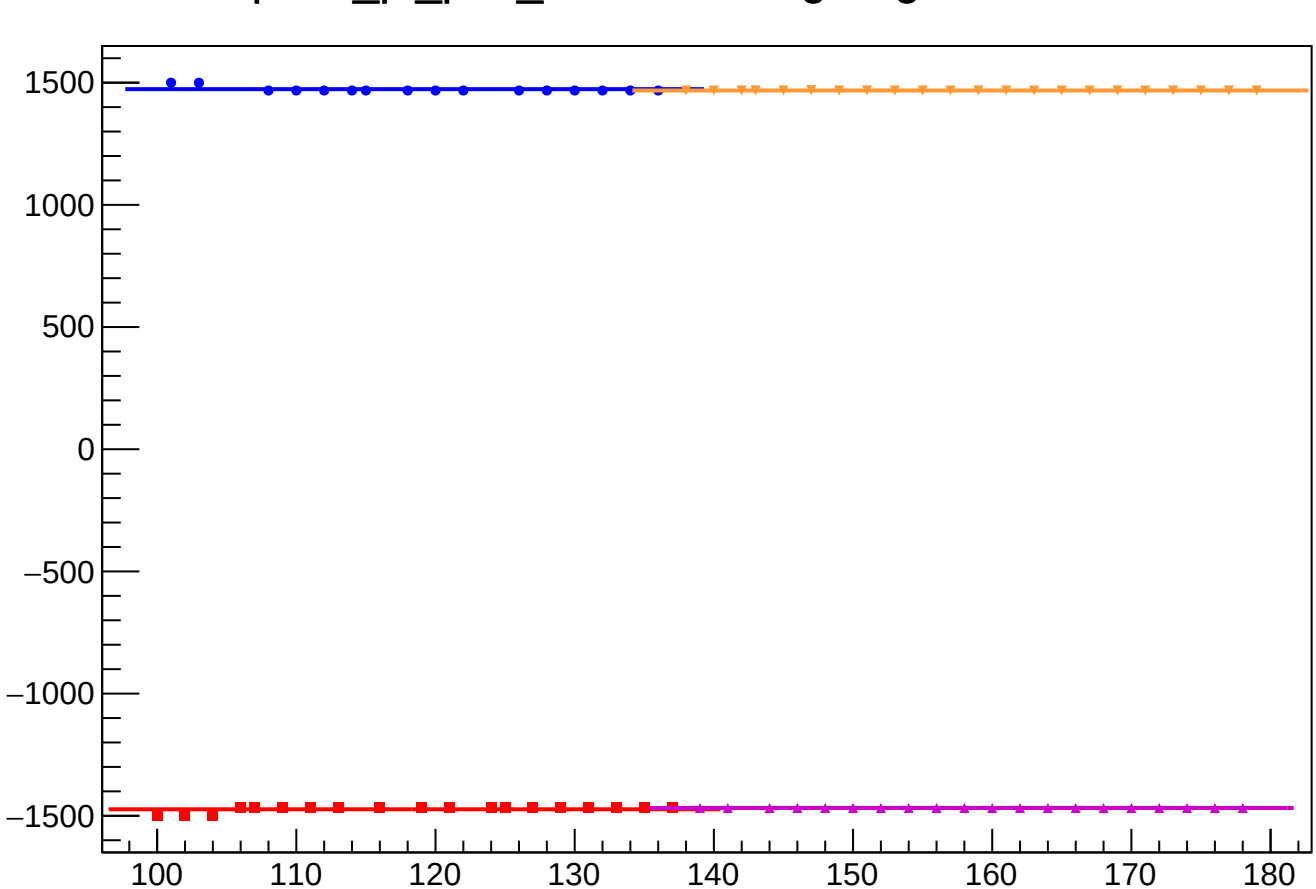
Left: -1.027+/-0.000 χ^2/NDF: 30906152050823933

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835

In: 11.814+/-0.000 χ^2/NDF:178085546329225149

Out: -12.305+/-0.000 χ^2/NDF:1856304662384451

All: -0.591+/-0.000 χ^2/NDF: 4367450242905



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.056+/-0.000 χ^2/NDF:13898793069881711089761008589209 6.0/21

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.993+/-0.000 χ^2/NDF:14796799996359818980443239219 2.0/19

Left: 50.883+/-0.000 χ^2/NDF: 75811403662067149

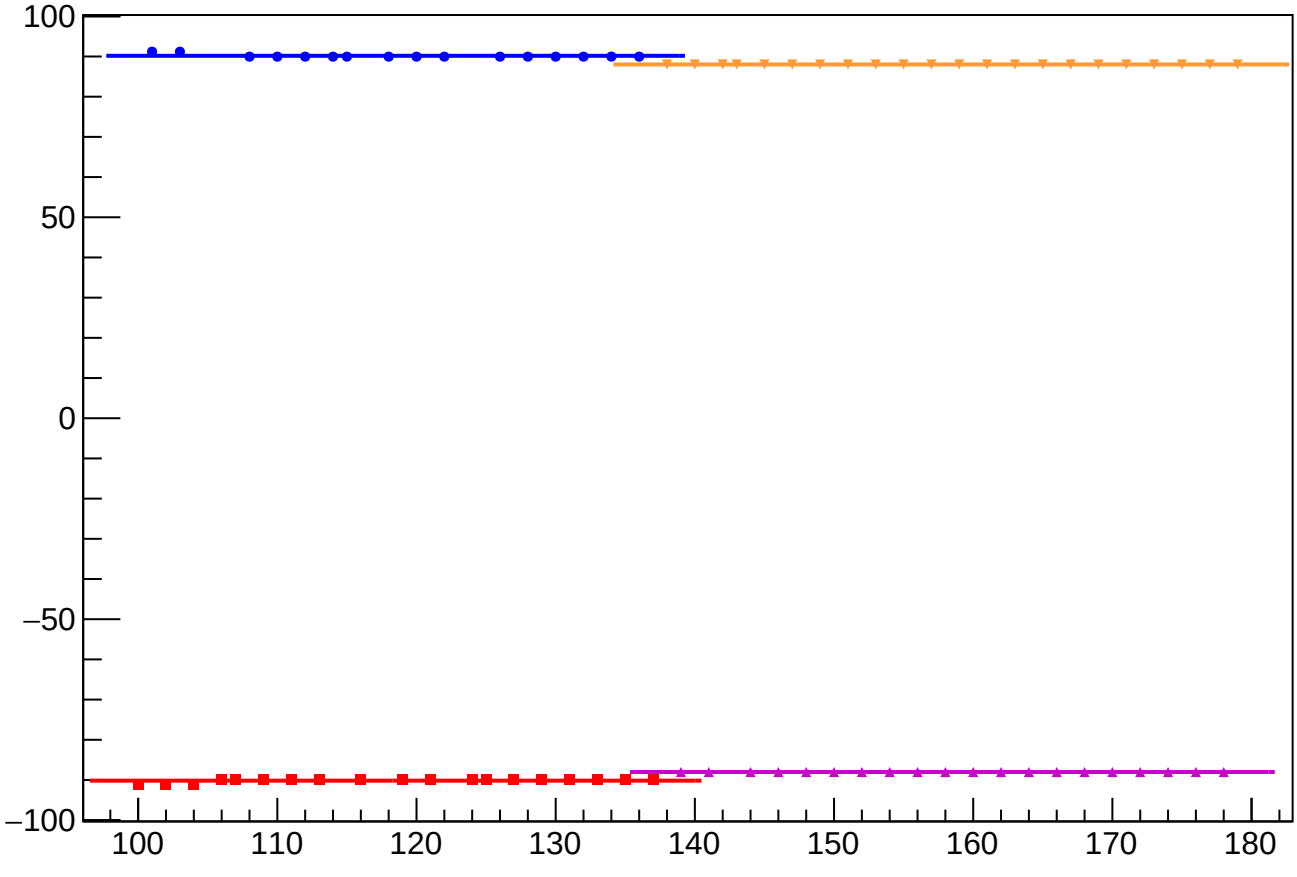
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: -575.071+/-0.000 χ^2/NDF:4465146804054697

Out: 599.845+/-0.000 χ^2/NDF:4653131653859829

All: 29.218+/-0.000 χ^2/NDF: 1085136204963

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3901239.0/21

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:5155136.6/19

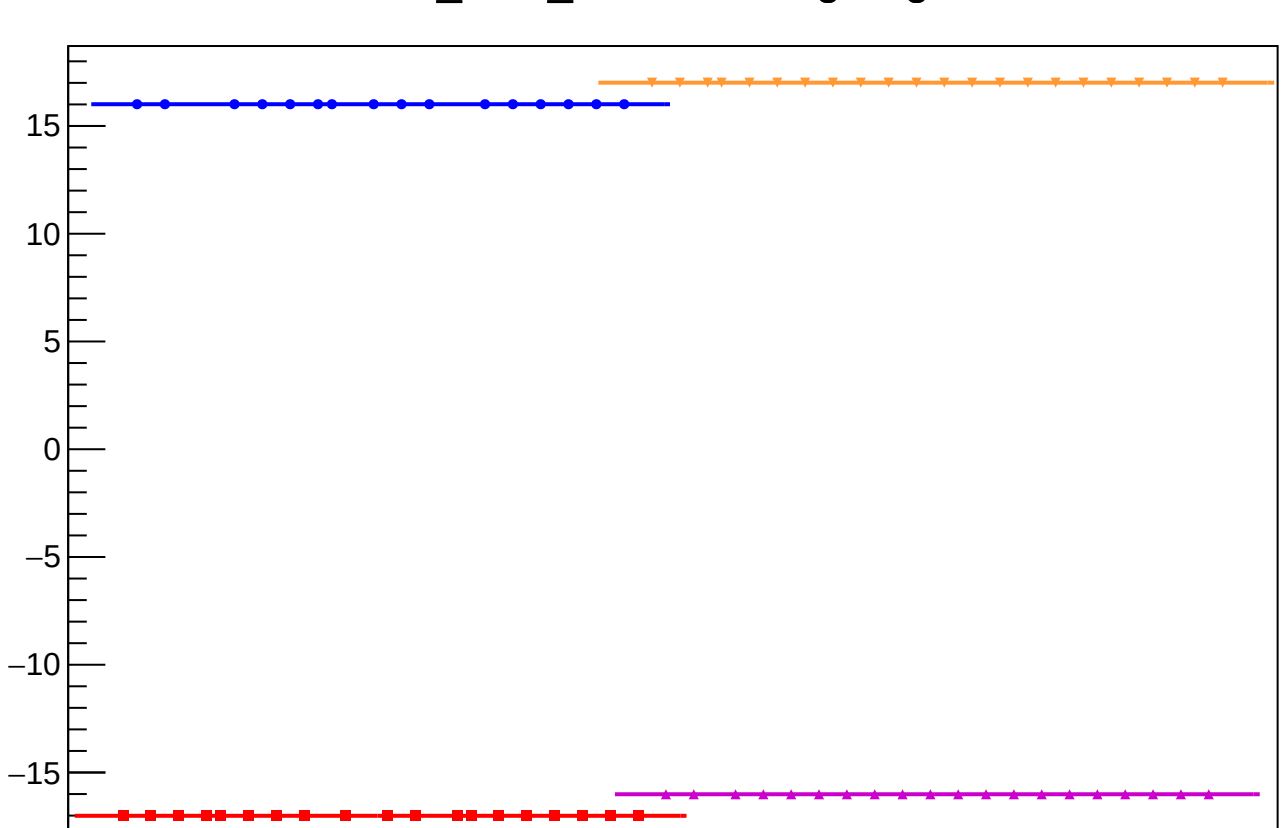
Left: 3.049+/-0.000 χ^2/NDF: 272544611912045792

Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

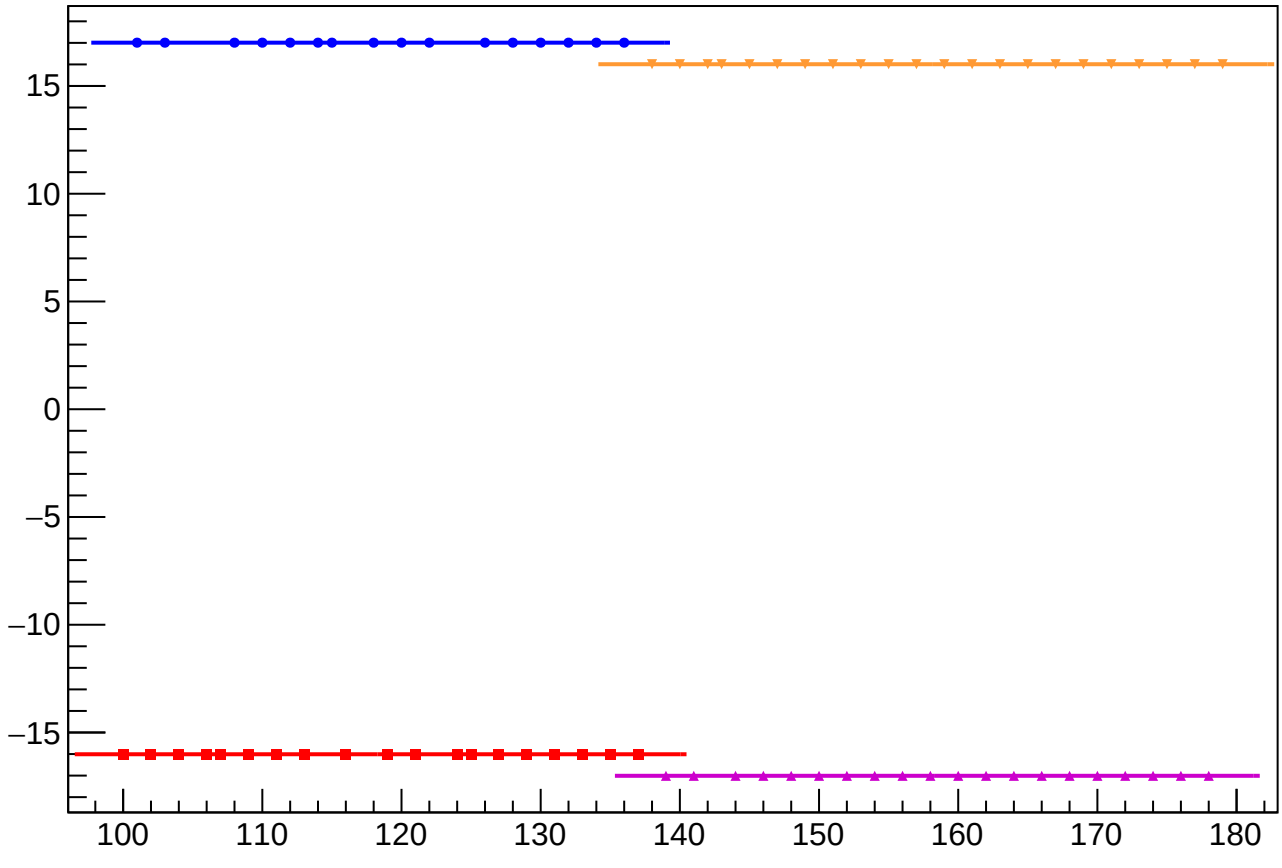
In: -33.928+/-0.000 χ^2/NDF:16386534367644396

Out: 35.425+/-0.000 χ^2/NDF:17075816758673853

All: 1.742+/-0.000 χ^2/NDF: 3950095660722


IGL1I00DI24_24M_mean vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
Right In: 16.009+/-0.000 χ²/NDF: 44239.3/15
Left Out: 17.009+/-0.000 χ²/NDF:25332901641332953775603712.0/21
Right Out: -17.009+/-0.000 χ²/NDF: 13878987313036743260766208.0/18
Left In: -16.009+/-0.000 χ²/NDF:12406643078675909364940 8.0/19
Left: 0.935+/-0.000 χ²/NDF: 889555246306964697
Right: -0.393+/-0.000 χ²/NDF: 38020254772992161
In: -6.203+/-0.000 χ²/NDF:499261774836411925
Out: 7.058+/-0.000 χ²/NDF:567379247176553765
All: 0.537+/-0.000 χ²/NDF: 1271481946154

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:119490.3/21

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1103851463925877880913920.0/19

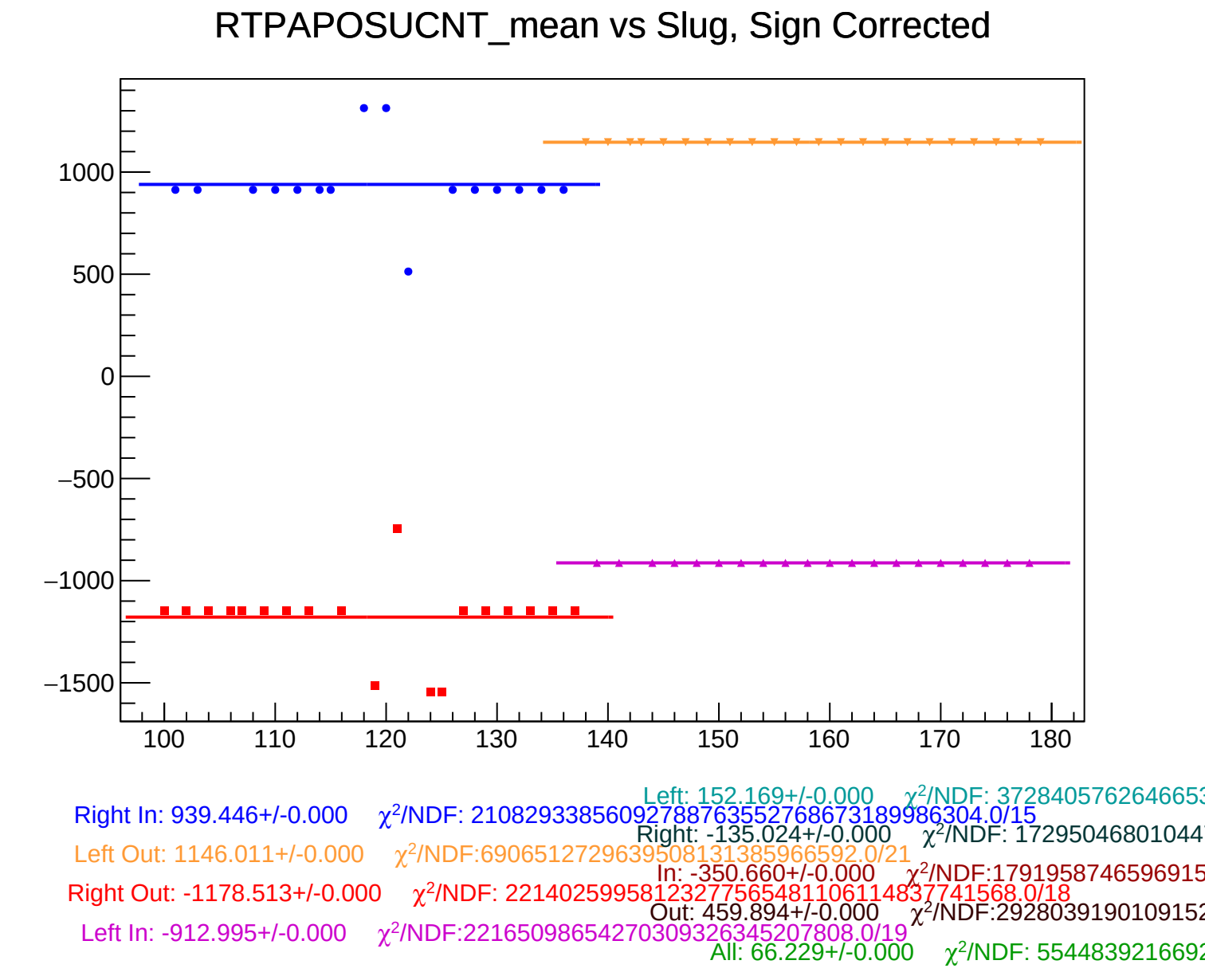
Left: 0.135+/-0.000 χ^2/NDF: 941389231582397968

Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

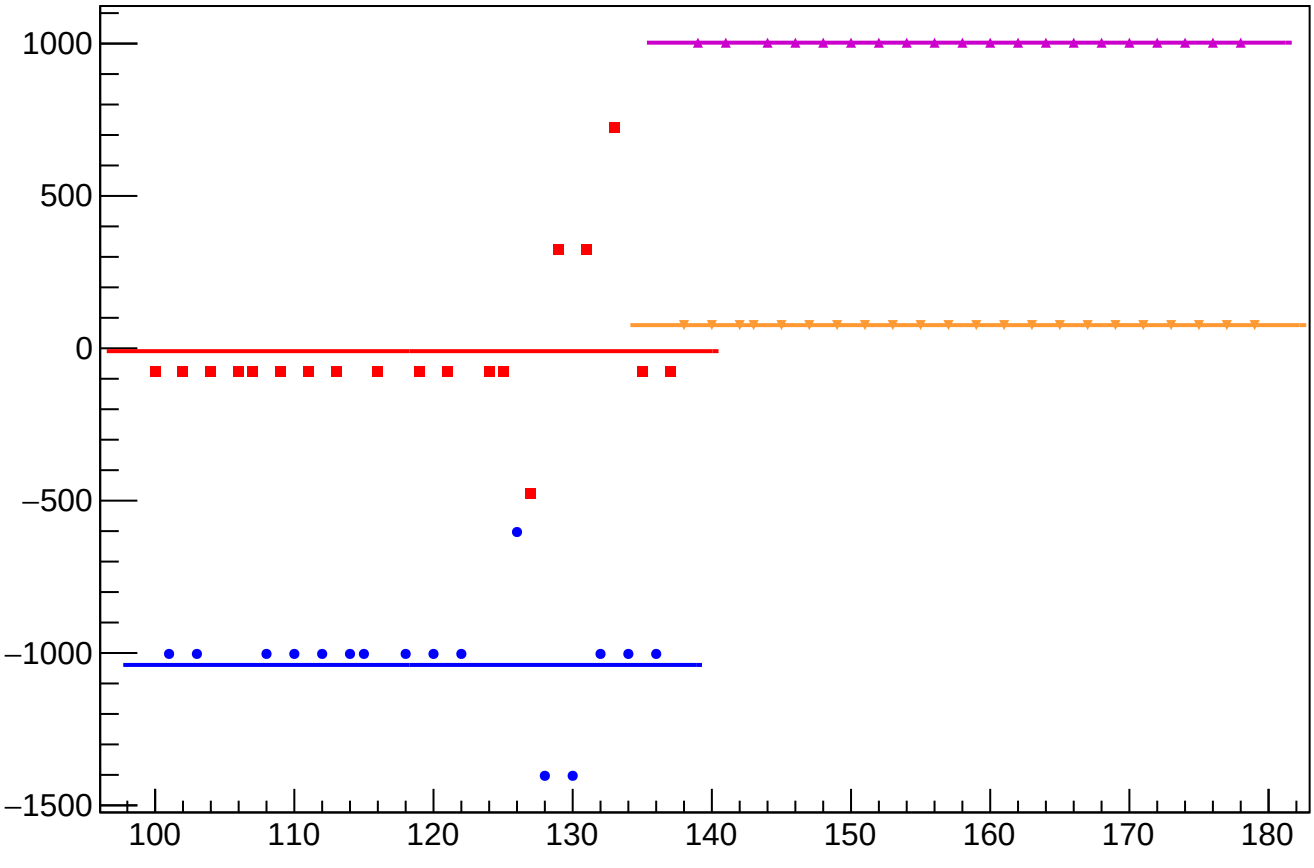
In: -6.861+/-0.000 χ^2/NDF:574116425654581339

Out: 6.498+/-0.000 χ^2/NDF:546973077118334702

All: 0.069+/-0.000 χ^2/NDF: 13405086865743


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
Left: 152.169+/-0.000 χ²/NDF: 3728405762646653
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
Left Out: 1146.011+/-0.000 χ²/NDF:690651272963950813131385966592.0/21
In: -350.660+/-0.000 χ²/NDF:1791958746596915
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Out: 459.894+/-0.000 χ²/NDF:2928039190109152
Left In: -912.995+/-0.000 χ²/NDF:22165098654270309326345207808.0/19
All: 66.229+/-0.000 χ²/NDF: 5544839216692

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 523.445+/-0.000 χ^2/NDF: 7556962643224411

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:10148658138728192048730472448.0/21

In: 383.067+/-0.000 χ^2/NDF:21750230073816920

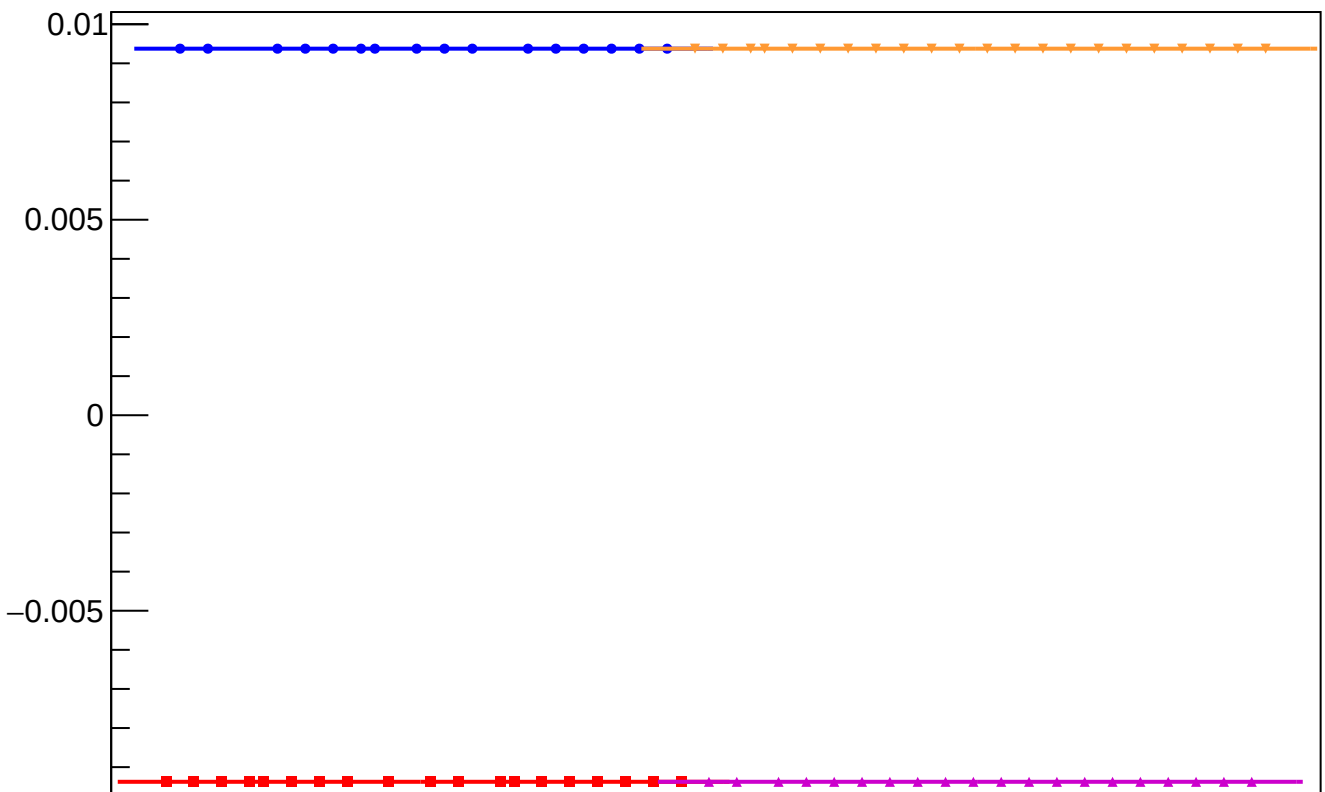
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 50.792+/-0.000 χ^2/NDF:49983349059378972

Left In: 1002.990+/-0.000 χ^2/NDF:26455973975624681130158981120.0/19

All: 212.170+/-0.000 χ^2/NDF: 23636187333

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 309179354770015824

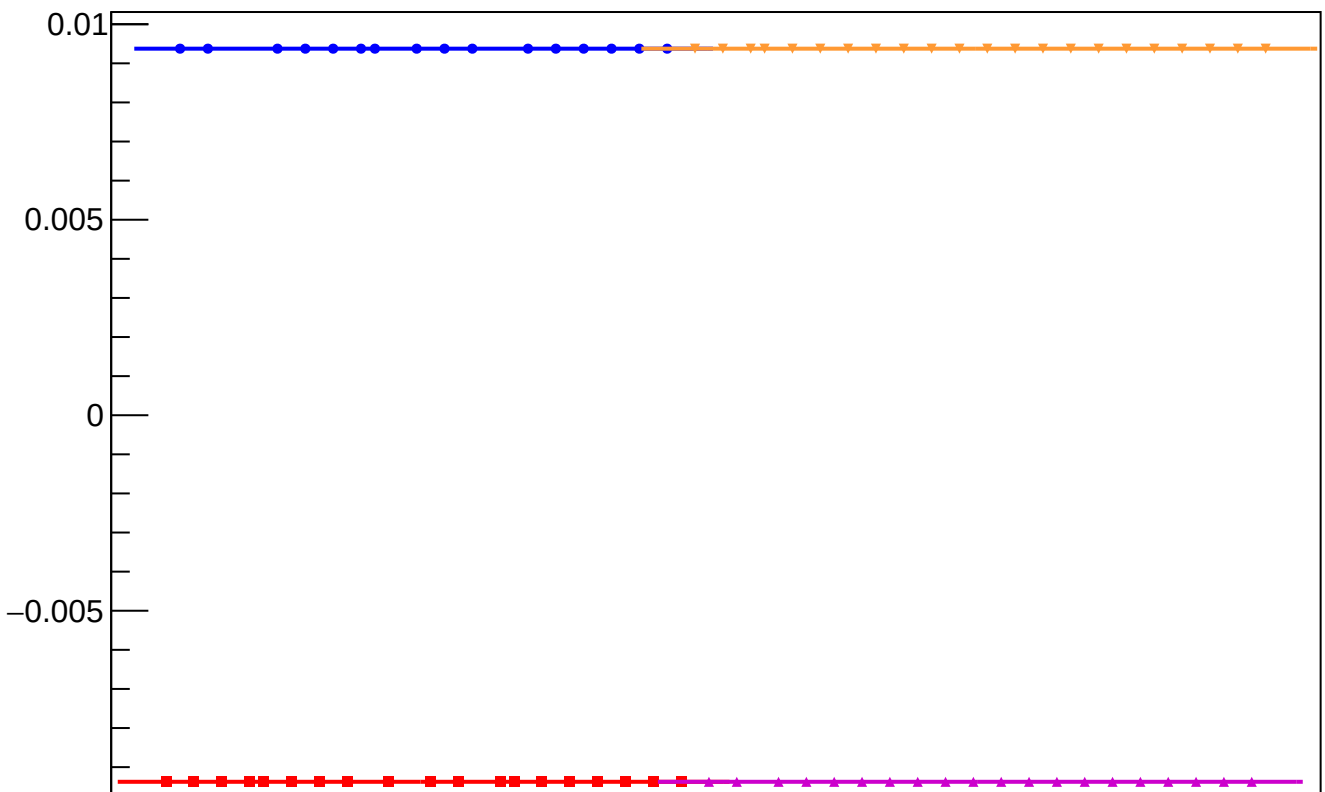
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 4415634093396

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/21

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 309179354770015824

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:189066640473887381

All: 0.000+/-0.000 χ^2/NDF: 44156340933396